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**Proyecto de Cimentación y Estructura Nuevo Edificio  
Judicial de Móstoles, Calle Nueva York, 44 – 28936.  
Móstoles Madrid.**

**ANEJO DE CÁLCULO 7**  
**CÁLCULO DE PILARES**

PROYECTO: P-0848					
ED.	FECHA	DESCRIPCIÓN	REALIZ.	REVIS.	APRO.
00	2023-06-01	Anejo 7 Cálculo de Pilares	M.M.P.	J.I.V.	J.I.V.

## ÍNDICE DE DOCUMENTOS

1. **COMPROBACIÓN DE ELU DE PILARES**
  2. **ESFUERZOS EN PILARES**
  3. **DESPLAZAMIENTO DE PILARES**
  4. **DISTORSIONES DE PILARES**
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REV: 00

## 1. COMPROBACIÓN DE ELU DE PILARES

## ÍNDICE

1. PILARES.....	5
1.1. P1.....	5
1.2. P2.....	6
1.3. P3.....	7
1.4. P4.....	9
1.5. P5.....	10
1.6. P6.....	11
1.7. P7.....	12
1.8. P8.....	14
1.9. P9.....	15
1.10. P10.....	16
1.11. P11.....	17
1.12. P12.....	20
1.13. P13.....	21
1.14. P14.....	22
1.15. P15.....	23
1.16. P16.....	24
1.17. P17.....	24
1.18. P18.....	26
1.19. P18a.....	27
1.20. P19.....	27
1.21. P20.....	29
1.22. P20a.....	30
1.23. P21.....	30
1.24. P22.....	33
1.25. P23.....	34
1.26. P23a.....	35
1.27. P24.....	36
1.28. P24a.....	37
1.29. P25.....	37
1.30. P26.....	39
1.31. P26a.....	40
1.32. P27.....	40
1.33. P28.....	42
1.34. P28a.....	43
1.35. P29.....	43
1.36. P30.....	45
1.37. P31.....	46
1.38. P32.....	48
1.39. P33.....	49
1.40. P34.....	50
1.41. P35.....	52
1.42. P36.....	54
1.43. P37.....	55

1.44. P38.....	57
1.45. P39.....	59
1.46. P40.....	60
1.47. P41.....	62
1.48. P42.....	64
1.49. P43.....	65
1.50. P44.....	67
1.51. P45.....	69
1.52. P46.....	71
1.53. P47.....	72
1.54. P48.....	73
1.55. P49.....	75
1.56. P50.....	76
1.57. P51.....	78
1.58. P52.....	79
1.59. P53.....	81
1.60. P54.....	82
1.61. P55.....	82
1.62. P56.....	84
1.63. P57.....	85
1.64. P58.....	86
1.65. P59.....	88
1.66. P60.....	91
1.67. P61.....	92
1.68. P62.....	93
1.69. P63.....	94
1.70. P64.....	95
1.71. P65.....	96
1.72. P66.....	97
1.73. P67.....	98
1.74. P68.....	99
1.75. P69.....	100
1.76. P70.....	101
1.77. P71.....	102
1.78. P72.....	102
1.79. P73.....	103
1.80. P74.....	103
1.81. P75.....	104
1.82. P76.....	104
1.83. P77.....	105
1.84. P78.....	105
1.85. P79.....	106
1.86. P80.....	106
1.87. P81.....	107
1.88. P82.....	108
1.89. P83.....	108
1.90. P84.....	109

1.91. P85.....	109
1.92. P86.....	110
1.93. P87.....	110
1.94. P87a.....	111
1.95. P88.....	111
1.96. P88a.....	111
1.97. P89.....	112
1.98. P89a.....	112
1.99. P90.....	112
1.100. P90a.....	113
1.101. P91.....	113
1.102. P91a.....	113
1.103. P92.....	114
1.104. P92a.....	114
1.105. P93.....	114
1.106. P93a.....	115
1.107. P94.....	115
1.108. P94a.....	115
1.109. P95.....	116
1.110. P95a.....	116
1.111. P96.....	116
1.112. P96a.....	117
1.113. P97.....	117
1.114. P98.....	117
1.115. P99.....	117
1.116. P100.....	118
1.117. P101.....	118
1.118. P102.....	118
1.119. P103.....	118
1.120. P104.....	119
1.121. P105.....	119
1.122. P106.....	119
1.123. P107.....	119
1.124. P108.....	120
1.125. P109.....	120
1.126. P110.....	120
1.127. P111.....	120
1.128. P112.....	121
1.129. P113.....	121
1.130. P114.....	121
1.131. P115.....	121
1.132. P116.....	122
1.133. P117.....	122
1.134. P118.....	122
1.135. P119.....	122
1.136. P121.....	123
1.137. P122.....	124

1.138. P123.....	124
1.139. P124.....	125
1.140. P125.....	125
1.141. P126.....	125
1.142. P127.....	126
1.143. P128.....	126
1.144. P129.....	126
1.145. P130.....	127
1.146. P131.....	127
1.147. P132.....	127
1.148. P133.....	128
1.149. P134.....	128
1.150. P135.....	128
1.151. P136.....	129
1.152. P137.....	129
1.153. P138.....	129
1.154. P139.....	129



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1. PILARES

### 1.1. P1

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	46.7	50.7	50.7	G, H, Q, V <sup>(2)</sup>	Q	560.7	-71.7	55.3	-35.5	48.1
								G, H, Q, V <sup>(3)</sup>	N,M	613.1	-69.5	64.7	-40.8	45.4
		31.35 m	Cumple	Cumple	46.0	77.6	77.6	G, H, Q, V <sup>(2)</sup>	Q	577.9	84.6	-60.2	-35.5	48.1
								G, H, Q, V <sup>(3)</sup>	N,M	630.3	97.7	-87.6	-40.8	45.4
		29.2 m	Cumple	Cumple	46.0	77.6	77.6	G, H, Q, V <sup>(2)</sup>	Q	577.9	84.6	-60.2	-35.5	48.1
								G, H, Q, V <sup>(3)</sup>	N,M	630.3	97.7	-87.6	-40.8	45.4
		Pie	Cumple	Cumple	46.0	77.6	77.6	G, H, Q, V <sup>(2)</sup>	Q	577.9	84.6	-60.2	-35.5	48.1
								G, H, Q, V <sup>(3)</sup>	N,M	630.3	97.7	-87.6	-40.8	45.4
P. séptima +28.70 (25 - 28.6 m)	Diámetro 50	Cabeza	Cumple	Cumple	51.2	66.7	66.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1056.2	-138.5	97.7	-44.2	69.0
		27.75 m	Cumple	Cumple	51.2	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1077.4	142.0	-102.1	-44.2	69.0
		25.6 m	Cumple	Cumple	51.2	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1077.4	142.0	-102.1	-44.2	69.0
		Pie	Cumple	Cumple	51.2	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1077.4	142.0	-102.1	-44.2	69.0
P. sexta +25.10 (21.4 - 25 m)	Diámetro 50	Cabeza	Cumple	Cumple	49.9	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q	1554.4	-148.2	119.4	-46.9	64.6
								G, H, Q, V <sup>(3)</sup>	N,M	1633.7	-140.0	127.6	-50.6	58.5
		24.15 m	Cumple	Cumple	49.9	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q	1554.4	-148.2	119.4	-46.9	64.6
								G, H, Q, V <sup>(3)</sup>	N,M	1633.7	-140.0	127.6	-50.6	58.5
		22 m	Cumple	Cumple	49.9	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q	1554.4	-148.2	119.4	-46.9	64.6
								G, H, Q, V <sup>(3)</sup>	N,M	1633.7	-140.0	127.6	-50.6	58.5
		Pie	Cumple	Cumple	49.9	71.1	71.1	G, H, Q, V <sup>(2)</sup>	Q	1575.6	144.4	-115.5	-46.9	64.6
								G, H, Q, V <sup>(3)</sup>	N,M	1654.8	136.9	-123.4	-50.6	58.5
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.5	60.9	60.9	G, H, Q, V <sup>(2)</sup>	Q	2054.8	-177.5	137.4	-38.5	62.6
								G, H, Q, V <sup>(3)</sup>	N,M	2145.8	-164.4	146.0	-41.8	53.0
		20.55 m	Cumple	Cumple	31.5	60.9	60.9	G, H, Q, V <sup>(2)</sup>	Q	2054.8	-177.5	137.4	-38.5	62.6
								G, H, Q, V <sup>(3)</sup>	N,M	2145.8	-164.4	146.0	-41.8	53.0
		18.4 m	Cumple	Cumple	31.5	60.9	60.9	G, H, Q, V <sup>(2)</sup>	Q	2054.8	-177.5	137.4	-38.5	62.6
								G, H, Q, V <sup>(3)</sup>	N,M	2145.8	-164.4	146.0	-41.8	53.0
		Pie	Cumple	Cumple	31.5	51.5	51.5	G, H, Q, V <sup>(2)</sup>	Q	2081.7	136.7	-98.5	-38.5	62.6
								G, H, Q, V <sup>(3)</sup>	N,M	2172.7	123.7	-105.8	-41.8	53.0
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	Cabeza	Cumple	Cumple	22.6	50.0	50.0	G, H, Q, V <sup>(2)</sup>	Q	2573.1	-120.3	87.5	-24.5	47.2
								G, H, Q, V <sup>(3)</sup>	N,M	2628.9	-114.7	108.3	-35.8	20.0
		16.95 m	Cumple	Cumple	22.6	53.7	53.7	G, H, Q, V <sup>(2)</sup>	Q	2603.5	155.3	-114.3	-24.5	47.2
								G, H, Q, V <sup>(3)</sup>	N,M	2705.7	141.7	-120.8	-26.9	37.6
		14.8 m	Cumple	Cumple	22.6	53.7	53.7	G, H, Q, V <sup>(2)</sup>	Q	2603.5	155.3	-114.3	-24.5	47.2
								G, H, Q, V <sup>(3)</sup>	N,M	2705.7	141.7	-120.8	-26.9	37.6
		Pie	Cumple	Cumple	22.6	53.7	53.7	G, H, Q, V <sup>(2)</sup>	Q	2603.5	155.3	-114.3	-24.5	47.2
								G, H, Q, V <sup>(3)</sup>	N,M	2705.7	141.7	-120.8	-26.9	37.6
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	45.3	67.7	67.7	G, H, Q, V <sup>(2)</sup>	Q	3089.9	-205.3	162.4	-58.7	88.9
								G, H, Q, V <sup>(3)</sup>	N,M	3202.0	-192.8	169.8	-63.2	77.8
		13.35 m	Cumple	Cumple	45.3	69.1	69.1	G, H, Q, V <sup>(2)</sup>	Q	3120.3	220.7	-165.5	-58.7	88.9
								G, H, Q, V <sup>(3)</sup>	N,M	3232.5	199.5	-175.2	-63.2	77.8
		11.2 m	Cumple	Cumple	45.3	69.1	69.1	G, H, Q, V <sup>(2)</sup>	Q	3120.3	220.7	-165.5	-58.7	88.9
								G, H, Q, V <sup>(3)</sup>	N,M	3232.5	199.5	-175.2	-63.2	77.8
		Pie	Cumple	Cumple	45.3	69.1	69.1	G, H, Q, V <sup>(2)</sup>	Q	3120.3	220.7	-165.5	-58.7	88.9
								G, H, Q, V <sup>(3)</sup>	N,M	3232.5	199.5	-175.2	-63.2	77.8
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	18.0	77.4	77.4	G, H, Q, V <sup>(5)</sup>	Q	3482.0	-156.9	240.5	-41.3	9.3
								G, H, Q, V <sup>(6)</sup>	N,M	3724.0	-186.7	218.0	-31.2	21.7
		9.75 m	Cumple	Cumple	18.0	78.4	78.4	G, H, Q, V <sup>(5)</sup>	Q	3528.8	160.3	-236.7	-41.3	9.3
								G, H, Q, V <sup>(6)</sup>	N,M	3770.8	197.6	-213.9	-31.2	21.7
		5.85 m	Cumple	Cumple	18.0	78.4	78.4	G, H, Q, V <sup>(5)</sup>	Q	3528.8	160.3	-236.7	-41.3	9.3
								G, H, Q, V <sup>(6)</sup>	N,M	3770.8	197.6	-213.9	-31.2	21.7
		Pie	Cumple	Cumple	18.0	78.4	78.4	G, H, Q, V <sup>(5)</sup>	Q	3528.8	160.3	-236.7	-41.3	9.3
								G, H, Q, V <sup>(6)</sup>	N,M	3770.8	197.6	-213.9	-31.2	21.7





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	13.1	71.8	71.8	G, H, Q, V <sup>(2)</sup>	Q	4377.0	-261.9	244.9	-21.7	35.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4519.6	-266.5	252.1	-22.5	26.2	
		4.4 m	Cumple	Cumple	13.1	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	4436.6	286.0	-213.2	-21.7	35.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4579.4	250.2	-268.4	-22.5	26.3	
		0.5 m	Cumple	Cumple	13.1	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	4436.6	286.0	-213.2	-21.7	35.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4579.4	250.2	-268.4	-22.5	26.3	
		Pie	Cumple	Cumple	13.1	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	4436.6	286.0	-213.2	-21.7	35.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4579.4	250.2	-268.4	-22.5	26.3	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.7	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	4436.6	286.0	-213.2	-21.7	35.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4579.4	250.2	-268.4	-22.5	26.3	
		Cabeza	Cumple	Cumple	59.7	37.9	59.7	G, H, Q, V <sup>(7)</sup>	Q	3023.4	62.3	-47.4	147.4	-119.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3078.2	51.1	-61.6	137.5	-111.6	
		-0.95 m	Cumple	Cumple	59.7	37.9	59.7	G, H, Q, V <sup>(7)</sup>	Q	3023.4	62.3	-47.4	147.4	-119.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3078.2	51.1	-61.6	137.5	-111.6	
		Pie	Cumple	Cumple	36.1	17.9	36.1	G, H, V <sup>(8)</sup>	Q	500.5	-24.2	6.5	3.6	-66.4	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1475.5	29.5	13.7	58.5	43.0	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	17.9	17.9	G, H, Q, V <sup>(9)</sup>	Q	916.9	-25.3	9.4	13.7	-69.1	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1475.5	29.5	13.7	58.5	43.0	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(8)</sup> PP+CM+1.35·H1+1.5·V(-Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)															

## 1.2. P2

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	33.0	49.6	49.6	G, H, Q, V <sup>(2)</sup>	Q	605.7	-64.3	-8.5	5.1	43.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	825.0	-95.1	-36.7	6.4	46.1	
		31.35 m	Cumple	Cumple	32.9	56.8	56.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	761.1	110.2	33.1	5.9	48.6	Cumple
		29.2 m	Cumple	Cumple	32.9	56.8	56.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	761.1	110.2	33.1	5.9	48.6	Cumple
		Pie	Cumple	Cumple	32.9	56.8	56.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	761.1	110.2	33.1	5.9	48.6	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	44.2	61.0	61.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1368.6	-168.6	-48.6	6.1	79.8	Cumple
		27.75 m	Cumple	Cumple	44.2	61.8	61.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1390.4	170.1	50.6	6.1	79.8	Cumple
		25.6 m	Cumple	Cumple	44.2	61.8	61.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1390.4	170.1	50.6	6.1	79.8	Cumple
		Pie	Cumple	Cumple	44.2	61.8	61.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1390.4	170.1	50.6	6.1	79.8	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	34.2	68.1	68.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1999.8	-166.4	-64.1	5.0	61.7	Cumple
		24.15 m	Cumple	Cumple	34.2	68.1	68.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1999.8	-166.4	-64.1	5.0	61.7	Cumple
		22 m	Cumple	Cumple	34.2	68.1	68.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1999.8	-166.4	-64.1	5.0	61.7	Cumple
		Pie	Cumple	Cumple	34.2	64.5	64.5	G, H, Q, V <sup>(4)</sup>	Q	2021.6	146.7	64.6	5.0	61.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2144.3	136.0	66.5	5.2	54.1	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	32.5	61.6	61.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	2637.7	-181.8	-75.3	5.0	75.6	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	2664.6	198.3	75.4	5.0	75.6	
		20.55 m	Cumple	Cumple	32.5	64.1	64.1	G, H, Q, V <sup>(3)</sup>	N,M	2806.8	183.3	77.3	5.2	64.6	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	2664.6	198.3	75.4	5.0	75.6	
		18.4 m	Cumple	Cumple	32.5	64.1	64.1	G, H, Q, V <sup>(3)</sup>	N,M	2806.8	183.3	77.3	5.2	64.6	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	2664.6	198.3	75.4	5.0	75.6	
		Pie	Cumple	Cumple	32.5	64.1	64.1	G, H, Q, V <sup>(4)</sup>	Q	2664.6	198.3	75.4	5.0	75.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	23.6	71.5	71.5	G, H, Q, V <sup>(4)</sup>	Q	3272.9	-183.2	-75.1	1.5	55.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3433.4	-168.7	-77.1	1.9	44.7	
		16.95 m	Cumple	Cumple	23.6	72.9	72.9	G, H, Q, V <sup>(4)</sup>	Q	3299.8	143.2	77.0	1.5	55.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3460.3	126.0	144.0	1.9	44.7	
		14.8 m	Cumple	Cumple	23.6	72.9	72.9	G, H, Q, V <sup>(4)</sup>	Q	3299.8	143.2	77.0	1.5	55.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3460.3	126.0	144.0	1.9	44.7	
		Pie	Cumple	Cumple	23.6	72.9	72.9	G, H, Q, V <sup>(4)</sup>	Q	3299.8	143.2	77.0	1.5	55.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3460.3	126.0	144.0	1.9	44.7	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	28.8	71.7	71.7	G, H, Q, V <sup>(5)</sup>	Q	3920.2	-154.3	-79.3	3.6	67.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4098.1	-158.9	-81.8	4.1	53.2	
		13.35 m	Cumple	Cumple	28.8	75.3	75.3	G, H, Q, V <sup>(5)</sup>	Q	3950.6	221.1	84.2	3.6	67.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4128.4	196.6	85.4	4.1	53.3	
		11.2 m	Cumple	Cumple	28.8	75.3	75.3	G, H, Q, V <sup>(5)</sup>	Q	3950.6	221.1	84.2	3.6	67.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4128.4	196.6	85.4	4.1	53.3	
		Pie	Cumple	Cumple	28.8	75.3	75.3	G, H, Q, V <sup>(5)</sup>	Q	3950.6	221.1	84.2	3.6	67.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4128.4	196.6	85.4	4.1	53.3	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	11.1	80.0	80.0	G, H, Q, V <sup>(4)</sup>	Q	4565.9	-244.2	160.1	-2.6	29.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4768.0	-249.3	156.9	-1.0	24.7	
		9.75 m	Cumple	Cumple	11.1	83.1	83.1	G, H, Q, V <sup>(4)</sup>	Q	4612.7	222.7	-245.4	-2.6	29.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4814.8	207.6	-250.4	-1.0	24.7	
		5.85 m	Cumple	Cumple	11.1	83.1	83.1	G, H, Q, V <sup>(4)</sup>	Q	4612.7	222.7	-245.4	-2.6	29.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4814.8	207.6	-250.4	-1.0	24.7	
		Pie	Cumple	Cumple	11.1	83.1	83.1	G, H, Q, V <sup>(4)</sup>	Q	4612.7	222.7	-245.4	-2.6	29.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4814.8	207.6	-250.4	-1.0	24.7	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.5	89.8	89.8	G, H, Q, V <sup>(5)</sup>	Q	5428.2	-265.3	160.6	-2.6	29.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5654.6	-269.1	158.3	-1.6	22.9	
		4.4 m	Cumple	Cumple	10.5	94.4	94.4	G, H, Q, V <sup>(5)</sup>	Q	5475.0	261.8	-266.6	-2.6	29.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5701.4	240.5	-270.2	-1.6	23.8	
		0.5 m	Cumple	Cumple	10.5	94.4	94.4	G, H, Q, V <sup>(5)</sup>	Q	5475.0	261.8	-266.6	-2.6	29.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5701.4	240.5	-270.2	-1.6	23.8	
		Pie	Cumple	Cumple	10.5	94.4	94.4	G, H, Q, V <sup>(5)</sup>	Q	5475.0	261.8	-266.6	-2.6	29.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5701.4	240.5	-270.2	-1.6	23.8	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	48.7	54.2	54.2	G, H, Q, V <sup>(7)</sup>	Q	3403.2	-230.4	80.6	-13.7	154.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3728.7	-220.7	-89.3	15.0	139.5	
		-0.95 m	Cumple	Cumple	48.7	54.2	54.2	G, H, Q, V <sup>(7)</sup>	Q	3403.2	-230.4	80.6	-13.7	154.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3728.7	-220.7	-89.3	15.0	139.5	
		-3 m	Cumple	Cumple	32.5	23.4	32.5	G, H, Q, V <sup>(9)</sup>	Q	1872.7	8.9	-37.5	-5.1	103.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1932.4	15.0	38.6	5.2	100.0	
		Pie	Cumple	Cumple	24.4	20.0	24.4	G, H, Q, V <sup>(9)</sup>	Q	1427.8	68.5	-1.7	-8.1	70.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1484.4	70.1	0.4	1.8	66.8	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	20.0	20.0	G, H, Q, V <sup>(9)</sup>	Q	1427.8	68.5	-1.7	-8.1	70.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1484.4	70.1	0.4	1.8	66.8	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															

## 1.3. P3

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	32.5	45.5	45.5	G, H, Q, V <sup>(2)</sup>	Q	708.8	-90.3	23.5	-0.2	46.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	785.4	-91.0	27.0	-0.8	44.7	
		31.35 m	Cumple	Cumple	32.1	52.9	52.9	G, H, Q, V <sup>(4)</sup>	Q	587.3	75.2	1.1	0.0	42.0	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	726.0	106.9	23.5	-0.2	46.9	
		29.2 m	Cumple	Cumple	32.1	52.9	52.9	G, H, Q, V <sup>(4)</sup>	Q	587.3	75.2	1.1	0.0	42.0	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	726.0	106.9	23.5	-0.2	46.9	
		Pie	Cumple	Cumple	32.1	52.9	52.9	G, H, Q, V <sup>(4)</sup>	Q	587.3	75.2	1.1	0.0	42.0	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	726.0	106.9	23.5	-0.2	46.9	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	43.7	59.7	59.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1329.7	-167.0	-44.0	3.5	79.1	Cumple
		27.75 m	Cumple	Cumple	43.7	59.9	59.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1351.5	167.1	44.4	3.5	79.1	Cumple
		25.6 m	Cumple	Cumple	43.7	59.9	59.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1351.5	167.1	44.4	3.5	79.1	Cumple
		Pie	Cumple	Cumple	43.7	59.9	59.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1351.5	167.1	44.4	3.5	79.1	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	34.1	66.5	66.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1955.9	-165.9	-56.9	1.2	61.7	Cumple
		24.15 m	Cumple	Cumple	34.1	66.5	66.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1955.9	-165.9	-56.9	1.2	61.7	Cumple
		22 m	Cumple	Cumple	34.1	66.5	66.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1955.9	-165.9	-56.9	1.2	61.7	Cumple
		Pie	Cumple	Cumple	34.1	62.9	62.9	G, H, Q, V <sup>(2)</sup>	Q	1977.7	145.6	58.2	1.2	61.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2096.9	135.1	59.7	1.2	53.9	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	32.5	60.6	60.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2589.9	-182.1	-69.4	2.4	75.8	Cumple
		20.55 m	Cumple	Cumple	32.5	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2616.8	197.5	71.5	2.4	75.8	Cumple
		18.4 m	Cumple	Cumple	32.5	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2616.8	197.5	71.5	2.4	75.8	Cumple
		Pie	Cumple	Cumple	32.5	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2616.8	197.5	71.5	2.4	75.8	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	24.3	70.8	70.8	G, H, Q, V <sup>(2)</sup>	Q	3225.7	-185.0	74.1	-0.6	56.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3382.6	-170.0	74.6	-0.3	45.9	
		16.95 m	Cumple	Cumple	24.3	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	3252.6	145.6	-74.5	-0.6	56.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3409.5	128.1	-142.7	-0.3	45.9	
		14.8 m	Cumple	Cumple	24.3	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	3252.6	145.6	-74.5	-0.6	56.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3409.5	128.1	-142.7	-0.3	45.9	
		Pie	Cumple	Cumple	24.3	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	3252.6	145.6	-74.5	-0.6	56.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3409.5	128.1	-142.7	-0.3	45.9	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	28.2	70.7	70.7	G, H, Q, V <sup>(5)</sup>	Q	3870.1	-153.0	-75.7	3.2	66.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4044.1	-157.5	-78.0	3.6	51.7	
		13.35 m	Cumple	Cumple	28.2	74.3	74.3	G, H, Q, V <sup>(5)</sup>	Q	3900.5	216.6	86.0	3.2	66.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4074.5	192.5	87.2	3.6	51.8	
		11.2 m	Cumple	Cumple	28.2	74.3	74.3	G, H, Q, V <sup>(5)</sup>	Q	3900.5	216.6	86.0	3.2	66.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4074.5	192.5	87.2	3.6	51.8	
Pie	Cumple	Cumple	28.2	74.3	74.3	G, H, Q, V <sup>(5)</sup>	Q	3900.5	216.6	86.0	3.2	66.3	Cumple		
							G, H, Q, V <sup>(6)</sup>	N,M	4074.5	192.5	87.2	3.6	51.8		
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.9	79.1	79.1	G, H, Q, V <sup>(2)</sup>	Q	4499.6	-242.4	161.1	-4.7	28.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4696.9	-247.6	158.3	-3.3	23.2	
		9.75 m	Cumple	Cumple	10.9	81.9	81.9	G, H, Q, V <sup>(2)</sup>	Q	4546.5	218.7	-243.7	-4.7	28.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4743.7	201.7	-248.7	-3.3	23.2	
		5.85 m	Cumple	Cumple	10.9	81.9	81.9	G, H, Q, V <sup>(2)</sup>	Q	4546.5	218.7	-243.7	-4.7	28.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4743.7	201.7	-248.7	-3.3	23.2	
		Pie	Cumple	Cumple	10.9	81.9	81.9	G, H, Q, V <sup>(2)</sup>	Q	4546.5	218.7	-243.7	-4.7	28.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4743.7	201.7	-248.7	-3.3	23.2	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.5	89.6	89.6	G, H, Q, V <sup>(5)</sup>	Q	5367.4	-264.2	172.6	-6.2	28.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5587.7	-268.0	171.6	-5.5	21.8	
		4.4 m	Cumple	Cumple	10.5	93.7	93.7	G, H, Q, V <sup>(5)</sup>	Q	5414.2	263.7	-265.5	-6.2	28.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5634.6	241.1	-269.2	-5.5	22.6	
		0.5 m	Cumple	Cumple	10.5	93.7	93.7	G, H, Q, V <sup>(5)</sup>	Q	5414.2	263.7	-265.5	-6.2	28.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5634.6	241.1	-269.2	-5.5	22.6	
		Pie	Cumple	Cumple	10.5	93.7	93.7	G, H, Q, V <sup>(5)</sup>	Q	5414.2	263.7	-265.5	-6.2	28.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5634.6	241.1	-269.2	-5.5	22.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	50.5	54.3	54.3	G, H, Q, V <sup>(7)</sup>	Q	3381.0	-235.5	77.2	-10.2	160.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3701.1	-224.9	-92.0	17.8	144.7	
		-0.95 m	Cumple	Cumple	50.5	54.3	54.3	G, H, Q, V <sup>(7)</sup>	Q	3381.0	-235.5	77.2	-10.2	160.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3701.1	-224.9	-92.0	17.8	144.7	
		-3 m	Cumple	Cumple	33.7	23.1	33.7	G, H, Q, V <sup>(9)</sup>	Q	1848.5	8.6	-37.0	-9.8	106.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1907.0	14.5	38.1	0.1	103.3	
Pie	Cumple	Cumple	24.3	19.9	24.3	G, H, Q, V <sup>(9)</sup>	Q	1410.4	70.2	-1.1	-5.5	69.8	Cumple		
							G, H, Q, V <sup>(6)</sup>	N,M	1467.4	71.4	1.0	3.9	66.0		
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	19.9	19.9	G, H, Q, V <sup>(9)</sup>	Q	1410.4	70.2	-1.1	-5.5	69.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1467.4	71.4	1.0	3.9	66.0	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> PP+CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.4. P4

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	32.3	45.8	45.8	G, H, Q, V <sup>(2)</sup>	Q	589.3	-62.1	-2.1	1.5	42.3	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	800.6	-90.8	-28.0	2.1	44.2						
		31.35 m	Cumple	Cumple	31.9	53.6	53.6	G, H, Q, V <sup>(2)</sup>	Q	602.0	75.3	2.9	1.5	42.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	741.6	107.2	26.6	1.9	46.9						
		29.2 m	Cumple	Cumple	31.9	53.6	53.6	G, H, Q, V <sup>(2)</sup>	Q	602.0	75.3	2.9	1.5	42.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	741.6	107.2	26.6	1.9	46.9						
		Pie	Cumple	Cumple	31.9	53.6	53.6	G, H, Q, V <sup>(2)</sup>	Q	602.0	75.3	2.9	1.5	42.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	741.6	107.2	26.6	1.9	46.9						
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	43.5	59.9	59.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1352.3	-167.3	-44.4	3.6	78.8	Cumple
		27.75 m	Cumple	Cumple	43.5	60.1	60.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1374.1	167.0	45.6	3.6	78.8	Cumple
		25.6 m	Cumple	Cumple	43.5	60.1	60.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1374.1	167.0	45.6	3.6	78.8	Cumple
		Pie	Cumple	Cumple	43.5	60.1	60.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1374.1	167.0	45.6	3.6	78.8	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	34.7	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1986.3	-168.6	-58.7	1.9	62.8	Cumple
		24.15 m	Cumple	Cumple	34.7	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1986.3	-168.6	-58.7	1.9	62.8	Cumple
		22 m	Cumple	Cumple	34.7	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1986.3	-168.6	-58.7	1.9	62.8	Cumple
		Pie	Cumple	Cumple	34.7	63.8	63.8	G, H, Q, V <sup>(4)</sup>	Q	2008.1	147.4	59.5	1.9	62.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	2126.3	136.1	61.8	2.4	54.5						
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	33.3	61.7	61.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2629.0	-185.8	-70.3	2.6	77.7	Cumple
		20.55 m	Cumple	Cumple	33.3	64.0	64.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	2655.9	200.8	72.2	2.6	77.7	Cumple
		18.4 m	Cumple	Cumple	33.3	64.0	64.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	2655.9	200.8	72.2	2.6	77.7	Cumple
		Pie	Cumple	Cumple	33.3	64.0	64.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	2655.9	200.8	72.2	2.6	77.7	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	25.7	72.0	72.0	G, H, Q, V <sup>(4)</sup>	Q	3273.8	-190.7	74.1	-0.2	60.0	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	3428.9	-174.2	-75.6	0.6	48.6						
		16.95 m	Cumple	Cumple	25.7	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3300.7	151.6	-73.9	-0.2	60.0	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	3455.8	132.9	143.9	0.6	48.6						
		14.8 m	Cumple	Cumple	25.7	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3300.7	151.6	-73.9	-0.2	60.0	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	3455.8	132.9	143.9	0.6	48.6						
		Pie	Cumple	Cumple	25.7	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3300.7	151.6	-73.9	-0.2	60.0	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	3455.8	132.9	143.9	0.6	48.6									
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	29.7	71.6	71.6	G, H, Q, V <sup>(5)</sup>	Q	3929.8	-156.2	-76.8	3.2	69.9	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	4101.6	-158.9	-79.9	4.2	54.3						
		13.35 m	Cumple	Cumple	29.7	75.5	75.5	G, H, Q, V <sup>(5)</sup>	Q	3960.2	222.9	85.6	3.2	69.9	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	4132.0	197.1	87.7	4.2	54.4						
		11.2 m	Cumple	Cumple	29.7	75.5	75.5	G, H, Q, V <sup>(5)</sup>	Q	3960.2	222.9	85.6	3.2	69.9	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	4132.0	197.1	87.7	4.2	54.4						
		Pie	Cumple	Cumple	29.7	75.5	75.5	G, H, Q, V <sup>(5)</sup>	Q	3960.2	222.9	85.6	3.2	69.9	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	4132.0	197.1	87.7	4.2	54.4						
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	13.0	80.1	80.1	G, H, Q, V <sup>(4)</sup>	Q	4575.3	-244.4	162.2	-4.7	34.3	Cumple
			G, H, Q, V <sup>(7)</sup>	N,M	4734.1	-248.5	170.3	-7.7	24.3						
		9.75 m	Cumple	Cumple	13.0	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	4622.1	233.7	-245.7	-4.7	34.3	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	4816.8	216.4	-250.5	-3.0	28.4						
		5.85 m	Cumple	Cumple	13.0	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	4622.1	233.7	-245.7	-4.7	34.3	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	4816.8	216.4	-250.5	-3.0	28.4						
		Pie	Cumple	Cumple	13.0	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	4622.1	233.7	-245.7	-4.7	34.3	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	4816.8	216.4	-250.5	-3.0	28.4									
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	11.5	90.5	90.5	G, H, Q, V <sup>(5)</sup>	Q	5451.7	-265.8	171.1	-5.8	31.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	5672.7	-269.4	169.6	-5.0	25.2						
		4.4 m	Cumple	Cumple	11.5	95.0	95.0	G, H, Q, V <sup>(5)</sup>	Q	5498.5	269.8	-172.1	-5.8	31.6	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	5719.5	247.1	-270.5	-5.0	26.1						
		0.5 m	Cumple	Cumple	11.5	95.0	95.0	G, H, Q, V <sup>(5)</sup>	Q	5498.5	269.8	-172.1	-5.8	31.6	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	5719.5	247.1	-270.5	-5.0	26.1						
		Pie	Cumple	Cumple	11.5	95.0	95.0	G, H, Q, V <sup>(5)</sup>	Q	5498.5	269.8	-172.1	-5.8	31.6	Cumple
G, H, Q, V <sup>(6)</sup>	N,M	5719.5	247.1	-270.5	-5.0	26.1									
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	48.6	53.9	53.9	G, H, Q, V <sup>(8)</sup>	Q	3400.6	-228.4	77.6	-16.8	153.6	Cumple
			G, H, Q, V <sup>(9)</sup>	N,M	3664.1	-228.9	-81.3	-12.8	144.4						
		-0.95 m	Cumple	Cumple	48.6	53.9	53.9	G, H, Q, V <sup>(8)</sup>	Q	3400.6	-228.4	77.6	-16.8	153.6	Cumple
			G, H, Q, V <sup>(9)</sup>	N,M	3664.1	-228.9	-81.3	-12.8	144.4						
		-3 m	Cumple	Cumple	33.6	23.4	33.6	G, H, Q, V <sup>(9)</sup>	Q	1865.8	8.3	-37.3	-7.7	106.6	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	1927.8	14.0	38.6	2.3	101.5						
		Pie	Cumple	Cumple	24.4	20.0	24.4	G, H, Q, V <sup>(9)</sup>	Q	1432.1	68.4	-1.4	-7.0	70.5	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	1497.2	67.5	0.6	2.3	64.9						



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	20.0	20.0	G, H, Q, V <sup>(9)</sup>	Q	1432.1	68.4	-1.4	-7.0	70.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1497.2	67.5	0.6	2.3	64.9	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$ <sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$ <sup>(4)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$ <sup>(5)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$ <sup>(6)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$ <sup>(7)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$ <sup>(8)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(-Yexc.-)$ <sup>(9)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(-Yexc.-)$															

## 1.5. P5

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	29.1	40.7	40.7	G, H, Q, V <sup>(2)</sup>	Q	592.2	-55.8	1.5	-0.5	38.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	723.0	-80.9	24.5	-0.8	40.4	
		31.35 m	Cumple	Cumple	28.8	47.0	47.0	G, H, Q, V <sup>(2)</sup>	Q	605.0	68.4	-0.3	-0.5	38.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	740.2	96.0	-23.6	-0.8	40.4	
		29.2 m	Cumple	Cumple	28.8	47.0	47.0	G, H, Q, V <sup>(2)</sup>	Q	605.0	68.4	-0.3	-0.5	38.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	740.2	96.0	-23.6	-0.8	40.4	
		Pie	Cumple	Cumple	28.8	47.0	47.0	G, H, Q, V <sup>(2)</sup>	Q	605.0	68.4	-0.3	-0.5	38.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	740.2	96.0	-23.6	-0.8	40.4	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	39.2	55.7	55.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	1347.4	-154.3	-40.8	1.3	71.0	Cumple
		27.75 m	Cumple	Cumple	39.2	55.9	55.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1369.2	154.4	41.4	1.3	71.0	Cumple
		25.6 m	Cumple	Cumple	39.2	55.9	55.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1369.2	154.4	41.4	1.3	71.0	Cumple
		Pie	Cumple	Cumple	39.2	55.9	55.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1369.2	154.4	41.4	1.3	71.0	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	32.3	65.8	65.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1980.0	-161.2	57.3	-0.7	58.4	Cumple
		24.15 m	Cumple	Cumple	32.3	65.8	65.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1980.0	-161.2	57.3	-0.7	58.4	Cumple
		22 m	Cumple	Cumple	32.3	65.8	65.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1980.0	-161.2	57.3	-0.7	58.4	Cumple
		Pie	Cumple	Cumple	32.3	62.1	62.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2001.8	140.5	-56.7	-0.7	58.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.9	60.8	60.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2624.8	-180.5	68.4	-0.4	74.5	Cumple
		20.55 m	Cumple	Cumple	31.9	63.0	63.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2651.7	195.8	67.4	-0.4	74.5	Cumple
		18.4 m	Cumple	Cumple	31.9	63.0	63.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2651.7	195.8	67.4	-0.4	74.5	Cumple
		Pie	Cumple	Cumple	31.9	63.0	63.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2651.7	195.8	67.4	-0.4	74.5	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	25.5	71.4	71.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	3274.8	-189.7	78.7	-3.0	59.5	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3301.7	151.0	-78.5	-3.0	59.5	
		16.95 m	Cumple	Cumple	25.5	72.0	72.0	G, H, Q, V <sup>(4)</sup>	N,M	3408.7	124.7	-142.7	-2.3	43.2	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3301.7	151.0	-78.5	-3.0	59.5	
		14.8 m	Cumple	Cumple	25.5	72.0	72.0	G, H, Q, V <sup>(4)</sup>	N,M	3408.7	124.7	-142.7	-2.3	43.2	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3301.7	151.0	-78.5	-3.0	59.5	
		Pie	Cumple	Cumple	25.5	72.0	72.0	G, H, Q, V <sup>(3)</sup>	Q	3301.7	151.0	-78.5	-3.0	59.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3408.7	124.7	-142.7	-2.3	43.2	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	30.2	70.8	70.8	G, H, Q, V <sup>(5)</sup>	Q	3938.4	-156.8	77.8	2.5	70.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4052.7	-157.7	-76.8	3.5	49.7	
		13.35 m	Cumple	Cumple	30.2	75.8	75.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3968.9	226.0	86.1	2.5	70.9	Cumple
		11.2 m	Cumple	Cumple	30.2	75.8	75.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3968.9	226.0	86.1	2.5	70.9	Cumple
		Pie	Cumple	Cumple	30.2	75.8	75.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3968.9	226.0	86.1	2.5	70.9	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	14.2	79.5	79.5	G, H, Q, V <sup>(3)</sup>	Q	4599.3	-253.4	161.6	-4.8	37.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4727.3	-248.3	157.5	-3.1	28.6	
		9.75 m	Cumple	Cumple	14.2	83.0	83.0	G, H, Q, V <sup>(3)</sup>	Q	4646.1	240.7	-246.3	-4.8	37.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4774.1	215.5	-249.5	-3.1	28.6	
		5.85 m	Cumple	Cumple	14.2	83.0	83.0	G, H, Q, V <sup>(3)</sup>	Q	4646.1	240.7	-246.3	-4.8	37.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4774.1	215.5	-249.5	-3.1	28.6	
		Pie	Cumple	Cumple	14.2	83.0	83.0	G, H, Q, V <sup>(3)</sup>	Q	4646.1	240.7	-246.3	-4.8	37.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4774.1	215.5	-249.5	-3.1	28.6	



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	12.3	90.1	90.1	G, H, Q, V <sup>(5)</sup>	Q	5480.4	-266.3	173.9	-6.7	33.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5627.9	-268.7	172.6	-5.9	25.8	
		4.4 m	Cumple	Cumple	12.3	94.7	94.7	G, H, Q, V <sup>(5)</sup>	Q	5527.2	277.0	-173.5	-6.7	33.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5674.7	251.1	-269.8	-5.9	26.6	
		0.5 m	Cumple	Cumple	12.3	94.7	94.7	G, H, Q, V <sup>(5)</sup>	Q	5527.2	277.0	-173.5	-6.7	33.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5674.7	251.1	-269.8	-5.9	26.6	
		Pie	Cumple	Cumple	12.3	94.7	94.7	G, H, Q, V <sup>(5)</sup>	Q	5527.2	277.0	-173.5	-6.7	33.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5674.7	251.1	-269.8	-5.9	26.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	47.7	53.2	53.2	G, H, Q, V <sup>(7)</sup>	Q	3224.8	-224.8	74.2	-22.4	149.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3744.1	-201.3	-88.1	-2.0	124.3	
		-0.95 m	Cumple	Cumple	47.7	53.2	53.2	G, H, Q, V <sup>(7)</sup>	Q	3224.8	-224.8	74.2	-22.4	149.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3744.1	-201.3	-88.1	-2.0	124.3	
		-3 m	Cumple	Cumple	33.9	23.3	33.9	G, H, Q, V <sup>(9)</sup>	Q	1795.7	10.1	-35.9	-8.5	107.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1923.6	15.4	38.5	1.3	106.1	
		Pie	Cumple	Cumple	24.4	20.0	24.4	G, H, Q, V <sup>(9)</sup>	Q	1365.8	69.8	-1.7	-7.8	68.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1478.6	71.7	0.4	1.5	66.3	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	20.0	20.0	G, H, Q, V <sup>(9)</sup>	Q	1365.8	69.8	-1.7	-7.8	68.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1478.6	71.7	0.4	1.5	66.3	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															

## 1.6. P6

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	28.8	41.2	41.2	G, H, Q, V <sup>(2)</sup>	Q	574.0	-54.2	-7.4	4.5	37.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	701.3	-78.6	-30.7	5.3	39.2	
		31.35 m	Cumple	Cumple	28.5	47.7	47.7	G, H, Q, V <sup>(2)</sup>	Q	586.8	66.1	7.1	4.5	37.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	718.5	92.9	30.6	5.3	39.2	
		29.2 m	Cumple	Cumple	28.5	47.7	47.7	G, H, Q, V <sup>(2)</sup>	Q	586.8	66.1	7.1	4.5	37.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	718.5	92.9	30.6	5.3	39.2	
		Pie	Cumple	Cumple	28.5	47.7	47.7	G, H, Q, V <sup>(2)</sup>	Q	586.8	66.1	7.1	4.5	37.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	718.5	92.9	30.6	5.3	39.2	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	37.9	54.8	54.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1315.0	-149.6	-44.5	4.5	68.5	Cumple
		27.75 m	Cumple	Cumple	37.9	55.0	55.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	1336.8	149.1	46.4	4.5	68.5	Cumple
		25.6 m	Cumple	Cumple	37.9	55.0	55.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	1336.8	149.1	46.4	4.5	68.5	Cumple
		Pie	Cumple	Cumple	37.9	55.0	55.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	1336.8	149.1	46.4	4.5	68.5	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	31.8	65.2	65.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1937.7	-159.2	-60.1	3.1	57.5	Cumple
		24.15 m	Cumple	Cumple	31.8	65.2	65.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1937.7	-159.2	-60.1	3.1	57.5	Cumple
		22 m	Cumple	Cumple	31.8	65.2	65.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1937.7	-159.2	-60.1	3.1	57.5	Cumple
		Pie	Cumple	Cumple	31.8	61.4	61.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	1959.5	138.1	60.5	3.1	57.5	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.6	60.1	60.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2573.7	-178.7	-71.4	3.7	73.5	Cumple
		20.55 m	Cumple	Cumple	31.6	62.4	62.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2600.6	192.9	73.4	3.7	73.5	Cumple
		18.4 m	Cumple	Cumple	31.6	62.4	62.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2600.6	192.9	73.4	3.7	73.5	Cumple
		Pie	Cumple	Cumple	31.6	62.4	62.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2600.6	192.9	73.4	3.7	73.5	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	25.6	70.3	70.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3215.9	-189.2	-74.5	0.9	59.6	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3242.8	151.1	74.9	0.9	59.6	
		16.95 m	Cumple	Cumple	25.6	70.9	70.9	G, H, Q, V <sup>(4)</sup>	N,M	3349.8	124.3	141.1	1.2	43.0	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3242.8	151.1	74.9	0.9	59.6	
		14.8 m	Cumple	Cumple	25.6	70.9	70.9	G, H, Q, V <sup>(3)</sup>	Q	3349.8	124.3	141.1	1.2	43.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3349.8	124.3	141.1	1.2	43.0	
		Pie	Cumple	Cumple	25.6	70.9	70.9	G, H, Q, V <sup>(3)</sup>	Q	3242.8	151.1	74.9	0.9	59.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3349.8	124.3	141.1	1.2	43.0	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	29.7	69.9	69.9	G, H, Q, V <sup>(5)</sup>	Q	3873.3	-154.8	-79.6	5.5	69.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3986.7	-156.0	-81.4	5.9	47.8	
		13.35 m	Cumple	Cumple	29.7	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3903.7	222.6	89.8	5.5	69.5	Cumple
		11.2 m	Cumple	Cumple	29.7	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3903.7	222.6	89.8	5.5	69.5	Cumple
		Pie	Cumple	Cumple	29.7	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3903.7	222.6	89.8	5.5	69.5	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	14.4	78.6	78.6	G, H, Q, V <sup>(3)</sup>	Q	4528.2	-256.2	-154.1	1.0	38.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4654.6	-246.5	-159.2	2.6	28.7	
		9.75 m	Cumple	Cumple	14.4	82.0	82.0	G, H, Q, V <sup>(3)</sup>	Q	4575.0	241.5	244.4	1.0	38.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4701.4	214.5	247.7	2.6	28.7	
		5.85 m	Cumple	Cumple	14.4	82.0	82.0	G, H, Q, V <sup>(3)</sup>	Q	4575.0	241.5	244.4	1.0	38.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4701.4	214.5	247.7	2.6	28.7	
		Pie	Cumple	Cumple	14.4	82.0	82.0	G, H, Q, V <sup>(3)</sup>	Q	4575.0	241.5	244.4	1.0	38.4	Cumple
						G, H, Q, V <sup>(4)</sup>	N,M	4701.4	214.5	247.7	2.6	28.7			
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	12.2	88.7	88.7	G, H, Q, V <sup>(5)</sup>	Q	5405.1	-264.9	-161.0	-0.4	34.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5550.0	-267.4	-161.9	0.5	26.6	
		4.4 m	Cumple	Cumple	12.2	93.9	93.9	G, H, Q, V <sup>(5)</sup>	Q	5451.9	280.3	-163.0	-0.4	34.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5596.8	253.3	-268.6	0.5	26.6	
		0.5 m	Cumple	Cumple	12.2	93.9	93.9	G, H, Q, V <sup>(5)</sup>	Q	5451.9	280.3	-163.0	-0.4	34.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5596.8	253.3	-268.6	0.5	26.6	
		Pie	Cumple	Cumple	12.2	93.9	93.9	G, H, Q, V <sup>(5)</sup>	Q	5451.9	280.3	-163.0	-0.4	34.2	Cumple
						G, H, Q, V <sup>(6)</sup>	N,M	5596.8	253.3	-268.6	0.5	26.6			
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	48.5	52.5	52.5	G, H, Q, V <sup>(7)</sup>	Q	3207.6	-223.1	81.9	-43.2	148.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3704.2	-198.6	-85.1	-13.1	120.8	
		-0.95 m	Cumple	Cumple	48.5	52.5	52.5	G, H, Q, V <sup>(7)</sup>	Q	3207.6	-223.1	81.9	-43.2	148.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3704.2	-198.6	-85.1	-13.1	120.8	
		-3 m	Cumple	Cumple	32.6	23.0	32.6	G, H, Q, V <sup>(9)</sup>	Q	1770.4	8.9	-35.4	-10.6	103.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1897.0	14.1	37.9	-1.0	101.3	
		Pie	Cumple	Cumple	24.6	19.7	24.6	G, H, Q, V <sup>(9)</sup>	Q	1350.8	67.7	-1.5	-7.1	68.6	Cumple
						G, H, Q, V <sup>(6)</sup>	N,M	1464.0	68.9	0.5	2.4	66.2			
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	19.7	19.7	G, H, Q, V <sup>(9)</sup>	Q	1350.8	67.7	-1.5	-7.1	68.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1464.0	68.9	0.5	2.4	66.2	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															

## 1.7. P7

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	36.2	60.6	60.6	G, H, Q, V <sup>(2)</sup>	Q	756.7	-95.8	57.5	-22.4	48.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	836.2	-97.5	64.6	-25.1	47.3	
		31.35 m	Cumple	Cumple	36.2	67.9	67.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	773.9	110.8	-62.7	-22.4	48.9	Cumple
		29.2 m	Cumple	Cumple	36.2	67.9	67.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	773.9	110.8	-62.7	-22.4	48.9	Cumple
		Pie	Cumple	Cumple	36.2	67.9	67.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	773.9	110.8	-62.7	-22.4	48.9	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	46.7	69.6	69.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1408.4	-170.2	90.0	-29.9	79.2	Cumple
		27.75 m	Cumple	Cumple	46.7	69.6	69.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1408.4	-170.2	90.0	-29.9	79.2	Cumple
		25.6 m	Cumple	Cumple	46.7	69.6	69.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1408.4	-170.2	90.0	-29.9	79.2	Cumple
		Pie	Cumple	Cumple	46.7	68.5	68.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1430.2	168.6	-88.9	-29.9	79.2	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	39.5	77.3	77.3	G, H, Q, V <sup>(2)</sup>	Q	2067.3	-177.3	103.4	-27.2	66.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2062.1	-174.9	108.8	-30.2	64.6	
		24.15 m	Cumple	Cumple	39.5	77.3	77.3	G, H, Q, V <sup>(2)</sup>	Q	2067.3	-177.3	103.4	-27.2	66.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2062.1	-174.9	108.8	-30.2	64.6	
		22 m	Cumple	Cumple	39.5	77.3	77.3	G, H, Q, V <sup>(2)</sup>	Q	2067.3	-177.3	103.4	-27.2	66.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2062.1	-174.9	108.8	-30.2	64.6	
		Pie	Cumple	Cumple	39.5	71.5	71.5	G, H, Q, V <sup>(2)</sup>	Q	2089.1	152.3	-99.5	-27.2	66.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2083.9	149.5	-103.7	-30.2	64.6	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	37.8	68.8	68.8	G, H, Q, V <sup>(2)</sup>	Q	2735.9	-194.7	124.2	-33.1	81.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2728.6	-191.7	131.2	-37.0	79.8	
		20.55 m	Cumple	Cumple	37.8	70.6	70.6	G, H, Q, V <sup>(2)</sup>	Q	2762.8	207.8	-120.3	-33.1	81.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2904.3	190.5	-128.4	-37.3	69.0	
		18.4 m	Cumple	Cumple	37.8	70.6	70.6	G, H, Q, V <sup>(2)</sup>	Q	2762.8	207.8	-120.3	-33.1	81.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2904.3	190.5	-128.4	-37.3	69.0	
		Pie	Cumple	Cumple	37.8	70.6	70.6	G, H, Q, V <sup>(2)</sup>	Q	2762.8	207.8	-120.3	-33.1	81.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2904.3	190.5	-128.4	-37.3	69.0	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	31.1	78.5	78.5	G, H, Q, V <sup>(4)</sup>	Q	3397.8	-199.5	133.7	-34.9	63.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3566.1	-182.1	133.5	-34.5	51.9	
		16.95 m	Cumple	Cumple	31.1	78.5	78.5	G, H, Q, V <sup>(4)</sup>	Q	3397.8	-199.5	133.7	-34.9	63.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3566.1	-182.1	133.5	-34.5	51.9	
		14.8 m	Cumple	Cumple	31.1	78.5	78.5	G, H, Q, V <sup>(4)</sup>	Q	3397.8	-199.5	133.7	-34.9	63.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3566.1	-182.1	133.5	-34.5	51.9	
		Pie	Cumple	Cumple	31.1	76.3	76.3	G, H, Q, V <sup>(4)</sup>	Q	3424.7	156.5	-128.7	-34.9	63.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3598.5	138.7	-147.4	-31.8	52.6	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	34.0	77.5	77.5	G, H, Q, V <sup>(6)</sup>	Q	4080.6	-158.4	145.1	-39.2	69.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4267.0	-163.0	144.3	-39.5	55.1	
		13.35 m	Cumple	Cumple	34.0	80.7	80.7	G, H, Q, V <sup>(6)</sup>	Q	4111.1	224.6	-136.1	-39.2	69.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4304.1	204.2	-136.9	-36.7	56.3	
		11.2 m	Cumple	Cumple	34.0	80.7	80.7	G, H, Q, V <sup>(6)</sup>	Q	4111.1	224.6	-136.1	-39.2	69.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4304.1	204.2	-136.9	-36.7	56.3	
		Pie	Cumple	Cumple	34.0	80.7	80.7	G, H, Q, V <sup>(6)</sup>	Q	4111.1	224.6	-136.1	-39.2	69.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4304.1	204.2	-136.9	-36.7	56.3	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.6	86.0	86.0	G, H, Q, V <sup>(4)</sup>	Q	4766.2	-269.2	227.8	-30.6	42.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4976.9	-255.5	220.8	-27.6	35.0	
		9.75 m	Cumple	Cumple	19.6	87.1	87.1	G, H, Q, V <sup>(4)</sup>	Q	4813.0	251.1	-233.1	-30.6	42.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5031.5	229.0	-255.3	-23.5	35.0	
		5.85 m	Cumple	Cumple	19.6	87.1	87.1	G, H, Q, V <sup>(4)</sup>	Q	4813.0	251.1	-233.1	-30.6	42.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5031.5	229.0	-255.3	-23.5	35.0	
		Pie	Cumple	Cumple	19.6	87.1	87.1	G, H, Q, V <sup>(4)</sup>	Q	4813.0	251.1	-233.1	-30.6	42.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5031.5	229.0	-255.3	-23.5	35.0	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	14.8	95.1	95.1	G, H, Q, V <sup>(6)</sup>	Q	5665.9	-269.3	211.9	-21.8	34.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5900.1	-272.5	208.4	-19.3	27.4	
		4.4 m	Cumple	Cumple	14.8	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	5712.7	281.1	-209.8	-21.8	34.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5955.8	255.2	-273.6	-15.9	28.5	
		0.5 m	Cumple	Cumple	14.8	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	5712.7	281.1	-209.8	-21.8	34.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5955.8	255.2	-273.6	-15.9	28.5	
		Pie	Cumple	Cumple	14.8	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	5712.7	281.1	-209.8	-21.8	34.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5955.8	255.2	-273.6	-15.9	28.5	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	55.4	61.8	61.8	G, H, Q, V <sup>(8)</sup>	Q	4126.6	-190.4	-87.7	-22.3	174.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4616.4	-182.4	-102.7	31.0	107.8	
		-0.95 m	Cumple	Cumple	55.4	61.8	61.8	G, H, Q, V <sup>(8)</sup>	Q	4126.6	-190.4	-87.7	-22.3	174.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4616.4	-182.4	-102.7	31.0	107.8	
		-3 m	Cumple	Cumple	35.5	24.3	35.5	G, H, Q, V <sup>(10)</sup>	Q	1938.1	9.0	-38.8	-5.4	112.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2003.0	13.7	-40.1	2.9	106.1	
		Pie	Cumple	Cumple	25.0	20.8	25.0	G, H, Q, V <sup>(11)</sup>	Q	1483.5	72.7	-1.5	-7.1	73.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1556.9	70.0	0.6	2.4	67.2	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	20.8	20.8	G, H, Q, V <sup>(11)</sup>	Q	1483.5	72.7	-1.5	-7.1	73.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1556.9	70.0	0.6	2.4	67.2	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(+Yexc.-) <sup>(3)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(+Yexc.-) <sup>(4)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(+Yexc.+) <sup>(5)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(+Yexc.+) <sup>(6)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(+Yexc.+) <sup>(7)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(+Yexc.-) <sup>(8)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.+) <sup>(9)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(+Yexc.+) <sup>(10)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(-Yexc.+) <sup>(11)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(-Yexc.-)															





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.8. P8

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>es</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	29.1	45.4	45.4	G, H, Q, V <sup>(2)</sup>	Q	716.6	-84.9	-30.4	4.4	42.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	794.2	-86.6	-33.2	4.5	40.7	
		31.35 m	Cumple	Cumple	28.7	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	733.8	96.9	29.1	4.4	42.1	Cumple
		29.2 m	Cumple	Cumple	28.7	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	733.8	96.9	29.1	4.4	42.1	Cumple
		Pie	Cumple	Cumple	28.7	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	733.8	96.9	29.1	4.4	42.1	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	37.1	53.8	53.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1324.5	-148.4	-40.0	1.7	67.1	Cumple
		27.75 m	Cumple	Cumple	37.1	53.8	53.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1324.5	-148.4	-40.0	1.7	67.1	Cumple
		25.6 m	Cumple	Cumple	37.1	53.8	53.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1324.5	-148.4	-40.0	1.7	67.1	Cumple
		Pie	Cumple	Cumple	37.1	53.7	53.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1346.3	146.6	42.2	1.7	67.1	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	32.0	65.9	65.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1939.0	-162.1	60.2	-2.7	57.8	Cumple
		24.15 m	Cumple	Cumple	32.0	65.9	65.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1939.0	-162.1	60.2	-2.7	57.8	Cumple
		22 m	Cumple	Cumple	32.0	65.9	65.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1939.0	-162.1	60.2	-2.7	57.8	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	1960.8	136.4	-59.1	-2.7	57.8	Cumple
		Pie	Cumple	Cumple	32.0	61.0	61.0	G, H, Q, V <sup>(5)</sup>	N,M	2082.3	126.1	-58.9	-1.2	49.7	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	30.3	59.9	59.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	2564.9	-176.3	74.1	-3.9	70.7	Cumple
		20.55 m	Cumple	Cumple	30.3	61.3	61.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2591.8	185.9	-71.2	-3.9	70.7	Cumple
		18.4 m	Cumple	Cumple	30.3	61.3	61.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2591.8	185.9	-71.2	-3.9	70.7	Cumple
		Pie	Cumple	Cumple	30.3	61.3	61.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2591.8	185.9	-71.2	-3.9	70.7	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	25.6	70.7	70.7	G, H, Q, V <sup>(4)</sup>	Q	3195.3	-188.5	86.0	-7.5	59.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3351.8	-169.1	82.6	-5.0	46.1	
		16.95 m	Cumple	Cumple	25.6	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q	3222.2	150.3	-84.6	-7.5	59.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3378.7	129.2	-141.9	-5.0	46.1	
		14.8 m	Cumple	Cumple	25.6	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q	3222.2	150.3	-84.6	-7.5	59.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3378.7	129.2	-141.9	-5.0	46.1	
		Pie	Cumple	Cumple	25.6	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q	3222.2	150.3	-84.6	-7.5	59.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3378.7	129.2	-141.9	-5.0	46.1	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	27.9	70.4	70.4	G, H, Q, V <sup>(6)</sup>	Q	3838.6	-152.1	90.7	-4.6	65.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4009.2	-156.6	85.6	-1.9	49.3	
		13.35 m	Cumple	Cumple	27.9	73.3	73.3	G, H, Q, V <sup>(6)</sup>	Q	3869.1	213.9	75.9	-4.6	65.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4039.6	189.3	79.4	-1.9	49.4	
		11.2 m	Cumple	Cumple	27.9	73.3	73.3	G, H, Q, V <sup>(6)</sup>	Q	3869.1	213.9	75.9	-4.6	65.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4039.6	189.3	79.4	-1.9	49.4	
		Pie	Cumple	Cumple	27.9	73.3	73.3	G, H, Q, V <sup>(6)</sup>	Q	3869.1	213.9	75.9	-4.6	65.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4039.6	189.3	79.4	-1.9	49.4	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	16.3	79.2	79.2	G, H, Q, V <sup>(4)</sup>	Q	4474.0	-266.3	177.0	-9.9	42.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4663.5	-249.5	166.3	-5.2	33.0	
		9.75 m	Cumple	Cumple	16.3	82.6	82.6	G, H, Q, V <sup>(4)</sup>	Q	4520.8	249.9	-177.1	-9.9	42.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4710.3	222.7	-247.9	-5.2	33.0	
		5.85 m	Cumple	Cumple	16.3	82.6	82.6	G, H, Q, V <sup>(4)</sup>	Q	4520.8	249.9	-177.1	-9.9	42.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4710.3	222.7	-247.9	-5.2	33.0	
		Pie	Cumple	Cumple	16.3	82.6	82.6	G, H, Q, V <sup>(4)</sup>	Q	4520.8	249.9	-177.1	-9.9	42.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4710.3	222.7	-247.9	-5.2	33.0	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	13.3	88.8	88.8	G, H, Q, V <sup>(6)</sup>	Q	5342.3	-263.8	171.2	-9.1	36.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5550.1	-267.4	165.3	-5.6	26.9	
		4.4 m	Cumple	Cumple	13.3	94.3	94.3	G, H, Q, V <sup>(6)</sup>	Q	5389.1	290.0	-189.1	-9.1	36.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5597.0	259.7	-268.6	-5.6	27.7	
		0.5 m	Cumple	Cumple	13.3	94.3	94.3	G, H, Q, V <sup>(6)</sup>	Q	5389.1	290.0	-189.1	-9.1	36.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5597.0	259.7	-268.6	-5.6	27.7	
		Pie	Cumple	Cumple	13.3	94.3	94.3	G, H, Q, V <sup>(6)</sup>	Q	5389.1	290.0	-189.1	-9.1	36.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5597.0	259.7	-268.6	-5.6	27.7	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	56.7	57.6	57.6	G, H, Q, V <sup>(8)</sup>	Q	3819.3	-202.5	88.1	-35.0	176.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4294.4	-173.3	-92.5	19.1	102.0	
		-0.95 m	Cumple	Cumple	56.7	57.6	57.6	G, H, Q, V <sup>(8)</sup>	Q	3819.3	-202.5	88.1	-35.0	176.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4294.4	-173.3	-92.5	19.1	102.0	
		-3 m	Cumple	Cumple	36.7	22.8	36.7	G, H, Q, V <sup>(9)</sup>	Q	1815.0	9.1	-36.3	-5.9	116.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1883.9	13.2	37.7	0.6	107.1	
		Pie	Cumple	Cumple	25.7	19.7	25.7	G, H, Q, V <sup>(9)</sup>	Q	1385.3	74.0	-0.7	-4.0	72.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1469.5	67.8	0.5	1.5	63.6	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	19.7	19.7	G, H, Q, V <sup>(9)</sup>	Q	1385.3	74.0	-0.7	-4.0	72.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1469.5	67.8	0.5	1.5	63.6	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
<sup>(1)</sup> La comprobación no procede														
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)														
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)														
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)														
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)														
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)														
<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)														
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)														
<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)														

## 1.9. P9

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	28.3	42.9	42.9	G, H, Q, V <sup>(2)</sup>	Q	714.4	-82.8	-22.9	0.6	41.0	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	792.8	-85.1	25.4	-0.5	40.0						
		31.35 m	Cumple	Cumple	27.9	46.9	46.9	G, H, Q, V <sup>(2)</sup>	Q	731.7	95.5	24.0	0.6	41.0	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	810.0	95.0	25.8	0.3	40.1						
		29.2 m	Cumple	Cumple	27.9	46.9	46.9	G, H, Q, V <sup>(2)</sup>	Q	731.7	95.5	24.0	0.6	41.0	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	810.0	95.0	25.8	0.3	40.1						
		Pie	Cumple	Cumple	27.9	46.9	46.9	G, H, Q, V <sup>(2)</sup>	Q	731.7	95.5	24.0	0.6	41.0	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	810.0	95.0	25.8	0.3	40.1						
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	37.3	54.7	54.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1328.7	-151.0	41.0	-1.2	67.6	Cumple
		27.75 m	Cumple	Cumple	37.3	54.7	54.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1328.7	-151.0	41.0	-1.2	67.6	Cumple
		25.6 m	Cumple	Cumple	37.3	54.7	54.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1328.7	-151.0	41.0	-1.2	67.6	Cumple
		Pie	Cumple	Cumple	37.3	53.4	53.4	G, H, Q, V <sup>(5)</sup>	Q	1350.5	145.7	-40.1	-1.2	67.6	Cumple
			G, H, Q, V <sup>(2)</sup>	N,M	1350.1	145.7	41.5	1.5	66.9						
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	33.2	67.3	67.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.6	-166.9	61.9	-3.5	60.1	Cumple
		24.15 m	Cumple	Cumple	33.2	67.3	67.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.6	-166.9	61.9	-3.5	60.1	Cumple
		22 m	Cumple	Cumple	33.2	67.3	67.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.6	-166.9	61.9	-3.5	60.1	Cumple
		Pie	Cumple	Cumple	33.2	61.8	61.8	G, H, Q, V <sup>(5)</sup>	Q	1973.3	139.3	-60.3	-3.5	60.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	2096.5	128.4	-60.3	-2.1	51.3						
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.6	61.0	61.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	2586.4	-182.4	74.4	-3.8	73.6	Cumple
		20.55 m	Cumple	Cumple	31.6	62.0	62.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	2613.3	189.7	-70.9	-3.8	73.6	Cumple
		18.4 m	Cumple	Cumple	31.6	62.0	62.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	2613.3	189.7	-70.9	-3.8	73.6	Cumple
		Pie	Cumple	Cumple	31.6	62.0	62.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	2613.3	189.7	-70.9	-3.8	73.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	27.5	71.8	71.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3225.9	-195.6	86.8	-8.5	63.5	Cumple
		16.95 m	Cumple	Cumple	27.5	72.8	72.8	G, H, Q, V <sup>(5)</sup>	Q	3252.8	157.4	-87.4	-8.5	63.5	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	3410.6	134.4	-142.7	-6.1	49.1						
		14.8 m	Cumple	Cumple	27.5	72.8	72.8	G, H, Q, V <sup>(5)</sup>	Q	3252.8	157.4	-87.4	-8.5	63.5	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	3410.6	134.4	-142.7	-6.1	49.1						
		Pie	Cumple	Cumple	27.5	72.8	72.8	G, H, Q, V <sup>(5)</sup>	Q	3252.8	157.4	-87.4	-8.5	63.5	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	3410.6	134.4	-142.7	-6.1	49.1									
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	28.8	71.3	71.3	G, H, Q, V <sup>(6)</sup>	Q	3878.7	-154.3	97.9	-9.1	67.1	Cumple
		13.35 m	Cumple	Cumple	28.8	74.0	74.0	G, H, Q, V <sup>(3)</sup>	N,M	4050.4	-157.6	93.2	-6.7	49.5	Cumple
			G, H, Q, V <sup>(6)</sup>	Q,N,M	3909.2	215.2	-83.1	-9.1	67.1	Cumple					
		11.2 m	Cumple	Cumple	28.8	74.0	74.0	G, H, Q, V <sup>(6)</sup>	Q,N,M	3909.2	215.2	-83.1	-9.1	67.1	Cumple
		Pie	Cumple	Cumple	28.8	74.0	74.0	G, H, Q, V <sup>(6)</sup>	Q,N,M	3909.2	215.2	-83.1	-9.1	67.1	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	17.8	80.5	80.5	G, H, Q, V <sup>(5)</sup>	Q	4521.2	-273.7	185.3	-13.5	45.4	Cumple
		9.75 m	Cumple	Cumple	17.8	83.5	83.5	G, H, Q, V <sup>(3)</sup>	N,M	4711.4	-253.8	174.7	-9.0	34.8	Cumple
			G, H, Q, V <sup>(5)</sup>	Q	4568.0	258.8	-187.8	-13.5	45.4						
		5.85 m	Cumple	Cumple	17.8	83.5	83.5	G, H, Q, V <sup>(3)</sup>	N,M	4758.2	227.7	-249.1	-9.0	34.8	Cumple
			G, H, Q, V <sup>(5)</sup>	Q	4568.0	258.8	-187.8	-13.5	45.4						
		Pie	Cumple	Cumple	17.8	83.5	83.5	G, H, Q, V <sup>(3)</sup>	N,M	4758.2	227.7	-249.1	-9.0	34.8	Cumple
			G, H, Q, V <sup>(5)</sup>	Q	4568.0	258.8	-187.8	-13.5	45.4						
		G, H, Q, V <sup>(3)</sup>	N,M	4758.2	227.7	-249.1	-9.0	34.8							



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	14.6	90.0	90.0	G, H, Q, V <sup>(6)</sup>	Q	5402.1	-264.9	180.2	-11.9	38.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5610.0	-268.4	174.5	-8.5	28.8	
		4.4 m	Cumple	Cumple	14.6	95.4	95.4	G, H, Q, V <sup>(6)</sup>	Q	5448.9	300.8	-193.8	-11.9	38.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5656.9	266.7	-269.6	-8.5	29.6	
		0.5 m	Cumple	Cumple	14.6	95.4	95.4	G, H, Q, V <sup>(6)</sup>	Q	5448.9	300.8	-193.8	-11.9	38.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5656.9	266.7	-269.6	-8.5	29.6	
		Pie	Cumple	Cumple	14.6	95.4	95.4	G, H, Q, V <sup>(6)</sup>	Q	5448.9	300.8	-193.8	-11.9	38.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5656.9	266.7	-269.6	-8.5	29.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	52.9	55.8	55.8	G, H, Q, V <sup>(8)</sup>	Q	3619.5	-223.8	90.5	13.2	167.8	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3902.9	-216.0	92.0	28.1	147.3	
		-0.95 m	Cumple	Cumple	52.9	55.8	55.8	G, H, Q, V <sup>(8)</sup>	Q	3619.5	-223.8	90.5	13.2	167.8	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3902.9	-216.0	92.0	28.1	147.3	
		-3 m	Cumple	Cumple	35.8	23.2	35.8	G, H, Q, V <sup>(9)</sup>	Q	1836.2	9.9	-36.7	-5.6	113.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1911.4	14.0	38.2	1.0	102.8	
		Pie	Cumple	Cumple	25.9	19.8	25.9	G, H, Q, V <sup>(9)</sup>	Q	1399.1	72.7	-1.2	-5.4	74.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1491.7	64.6	0.0	0.2	62.9	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	19.8	19.8	G, H, Q, V <sup>(9)</sup>	Q	1399.1	72.7	-1.2	-5.4	74.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1491.7	64.6	0.0	0.2	62.9	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															

## 1.10. P10

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	28.7	43.9	43.9	G, H, Q, V <sup>(2)</sup>	Q	718.0	-84.7	-23.7	0.8	41.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	796.3	-86.9	-26.5	1.0	40.7	
		31.35 m	Cumple	Cumple	28.3	47.5	47.5	G, H, Q, V <sup>(2)</sup>	Q	735.2	96.0	24.1	0.8	41.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	813.3	95.1	28.3	1.8	40.4	
		29.2 m	Cumple	Cumple	28.3	47.5	47.5	G, H, Q, V <sup>(2)</sup>	Q	735.2	96.0	24.1	0.8	41.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	813.3	95.1	28.3	1.8	40.4	
		Pie	Cumple	Cumple	28.3	47.5	47.5	G, H, Q, V <sup>(2)</sup>	Q	735.2	96.0	24.1	0.8	41.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	813.3	95.1	28.3	1.8	40.4	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	37.4	54.7	54.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1337.2	-151.9	38.8	0.3	67.7	Cumple
		27.75 m	Cumple	Cumple	37.4	54.7	54.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1337.2	-151.9	38.8	0.3	67.7	Cumple
		25.6 m	Cumple	Cumple	37.4	54.7	54.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1337.2	-151.9	38.8	0.3	67.7	Cumple
		Pie	Cumple	Cumple	37.4	53.2	53.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1359.0	145.5	40.4	0.3	67.7	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	34.4	68.2	68.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1966.1	-171.5	59.6	-1.9	62.2	Cumple
		24.15 m	Cumple	Cumple	34.4	68.2	68.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1966.1	-171.5	59.6	-1.9	62.2	Cumple
		22 m	Cumple	Cumple	34.4	68.2	68.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1966.1	-171.5	59.6	-1.9	62.2	Cumple
		Pie	Cumple	Cumple	34.4	62.3	62.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1987.9	142.0	-58.1	-1.9	62.2	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	32.7	61.8	61.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	2608.4	-187.9	72.2	-2.5	76.1	Cumple
		20.55 m	Cumple	Cumple	32.7	62.6	62.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2635.3	193.1	-69.6	-2.5	76.1	Cumple
		18.4 m	Cumple	Cumple	32.7	62.6	62.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2635.3	193.1	-69.6	-2.5	76.1	Cumple
		Pie	Cumple	Cumple	32.7	62.6	62.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2635.3	193.1	-69.6	-2.5	76.1	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	29.6	72.8	72.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	3256.6	-203.8	83.0	-4.7	68.9	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3283.6	167.3	-79.5	-4.7	68.9	
		16.95 m	Cumple	Cumple	29.6	73.9	73.9	G, H, Q, V <sup>(3)</sup>	N,M	3437.6	142.2	-143.4	-2.2	53.1	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	3283.6	167.3	-79.5	-4.7	68.9	
		14.8 m	Cumple	Cumple	29.6	73.9	73.9	G, H, Q, V <sup>(3)</sup>	N,M	3437.6	142.2	-143.4	-2.2	53.1	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	3283.6	167.3	-79.5	-4.7	68.9	
		Pie	Cumple	Cumple	29.6	73.9	73.9	G, H, Q, V <sup>(2)</sup>	Q	3283.6	167.3	-79.5	-4.7	68.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3437.6	142.2	-143.4	-2.2	53.1	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	30.3	71.5	71.5	G, H, Q, V <sup>(5)</sup>	Q	3916.4	-163.1	90.2	-7.0	70.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4082.0	-158.5	85.0	-4.4	50.9	
		13.35 m	Cumple	Cumple	30.3	74.9	74.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	3946.8	219.2	-84.4	-7.0	70.9	Cumple
		11.2 m	Cumple	Cumple	30.3	74.9	74.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	3946.8	219.2	-84.4	-7.0	70.9	Cumple
		Pie	Cumple	Cumple	30.3	74.9	74.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	3946.8	219.2	-84.4	-7.0	70.9	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.4	81.5	81.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	4567.7	-283.3	188.5	-13.7	49.9	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	4614.5	272.0	-186.0	-13.7	49.9	Cumple
		9.75 m	Cumple	Cumple	19.4	84.5	84.5	G, H, Q, V <sup>(3)</sup>	N,M	4796.5	236.8	-250.0	-9.2	37.5	
								G, H, Q, V <sup>(2)</sup>	Q	4614.5	272.0	-186.0	-13.7	49.9	Cumple
		5.85 m	Cumple	Cumple	19.4	84.5	84.5	G, H, Q, V <sup>(3)</sup>	N,M	4796.5	236.8	-250.0	-9.2	37.5	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Pie	Cumple	Cumple	19.4	84.5	84.5	G, H, Q, V <sup>(2)</sup>	Q	4614.5	272.0	-186.0	-13.7	49.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4796.5	236.8	-250.0	-9.2	37.5	Cumple
		Cabeza	Cumple	Cumple	16.0	90.2	90.2	G, H, Q, V <sup>(5)</sup>	Q	5454.4	-265.8	174.7	-10.3	43.4	
								G, H, Q, V <sup>(3)</sup>	N,M	5653.1	-269.1	169.0	-6.9	32.6	Cumple
		4.4 m	Cumple	Cumple	16.0	95.5	95.5	G, H, Q, V <sup>(5)</sup>	Q	5501.2	315.0	-190.9	-10.3	43.4	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60							G, H, Q, V <sup>(6)</sup>	N,M	5673.0	265.6	-269.8	-3.0	30.2	Cumple
		0.5 m	Cumple	Cumple	16.0	95.5	95.5	G, H, Q, V <sup>(5)</sup>	Q	5501.2	315.0	-190.9	-10.3	43.4	
								G, H, Q, V <sup>(6)</sup>	N,M	5673.0	265.6	-269.8	-3.0	30.2	Cumple
		Pie	Cumple	Cumple	16.0	95.5	95.5	G, H, Q, V <sup>(5)</sup>	Q	5501.2	315.0	-190.9	-10.3	43.4	
								G, H, Q, V <sup>(6)</sup>	N,M	5673.0	265.6	-269.8	-3.0	30.2	Cumple
Sótano -3.80	60x60	Cabeza	Cumple	Cumple	51.3	54.1	54.1	G, H, Q, V <sup>(7)</sup>	Q	3365.4	-244.4	82.8	-1.0	163.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3628.8	-238.0	83.5	9.1	148.3	
		-0.95 m	Cumple	Cumple	51.3	54.1	54.1	G, H, Q, V <sup>(7)</sup>	Q	3365.4	-244.4	82.8	-1.0	163.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3628.8	-238.0	83.5	9.1	148.3	
		-3 m	Cumple	Cumple	34.4	23.4	34.4	G, H, Q, V <sup>(8)</sup>	Q	1842.8	9.3	-36.9	-7.8	109.3	Cumple
Sótano -3.80	60x60							G, H, Q, V <sup>(9)</sup>	N,M	1927.6	13.1	38.6	-1.6	97.4	Cumple
		Pie	Cumple	Cumple	25.9	19.9	25.9	G, H, Q, V <sup>(10)</sup>	Q	1289.9	70.2	-1.9	-7.6	70.6	
								G, H, Q, V <sup>(9)</sup>	N,M	1505.5	63.3	-0.3	-0.2	61.1	Cumple
		Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	19.9	19.9	G, H, Q, V <sup>(8)</sup>	Q	1400.7	73.1	-1.5	-5.9	73.4	
								G, H, Q, V <sup>(9)</sup>	N,M	1505.5	63.3	-0.3	-0.2	61.1	Cumple

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)

<sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)

<sup>(10)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.11. P11

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	28.9	43.7	43.7	G, H, Q, V <sup>(2)</sup>	Q	715.4	-85.0	22.4	-0.1	42.0	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	794.3	-87.3	-24.9	0.1	
		31.35 m	Cumple	Cumple	28.5	47.4	47.4	G, H, Q, V <sup>(2)</sup>	Q	732.6	96.4	-23.0	-0.1	42.0	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	811.5	96.3	25.4	0.1	
		29.2 m	Cumple	Cumple	28.5	47.4	47.4	G, H, Q, V <sup>(2)</sup>	Q	732.6	96.4	-23.0	-0.1	42.0	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	811.5	96.3	25.4	0.1	
		Pie	Cumple	Cumple	28.5	47.4	47.4	G, H, Q, V <sup>(2)</sup>	Q	732.6	96.4	-23.0	-0.1	42.0	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	811.5	96.3	25.4	0.1	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	38.0	55.6	55.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1331.3	-154.5	40.0	-0.6	68.8	Cumple
		27.75 m	Cumple	Cumple	38.0	55.6	55.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1331.3	-154.5	40.0	-0.6	68.8	Cumple
		25.6 m	Cumple	Cumple	38.0	55.6	55.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1331.3	-154.5	40.0	-0.6	68.8	Cumple
		Pie	Cumple	Cumple	38.0	53.2	53.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1353.0	146.3	-39.1	-0.6	68.8	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	35.7	69.3	69.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1957.3	-176.3	60.8	-2.7	64.6	Cumple
		24.15 m	Cumple	Cumple	35.7	69.3	69.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1957.3	-176.3	60.8	-2.7	64.6	Cumple
		22 m	Cumple	Cumple	35.7	69.3	69.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1957.3	-176.3	60.8	-2.7	64.6	Cumple
		Pie	Cumple	Cumple	35.7	62.7	62.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1979.1	144.9	-59.1	-2.7	64.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	34.0	62.6	62.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2597.4	-194.0	74.0	-4.0	79.3	Cumple
		20.55 m	Cumple	Cumple	34.0	63.2	63.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2624.3	197.0	-72.2	-4.0	79.3	Cumple
		18.4 m	Cumple	Cumple	34.0	63.2	63.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2624.3	197.0	-72.2	-4.0	79.3	Cumple
		Pie	Cumple	Cumple	34.0	63.2	63.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2624.3	197.0	-72.2	-4.0	79.3	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	31.1	73.4	73.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3243.7	-210.2	83.2	-3.8	72.5	Cumple
		16.95 m	Cumple	Cumple	31.1	73.4	73.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3243.7	-210.2	83.2	-3.8	72.5	Cumple
		14.8 m	Cumple	Cumple	31.1	73.4	73.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3243.7	-210.2	83.2	-3.8	72.5	Cumple
		Pie	Cumple	Cumple	31.1	72.8	72.8	G, H, Q, V <sup>(2)</sup>	Q	3270.6	172.4	-76.1	-3.8	72.5	Cumple
						G, H, Q, V <sup>(4)</sup>	N,M	3406.5	134.5	142.6	2.0	48.4			
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	30.6	71.1	71.1	G, H, Q, V <sup>(5)</sup>	Q	3903.9	-165.1	85.2	-5.5	71.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4066.1	-158.0	79.8	-3.0	50.2	
		13.35 m	Cumple	Cumple	30.6	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3934.3	219.9	-84.3	-5.5	71.8	Cumple
		11.2 m	Cumple	Cumple	30.6	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3934.3	219.9	-84.3	-5.5	71.8	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Pie	Cumple	Cumple	30.6	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	3934.3	219.9	-84.3	-5.5	71.8	Cumple
		Cabeza	Cumple	Cumple	20.9	82.1	82.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	4554.2	-292.0	190.5	-14.2	53.8	Cumple
		9.75 m	Cumple	Cumple	20.9	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	4601.0	282.7	-186.1	-14.2	53.8	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	4777.8	244.3	-249.5	-9.6	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	5.85 m	Cumple	Cumple	20.9	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	4601.0	282.7	-186.1	-14.2	53.8	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	4777.8	244.3	-249.5	-9.6	
		Pie	Cumple	Cumple	20.9	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	4601.0	282.7	-186.1	-14.2	53.8	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	4777.8	244.3	-249.5	-9.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	17.2	90.0	90.0	G, H, Q, V <sup>(5)</sup>	Q	5446.9	-265.7	173.4	-9.9	47.1	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	5640.7	-268.9	166.9	-6.2	
		4.4 m	Cumple	Cumple	17.2	95.4	95.4	G, H, Q, V <sup>(5)</sup>	Q	5493.7	327.6	-190.3	-9.9	47.1	Cumple
									G, H, Q, V <sup>(4)</sup>	N,M	5650.5	267.7	-269.5	-2.2	
		0.5 m	Cumple	Cumple	17.2	95.4	95.4	G, H, Q, V <sup>(5)</sup>	Q	5493.7	327.6	-190.3	-9.9	47.1	Cumple
									G, H, Q, V <sup>(4)</sup>	N,M	5650.5	267.7	-269.5	-2.2	
		Pie	Cumple	Cumple	17.2	95.4	95.4	G, H, Q, V <sup>(5)</sup>	Q	5493.7	327.6	-190.3	-9.9	47.1	Cumple
									G, H, Q, V <sup>(4)</sup>	N,M	5650.5	267.7	-269.5	-2.2	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	52.1	54.3	54.3	G, H, Q, V <sup>(6)</sup>	Q	3362.5	-250.1	84.4	-11.4	165.5	Cumple
									G, H, Q, V <sup>(7)</sup>	N,M	3625.6	-241.7	84.9	-1.7	
		-0.95 m	Cumple	Cumple	52.1	54.3	54.3	G, H, Q, V <sup>(6)</sup>	Q	3362.5	-250.1	84.4	-11.4	165.5	Cumple
									G, H, Q, V <sup>(7)</sup>	N,M	3625.6	-241.7	84.9	-1.7	
		-3 m	Cumple	Cumple	34.7	23.4	34.7	G, H, Q, V <sup>(7)</sup>	Q	1841.4	9.8	-36.8	-3.4	110.3	Cumple
									G, H, Q, V <sup>(8)</sup>	N,M	1929.9	13.3	38.6	3.1	
		Pie	Cumple	Cumple	26.8	19.8	26.8	G, H, Q, V <sup>(9)</sup>	Q	1274.7	73.3	-2.3	-9.5	72.2	Cumple
									G, H, Q, V <sup>(8)</sup>	N,M	1501.2	63.5	-0.7	-2.1	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	19.8	19.8	G, H, Q, V <sup>(7)</sup>	Q	1387.9	75.6	-2.0	-7.8	74.4	Cumple
									G, H, Q, V <sup>(8)</sup>	N,M	1501.2	63.5	-0.7	-2.1	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
(1) La comprobación no procede														
(2) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (+Yexc. +)$														
(3) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.5 \cdot Qa + 0.9 \cdot V (+Yexc. +)$														
(4) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.5 \cdot Qa + 0.9 \cdot V (+Yexc. -)$														
(5) $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.05 \cdot Qa + 1.5 \cdot V (+Yexc. +)$														
(6) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (-Yexc. +)$														
(7) $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.5 \cdot Qa + 0.9 \cdot V (-Yexc. +)$														
(8) $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.5 \cdot Qa + 0.9 \cdot V (+Yexc. +)$														
(9) $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.05 \cdot Qa + 1.5 \cdot V (-Yexc. +)$														



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.12. P12

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	29.2	44.6	44.6	G, H, Q, V <sup>(2)</sup>	Q	721.3	-86.8	-23.4	1.1	42.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	799.5	-88.8	-26.2	1.4	41.6						
		31.35 m	Cumple	Cumple	28.9	48.2	48.2	G, H, Q, V <sup>(2)</sup>	Q	738.5	97.1	25.7	1.1	42.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	816.7	96.7	28.6	1.4	41.6						
		29.2 m	Cumple	Cumple	28.9	48.2	48.2	G, H, Q, V <sup>(2)</sup>	Q	738.5	97.1	25.7	1.1	42.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	816.7	96.7	28.6	1.4	41.6						
		Pie	Cumple	Cumple	28.9	48.2	48.2	G, H, Q, V <sup>(2)</sup>	Q	738.5	97.1	25.7	1.1	42.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	816.7	96.7	28.6	1.4	41.6						
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	37.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1340.2	-154.7	-43.7	3.5	68.5	Cumple
		27.75 m	Cumple	Cumple	37.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1340.2	-154.7	-43.7	3.5	68.5	Cumple
		25.6 m	Cumple	Cumple	37.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1340.2	-154.7	-43.7	3.5	68.5	Cumple
		Pie	Cumple	Cumple	37.9	54.0	54.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1362.0	145.5	45.4	3.5	68.5	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	36.7	69.8	69.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1970.6	-180.6	55.7	0.5	66.5	Cumple
		24.15 m	Cumple	Cumple	36.7	69.8	69.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1970.6	-180.6	55.7	0.5	66.5	Cumple
		22 m	Cumple	Cumple	36.7	69.8	69.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1970.6	-180.6	55.7	0.5	66.5	Cumple
		Pie	Cumple	Cumple	36.7	63.2	63.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1992.4	147.3	57.6	0.5	66.5	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	35.2	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2616.6	-199.7	67.4	0.4	82.1	Cumple
		20.55 m	Cumple	Cumple	35.2	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2643.5	201.0	68.9	0.4	82.1	Cumple
		18.4 m	Cumple	Cumple	35.2	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2643.5	201.0	68.9	0.4	82.1	Cumple
		Pie	Cumple	Cumple	35.2	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2643.5	201.0	68.9	0.4	82.1	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	33.0	74.4	74.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3270.5	-218.0	78.1	-1.2	77.1	Cumple
		16.95 m	Cumple	Cumple	33.0	74.4	74.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3270.5	-218.0	78.1	-1.2	77.1	Cumple
		14.8 m	Cumple	Cumple	33.0	74.4	74.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3270.5	-218.0	78.1	-1.2	77.1	Cumple
		Pie	Cumple	Cumple	33.0	73.1	73.1	G, H, Q, V <sup>(2)</sup>	Q	3297.4	179.9	74.3	-1.2	77.1	Cumple
G, H, Q, V <sup>(4)</sup>	N,M	3423.0	135.7	143.0	4.7	49.0									
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	32.2	71.5	71.5	G, H, Q, V <sup>(5)</sup>	Q	3938.8	-171.8	85.0	-5.2	75.5	Cumple
		G, H, Q, V <sup>(3)</sup>	N,M	4094.1	-158.8	79.6	-2.6	52.4							
		13.35 m	Cumple	Cumple	32.2	75.7	75.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3969.2	225.9	-84.1	-5.2	75.5	Cumple
		11.2 m	Cumple	Cumple	32.2	75.7	75.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3969.2	225.9	-84.1	-5.2	75.5	Cumple
		Pie	Cumple	Cumple	32.2	75.7	75.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3969.2	225.9	-84.1	-5.2	75.5	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	22.2	83.1	83.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	4594.6	-303.0	185.9	-11.2	58.1	Cumple
		9.75 m	Cumple	Cumple	22.2	85.5	85.5	G, H, Q, V <sup>(2)</sup>	Q	4641.4	293.9	-176.7	-11.2	58.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	4809.5	250.0	-250.3	-6.6	42.8						
		5.85 m	Cumple	Cumple	22.2	85.5	85.5	G, H, Q, V <sup>(2)</sup>	Q	4641.4	293.9	-176.7	-11.2	58.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	4809.5	250.0	-250.3	-6.6	42.8						
		Pie	Cumple	Cumple	22.2	85.5	85.5	G, H, Q, V <sup>(6)</sup>	Q	4641.4	293.9	-176.7	-11.2	58.1	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	18.1	90.0	90.0	G, H, Q, V <sup>(5)</sup>	Q	5492.0	-266.5	162.8	-6.7	50.2	Cumple
		G, H, Q, V <sup>(3)</sup>	N,M	5673.2	-269.4	156.5	-3.1	37.3							
		4.4 m	Cumple	Cumple	18.1	94.6	94.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5538.8	338.8	-184.6	-6.7	50.2	Cumple
		0.5 m	Cumple	Cumple	18.1	94.6	94.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5538.8	338.8	-184.6	-6.7	50.2	Cumple
		Pie	Cumple	Cumple	18.1	94.6	94.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5538.8	338.8	-184.6	-6.7	50.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	52.9	54.4	54.4	G, H, Q, V <sup>(7)</sup>	Q	3356.9	-253.5	84.8	-17.6	167.4	Cumple
			G, H, Q, V <sup>(8)</sup>	N,M	3625.2	-243.3	85.5	-8.6	149.9						
		-0.95 m	Cumple	Cumple	52.9	54.4	54.4	G, H, Q, V <sup>(7)</sup>	Q	3356.9	-253.5	84.8	-17.6	167.4	Cumple
			G, H, Q, V <sup>(8)</sup>	N,M	3625.2	-243.3	85.5	-8.6	149.9						
		-3 m	Cumple	Cumple	34.2	23.5	34.2	G, H, Q, V <sup>(8)</sup>	Q	1840.7	9.6	-36.8	-5.0	108.8	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	1941.5	13.1	38.8	1.4	93.6						
		Pie	Cumple	Cumple	27.1	19.9	27.1	G, H, Q, V <sup>(9)</sup>	Q	1266.3	73.9	-1.9	-8.2	73.0	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	1512.7	61.6	-0.3	-0.9	59.2						
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	19.9	19.9	G, H, Q, V <sup>(8)</sup>	Q	1384.4	75.6	-1.5	-6.5	74.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1512.7	61.6	-0.3	-0.9	59.2	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)

<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-)





# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.13. P13

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>es</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	30.0	44.2	44.2	G, H, Q, V <sup>(2)</sup>	Q	714.3	-86.3	23.1	-0.1	43.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	793.2	-88.5	25.4	0.1	42.6	
		31.35 m	Cumple	Cumple	29.6	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	731.6	99.8	23.4	-0.1	43.4	Cumple
		29.2 m	Cumple	Cumple	29.6	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	731.6	99.8	23.4	-0.1	43.4	Cumple
		Pie	Cumple	Cumple	29.6	49.1	49.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	731.6	99.8	23.4	-0.1	43.4	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	41.4	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1335.5	-166.5	-41.0	1.9	75.0	Cumple
		27.75 m	Cumple	Cumple	41.4	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1335.5	-166.5	-41.0	1.9	75.0	Cumple
		25.6 m	Cumple	Cumple	41.4	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1335.5	-166.5	-41.0	1.9	75.0	Cumple
		Pie	Cumple	Cumple	41.4	56.1	56.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1357.3	154.6	42.6	1.9	75.0	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	40.5	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1969.9	-192.6	58.0	-0.9	73.4	Cumple
		24.15 m	Cumple	Cumple	40.5	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1969.9	-192.6	58.0	-0.9	73.4	Cumple
		22 m	Cumple	Cumple	40.5	72.7	72.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1969.9	-192.6	58.0	-0.9	73.4	Cumple
		Pie	Cumple	Cumple	40.5	64.9	64.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1991.7	157.4	-56.4	-0.9	73.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	39.3	65.4	65.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	2621.7	-216.4	69.5	-0.7	91.7	Cumple
		20.55 m	Cumple	Cumple	39.3	65.5	65.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2648.6	215.5	67.4	-0.7	91.7	Cumple
		18.4 m	Cumple	Cumple	39.3	65.5	65.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2648.6	215.5	67.4	-0.7	91.7	Cumple
		Pie	Cumple	Cumple	39.3	65.5	65.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2648.6	215.5	67.4	-0.7	91.7	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	36.6	76.7	76.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3281.6	-233.0	81.0	-3.6	85.4	Cumple
		16.95 m	Cumple	Cumple	36.6	76.7	76.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3281.6	-233.0	81.0	-3.6	85.4	Cumple
		14.8 m	Cumple	Cumple	36.6	76.7	76.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3281.6	-233.0	81.0	-3.6	85.4	Cumple
		Pie	Cumple	Cumple	36.6	73.7	73.7	G, H, Q, V <sup>(2)</sup>	Q	3308.5	191.9	-78.2	-3.6	85.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3424.5	142.4	143.1	1.6	53.5	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	33.7	71.8	71.8	G, H, Q, V <sup>(5)</sup>	Q	3953.0	-178.6	89.5	-6.2	79.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4102.6	-159.0	84.2	-3.5	54.2	
		13.35 m	Cumple	Cumple	33.7	76.3	76.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3983.4	230.4	-83.2	-6.2	79.0	Cumple
		11.2 m	Cumple	Cumple	33.7	76.3	76.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3983.4	230.4	-83.2	-6.2	79.0	Cumple
		Pie	Cumple	Cumple	33.7	76.3	76.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3983.4	230.4	-83.2	-6.2	79.0	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	23.3	83.8	83.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	4611.3	-311.2	182.5	-10.1	61.3	Cumple
		9.75 m	Cumple	Cumple	23.3	83.8	83.8	G, H, Q, V <sup>(2)</sup>	Q	4658.1	302.0	-174.7	-10.1	61.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4768.8	230.3	249.3	-0.4	36.1	
		5.85 m	Cumple	Cumple	23.3	83.8	83.8	G, H, Q, V <sup>(2)</sup>	Q	4658.1	302.0	-174.7	-10.1	61.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4768.8	230.3	249.3	-0.4	36.1	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.1	90.1	90.1	G, H, Q, V <sup>(5)</sup>	Q	5510.4	-266.8	162.5	-6.6	52.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5683.4	-269.5	-156.5	-3.0	39.9	
		4.4 m	Cumple	Cumple	19.1	95.6	95.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5557.2	349.8	-184.4	-6.6	52.8	Cumple
		0.5 m	Cumple	Cumple	19.1	95.6	95.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5557.2	349.8	-184.4	-6.6	52.8	Cumple
		Pie	Cumple	Cumple	19.1	95.6	95.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	5557.2	349.8	-184.4	-6.6	52.8	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	55.1	54.9	55.1	G, H, Q, V <sup>(7)</sup>	Q	3362.0	-262.3	84.5	-21.5	173.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3632.7	-250.5	85.1	-13.0	155.4	
		-0.95 m	Cumple	Cumple	55.1	51.1	55.1	G, H, Q, V <sup>(7)</sup>	Q	3368.3	-171.1	-80.0	-21.5	173.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3786.4	-157.8	84.4	12.5	107.9	
		-0.975 m	Cumple	Cumple	55.1	51.1	55.1	G, H, Q, V <sup>(7)</sup>	Q	3368.3	-171.1	-80.0	-21.5	173.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3786.4	-157.8	84.4	12.5	107.9	
		-3 m	Cumple	Cumple	35.4	23.5	35.4	G, H, Q, V <sup>(6)</sup>	Q	1834.7	9.4	-36.7	-8.3	112.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1942.1	12.5	38.8	-2.2	95.4	
		Pie	Cumple	Cumple	28.8	19.9	28.8	G, H, Q, V <sup>(9)</sup>	Q	1257.0	77.2	-1.6	-7.1	77.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1518.5	61.8	0.0	0.4	60.7	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.7	19.9	19.9	G, H, Q, V <sup>(9)</sup>	Q	1257.0	77.2	-1.6	-7.1	77.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1518.5	61.8	0.0	0.4	60.7	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)

<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.14. P14

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	32.2	47.3	47.3	G, H, Q, V <sup>(2)</sup>	Q	732.8	-93.2	24.9	-1.1	47.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	811.3	-95.2	27.0	-0.9	46.3	
		31.35 m	Cumple	Cumple	31.8	52.7	52.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	750.0	106.6	-24.8	-1.1	47.3	
		29.2 m	Cumple	Cumple	31.8	52.7	52.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	750.0	106.6	-24.8	-1.1	47.3	
		Pie	Cumple	Cumple	31.8	52.7	52.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	750.0	106.6	-24.8	-1.1	47.3	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	43.9	61.7	61.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1361.8	-175.2	40.5	-0.4	79.6	Cumple
		27.75 m	Cumple	Cumple	43.9	61.7	61.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1361.8	-175.2	40.5	-0.4	79.6	Cumple
		25.6 m	Cumple	Cumple	43.9	61.7	61.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1361.8	-175.2	40.5	-0.4	79.6	Cumple
		Pie	Cumple	Cumple	43.9	58.0	58.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1383.6	162.3	40.0	-0.4	79.6	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	43.9	76.1	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2005.6	-204.3	61.2	-2.5	79.4	Cumple
		24.15 m	Cumple	Cumple	43.9	76.1	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2005.6	-204.3	61.2	-2.5	79.4	Cumple
		22 m	Cumple	Cumple	43.9	76.1	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2005.6	-204.3	61.2	-2.5	79.4	Cumple
		Pie	Cumple	Cumple	43.9	67.8	67.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	2027.4	166.5	-59.5	-2.5	79.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	42.7	68.1	68.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2668.6	-230.8	73.9	-3.1	99.6	Cumple
		20.55 m	Cumple	Cumple	42.7	68.1	68.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2668.6	-230.8	73.9	-3.1	99.6	Cumple
		18.4 m	Cumple	Cumple	42.7	68.1	68.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2668.6	-230.8	73.9	-3.1	99.6	Cumple
		Pie	Cumple	Cumple	42.7	67.9	67.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2695.5	228.2	-71.3	-3.1	99.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	40.7	79.7	79.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3342.2	-248.9	85.4	-6.1	94.6	Cumple
		16.95 m	Cumple	Cumple	40.7	79.7	79.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3342.2	-248.9	85.4	-6.1	94.6	Cumple
		14.8 m	Cumple	Cumple	40.7	79.7	79.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	3342.2	-248.9	85.4	-6.1	94.6	Cumple
		Pie	Cumple	Cumple	40.7	74.8	74.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	3369.1	207.0	-82.8	-6.1	94.6	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	37.6	74.0	74.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	4027.7	-194.5	90.6	-5.0	88.4	Cumple
		13.35 m	Cumple	Cumple	37.6	78.6	78.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4058.1	246.1	-79.0	-5.0	88.4	Cumple
		11.2 m	Cumple	Cumple	37.6	78.6	78.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4058.1	246.1	-79.0	-5.0	88.4	Cumple
		Pie	Cumple	Cumple	37.6	78.6	78.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4058.1	246.1	-79.0	-5.0	88.4	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	25.4	85.9	85.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	4698.2	-326.8	181.2	-10.5	66.9	Cumple
		9.75 m	Cumple	Cumple	25.4	85.9	85.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	4698.2	-326.8	181.2	-10.5	66.9	Cumple
		5.85 m	Cumple	Cumple	25.4	85.9	85.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	4698.2	-326.8	181.2	-10.5	66.9	Cumple
		Pie	Cumple	Cumple	25.4	85.5	85.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	4745.0	315.3	-179.0	-10.5	66.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.0	91.3	91.3	G, H, Q, V <sup>(4)</sup>	Q	5591.4	-268.1	169.3	-8.8	55.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5757.3	-270.6	163.3	-5.3	40.7	
		4.4 m	Cumple	Cumple	20.0	97.0	97.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	5638.2	358.6	-187.8	-8.8	55.2	
		0.5 m	Cumple	Cumple	20.0	97.0	97.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	5638.2	358.6	-187.8	-8.8	55.2	
		Pie	Cumple	Cumple	20.0	97.0	97.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	5638.2	358.6	-187.8	-8.8	55.2	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	55.5	54.8	55.5	G, H, Q, V <sup>(5)</sup>	Q	3365.0	-260.1	85.0	-29.2	174.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3641.8	-246.5	85.6	-21.3	154.6	
		-0.95 m	Cumple	Cumple	55.5	51.4	55.5	G, H, Q, V <sup>(5)</sup>	Q	3371.2	-168.7	-83.7	-29.2	174.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3807.6	-158.5	-84.7	3.3	103.3	
		-0.975 m	Cumple	Cumple	55.5	51.4	55.5	G, H, Q, V <sup>(5)</sup>	Q	3371.2	-168.7	-83.7	-29.2	174.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3807.6	-158.5	-84.7	3.3	103.3	
		-3 m	Cumple	Cumple	35.7	23.7	35.7	G, H, Q, V <sup>(6)</sup>	Q	1840.1	9.4	-36.8	-6.1	113.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1957.3	12.3	-39.1	0.4	94.9	
								G, H, Q, V <sup>(8)</sup>	Q	1262.2	76.6	-1.3	-6.7	76.9	Cumple
		Pie	Cumple	Cumple	28.5	20.1	28.5	G, H, Q, V <sup>(7)</sup>	N,M	1542.8	58.8	0.3	0.5	58.2	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.7	20.1	20.1	G, H, Q, V <sup>(8)</sup>	Q	1262.2	76.6	-1.3	-6.7	76.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1542.8	58.8	0.3	0.5	58.2	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot H1 + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$

<sup>(3)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot H1 + 1.5 \cdot Qa + 0.9 \cdot V(+Yexc. +)$

<sup>(4)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + H1 + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$

<sup>(5)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot H1 + 1.05 \cdot Qa + 1.5 \cdot V(-Yexc. +)$

<sup>(6)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + H1 + 1.5 \cdot Qa + 0.9 \cdot V(-Yexc. +)$

<sup>(7)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + H1 + 1.5 \cdot Qa + 0.9 \cdot V(-Yexc. +)$

<sup>(8)</sup>  $1.35 \cdot PP + 1.35 \cdot CM + H1 + 1.05 \cdot Qa + 1.5 \cdot V(-Yexc. +)$



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.15. P15

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>es</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	32.0	48.5	48.5	G, H, Q, V <sup>(2)</sup>	Q	754.0	-93.0	28.9	-2.5	47.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	836.7	-94.8	32.6	-3.0	46.4	
		31.35 m	Cumple	Cumple	32.0	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	771.3	108.5	-26.5	-2.5	47.4	
		29.2 m	Cumple	Cumple	32.0	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	771.3	108.5	-26.5	-2.5	47.4	
		Pie	Cumple	Cumple	32.0	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	771.3	108.5	-26.5	-2.5	47.4	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	46.1	64.5	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1394.6	-183.8	-42.2	1.3	83.5	Cumple
		27.75 m	Cumple	Cumple	46.1	64.5	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1394.6	-183.8	-42.2	1.3	83.5	
		25.6 m	Cumple	Cumple	46.1	64.5	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1394.6	-183.8	-42.2	1.3	83.5	
		Pie	Cumple	Cumple	46.1	60.3	60.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1416.4	168.3	42.9	1.3	83.5	
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	46.3	78.7	78.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2051.1	-213.0	61.6	-2.3	83.8	Cumple
		24.15 m	Cumple	Cumple	46.3	78.7	78.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2051.1	-213.0	61.6	-2.3	83.8	
		22 m	Cumple	Cumple	46.3	78.7	78.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2051.1	-213.0	61.6	-2.3	83.8	
		Pie	Cumple	Cumple	46.3	69.8	69.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	2072.9	173.2	-59.8	-2.3	83.8	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	44.9	70.1	70.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2726.9	-241.5	72.3	-1.1	104.8	Cumple
		20.55 m	Cumple	Cumple	44.9	70.1	70.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2726.9	-241.5	72.3	-1.1	104.8	
		18.4 m	Cumple	Cumple	44.9	70.1	70.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2726.9	-241.5	72.3	-1.1	104.8	
		Pie	Cumple	Cumple	44.9	69.5	69.5	G, H, Q, V <sup>(2)</sup>	Q	2753.8	235.9	69.0	-1.1	104.8	
								G, H, Q, V <sup>(4)</sup>	N,M	2753.8	235.9	69.0	-1.1	104.8	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	43.1	81.6	81.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	3409.6	-258.7	81.2	-3.8	100.4	Cumple
		16.95 m	Cumple	Cumple	43.1	81.6	81.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	3409.6	-258.7	81.2	-3.8	100.4	
		14.8 m	Cumple	Cumple	43.1	81.6	81.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	3409.6	-258.7	81.2	-3.8	100.4	
		Pie	Cumple	Cumple	43.1	76.6	76.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	3436.5	216.7	-80.2	-3.8	100.4	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	40.2	75.9	75.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	4107.8	-204.7	88.5	-3.1	94.5	Cumple
		13.35 m	Cumple	Cumple	40.2	80.6	80.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4138.2	256.3	78.4	-3.1	94.5	
		11.2 m	Cumple	Cumple	40.2	80.6	80.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4138.2	256.3	78.4	-3.1	94.5	
		Pie	Cumple	Cumple	40.2	80.6	80.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	4138.2	256.3	78.4	-3.1	94.5	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	26.9	87.7	87.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4792.7	-338.4	178.7	-9.5	70.9	Cumple
		9.75 m	Cumple	Cumple	26.9	87.7	87.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4792.7	-338.4	178.7	-9.5	70.9	
		5.85 m	Cumple	Cumple	26.9	87.7	87.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4792.7	-338.4	178.7	-9.5	70.9	
		Pie	Cumple	Cumple	26.9	87.1	87.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	4839.5	324.3	-176.8	-9.5	70.9	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.5	92.3	92.3	G, H, Q, V <sup>(4)</sup>	Q	5685.4	-269.5	167.4	-8.3	56.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5850.4	-271.8	161.0	-4.8	41.3	
		4.4 m	Cumple	Cumple	20.5	98.5	98.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	5732.2	365.9	-186.4	-8.3	56.6	
		0.5 m	Cumple	Cumple	20.5	98.5	98.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	5732.2	365.9	-186.4	-8.3	56.6	
		Pie	Cumple	Cumple	20.5	98.5	98.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	5732.2	365.9	-186.4	-8.3	56.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	56.3	55.0	56.3	G, H, Q, V <sup>(5)</sup>	Q	3384.3	-260.3	83.8	-30.4	176.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3670.9	-245.2	84.3	-22.8	155.7	
		-0.95 m	Cumple	Cumple	56.3	52.0	56.3	G, H, Q, V <sup>(5)</sup>	Q	3390.6	-167.9	-86.0	-30.4	176.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3848.6	-159.8	-88.2	1.4	101.3	
		-0.975 m	Cumple	Cumple	56.3	52.0	56.3	G, H, Q, V <sup>(5)</sup>	Q	3390.6	-167.9	-86.0	-30.4	176.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3848.6	-159.8	-88.2	1.4	101.3	
		-3 m	Cumple	Cumple	35.9	24.1	35.9	G, H, Q, V <sup>(6)</sup>	Q	1860.1	11.1	-37.2	-6.2	114.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1988.7	13.2	39.8	0.0	93.7	
		Pie	Cumple	Cumple	27.6	20.2	27.6	G, H, Q, V <sup>(8)</sup>	Q	1268.5	76.8	-1.6	-6.7	74.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1570.6	56.3	-0.1	0.4	54.1	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	20.2	20.2	G, H, Q, V <sup>(8)</sup>	Q	1268.5	76.8	-1.6	-6.7	74.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1570.6	56.3	-0.1	0.4	54.1	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.16. P16

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	43.5	44.7	44.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	612.9	-63.6	-67.4	43.5	42.3	Cumple
		Pie	Cumple	Cumple	42.9	51.0	51.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	630.1	73.7	74.0	43.5	42.3	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	48.3	70.1	70.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1058.7	-156.9	-117.1	54.2	71.7	Cumple
		Pie	Cumple	Cumple	48.3	64.9	64.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1080.5	137.6	120.6	54.2	71.7	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	49.0	77.6	77.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	1570.9	-190.2	-122.1	45.0	79.1	Cumple
		Pie	Cumple	Cumple	49.0	68.1	68.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1592.7	157.9	115.1	45.0	79.1	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	21.4 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.2	68.1	68.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1592.7	157.9	115.1	45.0	79.1	Cumple
		Cabeza	Cumple	Cumple	34.1	61.6	61.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2096.6	-197.8	-115.7	29.0	69.6	Cumple
		Pie	Cumple	Cumple	34.1	51.6	51.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2123.5	141.6	91.6	29.0	69.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	Cabeza	Cumple	Cumple	37.1	53.1	53.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2646.7	-195.1	-81.3	21.7	92.0	Cumple
		Pie	Cumple	Cumple	37.1	58.6	58.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2677.1	229.3	114.7	21.7	92.0	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	47.9	68.3	68.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3199.6	-245.4	-156.2	57.5	107.9	Cumple
		Pie	Cumple	Cumple	47.9	69.6	69.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	3230.0	245.7	171.1	57.5	107.9	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	27.8	82.0	82.0	G, H, Q, V <sup>(4)</sup>	Q	3742.2	-308.1	-184.1	18.5	68.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3742.3	-308.1	-184.1	18.5	68.4	
		Pie	Cumple	Cumple	27.8	83.5	83.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	3789.0	314.7	189.4	18.5	68.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	26.1	66.9	66.9	G, H, Q, V <sup>(3)</sup>	Q	4534.5	-301.9	-251.2	13.7	89.6	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	4609.8	-276.9	-262.6	20.1	63.5	
		Pie	Cumple	Cumple	26.1	77.6	77.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	4594.1	509.5	-183.8	13.7	89.6	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	83.6	37.4	83.6	G, H, Q, V <sup>(3)</sup>	Q	3183.1	112.9	0.3	96.3	-274.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3183.4	113.7	0.4	95.3	-272.7	
		-0.95 m	Cumple	Cumple	83.6	37.4	83.6	G, H, Q, V <sup>(3)</sup>	Q	3183.1	112.9	0.3	96.3	-274.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3183.4	113.7	0.4	95.3	-272.7	
		Pie	Cumple	Cumple	14.6	12.2	14.6	G, H, V <sup>(5)</sup>	Q	453.2	-11.4	-4.4	-3.3	-31.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1096.5	9.0	21.9	4.7	26.6	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.7	12.2	12.2	G, H, V <sup>(5)</sup>	Q	453.2	-11.4	-4.4	-3.3	-31.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1096.5	9.0	21.9	4.7	26.6	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(5)</sup> PP+CM+1.35·H1+1.5·V(-Yexc.-)															

## 1.17. P17

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 40	Cabeza	Cumple	Cumple	27.0	53.6	53.6	G, H, Q, V <sup>(2)</sup>	Q	713.1	43.3	52.0	-20.4	-17.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	798.0	38.4	60.9	-24.0	-10.8	
		31.35 m	Cumple	Cumple	27.0	60.4	60.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	726.6	-56.6	-59.9	-20.4	-17.3	Cumple
		29.2 m	Cumple	Cumple	27.0	60.4	60.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	726.6	-56.6	-59.9	-20.4	-17.3	Cumple
		Pie	Cumple	Cumple	27.0	60.4	60.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	726.6	-56.6	-59.9	-20.4	-17.3	Cumple
P. séptima +28.70 (25 - 28.6 m)	Diámetro 45	Cabeza	Cumple	Cumple	47.7	75.6	75.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1263.9	-107.6	94.2	-35.7	43.0	Cumple
		27.75 m	Cumple	Cumple	47.7	75.6	75.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1263.9	-107.6	94.2	-35.7	43.0	Cumple
		25.6 m	Cumple	Cumple	47.7	75.6	75.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1263.9	-107.6	94.2	-35.7	43.0	Cumple
		Pie	Cumple	Cumple	47.7	75.3	75.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1281.0	104.0	-96.8	-35.7	43.0	Cumple
P. sexta +25.10 (21.4 - 25 m)	Diámetro 45	Cabeza	Cumple	Cumple	37.7	82.1	82.1	G, H, Q, V <sup>(4)</sup>	Q	1822.6	-103.3	99.6	-27.8	34.3	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1834.4	103.9	99.0	-27.4	-34.4	
		24.15 m	Cumple	Cumple	37.7	82.1	82.1	G, H, Q, V <sup>(4)</sup>	Q	1822.6	-103.3	99.6	-27.8	34.3	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1834.4	103.9	99.0	-27.4	-34.4	
		22 m	Cumple	Cumple	37.7	82.1	82.1	G, H, Q, V <sup>(4)</sup>	Q	1822.6	-103.3	99.6	-27.8	34.3	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1834.4	103.9	99.0	-27.4	-34.4	
		Pie	Cumple	Cumple	37.7	78.8	78.8	G, H, Q, V <sup>(4)</sup>	Q	1839.7	101.3	-87.9	-27.8	34.3	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1851.5	-101.2	-87.6	-27.4	-34.4	Cumple



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 50	Cabeza	Cumple	Cumple	34.5	75.9	75.9	G, H, Q, V <sup>(4)</sup>	Q	2387.3	-131.6	99.6	-29.6	46.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2571.2	-108.2	107.4	-33.5	14.1	
		20.55 m	Cumple	Cumple	34.5	76.8	76.8	G, H, Q, V <sup>(4)</sup>	Q	2408.5	130.8	-107.2	-29.6	46.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2408.5	130.8	-107.2	-29.6	46.7	
		18.4 m	Cumple	Cumple	34.5	76.8	76.8	G, H, Q, V <sup>(4)</sup>	Q	2408.5	130.8	-107.2	-29.6	46.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2408.5	130.8	-107.2	-29.6	46.7	
		Pie	Cumple	Cumple	34.5	76.8	76.8	G, H, Q, V <sup>(4)</sup>	Q	2408.5	130.8	-107.2	-29.6	46.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2408.5	130.8	-107.2	-29.6	46.7	
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 50	Cabeza	Cumple	Cumple	34.4	91.0	91.0	G, H, Q, V <sup>(6)</sup>	Q	2949.6	-128.1	117.7	-34.8	42.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3172.7	122.4	122.0	-37.4	-10.3	
		16.95 m	Cumple	Cumple	34.4	91.0	91.0	G, H, Q, V <sup>(6)</sup>	Q	2949.6	-128.1	117.7	-34.8	42.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3172.7	122.4	122.0	-37.4	-10.3	
		14.8 m	Cumple	Cumple	34.4	91.0	91.0	G, H, Q, V <sup>(6)</sup>	Q	2949.6	-128.1	117.7	-34.8	42.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3172.7	122.4	122.0	-37.4	-10.3	
		Pie	Cumple	Cumple	34.4	89.3	89.3	G, H, Q, V <sup>(6)</sup>	Q	2970.7	127.9	-112.5	-34.8	42.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3198.1	-102.6	-122.9	-38.0	-25.7	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 50	Cabeza	Cumple	Cumple	41.4	98.3	98.3	G, H, Q, V <sup>(4)</sup>	Q	3518.0	-139.0	131.0	-48.0	51.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3783.8	137.3	135.4	-52.0	-24.2	
		13.35 m	Cumple	Cumple	41.4	99.1	99.1	G, H, Q, V <sup>(4)</sup>	Q	3539.1	153.7	-149.4	-48.0	51.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3785.9	120.8	-156.7	-52.4	33.1	
		11.2 m	Cumple	Cumple	41.4	99.1	99.1	G, H, Q, V <sup>(4)</sup>	Q	3539.1	153.7	-149.4	-48.0	51.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3785.9	120.8	-156.7	-52.4	33.1	
		Pie	Cumple	Cumple	41.4	99.1	99.1	G, H, Q, V <sup>(4)</sup>	Q	3539.1	153.7	-149.4	-48.0	51.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3785.9	120.8	-156.7	-52.4	33.1	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 50	Cabeza	Cumple	Cumple	8.2	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4065.1	-213.9	171.2	-7.7	15.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4394.2	219.7	186.8	-13.9	-1.7	
		9.75 m	Cumple	Cumple	8.2	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4065.1	-213.9	171.2	-7.7	15.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4394.2	219.7	186.8	-13.9	-1.7	
		5.85 m	Cumple	Cumple	8.2	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4065.1	-213.9	171.2	-7.7	15.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4394.2	219.7	186.8	-13.9	-1.7	
		Pie	Cumple	Cumple	8.2	96.9	96.9	G, H, Q, V <sup>(6)</sup>	Q	4097.6	173.6	214.5	-7.7	15.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4377.5	157.1	-219.5	-8.4	9.8	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	13.2	77.5	77.5	G, H, V <sup>(11)</sup>	Q	4103.0	-244.0	-252.3	12.7	39.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5133.1	-228.3	-283.6	6.4	25.4	
		4.4 m	Cumple	Cumple	13.2	79.7	79.7	G, H, V <sup>(11)</sup>	Q	4162.6	296.8	-185.2	12.7	39.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5192.7	260.7	-285.0	6.4	25.4	
		0.5 m	Cumple	Cumple	13.2	79.7	79.7	G, H, V <sup>(11)</sup>	Q	4162.6	296.8	-185.2	12.7	39.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5192.7	260.7	-285.0	6.4	25.4	
		Pie	Cumple	Cumple	13.2	79.7	79.7	G, H, V <sup>(11)</sup>	Q	4162.6	296.8	-185.2	12.7	39.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5192.7	260.7	-285.0	6.4	25.4	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.7	79.7	79.7	G, H, V <sup>(11)</sup>	Q	4162.6	296.8	-185.2	12.7	39.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5192.7	260.7	-285.0	6.4	25.4	
		Cabeza	Cumple	Cumple	59.2	57.5	59.2	G, H, Q, V <sup>(12)</sup>	Q	3647.0	88.4	253.0	-184.1	39.2	Cumple
								G, H, Q, V <sup>(13)</sup>	N,M	3882.9	90.8	247.5	-163.7	44.8	
		-0.95 m	Cumple	Cumple	59.2	57.5	59.2	G, H, Q, V <sup>(12)</sup>	Q	3647.0	88.4	253.0	-184.1	39.2	Cumple
								G, H, Q, V <sup>(13)</sup>	N,M	3882.9	90.8	247.5	-163.7	44.8	
		-3 m	Cumple	Cumple	50.0	22.0	50.0	G, H, Q, V <sup>(4)</sup>	Q	1692.9	29.3	-33.9	-105.1	119.2	Cumple
								G, H, Q, V <sup>(14)</sup>	N,M	1819.0	5.1	-36.4	-107.4	23.3	
Sótano -3.80	60x60	Pie	Cumple	Cumple	47.7	19.6	47.7	G, H, Q, V <sup>(4)</sup>	Q	1285.0	24.2	-73.0	-68.2	111.2	Cumple
								G, H, Q, V <sup>(13)</sup>	N,M	1324.7	5.0	-91.4	-85.8	23.6	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)

<sup>(10)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(11)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.-)

<sup>(12)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)

<sup>(13)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(14)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.18. P18

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	48.5	89.7	89.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.0	160.4	-80.8	28.6	-72.2	Cumple
		31.35 m	Cumple	Cumple	48.5	89.7	89.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.0	160.4	-80.8	28.6	-72.2	Cumple
		29.2 m	Cumple	Cumple	48.5	89.7	89.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.0	160.4	-80.8	28.6	-72.2	Cumple
		Pie	Cumple	Cumple	48.5	70.1	70.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	921.2	-131.1	68.8	28.6	-72.2	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.8	70.1	70.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	921.2	-131.1	68.8	28.6	-72.2	Cumple
		Cabeza	Cumple	Cumple	36.3	60.8	60.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1566.6	151.8	-87.2	26.2	-65.9	Cumple
		25.6 m	Cumple	Cumple	36.3	61.5	61.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1588.4	-153.2	88.5	26.2	-65.9	Cumple
		Pie	Cumple	Cumple	36.3	61.5	61.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1588.4	-153.2	88.5	26.2	-65.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	34.2	73.0	73.0	G, H, Q, V <sup>(2)</sup>	Q	2238.0	165.2	-101.4	24.4	-62.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2448.2	144.0	-106.3	25.8	-48.0	
		24.15 m	Cumple	Cumple	34.2	73.0	73.0	G, H, Q, V <sup>(2)</sup>	Q	2238.0	165.2	-101.4	24.4	-62.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2448.2	144.0	-106.3	25.8	-48.0	
		22 m	Cumple	Cumple	34.2	73.0	73.0	G, H, Q, V <sup>(2)</sup>	Q	2238.0	165.2	-101.4	24.4	-62.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2448.2	144.0	-106.3	25.8	-48.0	
		Pie	Cumple	Cumple	34.2	71.5	71.5	G, H, Q, V <sup>(2)</sup>	Q	2259.7	-156.2	97.3	24.4	-62.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2470.0	-136.2	101.8	25.8	-48.0	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	21.4 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.9	71.5	71.5	G, H, Q, V <sup>(2)</sup>	Q	2259.7	-156.2	97.3	24.4	-62.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2470.0	-136.2	101.8	25.8	-48.0	
		Cabeza	Cumple	Cumple	36.2	71.0	71.0	G, H, Q, V <sup>(2)</sup>	Q	2900.9	201.5	-118.9	29.6	-79.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3149.6	172.6	-123.6	31.1	-60.4	
		20.55 m	Cumple	Cumple	36.2	71.0	71.0	G, H, Q, V <sup>(2)</sup>	Q	2900.9	201.5	-118.9	29.6	-79.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3149.6	172.6	-123.6	31.1	-60.4	
		18.4 m	Cumple	Cumple	36.2	71.0	71.0	G, H, Q, V <sup>(2)</sup>	Q	2900.9	201.5	-118.9	29.6	-79.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3149.6	172.6	-123.6	31.1	-60.4	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Pie	Cumple	Cumple	36.2	70.9	70.9	G, H, Q, V <sup>(2)</sup>	Q	2927.8	-196.3	118.1	29.6	-79.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3176.5	-169.0	122.9	31.1	-60.4	
		Cabeza	Cumple	Cumple	33.7	81.0	81.0	G, H, Q, V <sup>(4)</sup>	Q	3574.7	194.5	-119.0	26.3	-74.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3854.4	144.6	-153.4	28.3	-42.5	
		16.95 m	Cumple	Cumple	33.7	81.0	81.0	G, H, Q, V <sup>(4)</sup>	Q	3601.6	-197.0	117.5	26.3	-74.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3876.7	-153.9	140.5	40.4	-28.2	
		14.8 m	Cumple	Cumple	33.7	81.0	81.0	G, H, Q, V <sup>(4)</sup>	Q	3601.6	-197.0	117.5	26.3	-74.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3876.7	-153.9	140.5	40.4	-28.2	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Pie	Cumple	Cumple	33.7	81.0	81.0	G, H, Q, V <sup>(4)</sup>	Q	3601.6	-197.0	117.5	26.3	-74.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3876.7	-153.9	140.5	40.4	-28.2	
		Cabeza	Cumple	Cumple	35.1	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q	4232.1	192.5	-121.7	29.4	-76.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4555.3	162.1	-166.5	30.6	-56.3	
		13.35 m	Cumple	Cumple	35.1	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q	4232.1	192.5	-121.7	29.4	-76.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4555.3	162.1	-166.5	30.6	-56.3	
		11.2 m	Cumple	Cumple	35.1	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q	4232.1	192.5	-121.7	29.4	-76.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4555.3	162.1	-166.5	30.6	-56.3	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Pie	Cumple	Cumple	35.1	92.8	92.8	G, H, Q, V <sup>(2)</sup>	Q	4259.0	-208.3	126.4	29.4	-76.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4563.3	-166.6	150.5	44.6	-23.5	
		Cabeza	Cumple	Cumple	10.7	92.4	92.4	G, H, Q, V <sup>(4)</sup>	Q	4912.2	237.5	-266.9	12.9	-27.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5273.1	222.7	-273.5	12.7	-21.3	
		9.75 m	Cumple	Cumple	10.7	92.7	92.7	G, H, Q, V <sup>(4)</sup>	Q	4953.6	-267.8	196.5	12.9	-27.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5288.8	-273.7	221.6	22.5	-8.8	
		5.85 m	Cumple	Cumple	10.7	92.7	92.7	G, H, Q, V <sup>(4)</sup>	Q	4953.6	-267.8	196.5	12.9	-27.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5288.8	-273.7	221.6	22.5	-8.8	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	Pie	Cumple	Cumple	10.7	92.7	92.7	G, H, Q, V <sup>(4)</sup>	Q	4953.6	-267.8	196.5	12.9	-27.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5288.8	-273.7	221.6	22.5	-8.8	
		5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.0	92.7	92.7	G, H, Q, V <sup>(4)</sup>	Q	4953.6	-267.8	196.5	12.9	-27.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5288.8	-273.7	221.6	22.5	-8.8	
		Cabeza	Cumple	Cumple	21.5	62.3	62.3	G, H, Q, V <sup>(2)</sup>	Q	5612.1	173.1	-381.2	8.6	-103.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6013.2	323.9	-398.0	8.6	-74.9	
		0.5 m	Cumple	Cumple	21.5	62.7	62.7	G, H, Q, V <sup>(2)</sup>	Q	5694.9	-344.9	292.3	8.6	-103.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6079.1	-311.7	400.7	12.6	-48.5	
		Pie	Cumple	Cumple	21.5	62.7	62.7	G, H, Q, V <sup>(2)</sup>	Q	5694.9	-344.9	292.3	8.6	-103.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6079.1	-311.7	400.7	12.6	-48.5	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.2	62.7	62.7	G, H, V <sup>(9)</sup>	Q	3496.9	-318.4	195.5	5.1	-91.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6079.1	-311.7	400.7	12.6	-48.5	
		Cabeza	Cumple	Cumple	24.3	60.6	60.6	G, H, Q, V <sup>(10)</sup>	Q	6253.6	276.6	-154.9	6.5	-117.0	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6745.4	196.2	-281.7	6.1	-83.2	
		-3 m	Cumple	Cumple	24.3	60.8	60.8	G, H, Q, V <sup>(10)</sup>	Q	6305.8	-91.9	268.6	6.5	-117.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6876.1	16.5	285.5	2.6	24.0	
		Pie	Cumple	Cumple	24.3	60.8	60.8	G, H, Q, V <sup>(10)</sup>	Q	6305.8	-91.9	268.6	6.5	-117.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6876.1	16.5	285.5	2.6	24.0	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	60.8	60.8	G, H, Q, V <sup>(10)</sup>	Q	6305.8	-91.9	268.6	6.5	-117.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6876.1	16.5	285.5	2.6	24.0	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(9)</sup> PP+CM+H1+1.5·V(-Yexc.-) <sup>(10)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(11)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															

## 1.19. P18a

Sección de acero laminado																								
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos						Estado					
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>z</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)			
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.0	39.4	22.6	4.8	1.2	52.0	4.8	1.2	52.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	32.9	-6.7	-0.1	0.4	4.4	Cumpl			
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> ,M <sub>z</sub> ,V <sub>y</sub>	32.8	-9.3	-0.3	0.5	6.5				
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	31.3	-0.8	3.0	-3.5	0.1				
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> ,M <sub>y</sub> ,V <sub>y</sub>	24.7	-3.8	-2.8	3.8	2.0				
														G, H, Q, V <sup>(5)</sup>	NM <sub>y</sub> ,M <sub>z</sub>	32.8	-9.3	-0.3	0.5	6.5				
														G, H, Q, V <sup>(6)</sup>	N <sub>t</sub>	33.6	4.8	0.8	0.4	4.4				
		Pie	Cumple	Cumple	11.2	33.0	52.1	4.8	1.2	64.2	4.8	1.2	64.2	G, H, V <sup>(7)</sup>	M <sub>y</sub>	28.7	7.8	0.7	0.4	6.4	Cumpl			
														G, H, Q, V <sup>(8)</sup>	M <sub>z</sub> ,V <sub>y</sub> ,NM <sub>y</sub> ,M <sub>z</sub> ,M <sub>y</sub> ,V <sub>y</sub>	25.4	1.5	7.0	3.8	2.0				
														G, H, Q, V <sup>(9)</sup>	V <sub>z</sub> ,M <sub>y</sub> ,V <sub>z</sub>	33.5	7.8	0.9	0.5	6.5				
<b>Notas:</b> <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.-) <sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(-Yexc.-)																								

## 1.20. P19

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	17.9	43.5	43.5	G, H, V <sup>(2)</sup>	Q	487.1	29.7	2.5	-1.4	-23.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1128.3	55.3	57.6	-2.2	-13.5	
		31.35 m	Cumple	Cumple	17.7	43.9	43.9	G, H, V <sup>(2)</sup>	Q	499.9	-45.8	-2.2	-1.4	-23.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1154.3	53.4	-59.0	-2.3	7.1	
		29.2 m	Cumple	Cumple	17.7	43.9	43.9	G, H, V <sup>(2)</sup>	Q	499.9	-45.8	-2.2	-1.4	-23.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1154.3	53.4	-59.0	-2.3	7.1	
		Pie	Cumple	Cumple	17.7	43.9	43.9	G, H, V <sup>(2)</sup>	Q	499.9	-45.8	-2.2	-1.4	-23.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1154.3	53.4	-59.0	-2.3	7.1	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	27.5	55.3	55.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1727.0	-140.5	-52.4	1.5	53.7	Cumple
		27.75 m	Cumple	Cumple	27.5	55.3	55.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1727.0	-140.5	-52.4	1.5	53.7	Cumple
		25.6 m	Cumple	Cumple	27.5	55.3	55.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	1727.0	-140.5	-52.4	1.5	53.7	Cumple
		Pie	Cumple	Cumple	27.5	54.5	54.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	1748.8	134.1	52.2	1.5	53.7	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	22.9	73.0	73.0	G, H, Q, V <sup>(5)</sup>	Q	2458.0	-136.4	-62.5	0.3	44.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2682.0	109.3	-117.8	0.1	-26.3	
		24.15 m	Cumple	Cumple	22.9	73.5	73.5	G, H, Q, V <sup>(5)</sup>	Q	2479.8	133.6	63.1	0.3	44.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2711.9	108.4	118.6	0.3	27.4	
		22 m	Cumple	Cumple	22.9	73.5	73.5	G, H, Q, V <sup>(5)</sup>	Q	2479.8	133.6	63.1	0.3	44.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2711.9	108.4	118.6	0.3	27.4	
		Pie	Cumple	Cumple	22.9	73.5	73.5	G, H, Q, V <sup>(5)</sup>	Q	2479.8	133.6	63.1	0.3	44.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2711.9	108.4	118.6	0.3	27.4	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	25.6	73.5	73.5	G, H, V <sup>(8)</sup>	Q	2517.1	164.5	-66.3	0.5	-59.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3461.6	132.8	-144.0	0.9	-35.1	
		20.55 m	Cumple	Cumple	25.6	73.9	73.9	G, H, V <sup>(8)</sup>	Q	2544.0	-160.4	66.6	0.5	-59.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3493.5	131.4	144.8	1.1	36.3	
		18.4 m	Cumple	Cumple	25.6	73.9	73.9	G, H, V <sup>(8)</sup>	Q	2544.0	-160.4	66.6	0.5	-59.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3493.5	131.4	144.8	1.1	36.3	
		Pie	Cumple	Cumple	25.6	73.9	73.9	G, H, V <sup>(8)</sup>	Q	2544.0	-160.4	66.6	0.5	-59.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3493.5	131.4	144.8	1.1	36.3	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	24.4	86.4	86.4	G, H, V <sup>(8)</sup>	Q	3149.2	164.1	-73.0	0.3	-56.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4255.0	131.9	-161.4	0.4	-34.2	
		16.95 m	Cumple	Cumple	24.4	86.9	86.9	G, H, V <sup>(8)</sup>	Q	3176.1	-166.3	73.5	0.3	-56.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4283.8	132.8	162.0	0.1	33.5	
		14.8 m	Cumple	Cumple	24.4	86.9	86.9	G, H, V <sup>(8)</sup>	Q	3176.1	-166.3	73.5	0.3	-56.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4283.8	132.8	162.0	0.1	33.5	
		Pie	Cumple	Cumple	24.4	86.9	86.9	G, H, V <sup>(8)</sup>	Q	3176.1	-166.3	73.5	0.3	-56.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4283.8	132.8	162.0	0.1	33.5	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	28.4	98.0	98.0	G, H, Q, V <sup>(5)</sup>	Q	4645.2	-175.2	78.5	-2.0	66.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5032.7	120.4	172.9	-1.3	-31.1	
		13.35 m	Cumple	Cumple	28.4	100.0	100.0	G, H, Q, V <sup>(5)</sup>	Q	4672.1	189.8	-77.7	-2.0	66.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5053.5	146.0	-173.1	-1.9	42.5	
		11.2 m	Cumple	Cumple	28.4	100.0	100.0	G, H, Q, V <sup>(5)</sup>	Q	4672.1	189.8	-77.7	-2.0	66.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5053.5	146.0	-173.1	-1.9	42.5	
		Pie	Cumple	Cumple	28.4	100.0	100.0	G, H, Q, V <sup>(5)</sup>	Q	4672.1	189.8	-77.7	-2.0	66.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5053.5	146.0	-173.1	-1.9	42.5	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	7.7	97.4	97.4	G, H, Q, V <sup>(10)</sup>	Q	5394.1	275.3	219.8	-22.2	-3.4	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5821.8	280.1	197.7	-14.7	-2.2	
		9.75 m	Cumple	Cumple	7.7	97.4	97.4	G, H, Q, V <sup>(10)</sup>	Q	5394.1	275.3	219.8	-22.2	-3.4	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5821.8	280.1	197.7	-14.7	-2.2	
		5.85 m	Cumple	Cumple	7.7	97.4	97.4	G, H, Q, V <sup>(10)</sup>	Q	5394.1	275.3	219.8	-22.2	-3.4	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5821.8	280.1	197.7	-14.7	-2.2	
		Pie	Cumple	Cumple	7.7	97.3	97.3	G, H, Q, V <sup>(10)</sup>	Q	5435.5	-175.5	-275.9	-22.2	-3.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5854.8	194.8	-280.3	-4.2	12.0	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.5	97.3	97.3	G, H, V <sup>(12)</sup>	Q	3297.5	-215.7	-149.9	0.5	-20.6	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5854.8	194.8	-280.3	-4.2	12.0	
		Cabeza	Cumple	Cumple	21.1	67.3	67.3	G, H, Q, V <sup>(5)</sup>	Q	6180.6	-323.2	404.6	-6.7	101.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6660.5	-278.1	422.3	-6.1	65.7	
		0.5 m	Cumple	Cumple	21.1	68.7	68.7	G, H, Q, V <sup>(5)</sup>	Q	6263.4	553.5	-296.7	-6.7	101.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6751.2	-344.5	-425.4	-3.5	-44.0	
		Pie	Cumple	Cumple	21.1	68.7	68.7	G, H, Q, V <sup>(5)</sup>	Q	6263.4	553.5	-296.7	-6.7	101.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6751.2	-344.5	-425.4	-3.5	-44.0	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	68.7	68.7	G, H, V <sup>(13)</sup>	Q	3813.3	350.0	-210.2	-5.1	97.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6751.2	-344.5	-425.4	-3.5	-44.0	
		Cabeza	Cumple	Cumple	21.1	67.3	67.3	G, H, Q, V <sup>(14)</sup>	Q	7079.7	-233.8	291.2	-0.8	102.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7606.3	-147.2	-305.4	0.5	65.5	
		-3 m	Cumple	Cumple	21.1	67.5	67.5	G, H, Q, V <sup>(14)</sup>	Q	7131.9	87.4	-292.7	-0.8	102.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7658.5	59.1	306.7	0.5	65.5	
		Pie	Cumple	Cumple	21.1	67.5	67.5	G, H, Q, V <sup>(14)</sup>	Q	7131.9	87.4	-292.7	-0.8	102.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7658.5	59.1	306.7	0.5	65.5	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.1	67.5	67.5	G, H, V <sup>(12)</sup>	Q	4373.1	81.4	-199.8	-1.4	97.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7658.5	59.1	306.7	0.5	65.5	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> PP+CM+HI+1.5·V(-Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·V(-Yexc.-)

<sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)

<sup>(10)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)

<sup>(11)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)

<sup>(12)</sup> PP+CM+1.35·HI+1.5·V(-Yexc.-)

<sup>(13)</sup> PP+CM+1.35·HI+1.5·V(+Yexc.-)

<sup>(14)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.21. P20

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	40.4	68.6	68.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	819.7	143.0	-43.5	7.9	-64.2	Cumple
		31.35 m	Cumple	Cumple	40.4	68.6	68.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	819.7	143.0	-43.5	7.9	-64.2	Cumple
		29.2 m	Cumple	Cumple	40.4	68.6	68.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	819.7	143.0	-43.5	7.9	-64.2	Cumple
		Pie	Cumple	Cumple	40.4	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	836.9	-117.3	33.8	7.9	-64.2	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.6	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	836.9	-117.3	33.8	7.9	-64.2	Cumple
		Cabeza	Cumple	Cumple	31.4	51.0	51.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1420.7	140.8	44.9	-2.0	-61.2	Cumple
		25.6 m	Cumple	Cumple	31.4	51.0	51.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1442.5	-140.3	-43.9	-2.0	-61.2	Cumple
		Pie	Cumple	Cumple	31.4	51.0	51.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1442.5	-140.3	-43.9	-2.0	-61.2	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	30.0	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2030.3	156.8	-56.8	-0.3	-58.6	Cumple
		24.15 m	Cumple	Cumple	30.0	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2030.3	156.8	-56.8	-0.3	-58.6	Cumple
		22 m	Cumple	Cumple	30.0	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2030.3	156.8	-56.8	-0.3	-58.6	Cumple
		Pie	Cumple	Cumple	30.0	62.1	62.1	G, H, Q, V <sup>(2)</sup>	Q	2052.1	-147.2	-58.2	-0.3	-58.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	32.1	61.5	61.5	G, H, Q, V <sup>(2)</sup>	Q	2637.9	192.6	70.9	-2.3	-75.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2874.8	164.4	75.1	-3.1	-56.7	
		20.55 m	Cumple	Cumple	32.1	61.6	61.6	G, H, Q, V <sup>(2)</sup>	Q	2664.8	-186.8	-71.9	-2.3	-75.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2901.7	-160.8	-75.9	-3.1	-56.7	
		18.4 m	Cumple	Cumple	32.1	61.6	61.6	G, H, Q, V <sup>(2)</sup>	Q	2664.8	-186.8	-71.9	-2.3	-75.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2901.7	-160.8	-75.9	-3.1	-56.7	
		Pie	Cumple	Cumple	32.1	61.6	61.6	G, H, Q, V <sup>(2)</sup>	Q	2664.8	-186.8	-71.9	-2.3	-75.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2901.7	-160.8	-75.9	-3.1	-56.7	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	30.7	72.2	72.2	G, H, Q, V <sup>(4)</sup>	Q	3258.1	190.6	80.1	-3.5	-71.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3537.4	119.6	146.9	-18.8	-26.0	
		16.95 m	Cumple	Cumple	30.7	72.2	72.2	G, H, Q, V <sup>(4)</sup>	Q	3258.1	190.6	80.1	-3.5	-71.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3537.4	119.6	146.9	-18.8	-26.0	
		14.8 m	Cumple	Cumple	30.7	72.2	72.2	G, H, Q, V <sup>(4)</sup>	Q	3258.1	190.6	80.1	-3.5	-71.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3537.4	119.6	146.9	-18.8	-26.0	
		Pie	Cumple	Cumple	30.7	71.7	71.7	G, H, Q, V <sup>(4)</sup>	Q	3285.0	-191.5	-80.0	-3.5	-71.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3558.3	-164.0	-83.3	-4.5	-54.2	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	32.5	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	3860.3	194.0	83.9	-4.6	-75.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4163.0	149.3	161.2	-4.5	-45.7	
		13.35 m	Cumple	Cumple	32.5	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	3860.3	194.0	83.9	-4.6	-75.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4163.0	149.3	161.2	-4.5	-45.7	
		11.2 m	Cumple	Cumple	32.5	84.7	84.7	G, H, Q, V <sup>(2)</sup>	Q	3860.3	194.0	83.9	-4.6	-75.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4163.0	149.3	161.2	-4.5	-45.7	
		Pie	Cumple	Cumple	32.5	82.3	82.3	G, H, Q, V <sup>(2)</sup>	Q	3887.2	-207.5	-86.2	-4.6	-75.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4195.4	-161.8	-112.3	-21.6	-23.9	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	12.6	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q	4496.9	245.4	254.4	-0.8	-35.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4840.2	227.6	261.9	-2.5	-27.2	
		9.75 m	Cumple	Cumple	12.6	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q	4496.9	245.4	254.4	-0.8	-35.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4840.2	227.6	261.9	-2.5	-27.2	
		5.85 m	Cumple	Cumple	12.6	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q	4496.9	245.4	254.4	-0.8	-35.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4840.2	227.6	261.9	-2.5	-27.2	
		Pie	Cumple	Cumple	12.6	89.1	89.1	G, H, Q, V <sup>(4)</sup>	Q	4538.3	-260.9	-167.8	-0.8	-35.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4879.2	-202.8	-262.6	-15.9	-14.5	
P. primera +5.35 (-0.1 - 5.25 m)	50x50	Cabeza	Cumple	Cumple	9.8	97.4	97.4	G, H, Q, V <sup>(2)</sup>	Q	5171.4	222.8	267.4	-2.8	-27.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5550.9	207.9	271.9	-4.2	-20.2	
		4.4 m	Cumple	Cumple	9.8	97.4	97.4	G, H, Q, V <sup>(2)</sup>	Q	5171.4	222.8	267.4	-2.8	-27.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5550.9	207.9	271.9	-4.2	-20.2	
		0.5 m	Cumple	Cumple	9.8	97.4	97.4	G, H, Q, V <sup>(2)</sup>	Q	5171.4	222.8	267.4	-2.8	-27.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5550.9	207.9	271.9	-4.2	-20.2	
		Pie	Cumple	Cumple	9.8	96.5	96.5	G, H, Q, V <sup>(2)</sup>	Q	5212.8	-268.0	-169.1	-2.8	-27.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5588.4	-179.2	-272.2	-14.1	-9.4	





# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.8	96.5	96.5	G, H, Q, V <sup>(2)</sup>	Q	5212.8	-268.0	-169.1	-2.8	-27.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5588.4	-179.2	-272.2	-14.1	-9.4	
		Cabeza	Cumple	Cumple	10.9	57.1	57.1	G, H, Q, V <sup>(9)</sup>	Q	5794.1	137.9	252.4	-9.3	-52.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6261.5	100.8	267.1	-4.0	-45.1	
		-3 m	Cumple	Cumple	10.9	57.4	57.4	G, H, Q, V <sup>(9)</sup>	Q	5846.2	-27.4	-254.1	-9.3	-52.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6318.2	-49.0	-268.8	-12.8	-40.7	
		Pie	Cumple	Cumple	10.9	57.4	57.4	G, H, Q, V <sup>(9)</sup>	Q	5846.2	-27.4	-254.1	-9.3	-52.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6318.2	-49.0	-268.8	-12.8	-40.7	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.6	57.4	57.4	G, H, Q, V <sup>(9)</sup>	Q	5846.2	-27.4	-254.1	-9.3	-52.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6318.2	-49.0	-268.8	-12.8	-40.7	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.+) <sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															

## 1.22. P20a

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>v</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>v</sub> (%)	NM <sub>v</sub> M <sub>z</sub> (%)	M <sub>v</sub> V <sub>z</sub> (%)	M <sub>v</sub> V <sub>v</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN/m)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.1	39.5	22.9	4.8	1.2	52.0	4.8	1.2	52.0	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	33.4	-6.7	0.1	-0.3	4.4	Cumpl
														G, H, Q, V <sup>(2)</sup>	M <sub>v</sub> V <sub>z</sub> NM <sub>v</sub> M <sub>z</sub> M <sub>v</sub> V <sub>z</sub>	33.1	-9.3	0.3	-0.4	6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	32.2	-0.9	-3.1	3.5	0.1	
														G, H, Q, V <sup>(4)</sup>	V <sub>v</sub> M <sub>v</sub> V <sub>v</sub>	25.5	-3.8	2.8	-3.7	2.1	
														G, H, Q, V <sup>(5)</sup>	N <sub>c</sub>	34.1	4.9	-0.7	-0.3	4.4	
		Pie	Cumple	Cumple	11.4	33.5	51.2	4.8	1.2	63.9	4.8	1.2	63.9	G, H, V <sup>(6)</sup>	M <sub>v</sub>	29.0	7.9	-0.7	-0.4	6.5	Cumpl
														G, H, Q, V <sup>(6)</sup>	M <sub>z</sub> V <sub>v</sub> NM <sub>v</sub> M <sub>z</sub> M <sub>v</sub> V <sub>v</sub>	26.2	1.5	-6.9	-3.7	2.1	
														G, H, Q, V <sup>(7)</sup>	V <sub>z</sub> M <sub>v</sub> V <sub>z</sub>	33.8	7.9	-0.8	-0.4	6.6	
Notas:																					
<sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.+) 																					
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) 																					
<sup>(3)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(+Yexc.+) 																					
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) 																					
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.+) 																					
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.+) 																					



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.23. P21

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	99.6	61.4	99.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1095.6	119.5	56.9	-51.1	-218.8	Cumple
		29.142 m	Cumple	Cumple	66.3	10.7	66.3	G, H, Q, V <sup>(1)</sup>	Q	282.7	-5.7	3.8	-36.8	-60.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	374.4	-6.4	9.0	-29.2	-63.6	Cumple
		Pie	Cumple	Cumple	37.7	18.7	37.7	G, H, Q, V <sup>(4)</sup>	Q	219.1	-22.3	17.8	-40.3	-105.9	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x50	Cabeza	Cumple	Cumple	97.2	35.6	97.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	921.9	88.6	-68.9	-23.0	-250.5	Cumple
		25.542 m	Cumple	Cumple	61.7	16.7	61.7	G, H, Q, V <sup>(4)</sup>	Q	597.0	-5.4	32.4	21.8	-87.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	714.2	-5.7	34.0	22.9	-89.8	Cumple
		Pie	Cumple	Cumple	61.5	23.6	61.5	G, H, Q, V <sup>(4)</sup>	Q	601.0	-53.0	44.2	21.8	-87.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x50	Cabeza	Cumple	Cumple	95.8	39.3	95.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1240.5	94.1	-71.0	-21.3	-205.5	Cumple
		24.108 m	Cumple	Cumple	95.8	32.8	95.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1244.5	-17.2	-82.6	-21.3	-205.5	Cumple
								G, H, V <sup>(7)</sup>	Q	668.5	-48.6	30.2	2.4	-92.3	Cumple
		Pie	Cumple	Cumple	59.7	22.6	59.7	G, H, Q, V <sup>(4)</sup>	N,M	810.4	-53.6	33.8	3.3	-100.2	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	94.0	32.6	94.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1327.4	97.8	-48.1	-19.8	-218.4	Cumple
		20.55 m	Cumple	Cumple	94.0	26.6	94.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1331.9	-20.5	-58.8	-19.8	-218.4	Cumple
		20.508 m	Cumple	Cumple	94.0	26.6	94.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1331.9	-20.5	-58.8	-19.8	-218.4	Cumple
		18.342 m	Cumple	Cumple	60.1	17.9	60.1	G, H, V <sup>(8)</sup>	Q	466.0	2.6	31.0	1.9	-90.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	1001.9	-20.0	13.7	11.9	-18.7	Cumple
		Pie	Cumple	Cumple	59.9	21.1	59.9	G, H, V <sup>(8)</sup>	Q	469.4	-46.4	32.0	1.9	-90.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	88.9	35.2	88.9	G, H, Q, V <sup>(4)</sup>	Q	1295.4	98.8	-39.8	-30.6	-234.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1471.9	101.0	-53.5	-23.0	-146.3	Cumple
		14.8 m	Cumple	Cumple	89.3	33.8	89.3	G, H, V <sup>(11)</sup>	Q	185.7	5.4	30.7	-8.0	-104.6	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	1608.0	-75.3	-47.5	22.5	53.3	Cumple
		14.742 m	Cumple	Cumple	89.3	33.8	89.3	G, H, V <sup>(11)</sup>	Q	185.7	5.4	30.7	-8.0	-104.6	Cumple
		Pie	Cumple	Cumple	89.0	34.5	89.0	G, H, Q, V <sup>(12)</sup>	N,M	1608.0	-75.3	-47.5	22.5	53.3	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	89.5	42.2	89.5	G, H, Q, V <sup>(4)</sup>	Q	1034.7	94.9	-40.3	-29.2	-236.1	Cumple
								G, H, Q, V <sup>(13)</sup>	N,M	1889.9	86.9	-88.5	-0.8	-80.8	Cumple
		Pie	Cumple	Cumple	53.4	82.4	82.4	G, H, Q, V <sup>(4)</sup>	Q	297.0	-64.4	40.0	-6.7	-118.2	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	81.3	60.1	81.3	G, H, Q, V <sup>(14)</sup>	Q	625.9	92.3	-28.7	-44.8	-225.7	Cumple
								G, H, Q, V <sup>(15)</sup>	N,M	2721.3	149.8	-186.5	16.3	-13.5	Cumple
		Pie	Cumple	Cumple	69.5	98.9	98.9	G, H, Q, V <sup>(12)</sup>	Q	4007.1	167.5	-233.1	55.3	188.8	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	13.4	69.6	69.6	G, H, V <sup>(16)</sup>	Q	3352.5	172.5	-219.8	49.6	175.9	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	4007.1	180.5	-246.1	55.3	188.8	Cumple
		Cabeza	Cumple	Cumple	58.8	58.7	58.8	G, H, Q, V <sup>(14)</sup>	Q	-245.9	76.4	-36.3	-60.2	-313.7	Cumple
								G, H, Q, V <sup>(15)</sup>	N,M	4796.7	198.0	-287.0	47.3	99.7	Cumple
		0.5 m	Cumple	Cumple	94.3	96.3	96.3	G, H, Q, V <sup>(15)</sup>	Q	6948.4	342.6	-350.4	96.1	352.7	Cumple
		Pie	Cumple	Cumple	40.4	96.3	96.3	G, H, V <sup>(8)</sup>	N,M	-2381.6	-117.5	20.3	-42.2	-206.4	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	15.5	96.3	96.3	G, H, Q, V <sup>(15)</sup>	Q	6948.4	342.6	-350.4	96.1	352.7	Cumple
								G, H, V <sup>(8)</sup>	N,M	-2381.6	-117.5	20.3	-42.2	-206.4	Cumple
		Cabeza	Cumple	Cumple	70.8	76.1	76.1	G, H, Q, V <sup>(12)</sup>	Q,N,M	6824.5	247.9	248.1	-114.1	-367.0	Cumple
		-0.975 m	Cumple	Cumple	99.1	73.8	99.1	G, H, Q, V <sup>(12)</sup>	Q,N,M	6830.8	-248.2	-166.5	-114.1	-367.0	Cumple
		-3 m	Cumple	Cumple	27.5	58.8	58.8	G, H, Q, V <sup>(12)</sup>	Q,N,M	5427.5	-211.5	-114.4	-87.5	-233.2	Cumple
Sótano -3.80	60x60							G, H, Q, V <sup>(14)</sup>	Q	796.9	63.8	9.2	88.6	260.5	Cumple
		Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	14.6	51.7	51.7	G, H, Q, V <sup>(12)</sup>	N,M	4733.2	-190.6	-109.9	-77.9	-194.3	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Notas:															
(1) La comprobación no procede															
(2) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
(3) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.-)															
(4) 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-)															
(5) 1.35·PP+1.35·CM+H1+1.5·V(+Yexc.-)															
(6) 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)															
(7) 1.35·PP+1.35·CM+H1+1.5·V(-Yexc.-)															
(8) PP+CM+H1+1.5·V(-Yexc.-)															
(9) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)															
(10) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.+)															
(11) PP+CM+1.35·H1+1.5·V(-Yexc.-)															
(12) 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
(13) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
(14) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)															
(15) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
(16) PP+CM+H1+1.5·V(+Yexc.-)															

Sección de acero laminado																				
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	33.8	47.4	4.3	10.3	78.0	10.3	78.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	301.3	-21.6	-0.6	0.0	9.9	Cumple	
													G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> M <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	280.7	-36.6	0.1	-0.3	22.5	Cumple
													G, H, V <sup>(3)</sup>	M <sub>z</sub>	240.4	-22.5	1.8	-1.4	12.0	
		Pie	Cumple	Cumple	33.9	27.5	4.4	10.3	60.2	10.3	60.2	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	302.5	3.9	-0.6	0.0	9.9	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> M <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	281.9	21.2	-0.7	-0.3	22.5		
												G, H, V <sup>(3)</sup>	M <sub>z</sub>	241.6	8.4	-1.8	-1.4	12.0		
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. séptima +28.70 (25 - 28.6 m)	45x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. sexta +25.10 (21.4 - 25 m)	45x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Notas: <sup>(1)</sup> 1.35 PP+1.35 CM+0.7 H1+1.5 Qa+0.9 V(-Yexc.-) <sup>(2)</sup> 1.35 PP+1.35 CM+0.7 H1+1.05 Qa+1.5 V(+Yexc.-) <sup>(3)</sup> 1.35 PP+1.35 CM+1.35 H1+1.5 V(-Xexc.+)																				



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.24. P22

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	92.9	54.7	92.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	939.5	108.2	-33.6	39.9	-201.7	Cumple
		29.142 m	Cumple	Cumple	67.1	22.1	67.1	G, H, Q, V <sup>(3)</sup>	Q	45.9	-2.7	-1.3	25.2	-40.4	Cumple
								G, H, V <sup>(4)</sup>	N,M	-79.2	-1.2	1.0	17.5	-24.0	
		Pie	Cumple	Cumple	28.5	40.2	40.2	G, H, Q, V <sup>(5)</sup>	Q	337.4	-21.1	-23.6	19.3	-81.7	Cumple
							G, H, V <sup>(6)</sup>	N,M	-124.4	-5.8	-1.1	23.5	-42.3		
P. séptima +28.70 (25 - 28.6 m)	45x50	Cabeza	Cumple	Cumple	91.9	33.0	91.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1015.8	83.2	56.9	24.6	-236.4	Cumple
		25.542 m	Cumple	Cumple	58.0	46.6	58.0	G, H, Q, V <sup>(7)</sup>	Q	11.2	-1.4	-10.9	1.5	-46.8	Cumple
								G, H, V <sup>(4)</sup>	N,M	-174.6	-0.3	-1.7	6.7	-18.6	
		Pie	Cumple	Cumple	57.7	56.4	57.7	G, H, Q, V <sup>(7)</sup>	Q	15.2	-26.8	-10.1	1.5	-46.8	Cumple
							G, H, V <sup>(8)</sup>	N,M	-161.4	-13.4	-0.9	4.7	-24.2		
P. sexta +25.10 (21.4 - 25 m)	45x50	Cabeza	Cumple	Cumple	92.1	44.4	92.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	1305.1	124.6	67.3	23.3	-197.1	Cumple
		24.108 m	Cumple	Cumple	92.1	36.0	92.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	1309.1	-52.3	80.1	23.3	-197.1	Cumple
								G, H, V <sup>(9)</sup>	Q	728.4	-45.3	-26.2	0.4	-88.7	
		Pie	Cumple	Cumple	54.9	22.2	54.9	G, H, Q, V <sup>(5)</sup>	N,M	857.1	-50.1	-29.2	-0.1	-96.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	89.6	31.7	89.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1366.1	92.4	39.7	23.4	-207.7	Cumple
		20.55 m	Cumple	Cumple	89.6	26.6	89.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1370.5	-20.1	52.4	23.4	-207.7	Cumple
		20.508 m	Cumple	Cumple	89.6	26.6	89.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1370.5	-20.1	52.4	23.4	-207.7	Cumple
		18.342 m	Cumple	Cumple	52.9	16.8	52.9	G, H, V <sup>(10)</sup>	Q	535.7	3.2	-26.8	0.6	-84.1	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	920.4	-2.0	-25.9	-2.6	-77.6	
		Pie	Cumple	Cumple	52.8	20.3	52.8	G, H, V <sup>(10)</sup>	Q	539.0	-42.3	-26.5	0.6	-84.1	Cumple
							G, H, Q, V <sup>(5)</sup>	N,M	862.7	-54.0	-34.1	-1.7	-102.2		
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	96.5	31.1	96.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	1333.6	93.8	34.6	31.7	-222.8	Cumple
		16.95 m	Cumple	Cumple	96.5	26.5	96.5	G, H, Q, V <sup>(5)</sup>	Q	1338.0	-26.9	51.8	31.7	-222.8	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	1413.8	-21.7	42.9	26.0	-185.6	
		16.908 m	Cumple	Cumple	96.5	26.5	96.5	G, H, Q, V <sup>(11)</sup>	Q	1338.0	-26.9	51.8	31.7	-222.8	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	1413.8	-21.7	42.9	26.0	-185.6	
		14.742 m	Cumple	Cumple	81.1	31.6	81.1	G, H, V <sup>(12)</sup>	Q	261.4	5.9	-29.7	9.6	-102.0	Cumple
							G, H, Q, V <sup>(5)</sup>	N,M	1489.3	-69.7	48.2	-22.6	56.0		
							G, H, V <sup>(12)</sup>	Q	264.7	-49.4	-24.5	9.6	-102.0		
							G, H, Q, V <sup>(5)</sup>	N,M	1493.7	53.7	-69.9	-22.6	56.0	Cumple	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	91.3	39.1	91.3	G, H, Q, V <sup>(5)</sup>	Q	1085.1	95.9	36.2	34.2	-240.5	
								G, H, Q, V <sup>(5)</sup>	N,M	1817.8	65.7	85.1	0.7	-37.2	Cumple
		Pie	Cumple	Cumple	52.4	67.3	67.3	G, H, Q, V <sup>(5)</sup>	Q	309.0	-61.1	-34.2	11.9	-115.5	
							G, H, V <sup>(10)</sup>	N,M	-127.1	-51.0	-28.4	12.3	-101.5	Cumple	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	86.6	54.2	86.6	G, H, Q, V <sup>(13)</sup>	Q	647.7	90.2	6.2	59.0	-229.3	
								G, H, Q, V <sup>(14)</sup>	N,M	2442.0	174.7	142.5	-25.3	7.1	
		5.85 m	Cumple	Cumple	81.5	99.7	99.7	G, H, Q, V <sup>(3)</sup>	Q	4031.6	237.7	177.1	-65.4	212.9	Cumple
								G, H, V <sup>(12)</sup>	N,M	-1516.7	-37.4	-13.6	47.4	-151.0	
							G, H, Q, V <sup>(3)</sup>	Q	4031.6	237.7	177.1	-65.4	212.9		
							G, H, V <sup>(12)</sup>	N,M	-1516.7	-37.4	-13.6	47.4	-151.0	Cumple	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	90.7	57.7	90.7	G, H, Q, V <sup>(13)</sup>	Q	-465.8	67.5	22.1	65.1	-295.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4794.5	289.7	223.7	-54.4	111.7	
		Pie	Cumple	Cumple	86.8	89.6	89.6	G, H, Q, V <sup>(14)</sup>	Q	7132.1	357.5	-361.5	-105.7	371.1	Cumple
							G, H, V <sup>(10)</sup>	N,M	-2585.3	-121.3	-6.7	48.4	-216.3		
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	92.3	72.1	92.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	6973.5	261.1	-118.2	120.1	-392.3	Cumple
		-0.975 m	Cumple	Cumple	92.3	73.1	92.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	6979.8	-254.8	175.2	120.1	-392.3	Cumple
								G, H, Q, V <sup>(13)</sup>	Q	720.3	64.9	-23.7	-103.4	270.4	
							G, H, Q, V <sup>(3)</sup>	N,M	4722.4	-94.4	13.8	85.2	-217.0	Cumple	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	15.6	44.8	44.8	G, H, Q, V <sup>(13)</sup>	Q	720.3	64.9	-23.7	-103.4	270.4	
								G, H, Q, V <sup>(3)</sup>	N,M	4722.4	-94.4	13.8	85.2	-217.0	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(-Yexc.-)															
<sup>(3)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(+Yexc.-)															
<sup>(4)</sup> PP+CM+H1+1.5-V(+Yexc.-)															
<sup>(5)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(-Yexc.-)															
<sup>(6)</sup> 1.35-PP+1.35-CM+H1+1.5-V(-Yexc.-)															
<sup>(7)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(+Yexc.-)															
<sup>(8)</sup> PP+CM+H1+1.5-V(+Yexc.-)															
<sup>(9)</sup> 1.35-PP+1.35-CM+H1+1.5-V(-Yexc.-)															
<sup>(10)</sup> PP+CM+H1+1.5-V(-Yexc.-)															
<sup>(11)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(-Yexc.-)															
<sup>(12)</sup> PP+CM+1.35-H1+1.5-V(-Yexc.-)															
<sup>(13)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.-)															
<sup>(14)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	33.0	47.8	5.6	10.4	79.7	10.4	79.7	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	294.7	-22.4	2.0	-1.2	10.7	Cumple
			Cumple	Cumple	33.0	47.8	5.6	10.4	79.7	10.4	79.7	G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> , V <sub>z</sub> , NM <sub>x</sub> M <sub>y</sub> , M <sub>x</sub> V <sub>z</sub>	275.8	-36.9	0.9	-0.6	22.8	
			Cumple	Cumple	33.0	47.8	5.6	10.4	79.7	10.4	79.7	G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	278.3	-26.2	2.3	-1.5	14.1	
		Pie	Cumple	Cumple	33.2	28.1	4.0	10.4	60.0	10.4	60.0	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	295.9	5.0	-1.2	-1.2	10.7	Cumple
			Cumple	Cumple	33.2	28.1	4.0	10.4	60.0	10.4	60.0	G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> , V <sub>z</sub> , NM <sub>x</sub> M <sub>y</sub> , M <sub>x</sub> V <sub>z</sub>	277.0	21.7	-0.6	-0.6	22.8	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	279.5	10.0	-1.6	-1.5	14.1	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. séptima +28.70 (25 - 28.6 m)	45x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. sexta +25.10 (21.4 - 25 m)	45x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notas:

(1) 1.35·PP+1.35·CM+0.7·Hl+1.5·Qa+0.9·V(-Yexc.-)

(2) 1.35·PP+1.35·CM+0.7·Hl+1.05·Qa+1.5·V(+Yexc.-)

(3) 1.35·PP+1.35·CM+0.7·Hl+1.05·Qa+1.5·V(-Yexc.-)

## 1.25. P23

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	46.9	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	900.0	143.0	109.6	-41.9	-62.4	Cumple	
		31.35 m	Cumple	Cumple	46.9	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	900.0	143.0	109.6	-41.9	-62.4	Cumple	
		29.2 m	Cumple	Cumple	46.9	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	900.0	143.0	109.6	-41.9	-62.4	Cumple	
		Pie	Cumple	Cumple	46.9	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	917.2	-116.3	-83.0	-41.9	-62.4	Cumple	
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.7	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	917.2	-116.3	-83.0	-41.9	-62.4	Cumple	
		Cabeza	Cumple	Cumple	32.9	57.9	57.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1565.5	144.0	79.4	-22.5	-60.1	Cumple	
		25.6 m	Cumple	Cumple	32.9	58.6	58.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1587.3	-142.0	-84.4	-22.5	-60.1	Cumple	
		Pie	Cumple	Cumple	32.9	58.6	58.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1587.3	-142.0	-84.4	-22.5	-60.1	Cumple	
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(2)</sup>	Q	2241.7	163.0	98.3	-22.6	-60.0	Cumple	
			Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(3)</sup>	N,M	2459.4	141.4	102.2	-23.4	-45.9		
		24.15 m	Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(2)</sup>	Q	2241.7	163.0	98.3	-22.6	-60.0	Cumple	
			Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(3)</sup>	N,M	2459.4	141.4	102.2	-23.4	-45.9		
		22 m	Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(2)</sup>	Q	2241.7	163.0	98.3	-22.6	-60.0	Cumple	
			Cumple	Cumple	32.9	72.2	72.2	G, H, Q, V <sup>(3)</sup>	N,M	2459.4	141.4	102.2	-23.4	-45.9		
		Pie	Cumple	Cumple	32.9	70.6	70.6	G, H, Q, V <sup>(2)</sup>	Q	2263.5	-151.5	-94.8	-22.6	-60.0	Cumple	
			Cumple	Cumple	32.9	70.6	70.6	G, H, Q, V <sup>(3)</sup>	N,M	2481.2	-132.4	-98.3	-23.4	-45.9		
P. quinta +21.50 (17.8 - 21.4 m)	50x50	21.4 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.7	70.6	70.6	G, H, Q, V <sup>(2)</sup>	Q	2263.5	-151.5	-94.8	-22.6	-60.0	Cumple	
		Cabeza	Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(3)</sup>	N,M	2481.2	-132.4	-98.3	-23.4	-45.9		
			Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(2)</sup>	Q	2915.8	200.4	111.7	-24.6	-77.6	Cumple	
			Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(3)</sup>	N,M	3173.7	170.3	115.3	-25.2	-58.6		
		20.55 m	Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(2)</sup>	Q	2915.8	200.4	111.7	-24.6	-77.6	Cumple	
			Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(3)</sup>	N,M	3173.7	170.3	115.3	-25.2	-58.6		
		18.4 m	Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(2)</sup>	Q	2915.8	200.4	111.7	-24.6	-77.6	Cumple	
			Cumple	Cumple	34.9	70.4	70.4	G, H, Q, V <sup>(3)</sup>	N,M	3173.7	170.3	115.3	-25.2	-58.6		
Pie	Cumple	Cumple	34.9	70.2	70.2	G, H, Q, V <sup>(2)</sup>	Q	2942.7	-192.9	-109.1	-24.6	-77.6	Cumple			
	Cumple	Cumple	34.9	70.2	70.2	G, H, Q, V <sup>(3)</sup>	N,M	3200.6	-166.1	-112.3	-25.2	-58.6				
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q	3603.5	199.1	111.5	-22.1	-74.8	Cumple	
			Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(3)</sup>	N,M	3901.8	169.3	113.6	-22.7	-55.7		
		16.95 m	Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q	3603.5	199.1	111.5	-22.1	-74.8	Cumple	
			Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(3)</sup>	N,M	3901.8	169.3	113.6	-22.7	-55.7		
		14.8 m	Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q	3603.5	199.1	111.5	-22.1	-74.8	Cumple	
			Cumple	Cumple	33.4	80.7	80.7	G, H, Q, V <sup>(3)</sup>	N,M	3901.8	169.3	113.6	-22.7	-55.7		
		Pie	Cumple	Cumple	33.4	80.6	80.6	G, H, Q, V <sup>(4)</sup>	Q	3630.4	-195.1	-111.5	-22.1	-74.8	Cumple	
			Cumple	Cumple	33.4	80.6	80.6	G, H, Q, V <sup>(3)</sup>	N,M	3928.7	-164.6	-113.1	-22.7	-55.7		



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	37.9	91.8	91.8	G, H, Q, V <sup>(2)</sup>	Q	4271.6	206.8	111.1	-21.5	-85.7	Cumple	
								G, H, Q, V <sup>(5)</sup>	N,M	4590.3	167.0	132.2	-33.9	-30.3		
		13.35 m	Cumple	Cumple	37.9	92.8	92.8	G, H, Q, V <sup>(2)</sup>	Q	4298.5	-224.1	-111.2	-21.5	-85.7	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	4634.2	-186.4	-110.5	-22.1	-64.5		
		11.2 m	Cumple	Cumple	37.9	92.8	92.8	G, H, Q, V <sup>(2)</sup>	Q	4298.5	-224.1	-111.2	-21.5	-85.7	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	4634.2	-186.4	-110.5	-22.1	-64.5		
		Pie	Cumple	Cumple	37.9	92.8	92.8	G, H, Q, V <sup>(2)</sup>	Q	4298.5	-224.1	-111.2	-21.5	-85.7	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	4634.2	-186.4	-110.5	-22.1	-64.5		
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	13.0	94.0	94.0	G, H, Q, V <sup>(4)</sup>	Q	4969.1	254.0	268.1	-12.2	-34.8	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	5345.8	232.8	274.6	-10.4	-26.1		
		9.75 m	Cumple	Cumple	13.0	94.0	94.0	G, H, Q, V <sup>(4)</sup>	Q	4969.1	254.0	268.1	-12.2	-34.8	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	5345.8	232.8	274.6	-10.4	-26.1		
		5.85 m	Cumple	Cumple	13.0	94.0	94.0	G, H, Q, V <sup>(4)</sup>	Q	4969.1	254.0	268.1	-12.2	-34.8	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	5345.8	232.8	274.6	-10.4	-26.1		
		Pie	Cumple	Cumple	13.0	93.0	93.0	G, H, Q, V <sup>(4)</sup>	Q	5010.5	-268.9	-204.7	-12.2	-34.8	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	5385.6	-275.2	-205.9	-13.2	-26.0		
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.4	93.0	93.0	G, H, Q, V <sup>(4)</sup>	Q	5010.5	-268.9	-204.7	-12.2	-34.8	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	5385.6	-275.2	-205.9	-13.2	-26.0		
		Cabeza	Cumple	Cumple	23.4	63.3	63.3	G, H, Q, V <sup>(2)</sup>	Q	5695.8	191.4	327.6	-11.3	-112.2	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	6117.9	336.8	402.2	-8.4	-76.3		
		0.5 m	Cumple	Cumple	23.4	64.4	64.4	G, H, Q, V <sup>(2)</sup>	Q	5778.6	-369.7	273.0	-11.3	-112.2	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	6177.7	381.5	-404.5	-13.4	34.2		
		Pie	Cumple	Cumple	23.4	64.4	64.4	G, H, Q, V <sup>(2)</sup>	Q	5778.6	-369.7	273.0	-11.3	-112.2	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	6177.7	381.5	-404.5	-13.4	34.2		
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.5	64.4	64.4	G, H, V <sup>(8)</sup>	Q	3548.2	-354.9	184.7	-8.1	-102.2	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	6177.7	381.5	-404.5	-13.4	34.2		
		Cabeza	Cumple	Cumple	31.6	61.5	61.5	G, H, Q, V <sup>(9)</sup>	Q	6426.4	339.6	-217.3	36.2	-148.8	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	6936.5	79.8	-287.2	15.7	-35.0		
		-3 m	Cumple	Cumple	31.6	61.8	61.8	G, H, Q, V <sup>(9)</sup>	Q	6478.5	-129.0	273.8	36.2	-148.8	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	6988.6	-30.4	288.7	15.7	-35.0		
		Pie	Cumple	Cumple	31.6	61.8	61.8	G, H, Q, V <sup>(9)</sup>	Q	6478.5	-129.0	273.8	36.2	-148.8	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	6988.6	-30.4	288.7	15.7	-35.0		
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.6	61.8	61.8	G, H, Q, V <sup>(9)</sup>	Q	6478.5	-129.0	273.8	36.2	-148.8	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	6988.6	-30.4	288.7	15.7	-35.0		
Notas:																
<sup>(1)</sup> La comprobación no procede																
<sup>(2)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(-Yexc.-)																
<sup>(3)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(-Yexc.-)																
<sup>(4)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.-)																
<sup>(5)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(-Xexc.-)																
<sup>(6)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9-V(-Yexc.-)																
<sup>(7)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9-V(+Yexc.-)																
<sup>(8)</sup> PP+CM+H1+1.5-V(-Yexc.-)																
<sup>(9)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(+Yexc.-)																
<sup>(10)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(+Xexc.-)																

## 1.26. P23a

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>1</sub> M <sub>2</sub> (%)	M <sub>1</sub> V <sub>2</sub> (%)	M <sub>2</sub> V <sub>1</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	12.8	41.5	22.4	5.0	1.2	56.0	5.0	1.2	56.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	38.6	-7.2	-0.2	0.5	4.8	Cumpl
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> V <sub>2</sub> NM <sub>1</sub> M <sub>2</sub> MV <sub>2</sub>	37.7	-9.8	-0.4	0.6	6.9	
														G, H, Q, V <sup>(3)</sup>	M <sub>2</sub>	36.8	-1.3	3.0	-3.3	0.4	
														G, H, Q, V <sup>(4)</sup>	V <sub>1</sub> M <sub>1</sub> V <sub>1</sub>	30.1	-4.3	-2.9	3.9	2.4	
		Pie	Cumple	Cumple	13.1	34.4	55.1	5.0	1.2	71.7	5.0	1.2	71.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	39.3	5.2	1.3	0.5	4.8	Cumpl
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> V <sub>2</sub> MV <sub>2</sub>	38.4	8.1	1.3	0.6	6.9	
														G, H, Q, V <sup>(3)</sup>	M <sub>2</sub>	30.8	1.9	7.4	3.9	2.4	
														G, H, Q, V <sup>(4)</sup>	V <sub>1</sub> NM <sub>1</sub> M <sub>2</sub> MV <sub>1</sub>	30.8	1.9	7.4	3.9	2.4	

Notas:  
<sup>(1)</sup> 1.35-PP+1.35-CM+0.7-H1+1.5-Qa+0.9-V(+Yexc.-)  
<sup>(2)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(+Yexc.-)  
<sup>(3)</sup> 1.35-PP+1.35-CM+0.7-H1+1.05-Qa+1.5-V(-Xexc.-)  
<sup>(4)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.-)  
<sup>(5)</sup> 1.35-PP+1.35-CM+0.7-H1+1.05-Qa+1.5-V(+Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.27. P24

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	44.3	82.5	82.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	873.9	151.8	-72.0	24.4	-66.6	Cumple
		31.35 m	Cumple	Cumple	44.3	82.5	82.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	873.9	151.8	-72.0	24.4	-66.6	Cumple
		29.2 m	Cumple	Cumple	44.3	82.5	82.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	873.9	151.8	-72.0	24.4	-66.6	Cumple
		Pie	Cumple	Cumple	44.3	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	891.1	-119.5	62.2	24.4	-66.6	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.2	63.1	63.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	891.1	-119.5	62.2	24.4	-66.6	Cumple
		Cabeza	Cumple	Cumple	32.6	56.9	56.9	G, H, Q, V <sup>(2)</sup>	Q	1509.6	141.0	-80.3	22.8	-59.4	Cumple
		25.6 m	Cumple	Cumple	32.6	56.9	56.9	G, H, Q, V <sup>(2)</sup>	N,M	1509.2	139.9	-81.8	23.6	-58.4	Cumple
		Pie	Cumple	Cumple	32.6	56.9	56.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1531.4	-139.4	81.1	22.8	-59.4	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	33.6	71.3	71.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2154.0	165.5	-97.0	22.6	-61.6	Cumple
		24.15 m	Cumple	Cumple	33.6	71.3	71.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2154.0	165.5	-97.0	22.6	-61.6	Cumple
		22 m	Cumple	Cumple	33.6	71.3	71.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2154.0	165.5	-97.0	22.6	-61.6	Cumple
		Pie	Cumple	Cumple	33.6	69.1	69.1	G, H, Q, V <sup>(3)</sup>	Q	2175.8	-151.9	93.6	22.6	-61.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	36.3	69.6	69.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2795.5	203.8	-116.0	28.3	-79.8	Cumple
		20.55 m	Cumple	Cumple	36.3	69.6	69.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2795.5	203.8	-116.0	28.3	-79.8	Cumple
		18.4 m	Cumple	Cumple	36.3	69.6	69.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2795.5	203.8	-116.0	28.3	-79.8	Cumple
		Pie	Cumple	Cumple	36.3	68.7	68.7	G, H, Q, V <sup>(3)</sup>	Q	2822.4	-194.0	114.4	28.3	-79.8	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	35.3	78.9	78.9	G, H, Q, V <sup>(5)</sup>	Q	3447.7	205.5	-116.5	24.5	-78.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3726.3	173.4	-117.9	24.9	-58.1	
		16.95 m	Cumple	Cumple	35.3	78.9	78.9	G, H, Q, V <sup>(5)</sup>	Q	3447.7	205.5	-116.5	24.5	-78.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3726.3	173.4	-117.9	24.9	-58.1	
		14.8 m	Cumple	Cumple	35.3	78.9	78.9	G, H, Q, V <sup>(5)</sup>	Q	3447.7	205.5	-116.5	24.5	-78.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3726.3	173.4	-117.9	24.9	-58.1	
		Pie	Cumple	Cumple	35.3	78.5	78.5	G, H, Q, V <sup>(5)</sup>	Q	3474.6	-199.8	112.8	24.5	-78.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3753.2	-167.3	115.0	24.9	-58.1	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	41.5	89.7	89.7	G, H, Q, V <sup>(3)</sup>	Q	4087.3	217.2	-123.6	30.3	-91.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4399.7	181.5	-122.4	30.8	-69.0	
		13.35 m	Cumple	Cumple	41.5	91.9	91.9	G, H, Q, V <sup>(3)</sup>	Q	4114.2	-234.3	127.9	30.3	-91.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4426.6	-194.6	129.5	30.8	-69.0	
		11.2 m	Cumple	Cumple	41.5	91.9	91.9	G, H, Q, V <sup>(3)</sup>	Q	4114.2	-234.3	127.9	30.3	-91.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4426.6	-194.6	129.5	30.8	-69.0	
		Pie	Cumple	Cumple	41.5	91.9	91.9	G, H, Q, V <sup>(3)</sup>	Q	4114.2	-234.3	127.9	30.3	-91.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4426.6	-194.6	129.5	30.8	-69.0	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	15.5	91.3	91.3	G, H, Q, V <sup>(5)</sup>	Q	4743.6	263.9	-224.3	21.0	-38.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5090.3	239.6	-270.4	19.1	-28.5	
		9.75 m	Cumple	Cumple	15.5	91.3	91.3	G, H, Q, V <sup>(5)</sup>	Q	4743.6	263.9	-224.3	21.0	-38.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5090.3	239.6	-270.4	19.1	-28.5	
		5.85 m	Cumple	Cumple	15.5	91.3	91.3	G, H, Q, V <sup>(5)</sup>	Q	4743.6	263.9	-224.3	21.0	-38.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5090.3	239.6	-270.4	19.1	-28.5	
		Pie	Cumple	Cumple	15.5	91.1	91.1	G, H, Q, V <sup>(5)</sup>	Q	4784.9	-267.0	217.7	21.0	-38.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5098.9	-270.5	231.8	25.7	-12.5	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.8	91.1	91.1	G, H, Q, V <sup>(5)</sup>	Q	4784.9	-267.0	217.7	21.0	-38.8	Cumple
		Cabeza	Cumple	Cumple	25.4	59.2	59.2	G, H, Q, V <sup>(7)</sup>	N,M	5098.9	-270.5	231.8	25.7	-12.5	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	5454.2	199.3	-323.8	25.6	-120.4	
		4.4 m	Cumple	Cumple	25.4	59.2	59.2	G, H, Q, V <sup>(6)</sup>	N,M	5838.5	159.5	-390.9	23.9	-80.7	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	5454.2	199.3	-323.8	25.6	-120.4	
		0.5 m	Cumple	Cumple	25.4	59.2	59.2	G, H, Q, V <sup>(6)</sup>	N,M	5838.5	159.5	-390.9	23.9	-80.7	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	5454.2	199.3	-323.8	25.6	-120.4	
		Pie	Cumple	Cumple	25.4	58.8	58.8	G, H, Q, V <sup>(3)</sup>	Q	5537.0	-402.7	336.6	25.6	-120.4	Cumple





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	Cabeza	Cumple	Cumple	33.7	59.5	59.5	G, H, Q, V <sup>(9)</sup>	Q	6137.1	364.6	-196.5	27.4	-160.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6677.9	-100.2	-279.8	15.2	44.4	
		-0.95 m	Cumple	Cumple	33.7	59.7	59.7	G, H, Q, V <sup>(9)</sup>	Q	6189.2	-141.5	265.0	27.4	-160.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6730.0	39.6	281.3	15.2	44.4	
		-3 m	Cumple	Cumple	33.7	59.7	59.7	G, H, Q, V <sup>(9)</sup>	Q	6189.2	-141.5	265.0	27.4	-160.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6730.0	39.6	281.3	15.2	44.4	
		Pie	Cumple	Cumple	33.7	59.7	59.7	G, H, Q, V <sup>(9)</sup>	Q	6189.2	-141.5	265.0	27.4	-160.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6730.0	39.6	281.3	15.2	44.4	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.0	59.7	59.7	G, H, V <sup>(10)</sup>	Q	3794.8	-128.6	119.4	19.7	-146.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6730.0	39.6	281.3	15.2	44.4	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(10)</sup> PP+CM+H1+1.5·V(+Yexc.+)															

## 1.28. P24a

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>e</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.0	39.4	22.6	4.8	1.2	52.0	4.8	1.2	52.0	G, H, Q, V <sup>(1)</sup>	N <sub>e</sub>	33.0	-6.7	-0.1	0.4	4.4	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> , M <sub>z</sub> , M <sub>y</sub> , V <sub>z</sub>	32.8	-9.3	-0.3	0.5	6.5	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	31.4	-0.8	3.0	-3.5	0.1	
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> , M <sub>y</sub> , V <sub>y</sub>	24.8	-3.8	-2.8	3.8	2.0	
		Pie	Cumple	Cumple	11.2	33.0	52.2	4.8	1.2	64.0	4.8	1.2	64.0	G, H, Q, V <sup>(1)</sup>	N <sub>e</sub>	33.7	4.7	0.8	0.4	4.4	Cumple
														G, H, V <sup>(5)</sup>	M <sub>y</sub>	28.8	7.8	0.7	0.4	6.4	
														G, H, Q, V <sup>(6)</sup>	M <sub>z</sub> , V <sub>y</sub> , NM <sub>y</sub> , M <sub>z</sub> , M <sub>y</sub> , V <sub>y</sub>	25.5	1.4	7.0	3.8	2.0	
														G, H, Q, V <sup>(2)</sup>	V <sub>z</sub> , M <sub>y</sub> , V <sub>z</sub>	33.5	7.7	0.9	0.5	6.5	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(-Yexc.-)																					

## 1.29. P25

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	13.9	43.1	43.1	G, H, V <sup>(2)</sup>	Q	477.9	23.8	1.3	-0.8	-17.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1112.4	55.7	56.8	-0.7	-13.6	
		31.35 m	Cumple	Cumple	13.8	43.6	43.6	G, H, V <sup>(2)</sup>	Q	490.7	-34.5	-1.5	-0.8	-17.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1141.0	54.1	-58.3	-0.4	7.8	
		29.2 m	Cumple	Cumple	13.8	43.6	43.6	G, H, V <sup>(2)</sup>	Q	490.7	-34.5	-1.5	-0.8	-17.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1141.0	54.1	-58.3	-0.4	7.8	
		Pie	Cumple	Cumple	13.8	43.6	43.6	G, H, V <sup>(2)</sup>	Q	490.7	-34.5	-1.5	-0.8	-17.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1141.0	54.1	-58.3	-0.4	7.8	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	22.4	52.1	52.1	G, H, V <sup>(5)</sup>	Q	1253.3	112.1	-37.7	0.7	-43.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1704.4	-125.4	-49.3	0.3	43.4	
		27.75 m	Cumple	Cumple	22.4	52.1	52.1	G, H, V <sup>(5)</sup>	Q	1253.3	112.1	-37.7	0.7	-43.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1704.4	-125.4	-49.3	0.3	43.4	
		25.6 m	Cumple	Cumple	22.4	52.1	52.1	G, H, V <sup>(5)</sup>	Q	1253.3	112.1	-37.7	0.7	-43.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1704.4	-125.4	-49.3	0.3	43.4	
		Pie	Cumple	Cumple	22.4	51.5	51.5	G, H, V <sup>(5)</sup>	Q	1275.1	-102.4	37.4	0.7	-43.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1902.0	92.6	65.1	7.5	1.1	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	23.4	72.6	72.6	G, H, Q, V <sup>(6)</sup>	Q	2426.5	-140.9	63.0	-0.6	45.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2648.1	111.5	-116.8	1.0	-26.9	
		24.15 m	Cumple	Cumple	23.4	72.6	72.6	G, H, Q, V <sup>(6)</sup>	Q	2448.3	131.4	-62.7	-0.6	45.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	2678.6	106.6	-117.7	-0.2	27.8	
		22 m	Cumple	Cumple	23.4	72.6	72.6	G, H, Q, V <sup>(6)</sup>	Q	2448.3	131.4	-62.7	-0.6	45.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	2678.6	106.6	-117.7	-0.2	27.8	
		Pie	Cumple	Cumple	23.4	72.6	72.6	G, H, Q, V <sup>(6)</sup>	Q	2448.3	131.4	-62.7	-0.6	45.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	2678.6	106.6	-117.7	-0.2	27.8	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	26.8	73.2	73.2	G, H, Q, V <sup>(6)</sup>	Q	3144.5	-181.2	73.7	-0.3	62.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3418.9	137.1	-142.9	1.7	-37.0	
		20.55 m	Cumple	Cumple	26.8	73.2	73.2	G, H, Q, V <sup>(6)</sup>	Q	3171.5	167.1	73.0	-0.3	62.5	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3450.6	131.5	143.7	0.2	37.9	
		18.4 m	Cumple	Cumple	26.8	73.2	73.2	G, H, Q, V <sup>(6)</sup>	Q	3171.5	167.1	73.0	-0.3	62.5	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3450.6	131.5	143.7	0.2	37.9	
		Pie	Cumple	Cumple	26.8	73.2	73.2	G, H, Q, V <sup>(6)</sup>	Q	3171.5	167.1	73.0	-0.3	62.5	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3450.6	131.5	143.7	0.2	37.9	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	28.7	86.3	86.3	G, H, Q, V <sup>(9)</sup>	Q	3875.0	-182.9	80.2	-1.3	66.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4203.8	140.3	-160.5	1.6	-37.0	
		16.95 m	Cumple	Cumple	28.7	87.2	87.2	G, H, Q, V <sup>(9)</sup>	Q	3901.9	187.3	-76.8	-1.3	66.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4230.8	146.1	161.0	-0.6	41.3	
		14.8 m	Cumple	Cumple	28.7	87.2	87.2	G, H, Q, V <sup>(9)</sup>	Q	3901.9	187.3	-76.8	-1.3	66.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4230.8	146.1	161.0	-0.6	41.3	
		Pie	Cumple	Cumple	28.7	87.2	87.2	G, H, Q, V <sup>(9)</sup>	Q	3901.9	187.3	-76.8	-1.3	66.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4230.8	146.1	161.0	-0.6	41.3	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	32.2	98.4	98.4	G, H, V <sup>(5)</sup>	Q	3723.0	190.5	-82.3	1.8	-75.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4972.8	141.2	-172.2	0.4	-44.7	
		13.35 m	Cumple	Cumple	32.2	99.4	99.4	G, H, V <sup>(5)</sup>	Q	3749.9	-205.4	-76.5	1.8	-75.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4986.8	151.7	-172.3	-2.8	45.4	
		11.2 m	Cumple	Cumple	32.2	99.4	99.4	G, H, V <sup>(5)</sup>	Q	3749.9	-205.4	-76.5	1.8	-75.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4986.8	151.7	-172.3	-2.8	45.4	
		Pie	Cumple	Cumple	32.2	99.4	99.4	G, H, V <sup>(5)</sup>	Q	3749.9	-205.4	-76.5	1.8	-75.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4986.8	151.7	-172.3	-2.8	45.4	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	13.6	97.2	97.2	G, H, Q, V <sup>(9)</sup>	Q	5311.6	-274.1	191.9	-9.4	37.2	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5767.4	210.2	-279.6	2.8	-20.1	
		9.75 m	Cumple	Cumple	13.6	98.0	98.0	G, H, Q, V <sup>(9)</sup>	Q	5353.0	259.8	-274.7	-9.4	37.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5785.3	219.6	-279.7	-6.5	23.0	
		5.85 m	Cumple	Cumple	13.6	98.0	98.0	G, H, Q, V <sup>(9)</sup>	Q	5353.0	259.8	-274.7	-9.4	37.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5785.3	219.6	-279.7	-6.5	23.0	
		Pie	Cumple	Cumple	13.6	98.0	98.0	G, H, Q, V <sup>(9)</sup>	Q	5353.0	259.8	-274.7	-9.4	37.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5785.3	219.6	-279.7	-6.5	23.0	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.7	98.0	98.0	G, H, V <sup>(12)</sup>	Q	3226.5	238.6	-168.8	-8.6	36.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5785.3	219.6	-279.7	-6.5	23.0	
		Cabeza	Cumple	Cumple	31.4	67.2	67.2	G, H, Q, V <sup>(6)</sup>	Q	6120.4	-382.3	402.3	-11.8	151.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6596.8	-321.7	420.0	-8.5	101.6	
		0.5 m	Cumple	Cumple	31.4	68.6	68.6	G, H, Q, V <sup>(6)</sup>	Q	6203.2	740.8	-315.3	-11.8	151.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6691.6	-376.9	423.3	2.3	-51.8	
		Pie	Cumple	Cumple	31.4	68.6	68.6	G, H, Q, V <sup>(6)</sup>	Q	6203.2	740.8	-315.3	-11.8	151.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6691.6	-376.9	423.3	2.3	-51.8	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.8	68.6	68.6	G, H, V <sup>(13)</sup>	Q	3776.2	518.0	-227.9	-10.5	141.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6691.6	-376.9	423.3	2.3	-51.8	
		Cabeza	Cumple	Cumple	31.1	67.1	67.1	G, H, Q, V <sup>(9)</sup>	Q	6997.4	341.6	-167.6	9.1	-150.0	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7518.8	211.8	-303.1	5.7	-92.2	
		-0.95 m	Cumple	Cumple	31.1	67.1	67.1	G, H, Q, V <sup>(9)</sup>	Q	6997.4	341.6	-167.6	9.1	-150.0	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7518.8	211.8	-303.1	5.7	-92.2	
		-3 m	Cumple	Cumple	31.1	67.1	67.1	G, H, Q, V <sup>(9)</sup>	Q	6997.4	341.6	-167.6	9.1	-150.0	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7518.8	211.8	-303.1	5.7	-92.2	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.7	66.8	66.8	G, H, V <sup>(12)</sup>	Q	4320.8	-128.0	197.4	8.8	-145.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	7576.2	79.7	-304.6	-4.6	83.6	



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
(1) La comprobación no procede														
(2) $PP+CM+H1+1.5\cdot V(-Yexc.-)$														
(3) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(4) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$														
(5) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot V(-Yexc.+)$														
(6) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$														
(7) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(8) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(9) $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$														
(10) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(11) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(12) $PP+CM+H1+1.5\cdot V(+Yexc.+)$														
(13) $PP+CM+1.35\cdot H1+1.5\cdot V(+Yexc.+)$														

## 1.30. P26

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	34.3	62.2	62.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.5	129.4	45.7	-10.8	-53.9	Cumple
		31.35 m	Cumple	Cumple	34.3	62.2	62.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.5	129.4	45.7	-10.8	-53.9	Cumple
		29.2 m	Cumple	Cumple	34.3	62.2	62.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	904.5	129.4	45.7	-10.8	-53.9	Cumple
		Pie	Cumple	Cumple	34.3	51.7	51.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	921.7	-102.7	-46.2	-10.8	-53.9	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	28.2	54.4	54.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1559.2	134.2	69.4	-15.0	-52.9	Cumple
		27.75 m	Cumple	Cumple	28.2	54.4	54.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1559.2	134.2	69.4	-15.0	-52.9	Cumple
		25.6 m	Cumple	Cumple	28.2	54.4	54.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1559.2	134.2	69.4	-15.0	-52.9	Cumple
		Pie	Cumple	Cumple	28.2	53.5	53.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1581.0	-128.1	-69.7	-15.0	-52.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	30.9	69.5	69.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2223.5	163.4	79.3	-12.1	-59.1	Cumple
		24.15 m	Cumple	Cumple	30.9	69.5	69.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2223.5	163.4	79.3	-12.1	-59.1	Cumple
		22 m	Cumple	Cumple	30.9	69.5	69.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2223.5	163.4	79.3	-12.1	-59.1	Cumple
		Pie	Cumple	Cumple	30.9	67.2	67.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2245.3	-147.8	-79.1	-12.1	-59.1	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	34.3	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2885.6	203.8	95.1	-15.3	-78.5	Cumple
		20.55 m	Cumple	Cumple	34.3	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2885.6	203.8	95.1	-15.3	-78.5	Cumple
		18.4 m	Cumple	Cumple	34.3	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2885.6	203.8	95.1	-15.3	-78.5	Cumple
		Pie	Cumple	Cumple	34.3	68.0	68.0	G, H, Q, V <sup>(2)</sup>	Q	2912.5	-191.6	-95.0	-15.3	-78.5	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	34.2	79.1	79.1	G, H, Q, V <sup>(4)</sup>	Q	3558.9	208.3	97.2	-13.6	-78.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3836.3	153.0	124.9	-28.6	-13.5	
		16.95 m	Cumple	Cumple	34.2	79.1	79.1	G, H, Q, V <sup>(4)</sup>	Q	3558.9	208.3	97.2	-13.6	-78.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3836.3	153.0	124.9	-28.6	-13.5	
		14.8 m	Cumple	Cumple	34.2	79.1	79.1	G, H, Q, V <sup>(4)</sup>	Q	3558.9	208.3	97.2	-13.6	-78.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3836.3	153.0	124.9	-28.6	-13.5	
		Pie	Cumple	Cumple	34.2	79.1	79.1	G, H, Q, V <sup>(4)</sup>	Q	3585.8	-197.8	-97.6	-13.6	-78.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3845.8	122.8	-153.2	-16.0	26.4	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	41.2	93.6	93.6	G, H, Q, V <sup>(2)</sup>	Q	4221.2	220.5	98.6	-16.9	-94.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4539.6	163.8	166.3	-20.1	-58.8	
		13.35 m	Cumple	Cumple	41.2	93.6	93.6	G, H, Q, V <sup>(2)</sup>	Q	4221.2	220.5	98.6	-16.9	-94.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4539.6	163.8	166.3	-20.1	-58.8	
		11.2 m	Cumple	Cumple	41.2	93.6	93.6	G, H, Q, V <sup>(2)</sup>	Q	4221.2	220.5	98.6	-16.9	-94.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4539.6	163.8	166.3	-20.1	-58.8	
		Pie	Cumple	Cumple	41.2	92.4	92.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	4248.1	-239.8	-109.2	-16.9	-94.6	Cumple
								G, H, Q, V <sup>(2)</sup>	Q,N,M	4248.1	-239.8	-109.2	-16.9	-94.6	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	15.0	93.3	93.3	G, H, Q, V <sup>(4)</sup>	Q	4897.9	271.5	173.8	-2.2	-42.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5254.9	238.3	273.2	-5.5	-28.8	
		9.75 m	Cumple	Cumple	15.0	93.3	93.3	G, H, Q, V <sup>(4)</sup>	Q	4897.9	271.5	173.8	-2.2	-42.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5254.9	238.3	273.2	-5.5	-28.8	
		5.85 m	Cumple	Cumple	15.0	93.3	93.3	G, H, Q, V <sup>(4)</sup>	Q	4897.9	271.5	173.8	-2.2	-42.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5254.9	238.3	273.2	-5.5	-28.8	
		Pie	Cumple	Cumple	15.0	90.8	90.8	G, H, Q, V <sup>(4)</sup>	Q	4939.2	-276.8	-174.7	-2.2	-42.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5290.2	-273.7	-188.5	-8.5	-24.5	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.9	90.8	90.8	G, H, V <sup>(9)</sup>	Q	3011.9	-241.9	144.6	1.1	-38.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5290.2	-273.7	-188.5	-8.5	-24.5	
		Cabeza	Cumple	Cumple	25.7	62.3	62.3	G, H, Q, V <sup>(2)</sup>	Q	5648.4	171.7	382.8	-8.8	-123.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6042.7	307.3	399.2	-13.1	-75.8	
		0.5 m	Cumple	Cumple	25.7	63.9	63.9	G, H, Q, V <sup>(2)</sup>	Q	5731.2	-448.0	-284.8	-8.8	-123.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6118.1	-380.2	-402.2	-16.5	-62.0	
		Pie	Cumple	Cumple	25.7	63.9	63.9	G, H, Q, V <sup>(2)</sup>	Q	5731.2	-448.0	-284.8	-8.8	-123.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6118.1	-380.2	-402.2	-16.5	-62.0	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.2	63.9	63.9	G, H, V <sup>(10)</sup>	Q	3377.4	505.3	-226.5	-17.3	120.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6118.1	-380.2	-402.2	-16.5	-62.0	
		Cabeza	Cumple	Cumple	38.6	61.5	61.5	G, H, Q, V <sup>(11)</sup>	Q	6306.7	417.7	170.8	-13.9	-185.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6896.0	-149.6	286.1	-29.2	67.7	
		-3 m	Cumple	Cumple	38.6	61.6	61.6	G, H, Q, V <sup>(11)</sup>	Q	6358.8	-167.9	-270.2	-13.9	-185.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6948.1	63.6	-287.5	-29.2	67.7	
		Pie	Cumple	Cumple	38.6	61.6	61.6	G, H, Q, V <sup>(11)</sup>	Q	6358.8	-167.9	-270.2	-13.9	-185.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6948.1	63.6	-287.5	-29.2	67.7	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.8	61.6	61.6	G, H, V <sup>(12)</sup>	Q	3883.4	-156.1	-105.3	-5.0	-172.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6948.1	63.6	-287.5	-29.2	67.7	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(9)</sup> PP+CM+1.35·H1+1.5·V(-Yexc.+) <sup>(10)</sup> PP+CM+1.35·H1+1.5·V(+Yexc.+) <sup>(11)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(12)</sup> PP+CM+H1+1.5·V(+Yexc.+)															

## 1.31. P26a

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.4	40.4	22.6	5.0	1.2	53.4	5.0	1.2	53.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	34.2	-6.9	0.1	-0.3	4.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> V <sub>2</sub> NM <sub>1</sub> M <sub>2</sub> M <sub>1</sub> V <sub>2</sub>	33.9	-9.5	0.3	-0.4	6.8	
														G, H, Q, V <sup>(3)</sup>	M <sub>2</sub>	32.5	-1.0	-3.0	3.5	0.3	
														G, H, Q, V <sup>(4)</sup>	V <sub>1</sub> M <sub>1</sub> V <sub>1</sub>	26.0	-4.0	2.8	-3.7	2.2	
		Pie	Cumple	Cumple	11.6	34.4	51.6	5.0	1.2	65.6	5.0	1.2	65.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	34.9	5.2	-0.7	-0.3	4.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> V <sub>2</sub> M <sub>1</sub> V <sub>2</sub>	34.6	8.1	-0.8	-0.4	6.8	
														G, H, Q, V <sup>(3)</sup>	M <sub>2</sub> V <sub>1</sub> NM <sub>1</sub> M <sub>2</sub> M <sub>1</sub> V <sub>1</sub>	26.7	1.8	-7.0	-3.7	2.2	

Notas:

<sup>(1)</sup> 1.35 PP+1.35 CM+0.7 H1+1.5 Qa+0.9 V(+Yexc.+)

<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 H1+1.05 Qa+1.5 V(+Yexc.+)

<sup>(3)</sup> 1.35 PP+1.35 CM+0.7 H1+1.05 Qa+1.5 V(+Yexc.+)

<sup>(4)</sup> 1.35 PP+1.35 CM+1.35 H1+1.05 Qa+1.5 V(-Yexc.+)

## 1.32. P27

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	14.1	42.8	42.8	G, H, V <sup>(2)</sup>	Q	492.3	-24.1	1.5	-0.8	18.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1114.2	54.0	56.9	0.0	-12.2	
		31.35 m	Cumple	Cumple	14.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	505.0	35.8	-1.0	-0.8	18.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1142.7	57.7	-58.4	-0.4	9.9	
		29.2 m	Cumple	Cumple	14.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	505.0	35.8	-1.0	-0.8	18.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1142.7	57.7	-58.4	-0.4	9.9	
		Pie	Cumple	Cumple	14.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	505.0	35.8	-1.0	-0.8	18.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1142.7	57.7	-58.4	-0.4	9.9	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón																		
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado			
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)				
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	24.5	54.6	54.6	G, H, Q, V <sup>(5)</sup>	Q	1713.3	-134.0	-50.0	0.5	47.7	Cumple			
		27.75 m	Cumple	Cumple	24.5	54.6	54.6	G, H, Q, V <sup>(5)</sup>	Q	1713.3	-134.0	-50.0	0.5	47.7	Cumple			
		25.6 m	Cumple	Cumple	24.5	54.6	54.6	G, H, Q, V <sup>(5)</sup>	Q	1713.3	-134.0	-50.0	0.5	47.7	Cumple			
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	27.5	73.5	73.5	G, H, Q, V <sup>(5)</sup>	Q	2444.5	-155.9	63.4	-0.7	53.6	Cumple			
								G, H, Q, V <sup>(3)</sup>	N,M	2668.2	115.0	-117.4	2.0	-28.5				
		24.15 m	Cumple	Cumple	27.5	74.0	74.0	G, H, Q, V <sup>(5)</sup>	Q	2466.2	142.7	-63.2	-0.7	53.6	Cumple			
		22 m	Cumple	Cumple	27.5	74.0	74.0	G, H, Q, V <sup>(5)</sup>	Q	2466.2	142.7	-63.2	-0.7	53.6	Cumple			
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.7	74.1	74.1	G, H, Q, V <sup>(5)</sup>	Q	3170.9	-202.1	74.9	-0.9	73.9	Cumple			
								G, H, Q, V <sup>(3)</sup>	N,M	3447.8	142.6	-143.7	2.7	-39.7				
		20.55 m	Cumple	Cumple	31.7	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q	3197.8	183.9	-74.0	-0.9	73.9	Cumple			
		18.4 m	Cumple	Cumple	31.7	74.8	74.8	G, H, Q, V <sup>(5)</sup>	Q	3197.8	183.9	-74.0	-0.9	73.9	Cumple			
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	34.8	87.4	87.4	G, H, Q, V <sup>(8)</sup>	Q	3909.4	-206.4	81.4	-1.9	81.1	Cumple			
								G, H, Q, V <sup>(3)</sup>	N,M	4241.3	147.2	-161.2	2.8	-40.5				
		16.95 m	Cumple	Cumple	34.8	87.8	87.8	G, H, Q, V <sup>(8)</sup>	Q	3936.3	210.1	-77.7	-1.9	81.1	Cumple			
		14.8 m	Cumple	Cumple	34.8	87.8	87.8	G, H, Q, V <sup>(8)</sup>	Q	3936.3	210.1	-77.7	-1.9	81.1	Cumple			
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	38.6	97.1	97.1	G, H, V <sup>(10)</sup>	Q	3754.4	213.1	-85.8	2.1	-88.8	Cumple			
								G, H, Q, V <sup>(3)</sup>	N,M	5020.5	156.2	-176.5	-0.2	-52.5				
		13.35 m	Cumple	Cumple	38.6	98.3	98.3	G, H, V <sup>(10)</sup>	Q	3781.3	-231.1	-79.0	2.1	-88.8	Cumple			
		11.2 m	Cumple	Cumple	38.6	98.3	98.3	G, H, V <sup>(10)</sup>	Q	3781.3	-231.1	-79.0	2.1	-88.8	Cumple			
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	16.7	93.7	93.7	G, H, Q, V <sup>(8)</sup>	Q	5360.7	-299.2	206.0	-10.5	47.9	Cumple			
								G, H, Q, V <sup>(11)</sup>	N,M	5826.8	224.0	-293.0	1.0	-19.5				
		9.75 m	Cumple	Cumple	16.7	95.6	95.6	G, H, Q, V <sup>(8)</sup>	Q	5402.0	296.4	-202.3	-10.5	47.9	Cumple			
		5.85 m	Cumple	Cumple	16.7	95.6	95.6	G, H, Q, V <sup>(8)</sup>	Q	5402.0	296.4	-202.3	-10.5	47.9	Cumple			
P. primera +5.35 (-0.1 - 5.25 m)	50x100	Cabeza	Cumple	Cumple	41.1	65.8	65.8	G, H, Q, V <sup>(5)</sup>	Q	6165.9	-296.8	309.4	-12.7	209.4	Cumple			
								G, H, Q, V <sup>(14)</sup>	N,M	6668.9	-353.3	-426.9	8.0	74.1				
		0.5 m	Cumple	Cumple	41.1	68.0	68.0	G, H, Q, V <sup>(5)</sup>	Q	6248.6	750.4	-323.6	-12.7	209.4	Cumple			
		Pie	Cumple	Cumple	41.1	68.0	68.0	G, H, Q, V <sup>(5)</sup>	Q	6248.6	750.4	-323.6	-12.7	209.4	Cumple			
								G, H, Q, V <sup>(4)</sup>	N,M	6733.8	743.2	-322.8	-10.3	159.7				
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.2	68.0	68.0	G, H, V <sup>(15)</sup>	Q	5137.4	717.3	-293.6	-11.4	198.8	Cumple			
								G, H, Q, V <sup>(4)</sup>	N,M	6733.8	743.2	-322.8	-10.3	159.7				
		Cabeza	Cumple	Cumple	42.2	65.3	65.3	G, H, Q, V <sup>(16)</sup>	Q	7140.4	-470.6	177.5	-12.5	215.2	Cumple			
								G, H, Q, V <sup>(12)</sup>	N,M	7642.0	148.9	-309.2	0.8	-62.9				
		-3 m	Cumple	Cumple	42.2	65.9	65.9	G, H, Q, V <sup>(16)</sup>	Q	7192.6	207.4	-296.7	-12.5	215.2	Cumple			
								G, H, Q, V <sup>(3)</sup>	N,M	7714.8	145.5	-311.1	-9.4	147.8				
Pie	Cumple	Cumple	42.2	65.9	65.9	G, H, Q, V <sup>(16)</sup>	Q	7192.6	207.4	-296.7	-12.5	215.2	Cumple					
						G, H, Q, V <sup>(3)</sup>	N,M	7714.8	145.5	-311.1	-9.4	147.8						



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.4	65.9	65.9	G, H, V <sup>(17)</sup>	Q	4419.0	187.8	-126.2	-10.9	197.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	7714.8	145.5	-311.1	-9.4	147.8	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.+)$ <sup>(3)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$ <sup>(4)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.+)$ <sup>(5)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$ <sup>(6)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(7)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$ <sup>(8)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$ <sup>(9)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$ <sup>(10)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot V(-Yexc.-)$ <sup>(11)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(12)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$ <sup>(13)</sup> $PP+CM+HI+1.5 \cdot V(+Yexc.-)$ <sup>(14)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$ <sup>(15)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.-)$ <sup>(16)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(17)</sup> $PP+CM+1.35 \cdot HI+1.5 \cdot V(-Yexc.-)$															

## 1.33. P28

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	38.6	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	891.0	141.9	49.2	-12.3	-60.7	Cumple
		31.35 m	Cumple	Cumple	38.6	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	891.0	141.9	49.2	-12.3	-60.7	Cumple
		29.2 m	Cumple	Cumple	38.6	69.0	69.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	891.0	141.9	49.2	-12.3	-60.7	Cumple
		Pie	Cumple	Cumple	38.6	54.7	54.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	908.2	-111.3	-46.6	-12.3	-60.7	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	31.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1534.4	147.6	64.7	-12.8	-60.9	Cumple
		27.75 m	Cumple	Cumple	31.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1534.4	147.6	64.7	-12.8	-60.9	Cumple
		25.6 m	Cumple	Cumple	31.9	56.2	56.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1534.4	147.6	64.7	-12.8	-60.9	Cumple
		Pie	Cumple	Cumple	31.9	54.9	54.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1556.2	-139.1	-65.8	-12.8	-60.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	36.1	72.1	72.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2187.9	181.8	76.6	-10.7	-69.6	Cumple
		24.15 m	Cumple	Cumple	36.1	72.1	72.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2187.9	181.8	76.6	-10.7	-69.6	Cumple
		22 m	Cumple	Cumple	36.1	72.1	72.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2187.9	181.8	76.6	-10.7	-69.6	Cumple
		Pie	Cumple	Cumple	36.1	68.8	68.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	2209.7	-162.6	-76.4	-10.7	-69.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	39.9	71.1	71.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2840.1	227.6	91.7	-13.6	-92.0	Cumple
		20.55 m	Cumple	Cumple	39.9	71.1	71.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2840.1	227.6	91.7	-13.6	-92.0	Cumple
		18.4 m	Cumple	Cumple	39.9	71.1	71.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2840.1	227.6	91.7	-13.6	-92.0	Cumple
		Pie	Cumple	Cumple	39.9	69.4	69.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	2867.0	-210.8	-91.9	-13.6	-92.0	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	41.3	80.7	80.7	G, H, Q, V <sup>(3)</sup>	Q	3504.3	235.4	94.1	-11.6	-95.6	Cumple
		16.95 m	Cumple	Cumple	41.3	80.7	80.7	G, H, Q, V <sup>(2)</sup>	N,M	3504.3	235.5	94.1	-11.6	-95.6	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	3504.3	235.4	94.1	-11.6	-95.6	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	3504.3	235.5	94.1	-11.6	-95.6	Cumple
		14.8 m	Cumple	Cumple	41.3	80.7	80.7	G, H, Q, V <sup>(3)</sup>	Q	3504.3	235.4	94.1	-11.6	-95.6	Cumple
Pie	Cumple	Cumple	41.3	79.7	79.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	3531.2	-225.5	-93.8	-11.6	-95.6	Cumple		
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	48.3	91.6	91.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	4160.0	252.3	93.7	-13.6	-111.9	Cumple
		13.35 m	Cumple	Cumple	48.3	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4186.9	-264.3	-103.5	-13.6	-111.9	Cumple
		11.2 m	Cumple	Cumple	48.3	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4186.9	-264.3	-103.5	-13.6	-111.9	Cumple
		Pie	Cumple	Cumple	48.3	93.7	93.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	4186.9	-264.3	-103.5	-13.6	-111.9	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	17.1	93.0	93.0	G, H, Q, V <sup>(3)</sup>	Q	4831.5	284.4	170.9	-1.4	-48.1	Cumple
		9.75 m	Cumple	Cumple	17.1	93.0	93.0	G, H, Q, V <sup>(4)</sup>	N,M	5175.3	247.9	271.9	-4.4	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	4831.5	284.4	170.9	-1.4	-48.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5175.3	247.9	271.9	-4.4	-32.8	Cumple
		5.85 m	Cumple	Cumple	17.1	93.0	93.0	G, H, Q, V <sup>(3)</sup>	Q	4831.5	284.4	170.9	-1.4	-48.1	Cumple
		Pie	Cumple	Cumple	17.1	89.7	89.7	G, H, Q, V <sup>(4)</sup>	N,M	5175.3	247.9	271.9	-4.4	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	4872.9	-293.3	-173.4	-1.4	-48.1	Cumple
							G, H, Q, V <sup>(5)</sup>	N,M	5122.0	209.9	-270.9	-11.7	15.4		



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	89.7	89.7	G, H, V <sup>(6)</sup>	Q	2980.1	-256.5	144.2	1.4	-44.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5122.0	209.9	-270.9	-11.7	15.4	
		Cabeza	Cumple	Cumple	30.8	61.7	61.7	G, H, Q, V <sup>(7)</sup>	Q	5380.9	-112.0	370.9	-22.8	146.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5957.0	317.1	395.8	-12.3	-87.2	
		4.4 m	Cumple	Cumple	30.8	61.7	61.7	G, H, Q, V <sup>(7)</sup>	Q	5380.9	-112.0	370.9	-22.8	146.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5957.0	317.1	395.8	-12.3	-87.2	
		0.5 m	Cumple	Cumple	30.8	61.7	61.7	G, H, Q, V <sup>(7)</sup>	Q	5380.9	-112.0	370.9	-22.8	146.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5957.0	317.1	395.8	-12.3	-87.2	
		Pie	Cumple	Cumple	30.8	61.4	61.4	G, H, Q, V <sup>(7)</sup>	Q	5463.6	622.6	-329.1	-22.8	146.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5986.5	259.1	-397.0	-30.2	8.4	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.9	61.4	61.4	G, H, V <sup>(9)</sup>	Q	3499.1	-532.9	185.4	-2.3	-141.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5986.5	259.1	-397.0	-30.2	8.4	
		Cabeza	Cumple	Cumple	48.8	60.9	60.9	G, H, Q, V <sup>(10)</sup>	Q	6188.4	522.1	162.9	-10.7	-235.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6809.2	-166.7	283.6	-26.0	75.8	
		-0.95 m	Cumple	Cumple	48.8	60.9	60.9	G, H, Q, V <sup>(10)</sup>	Q	6188.4	522.1	162.9	-10.7	-235.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6809.2	-166.7	283.6	-26.0	75.8	
		-3 m	Cumple	Cumple	48.8	60.9	60.9	G, H, Q, V <sup>(10)</sup>	Q	6188.4	522.1	162.9	-10.7	-235.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6809.2	-166.7	283.6	-26.0	75.8	
		Pie	Cumple	Cumple	48.8	60.9	60.9	G, H, Q, V <sup>(10)</sup>	Q	6240.6	-218.9	-153.6	-10.7	-235.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6861.4	72.1	-285.1	-26.0	75.8	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.3	60.9	60.9	G, H, V <sup>(12)</sup>	Q	3806.3	-201.7	-101.3	-3.3	-216.5	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6861.4	72.1	-285.1	-26.0	75.8	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(6)</sup> PP+CM+1.35·H1+1.5·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(9)</sup> PP+CM+H1+1.5·V(-Yexc.+) <sup>(10)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(11)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(12)</sup> PP+CM+H1+1.5·V(+Yexc.+)															

## 1.34. P28a

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>L</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>z</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.0	39.7	21.3	4.8	1.1	52.4	4.8	1.1	52.4	G. H. Q. V <sup>(1)</sup>	N <sub>z</sub>	33.1	-6.7	0.1	-0.4	4.4	Cumple
														G. H. Q. V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> M <sub>z</sub> , M <sub>z</sub> V <sub>y</sub>	33.0	-9.4	0.3	-0.5	6.6	
														G. H. Q. V <sup>(3)</sup>	M <sub>z</sub>	31.7	-0.9	-2.9	3.3	0.1	
														G. H. Q. V <sup>(4)</sup>	V <sub>y</sub> , M <sub>y</sub> V <sub>y</sub>	24.7	-3.8	2.7	-3.6	2.0	
														G. H. Q. V <sup>(5)</sup>	N <sub>y</sub>	33.8	4.8	-0.8	-0.4	4.4	
		Pie	Cumple	Cumple	11.3	33.3	49.7	4.8	1.1	61.6	4.8	1.1	61.6	G. H. V <sup>(5)</sup>	M <sub>y</sub>	29.0	7.9	-0.7	-0.4	6.4	Cumple
														G. H. Q. V <sup>(6)</sup>	M <sub>z</sub> , V <sub>y</sub> , NM <sub>y</sub> M <sub>z</sub> , M <sub>z</sub> V <sub>y</sub>	25.4	1.4	-6.7	-3.6	2.0	
														G. H. Q. V <sup>(7)</sup>	V <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	33.7	7.8	-0.9	-0.5	6.6	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)																					

## 1.35. P29

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myx (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	15.2	43.0	43.0	G, H, V <sup>(2)</sup>	Q	489.1	-25.1	1.8	-0.7	19.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1117.9	54.3	57.1	-1.0	-12.0	
		31.35 m	Cumple	Cumple	15.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	501.8	39.2	-0.6	-0.7	19.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1144.6	57.2	-58.5	-0.8	9.1	
		29.2 m	Cumple	Cumple	15.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	501.8	39.2	-0.6	-0.7	19.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1144.6	57.2	-58.5	-0.8	9.1	
		Pie	Cumple	Cumple	15.0	44.4	44.4	G, H, V <sup>(2)</sup>	Q	501.8	39.2	-0.6	-0.7	19.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1144.6	57.2	-58.5	-0.8	9.1	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	31.4	59.9	59.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1718.4	-150.4	-53.5	2.3	56.8	Cumple
		27.75 m	Cumple	Cumple	31.4	59.9	59.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1718.4	-150.4	-53.5	2.3	56.8	Cumple
		25.6 m	Cumple	Cumple	31.4	59.9	59.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1718.4	-150.4	-53.5	2.3	56.8	Cumple
		Pie	Cumple	Cumple	31.4	56.4	56.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	1740.2	133.6	53.5	2.3	56.8	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	36.6	76.4	76.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	2454.6	-177.8	-62.3	0.5	66.3	Cumple
		24.15 m	Cumple	Cumple	36.6	76.5	76.5	G, H, Q, V <sup>(5)</sup>	Q	2476.4	161.3	63.1	0.5	66.3	Cumple
		22 m	Cumple	Cumple	36.6	76.5	76.5	G, H, Q, V <sup>(4)</sup>	N,M	2710.8	113.2	117.9	1.9	32.4	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	2476.4	161.3	63.1	0.5	66.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2710.8	113.2	117.9	1.9	32.4	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	2476.4	161.3	63.1	0.5	66.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2710.8	113.2	117.9	1.9	32.4	Cumple
		Pie	Cumple	Cumple	36.6	76.5	76.5	G, H, Q, V <sup>(4)</sup>	N,M	2710.8	113.2	117.9	1.9	32.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	39.7	75.2	75.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	3184.8	-234.8	-74.2	1.2	92.7	Cumple
		20.55 m	Cumple	Cumple	39.7	75.2	75.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	3184.8	-234.8	-74.2	1.2	92.7	Cumple
		18.4 m	Cumple	Cumple	39.7	75.2	75.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	3184.8	-234.8	-74.2	1.2	92.7	Cumple
		Pie	Cumple	Cumple	39.7	74.9	74.9	G, H, Q, V <sup>(5)</sup>	Q	3211.8	212.3	75.7	1.2	92.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3496.5	141.7	144.9	3.0	44.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	44.4	88.9	88.9	G, H, Q, V <sup>(6)</sup>	Q	3927.1	-242.4	78.4	-0.2	103.7	Cumple
		16.95 m	Cumple	Cumple	44.4	89.3	89.3	G, H, Q, V <sup>(5)</sup>	N,M	4263.4	159.5	-161.6	3.6	-48.1	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	3954.0	247.3	77.6	-0.2	103.7	Cumple
		14.8 m	Cumple	Cumple	44.4	89.3	89.3	G, H, Q, V <sup>(7)</sup>	N,M	4290.3	160.3	162.1	2.0	49.4	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	3954.0	247.3	77.6	-0.2	103.7	Cumple
		Pie	Cumple	Cumple	44.4	89.3	89.3	G, H, Q, V <sup>(7)</sup>	N,M	4290.3	160.3	162.1	2.0	49.4	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	3954.0	247.3	77.6	-0.2	103.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4290.3	160.3	162.1	2.0	49.4	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	41.0	98.9	98.9	G, H, Q, V <sup>(5)</sup>	Q	4646.1	-238.7	84.7	-3.3	101.8	Cumple
		13.35 m	Cumple	Cumple	41.0	98.9	98.9	G, H, Q, V <sup>(5)</sup>	N,M	5048.4	169.5	-176.0	2.0	-59.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	4646.1	-238.7	84.7	-3.3	101.8	Cumple
		11.2 m	Cumple	Cumple	41.0	98.9	98.9	G, H, Q, V <sup>(5)</sup>	N,M	5048.4	169.5	-176.0	2.0	-59.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	4646.1	-238.7	84.7	-3.3	101.8	Cumple
		Pie	Cumple	Cumple	41.0	97.6	97.6	G, H, Q, V <sup>(5)</sup>	N,M	5048.4	169.5	-176.0	2.0	-59.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	4673.0	246.5	-80.5	-3.3	101.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5063.8	148.6	-176.2	-0.3	44.0	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	19.1	94.3	94.3	G, H, Q, V <sup>(6)</sup>	Q	5392.8	-316.3	199.3	-7.8	55.4	Cumple
		9.75 m	Cumple	Cumple	19.1	96.8	96.8	G, H, Q, V <sup>(8)</sup>	N,M	5869.7	226.7	-293.5	3.2	-22.1	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	5434.2	316.5	-195.4	-7.8	55.4	Cumple
		5.85 m	Cumple	Cumple	19.1	96.8	96.8	G, H, Q, V <sup>(9)</sup>	N,M	5878.5	265.9	-293.7	-5.2	36.4	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	5434.2	316.5	-195.4	-7.8	55.4	Cumple
		Pie	Cumple	Cumple	19.1	96.8	96.8	G, H, Q, V <sup>(9)</sup>	N,M	5878.5	265.9	-293.7	-5.2	36.4	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	5434.2	316.5	-195.4	-7.8	55.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5878.5	265.9	-293.7	-5.2	36.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.9	99.3	99.3	G, H, V <sup>(10)</sup>	Q	3269.5	280.6	-164.9	-7.1	52.1	Cumple
		Cabeza	Cumple	Cumple	51.6	67.4	67.4	G, H, Q, V <sup>(9)</sup>	N,M	5878.5	256.6	-284.4	-5.2	36.4	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	6185.3	-541.8	283.6	-1.7	247.2	Cumple
		0.5 m	Cumple	Cumple	51.6	74.2	74.2	G, H, Q, V <sup>(11)</sup>	N,M	6694.4	-369.4	423.6	-9.8	93.9	Cumple
		Pie	Cumple	Cumple	51.6	74.2	74.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	6268.1	1062.9	-288.3	-1.7	247.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.6	74.2	74.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	6268.1	1062.9	-288.3	-1.7	247.2	Cumple
		Cabeza	Cumple	Cumple	54.1	67.3	67.3	G, H, Q, V <sup>(12)</sup>	Q	7192.2	-563.8	-173.0	10.8	259.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7686.6	187.2	-307.8	25.2	-81.1	Cumple
		-3 m	Cumple	Cumple	54.1	67.8	67.8	G, H, Q, V <sup>(12)</sup>	Q	7244.4	252.7	162.8	10.8	259.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7767.5	174.8	309.9	14.8	176.3	Cumple
		Pie	Cumple	Cumple	54.1	67.8	67.8	G, H, Q, V <sup>(12)</sup>	Q	7244.4	252.7	162.8	10.8	259.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7767.5	174.8	309.9	14.8	176.3	Cumple
								G, H, Q, V <sup>(12)</sup>	Q	7244.4	252.7	162.8	10.8	259.2	Cumple
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.0	67.8	67.8	G, H, Q, V <sup>(12)</sup>	Q	7244.4	252.7	162.8	10.8	259.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7767.5	174.8	309.9	14.8	176.3	Cumple

Notas:  
(1) La comprobación no procede  
(2) PP+CM+1.35·HI+1.5·V(+Yexc.+)  
(3) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)  
(4) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)  
(5) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)  
(6) 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)  
(7) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)  
(8) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)  
(9) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)  
(10) PP+CM+HI+1.5·V(+Yexc.+)  
(11) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)  
(12) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.36. P30

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	40.9	85.2	85.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	840.4	132.8	-76.3	23.6	-56.0	Cumple
		31.35 m	Cumple	Cumple	40.9	85.2	85.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	840.4	132.8	-76.3	23.6	-56.0	Cumple
		29.2 m	Cumple	Cumple	40.9	85.2	85.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	840.4	132.8	-76.3	23.6	-56.0	Cumple
		Pie	Cumple	Cumple	40.9	58.2	58.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	857.6	-102.1	53.3	23.6	-56.0	Cumple
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.2	58.2	58.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	857.6	-102.1	53.3	23.6	-56.0	Cumple
		Cabeza	Cumple	Cumple	31.9	55.3	55.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1533.7	143.3	-46.5	2.9	-57.6	Cumple
		27.75 m	Cumple	Cumple	31.9	55.3	55.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1533.7	143.3	-46.5	2.9	-57.6	Cumple
		25.6 m	Cumple	Cumple	31.9	55.3	55.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1533.7	143.3	-46.5	2.9	-57.6	Cumple
		Pie	Cumple	Cumple	31.9	53.9	53.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1555.5	-132.7	51.5	2.9	-57.6	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	39.1	76.0	76.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2236.1	184.7	-73.0	7.7	-70.5	Cumple
		24.15 m	Cumple	Cumple	39.1	76.0	76.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2236.1	184.7	-73.0	7.7	-70.5	Cumple
		22 m	Cumple	Cumple	39.1	76.0	76.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2236.1	184.7	-73.0	7.7	-70.5	Cumple
		Pie	Cumple	Cumple	39.1	71.6	71.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2257.9	-163.2	71.0	7.7	-70.5	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	41.0	72.9	72.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2937.7	235.1	-85.8	9.1	-95.3	Cumple
		20.55 m	Cumple	Cumple	41.0	72.9	72.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2937.7	235.1	-85.8	9.1	-95.3	Cumple
		18.4 m	Cumple	Cumple	41.0	72.9	72.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2937.7	235.1	-85.8	9.1	-95.3	Cumple
		Pie	Cumple	Cumple	41.0	70.8	70.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	2964.6	-216.1	85.3	9.1	-95.3	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	43.6	83.8	83.8	G, H, Q, V <sup>(3)</sup>	Q	3652.1	247.2	-90.2	8.4	-101.4	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	3652.1	247.2	-90.2	8.4	-101.4	
		16.95 m	Cumple	Cumple	43.6	83.8	83.8	G, H, Q, V <sup>(3)</sup>	Q	3652.1	247.2	-90.2	8.4	-101.4	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	3652.1	247.2	-90.2	8.4	-101.4	
		14.8 m	Cumple	Cumple	43.6	83.8	83.8	G, H, Q, V <sup>(3)</sup>	Q	3652.1	247.2	-90.2	8.4	-101.4	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	3652.1	247.2	-90.2	8.4	-101.4	
		Pie	Cumple	Cumple	43.6	82.9	82.9	G, H, Q, V <sup>(3)</sup>	Q	3679.0	-233.8	88.7	8.4	-101.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3924.9	153.5	154.9	3.8	45.1	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	49.7	95.3	95.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	4357.6	260.4	-93.8	9.9	-115.5	Cumple
		13.35 m	Cumple	Cumple	49.7	96.3	96.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	4384.5	-267.2	90.4	9.9	-115.5	Cumple
		11.2 m	Cumple	Cumple	49.7	96.3	96.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	4384.5	-267.2	90.4	9.9	-115.5	Cumple
		Pie	Cumple	Cumple	49.7	96.3	96.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	4384.5	-267.2	90.4	9.9	-115.5	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	20.4	99.9	99.9	G, H, V <sup>(5)</sup>	Q	4051.6	-286.8	191.6	-16.7	55.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5434.8	232.2	-264.0	-4.0	-33.8	
		9.75 m	Cumple	Cumple	20.4	99.9	99.9	G, H, V <sup>(5)</sup>	Q	4051.6	-286.8	191.6	-16.7	55.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5434.8	232.2	-264.0	-4.0	-33.8	
		5.85 m	Cumple	Cumple	20.4	99.9	99.9	G, H, V <sup>(5)</sup>	Q	4051.6	-286.8	191.6	-16.7	55.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5434.8	232.2	-264.0	-4.0	-33.8	
		Pie	Cumple	Cumple	20.4	99.8	99.8	G, H, V <sup>(5)</sup>	Q	4093.0	304.9	-208.4	-16.7	55.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5375.2	241.6	-263.5	-14.0	32.5	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.8	99.8	99.8	G, H, Q, V <sup>(3)</sup>	Q	5134.6	-308.2	-171.2	-0.5	-55.4	Cumple
		Cabeza	Cumple	Cumple	23.2	84.9	84.9	G, H, Q, V <sup>(4)</sup>	N,M	5375.2	241.6	-263.5	-14.0	32.5	Cumple
								G, H, Q, V <sup>(7)</sup>	Q	5818.5	-326.5	306.8	-41.3	78.1	
		0.5 m	Cumple	Cumple	23.2	86.1	86.1	G, H, Q, V <sup>(7)</sup>	Q,N,M	5878.1	457.1	-292.6	-41.3	78.1	Cumple
		Pie	Cumple	Cumple	23.2	86.1	86.1	G, H, Q, V <sup>(7)</sup>	Q,N,M	5878.1	457.1	-292.6	-41.3	78.1	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	16.6	86.3	86.3	G, H, Q, V <sup>(9)</sup>	Q	6755.2	238.2	239.9	-9.4	-62.5	Cumple
		-0.95 m	Cumple	Cumple	16.6	86.3	86.3	G, H, Q, V <sup>(10)</sup>	N,M	7410.6	-252.8	153.7	-24.1	31.4	Cumple
								G, H, Q, V <sup>(9)</sup>	Q	6792.7	-240.7	-115.2	-9.4	-62.5	
		-3 m	Cumple	Cumple	16.6	86.3	86.3	G, H, Q, V <sup>(10)</sup>	N,M	7448.1	137.7	-253.4	-24.1	31.4	Cumple
								G, H, Q, V <sup>(9)</sup>	Q	6792.7	-240.7	-115.2	-9.4	-62.5	
		Pie	Cumple	Cumple	16.6	86.3	86.3	G, H, Q, V <sup>(10)</sup>	N,M	7448.1	137.7	-253.4	-24.1	31.4	Cumple
								G, H, Q, V <sup>(9)</sup>	Q	6792.7	-240.7	-115.2	-9.4	-62.5	
		Pie	Cumple	Cumple	16.6	86.3	86.3	G, H, Q, V <sup>(10)</sup>	N,M	7448.1	137.7	-253.4	-24.1	31.4	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.3	86.3	86.3	G, H, Q, V <sup>(3)</sup>	Q	7013.4	163.6	-245.2	-27.4	56.0	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7448.1	137.7	-253.4	-24.1	31.4	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(-Yexc.+)

<sup>(3)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.+)

<sup>(4)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(+Yexc.+)

<sup>(5)</sup> 1.35-PP+1.35-CM+H1+1.5-V(+Yexc.+)

<sup>(6)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9-V(-Yexc.+)

<sup>(7)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(+Yexc.+)

<sup>(8)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9-V(-Yexc.+)

<sup>(9)</sup> 1.35-PP+1.35-CM+H1+1.05-Qa+1.5-V(+Yexc.+)

<sup>(10)</sup> 1.35-PP+1.35-CM+H1+1.5-Qa+0.9-V(-Yexc.+)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.37. P31

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	26.0	51.8	51.8	G, H, V <sup>(2)</sup>	Q	570.2	-57.2	4.7	-1.9	33.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1167.0	73.6	61.7	-10.7	-18.0	
		31.35 m	Cumple	Cumple	26.0	51.8	51.8	G, H, V <sup>(2)</sup>	Q	570.2	-57.2	4.7	-1.9	33.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1167.0	73.6	61.7	-10.7	-18.0	
		29.2 m	Cumple	Cumple	26.0	51.8	51.8	G, H, V <sup>(2)</sup>	Q	570.2	-57.2	4.7	-1.9	33.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1167.0	73.6	61.7	-10.7	-18.0	
		Pie	Cumple	Cumple	25.7	49.8	49.8	G, H, V <sup>(2)</sup>	Q	582.9	51.8	-1.3	-1.9	33.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1087.8	86.3	-42.1	-9.3	31.4	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	33.4	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1795.7	-159.1	-61.8	5.2	60.3	Cumple
		27.75 m	Cumple	Cumple	33.4	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1795.7	-159.1	-61.8	5.2	60.3	Cumple
		25.6 m	Cumple	Cumple	33.4	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1795.7	-159.1	-61.8	5.2	60.3	Cumple
		Pie	Cumple	Cumple	33.4	59.6	59.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1817.5	140.5	59.0	5.2	60.3	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	40.9	80.2	80.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	2524.3	-193.2	-63.0	0.6	74.1	Cumple
		24.15 m	Cumple	Cumple	40.9	80.2	80.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	2524.3	-193.2	-63.0	0.6	74.1	Cumple
		22 m	Cumple	Cumple	40.9	80.2	80.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	2524.3	-193.2	-63.0	0.6	74.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	2546.1	172.5	63.8	0.6	74.1	
		Pie	Cumple	Cumple	40.9	78.3	78.3	G, H, Q, V <sup>(6)</sup>	N,M	2768.1	117.7	119.4	1.8	35.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	44.2	78.7	78.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3245.5	-254.2	-77.3	3.6	103.0	Cumple
		20.55 m	Cumple	Cumple	44.2	78.7	78.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3245.5	-254.2	-77.3	3.6	103.0	Cumple
		18.4 m	Cumple	Cumple	44.2	78.7	78.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3245.5	-254.2	-77.3	3.6	103.0	Cumple
		Pie	Cumple	Cumple	44.2	75.9	75.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	3272.4	227.6	81.2	3.6	103.0	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	49.9	89.5	89.5	G, H, Q, V <sup>(4)</sup>	Q	3967.5	-263.6	-79.8	2.1	116.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4311.1	157.9	-162.5	5.5	-46.1	
		16.95 m	Cumple	Cumple	49.9	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3994.4	267.5	79.9	2.1	116.4	Cumple
		14.8 m	Cumple	Cumple	49.9	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3994.4	267.5	79.9	2.1	116.4	Cumple
		Pie	Cumple	Cumple	49.9	90.2	90.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3994.4	267.5	79.9	2.1	116.4	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	46.1	99.8	99.8	G, H, Q, V <sup>(5)</sup>	Q	4666.3	-257.6	-80.9	7.8	114.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5091.9	173.2	-176.5	13.2	-63.4	
		13.35 m	Cumple	Cumple	46.1	99.8	99.8	G, H, Q, V <sup>(5)</sup>	Q	4666.3	-257.6	-80.9	7.8	114.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5091.9	173.2	-176.5	13.2	-63.4	
		11.2 m	Cumple	Cumple	46.1	99.8	99.8	G, H, Q, V <sup>(5)</sup>	Q	4666.3	-257.6	-80.9	7.8	114.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5091.9	173.2	-176.5	13.2	-63.4	
		Pie	Cumple	Cumple	46.1	98.1	98.1	G, H, Q, V <sup>(5)</sup>	Q	4693.2	268.0	98.6	7.8	114.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5086.5	151.6	176.4	11.2	46.4	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	28.2	95.0	95.0	G, H, Q, V <sup>(4)</sup>	Q	5429.4	-370.2	-190.8	7.4	82.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5934.0	226.2	-294.4	20.1	-20.4	
		9.75 m	Cumple	Cumple	28.2	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	5470.8	397.6	202.0	7.4	82.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5925.0	293.5	294.3	14.4	43.8	
		5.85 m	Cumple	Cumple	28.2	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	5470.8	397.6	202.0	7.4	82.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5925.0	293.5	294.3	14.4	43.8	
		Pie	Cumple	Cumple	28.2	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	5470.8	397.6	202.0	7.4	82.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5925.0	293.5	294.3	14.4	43.8	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.6	99.1	99.1	G, H, V <sup>(9)</sup>	Q	3309.5	351.5	161.4	2.2	75.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5925.0	291.2	292.0	14.4	43.8	
		Cabeza	Cumple	Cumple	32.7	86.2	86.2	G, H, Q, V <sup>(5)</sup>	Q	6480.0	-479.6	-275.1	17.6	130.6	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	6990.4	-435.4	-284.8	22.1	103.9	
		0.5 m	Cumple	Cumple	32.7	88.8	88.8	G, H, Q, V <sup>(5)</sup>	Q	6539.6	594.7	233.9	17.6	130.6	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7050.0	506.8	248.5	22.1	103.9	
		Pie	Cumple	Cumple	32.7	88.8	88.8	G, H, Q, V <sup>(5)</sup>	Q	6539.6	594.7	233.9	17.6	130.6	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7050.0	506.8	248.5	22.1	103.9	
P. Baja +0.00 (-3.6 - -0.1 m)	60x90	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.6	88.8	88.8	G, H, Q, V <sup>(5)</sup>	Q	6539.6	594.7	233.9	17.6	130.6	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7050.0	506.8	248.5	22.1	103.9	
		Cabeza	Cumple	Cumple	18.7	63.4	63.4	G, H, Q, V <sup>(11)</sup>	Q	7654.1	-215.6	-299.4	2.2	103.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8174.8	-164.8	-313.7	6.3	79.8	
		-0.95 m	Cumple	Cumple	18.7	63.4	63.4	G, H, Q, V <sup>(11)</sup>	Q	7654.1	-215.6	-299.4	2.2	103.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8174.8	-164.8	-313.7	6.3	79.8	
		-3 m	Cumple	Cumple	18.7	63.4	63.4	G, H, Q, V <sup>(11)</sup>	Q	7654.1	-215.6	-299.4	2.2	103.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8174.8	-164.8	-313.7	6.3	79.8	
Sótano -3.80	60x90	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.8	63.3	63.3	G, H, Q, V <sup>(11)</sup>	Q	7691.7	111.2	300.5	2.2	103.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8212.4	86.5	314.7	6.3	79.8	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Notas:															
(1) La comprobación no procede															
(2) $PP+CM+1.35\cdot HI+1.5\cdot V(+Yexc.+)$															
(3) $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$															
(4) $1.35\cdot PP+1.35\cdot CM+HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$															
(5) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$															
(6) $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$															
(7) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$															
(8) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$															
(9) $PP+CM+HI+1.5\cdot V(+Yexc.+)$															
(10) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$															
(11) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$															

Sección de acero laminado																		
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos					
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	M <sub>x</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	38.7	41.1	28.3	9.5	1.5	99.0	9.5	1.5	99.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	345.0	-19.5	-7.6
														G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> V <sub>z</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>x</sub> V <sub>y</sub>	322.8	-31.8	-8.8
														G, H, Q, V <sup>(3)</sup>	M <sub>x</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	316.1	-18.5	-11.6
		Pie	Cumple	Cumple	38.8	28.3	22.8	9.5	1.5	80.6	9.5	1.5	80.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	346.2	7.6	5.4
														G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	324.0	21.8	6.5
														G, H, Q, V <sup>(3)</sup>	M <sub>y</sub> V <sub>z</sub> M <sub>x</sub> V <sub>y</sub>	317.3	7.4	9.3
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. séptima +28.70 (25 - 28.6 m)	45x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. sexta +25.10 (21.4 - 25 m)	45x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. Baja +0.00 (-3.6 - -0.1 m)	60x90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sótano -3.80	60x90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Notas:</b> <sup>(1)</sup> $1.35\cdot PP+1.35\cdot CM+0.7\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$ <sup>(2)</sup> $1.35\cdot PP+1.35\cdot CM+0.7\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$ <sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$ <sup>(4)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$																		



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.38. P32

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 50	Cabeza	Cumple	Cumple	39.0	35.0	39.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	818.1	6.0	-90.6	58.5	-1.9	Cumple
		31.35 m	Cumple	Cumple	39.0	35.0	39.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	818.1	6.0	-90.6	58.5	-1.9	Cumple
		29.2 m	Cumple	Cumple	39.0	35.0	39.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	818.1	6.0	-90.6	58.5	-1.9	Cumple
		Pie	Cumple	Cumple	38.4	38.1	38.4	G, H, Q, V <sup>(3)</sup>	Q	839.3	-0.1	99.6	58.5	-1.9	Cumple
							G, H, Q, V <sup>(3)</sup>	N,M	838.3	29.7	95.2	56.0	13.6		
P. séptima +28.70 (25 - 28.6 m)	Diámetro 50	Cabeza	Cumple	Cumple	40.9	61.2	61.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1303.6	120.2	-106.4	44.6	-47.9	Cumple
		27.75 m	Cumple	Cumple	40.9	61.2	61.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1303.6	120.2	-106.4	44.6	-47.9	Cumple
		25.6 m	Cumple	Cumple	40.9	61.2	61.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1303.6	120.2	-106.4	44.6	-47.9	Cumple
		Pie	Cumple	Cumple	40.9	57.8	57.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1324.7	-104.8	107.8	44.6	-47.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	Diámetro 50	Cabeza	Cumple	Cumple	53.8	81.4	81.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	1882.5	167.2	-129.1	50.2	-69.9	Cumple
		24.15 m	Cumple	Cumple	53.8	81.4	81.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	1882.5	167.2	-129.1	50.2	-69.9	Cumple
		22 m	Cumple	Cumple	53.8	81.4	81.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	1882.5	167.2	-129.1	50.2	-69.9	Cumple
		Pie	Cumple	Cumple	53.8	79.9	79.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1903.6	-158.4	132.5	50.2	-69.9	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 50	Cabeza	Cumple	Cumple	46.4	87.9	87.9	G, H, Q, V <sup>(5)</sup>	Q	2437.4	-180.7	-113.8	27.6	69.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2459.1	177.2	-117.9	29.3	-66.9	
		20.55 m	Cumple	Cumple	46.4	87.9	87.9	G, H, Q, V <sup>(5)</sup>	Q	2437.4	-180.7	-113.8	27.6	69.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2459.1	177.2	-117.9	29.3	-66.9	
		18.4 m	Cumple	Cumple	46.4	87.9	87.9	G, H, Q, V <sup>(5)</sup>	Q	2437.4	-180.7	-113.8	27.6	69.0	Cumple
						G, H, Q, V <sup>(4)</sup>	N,M	2459.1	177.2	-117.9	29.3	-66.9			
Pie	Cumple	Cumple	46.4	79.6	79.6	G, H, Q, V <sup>(5)</sup>	Q	2458.5	155.1	87.5	27.6	69.0	Cumple		
							G, H, Q, V <sup>(4)</sup>	N,M	2480.3	-152.3	89.4	29.3	-66.9		
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	17.8 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.2	78.2	78.2	G, H, Q, V <sup>(5)</sup>	Q	2458.5	155.4	88.6	27.6	69.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2480.3	-152.6	90.5	29.3	-66.9	
		Cabeza	Cumple	Cumple	59.1	71.5	71.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	3006.3	-275.3	-83.2	19.0	124.3	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	3036.7	263.0	115.0	19.0	124.3	Cumple
		14.8 m	Cumple	Cumple	59.1	71.8	71.8	G, H, Q, V <sup>(6)</sup>	N,M	3036.8	262.9	115.0	19.0	124.3	
		Pie	Cumple	Cumple	59.1	71.8	71.8	G, H, Q, V <sup>(6)</sup>	N,M	3036.7	263.0	115.0	19.0	124.3	Cumple
							G, H, Q, V <sup>(6)</sup>	N,M	3036.8	262.9	115.0	19.0	124.3		
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	68.5	84.3	84.3	G, H, Q, V <sup>(7)</sup>	Q,N,M	3649.2	278.0	-176.5	64.9	-132.3	Cumple
		13.35 m	Cumple	Cumple	68.5	87.3	87.3	G, H, Q, V <sup>(7)</sup>	Q,N,M	3679.6	-298.6	183.0	64.9	-132.3	Cumple
		11.2 m	Cumple	Cumple	68.5	87.3	87.3	G, H, Q, V <sup>(7)</sup>	Q,N,M	3679.6	-298.6	183.0	64.9	-132.3	Cumple
		Pie	Cumple	Cumple	68.5	87.3	87.3	G, H, Q, V <sup>(7)</sup>	Q,N,M	3679.6	-298.6	183.0	64.9	-132.3	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	38.2	96.5	96.5	G, H, Q, V <sup>(6)</sup>	Q	4114.2	-332.6	-182.4	13.3	80.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4218.1	299.3	-222.3	27.5	-70.4	
		9.75 m	Cumple	Cumple	38.2	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	4161.0	345.0	165.1	13.3	80.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4264.9	-329.8	196.5	27.5	-70.4	
		5.85 m	Cumple	Cumple	38.2	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	4161.0	345.0	165.1	13.3	80.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4264.9	-329.8	196.5	27.5	-70.4	
		Pie	Cumple	Cumple	38.2	98.1	98.1	G, H, Q, V <sup>(6)</sup>	Q	4161.0	345.0	165.1	13.3	80.2	Cumple
							G, H, Q, V <sup>(4)</sup>	N,M	4264.9	-329.8	196.5	27.5	-70.4		
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	33.9	79.3	79.3	G, H, Q, V <sup>(5)</sup>	Q	4831.0	-351.3	-213.5	14.0	106.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5253.5	237.8	-286.4	29.3	-37.9	
		4.4 m	Cumple	Cumple	33.9	93.3	93.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	4890.6	541.9	215.3	14.0	106.9	Cumple
		0.5 m	Cumple	Cumple	33.9	93.3	93.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	4890.6	541.9	215.3	14.0	106.9	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Pie	Cumple	Cumple	33.9	93.3	93.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	4890.6	541.9	215.3	14.0	106.9	Cumple
		-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.5	93.5	93.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	4890.6	542.3	215.8	14.0	106.9	Cumple
		Cabeza	Cumple	Cumple	78.0	56.6	78.0	G, H, Q, V <sup>(9)</sup>	Q	3987.1	103.2	-201.1	361.7	-13.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	3971.2	138.1	-189.3	340.6	-79.3	
Pie	Cumple	Cumple	45.1	19.3	45.1	G, H, Q, V <sup>(5)</sup>	Q	1349.3	14.6	56.5	102.6	73.6	Cumple		
							G, H, Q, V <sup>(11)</sup>	N,M	1474.1	-3.7	57.6	107.5	-15.3		
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.0	19.3	19.3	G, H, Q, V <sup>(5)</sup>	Q	1349.3	14.6	56.5	102.6	73.6	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	1474.1	-3.7	57.6	107.5	-15.3	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Xexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Xexc.+)															
<sup>(10)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(11)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.39. P33

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	26.1	44.8	44.8	G, H, Q, V <sup>(2)</sup>	Q	577.0	29.0	38.4	-25.3	-22.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	795.9	42.9	78.3	-35.3	-13.8	
		31.35 m	Cumple	Cumple	25.8	53.2	53.2	G, H, Q, V <sup>(2)</sup>	Q	589.7	-44.1	-43.8	-25.3	-22.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	732.6	67.2	-76.5	-30.3	22.0	
		29.2 m	Cumple	Cumple	25.8	53.2	53.2	G, H, Q, V <sup>(2)</sup>	Q	589.7	-44.1	-43.8	-25.3	-22.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	732.6	67.2	-76.5	-30.3	22.0	
		Pie	Cumple	Cumple	25.8	53.2	53.2	G, H, Q, V <sup>(2)</sup>	Q	589.7	-44.1	-43.8	-25.3	-22.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	732.6	67.2	-76.5	-30.3	22.0	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	39.5	62.8	62.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1317.7	-124.9	116.0	-49.0	52.2	Cumple
		27.75 m	Cumple	Cumple	39.5	62.9	62.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1339.5	121.1	-119.5	-49.0	52.2	Cumple
		25.6 m	Cumple	Cumple	39.5	62.9	62.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1339.5	121.1	-119.5	-49.0	52.2	Cumple
		Pie	Cumple	Cumple	39.5	62.9	62.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	1339.5	121.1	-119.5	-49.0	52.2	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	30.4	67.8	67.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1921.0	-123.4	121.8	-36.2	41.6	Cumple
		24.15 m	Cumple	Cumple	30.4	67.8	67.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1921.0	-123.4	121.8	-36.2	41.6	Cumple
		22 m	Cumple	Cumple	30.4	67.8	67.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	1921.0	-123.4	121.8	-36.2	41.6	Cumple
		Pie	Cumple	Cumple	30.4	64.6	64.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1942.8	121.8	-105.8	-36.2	41.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	29.9	61.7	61.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2528.6	-157.2	125.7	-42.4	55.5	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	2555.5	154.6	-143.5	-42.4	55.5	Cumple
		20.55 m	Cumple	Cumple	29.9	63.6	63.6	G, H, Q, V <sup>(5)</sup>	N,M	2555.5	154.6	-143.5	-42.4	55.5	
								G, H, Q, V <sup>(4)</sup>	Q	2555.5	154.6	-143.5	-42.4	55.5	Cumple
		18.4 m	Cumple	Cumple	29.9	63.6	63.6	G, H, Q, V <sup>(5)</sup>	N,M	2555.5	154.6	-143.5	-42.4	55.5	
								G, H, Q, V <sup>(4)</sup>	Q	2555.5	154.6	-143.5	-42.4	55.5	Cumple
		Pie	Cumple	Cumple	29.9	63.6	63.6	G, H, Q, V <sup>(4)</sup>	Q	2555.5	154.6	-143.5	-42.4	55.5	
								G, H, Q, V <sup>(5)</sup>	N,M	2555.5	154.6	-143.5	-42.4	55.5	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	23.5	70.8	70.8	G, H, Q, V <sup>(4)</sup>	Q	3136.3	-151.6	133.8	-24.1	49.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3339.9	-122.5	142.4	-27.6	30.2	Cumple
		16.95 m	Cumple	Cumple	23.5	71.2	71.2	G, H, Q, V <sup>(4)</sup>	Q	3163.2	153.6	-89.7	-24.1	49.2	
								G, H, Q, V <sup>(7)</sup>	N,M	3366.8	124.0	-141.6	-27.6	30.2	Cumple
		14.8 m	Cumple	Cumple	23.5	71.2	71.2	G, H, Q, V <sup>(4)</sup>	Q	3163.2	153.6	-89.7	-24.1	49.2	
								G, H, Q, V <sup>(7)</sup>	N,M	3366.8	124.0	-141.6	-27.6	30.2	Cumple
		Pie	Cumple	Cumple	23.5	71.2	71.2	G, H, Q, V <sup>(4)</sup>	Q	3163.2	153.6	-89.7	-24.1	49.2	
								G, H, Q, V <sup>(7)</sup>	N,M	3366.8	124.0	-141.6	-27.6	30.2	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	34.8	74.3	74.3	G, H, Q, V <sup>(5)</sup>	Q	3762.4	-175.4	99.1	-34.8	66.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4000.6	-155.4	124.8	-50.9	4.3	Cumple
		13.35 m	Cumple	Cumple	34.8	77.5	77.5	G, H, Q, V <sup>(5)</sup>	Q	3792.8	188.5	-164.2	-34.8	66.4	
								G, H, Q, V <sup>(7)</sup>	N,M	4026.1	146.7	-174.1	-38.8	42.0	Cumple
		11.2 m	Cumple	Cumple	34.8	77.5	77.5	G, H, Q, V <sup>(5)</sup>	Q	3792.8	188.5	-164.2	-34.8	66.4	
								G, H, Q, V <sup>(7)</sup>	N,M	4026.1	146.7	-174.1	-38.8	42.0	Cumple
		Pie	Cumple	Cumple	34.8	77.5	77.5	G, H, Q, V <sup>(5)</sup>	Q	3792.8	188.5	-164.2	-34.8	66.4	
								G, H, Q, V <sup>(7)</sup>	N,M	4026.1	146.7	-174.1	-38.8	42.0	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	17.1	94.7	94.7	G, H, Q, V <sup>(9)</sup>	Q	4360.8	167.6	251.4	-37.1	-10.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4591.9	229.6	227.1	-26.6	-3.7	Cumple
		9.75 m	Cumple	Cumple	17.1	94.7	94.7	G, H, Q, V <sup>(9)</sup>	Q	4360.8	167.6	251.4	-37.1	-10.8	
								G, H, Q, V <sup>(10)</sup>	N,M	4591.9	229.6	227.1	-26.6	-3.7	Cumple
		5.85 m	Cumple	Cumple	17.1	94.7	94.7	G, H, Q, V <sup>(9)</sup>	Q	4360.8	167.6	251.4	-37.1	-10.8	
								G, H, Q, V <sup>(10)</sup>	N,M	4591.9	229.6	227.1	-26.6	-3.7	Cumple
		Pie	Cumple	Cumple	17.1	91.5	91.5	G, H, Q, V <sup>(9)</sup>	Q	4407.6	-163.4	-228.6	-37.1	-10.8	
								G, H, Q, V <sup>(6)</sup>	N,M	4656.3	160.7	-232.6	-24.7	7.0	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	12.3	80.1	80.1	G, H, Q, V <sup>(11)</sup>	Q	4949.8	245.2	278.9	-14.8	-36.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5374.6	289.0	224.9	-31.6	-5.2	Cumple
		4.4 m	Cumple	Cumple	12.3	81.7	81.7	G, H, Q, V <sup>(11)</sup>	Q	5009.4	-296.9	-234.7	-14.8	-36.4	
								G, H, Q, V <sup>(7)</sup>	N,M	5416.1	250.1	-289.9	-20.5	18.9	Cumple
		0.5 m	Cumple	Cumple	12.3	81.7	81.7	G, H, Q, V <sup>(11)</sup>	Q	5009.4	-296.9	-234.7	-14.8	-36.4	
								G, H, Q, V <sup>(7)</sup>	N,M	5416.1	250.1	-289.9	-20.5	18.9	Cumple
		Pie	Cumple	Cumple	12.3	81.7	81.7	G, H, Q, V <sup>(11)</sup>	Q	5009.4	-296.9	-234.7	-14.8	-36.4	
								G, H, Q, V <sup>(7)</sup>	N,M	5416.1	250.1	-289.9	-20.5	18.9	



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.7	81.8	81.8	G, H, Q, V <sup>(11)</sup>	Q	5009.4	-297.4	-235.1	-14.8	-36.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5416.1	250.6	-290.3	-20.5	18.9	
		Cabeza	Cumple	Cumple	55.8	56.6	56.6	G, H, Q, V <sup>(12)</sup>	Q	3769.6	89.0	208.2	-176.8	-11.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4039.2	160.9	156.0	-110.4	8.7	
		-3 m	Cumple	Cumple	47.4	20.1	47.4	G, H, V <sup>(13)</sup>	Q	989.9	-25.2	-5.5	-34.9	108.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	1661.2	-33.2	-2.9	-81.8	22.4	
		Pie	Cumple	Cumple	47.1	20.1	47.1	G, H, Q, V <sup>(5)</sup>	Q	1373.6	24.6	-69.0	-66.6	115.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1445.1	17.3	-75.9	-74.2	80.2	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.3	20.1	20.1	G, H, Q, V <sup>(5)</sup>	Q	1373.6	24.6	-69.0	-66.6	115.5	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1445.1	17.3	-75.9	-74.2	80.2	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(-Yexc.-)$ <sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(-Yexc.-)$ <sup>(4)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$ <sup>(5)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$ <sup>(6)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$ <sup>(7)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$ <sup>(8)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(-Xexc.-)$ <sup>(9)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(-Xexc.+)$ <sup>(10)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$ <sup>(11)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(-Yexc.-)$ <sup>(12)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Xexc.+)$ <sup>(13)</sup> $PP+CM+H1+1.5\cdot V(+Yexc.-)$															

## 1.40. P34

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 140 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 140 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	37.0	46.5	46.5	G, H, V <sup>(2)</sup>	Q	466.5	-80.0	-8.5	5.2	47.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	948.0	-118.0	-28.0	14.6	51.7						
		31.35 m	Cumple	Cumple	37.0	46.5	46.5	G, H, V <sup>(2)</sup>	Q	466.5	-80.0	-8.5	5.2	47.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	948.0	-118.0	-28.0	14.6	51.7						
		29.2 m	Cumple	Cumple	37.0	46.5	46.5	G, H, V <sup>(2)</sup>	Q	466.5	-80.0	-8.5	5.2	47.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	948.0	-118.0	-28.0	14.6	51.7						
		Pie	Cumple	Cumple	36.5	42.8	42.8	G, H, V <sup>(2)</sup>	Q	482.5	73.3	8.4	5.2	47.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	969.5	109.6	19.4	14.6	51.7						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	30.8	53.0	53.0	G, H, V <sup>(3)</sup>	Q	928.8	-93.4	-10.1	6.0	56.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1679.6	-146.5	-57.5	8.1	60.1						
		27.75 m	Cumple	Cumple	30.5	53.4	53.4	G, H, V <sup>(2)</sup>	Q	946.7	91.3	9.5	6.0	56.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1703.8	145.9	59.6	8.1	60.1						
		25.6 m	Cumple	Cumple	30.5	53.4	53.4	G, H, V <sup>(2)</sup>	Q	946.7	91.3	9.5	6.0	56.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1703.8	145.9	59.6	8.1	60.1						
		Pie	Cumple	Cumple	30.5	53.4	53.4	G, H, V <sup>(2)</sup>	Q	946.7	91.3	9.5	6.0	56.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1703.8	145.9	59.6	8.1	60.1						
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	27.7	65.7	65.7	G, H, Q, V <sup>(3)</sup>	Q	2413.5	-154.7	-77.2	9.3	54.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	2633.8	-120.2	-100.0	20.7	6.6						
		24.15 m	Cumple	Cumple	27.7	65.7	65.7	G, H, Q, V <sup>(3)</sup>	Q	2413.5	-154.7	-77.2	9.3	54.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	2633.8	-120.2	-100.0	20.7	6.6						
		22 m	Cumple	Cumple	27.7	65.7	65.7	G, H, Q, V <sup>(3)</sup>	Q	2413.5	-154.7	-77.2	9.3	54.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	2633.8	-120.2	-100.0	20.7	6.6						
		Pie	Cumple	Cumple	27.7	65.7	65.7	G, H, Q, V <sup>(3)</sup>	Q	2437.7	151.9	74.8	9.3	54.3	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	2658.0	120.9	93.9	20.7	6.6						
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	28.6	71.4	71.4	G, H, Q, V <sup>(3)</sup>	Q	3145.8	-182.1	-87.6	9.9	66.1	Cumple
			G, H, Q, V <sup>(5)</sup>	N,M	3389.1	121.6	-142.1	9.6	-28.6						
		20.55 m	Cumple	Cumple	28.6	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q	3172.7	178.1	89.9	9.9	66.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	3441.5	142.9	143.5	10.3	42.8						
		18.4 m	Cumple	Cumple	28.6	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q	3172.7	178.1	89.9	9.9	66.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	3441.5	142.9	143.5	10.3	42.8						
		Pie	Cumple	Cumple	28.6	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q	3172.7	178.1	89.9	9.9	66.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	3441.5	142.9	143.5	10.3	42.8						



Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Kx (kN)		Qy (kN)
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	27.3	83.9	83.9	G. H. Q. V <sup>(3)</sup>	Q	3883.5	-176.6	-90.7	8.0	63.3	Cumple
								G. H. Q. V <sup>(5)</sup>	N,M	4154.7	119.9	-159.6	7.0	-26.9	
		16.95 m	Cumple	Cumple	27.3	86.9	86.9	G. H. Q. V <sup>(3)</sup>	Q	3910.4	181.7	88.0	8.0	63.3	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	4222.1	145.0	160.8	8.1	41.1	
		14.8 m	Cumple	Cumple	27.3	86.9	86.9	G. H. Q. V <sup>(3)</sup>	Q	3910.4	181.7	88.0	8.0	63.3	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	4222.1	145.0	160.8	8.1	41.1	
		Pie	Cumple	Cumple	27.3	86.9	86.9	G. H. Q. V <sup>(3)</sup>	Q	3910.4	181.7	88.0	8.0	63.3	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	4222.1	145.0	160.8	8.1	41.1	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	29.9	95.7	95.7	G. H. Q. V <sup>(3)</sup>	Q	4623.8	-183.3	-84.7	9.2	69.2	Cumple
								G. H. Q. V <sup>(5)</sup>	N,M	4918.5	110.9	-171.5	9.2	-26.3	
		13.35 m	Cumple	Cumple	29.9	99.5	99.5	G. H. Q. V <sup>(3)</sup>	Q	4650.7	191.8	95.2	9.2	69.2	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	5004.1	149.0	172.5	9.6	45.8	
		11.2 m	Cumple	Cumple	29.9	99.5	99.5	G. H. Q. V <sup>(3)</sup>	Q	4650.7	191.8	95.2	9.2	69.2	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	5004.1	149.0	172.5	9.6	45.8	
		Pie	Cumple	Cumple	29.9	99.5	99.5	G. H. Q. V <sup>(3)</sup>	Q	4650.7	191.8	95.2	9.2	69.2	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	5004.1	149.0	172.5	9.6	45.8	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	8.4	97.5	97.5	G. H. Q. V <sup>(7)</sup>	Q	5273.3	-169.7	-266.6	23.5	3.7	Cumple
								G. H. Q. V <sup>(8)</sup>	N,M	5713.7	-270.7	-168.9	3.2	11.2	
		9.75 m	Cumple	Cumple	8.4	99.0	99.0	G. H. Q. V <sup>(7)</sup>	Q	5314.7	267.1	217.1	23.5	3.7	Cumple
								G. H. Q. V <sup>(9)</sup>	N,M	5727.7	270.8	192.8	16.0	2.3	
		5.85 m	Cumple	Cumple	8.4	99.0	99.0	G. H. Q. V <sup>(7)</sup>	Q	5314.7	267.1	217.1	23.5	3.7	Cumple
								G. H. Q. V <sup>(9)</sup>	N,M	5727.7	270.8	192.8	16.0	2.3	
		Pie	Cumple	Cumple	8.4	99.0	99.0	G. H. Q. V <sup>(7)</sup>	Q	5314.7	267.1	217.1	23.5	3.7	Cumple
								G. H. Q. V <sup>(9)</sup>	N,M	5727.7	270.8	192.8	16.0	2.3	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.6	99.0	99.0	G. H. Q. V <sup>(7)</sup>	Q	5314.7	267.1	217.1	23.5	3.7	Cumple
								G. H. Q. V <sup>(9)</sup>	N,M	5727.7	270.8	192.8	16.0	2.3	
		Cabeza	Cumple	Cumple	18.6	67.5	67.5	G. H. V <sup>(10)</sup>	Q	4900.9	110.7	346.9	-1.7	-88.1	Cumple
								G. H. Q. V <sup>(8)</sup>	N,M	6538.6	-264.3	415.1	-3.5	46.3	
		0.5 m	Cumple	Cumple	18.6	69.2	69.2	G. H. V <sup>(10)</sup>	Q	4983.7	-329.9	251.3	-1.7	-88.1	Cumple
								G. H. Q. V <sup>(11)</sup>	N,M	6556.0	-398.4	-415.7	-1.5	-53.8	
		Pie	Cumple	Cumple	18.6	69.2	69.2	G. H. V <sup>(10)</sup>	Q	4983.7	-329.9	251.3	-1.7	-88.1	Cumple
								G. H. Q. V <sup>(11)</sup>	N,M	6556.0	-398.4	-415.7	-1.5	-53.8	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.8	69.2	69.2	G. H. V <sup>(12)</sup>	Q	3678.2	-319.5	191.7	-1.0	-85.9	Cumple
								G. H. Q. V <sup>(11)</sup>	N,M	6556.0	-398.4	-415.7	-1.5	-53.8	
		Cabeza	Cumple	Cumple	29.1	67.2	67.2	G. H. Q. V <sup>(3)</sup>	Q	6861.8	320.7	-146.8	0.2	-137.7	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	7346.6	242.1	296.7	-0.4	-104.8	
		-0.95 m	Cumple	Cumple	29.1	67.2	67.2	G. H. Q. V <sup>(3)</sup>	Q	6861.8	320.7	-146.8	0.2	-137.7	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	7346.6	242.1	296.7	-0.4	-104.8	
		-3 m	Cumple	Cumple	29.1	67.2	67.2	G. H. Q. V <sup>(3)</sup>	Q	6861.8	320.7	-146.8	0.2	-137.7	Cumple
								G. H. Q. V <sup>(6)</sup>	N,M	7346.6	242.1	296.7	-0.4	-104.8	
Pie	Cumple	Cumple	29.1	66.8	66.8	G. H. Q. V <sup>(3)</sup>	Q	6913.9	-113.1	285.1	0.2	-137.7	Cumple		
						G. H. Q. V <sup>(6)</sup>	N,M	7398.8	-88.1	-298.1	-0.4	-104.8			
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.0	66.8	66.8	G. H. Q. V <sup>(3)</sup>	Q	6913.9	-113.1	285.1	0.2	-137.7	Cumple
Notas: (1) La comprobación no procede (2) PP+CM+H1+1.5·V(+Yexc.-) (3) 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-) (4) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Xexc.-) (5) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) (6) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-) (7) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Xexc.+) (8) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) (9) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.+) (10) 1.35·PP+1.35·CM+H1+1.5·V(-Yexc.-) (11) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) (12) PP+CM+H1+1.5·V(-Yexc.-)															

[illegible]





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de acero laminado																		
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado
			$\bar{\lambda}$	$\lambda_{cr}$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>z</sub> M <sub>z</sub> (%)	M <sub>z</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Notas:</b> <sup>(1)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(-Yexc.-) <sup>(2)</sup> 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(+Yexc.-) <sup>(3)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.-)																		

## 1.41. P35

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 160 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 160 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	35.1	43.5	43.5	G, H, V <sup>(2)</sup>	Q	459.4	-75.9	5.8	-2.5	44.6	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	925.8	-114.9	11.8	-4.9	49.7							
		31.35 m	Cumple	Cumple	35.1	43.5	43.5	G, H, V <sup>(2)</sup>	Q	459.4	-75.9	5.8	-2.5	44.6	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	925.8	-114.9	11.8	-4.9	49.7							
		29.2 m	Cumple	Cumple	35.1	43.5	43.5	G, H, V <sup>(2)</sup>	Q	459.4	-75.9	5.8	-2.5	44.6	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	925.8	-114.9	11.8	-4.9	49.7							
		Pie	Cumple	Cumple	34.6	40.0	40.0	G, H, V <sup>(2)</sup>	Q	475.3	69.1	-2.5	-2.5	44.6	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	947.3	105.1	-4.2	-4.9	49.7							
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	29.3	50.3	50.3	G, H, V <sup>(2)</sup>	Q	915.5	-88.7	-1.9	0.8	53.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1650.4	-138.9	-48.9	2.1	55.9							
		27.75 m	Cumple	Cumple	29.3	50.3	50.3	G, H, V <sup>(2)</sup>	Q	915.5	-88.7	-1.9	0.8	53.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1650.4	-138.9	-48.9	2.1	55.9							
		25.6 m	Cumple	Cumple	29.3	50.3	50.3	G, H, V <sup>(2)</sup>	Q	915.5	-88.7	-1.9	0.8	53.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1650.4	-138.9	-48.9	2.1	55.9							
		Pie	Cumple	Cumple	29.0	50.3	50.3	G, H, V <sup>(2)</sup>	Q	933.4	86.3	0.6	0.8	53.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1674.6	138.3	47.1	2.1	55.9							
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	26.3	63.6	63.6	G, H, Q, V <sup>(3)</sup>	Q	2375.6	-151.5	-62.9	1.6	52.3	Cumple	
			G, H, Q, V <sup>(4)</sup>	N,M	2587.0	-118.8	-85.9	13.2	5.0							
		24.15 m	Cumple	Cumple	26.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q	2399.8	147.8	63.2	1.6	52.3	Cumple	
			G, H, Q, V <sup>(5)</sup>	N,M	2611.2	119.5	82.7	13.2	5.0							
		22 m	Cumple	Cumple	26.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q	2399.8	147.8	63.2	1.6	52.3	Cumple	
			G, H, Q, V <sup>(5)</sup>	N,M	2611.2	119.5	82.7	13.2	5.0							
		Pie	Cumple	Cumple	26.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q	2399.8	147.8	63.2	1.6	52.3	Cumple	
			G, H, Q, V <sup>(5)</sup>	N,M	2611.2	119.5	82.7	13.2	5.0							
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	27.5	70.7	70.7	G, H, Q, V <sup>(3)</sup>	Q	3102.8	-178.8	-76.1	2.2	64.2	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3339.7	123.6	-140.8	2.5	-29.7							
		20.55 m	Cumple	Cumple	27.5	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q	3129.7	174.5	75.6	2.2	64.2	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	3394.1	139.6	142.3	2.4	40.9							
		18.4 m	Cumple	Cumple	27.5	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q	3129.7	174.5	75.6	2.2	64.2	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	3394.1	139.6	142.3	2.4	40.9							
		Pie	Cumple	Cumple	27.5	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q	3129.7	174.5	75.6	2.2	64.2	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	3394.1	139.6	142.3	2.4	40.9							
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	27.2	83.1	83.1	G, H, Q, V <sup>(3)</sup>	Q	3829.2	-176.6	-79.2	3.0	63.5	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	4099.8	120.9	-158.5	3.1	-26.9							
		16.95 m	Cumple	Cumple	27.2	86.1	86.1	G, H, Q, V <sup>(3)</sup>	Q	3856.1	182.3	83.1	3.0	63.5	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4164.6	145.7	159.7	3.2	41.2							
		14.8 m	Cumple	Cumple	27.2	86.1	86.1	G, H, Q, V <sup>(3)</sup>	Q	3856.1	182.3	83.1	3.0	63.5	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4164.6	145.7	159.7	3.2	41.2							
		Pie	Cumple	Cumple	27.2	86.1	86.1	G, H, Q, V <sup>(3)</sup>	Q	3856.1	182.3	83.1	3.0	63.5	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4164.6	145.7	159.7	3.2	41.2							
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	28.1	95.2	95.2	G, H, Q, V <sup>(3)</sup>	Q	4568.8	-179.8	75.6	-1.3	65.6	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	4867.8	117.3	-170.9	-1.0	-31.7							
		13.35 m	Cumple	Cumple	28.1	97.9	97.9	G, H, Q, V <sup>(3)</sup>	Q	4595.7	184.1	-79.2	-1.3	65.6	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4947.1	140.1	-171.9	-1.3	41.5							
		11.2 m	Cumple	Cumple	28.1	97.9	97.9	G, H, Q, V <sup>(3)</sup>	Q	4595.7	184.1	-79.2	-1.3	65.6	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4947.1	140.1	-171.9	-1.3	41.5							
		Pie	Cumple	Cumple	28.1	97.9	97.9	G, H, Q, V <sup>(3)</sup>	Q	4595.7	184.1	-79.2	-1.3	65.6	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4947.1	140.1	-171.9	-1.3	41.5							



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	8.0	98.9	98.9	G, H, Q, V <sup>(8)</sup>	Q	5198.4	262.2	210.3	-21.9	-3.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5612.2	265.7	188.1	-14.6	-1.9	
		9.75 m	Cumple	Cumple	8.0	99.9	99.9	G, H, Q, V <sup>(8)</sup>	Q	5239.8	-161.1	-262.7	-21.9	-3.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5685.4	188.8	-266.1	-4.1	12.1	
		5.85 m	Cumple	Cumple	8.0	99.9	99.9	G, H, Q, V <sup>(8)</sup>	Q	5239.8	-161.1	-262.7	-21.9	-3.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5685.4	188.8	-266.1	-4.1	12.1	
		Pie	Cumple	Cumple	8.0	99.9	99.9	G, H, Q, V <sup>(8)</sup>	Q	5239.8	-161.1	-262.7	-21.9	-3.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5685.4	188.8	-266.1	-4.1	12.1	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.6	99.9	99.9	G, H, Q, V <sup>(8)</sup>	Q	5239.8	-161.1	-262.7	-21.9	-3.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5685.4	188.8	-266.1	-4.1	12.1	
		Cabeza	Cumple	Cumple	19.4	68.4	68.4	G, H, Q, V <sup>(3)</sup>	Q	6052.9	-343.7	396.6	-5.8	93.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6498.0	-304.6	412.6	-5.3	58.4	
		0.5 m	Cumple	Cumple	19.4	69.9	69.9	G, H, Q, V <sup>(3)</sup>	Q	6135.7	483.0	-287.5	-5.8	93.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6527.3	-399.9	-413.6	-3.2	-48.1	
		Pie	Cumple	Cumple	19.4	69.9	69.9	G, H, Q, V <sup>(3)</sup>	Q	6135.7	483.0	-287.5	-5.8	93.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6527.3	-399.9	-413.6	-3.2	-48.1	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.8	69.9	69.9	G, H, V <sup>(2)</sup>	Q	3756.0	301.7	-203.2	-4.3	89.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6527.3	-399.9	-413.6	-3.2	-48.1	
		Cabeza	Cumple	Cumple	33.2	67.2	67.2	G, H, Q, V <sup>(11)</sup>	Q	6785.0	366.0	-150.5	2.6	-159.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	7264.7	227.6	-293.9	4.1	-99.0	
		-0.95 m	Cumple	Cumple	33.2	67.2	67.2	G, H, Q, V <sup>(11)</sup>	Q	6785.0	366.0	-150.5	2.6	-159.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	7264.7	227.6	-293.9	4.1	-99.0	
		-3 m	Cumple	Cumple	33.2	67.2	67.2	G, H, Q, V <sup>(11)</sup>	Q	6785.0	366.0	-150.5	2.6	-159.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	7264.7	227.6	-293.9	4.1	-99.0	
Pie	Cumple	Cumple	33.2	67.1	67.1	G, H, Q, V <sup>(11)</sup>	Q	6837.1	-135.7	282.4	2.6	-159.3	Cumple		
						G, H, Q, V <sup>(10)</sup>	N,M	7325.3	-110.5	295.4	2.0	-126.3			
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.6	67.1	67.1	G, H, Q, V <sup>(11)</sup>	Q	6837.1	-135.7	282.4	2.6	-159.3	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7325.3	-110.5	295.4	2.0	-126.3	
Notas:															
(1) La comprobación no procede															
(2) PP+CM+H1+1.5·V(+Yexc.-)															
(3) 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
(4) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
(5) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
(6) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
(7) 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
(8) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)															
(9) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
(10) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
(11) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
(12) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 160 A	Cabeza	Cumple	Cumple	8.9	91.9	0.1	13.0	100.0	13.0	100.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>t</sub> ,V <sub>z</sub> ,NM <sub>t</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	57.3	51.3	0.0	-0.1	-26.0	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.1	40.4	0.0	-0.2	-20.5										
		Pie	Cumple	Cumple	8.9	84.5	0.2	13.0	92.6	13.0	92.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>t</sub> ,V <sub>z</sub> ,NM <sub>t</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	57.4	47.2	0.0	-0.1	-26.0	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.2	37.1	-0.1	-0.2	-20.5										
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 160 A	Cabeza	Cumple	Cumple	8.9	84.5	0.2	13.4	92.6	13.4	92.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>t</sub> ,V <sub>z</sub> ,NM <sub>t</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	57.4	47.2	0.0	-0.1	-26.9	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.2	37.1	-0.1	-0.6	-20.5										
		Pie	Cumple	Cumple	9.1	48.9	5.9	13.4	58.4	13.4	58.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>t</sub> ,V <sub>z</sub> ,NM <sub>t</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	58.3	-27.3	-0.3	-0.1	-26.9	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.1	-19.8	-1.8	-0.6	-20.5										
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9V(-Yexc.-) <sup>(2)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5V(-Yexc.-) <sup>(3)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5V(+Yexc.-)																			



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.42. P36

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	37.9	44.0	44.0	G, H, V <sup>(2)</sup>	Q	420.5	-76.5	-13.9	6.1	46.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	864.2	-112.4	-21.6	9.5	51.6	
		31.35 m	Cumple	Cumple	37.9	44.0	44.0	G, H, V <sup>(2)</sup>	Q	420.5	-76.5	-13.9	6.1	46.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	864.2	-112.4	-21.6	9.5	51.6	
		29.2 m	Cumple	Cumple	37.9	44.0	44.0	G, H, V <sup>(2)</sup>	Q	420.5	-76.5	-13.9	6.1	46.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	864.2	-112.4	-21.6	9.5	51.6	
		Pie	Cumple	Cumple	37.3	41.5	41.5	G, H, V <sup>(2)</sup>	Q	436.4	73.7	5.9	6.1	46.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	885.7	109.7	9.4	9.5	51.6	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	34.4	52.5	52.5	G, H, V <sup>(2)</sup>	Q	858.8	-101.8	1.9	-0.9	61.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1556.2	-156.4	44.9	-1.4	67.4	
		27.75 m	Cumple	Cumple	34.4	52.5	52.5	G, H, V <sup>(2)</sup>	Q	858.8	-101.8	1.9	-0.9	61.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1556.2	-156.4	44.9	-1.4	67.4	
		25.6 m	Cumple	Cumple	34.4	52.5	52.5	G, H, V <sup>(2)</sup>	Q	858.8	-101.8	1.9	-0.9	61.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1556.2	-156.4	44.9	-1.4	67.4	
		Pie	Cumple	Cumple	34.1	51.9	51.9	G, H, V <sup>(2)</sup>	Q	876.7	97.1	-0.9	-0.9	61.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1580.4	152.8	-43.8	-1.4	67.4	
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	31.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2249.8	-166.6	-60.8	0.8	62.3	Cumple
		24.15 m	Cumple	Cumple	31.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2249.8	-166.6	-60.8	0.8	62.3	Cumple
		22 m	Cumple	Cumple	31.3	63.9	63.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2249.8	-166.6	-60.8	0.8	62.3	Cumple
		Pie	Cumple	Cumple	31.3	63.3	63.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2274.0	161.6	59.2	0.8	62.3	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	32.3	67.3	67.3	G, H, Q, V <sup>(3)</sup>	Q	2947.1	-196.7	71.4	-0.4	75.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3202.0	110.3	137.1	-2.1	-22.9	
		20.55 m	Cumple	Cumple	32.3	67.3	67.3	G, H, Q, V <sup>(3)</sup>	Q	2947.1	-196.7	71.4	-0.4	75.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3202.0	110.3	137.1	-2.1	-22.9	
		18.4 m	Cumple	Cumple	32.3	67.3	67.3	G, H, Q, V <sup>(3)</sup>	Q	2947.1	-196.7	71.4	-0.4	75.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3202.0	110.3	137.1	-2.1	-22.9	
		Pie	Cumple	Cumple	32.3	66.9	66.9	G, H, Q, V <sup>(3)</sup>	Q	2974.0	189.5	-71.6	-0.4	75.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3229.8	154.0	-74.4	-0.8	51.4	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	34.1	79.7	79.7	G, H, Q, V <sup>(3)</sup>	Q	3650.0	-198.2	82.1	-4.9	79.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3938.4	-155.2	111.8	-22.5	20.3	
		16.95 m	Cumple	Cumple	34.1	80.7	80.7	G, H, Q, V <sup>(3)</sup>	Q	3676.9	211.2	-85.4	-4.9	79.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3972.5	174.8	-88.1	-5.9	56.6	
		14.8 m	Cumple	Cumple	34.1	80.7	80.7	G, H, Q, V <sup>(3)</sup>	Q	3676.9	211.2	-85.4	-4.9	79.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3972.5	174.8	-88.1	-5.9	56.6	
		Pie	Cumple	Cumple	34.1	80.7	80.7	G, H, Q, V <sup>(3)</sup>	Q	3676.9	211.2	-85.4	-4.9	79.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3972.5	174.8	-88.1	-5.9	56.6	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	32.9	92.4	92.4	G, H, Q, V <sup>(3)</sup>	Q	4394.8	-205.0	81.7	2.0	76.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4718.9	-168.9	111.4	-17.0	13.8	
		13.35 m	Cumple	Cumple	32.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	4421.7	196.1	88.2	2.0	76.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4759.9	151.9	169.5	1.4	52.2	
		11.2 m	Cumple	Cumple	32.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	4421.7	196.1	88.2	2.0	76.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4759.9	151.9	169.5	1.4	52.2	
		Pie	Cumple	Cumple	32.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	4421.7	196.1	88.2	2.0	76.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4759.9	151.9	169.5	1.4	52.2	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	10.5	96.9	96.9	G, H, Q, V <sup>(7)</sup>	Q	5037.2	-259.8	-172.7	4.5	29.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5376.7	192.5	-263.5	5.8	-13.6	
		9.75 m	Cumple	Cumple	10.5	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	5078.6	245.9	260.3	4.5	29.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5456.1	213.8	264.1	4.9	18.9	
		5.85 m	Cumple	Cumple	10.5	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	5078.6	245.9	260.3	4.5	29.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5456.1	213.8	264.1	4.9	18.9	
		Pie	Cumple	Cumple	10.5	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	5078.6	245.9	260.3	4.5	29.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5456.1	213.8	264.1	4.9	18.9	
P. primera +5.35 (-0.1 - 5.25 m)	50x50	Cabeza	Cumple	Cumple	9.3	96.7	96.7	G, H, Q, V <sup>(3)</sup>	Q	5848.8	-293.3	-179.5	1.3	27.3	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6250.5	-194.1	-297.7	11.4	6.5	
		4.4 m	Cumple	Cumple	9.3	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q	5890.2	251.4	293.8	1.3	27.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.8	220.7	298.2	1.4	18.9	
		0.5 m	Cumple	Cumple	9.3	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q	5890.2	251.4	293.8	1.3	27.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.8	220.7	298.2	1.4	18.9	
		Pie	Cumple	Cumple	9.3	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q	5890.2	251.4	293.8	1.3	27.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.8	220.7	298.2	1.4	18.9	



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.8	98.7	98.7	G, H, V <sup>(2)</sup>	Q	3615.1	230.5	231.9	1.2	24.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.8	220.7	298.2	1.4	18.9	
		Cabeza	Cumple	Cumple	13.5	60.2	60.2	G, H, Q, V <sup>(7)</sup>	Q	6520.0	172.6	-276.8	7.3	-68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6984.8	162.9	-290.8	6.7	-68.0	
		-0.95 m	Cumple	Cumple	13.5	60.2	60.2	G, H, Q, V <sup>(7)</sup>	Q	6520.0	172.6	-276.8	7.3	-68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6984.8	162.9	-290.8	6.7	-68.0	
		-3 m	Cumple	Cumple	13.5	60.2	60.2	G, H, Q, V <sup>(7)</sup>	Q	6520.0	172.6	-276.8	7.3	-68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6984.8	162.9	-290.8	6.7	-68.0	
		Pie	Cumple	Cumple	13.5	60.1	60.1	G, H, Q, V <sup>(7)</sup>	Q	6572.1	-44.0	278.4	7.3	-68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	7036.9	-51.3	292.3	6.7	-68.0	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.0	60.1	60.1	G, H, Q, V <sup>(7)</sup>	Q	6572.1	-44.0	278.4	7.3	-68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	7036.9	-51.3	292.3	6.7	-68.0	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+H1+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															

Sección de acero laminado																				
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.5	0.1	12.5	78.0	12.5	78.0	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	53.9	0.0	-0.1	-27.5	Cumple	
		Pie	Cumple	Cumple	7.0	65.6	0.3	12.5	72.3	12.5	72.3	G, H, Q, V <sup>(1)</sup>	M <sub>z</sub>	46.6	42.5	-0.1	-0.4	-21.5	Cumple	
													G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.5	0.0	-0.1	-27.5	
													G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.4	-21.5	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.6	0.3	13.0	72.3	13.0	72.3	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.5	0.0	-0.1	-28.5	Cumple	
		Pie	Cumple	Cumple	7.2	39.1	6.4	13.0	46.7	13.0	46.7	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.9	-21.5	Cumple	
													G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	59.0	-29.5	-0.3	-0.1	-28.5	Cumple
													G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-20.5	-2.6	-0.9	-21.5	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas:																				
<sup>(1)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)																				
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)																				
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)																				

## 1.43. P37

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	37.5	53.7	53.7	G, H, V <sup>(2)</sup>	Q	467.9	-63.3	52.8	-27.9	38.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	949.2	-100.2	94.1	-48.3	43.6	
		31.35 m	Cumple	Cumple	37.5	53.7	53.7	G, H, V <sup>(2)</sup>	Q	467.9	-63.3	52.8	-27.9	38.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	949.2	-100.2	94.1	-48.3	43.6	
		29.2 m	Cumple	Cumple	37.5	53.7	53.7	G, H, V <sup>(2)</sup>	Q	467.9	-63.3	52.8	-27.9	38.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	949.2	-100.2	94.1	-48.3	43.6	
		Pie	Cumple	Cumple	37.0	46.2	46.2	G, H, V <sup>(2)</sup>	Q	483.9	63.3	-37.8	-27.9	38.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	970.8	101.3	-62.9	-48.3	43.6	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	33.0	56.9	56.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1706.7	-152.8	78.6	-22.1	61.7	Cumple
		27.75 m	Cumple	Cumple	33.0	56.9	56.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1706.7	-152.8	78.6	-22.1	61.7	Cumple
		25.6 m	Cumple	Cumple	33.0	56.9	56.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	1706.7	-152.8	78.6	-22.1	61.7	Cumple
		Pie	Cumple	Cumple	33.0	56.8	56.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1730.9	146.6	-85.5	-22.1	61.7	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	32.8	70.8	70.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2466.4	-167.8	102.1	-24.2	60.5	Cumple
		24.15 m	Cumple	Cumple	32.8	70.8	70.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2466.4	-167.8	102.1	-24.2	60.5	Cumple
		22 m	Cumple	Cumple	32.8	70.8	70.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2466.4	-167.8	102.1	-24.2	60.5	Cumple
		Pie	Cumple	Cumple	32.8	69.7	69.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2490.6	160.4	-99.5	-24.2	60.5	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	33.2	74.2	74.2	G, H, Q, V <sup>(3)</sup>	Q	3229.5	-198.1	110.9	-23.6	73.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3507.0	-161.0	114.0	-24.5	50.7	
		20.55 m	Cumple	Cumple	33.2	74.2	74.2	G, H, Q, V <sup>(3)</sup>	Q	3229.5	-198.1	110.9	-23.6	73.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3507.0	-161.0	114.0	-24.5	50.7	
		18.4 m	Cumple	Cumple	33.2	74.2	74.2	G, H, Q, V <sup>(3)</sup>	Q	3229.5	-198.1	110.9	-23.6	73.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3507.0	-161.0	114.0	-24.5	50.7	
		Pie	Cumple	Cumple	33.2	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q	3256.4	188.3	-112.4	-23.6	73.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3533.9	153.9	-115.7	-24.5	50.7	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	35.7	87.2	87.2	G, H, Q, V <sup>(3)</sup>	Q	4001.3	-202.5	107.6	-15.0	81.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4309.3	-162.4	130.3	-27.7	21.9	
		16.95 m	Cumple	Cumple	35.7	87.2	87.2	G, H, Q, V <sup>(3)</sup>	Q	4001.3	-202.5	107.6	-15.0	81.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4309.3	-162.4	130.3	-27.7	21.9	
		14.8 m	Cumple	Cumple	35.7	87.2	87.2	G, H, Q, V <sup>(3)</sup>	Q	4001.3	-202.5	107.6	-15.0	81.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4309.3	-162.4	130.3	-27.7	21.9	
		Pie	Cumple	Cumple	35.7	87.1	87.1	G, H, Q, V <sup>(3)</sup>	Q	4028.2	216.6	-94.2	-15.0	81.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4354.0	120.2	163.2	-2.1	22.9	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	35.0	96.7	96.7	G, H, Q, V <sup>(7)</sup>	Q	4829.7	-211.6	117.3	-33.8	80.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5169.8	-179.8	135.6	-47.3	14.0	
		13.35 m	Cumple	Cumple	35.0	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	4856.6	205.1	-149.2	-33.8	80.0	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5223.5	158.5	-180.5	-34.5	54.5	
		11.2 m	Cumple	Cumple	35.0	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	4856.6	205.1	-149.2	-33.8	80.0	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5223.5	158.5	-180.5	-34.5	54.5	
		Pie	Cumple	Cumple	35.0	98.9	98.9	G, H, Q, V <sup>(7)</sup>	Q	4856.6	205.1	-149.2	-33.8	80.0	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5223.5	158.5	-180.5	-34.5	54.5	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	14.2	99.6	99.6	G, H, Q, V <sup>(10)</sup>	Q	5497.0	281.9	276.7	-41.0	-0.1	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5931.7	287.3	259.5	-35.1	-0.2	
		9.75 m	Cumple	Cumple	14.2	99.6	99.6	G, H, Q, V <sup>(10)</sup>	Q	5497.0	281.9	276.7	-41.0	-0.1	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5931.7	287.3	259.5	-35.1	-0.2	
		5.85 m	Cumple	Cumple	14.2	99.6	99.6	G, H, Q, V <sup>(10)</sup>	Q	5497.0	281.9	276.7	-41.0	-0.1	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5931.7	287.3	259.5	-35.1	-0.2	
		Pie	Cumple	Cumple	14.2	97.5	97.5	G, H, Q, V <sup>(10)</sup>	Q	5538.3	-171.9	-282.5	-41.0	-0.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6009.8	208.8	-288.0	-25.7	15.8	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.6	97.5	97.5	G, H, Q, V <sup>(10)</sup>	Q	5538.3	-171.9	-282.5	-41.0	-0.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6009.8	208.8	-288.0	-25.7	15.8	
		Cabeza	Cumple	Cumple	23.9	68.3	68.3	G, H, Q, V <sup>(7)</sup>	Q	6409.5	-348.1	414.7	-29.8	115.3	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6875.4	-306.0	431.4	-30.1	77.5	
		0.5 m	Cumple	Cumple	23.9	69.3	69.3	G, H, Q, V <sup>(7)</sup>	Q	6492.3	604.7	-353.1	-29.8	115.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6931.2	-358.3	-433.2	-27.2	-41.3	
		Pie	Cumple	Cumple	23.9	69.3	69.3	G, H, Q, V <sup>(7)</sup>	Q	6492.3	604.7	-353.1	-29.8	115.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6931.2	-358.3	-433.2	-27.2	-41.3	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	69.3	69.3	G, H, V <sup>(13)</sup>	Q	3993.9	388.7	-252.1	-20.5	106.8	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6931.2	-358.3	-433.2	-27.2	-41.3	
		Cabeza	Cumple	Cumple	29.5	66.4	66.4	G, H, Q, V <sup>(3)</sup>	Q	7059.8	333.8	193.0	-20.9	-145.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7555.7	226.6	305.2	-23.7	-98.5	
		-0.95 m	Cumple	Cumple	29.5	66.4	66.4	G, H, Q, V <sup>(3)</sup>	Q	7059.8	333.8	193.0	-20.9	-145.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7555.7	226.6	305.2	-23.7	-98.5	
		-3 m	Cumple	Cumple	29.5	66.4	66.4	G, H, Q, V <sup>(3)</sup>	Q	7059.8	333.8	193.0	-20.9	-145.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7555.7	226.6	305.2	-23.7	-98.5	
Pie	Cumple	Cumple	29.5	66.0	66.0	G, H, Q, V <sup>(3)</sup>	Q	7112.0	-124.2	-293.0	-20.9	-145.4	Cumple		
						G, H, Q, V <sup>(9)</sup>	N,M	7607.8	-83.8	-306.6	-23.7	-98.5			
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	66.0	66.0	G, H, V <sup>(2)</sup>	Q	4399.6	-116.3	-201.0	-11.6	-135.6	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7607.8	-83.8	-306.6	-23.7	-98.5	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+H1+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(10)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(11)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(12)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(13)</sup> PP+CM+1.35·H1+1.5·V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.4	0.2	12.5	78.0	12.5	78.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	53.8	0.0	-0.3	-27.3	Cumple
			Cumple	Cumple	7.0	65.6	0.4	12.5	72.4	12.5	72.4	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	42.6	-0.1	-0.6	-21.5	Cumple
		Pie	Cumple	Cumple	7.0	65.6	0.4	12.5	72.4	12.5	72.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.5	-0.1	-0.3	-27.3	Cumple
			Cumple	Cumple	7.0	65.6	0.4	12.5	72.4	12.5	72.4	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.2	-0.6	-21.5	Cumple
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.6	0.4	12.9	72.4	12.9	72.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.5	-0.1	-0.3	-28.3	Cumple
			Cumple	Cumple	7.0	65.6	0.4	12.9	72.4	12.9	72.4	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.2	-1.1	-21.5	Cumple
		Pie	Cumple	Cumple	7.2	38.5	7.8	12.9	47.5	12.9	47.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	59.0	-29.0	-1.0	-0.3	-28.3	Cumple
			Cumple	Cumple	7.2	38.5	7.8	12.9	47.5	12.9	47.5	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.8	-20.4	-3.2	-1.1	-21.5	Cumple
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: 1 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(-Yccc-) 2 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Yccc-)																			

Notas:  
(1) 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yesc-)  
(2) 1.35-PP+1.35-CM+0.7-HI+1.05-Qa+1.5-V(-Yesc-)

## 1.44. P38

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	28.8	35.9	35.9	G, H, V <sup>(2)</sup>	Q	467.6	67.7	0.5	0.6	-36.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	898.7	-92.6	-7.7	4.5	39.6	Cumple						
		31.35 m	Cumple	Cumple	28.4	36.0	36.0	G, H, V <sup>(2)</sup>	Q	483.5	-52.4	2.5	0.6	-36.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	920.2	92.6	7.0	4.5	39.6	Cumple						
		29.2 m	Cumple	Cumple	28.4	36.0	36.0	G, H, V <sup>(2)</sup>	Q	483.5	-52.4	2.5	0.6	-36.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	920.2	92.6	7.0	4.5	39.6	Cumple						
		Pie	Cumple	Cumple	28.4	36.0	36.0	G, H, V <sup>(2)</sup>	Q	483.5	-52.4	2.5	0.6	-36.9	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	920.2	92.6	7.0	4.5	39.6	Cumple						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	28.5	50.0	50.0	G, H, V <sup>(4)</sup>	Q	882.7	-87.0	-5.7	3.3	51.3	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1597.2	-139.2	-50.5	4.6	55.2	Cumple						
		27.75 m	Cumple	Cumple	28.5	50.0	50.0	G, H, V <sup>(4)</sup>	Q	882.7	-87.0	-5.7	3.3	51.3	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1597.2	-139.2	-50.5	4.6	55.2	Cumple						
		25.6 m	Cumple	Cumple	28.5	50.0	50.0	G, H, V <sup>(4)</sup>	Q	882.7	-87.0	-5.7	3.3	51.3	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1597.2	-139.2	-50.5	4.6	55.2	Cumple						
		Pie	Cumple	Cumple	28.2	49.0	49.0	G, H, V <sup>(4)</sup>	Q	900.7	79.7	5.0	3.3	51.3	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	1621.4	132.9	50.7	4.6	55.2	Cumple						
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	28.9	64.4	64.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	2297.1	-161.2	-70.3	6.2	57.2	Cumple	
		24.15 m	Cumple	Cumple	28.9	64.4	64.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	2297.1	-161.2	-70.3	6.2	57.2	Cumple	
		22 m	Cumple	Cumple	28.9	64.4	64.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	2297.1	-161.2	-70.3	6.2	57.2	Cumple	
		Pie	Cumple	Cumple	28.9	63.1	63.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	2321.3	151.8	68.7	6.2	57.2	Cumple	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	30.9	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	3000.0	-193.1	-83.0	7.5	71.7	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3256.0	118.1	-138.6	4.2	-26.1	Cumple						
		20.55 m	Cumple	Cumple	30.9	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	3000.0	-193.1	-83.0	7.5	71.7	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3256.0	118.1	-138.6	4.2	-26.1	Cumple						
		18.4 m	Cumple	Cumple	30.9	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	3000.0	-193.1	-83.0	7.5	71.7	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3256.0	118.1	-138.6	4.2	-26.1	Cumple						
		Pie	Cumple	Cumple	30.9	68.2	68.2	G, H, Q, V <sup>(5)</sup>	Q	3026.9	182.7	84.1	7.5	71.7	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	3284.1	139.3	103.0	18.6	11.4	Cumple						
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	33.3	81.4	81.4	G, H, Q, V <sup>(5)</sup>	Q	3705.3	-199.0	-83.9	4.3	77.4	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3994.0	121.5	-156.4	0.3	-26.0	Cumple						
		16.95 m	Cumple	Cumple	33.3	81.4	81.4	G, H, Q, V <sup>(5)</sup>	Q	3705.3	-199.0	-83.9	4.3	77.4	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3994.0	121.5	-156.4	0.3	-26.0	Cumple						
		14.8 m	Cumple	Cumple	33.3	81.4	81.4	G, H, Q, V <sup>(5)</sup>	Q	3705.3	-199.0	-83.9	4.3	77.4	Cumple	
			G, H, Q, V <sup>(6)</sup>	N,M	3994.0	121.5	-156.4	0.3	-26.0	Cumple						
		Pie	Cumple	Cumple	33.3	80.5	80.5	G, H, Q, V <sup>(5)</sup>	Q	3732.2	204.6	82.0	4.3	77.4	Cumple	
			G, H, Q, V <sup>(7)</sup>	N,M	4025.8	101.4	157.0	17.0	13.6	Cumple						





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado	
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	31.5	94.0	94.0	G, H, Q, V <sup>(8)</sup>	Q	4431.0	-194.4	-81.1	9.4	72.9	Cumple	
								G, H, Q, V <sup>(9)</sup>	N,M	4737.1	131.1	-169.2	7.0	-39.6		
		13.35 m	Cumple	Cumple	31.5	96.1	96.1	G, H, Q, V <sup>(8)</sup>	Q	4457.9	194.4	101.3	9.4	72.9	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	4801.4	145.5	170.0	9.1	45.2		
		11.2 m	Cumple	Cumple	31.5	96.1	96.1	G, H, Q, V <sup>(8)</sup>	Q	4457.9	194.4	101.3	9.4	72.9	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	4801.4	145.5	170.0	9.1	45.2		
		Pie	Cumple	Cumple	31.5	96.1	96.1	G, H, Q, V <sup>(8)</sup>	Q	4457.9	194.4	101.3	9.4	72.9	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	4801.4	145.5	170.0	9.1	45.2		
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	12.2	97.3	97.3	G, H, Q, V <sup>(5)</sup>	Q	5106.8	-260.7	159.9	-3.2	34.2	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	5431.7	193.7	-263.9	4.0	-14.6		
		9.75 m	Cumple	Cumple	12.2	99.9	99.9	G, H, Q, V <sup>(5)</sup>	Q	5148.2	249.2	-261.2	-3.2	34.2	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	5529.4	214.5	-264.6	-1.4	22.3		
		5.85 m	Cumple	Cumple	12.2	99.9	99.9	G, H, Q, V <sup>(5)</sup>	Q	5148.2	249.2	-261.2	-3.2	34.2	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	5529.4	214.5	-264.6	-1.4	22.3		
		Pie	Cumple	Cumple	12.2	99.9	99.9	G, H, Q, V <sup>(5)</sup>	Q	5148.2	249.2	-261.2	-3.2	34.2	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	5529.4	214.5	-264.6	-1.4	22.3		
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.4	99.9	99.9	G, H, Q, V <sup>(5)</sup>	Q	5148.2	249.2	-261.2	-3.2	34.2	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	5529.4	214.5	-264.6	-1.4	22.3		
		Cabeza	Cumple	Cumple	28.6	68.6	68.6	G, H, Q, V <sup>(5)</sup>	Q	5955.8	-432.2	313.0	-12.5	141.4	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	6387.1	-388.3	409.5	-10.8	99.2		
		0.5 m	Cumple	Cumple	28.6	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	6038.6	633.5	-300.2	-12.5	141.4	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	6415.4	-392.5	410.5	-4.1	-36.3		
		Pie	Cumple	Cumple	28.6	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	6038.6	633.5	-300.2	-12.5	141.4	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	6415.4	-392.5	410.5	-4.1	-36.3		
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.0	68.9	68.9	G, H, Q, V <sup>(5)</sup>	Q	6038.6	633.5	-300.2	-12.5	141.4	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	6415.4	-392.5	410.5	-4.1	-36.3		
		Cabeza	Cumple	Cumple	43.6	66.4	66.4	G, H, Q, V <sup>(8)</sup>	Q	6714.2	482.4	-171.9	13.2	-216.0	Cumple	
								G, H, Q, V <sup>(12)</sup>	N,M	7170.3	203.5	-291.6	22.0	-93.3		
		-3 m	Cumple	Cumple	43.6	66.7	66.7	G, H, Q, V <sup>(8)</sup>	Q	6766.3	-197.9	280.7	13.2	-216.0	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	7239.3	-156.6	293.4	11.9	-168.9		
		Pie	Cumple	Cumple	43.6	66.7	66.7	G, H, Q, V <sup>(8)</sup>	Q	6766.3	-197.9	280.7	13.2	-216.0	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	7239.3	-156.6	293.4	11.9	-168.9		
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.1	66.7	66.7	G, H, Q, V <sup>(8)</sup>	Q	6766.3	-197.9	280.7	13.2	-216.0	Cumple	
								G, H, Q, V <sup>(10)</sup>	N,M	7239.3	-156.6	293.4	11.9	-168.9		
Notas:																
<sup>(1)</sup> La comprobación no procede																
<sup>(2)</sup> $PP+CM+1.35\cdot HI+1.5\cdot V(-Yexc.-)$																
<sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$																
<sup>(4)</sup> $PP+CM+HI+1.5\cdot V(+Yexc.-)$																
<sup>(5)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$																
<sup>(6)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$																
<sup>(7)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$																
<sup>(8)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$																
<sup>(9)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$																
<sup>(10)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$																
<sup>(11)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$																
<sup>(12)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$																

Sección de acero laminado																
Tramo	Sección	Posición	Comprobaciones							Esfuerzos p <sub>s</sub> imos						
			$\bar{\lambda}$	$\lambda_{w}$	N (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.4	0.1	12.4	77.9	12.5	77.9	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	53.8	0.0
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	42.6	-0.1
												G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.4	0.0
		Pie	Cumple	Cumple	7.0	65.6	0.3	12.4	72.2	12.5	72.2	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.6	0.3	12.9	72.2	12.9	72.2	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.4	0.0
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1
												G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	59.0	-29.0	-0.4
		Pie	Cumple	Cumple	7.2	38.4	6.6	12.9	46.2	12.9	46.2	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-20.5	-2.7
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Notas:</b>																
<sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)																
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)																





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.45. P39

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	29.9	41.0	41.0	G, H, V <sup>(2)</sup>	Q	458.8	-64.9	-8.7	3.8	37.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	926.4	-105.8	-16.5	7.3	44.4	
		31.35 m	Cumple	Cumple	29.9	41.0	41.0	G, H, V <sup>(2)</sup>	Q	458.8	-64.9	-8.7	3.8	37.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	926.4	-105.8	-16.5	7.3	44.4	
		29.2 m	Cumple	Cumple	29.9	41.0	41.0	G, H, V <sup>(2)</sup>	Q	458.8	-64.9	-8.7	3.8	37.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	926.4	-105.8	-16.5	7.3	44.4	
		Pie	Cumple	Cumple	29.5	37.5	37.5	G, H, V <sup>(2)</sup>	Q	474.7	58.1	3.6	3.8	37.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	948.2	97.1	6.4	6.7	44.3	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	26.5	49.3	49.3	G, H, V <sup>(2)</sup>	Q	906.0	-83.2	-0.5	0.2	48.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1641.2	-136.3	44.9	-0.4	52.3	
		27.75 m	Cumple	Cumple	26.5	49.3	49.3	G, H, V <sup>(2)</sup>	Q	906.0	-83.2	-0.5	0.2	48.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1641.2	-136.3	44.9	-0.4	52.3	
		25.6 m	Cumple	Cumple	26.5	49.3	49.3	G, H, V <sup>(2)</sup>	Q	906.0	-83.2	-0.5	0.2	48.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1641.2	-136.3	44.9	-0.4	52.3	
		Pie	Cumple	Cumple	26.3	48.2	48.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1665.4	128.8	-45.0	-0.4	52.3	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	29.7	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2358.0	-166.2	-64.5	2.4	59.1	Cumple
		24.15 m	Cumple	Cumple	29.7	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2358.0	-166.2	-64.5	2.4	59.1	Cumple
		22 m	Cumple	Cumple	29.7	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2358.0	-166.2	-64.5	2.4	59.1	Cumple
		Pie	Cumple	Cumple	29.7	64.1	64.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2382.2	154.6	63.5	2.4	59.1	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	31.7	70.1	70.1	G, H, Q, V <sup>(3)</sup>	Q	3076.7	-198.4	-76.7	2.9	74.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3343.9	115.4	140.9	-0.2	-23.9	
		20.55 m	Cumple	Cumple	31.7	70.1	70.1	G, H, Q, V <sup>(3)</sup>	Q	3076.7	-198.4	-76.7	2.9	74.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3343.9	115.4	140.9	-0.2	-23.9	
		18.4 m	Cumple	Cumple	31.7	70.1	70.1	G, H, Q, V <sup>(3)</sup>	Q	3076.7	-198.4	-76.7	2.9	74.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3343.9	115.4	140.9	-0.2	-23.9	
		Pie	Cumple	Cumple	31.7	69.1	69.1	G, H, Q, V <sup>(3)</sup>	Q	3103.6	186.3	76.7	2.9	74.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3373.2	95.4	141.7	13.8	13.5	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	34.8	82.9	82.9	G, H, Q, V <sup>(3)</sup>	Q	3796.7	-205.5	-79.9	3.5	81.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4104.6	118.2	158.6	0.2	-23.2	
		16.95 m	Cumple	Cumple	34.8	82.9	82.9	G, H, Q, V <sup>(3)</sup>	Q	3796.7	-205.5	-79.9	3.5	81.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4104.6	118.2	158.6	0.2	-23.2	
		14.8 m	Cumple	Cumple	34.8	82.9	82.9	G, H, Q, V <sup>(3)</sup>	Q	3796.7	-205.5	-79.9	3.5	81.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4104.6	118.2	158.6	0.2	-23.2	
		Pie	Cumple	Cumple	34.8	82.7	82.7	G, H, Q, V <sup>(3)</sup>	Q	3823.6	210.6	83.8	3.5	81.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4136.6	107.0	159.2	16.2	16.6	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	32.6	96.2	96.2	G, H, Q, V <sup>(7)</sup>	Q	4541.6	-198.5	78.5	-1.2	75.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4870.7	133.1	170.9	-3.5	-44.0	
		13.35 m	Cumple	Cumple	32.6	98.0	98.0	G, H, Q, V <sup>(7)</sup>	Q	4568.5	199.1	-76.4	-1.2	75.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4929.0	145.4	-171.7	-1.9	46.3	
		11.2 m	Cumple	Cumple	32.6	98.0	98.0	G, H, Q, V <sup>(7)</sup>	Q	4568.5	199.1	-76.4	-1.2	75.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4929.0	145.4	-171.7	-1.9	46.3	
		Pie	Cumple	Cumple	32.6	98.0	98.0	G, H, Q, V <sup>(7)</sup>	Q	4568.5	199.1	-76.4	-1.2	75.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	4929.0	145.4	-171.7	-1.9	46.3	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	13.6	96.9	96.9	G, H, Q, V <sup>(3)</sup>	Q	5229.2	-269.4	173.1	-0.8	38.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5584.6	211.8	-273.8	6.7	-18.9	
		9.75 m	Cumple	Cumple	13.6	98.5	98.5	G, H, Q, V <sup>(3)</sup>	Q	5270.6	265.8	270.0	-0.8	38.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5671.7	226.6	274.6	1.2	24.2	
		5.85 m	Cumple	Cumple	13.6	98.5	98.5	G, H, Q, V <sup>(3)</sup>	Q	5270.6	265.8	270.0	-0.8	38.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5671.7	226.6	274.6	1.2	24.2	
		Pie	Cumple	Cumple	13.6	98.5	98.5	G, H, Q, V <sup>(3)</sup>	Q	5270.6	265.8	270.0	-0.8	38.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5671.7	226.6	274.6	1.2	24.2	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.5	98.5	98.5	G, H, V <sup>(2)</sup>	Q	3194.0	242.1	-147.1	-2.1	36.6	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	5671.7	226.6	274.6	1.2	24.2	
		Cabeza	Cumple	Cumple	33.2	68.2	68.2	G, H, Q, V <sup>(3)</sup>	Q	6070.3	-461.8	-299.9	4.3	160.5	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	6525.2	-395.4	-415.6	9.7	102.1	
		0.5 m	Cumple	Cumple	33.2	68.3	68.3	G, H, Q, V <sup>(3)</sup>	Q	6153.1	704.3	-280.0	4.3	160.5	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6580.5	-371.0	417.6	11.6	-30.7	
		Pie	Cumple	Cumple	33.2	68.3	68.3	G, H, Q, V <sup>(3)</sup>	Q	6153.1	704.3	-280.0	4.3	160.5	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6580.5	-371.0	417.6	11.6	-30.7	



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.7	68.3	68.3	G, H, V <sup>(2)</sup>	Q	3757.2	491.3	-201.7	0.8	145.3	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	6580.5	-371.0	417.6	11.6	-30.7	
		Cabeza	Cumple	Cumple	46.8	65.6	65.6	G, H, Q, V <sup>(7)</sup>	Q	6780.3	504.3	-149.5	1.6	-226.4	Cumple
								G, H, Q, V <sup>(13)</sup>	N,M	7267.0	194.8	-295.3	9.3	-89.2	
		-3 m	Cumple	Cumple	46.8	65.8	65.8	G, H, Q, V <sup>(7)</sup>	Q	6832.4	-208.8	283.3	1.6	-226.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7331.3	-160.6	-297.1	-0.7	-172.5	
		Pie	Cumple	Cumple	46.8	65.8	65.8	G, H, Q, V <sup>(7)</sup>	Q	6832.4	-208.8	283.3	1.6	-226.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7331.3	-160.6	-297.1	-0.7	-172.5	
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.6	65.8	65.8	G, H, Q, V <sup>(7)</sup>	Q	6832.4	-208.8	283.3	1.6	-226.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7331.3	-160.6	-297.1	-0.7	-172.5	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+H1+1.5·V(+Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(10)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(11)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(12)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(13)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)															

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>z</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>z</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.3	0.1	12.4	77.8	12.4	77.8	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>z</sub> V <sub>z</sub> NM <sub>z</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	53.8	0.0	-0.1	-27.1	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.5	42.5	-0.1	-0.4	-21.4										
		Pie	Cumple	Cumple	7.0	65.5	0.3	12.4	72.2	12.4	72.2	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>z</sub> V <sub>z</sub> NM <sub>z</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.4	0.0	-0.1	-27.1	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.4	-21.4										
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.8	72.2	12.8	72.2	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>z</sub> V <sub>z</sub> NM <sub>z</sub> M <sub>z</sub> MV <sub>z</sub>	57.9	49.4	0.0	-0.1	-28.1	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.9	-21.4										
		Pie	Cumple	Cumple	7.1	37.8	6.5	12.8	45.4	12.8	45.4	G, H, Q, V <sup>(1)</sup>	N <sub>z</sub> M <sub>z</sub> V <sub>z</sub> NM <sub>z</sub> M <sub>z</sub> MV <sub>z</sub>	59.0	-28.5	-0.3	-0.1	-28.1	Cumple
			G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-20.1	-2.6	-0.9	-21.4										
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas:																			
<sup>(1)</sup> 1.35-PP+1.35-CM+1.35-H1+1.5-Qa+0.9-V(-Yexc.+)																			
<sup>(2)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.-)																			
<sup>(3)</sup> 1.35-PP+1.35-CM+1.35-H1+1.05-Qa+1.5-V(-Yexc.-)																			

## 1.46. P40

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	29.7	40.0	40.0	G, H, V <sup>(2)</sup>	Q	463.3	-64.1	-11.1	4.5	37.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	940.0	-102.0	-17.8	7.4	42.9	
		31.35 m	Cumple	Cumple	29.7	40.0	40.0	G, H, V <sup>(2)</sup>	Q	463.3	-64.1	-11.1	4.5	37.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	940.0	-102.0	-17.8	7.4	42.9	
		29.2 m	Cumple	Cumple	29.7	40.0	40.0	G, H, V <sup>(2)</sup>	Q	463.3	-64.1	-11.1	4.5	37.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	940.0	-102.0	-17.8	7.4	42.9	
		Pie	Cumple	Cumple	29.3	37.4	37.4	G, H, V <sup>(2)</sup>	Q	479.2	58.4	3.7	4.5	37.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	961.5	96.4	6.1	7.4	42.9	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	27.8	51.2	51.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1660.2	-142.7	49.2	-2.5	55.2	Cumple
		27.75 m	Cumple	Cumple	27.8	51.2	51.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1660.2	-142.7	49.2	-2.5	55.2	Cumple
		25.6 m	Cumple	Cumple	27.8	51.2	51.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	1660.2	-142.7	49.2	-2.5	55.2	Cumple
		Pie	Cumple	Cumple	27.8	49.4	49.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	1684.4	132.8	-48.7	-2.5	55.2	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	31.7	67.1	67.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2383.2	-173.9	-62.2	0.7	63.0	Cumple
		24.15 m	Cumple	Cumple	31.7	67.1	67.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2383.2	-173.9	-62.2	0.7	63.0	Cumple
		22 m	Cumple	Cumple	31.7	67.1	67.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2383.2	-173.9	-62.2	0.7	63.0	Cumple
		Pie	Cumple	Cumple	31.7	65.2	65.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2407.4	160.4	61.0	0.7	63.0	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	34.0	71.1	71.1	G, H, Q, V <sup>(3)</sup>	Q	3109.2	-208.2	-73.9	1.0	79.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3388.6	118.3	142.1	-2.3	-25.2	
		20.55 m	Cumple	Cumple	34.0	71.1	71.1	G, H, Q, V <sup>(3)</sup>	Q	3109.2	-208.2	-73.9	1.0	79.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3388.6	118.3	142.1	-2.3	-25.2	
		18.4 m	Cumple	Cumple	34.0	71.1	71.1	G, H, Q, V <sup>(3)</sup>	Q	3109.2	-208.2	-73.9	1.0	79.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3388.6	118.3	142.1	-2.3	-25.2	
		Pie	Cumple	Cumple	34.0	70.0	70.0	G, H, Q, V <sup>(3)</sup>	Q	3136.1	194.0	74.1	1.0	79.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3415.1	97.4	142.8	11.8	14.6	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	37.5	84.1	84.1	G, H, Q, V <sup>(3)</sup>	Q	3838.4	-216.2	-76.7	1.2	87.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4155.9	122.4	159.6	-2.5	-25.6	
		16.95 m	Cumple	Cumple	37.5	84.1	84.1	G, H, Q, V <sup>(3)</sup>	Q	3838.4	-216.2	-76.7	1.2	87.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4155.9	122.4	159.6	-2.5	-25.6	
		14.8 m	Cumple	Cumple	37.5	84.1	84.1	G, H, Q, V <sup>(3)</sup>	Q	3838.4	-216.2	-76.7	1.2	87.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4155.9	122.4	159.6	-2.5	-25.6	
		Pie	Cumple	Cumple	37.5	83.6	83.6	G, H, Q, V <sup>(3)</sup>	Q	3865.3	220.7	79.7	1.2	87.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4186.3	108.5	160.2	13.6	17.4	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	34.8	97.5	97.5	G, H, Q, V <sup>(6)</sup>	Q	4591.1	-206.8	81.6	-2.7	81.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4923.8	140.0	171.6	-5.7	-48.6	
		13.35 m	Cumple	Cumple	34.8	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4618.0	207.6	-77.5	-2.7	81.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4981.1	149.5	-172.3	-3.7	49.1	
		11.2 m	Cumple	Cumple	34.8	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4618.0	207.6	-77.5	-2.7	81.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4981.1	149.5	-172.3	-3.7	49.1	
		Pie	Cumple	Cumple	34.8	99.1	99.1	G, H, Q, V <sup>(6)</sup>	Q	4618.0	207.6	-77.5	-2.7	81.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	4981.1	149.5	-172.3	-3.7	49.1	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	13.9	94.7	94.7	G, H, Q, V <sup>(3)</sup>	Q	5287.3	-278.4	191.0	-7.1	39.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5637.8	229.1	283.9	-0.8	-23.1	
		9.75 m	Cumple	Cumple	13.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	5328.7	274.8	-279.1	-7.1	39.7	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5730.6	233.1	-285.1	-5.7	24.1	
		5.85 m	Cumple	Cumple	13.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	5328.7	274.8	-279.1	-7.1	39.7	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5730.6	233.1	-285.1	-5.7	24.1	
		Pie	Cumple	Cumple	13.9	96.0	96.0	G, H, Q, V <sup>(3)</sup>	Q	5328.7	274.8	-279.1	-7.1	39.7	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5730.6	233.1	-285.1	-5.7	24.1	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.9	96.0	96.0	G, H, V <sup>(2)</sup>	Q	3233.6	248.6	-162.6	-5.8	38.8	Cumple
		Cabeza	Cumple	Cumple	30.5	66.4	66.4	G, H, Q, V <sup>(9)</sup>	N,M	5730.6	233.1	-285.1	-5.7	24.1	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	6139.0	-219.8	312.3	-14.0	151.1	
		0.5 m	Cumple	Cumple	30.5	67.6	67.6	G, H, Q, V <sup>(8)</sup>	N,M	6593.1	-345.2	421.5	-12.8	98.2	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	6221.8	720.3	-322.0	-14.0	151.1	
		Pie	Cumple	Cumple	30.5	67.6	67.6	G, H, Q, V <sup>(10)</sup>	N,M	6635.7	-409.2	-423.0	-9.3	-50.7	Cumple
								G, H, Q, V <sup>(3)</sup>	Q	6221.8	720.3	-322.0	-14.0	151.1	
		Pie	Cumple	Cumple	30.5	67.6	67.6	G, H, Q, V <sup>(10)</sup>	N,M	6635.7	-409.2	-423.0	-9.3	-50.7	Cumple
G, H, Q, V <sup>(10)</sup>	N,M							6635.7	-409.2	-423.0	-9.3	-50.7			
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.8	67.6	67.6	G, H, V <sup>(2)</sup>	Q	3807.6	514.0	-227.9	-10.3	142.2	Cumple
		Cabeza	Cumple	Cumple	49.7	64.9	64.9	G, H, Q, V <sup>(10)</sup>	N,M	6635.7	-409.2	-423.0	-9.3	-50.7	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	6910.9	547.3	168.1	-9.4	-246.7	
		-3 m	Cumple	Cumple	49.7	65.3	65.3	G, H, Q, V <sup>(11)</sup>	N,M	7386.7	210.2	300.7	-2.6	-96.4	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	6963.1	-229.9	-288.8	-9.4	-246.7	
		Pie	Cumple	Cumple	49.7	65.3	65.3	G, H, Q, V <sup>(8)</sup>	N,M	7462.2	-175.4	-302.7	-12.6	-186.9	Cumple
								G, H, Q, V <sup>(6)</sup>	Q	6963.1	-229.9	-288.8	-9.4	-246.7	
		Pie	Cumple	Cumple	49.7	65.3	65.3	G, H, Q, V <sup>(8)</sup>	N,M	7462.2	-175.4	-302.7	-12.6	-186.9	Cumple
G, H, Q, V <sup>(8)</sup>	N,M							7462.2	-175.4	-302.7	-12.6	-186.9			
Sótano -3.80	50x100	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.3	65.3	65.3	G, H, Q, V <sup>(6)</sup>	Q	6963.1	-229.9	-288.8	-9.4	-246.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	7462.2	-175.4	-302.7	-12.6	-186.9	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+HI+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(10)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(11)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.3	0.1	12.4	77.8	12.4	77.8	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>z</sub>	57.8	53.8	0.0	-0.1	-27.3	Cumple
			Cumple	Cumple	7.0	65.5	0.3	12.4	72.1	12.4	72.1	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.5	42.5	-0.1	-0.4	-21.4	Cumple
		Pie	Cumple	Cumple	7.0	65.5	0.3	12.4	72.1	12.4	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>z</sub>	57.9	49.4	0.0	-0.1	-27.3	Cumple
			Cumple	Cumple	7.0	65.5	0.3	12.4	72.1	12.4	72.1	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.4	-21.4	Cumple
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.9	72.1	12.9	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>z</sub>	57.9	49.4	0.0	-0.1	-28.3	Cumple
			Cumple	Cumple	7.0	65.5	0.3	12.9	72.1	12.9	72.1	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.1	-0.1	-0.9	-21.4	Cumple
		Pie	Cumple	Cumple	7.1	38.3	6.3	12.9	45.8	12.9	45.8	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>z</sub>	59.0	-28.9	-0.3	-0.1	-28.3	Cumple
			Cumple	Cumple	7.1	38.3	6.3	12.9	45.8	12.9	45.8	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-20.3	-2.6	-0.9	-21.4	Cumple
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	50x100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: (1) 1.35·PP+1.35·CM+1.35·H+1.5·Qa+0.9·V(-Yesc+) (2) 1.35·PP+1.35·CM+1.35·H+1.05·Qa+1.5·V(-Xesc-)																			

## 1.47. P41

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado	
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	31.4	41.1	41.1	G, H, V <sup>(2)</sup>	Q	446.6	-68.5	0.8	-0.3	39.6	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	911.0	-109.6	-1.5	0.8	46.6		
		31.35 m	Cumple	Cumple	31.4	41.1	41.1	G, H, V <sup>(2)</sup>	Q	446.6	-68.5	0.8	-0.3	39.6	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	911.0	-109.6	-1.5	0.8	46.6		
		29.2 m	Cumple	Cumple	31.4	41.1	41.1	G, H, V <sup>(2)</sup>	Q	446.6	-68.5	0.8	-0.3	39.6	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	911.0	-109.6	-1.5	0.8	46.6		
		Pie	Cumple	Cumple	31.0	37.8	37.8	G, H, V <sup>(2)</sup>	Q	462.5	60.3	-0.3	-0.3	39.6	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	932.5	99.0	1.0	0.8	46.6		
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	28.2	50.1	50.1	G, H, V <sup>(2)</sup>	Q	889.9	-88.9	-2.5	1.1	51.0	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	1619.3	-140.9	-46.2	1.3	54.7		
		27.75 m	Cumple	Cumple	28.2	50.1	50.1	G, H, V <sup>(2)</sup>	Q	889.9	-88.9	-2.5	1.1	51.0	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	1619.3	-140.9	-46.2	1.3	54.7		
		25.6 m	Cumple	Cumple	28.2	50.1	50.1	G, H, V <sup>(2)</sup>	Q	889.9	-88.9	-2.5	1.1	51.0	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	1619.3	-140.9	-46.2	1.3	54.7		
		Pie	Cumple	Cumple	27.9	48.2	48.2	G, H, V <sup>(2)</sup>	Q	907.9	77.0	1.1	1.1	51.0	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	1643.5	130.6	45.5	1.3	54.7		
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	33.1	67.2	67.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2329.0	-178.8	-63.8	2.2	65.9	Cumple	
		24.15 m	Cumple	Cumple	33.1	67.2	67.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2329.0	-178.8	-63.8	2.2	65.9	Cumple	
		22 m	Cumple	Cumple	33.1	67.2	67.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2329.0	-178.8	-63.8	2.2	65.9	Cumple	
		Pie	Cumple	Cumple	33.1	65.0	65.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2353.2	163.4	62.9	2.2	65.9	Cumple	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	35.7	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	3040.1	-215.0	-76.4	2.9	83.3	Cumple	
		20.55 m	Cumple	Cumple	35.7	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	3040.1	-215.0	-76.4	2.9	83.3	Cumple	
		18.4 m	Cumple	Cumple	35.7	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	3040.1	-215.0	-76.4	2.9	83.3	Cumple	
		Pie	Cumple	Cumple	35.7	69.3	69.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3067.0	199.2	76.5	2.9	83.3	Cumple	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	40.2	83.0	83.0	G, H, Q, V <sup>(3)</sup>	Q	3752.6	-226.0	-79.0	2.7	93.7	Cumple	
							G, H, Q, V <sup>(4)</sup>	N,M	4056.5	128.9	157.6	-0.1	-29.2			
		16.95 m	Cumple	Cumple	40.2	83.2	83.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3779.5	230.7	81.9	2.7	93.7	Cumple	
		14.8 m	Cumple	Cumple	40.2	83.2	83.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3779.5	230.7	81.9	2.7	93.7	Cumple	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Pie	Cumple	Cumple	40.2	83.2	83.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3779.5	230.7	81.9	2.7	93.7	Cumple	
		Cabeza	Cumple	Cumple	38.4	96.6	96.6	G, H, Q, V <sup>(5)</sup>	Q	4426.8	205.8	78.8	-4.6	-89.5	Cumple	
								G, H, Q, V <sup>(6)</sup>	N,M	4806.4	150.2	170.1	-4.2	-54.9		
		13.35 m	Cumple	Cumple	38.4	97.4	97.4	G, H, Q, V <sup>(5)</sup>	Q	4453.7	-236.7	-88.0	-4.6	-89.5	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	4869.3	150.6	-170.9	-2.3	50.0		
		11.2 m	Cumple	Cumple	38.4	97.4	97.4	G, H, Q, V <sup>(5)</sup>	Q	4453.7	-236.7	-88.0	-4.6	-89.5	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	4869.3	150.6	-170.9	-2.3	50.0		
		Pie	Cumple	Cumple	38.4	97.4	97.4	G, H, Q, V <sup>(5)</sup>	Q	4453.7	-236.7	-88.0	-4.6	-89.5	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	4869.3	150.6	-170.9	-2.3	50.0	Cumple	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)		
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	19.6	94.6	94.6	G, H, Q, V <sup>(3)</sup>	Q	5163.2	-295.6	191.2	-9.4	56.5	Cumple	
								G, H, Q, V <sup>(4)</sup>	N,M	5506.1	219.2	277.9	-2.9	-17.7		
		9.75 m	Cumple	Cumple	19.6	99.3	99.3	G, H, Q, V <sup>(3)</sup>	Q	5204.5	325.6	-194.6	-9.4	56.5	Cumple	
								G, H, Q, V <sup>(8)</sup>	N,M	5599.6	277.1	-279.1	-8.1	38.5		
		5.85 m	Cumple	Cumple	19.6	99.3	99.3	G, H, Q, V <sup>(3)</sup>	Q	5204.5	325.6	-194.6	-9.4	56.5	Cumple	
								G, H, Q, V <sup>(8)</sup>	N,M	5599.6	277.1	-279.1	-8.1	38.5		
		Pie	Cumple	Cumple	19.6	99.3	99.3	G, H, Q, V <sup>(3)</sup>	Q	5204.5	325.6	-194.6	-9.4	56.5	Cumple	
								G, H, Q, V <sup>(8)</sup>	N,M	5599.6	277.1	-279.1	-8.1	38.5		
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.7	99.3	99.3	G, H, V <sup>(2)</sup>	Q	3152.9	287.9	-165.8	-7.3	51.9	Cumple	
								G, H, Q, V <sup>(8)</sup>	N,M	5599.6	277.1	-279.1	-8.1	38.5		
		Cabeza	Cumple	Cumple	18.9	78.1	78.1	G, H, Q, V <sup>(3)</sup>	Q	5874.2	-367.0	243.6	-13.9	72.5	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	6310.7	-339.7	244.0	-12.2	53.1		
		0.5 m	Cumple	Cumple	18.9	80.9	80.9	G, H, Q, V <sup>(3)</sup>	Q	5933.8	401.9	-231.9	-13.9	72.5	Cumple	
								G, H, Q, V <sup>(9)</sup>	N,M	6364.7	311.8	-332.6	-9.9	45.8		
		Pie	Cumple	Cumple	18.9	80.9	80.9	G, H, Q, V <sup>(3)</sup>	Q	5933.8	401.9	-231.9	-13.9	72.5	Cumple	
								G, H, Q, V <sup>(9)</sup>	N,M	6364.7	311.8	-332.6	-9.9	45.8		
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	24.5	81.1	81.1	G, H, Q, V <sup>(10)</sup>	Q	6643.9	309.6	-128.0	9.4	-95.3	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	7104.1	222.4	-251.7	18.1	-54.4		
		-0.95 m	Cumple	Cumple	24.5	81.1	81.1	G, H, Q, V <sup>(10)</sup>	Q	6643.9	309.6	-128.0	9.4	-95.3	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	7104.1	222.4	-251.7	18.1	-54.4		
		-3 m	Cumple	Cumple	24.5	81.1	81.1	G, H, Q, V <sup>(10)</sup>	Q	6643.9	309.6	-128.0	9.4	-95.3	Cumple	
								G, H, Q, V <sup>(11)</sup>	N,M	7104.1	222.4	-251.7	18.1	-54.4		
		Pie	Cumple	Cumple	24.5	79.0	79.0	G, H, Q, V <sup>(10)</sup>	Q	6681.4	-242.3	119.0	9.4	-95.3	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	7163.8	-252.9	117.9	7.6	-79.7		
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.0	79.0	79.0	G, H, Q, V <sup>(10)</sup>	Q	6681.4	-242.3	119.0	9.4	-95.3	Cumple	
								G, H, Q, V <sup>(7)</sup>	N,M	7163.8	-252.9	117.9	7.6	-79.7		
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+HI+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(10)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(11)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)																

Sección de acero laminado																				
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)		
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.2	0.1	12.3	77.8	12.4	77.8	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	57.8	53.7	0.0	-0.1	-27.1	Cumple	
		Pie	Cumple	Cumple	7.0	65.5	0.3	12.3	72.1	12.4	72.1	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.5	42.4	-0.1	-0.4	-21.3	Cumple	
												G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	57.8	49.4	0.0	-0.1	-27.1		
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.0	-0.1	-0.4	-21.3		
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.8	72.1	12.8	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	57.8	49.4	0.0	-0.1	-28.1	Cumple	
		Pie	Cumple	Cumple	7.1	37.7	6.7	12.8	45.5	12.8	45.5	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.0	-0.1	-0.9	-21.3		Cumple
												G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	58.9	-28.4	-0.4	-0.1	-28.1		
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-19.9	-2.7	-0.9	-21.3		
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)																				



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.48. P42

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	31.9	41.4	41.4	G, H, V <sup>(2)</sup>	Q	453.7	-68.9	-5.1	2.3	40.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	917.9	-109.5	-7.1	3.3	47.1	
		31.35 m	Cumple	Cumple	31.9	41.4	41.4	G, H, V <sup>(2)</sup>	Q	453.7	-68.9	-5.1	2.3	40.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	917.9	-109.5	-7.1	3.3	47.1	
		29.2 m	Cumple	Cumple	31.9	41.4	41.4	G, H, V <sup>(2)</sup>	Q	453.7	-68.9	-5.1	2.3	40.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	917.9	-109.5	-7.1	3.3	47.1	
		Pie	Cumple	Cumple	31.5	38.7	38.7	G, H, V <sup>(2)</sup>	Q	469.7	62.5	2.4	2.3	40.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	939.4	101.3	3.6	3.3	47.1	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	30.8	51.8	51.8	G, H, V <sup>(2)</sup>	Q	891.7	-97.5	-2.0	1.1	55.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1615.7	-149.7	-45.5	1.2	59.6	
		27.75 m	Cumple	Cumple	30.8	51.8	51.8	G, H, V <sup>(2)</sup>	Q	891.7	-97.5	-2.0	1.1	55.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1615.7	-149.7	-45.5	1.2	59.6	
		25.6 m	Cumple	Cumple	30.8	51.8	51.8	G, H, V <sup>(2)</sup>	Q	891.7	-97.5	-2.0	1.1	55.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1615.7	-149.7	-45.5	1.2	59.6	
		Pie	Cumple	Cumple	30.5	49.6	49.6	G, H, V <sup>(2)</sup>	Q	909.7	83.9	1.4	1.1	55.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1639.9	137.5	45.8	1.2	59.6	
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	36.6	69.4	69.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2316.5	-190.6	-64.9	2.9	72.8	Cumple
		24.15 m	Cumple	Cumple	36.6	69.4	69.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2316.5	-190.6	-64.9	2.9	72.8	Cumple
		22 m	Cumple	Cumple	36.6	69.4	69.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2316.5	-190.6	-64.9	2.9	72.8	Cumple
		Pie	Cumple	Cumple	36.6	66.5	66.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	2340.7	173.7	63.9	2.9	72.8	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	39.8	72.9	72.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3021.1	-231.4	-77.4	3.6	92.8	Cumple
		20.55 m	Cumple	Cumple	39.8	72.9	72.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3021.1	-231.4	-77.4	3.6	92.8	Cumple
		18.4 m	Cumple	Cumple	39.8	72.9	72.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3021.1	-231.4	-77.4	3.6	92.8	Cumple
		Pie	Cumple	Cumple	39.8	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	3048.0	213.3	77.5	3.6	92.8	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	45.5	83.9	83.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3729.3	-245.1	-80.8	4.1	106.0	Cumple
		16.95 m	Cumple	Cumple	45.5	85.3	85.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3756.2	251.5	84.5	4.1	106.0	Cumple
		14.8 m	Cumple	Cumple	45.5	85.3	85.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3756.2	251.5	84.5	4.1	106.0	Cumple
		Pie	Cumple	Cumple	45.5	85.3	85.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3756.2	251.5	84.5	4.1	106.0	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	39.6	96.6	96.6	G, H, Q, V <sup>(4)</sup>	Q	4461.3	-230.0	76.4	0.8	92.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4760.1	158.5	-169.5	-1.2	-55.3	
		13.35 m	Cumple	Cumple	39.6	97.6	97.6	G, H, Q, V <sup>(4)</sup>	Q	4488.2	221.5	79.0	0.8	92.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4832.5	160.1	170.5	0.3	55.9	
		11.2 m	Cumple	Cumple	39.6	97.6	97.6	G, H, Q, V <sup>(4)</sup>	Q	4488.2	221.5	79.0	0.8	92.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4832.5	160.1	170.5	0.3	55.9	
		Pie	Cumple	Cumple	39.6	97.6	97.6	G, H, Q, V <sup>(4)</sup>	Q	4488.2	221.5	79.0	0.8	92.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4832.5	160.1	170.5	0.3	55.9	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	20.1	95.9	95.9	G, H, Q, V <sup>(3)</sup>	Q	5142.3	-294.6	177.2	-4.2	57.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5444.3	218.3	-271.8	2.8	-23.8	
		9.75 m	Cumple	Cumple	20.1	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5183.7	321.1	-173.4	-4.2	57.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5561.5	264.7	-273.0	-2.5	37.5	
		5.85 m	Cumple	Cumple	20.1	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5183.7	321.1	-173.4	-4.2	57.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5561.5	264.7	-273.0	-2.5	37.5	
		Pie	Cumple	Cumple	20.1	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5183.7	321.1	-173.4	-4.2	57.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5561.5	264.7	-273.0	-2.5	37.5	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	100.0	100.0	G, H, V <sup>(2)</sup>	Q	3158.5	292.3	-154.1	-4.1	53.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5561.5	264.7	-273.0	-2.5	37.5	
		Cabeza	Cumple	Cumple	18.0	79.3	79.3	G, H, Q, V <sup>(3)</sup>	Q	5962.1	-347.1	217.4	-10.1	68.3	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6362.2	-329.2	237.4	-20.4	8.3	
		0.5 m	Cumple	Cumple	18.0	83.5	83.5	G, H, Q, V <sup>(3)</sup>	Q	6021.7	396.1	-234.8	-10.1	68.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6453.3	317.7	-331.1	-8.6	43.5	
		Pie	Cumple	Cumple	18.0	83.5	83.5	G, H, Q, V <sup>(3)</sup>	Q	6021.7	396.1	-234.8	-10.1	68.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6453.3	317.7	-331.1	-8.6	43.5	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	28.3	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	6712.5	334.4	130.6	-11.5	-108.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7157.2	236.5	250.8	-4.2	-62.3	
		-0.95 m	Cumple	Cumple	28.3	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	6712.5	334.4	130.6	-11.5	-108.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7157.2	236.5	250.8	-4.2	-62.3	
		-3 m	Cumple	Cumple	28.3	83.6	83.6	G, H, Q, V <sup>(4)</sup>	Q	6712.5	334.4	130.6	-11.5	-108.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7157.2	236.5	250.8	-4.2	-62.3	
		Pie	Cumple	Cumple	28.3	81.3	81.3	G, H, Q, V <sup>(4)</sup>	Q	6750.0	-242.2	-119.9	-11.5	-108.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7197.5	-251.6	-142.0	-31.3	-57.1	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.9	81.3	81.3	G, H, Q, V <sup>(4)</sup>	Q	6750.0	-242.2	-119.9	-11.5	-108.2	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7197.5	-251.6	-142.0	-31.3	-57.1	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pèsimos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
(1) La comprobación no procede														
(2) $PP+CM+H1+1.5\cdot V(+Yexc.+)$														
(3) $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$														
(4) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$														
(5) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(6) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(7) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(8) $1.35\cdot PP+1.35\cdot CM+H1+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(9) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(10) $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$														

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_{ac}$	N <sub>i</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	71.2	0.1	12.4	77.8	12.4	77.8	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	53.7	0.0	-0.1	-27.2	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.5	42.4	-0.1	-0.4	-21.3								
		Pie	Cumple	Cumple	7.0	65.5	0.3	12.4	72.1	12.4	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	49.4	0.0	-0.1	-27.2	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.0	-0.1	-0.4	-21.3								
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.8	72.1	12.8	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	57.8	49.4	0.0	-0.1	-28.2	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	39.0	-0.1	-0.9	-21.3								
		Pie	Cumple	Cumple	7.1	37.9	6.5	12.8	45.7	12.8	45.7	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> M <sub>y</sub> , V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	59.0	-28.6	-0.4	-0.1	-28.2	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.7	-20.1	-2.7	-0.9	-21.3								
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)																			

## 1.49. P43

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 160 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	33.2	43.0	43.0	G, H, V <sup>(2)</sup>	Q	446.5	-72.9	3.1	-1.1	41.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	915.9	-114.5	6.5	-2.2	48.7						
		31.35 m	Cumple	Cumple	33.2	43.0	43.0	G, H, V <sup>(2)</sup>	Q	446.5	-72.9	3.1	-1.1	41.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	915.9	-114.5	6.5	-2.2	48.7						
		29.2 m	Cumple	Cumple	33.2	43.0	43.0	G, H, V <sup>(2)</sup>	Q	446.5	-72.9	3.1	-1.1	41.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	915.9	-114.5	6.5	-2.2	48.7						
		Pie	Cumple	Cumple	32.7	38.7	38.7	G, H, V <sup>(2)</sup>	Q	462.4	63.0	-0.3	-1.1	41.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	937.5	101.6	-0.5	-2.2	48.7						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	30.1	51.9	51.9	G, H, V <sup>(2)</sup>	Q	894.9	-95.8	-5.3	2.7	54.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1631.6	-145.9	-52.2	4.3	56.9						
		27.75 m	Cumple	Cumple	30.1	51.9	51.9	G, H, V <sup>(2)</sup>	Q	894.9	-95.8	-5.3	2.7	54.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1631.6	-145.9	-52.2	4.3	56.9						
		25.6 m	Cumple	Cumple	30.1	51.9	51.9	G, H, V <sup>(2)</sup>	Q	894.9	-95.8	-5.3	2.7	54.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1631.6	-145.9	-52.2	4.3	56.9						
		Pie	Cumple	Cumple	29.8	49.4	49.4	G, H, V <sup>(2)</sup>	Q	912.8	81.7	3.4	2.7	54.6	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1655.8	133.4	50.1	4.3	56.9						
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	37.1	70.5	70.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	2349.8	-193.4	-66.8	4.0	73.7	Cumple
		24.15 m	Cumple	Cumple	37.1	70.5	70.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	2349.8	-193.4	-66.8	4.0	73.7	Cumple
		22 m	Cumple	Cumple	37.1	70.5	70.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	2349.8	-193.4	-66.8	4.0	73.7	Cumple
		Pie	Cumple	Cumple	37.1	67.4	67.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2374.0	174.8	66.3	4.0	73.7	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	40.7	74.3	74.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3069.6	-235.9	-80.4	5.1	94.9	Cumple
		20.55 m	Cumple	Cumple	40.7	74.3	74.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3069.6	-235.9	-80.4	5.1	94.9	Cumple
		18.4 m	Cumple	Cumple	40.7	74.3	74.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3069.6	-235.9	-80.4	5.1	94.9	Cumple
		Pie	Cumple	Cumple	40.7	72.2	72.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3096.5	216.4	80.3	5.1	94.9	Cumple





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	47.0	85.6	85.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	3790.1	-251.3	-83.0	5.3	109.4	Cumple
		16.95 m	Cumple	Cumple	47.0	86.9	86.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3817.0	256.7	86.6	5.3	109.4	Cumple
		14.8 m	Cumple	Cumple	47.0	86.9	86.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3817.0	256.7	86.6	5.3	109.4	Cumple
		Pie	Cumple	Cumple	47.0	86.9	86.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3817.0	256.7	86.6	5.3	109.4	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	44.4	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	4480.5	233.4	-78.4	-1.3	-103.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4861.3	168.5	-170.8	-0.8	-64.2	
		13.35 m	Cumple	Cumple	44.4	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	4480.5	233.4	-78.4	-1.3	-103.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4861.3	168.5	-170.8	-0.8	-64.2	
		11.2 m	Cumple	Cumple	44.4	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	4480.5	233.4	-78.4	-1.3	-103.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4861.3	168.5	-170.8	-0.8	-64.2	
		Pie	Cumple	Cumple	44.4	98.6	98.6	G, H, Q, V <sup>(4)</sup>	Q	4507.4	-254.2	-82.6	-1.3	-103.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4915.9	156.4	171.5	0.6	54.7	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Cabeza	Cumple	Cumple	22.3	95.6	95.6	G, H, Q, V <sup>(3)</sup>	Q	5225.5	-314.0	184.4	-5.7	64.7	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5574.3	221.8	-278.8	1.1	-19.7	
		9.75 m	Cumple	Cumple	22.3	99.2	99.2	G, H, Q, V <sup>(3)</sup>	Q	5266.9	348.2	-182.7	-5.7	64.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5659.2	266.2	-279.7	-2.3	34.5	
		5.85 m	Cumple	Cumple	22.3	99.2	99.2	G, H, Q, V <sup>(3)</sup>	Q	5266.9	348.2	-182.7	-5.7	64.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5659.2	266.2	-279.7	-2.3	34.5	
		Pie	Cumple	Cumple	22.3	99.2	99.2	G, H, Q, V <sup>(3)</sup>	Q	5266.9	348.2	-182.7	-5.7	64.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5659.2	266.2	-279.7	-2.3	34.5	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.2	99.2	99.2	G, H, V <sup>(2)</sup>	Q	3191.3	309.9	-159.1	-5.0	59.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5659.2	266.2	-279.7	-2.3	34.5	
		Cabeza	Cumple	Cumple	22.0	78.6	78.6	G, H, Q, V <sup>(3)</sup>	Q	5926.9	-393.0	214.1	-3.3	86.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6371.5	-360.0	213.6	-1.4	63.4	
		0.5 m	Cumple	Cumple	22.0	82.3	82.3	G, H, Q, V <sup>(3)</sup>	Q	5986.5	444.5	-209.6	-3.3	86.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6424.4	330.6	334.0	0.9	52.2	
		Pie	Cumple	Cumple	22.0	82.3	82.3	G, H, Q, V <sup>(3)</sup>	Q	5986.5	444.5	-209.6	-3.3	86.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6424.4	330.6	334.0	0.9	52.2	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.6	82.3	82.3	G, H, Q, V <sup>(3)</sup>	Q	5986.5	444.5	-209.6	-3.3	86.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6424.4	330.6	334.0	0.9	52.2	
		Cabeza	Cumple	Cumple	26.4	81.7	81.7	G, H, Q, V <sup>(9)</sup>	Q	6710.1	322.7	-144.4	17.3	-101.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7182.2	218.3	-253.3	25.8	-52.4	
		-0.95 m	Cumple	Cumple	26.4	81.7	81.7	G, H, Q, V <sup>(9)</sup>	Q	6710.1	322.7	-144.4	17.3	-101.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7182.2	218.3	-253.3	25.8	-52.4	
		-3 m	Cumple	Cumple	26.4	81.7	81.7	G, H, Q, V <sup>(9)</sup>	Q	6710.1	322.7	-144.4	17.3	-101.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7182.2	218.3	-253.3	25.8	-52.4	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	80.0	80.0	G, H, Q, V <sup>(9)</sup>	Q	6747.6	-243.8	127.9	17.3	-101.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7219.7	-254.1	137.5	25.8	-52.4	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> PP+CM+H1+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(10)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>1</sub> M <sub>2</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	72.0	0.2	12.4	78.6	12.5	78.6	G, H, Q, V <sup>(1)</sup>	N <sub>1</sub> M <sub>1</sub> , V <sub>z</sub> , NM <sub>1</sub> M <sub>2</sub> , M <sub>2</sub> V <sub>z</sub>	57.9	54.3	0.0	-0.2	-27.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.6	42.9	-0.1	-0.4	-21.4	
		Pie	Cumple	Cumple	7.0	66.2	0.3	12.4	72.9	12.5	72.9	G, H, Q, V <sup>(1)</sup>	N <sub>1</sub> M <sub>1</sub> , V <sub>z</sub> , NM <sub>1</sub> M <sub>2</sub> , M <sub>2</sub> V <sub>z</sub>	58.0	50.0	-0.1	-0.2	-27.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.7	39.5	-0.1	-0.4	-21.4	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 160 A	Cabeza	Cumple	Cumple	9.0	89.5	0.4	14.1	97.8	14.1	97.8	G, H, Q, V <sup>(1)</sup>	N <sub>1</sub> M <sub>1</sub> , V <sub>z</sub> , NM <sub>1</sub> M <sub>2</sub> , M <sub>2</sub> V <sub>z</sub>	58.0	50.0	-0.1	-0.2	-28.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.7	39.5	-0.1	-1.0	-21.4	
		Pie	Cumple	Cumple	9.2	51.0	9.1	14.1	61.2	14.1	61.2	G, H, Q, V <sup>(1)</sup>	N <sub>1</sub> M <sub>1</sub> , V <sub>z</sub> , NM <sub>1</sub> M <sub>2</sub> , M <sub>2</sub> V <sub>z</sub>	59.1	-28.5	-0.5	-0.2	-28.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	47.8	-19.9	-2.8	-1.0	-21.4	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de acero laminado																		
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>x</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<div>Notas:</div> <div><div><sup>(a)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)</div><div><sup>(a)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)</div></div>																		



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.50. P44

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	34.5	39.5	39.5	G, H, V <sup>(2)</sup>	Q	491.0	81.3	-1.3	-1.0	-45.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	945.6	102.8	-7.9	1.2	-42.1	
		31.35 m	Cumple	Cumple	34.5	39.5	39.5	G, H, V <sup>(2)</sup>	Q	491.0	81.3	-1.3	-1.0	-45.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	945.6	102.8	-7.9	1.2	-42.1	
		29.2 m	Cumple	Cumple	34.5	39.5	39.5	G, H, V <sup>(2)</sup>	Q	491.0	81.3	-1.3	-1.0	-45.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	945.6	102.8	-7.9	1.2	-42.1	
		Pie	Cumple	Cumple	34.1	36.6	36.6	G, H, V <sup>(2)</sup>	Q	506.9	-65.7	-4.4	-1.0	-45.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	967.1	-93.4	-4.0	1.2	-42.1	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	33.0	57.1	57.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1693.4	162.3	64.5	-10.6	-64.8	Cumple
		27.75 m	Cumple	Cumple	33.0	57.1	57.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1693.4	162.3	64.5	-10.6	-64.8	Cumple
		25.6 m	Cumple	Cumple	33.0	57.1	57.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1693.4	162.3	64.5	-10.6	-64.8	Cumple
		Pie	Cumple	Cumple	33.0	53.8	53.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	1717.6	-146.3	-61.5	-10.6	-64.8	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	39.9	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2434.0	203.1	74.5	-8.3	-78.9	Cumple
		24.15 m	Cumple	Cumple	39.9	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2434.0	203.1	74.5	-8.3	-78.9	Cumple
		22 m	Cumple	Cumple	39.9	74.1	74.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	2434.0	203.1	74.5	-8.3	-78.9	Cumple
		Pie	Cumple	Cumple	39.9	70.8	70.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2458.2	-184.1	-74.8	-8.3	-78.9	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	44.1	77.9	77.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3173.9	249.3	88.7	-9.3	-102.4	Cumple
		20.55 m	Cumple	Cumple	44.1	77.9	77.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3173.9	249.3	88.7	-9.3	-102.4	Cumple
		18.4 m	Cumple	Cumple	44.1	77.9	77.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	3173.9	249.3	88.7	-9.3	-102.4	Cumple
		Pie	Cumple	Cumple	44.1	75.6	75.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	3200.8	-229.3	-87.5	-9.3	-102.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	48.1	89.2	89.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3914.3	262.3	92.9	-10.5	-111.8	Cumple
		16.95 m	Cumple	Cumple	48.1	89.2	89.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3914.3	262.3	92.9	-10.5	-111.8	Cumple
		14.8 m	Cumple	Cumple	48.1	89.2	89.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	3914.3	262.3	92.9	-10.5	-111.8	Cumple
		Pie	Cumple	Cumple	48.1	88.5	88.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	3941.2	-253.7	-94.1	-10.5	-111.8	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	50.6	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q	4654.9	282.4	91.1	-7.1	-125.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5045.3	177.2	178.2	-6.3	-61.7	
		13.35 m	Cumple	Cumple	50.6	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q	4654.9	282.4	91.1	-7.1	-125.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5045.3	177.2	178.2	-6.3	-61.7	
		11.2 m	Cumple	Cumple	50.6	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q	4654.9	282.4	91.1	-7.1	-125.2	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50							G, H, Q, V <sup>(5)</sup>	N,M	5045.3	177.2	178.2	-6.3	-61.7	
		Pie	Cumple	Cumple	50.6	96.7	96.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	4681.8	-282.6	-89.9	-7.1	-125.2	Cumple
		Cabeza	Cumple	Cumple	22.9	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5328.3	315.7	-172.1	-2.1	-66.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5765.1	259.3	280.8	-4.1	-44.0	
		9.75 m	Cumple	Cumple	22.9	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5328.3	315.7	-172.1	-2.1	-66.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5765.1	259.3	280.8	-4.1	-44.0	
		5.85 m	Cumple	Cumple	22.9	100.0	100.0	G, H, Q, V <sup>(3)</sup>	Q	5328.3	315.7	-172.1	-2.1	-66.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5765.1	259.3	280.8	-4.1	-44.0	
		Pie	Cumple	Cumple	22.9	99.2	99.2	G, H, Q, V <sup>(3)</sup>	Q	5369.7	-356.2	-182.2	-2.1	-66.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5875.9	227.4	-281.7	-9.7	26.3	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	99.2	99.2	G, H, V <sup>(2)</sup>	Q	3248.4	-323.6	-155.4	-0.1	-63.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5875.9	227.4	-281.7	-9.7	26.3	
		Cabeza	Cumple	Cumple	28.8	85.2	85.2	G, H, Q, V <sup>(3)</sup>	Q	6274.3	430.7	269.9	-22.2	-110.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6766.9	383.5	277.5	-25.6	-83.6	
		0.5 m	Cumple	Cumple	28.8	88.2	88.2	G, H, Q, V <sup>(3)</sup>	Q	6333.9	-533.2	-251.2	-22.2	-110.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6826.5	-445.9	-261.6	-25.6	-83.6	
		Pie	Cumple	Cumple	28.8	88.2	88.2	G, H, Q, V <sup>(3)</sup>	Q	6333.9	-533.2	-251.2	-22.2	-110.7	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6826.5	-445.9	-261.6	-25.6	-83.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	38.9	90.6	90.6	G, H, Q, V <sup>(8)</sup>	Q	7224.6	422.6	164.4	-26.7	-150.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7718.6	382.4	171.2	-30.1	-131.3	
		-0.95 m	Cumple	Cumple	38.9	90.6	90.6	G, H, Q, V <sup>(8)</sup>	Q	7224.6	422.6	164.4	-26.7	-150.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7718.6	382.4	171.2	-30.1	-131.3	
		-3 m	Cumple	Cumple	38.9	90.6	90.6	G, H, Q, V <sup>(8)</sup>	Q	7224.6	422.6	164.4	-26.7	-150.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	7718.6	382.4	171.2	-30.1	-131.3	
		Pie	Cumple	Cumple	38.9	85.5	85.5	G, H, Q, V <sup>(8)</sup>	Q	7262.1	-269.6	-139.3	-26.7	-150.1	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7719.8	-264.0	-160.2	-46.0	-93.0	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.6	85.5	85.5	G, H, Q, V <sup>(9)</sup>	Q	7756.1	-264.7	-142.9	-30.1	-131.3	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7719.8	-264.0	-160.2	-46.0	-93.0	



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
(1) La comprobación no procede														
(2) $PP+CM+1.35\cdot HI+1.5\cdot V(-Yexc.+)$														
(3) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$														
(4) $1.35\cdot PP+1.35\cdot CM+HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$														
(5) $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(-Yexc.-)$														
(6) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$														
(7) $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(+Yexc.+)$														
(8) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$														
(9) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(+Yexc.-)$														
(10) $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.-)$														

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos							Estado
			$\bar{\lambda}$	$\lambda_{ex}$	N <sub>i</sub> (%)	M <sub>i</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>i</sub> M <sub>z</sub> (%)	MV <sub>i</sub> z (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	6.9	74.2	0.4	12.9	80.9	12.9	80.9	G, H, Q, V <sup>(1)</sup>	N <sub>i</sub> M <sub>i</sub> , V <sub>z</sub> NM <sub>i</sub> M <sub>z</sub> MV <sub>z</sub>	57.0	56.0	-0.1	-0.1	-28.3	Cumple
			Cumple	Cumple	6.9	68.2	0.7	12.9	75.0	12.9	75.0	G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	46.0	44.2	-0.2	-0.7	-21.9	
		Pie	Cumple	Cumple	6.9	68.2	0.7	12.9	75.0	12.9	75.0	G, H, Q, V <sup>(3)</sup>	N <sub>i</sub> V <sub>z</sub> MV <sub>z</sub>	57.1	51.4	-0.1	-0.1	-28.3	Cumple
			Cumple	Cumple	6.9	68.2	0.7	12.9	75.0	12.9	75.0	G, H, Q, V <sup>(4)</sup>	M <sub>y</sub> NM <sub>i</sub> M <sub>z</sub>	57.1	51.4	-0.1	-0.1	-28.3	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	6.9	68.2	0.7	13.4	75.0	13.4	75.0	G, H, Q, V <sup>(1)</sup>	N <sub>i</sub> V <sub>z</sub> MV <sub>z</sub>	57.1	51.4	-0.1	-0.1	-29.4	Cumple
			Cumple	Cumple	6.9	68.2	0.7	13.4	75.0	13.4	75.0	G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> NM <sub>i</sub> M <sub>z</sub>	57.1	51.4	-0.1	-0.1	-29.4	
		Pie	Cumple	Cumple	7.1	39.9	9.5	13.4	47.7	13.4	47.7	G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	46.1	40.7	-0.3	-1.3	-21.9	Cumple
			Cumple	Cumple	7.1	39.9	9.5	13.4	47.7	13.4	47.7	G, H, Q, V <sup>(4)</sup>	N <sub>i</sub> M <sub>i</sub> , V <sub>z</sub> NM <sub>i</sub> M <sub>z</sub> MV <sub>z</sub>	58.4	-30.1	-0.4	-0.1	-29.4	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)																			

## 1.51. P45

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	34.3	47.7	47.7	G, H, V <sup>(2)</sup>	Q	509.8	82.7	25.8	-10.3	-44.4	Cumple
		31.35 m	Cumple	Cumple	34.3	47.7	47.7	G, H, V <sup>(2)</sup>	Q	509.8	82.7	25.8	-10.3	-44.4	Cumple
		29.2 m	Cumple	Cumple	34.3	47.7	47.7	G, H, Q, V <sup>(3)</sup>	N,M	987.0	108.6	58.1	-23.6	-42.3	Cumple
		Pie	Cumple	Cumple	33.8	37.3	37.3	G, H, V <sup>(2)</sup>	Q	509.8	82.7	25.8	-10.3	-44.4	Cumple
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	28.4	55.2	55.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1731.5	148.1	-70.0	11.9	-55.2	Cumple
		27.75 m	Cumple	Cumple	28.4	55.2	55.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1731.5	148.1	-70.0	11.9	-55.2	Cumple
		25.6 m	Cumple	Cumple	28.4	55.2	55.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	1731.5	148.1	-70.0	11.9	-55.2	Cumple
		Pie	Cumple	Cumple	28.4	51.3	51.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1755.7	-131.6	62.3	11.9	-55.2	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	36.2	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	2473.9	192.9	-66.6	4.1	-71.8	Cumple
		24.15 m	Cumple	Cumple	36.2	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	2473.9	192.9	-66.6	4.1	-71.8	Cumple
		22 m	Cumple	Cumple	36.2	71.8	71.8	G, H, Q, V <sup>(4)</sup>	Q,N,M	2473.9	192.9	-66.6	4.1	-71.8	Cumple
		Pie	Cumple	Cumple	36.2	69.1	69.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	2498.1	-172.2	69.8	4.1	-71.8	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	40.1	76.3	76.3	G, H, Q, V <sup>(4)</sup>	Q	3210.8	235.3	-82.9	5.7	-93.4	Cumple
		20.55 m	Cumple	Cumple	40.1	76.3	76.3	G, H, Q, V <sup>(5)</sup>	N,M	3205.6	-232.3	-91.1	10.6	91.1	Cumple
		18.4 m	Cumple	Cumple	40.1	76.3	76.3	G, H, Q, V <sup>(4)</sup>	Q	3210.8	235.3	-82.9	5.7	-93.4	Cumple
		Pie	Cumple	Cumple	40.1	73.9	73.9	G, H, Q, V <sup>(4)</sup>	Q	3237.7	-214.5	82.0	5.7	-93.4	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	47.4	88.7	88.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	3969.0	-252.7	-92.3	11.6	109.9	Cumple
		16.95 m	Cumple	Cumple	47.4	90.0	90.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	3996.0	257.3	98.4	11.6	109.9	Cumple
		14.8 m	Cumple	Cumple	47.4	90.0	90.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	3996.0	257.3	98.4	11.6	109.9	Cumple
		Pie	Cumple	Cumple	47.4	90.0	90.0	G, H, Q, V <sup>(5)</sup>	Q,N,M	3996.0	257.3	98.4	11.6	109.9	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	52.6	97.3	97.3	G, H, Q, V <sup>(3)</sup>	Q	4672.1	280.8	-93.2	6.5	-130.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5076.3	168.3	-178.6	8.6	-60.7	
		13.35 m	Cumple	Cumple	52.6	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	4699.0	-301.0	86.0	6.5	-130.4	Cumple
		11.2 m	Cumple	Cumple	52.6	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	4699.0	-301.0	86.0	6.5	-130.4	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	50x50	Pie	Cumple	Cumple	52.6	98.7	98.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	4699.0	-301.0	86.0	6.5	-130.4	Cumple
		Cabeza	Cumple	Cumple	24.8	99.2	99.2	G, H, Q, V <sup>(4)</sup>	Q	5372.0	335.4	-200.3	11.8	-70.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5820.5	273.4	-286.1	10.3	-45.9	
		9.75 m	Cumple	Cumple	24.8	99.2	99.2	G, H, Q, V <sup>(4)</sup>	Q	5372.0	335.4	-200.3	11.8	-70.9	Cumple
						G, H, Q, V <sup>(8)</sup>	N,M	5820.5	273.4	-286.1	10.3	-45.9			
5.85 m	Cumple	Cumple	24.8	99.2	99.2	G, H, Q, V <sup>(4)</sup>	Q	5372.0	335.4	-200.3	11.8	-70.9	Cumple		
						G, H, Q, V <sup>(8)</sup>	N,M	5820.5	273.4	-286.1	10.3	-45.9			
Pie	Cumple	Cumple	24.8	98.7	98.7	G, H, Q, V <sup>(4)</sup>	Q	5413.4	-364.0	203.5	11.8	-70.9	Cumple		
						G, H, Q, V <sup>(9)</sup>	N,M	5929.4	245.5	287.3	4.9	31.1			
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.0	98.7	98.7	G, H, V <sup>(2)</sup>	Q	3259.6	-330.3	173.8	9.3	-67.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5929.4	245.5	287.3	4.9	31.1	
		Cabeza	Cumple	Cumple	26.4	84.0	84.0	G, H, Q, V <sup>(3)</sup>	Q	6286.8	398.4	-268.6	25.4	-99.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6807.7	325.1	-344.6	21.9	-55.5	
0.5 m	Cumple	Cumple	26.4	86.1	86.1	G, H, Q, V <sup>(3)</sup>	Q	6346.4	-511.9	273.4	25.4	-99.1	Cumple		
						G, H, Q, V <sup>(4)</sup>	N,M	6346.4	-511.8	273.5	25.5	-99.1			
Pie	Cumple	Cumple	26.4	86.1	86.1	G, H, Q, V <sup>(3)</sup>	Q	6346.4	-511.9	273.4	25.4	-99.1	Cumple		
						G, H, Q, V <sup>(4)</sup>	N,M	6346.4	-511.8	273.5	25.5	-99.1			
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	36.4	88.2	88.2	G, H, Q, V <sup>(5)</sup>	Q	7271.1	401.2	-164.7	26.0	-138.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7776.4	356.4	-163.9	25.5	-117.7	
		-0.95 m	Cumple	Cumple	36.4	88.2	88.2	G, H, Q, V <sup>(5)</sup>	Q	7271.1	401.2	-164.7	26.0	-138.9	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7776.4	356.4	-163.9	25.5	-117.7	
-3 m	Cumple	Cumple	36.4	88.2	88.2	G, H, Q, V <sup>(5)</sup>	Q	7271.1	401.2	-164.7	26.0	-138.9	Cumple		
						G, H, Q, V <sup>(10)</sup>	N,M	7776.4	356.4	-163.9	25.5	-117.7			
Pie	Cumple	Cumple	36.4	84.4	84.4	G, H, Q, V <sup>(5)</sup>	Q	7308.7	-259.0	139.9	26.0	-138.9	Cumple		
						G, H, Q, V <sup>(10)</sup>	N,M	7813.9	-267.7	139.4	25.5	-117.7			
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.7	84.4	84.4	G, H, Q, V <sup>(5)</sup>	Q	7308.7	-259.0	139.9	26.0	-138.9	Cumple
							G, H, Q, V <sup>(10)</sup>	N,M	7813.9	-267.7	139.4	25.5	-117.7		
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+1.35·HI+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(10)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)															

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	3.8	36.1	25.2	6.2	1.0	60.9	6.2	1.0	60.9	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> MV <sub>z</sub>	31.3	27.2	-9.8	4.9	-13.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> V <sub>z</sub> M <sub>t</sub> MV <sub>y</sub>	31.0	26.1	-10.3	5.3	-13.1	
		Pie	Cumple	Cumple	3.8	33.2	23.2	6.2	1.0	56.3	6.2	1.0	56.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> MV <sub>z</sub>	31.4	25.1	-9.0	4.9	-13.6	Cumple
															G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> V <sub>z</sub> M <sub>t</sub> MV <sub>y</sub>	31.1	24.0	-9.5	5.3	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	3.8	33.2	23.2	6.6	1.0	56.3	6.6	1.0	56.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> MV <sub>z</sub>	31.4	25.1	-9.0	4.9	-14.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> V <sub>z</sub> M <sub>t</sub> MV <sub>y</sub>	31.1	24.0	-9.5	5.5	-13.1	
		Pie	Cumple	Cumple	3.9	20.0	14.2	6.6	1.0	33.7	6.6	1.0	33.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> MV <sub>z</sub>	32.3	-15.1	4.6	4.9	-14.5	Cumple
															G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> V <sub>z</sub> M <sub>t</sub> MV <sub>y</sub>	32.0	-12.4	5.8	5.5	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	50x45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	50x50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	60x60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(-Yexc.+) <sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(+Yexc.-)																					



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.52. P46

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	29.4	48.9	48.9	G, H, Q, V <sup>(2)</sup>	Q	703.3	-55.1	-72.4	33.9	25.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	787.4	-48.4	-84.6	39.5	18.4	
		31.35 m	Cumple	Cumple	29.3	57.6	57.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	804.6	60.8	93.4	39.5	18.4	
		29.2 m	Cumple	Cumple	29.3	57.6	57.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	804.6	60.8	93.4	39.5	18.4	
		Pie	Cumple	Cumple	29.3	57.6	57.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	804.6	60.8	93.4	39.5	18.4	
P. séptima +28.70 (25 - 28.6 m)	45x45	Cabeza	Cumple	Cumple	45.1	72.4	72.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1280.2	-146.8	-123.6	54.0	61.4	Cumple
		27.75 m	Cumple	Cumple	45.1	72.4	72.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1280.2	-146.8	-123.6	54.0	61.4	Cumple
		25.6 m	Cumple	Cumple	45.1	72.4	72.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1280.2	-146.8	-123.6	54.0	61.4	Cumple
		Pie	Cumple	Cumple	45.1	66.8	66.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1302.0	126.9	126.1	54.0	61.4	Cumple
P. sexta +25.10 (21.4 - 25 m)	45x45	Cabeza	Cumple	Cumple	47.9	84.5	84.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1863.4	-188.3	-132.2	43.0	75.3	Cumple
		24.15 m	Cumple	Cumple	47.9	84.5	84.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1863.4	-188.3	-132.2	43.0	75.3	Cumple
		22 m	Cumple	Cumple	47.9	84.5	84.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1863.4	-188.3	-132.2	43.0	75.3	Cumple
		Pie	Cumple	Cumple	47.9	74.8	74.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1885.2	164.2	115.3	43.0	75.3	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	50.1	75.0	75.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2456.8	-247.0	-141.0	51.8	104.6	Cumple
		20.55 m	Cumple	Cumple	50.1	75.0	75.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2456.8	-247.0	-141.0	51.8	104.6	Cumple
		18.4 m	Cumple	Cumple	50.1	75.0	75.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2456.8	-247.0	-141.0	51.8	104.6	Cumple
		Pie	Cumple	Cumple	50.1	73.6	73.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2483.7	222.4	156.7	51.8	104.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	52.5	83.2	83.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	3047.6	-265.0	-142.6	31.7	118.3	Cumple
		16.95 m	Cumple	Cumple	52.5	83.2	83.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	3047.6	-265.0	-142.6	31.7	118.3	Cumple
		14.8 m	Cumple	Cumple	52.5	83.2	83.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	3047.6	-265.0	-142.6	31.7	118.3	Cumple
		Pie	Cumple	Cumple	52.5	79.4	79.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3074.5	263.0	103.9	31.7	118.3	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	62.2	79.6	79.6	G, H, Q, V <sup>(4)</sup>	Q	3593.9	275.3	-95.1	30.1	-129.2	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	3663.8	-273.2	-97.2	35.2	123.6	
								G, H, Q, V <sup>(4)</sup>	Q	3624.3	-290.3	150.3	30.1	-129.2	
								G, H, Q, V <sup>(5)</sup>	N,M	3694.2	275.4	166.1	35.2	123.6	
		13.35 m	Cumple	Cumple	62.2	83.9	83.9	G, H, Q, V <sup>(4)</sup>	Q	3624.3	-290.3	150.3	30.1	-129.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3694.2	275.4	166.1	35.2	123.6	
								G, H, Q, V <sup>(4)</sup>	Q	3624.3	-290.3	150.3	30.1	-129.2	
								G, H, Q, V <sup>(5)</sup>	N,M	3694.2	275.4	166.1	35.2	123.6	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	36.8	97.6	97.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	4218.4	-325.0	-205.3	21.1	75.7	Cumple
		9.75 m	Cumple	Cumple	36.8	97.6	97.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	4218.4	-325.0	-205.3	21.1	75.7	Cumple
		5.85 m	Cumple	Cumple	36.8	97.6	97.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	4218.4	-325.0	-205.3	21.1	75.7	Cumple
		Pie	Cumple	Cumple	36.8	97.2	97.2	G, H, Q, V <sup>(2)</sup>	Q	4265.2	330.6	181.3	21.1	75.7	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60							G, H, Q, V <sup>(6)</sup>	N,M	4183.0	-329.9	197.5	29.6	-69.5	Cumple
		Cabeza	Cumple	Cumple	32.0	78.8	78.8	G, H, Q, V <sup>(5)</sup>	Q	4921.4	-328.1	-218.1	17.4	100.3	
		4.4 m	Cumple	Cumple	32.0	93.9	93.9	G, H, Q, V <sup>(7)</sup>	N,M	5165.9	248.5	-284.3	28.1	-41.4	
		0.5 m	Cumple	Cumple	32.0	93.9	93.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	4981.0	533.2	229.1	17.4	100.3	
Pie	Cumple	Cumple	32.0	93.9	93.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	4981.0	533.2	229.1	17.4	100.3	Cumple		
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	98.4	54.4	98.4	G, H, Q, V <sup>(8)</sup>	Q	3886.2	90.7	-186.6	341.2	-24.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3900.9	120.0	-175.4	322.6	-73.4	
		-3 m	Cumple	Cumple	48.1	20.7	48.1	G, H, Q, V <sup>(5)</sup>	Q	1607.6	-15.5	-32.2	132.1	68.4	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	1715.5	-1.9	-34.3	131.9	10.1	
		Pie	Cumple	Cumple	46.7	19.2	46.7	G, H, Q, V <sup>(5)</sup>	Q	1346.4	12.9	61.7	113.6	64.6	
						G, H, Q, V <sup>(9)</sup>	N,M	1421.3	8.7	66.3	122.5	42.8	Cumple		
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.2	19.2	19.2	G, H, Q, V <sup>(5)</sup>	Q	1346.4	12.9	61.7	113.6	64.6	Cumple
							G, H, Q, V <sup>(9)</sup>	N,M	1421.3	8.7	66.3	122.5	42.8		

Notas:  
(1) La comprobación no procede  
(2) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)   
(3) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)   
(4) 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)   
(5) 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)   
(6) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)   
(7) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)   
(8) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)   
(9) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)   
(10) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)



## 1.53. P47

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Naturaleza	Esfuerzos pésimos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)		Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	93.6	99.4	99.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	872.6	-510.1	-4.2	4.5	245.7	Cumple
		Pie	Cumple	Cumple	93.6	48.3	93.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	903.0	288.4	10.6	4.5	245.7	Cumple
P. séptima +28.70 (25 - 28.6 m)	Diámetro 60	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	19.5	48.0	48.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	903.0	288.4	10.6	4.5	245.7	Cumple
		Cabeza	Cumple	Cumple	29.7	27.9	29.7	G, H, V <sup>(3)</sup>	Q	516.5	-77.6	-13.0	7.3	55.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1646.5	104.6	7.0	-4.5	-53.8	
		27.75 m	Cumple	Cumple	29.7	27.9	29.7	G, H, V <sup>(3)</sup>	Q	516.5	-77.6	-13.0	7.3	55.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1646.5	104.6	7.0	-4.5	-53.8	
		25.6 m	Cumple	Cumple	29.7	27.9	29.7	G, H, V <sup>(3)</sup>	Q	516.5	-77.6	-13.0	7.3	55.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1646.5	104.6	7.0	-4.5	-53.8	
		Pie	Cumple	Cumple	29.3	25.6	29.3	G, H, V <sup>(3)</sup>	Q	539.1	102.3	10.6	7.3	55.3	Cumple
P. sexta +25.10 (21.4 - 25 m)	Diámetro 60	Cabeza	Cumple	Cumple	43.7	31.6	43.7	G, H, V <sup>(3)</sup>	Q	637.9	-145.6	-11.7	7.2	87.1	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1387.1	-170.9	-13.3	8.4	101.6	
		24.15 m	Cumple	Cumple	43.7	31.6	43.7	G, H, V <sup>(3)</sup>	Q	637.9	-145.6	-11.7	7.2	87.1	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1387.1	-170.9	-13.3	8.4	101.6	
		22 m	Cumple	Cumple	43.7	31.6	43.7	G, H, V <sup>(3)</sup>	Q	637.9	-145.6	-11.7	7.2	87.1	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1387.1	-170.9	-13.3	8.4	101.6	
		Pie	Cumple	Cumple	43.2	32.0	43.2	G, H, V <sup>(3)</sup>	Q	660.5	137.3	11.8	7.2	87.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2247.7	-60.0	-6.5	-4.4	-36.3	
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 60	Cabeza	Cumple	Cumple	36.8	46.8	46.8	G, H, V <sup>(3)</sup>	Q	747.9	-131.9	-10.5	5.4	77.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2808.8	152.4	75.2	-7.8	-55.8	
		20.55 m	Cumple	Cumple	36.5	47.9	47.9	G, H, V <sup>(3)</sup>	Q	770.4	119.7	6.9	5.4	77.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2839.2	-159.3	-80.8	-7.8	-55.8	
		18.4 m	Cumple	Cumple	36.5	47.9	47.9	G, H, V <sup>(3)</sup>	Q	770.4	119.7	6.9	5.4	77.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2839.2	-159.3	-80.8	-7.8	-55.8	
		Pie	Cumple	Cumple	36.5	47.9	47.9	G, H, V <sup>(3)</sup>	Q	770.4	119.7	6.9	5.4	77.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2839.2	-159.3	-80.8	-7.8	-55.8	
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	Cabeza	Cumple	Cumple	51.9	54.0	54.0	G, H, V <sup>(3)</sup>	Q	848.7	-158.1	-16.6	15.6	113.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3421.3	153.4	-73.9	9.3	-38.6	
		16.95 m	Cumple	Cumple	51.3	54.9	54.9	G, H, V <sup>(3)</sup>	Q	871.2	209.8	34.0	15.6	113.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3451.8	-142.9	103.8	9.3	-38.6	
		14.8 m	Cumple	Cumple	51.3	54.9	54.9	G, H, V <sup>(3)</sup>	Q	871.2	209.8	34.0	15.6	113.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3451.8	-142.9	103.8	9.3	-38.6	
		Pie	Cumple	Cumple	51.3	54.9	54.9	G, H, V <sup>(3)</sup>	Q	871.2	209.8	34.0	15.6	113.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3451.8	-142.9	103.8	9.3	-38.6	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	54.1	67.6	67.6	G, H, Q, V <sup>(2)</sup>	Q	2459.2	-316.0	-120.5	35.0	139.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4285.5	130.0	-167.8	27.1	-48.2	
		13.35 m	Cumple	Cumple	54.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q	2489.6	255.1	110.0	35.0	139.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4315.9	-191.0	119.8	27.1	-48.2	
		11.2 m	Cumple	Cumple	54.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q	2489.6	255.1	110.0	35.0	139.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4315.9	-191.0	119.8	27.1	-48.2	
		Pie	Cumple	Cumple	54.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q	2489.6	255.1	110.0	35.0	139.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4315.9	-191.0	119.8	27.1	-48.2	
P. segunda +10.70 (5.25 - 10.6 m)	70x70	Cabeza	Cumple	Cumple	25.8	60.3	60.3	G, H, V <sup>(3)</sup>	Q	1221.9	-174.2	-54.1	25.8	76.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4876.5	435.9	-300.2	47.9	-92.0	
		9.75 m	Cumple	Cumple	25.2	61.3	61.3	G, H, V <sup>(3)</sup>	Q	1282.0	207.6	74.6	25.8	76.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4957.7	-419.0	334.3	47.9	-92.0	
		5.85 m	Cumple	Cumple	25.2	61.3	61.3	G, H, V <sup>(3)</sup>	Q	1282.0	207.6	74.6	25.8	76.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4957.7	-419.0	334.3	47.9	-92.0	
		Pie	Cumple	Cumple	25.2	61.3	61.3	G, H, V <sup>(3)</sup>	Q	1282.0	207.6	74.6	25.8	76.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4957.7	-419.0	334.3	47.9	-92.0	
P. primera +5.35 (-0.1 - 5.25 m)	70x70	Cabeza	Cumple	Cumple	16.1	60.0	60.0	G, H, V <sup>(3)</sup>	Q	1524.8	-76.7	-55.7	12.7	54.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5626.6	235.9	-341.7	26.9	-35.8	
		4.4 m	Cumple	Cumple	15.7	61.8	61.8	G, H, V <sup>(3)</sup>	Q	1584.8	195.9	7.8	12.7	54.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5707.7	-365.4	246.3	26.9	-35.8	
		0.5 m	Cumple	Cumple	15.7	61.8	61.8	G, H, V <sup>(3)</sup>	Q	1584.8	195.9	7.8	12.7	54.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5707.7	-365.4	246.3	26.9	-35.8	
		Pie	Cumple	Cumple	15.7	61.8	61.8	G, H, V <sup>(3)</sup>	Q	1584.8	195.9	7.8	12.7	54.5	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5707.7	-365.4	246.3	26.9	-35.8	





# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.9	61.8	61.8	G, H, Q, V <sup>(2)</sup>	Q	3272.5	346.7	154.6	22.5	60.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5707.7	-365.4	246.3	26.9	-35.8	
		Cabeza	Cumple	Cumple	16.1	61.6	61.6	G, H, Q, V <sup>(6)</sup>	Q	5078.9	30.4	143.6	-69.2	-13.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.5	-259.9	188.0	-36.9	28.7	
		-0.95 m	Cumple	Cumple	16.1	61.6	61.6	G, H, Q, V <sup>(6)</sup>	Q	5078.9	30.4	143.6	-69.2	-13.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.5	-259.9	188.0	-36.9	28.7	
		-3 m	Cumple	Cumple	16.1	61.6	61.6	G, H, Q, V <sup>(6)</sup>	Q	5078.9	30.4	143.6	-69.2	-13.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6314.5	-259.9	188.0	-36.9	28.7	
		Pie	Cumple	Cumple	16.1	61.2	61.2	G, H, Q, V <sup>(6)</sup>	Q	5130.0	-11.9	-119.7	-69.2	-13.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6365.7	136.6	-261.5	-36.8	28.7	
Sótano -3.80	70x70	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.0	61.2	61.2	G, H, Q, V <sup>(6)</sup>	Q	5130.0	-11.9	-119.7	-69.2	-13.4	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> PP+CM+HI+1.5·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)															

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>x</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>x</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	70.9	0.1	11.7	77.5	11.7	77.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>x</sub> MV <sub>z</sub>	57.7	53.5	0.0	-0.1	-25.6	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	42.3	-0.1	-0.4	-19.9	
		Pie	Cumple	Cumple	7.0	65.5	0.3	11.7	72.1	11.7	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>x</sub> MV <sub>z</sub>	57.8	49.4	0.0	-0.1	-25.6	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	39.2	-0.1	-0.4	-19.9	
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.1	72.1	12.1	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>x</sub> MV <sub>z</sub>	57.8	49.4	0.0	-0.1	-26.6	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	39.2	-0.1	-0.9	-19.9	
		Pie	Cumple	Cumple	7.1	32.3	6.7	12.1	40.2	12.1	40.2	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>x</sub> MV <sub>z</sub>	58.9	-24.4	-0.4	-0.1	-26.6	Cumple
												G, H, Q, V <sup>(3)</sup>	M <sub>x</sub>	47.7	-16.1	-2.7	-0.9	-19.9	
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)																			

## 1.54. P48

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	94.0	98.5	98.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	964.0	-516.5	-22.9	7.9	246.7	Cumple
		Pie	Cumple	Cumple	94.0	47.2	94.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	994.4	285.2	2.8	7.9	246.7	Cumple
P. séptima +28.70 (25 - 28.6 m)	Diámetro 60	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	19.4	46.9	46.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	994.4	285.2	2.8	7.9	246.7	Cumple
		Cabeza	Cumple	Cumple	25.2	28.5	28.5	G, H, V <sup>(3)</sup>	Q	599.4	-67.3	12.9	-7.3	49.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1714.0	102.3	-12.5	8.8	-51.5	
		27.75 m	Cumple	Cumple	25.2	28.5	28.5	G, H, V <sup>(3)</sup>	Q	599.4	-67.3	12.9	-7.3	49.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1714.0	102.3	-12.5	8.8	-51.5	
		25.6 m	Cumple	Cumple	25.2	28.5	28.5	G, H, V <sup>(3)</sup>	Q	599.4	-67.3	12.9	-7.3	49.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1714.0	102.3	-12.5	8.8	-51.5	
		Pie	Cumple	Cumple	25.0	26.2	26.2	G, H, V <sup>(3)</sup>	Q	621.9	91.8	-10.7	-7.3	49.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1744.4	-65.0	16.2	8.8	-51.5	

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. sexta +25.10 (21.4 - 25 m)	Diámetro 60	Cabeza	Cumple	Cumple	40.1	32.4	40.1	G, H, V <sup>(3)</sup>	Q	742.1	-141.4	5.7	-4.0	84.2	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1525.6	-166.8	3.4	-2.8	98.9	
		24.15 m	Cumple	Cumple	40.1	32.4	40.1	G, H, V <sup>(3)</sup>	Q	742.1	-141.4	5.7	-4.0	84.2	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1525.6	-166.8	3.4	-2.8	98.9	
		22 m	Cumple	Cumple	40.1	32.4	40.1	G, H, V <sup>(3)</sup>	Q	742.1	-141.4	5.7	-4.0	84.2	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1525.6	-166.8	3.4	-2.8	98.9	
		Pie	Cumple	Cumple	39.7	37.1	39.7	G, H, V <sup>(3)</sup>	Q	764.6	132.2	-7.3	-4.0	84.2	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2320.8	-101.2	68.8	8.9	-3.1	
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 60	Cabeza	Cumple	Cumple	31.7	47.4	47.4	G, H, V <sup>(3)</sup>	Q	874.4	-124.0	6.8	-4.0	70.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2836.2	151.4	-83.9	11.7	-57.2	
		20.55 m	Cumple	Cumple	31.4	48.9	48.9	G, H, V <sup>(3)</sup>	Q	897.0	105.5	-6.1	-4.0	70.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2866.6	-165.9	85.4	11.7	-57.2	
		18.4 m	Cumple	Cumple	31.4	48.9	48.9	G, H, V <sup>(3)</sup>	Q	897.0	105.5	-6.1	-4.0	70.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2866.6	-165.9	85.4	11.7	-57.2	
		Pie	Cumple	Cumple	31.4	48.9	48.9	G, H, V <sup>(3)</sup>	Q	897.0	105.5	-6.1	-4.0	70.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2866.6	-165.9	85.4	11.7	-57.2	
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	Cabeza	Cumple	Cumple	55.5	56.1	56.1	G, H, Q, V <sup>(2)</sup>	Q	2081.2	-186.4	6.1	-3.6	147.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3422.8	135.6	-142.0	12.0	-14.9	
		16.95 m	Cumple	Cumple	55.5	58.4	58.4	G, H, Q, V <sup>(2)</sup>	Q	2111.6	293.9	-5.5	-3.6	147.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2600.4	308.5	61.7	-0.2	119.4	
		14.8 m	Cumple	Cumple	55.5	58.4	58.4	G, H, Q, V <sup>(2)</sup>	Q	2111.6	293.9	-5.5	-3.6	147.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2600.4	308.5	61.7	-0.2	119.4	
		Pie	Cumple	Cumple	55.5	58.4	58.4	G, H, Q, V <sup>(2)</sup>	Q	2111.6	293.9	-5.5	-3.6	147.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2600.4	308.5	61.7	-0.2	119.4	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	61.2	69.0	69.0	G, H, Q, V <sup>(7)</sup>	Q	2750.7	-377.9	78.6	-8.7	162.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3334.0	-335.8	82.9	-7.5	129.4	
		13.35 m	Cumple	Cumple	61.2	69.0	69.0	G, H, Q, V <sup>(7)</sup>	Q	2750.7	-377.9	78.6	-8.7	162.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3334.0	-335.8	82.9	-7.5	129.4	
		11.2 m	Cumple	Cumple	61.2	69.0	69.0	G, H, Q, V <sup>(7)</sup>	Q	2750.7	-377.9	78.6	-8.7	162.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3334.0	-335.8	82.9	-7.5	129.4	
		Pie	Cumple	Cumple	61.2	67.9	67.9	G, H, Q, V <sup>(7)</sup>	Q	2781.1	279.6	-78.5	-8.7	162.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4368.2	-178.7	-91.3	-0.7	-25.8	
P. segunda +10.70 (5.25 - 10.6 m)	70x70	Cabeza	Cumple	Cumple	26.1	62.3	62.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	4999.2	501.9	249.3	-25.8	-111.4	Cumple
		9.75 m	Cumple	Cumple	26.1	62.3	62.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	4999.2	501.9	249.3	-25.8	-111.4	Cumple
		5.85 m	Cumple	Cumple	26.1	62.3	62.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	4999.2	501.9	249.3	-25.8	-111.4	Cumple
		Pie	Cumple	Cumple	26.1	61.8	61.8	G, H, Q, V <sup>(4)</sup>	Q	5080.3	-455.2	-279.5	-25.8	-111.4	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	5080.2	-455.2	-279.6	-25.8	-111.4	
		P. primera +5.35 (-0.1 - 5.25 m)	70x70	Cabeza	Cumple	Cumple	17.1	62.3	62.3	G, H, V <sup>(10)</sup>	Q	1687.1	-87.3	43.2	-14.7
G, H, Q, V <sup>(4)</sup>	N,M									5714.9	345.1	291.3	-22.3	-29.5	
4.4 m	Cumple			Cumple	17.1	62.3	62.3	G, H, V <sup>(10)</sup>	Q	1687.1	-87.3	43.2	-14.7	61.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5714.9	345.1	291.3	-22.3	-29.5	
0.5 m	Cumple			Cumple	17.1	62.3	62.3	G, H, V <sup>(10)</sup>	Q	1687.1	-87.3	43.2	-14.7	61.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5714.9	345.1	291.3	-22.3	-29.5	
Pie	Cumple			Cumple	16.8	61.9	61.9	G, H, V <sup>(10)</sup>	Q	1747.2	218.5	-30.6	-14.7	61.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5796.0	-350.7	-244.9	-22.3	-29.5	
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.2	61.9	61.9	G, H, Q, V <sup>(7)</sup>	Q	3489.2	386.7	-189.4	-23.4	69.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5796.0	-350.7	-244.9	-22.3	-29.5	
		Cabeza	Cumple	Cumple	9.9	60.0	60.0	G, H, V <sup>(3)</sup>	Q	1979.0	92.9	2.9	-1.3	-39.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6258.7	-258.2	122.0	-5.1	41.7	
		-3 m	Cumple	Cumple	9.8	60.9	60.9	G, H, V <sup>(3)</sup>	Q	2016.9	-47.1	-1.3	-1.3	-39.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6309.8	150.5	-259.8	-5.1	41.7	
		Pie	Cumple	Cumple	9.8	60.9	60.9	G, H, V <sup>(3)</sup>	Q	2016.9	-47.1	-1.3	-1.3	-39.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6309.8	150.5	-259.8	-5.1	41.7	
Sótano -3.80	70x70	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.3	60.9	60.9	G, H, V <sup>(3)</sup>	Q	2016.9	-47.1	-1.3	-1.3	-39.7	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6309.8	150.5	-259.8	-5.1	41.7	

*Notas:*

<sup>(1)</sup> *La comprobación no procede*

$$^{(2)} 1.35 \cdot PP + 1.35 \cdot CM + H1 + 1.05 \cdot Oq + 1.5 \cdot V (+ Y_{exc} -)$$
<sup>(3)</sup>  $PP+CM+HI+1.5 \cdot V(+Y_{exc} -)$ 
$$^{(4)} 1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Oa + 1.5 \cdot V(-Y_{exc} -)$$
$$^{(5)} 1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.5 \cdot Qa + 0.9 \cdot V(-V_{exc} -)$$

(6)  $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.5 \cdot Qa + 0.9 \cdot V (+Y_{exc.})$

$$^{(7)} 1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (+ Y_{exc.})$$

(8) 1.35 PP + 1.35 CM + 1.35 HI + 1.5 Qa + 0.0 V (+ Yexc)

(9)  $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (+ Y_{exc.})$

<sup>(10)</sup>  $DB + CM + 1.35 \cdot HI + 1.5 \cdot V(\cdot + V_{\text{ano}})$



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Tramo	Sección	Posición	Sección de acero laminado									Esfuerzos pésimos							Estado	
			Comprobaciones									Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>x</sub> (%)	MV <sub>x</sub> (%)	Aprov. (%)									
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	70.9	0.1	11.6	77.4	11.6	77.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>x</sub> V <sub>z</sub> NM <sub>x</sub> M <sub>x</sub> MV <sub>x</sub>	57.7	53.5	0.0	-0.1	-25.5	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	42.3	-0.1	-0.4	-19.8		
		Pie	Cumple	Cumple	7.0	65.5	0.3	11.6	72.1	11.6	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>x</sub> V <sub>z</sub> NM <sub>x</sub> M <sub>x</sub> MV <sub>x</sub>	57.7	49.4	0.0	-0.1	-25.5	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	39.1	-0.1	-0.4	-19.8		
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	7.0	65.5	0.3	12.1	72.1	12.1	72.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>x</sub> V <sub>z</sub> NM <sub>x</sub> M <sub>x</sub> MV <sub>x</sub>	57.7	49.4	0.0	-0.1	-26.5	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	46.5	39.1	-0.1	-0.9	-19.8		
		Pie	Cumple	Cumple	7.1	31.9	6.3	12.1	39.4	12.1	39.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>x</sub> V <sub>z</sub> NM <sub>x</sub> M <sub>x</sub> MV <sub>x</sub>	58.9	-24.1	-0.3	-0.1	-26.5	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub>	47.6	-15.8	-2.6	-0.9	-19.8		
P. cubierta +32.30 (28.6 - 32.2 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. séptima +28.70 (25 - 28.6 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. sexta +25.10 (21.4 - 25 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. quinta +21.50 (17.8 - 21.4 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. segunda +10.70 (5.25 - 10.6 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. primera +5.35 (-0.1 - 5.25 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sótano -3.80	70x70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc-) <sup>(2)</sup> 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(-Yexc-)																				

## 1.55. P49

Sección de hormigón																
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)		
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	36.3	53.5	53.5	G, H, Q, V <sup>(2)</sup>	Q	585.5	40.0	56.0	-36.2	-30.8	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	639.8	54.3	85.1	-41.4	-26.2							
		31.35 m	Cumple	Cumple	35.8	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q	602.7	-60.1	-61.6	-36.2	-30.8	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	657.1	-71.1	-89.8	-41.4	-26.2							
		29.2 m	Cumple	Cumple	35.8	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q	602.7	-60.1	-61.6	-36.2	-30.8	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	657.1	-71.1	-89.8	-41.4	-26.2							
		Pie	Cumple	Cumple	35.8	63.7	63.7	G, H, Q, V <sup>(2)</sup>	Q	602.7	-60.1	-61.6	-36.2	-30.8	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	657.1	-71.1	-89.8	-41.4	-26.2							
P. séptima +28.70 (25 - 28.6 m)	Diámetro 50	Cabeza	Cumple	Cumple	43.1	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1071.7	119.9	96.3	-42.4	-54.3	Cumple	
		27.65 m	Cumple	Cumple	43.1	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1071.7	119.9	96.3	-42.4	-54.3	Cumple	
		25.6 m	Cumple	Cumple	43.1	59.1	59.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1071.7	119.9	96.3	-42.4	-54.3	Cumple	
		Pie	Cumple	Cumple	43.1	53.0	53.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	1092.2	-105.5	-91.6	-42.4	-54.3	Cumple	
P. sexta +25.10 (21.4 - 25 m)	50x50	Cabeza	Cumple	Cumple	37.2	51.8	51.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1569.4	137.7	138.2	-61.8	-60.8	Cumple	
		24.05 m	Cumple	Cumple	37.2	51.8	51.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1569.4	137.7	138.2	-61.8	-60.8	Cumple	
		22 m	Cumple	Cumple	37.2	51.8	51.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1569.4	137.7	138.2	-61.8	-60.8	Cumple	
		Pie	Cumple	Cumple	37.2	51.2	51.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1595.4	-134.5	-137.3	-61.8	-60.8	Cumple	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	27.9	54.6	54.6	G, H, Q, V <sup>(2)</sup>	Q	2073.3	140.7	125.6	-37.5	-53.2	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	2156.8	127.0	133.0	-40.7	-43.0							
		20.45 m	Cumple	Cumple	27.9	54.6	54.6	G, H, Q, V <sup>(2)</sup>	Q	2073.3	140.7	125.6	-37.5	-53.2	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	2156.8	127.0	133.0	-40.7	-43.0							
		18.4 m	Cumple	Cumple	27.9	54.6	54.6	G, H, Q, V <sup>(2)</sup>	Q	2073.3	140.7	125.6	-37.5	-53.2	Cumple	
			G, H, Q, V <sup>(3)</sup>	N,M	2156.8	127.0	133.0	-40.7	-43.0							
		Pie	Cumple	Cumple	27.9	51.2	51.2	G, H, Q, V <sup>(2)</sup>	Q	2099.4	-133.3	-98.9	-37.5	-53.2	Cumple	
			G, H, Q, V <sup>(4)</sup>	N,M	2182.8	-119.3	-105.8	-40.7	-43.0							
P. cuarta +17.90 (14.2 - 17.8 m)	Diámetro 60	Cabeza	Cumple	Cumple	35.3	53.7	53.7	G, H, Q, V <sup>(2)</sup>	Q	2584.0	157.7	91.3	-24.8	-71.2	Cumple	
								G, H, Q, V <sup>(3)</sup>	N,M	2675.9	143.4	97.1	-27.5	-61.2		
		16.85 m	Cumple	Cumple	35.3	57.3	57.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2613.5	-183.2	-105.2	-24.8	-71.2	Cumple	
		14.8 m	Cumple	Cumple	35.3	57.3	57.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2613.5	-183.2	-105.2	-24.8	-71.2	Cumple	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Pie	Cumple	Cumple	35.3	57.3	57.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2613.5	-183.2	-105.2	-24.8	-71.2	Cumple	
		Cabeza	Cumple	Cumple	38.9	65.9	65.9	G, H, Q, V <sup>(5)</sup>	Q	3089.0	167.2	161.0	-65.2	-55.8	Cumple	
								G, H, Q, V <sup>(4)</sup>	N,M	3187.6	149.3	168.4	-69.1	-39.4		
		13.35 m	Cumple	Cumple	38.9	67.1	67.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	3119.4	-150.2	-189.1	-65.2	-55.8	Cumple	
		11.2 m	Cumple	Cumple	38.9	67.1	67.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	3119.4	-150.2	-189.1	-65.2	-55.8	Cumple	
	Pie	Cumple	Cumple	38.9	67.1	67.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	3119.4	-150.2	-189.1	-65.2	-55.8	Cumple		



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	29.4	85.6	85.6	G, H, Q, V <sup>(6)</sup>	Q	3387.3	-236.2	227.8	-37.7	51.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3813.1	-193.0	260.0	-48.9	30.3	
		9.75 m	Cumple	Cumple	29.4	89.6	89.6	G, H, Q, V <sup>(6)</sup>	Q	3434.1	287.3	-230.4	-37.7	51.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3705.0	271.6	-241.8	-40.7	44.9	
		5.85 m	Cumple	Cumple	29.4	89.6	89.6	G, H, Q, V <sup>(6)</sup>	Q	3434.1	287.3	-230.4	-37.7	51.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3705.0	271.6	-241.8	-40.7	44.9	
		Pie	Cumple	Cumple	29.4	89.6	89.6	G, H, Q, V <sup>(6)</sup>	Q	3434.1	287.3	-230.4	-37.7	51.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3705.0	271.6	-241.8	-40.7	44.9	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	31.8	86.5	86.5	G, H, Q, V <sup>(9)</sup>	Q	4391.8	-391.5	325.0	-56.8	83.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4711.3	-381.1	341.8	-61.4	72.8	
		4.4 m	Cumple	Cumple	31.8	86.5	86.5	G, H, Q, V <sup>(9)</sup>	Q	4391.8	-391.5	325.0	-56.8	83.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4711.3	-381.1	341.8	-61.4	72.8	
		0.5 m	Cumple	Cumple	31.8	86.5	86.5	G, H, Q, V <sup>(9)</sup>	Q	4391.8	-391.5	325.0	-56.8	83.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4711.3	-381.1	341.8	-61.4	72.8	
		Pie	Cumple	Cumple	31.8	83.0	83.0	G, H, Q, V <sup>(9)</sup>	Q	4451.3	377.4	-308.8	-56.8	83.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4770.9	339.5	-322.1	-61.4	72.8	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.2	83.0	83.0	G, H, Q, V <sup>(9)</sup>	Q	4451.3	377.4	-308.8	-56.8	83.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	4770.9	339.5	-322.1	-61.4	72.8	
		Cabeza	Cumple	Cumple	36.1	51.8	51.8	G, H, Q, V <sup>(11)</sup>	Q	3374.2	14.8	138.9	-112.5	-23.7	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	3572.7	87.6	207.2	-91.4	-18.2	
		-1.07 m	Cumple	Cumple	36.1	51.8	51.8	G, H, Q, V <sup>(11)</sup>	Q	3374.2	14.8	138.9	-112.5	-23.7	Cumple
								G, H, Q, V <sup>(12)</sup>	N,M	3572.7	87.6	207.2	-91.4	-18.2	
		-3 m	Cumple	Cumple	50.4	18.7	50.4	G, H, Q, V <sup>(9)</sup>	Q	1388.0	-27.8	-3.5	-94.3	108.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1545.8	10.0	-30.9	-106.5	-43.8	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.2	19.5	19.5	G, H, Q, V <sup>(9)</sup>	Q	1190.1	20.5	-80.7	-78.7	101.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1319.6	-10.0	-90.9	-90.6	-44.9	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.-) <sup>(3)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-) <sup>(4)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(-Yexc.-) <sup>(5)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(-Yexc.-) <sup>(6)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(+Yexc.-) <sup>(7)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-) <sup>(8)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(+Yexc.-) <sup>(9)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(+Yexc.-) <sup>(10)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(+Yexc.-) <sup>(11)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(+Yexc.-) <sup>(12)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(+Yexc.-)															

## 1.56. P50

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	23.0	29.3	29.3	G, H, Q, V <sup>(2)</sup>	Q	643.0	45.4	-13.3	7.9	-33.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	875.5	66.8	-17.6	10.1	-29.0	
		31.35 m	Cumple	Cumple	22.7	35.3	35.3	G, H, Q, V <sup>(2)</sup>	Q	658.9	-61.9	12.5	7.9	-33.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	812.0	-90.6	14.4	9.1	-34.3	
		29.2 m	Cumple	Cumple	22.7	35.3	35.3	G, H, Q, V <sup>(2)</sup>	Q	658.9	-61.9	12.5	7.9	-33.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	812.0	-90.6	14.4	9.1	-34.3	
		Pie	Cumple	Cumple	22.7	35.3	35.3	G, H, Q, V <sup>(2)</sup>	Q	658.9	-61.9	12.5	7.9	-33.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	812.0	-90.6	14.4	9.1	-34.3	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	32.1	48.1	48.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1412.0	142.7	-44.1	5.6	-63.6	Cumple
		27.65 m	Cumple	Cumple	32.1	48.1	48.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1412.0	142.7	-44.1	5.6	-63.6	Cumple
		25.6 m	Cumple	Cumple	32.1	48.1	48.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1412.0	142.7	-44.1	5.6	-63.6	Cumple
		Pie	Cumple	Cumple	32.1	47.1	47.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1435.5	-135.6	46.1	5.6	-63.6	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	27.7	57.2	57.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2037.7	144.6	-59.5	4.9	-54.9	Cumple
		24.05 m	Cumple	Cumple	27.7	57.2	57.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2037.7	144.6	-59.5	4.9	-54.9	Cumple
		22 m	Cumple	Cumple	27.7	57.2	57.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2037.7	144.6	-59.5	4.9	-54.9	Cumple
		Pie	Cumple	Cumple	27.7	57.0	57.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	2061.1	-140.6	60.6	4.9	-54.9	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	26.8	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q	2666.3	168.3	-71.7	5.0	-62.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2803.3	149.8	-73.8	5.2	-49.5	
		20.45 m	Cumple	Cumple	26.8	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q	2666.3	168.3	-71.7	5.0	-62.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2803.3	149.8	-73.8	5.2	-49.5	
		18.4 m	Cumple	Cumple	26.8	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q	2666.3	168.3	-71.7	5.0	-62.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2803.3	149.8	-73.8	5.2	-49.5	
		Pie	Cumple	Cumple	26.8	59.5	59.5	G, H, Q, V <sup>(4)</sup>	Q	2692.4	-156.8	72.7	5.0	-62.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2829.4	-138.2	74.6	5.2	-49.5	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	32.8	70.8	70.8	G, H, Q, V <sup>(4)</sup>	Q	3295.9	174.3	-71.8	0.8	-76.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3357.1	124.4	137.8	-13.7	-44.8	
		16.85 m	Cumple	Cumple	32.8	74.4	74.4	G, H, Q, V <sup>(4)</sup>	Q	3322.0	-207.2	71.4	0.8	-76.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3474.8	-192.8	72.7	1.2	-66.2	
		14.8 m	Cumple	Cumple	32.8	74.4	74.4	G, H, Q, V <sup>(4)</sup>	Q	3322.0	-207.2	71.4	0.8	-76.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3474.8	-192.8	72.7	1.2	-66.2	
		Pie	Cumple	Cumple	32.8	74.4	74.4	G, H, Q, V <sup>(4)</sup>	Q	3322.0	-207.2	71.4	0.8	-76.4	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3474.8	-192.8	72.7	1.2	-66.2	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	36.5	77.1	77.1	G, H, V <sup>(7)</sup>	Q	2956.5	-125.5	-70.4	6.0	77.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4078.1	148.6	-158.3	6.1	-11.1	
		13.35 m	Cumple	Cumple	36.5	77.8	77.8	G, H, V <sup>(7)</sup>	Q	2987.0	260.9	84.1	6.0	77.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3875.8	232.4	96.2	7.6	52.3	
		11.2 m	Cumple	Cumple	36.5	77.8	77.8	G, H, V <sup>(7)</sup>	Q	2987.0	260.9	84.1	6.0	77.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3875.8	232.4	96.2	7.6	52.3	
		Pie	Cumple	Cumple	36.5	77.8	77.8	G, H, V <sup>(7)</sup>	Q	2987.0	260.9	84.1	6.0	77.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3875.8	232.4	96.2	7.6	52.3	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	15.7	88.9	88.9	G, H, Q, V <sup>(4)</sup>	Q	4826.6	176.0	-245.5	4.1	-39.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5033.4	162.4	-249.2	4.6	-35.5	
		9.75 m	Cumple	Cumple	15.7	93.8	93.8	G, H, Q, V <sup>(4)</sup>	Q	4873.4	-316.4	153.5	4.1	-39.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5080.2	-310.0	153.7	4.6	-35.5	
		5.85 m	Cumple	Cumple	15.7	93.8	93.8	G, H, Q, V <sup>(4)</sup>	Q	4873.4	-316.4	153.5	4.1	-39.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5080.2	-310.0	153.7	4.6	-35.5	
		Pie	Cumple	Cumple	15.7	93.8	93.8	G, H, Q, V <sup>(4)</sup>	Q	4873.4	-316.4	153.5	4.1	-39.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5080.2	-310.0	153.7	4.6	-35.5	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.2	94.4	94.4	G, H, Q, V <sup>(4)</sup>	Q	5329.7	333.4	161.9	-0.4	-54.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5559.3	341.4	161.9	-0.6	-52.9	
		4.4 m	Cumple	Cumple	20.2	94.4	94.4	G, H, Q, V <sup>(4)</sup>	Q	5329.7	333.4	161.9	-0.4	-54.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5559.3	341.4	161.9	-0.6	-52.9	
		0.5 m	Cumple	Cumple	20.2	94.4	94.4	G, H, Q, V <sup>(4)</sup>	Q	5329.7	333.4	161.9	-0.4	-54.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5559.3	341.4	161.9	-0.6	-52.9	
		Pie	Cumple	Cumple	20.2	89.5	89.5	G, H, Q, V <sup>(4)</sup>	Q	5376.5	-264.6	159.9	-0.4	-54.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5606.1	-268.5	159.2	-0.5	-52.8	
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	Cabeza	Cumple	Cumple	59.0	73.5	73.5	G, H, Q, V <sup>(9)</sup>	Q	6770.8	-475.9	-122.7	3.1	246.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6990.5	-483.3	-121.3	1.8	241.9	
		-1.07 m	Cumple	Cumple	59.0	73.5	73.5	G, H, Q, V <sup>(9)</sup>	Q	6770.8	-475.9	-122.7	3.1	246.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6990.5	-483.3	-121.3	1.8	241.9	
		-3 m	Cumple	Cumple	59.0	73.5	73.5	G, H, Q, V <sup>(9)</sup>	Q	6770.8	-475.9	-122.7	3.1	246.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	6990.5	-483.3	-121.3	1.8	241.9	
		Pie	Cumple	Cumple	59.0	67.1	67.1	G, H, Q, V <sup>(9)</sup>	Q	6819.0	269.4	119.8	3.1	246.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	7038.7	249.5	119.2	1.8	241.9	
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.0	67.1	67.1	G, H, Q, V <sup>(5)</sup>	Q,N,M	7038.7	249.5	119.2	1.8	241.9	Cumple

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> PP+CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·V(+Yexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.57. P51

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	22.5	26.9	26.9	G, H, Q, V <sup>(2)</sup>	Q	591.1	43.8	-8.0	4.9	-31.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	804.7	63.0	-9.2	5.5	-27.6	
		31.35 m	Cumple	Cumple	22.3	32.8	32.8	G, H, Q, V <sup>(2)</sup>	Q	607.1	-58.9	8.1	4.9	-31.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.1	-85.3	9.6	6.1	-32.8	
		29.2 m	Cumple	Cumple	22.3	32.8	32.8	G, H, Q, V <sup>(2)</sup>	Q	607.1	-58.9	8.1	4.9	-31.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.1	-85.3	9.6	6.1	-32.8	
		Pie	Cumple	Cumple	22.3	32.8	32.8	G, H, Q, V <sup>(2)</sup>	Q	607.1	-58.9	8.1	4.9	-31.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.1	-85.3	9.6	6.1	-32.8	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	30.6	43.6	43.6	G, H, Q, V <sup>(4)</sup>	Q	1343.1	136.3	-5.6	4.3	-60.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1438.5	120.2	-41.9	3.8	-49.3	
		27.65 m	Cumple	Cumple	30.6	44.7	44.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1366.6	-128.9	42.8	4.3	-60.7	Cumple
		25.6 m	Cumple	Cumple	30.6	44.7	44.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1366.6	-128.9	42.8	4.3	-60.7	Cumple
		Pie	Cumple	Cumple	30.6	44.7	44.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1366.6	-128.9	42.8	4.3	-60.7	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	27.0	55.3	55.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1960.1	140.4	-57.9	5.4	-53.6	Cumple
		24.05 m	Cumple	Cumple	27.0	55.3	55.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1960.1	140.4	-57.9	5.4	-53.6	Cumple
		22 m	Cumple	Cumple	27.0	55.3	55.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1960.1	140.4	-57.9	5.4	-53.6	Cumple
		Pie	Cumple	Cumple	27.0	55.1	55.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	1983.6	-136.1	59.8	5.4	-53.6	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	25.9	58.4	58.4	G, H, Q, V <sup>(4)</sup>	Q	2578.0	164.7	-70.7	4.3	-60.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2706.6	146.0	-73.2	4.6	-47.5	
		20.45 m	Cumple	Cumple	25.9	58.4	58.4	G, H, Q, V <sup>(4)</sup>	Q	2578.0	164.7	-70.7	4.3	-60.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2706.6	146.0	-73.2	4.6	-47.5	
		18.4 m	Cumple	Cumple	25.9	58.4	58.4	G, H, Q, V <sup>(4)</sup>	Q	2578.0	164.7	-70.7	4.3	-60.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2706.6	146.0	-73.2	4.6	-47.5	
		Pie	Cumple	Cumple	25.9	57.4	57.4	G, H, Q, V <sup>(4)</sup>	Q	2604.0	-151.6	69.1	4.3	-60.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2732.7	-133.3	71.1	4.6	-47.5	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	32.6	68.9	68.9	G, H, Q, V <sup>(4)</sup>	Q	3206.2	172.2	-74.0	5.7	-75.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3350.4	155.4	-76.2	6.5	-65.0	
		16.85 m	Cumple	Cumple	32.6	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3232.3	-206.4	83.3	5.7	-75.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3376.5	-191.0	85.7	6.5	-65.0	
		14.8 m	Cumple	Cumple	32.6	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3232.3	-206.4	83.3	5.7	-75.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3376.5	-191.0	85.7	6.5	-65.0	
		Pie	Cumple	Cumple	32.6	73.4	73.4	G, H, Q, V <sup>(4)</sup>	Q	3232.3	-206.4	83.3	5.7	-75.9	Cumple
G, H, Q, V <sup>(3)</sup>	N,M							3376.5	-191.0	85.7	6.5	-65.0			
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	35.3	75.4	75.4	G, H, V <sup>(5)</sup>	Q	2875.3	-122.9	-76.6	4.6	74.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3959.9	150.0	-155.3	5.1	-11.3	
		13.35 m	Cumple	Cumple	35.3	75.4	75.4	G, H, V <sup>(5)</sup>	Q	2875.3	-122.9	-76.6	4.6	74.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3959.9	150.0	-155.3	5.1	-11.3	
		11.2 m	Cumple	Cumple	35.3	75.4	75.4	G, H, V <sup>(5)</sup>	Q	2875.3	-122.9	-76.6	4.6	74.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3959.9	150.0	-155.3	5.1	-11.3	
		Pie	Cumple	Cumple	35.3	75.0	75.0	G, H, V <sup>(5)</sup>	Q	2905.7	254.0	71.6	4.6	74.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3759.1	225.2	80.2	5.7	49.6	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.1	93.4	93.4	G, H, Q, V <sup>(4)</sup>	Q	4773.7	-233.8	-138.9	-0.3	-21.2	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4964.3	-236.2	-137.3	-0.3	-17.0	
		9.75 m	Cumple	Cumple	10.1	94.3	94.3	G, H, Q, V <sup>(4)</sup>	Q	4820.5	-248.3	-140.1	-0.3	-21.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5011.1	-238.4	-138.3	-0.3	-17.0	
		5.85 m	Cumple	Cumple	10.1	94.3	94.3	G, H, Q, V <sup>(4)</sup>	Q	4820.5	-248.3	-140.1	-0.3	-21.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5011.1	-238.4	-138.3	-0.3	-17.0	
		Pie	Cumple	Cumple	10.1	94.3	94.3	G, H, Q, V <sup>(4)</sup>	Q	4820.5	-248.3	-140.1	-0.3	-21.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5011.1	-238.4	-138.3	-0.3	-17.0	
P. primera +5.35 (0.3 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.3	97.5	97.5	G, H, Q, V <sup>(8)</sup>	Q	5079.4	246.6	-124.1	2.0	-40.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5275.5	245.4	-122.0	1.9	-34.5	
		4.4 m	Cumple	Cumple	19.3	97.5	97.5	G, H, Q, V <sup>(8)</sup>	Q	5079.4	246.6	-124.1	2.0	-40.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5275.5	245.4	-122.0	1.9	-34.5	
		0.9 m	Cumple	Cumple	19.3	97.5	97.5	G, H, Q, V <sup>(8)</sup>	Q	5079.4	246.6	-124.1	2.0	-40.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	5275.5	245.4	-122.0	1.9	-34.5	
		Pie	Cumple	Cumple	19.3	96.9	96.9	G, H, Q, V <sup>(8)</sup>	Q	5122.4	-224.8	130.3	2.0	-40.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5318.6	-226.7	128.0	1.9	-34.5	
P. Baja +0.00 (-3.6 - 0.3 m)	60x80	Cabeza	Cumple	Cumple	89.0	81.1	89.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	6957.2	-709.5	-137.1	10.4	371.3	Cumple
		-1.07 m	Cumple	Cumple	89.0	71.6	89.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	7005.4	415.5	129.3	10.4	371.3	Cumple
		-3 m	Cumple	Cumple	89.0	71.6	89.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	7005.4	415.5	129.3	10.4	371.3	Cumple
		Pie	Cumple	Cumple	89.0	71.6	89.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	7005.4	415.5	129.3	10.4	371.3	Cumple





# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.1	71.6	71.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	7005.4	415.5	129.3	10.4	371.3	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35 \cdot H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(3)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(4)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(5)</sup> $1.35 \cdot PP+1.35 \cdot CM+H1+1.5 \cdot V(+Yexc.-)$ <sup>(6)</sup> $1.35 \cdot PP+1.35 \cdot CM+H1+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$ <sup>(7)</sup> $1.35 \cdot PP+1.35 \cdot CM+H1+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(8)</sup> $1.35 \cdot PP+1.35 \cdot CM+H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$															

## 1.58. P52

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. cubierta +32.30 (28.6 - 32.85 m)	50x40	Cabeza	Cumple	Cumple	63.8	60.7	63.8	G, H, Q, V <sup>(2)</sup>	Q	810.4	36.8	152.2	-104.7	-9.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	847.5	64.4	150.7	-103.1	-27.4	
		31.35 m	Cumple	Cumple	62.9	80.6	80.6	G, H, Q, V <sup>(2)</sup>	Q	831.9	-45.5	-188.1	-104.7	-9.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	940.5	-74.5	-195.0	-108.7	-24.3	
		29.2 m	Cumple	Cumple	62.9	80.6	80.6	G, H, Q, V <sup>(2)</sup>	Q	831.9	-45.5	-188.1	-104.7	-9.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	940.5	-74.5	-195.0	-108.7	-24.3	
		Pie	Cumple	Cumple	62.9	80.6	80.6	G, H, Q, V <sup>(2)</sup>	Q	831.9	-45.5	-188.1	-104.7	-9.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	940.5	-74.5	-195.0	-108.7	-24.3	
P. séptima +28.70 (25 - 28.6 m)	50x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.0	80.6	80.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	940.5	-74.5	-195.0	-108.7	-24.3	Cumple
		Cabeza	Cumple	Cumple	42.4	59.4	59.4	G, H, Q, V <sup>(2)</sup>	Q	1522.8	64.6	165.1	-82.6	-13.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1593.0	122.3	138.8	-66.9	-47.5	
		25.6 m	Cumple	Cumple	42.4	61.0	61.0	G, H, Q, V <sup>(2)</sup>	Q	1546.2	-63.0	-173.6	-82.6	-13.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1716.8	-101.6	-165.5	-72.5	-36.2	
		Pie	Cumple	Cumple	42.4	61.0	61.0	G, H, Q, V <sup>(2)</sup>	Q	1546.2	-63.0	-173.6	-82.6	-13.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1716.8	-101.6	-165.5	-72.5	-36.2	
		P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	55.2	77.6	77.6	G, H, Q, V <sup>(2)</sup>	Q	2248.6	80.2	226.9	-108.4
G, H, Q, V <sup>(4)</sup>	N,M									2479.0	117.6	205.7	-94.9	-33.7	
24.05 m	Cumple			Cumple	55.2	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q	2272.0	-79.9	-226.2	-108.4	-12.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2502.5	-114.0	-210.7	-94.9	-33.7	
22 m	Cumple			Cumple	55.2	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q	2272.0	-79.9	-226.2	-108.4	-12.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2502.5	-114.0	-210.7	-94.9	-33.7	
Pie	Cumple			Cumple	55.2	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q	2272.0	-79.9	-226.2	-108.4	-12.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2502.5	-114.0	-210.7	-94.9	-33.7	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	44.7	78.6	78.6	G, H, Q, V <sup>(2)</sup>	Q	2999.3	86.4	248.2	-104.0	-8.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3289.9	130.3	216.7	-82.3	-33.9	
		20.45 m	Cumple	Cumple	44.7	78.6	78.6	G, H, Q, V <sup>(2)</sup>	Q	2999.3	86.4	248.2	-104.0	-8.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3289.9	130.3	216.7	-82.3	-33.9	
		18.4 m	Cumple	Cumple	44.7	78.6	78.6	G, H, Q, V <sup>(2)</sup>	Q	2999.3	86.4	248.2	-104.0	-8.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3289.9	130.3	216.7	-82.3	-33.9	
		Pie	Cumple	Cumple	44.7	73.8	73.8	G, H, Q, V <sup>(2)</sup>	Q	3025.3	-75.2	-215.4	-104.0	-8.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3316.0	-117.0	-183.3	-82.3	-33.9	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	68.5	80.3	80.3	G, H, Q, V <sup>(2)</sup>	Q	3748.7	118.1	309.0	-181.5	-40.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4090.9	158.6	276.4	-165.8	-64.4	
		16.85 m	Cumple	Cumple	68.5	96.9	96.9	G, H, Q, V <sup>(2)</sup>	Q	3774.7	-166.7	-421.1	-181.5	-40.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4116.9	-207.8	-409.7	-165.8	-64.4	
		14.8 m	Cumple	Cumple	68.5	96.9	96.9	G, H, Q, V <sup>(2)</sup>	Q	3774.7	-166.7	-421.1	-181.5	-40.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4116.9	-207.8	-409.7	-165.8	-64.4	
		Pie	Cumple	Cumple	68.5	96.9	96.9	G, H, Q, V <sup>(2)</sup>	Q	3774.7	-166.7	-421.1	-181.5	-40.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4116.9	-207.8	-409.7	-165.8	-64.4	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	68.3	98.5	98.5	G, H, Q, V <sup>(2)</sup>	Q	4838.5	147.9	512.1	-201.4	4.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5272.6	195.1	493.6	-179.8	-28.2	
		13.2 m	Cumple	Cumple	68.3	98.5	98.5	G, H, Q, V <sup>(2)</sup>	Q	4838.5	147.9	512.1	-201.4	4.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5272.6	195.1	493.6	-179.8	-28.2	
		11.2 m	Cumple	Cumple	68.3	98.5	98.5	G, H, Q, V <sup>(2)</sup>	Q	4838.5	147.9	512.1	-201.4	4.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	5272.6	195.1	493.6	-179.8	-28.2	
		Pie	Cumple	Cumple	68.3	79.6	79.6	G, H, Q, V <sup>(2)</sup>	Q	4867.5	162.3	-279.0	-201.4	4.6	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5175.3	163.5	-267.0	-198.5	2.3	





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	12.7	91.8	91.8	G, H, Q, V <sup>(3)</sup>	Q	5921.0	174.3	-283.1	19.6	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6175.7	-166.2	-286.9	20.6	-26.7	
		9.75 m	Cumple	Cumple	12.7	93.9	93.9	G, H, Q, V <sup>(3)</sup>	Q	5967.8	-308.7	188.6	19.6	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6222.5	-299.5	188.6	20.6	-26.7	
		5.85 m	Cumple	Cumple	12.7	93.9	93.9	G, H, Q, V <sup>(3)</sup>	Q	5967.8	-308.7	188.6	19.6	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6222.5	-299.5	188.6	20.6	-26.7	
		Pie	Cumple	Cumple	12.7	93.9	93.9	G, H, Q, V <sup>(3)</sup>	Q	5967.8	-308.7	188.6	19.6	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6222.5	-299.5	188.6	20.6	-26.7	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	16.7	98.7	98.7	G, H, Q, V <sup>(6)</sup>	Q	6307.5	312.7	184.8	-6.5	-47.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6577.2	317.5	183.6	-7.0	-45.0	
		4.4 m	Cumple	Cumple	16.7	98.7	98.7	G, H, Q, V <sup>(6)</sup>	Q	6307.5	312.7	184.8	-6.5	-47.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6577.2	317.5	183.6	-7.0	-45.0	
		0.5 m	Cumple	Cumple	16.7	98.7	98.7	G, H, Q, V <sup>(6)</sup>	Q	6307.5	312.7	184.8	-6.5	-47.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6577.2	317.5	183.6	-7.0	-45.0	
		Pie	Cumple	Cumple	16.7	97.2	97.2	G, H, Q, V <sup>(6)</sup>	Q	6354.3	-288.5	-172.5	-6.5	-47.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6624.0	-291.4	-171.1	-7.0	-45.0	
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	Cabeza	Cumple	Cumple	55.7	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	7924.8	-464.2	132.7	-6.9	232.4	Cumple
		-1.07 m	Cumple	Cumple	55.7	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	7924.8	-464.2	132.7	-6.9	232.4	Cumple
		-3 m	Cumple	Cumple	55.7	80.7	80.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	7924.8	-464.2	132.7	-6.9	232.4	Cumple
		Pie	Cumple	Cumple	55.7	74.7	74.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	7973.0	239.9	-127.5	-6.9	232.4	Cumple
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.4	74.7	74.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	7973.0	239.9	-127.5	-6.9	232.4	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.-)															
<sup>(3)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.-)															
<sup>(4)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-)															
<sup>(5)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-)															
<sup>(6)</sup> 1.35-PP+1.35-CM+HI+1.05-Oa+1.5-V(-Yexc.-)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.59. P53

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	91.8	94.6	94.6	G, H, Q, V <sup>(2)</sup>	Q	1564.1	200.4	-426.5	234.6	-54.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1631.7	208.5	-431.8	233.0	-56.4	
		13.2 m	Cumple	Cumple	91.8	94.6	94.6	G, H, Q, V <sup>(2)</sup>	Q	1564.1	200.4	-426.5	234.6	-54.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1631.7	208.5	-431.8	233.0	-56.4	
		11.2 m	Cumple	Cumple	91.8	94.6	94.6	G, H, Q, V <sup>(2)</sup>	Q	1564.1	200.4	-426.5	234.6	-54.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1631.7	208.5	-431.8	233.0	-56.4	
		Pie	Cumple	Cumple	91.8	55.3	91.8	G, H, Q, V <sup>(2)</sup>	Q	1593.1	33.2	300.6	234.6	-54.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1593.1	33.2	300.6	234.6	-54.0	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	9.2	58.3	58.3	G, H, V <sup>(5)</sup>	Q	1975.2	-219.4	133.4	-11.7	20.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2464.0	-225.9	173.9	-16.5	8.2	
		9.75 m	Cumple	Cumple	9.2	58.3	58.3	G, H, V <sup>(5)</sup>	Q	1975.2	-219.4	133.4	-11.7	20.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2464.0	-225.9	173.9	-16.5	8.2	
		5.85 m	Cumple	Cumple	9.2	58.3	58.3	G, H, V <sup>(5)</sup>	Q	1975.2	-219.4	133.4	-11.7	20.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2464.0	-225.9	173.9	-16.5	8.2	
		Pie	Cumple	Cumple	9.2	58.0	58.0	G, H, V <sup>(5)</sup>	Q	2022.0	-131.1	-105.8	-11.7	20.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2589.9	-235.1	-138.3	-16.1	-8.9	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	21.1	69.4	69.4	G, H, Q, V <sup>(8)</sup>	Q	2819.3	295.6	-142.6	6.7	-52.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2931.8	305.8	-146.5	7.1	-49.9	
		4.4 m	Cumple	Cumple	21.1	69.4	69.4	G, H, Q, V <sup>(8)</sup>	Q	2819.3	295.6	-142.6	6.7	-52.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2931.8	305.8	-146.5	7.1	-49.9	
		0.5 m	Cumple	Cumple	21.1	69.4	69.4	G, H, Q, V <sup>(8)</sup>	Q	2819.3	295.6	-142.6	6.7	-52.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2931.8	305.8	-146.5	7.1	-49.9	
		Pie	Cumple	Cumple	21.1	59.3	59.3	G, H, Q, V <sup>(8)</sup>	Q,N,M	2866.1	-216.2	140.4	6.7	-52.9	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	Cabeza	Cumple	Cumple	66.7	55.2	66.7	G, H, Q, V <sup>(9)</sup>	Q,N,M	4502.1	-554.7	-12.3	6.1	278.2	Cumple
		-1.07 m	Cumple	Cumple	66.7	47.4	66.7	G, H, Q, V <sup>(9)</sup>	Q,N,M	4550.3	288.3	103.0	6.1	278.2	Cumple
		-3 m	Cumple	Cumple	66.7	47.4	66.7	G, H, Q, V <sup>(9)</sup>	Q,N,M	4550.3	288.3	103.0	6.1	278.2	Cumple
		Pie	Cumple	Cumple	66.7	47.4	66.7	G, H, Q, V <sup>(9)</sup>	Q,N,M	4550.3	288.3	103.0	6.1	278.2	Cumple
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.2	47.4	47.4	G, H, Q, V <sup>(9)</sup>	Q,N,M	4550.3	288.3	103.0	6.1	278.2	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.5·V(+Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Xexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Xexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Xexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·V(+Xexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Xexc. +)

<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Xexc.-)

<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.-)



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.60. P54

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	92.3	96.0	96.0	G, H, Q, V <sup>(2)</sup>	Q	1603.9	200.3	435.7	-235.8	-54.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1674.6	207.8	441.8	-234.4	-56.9	
		13.2 m	Cumple	Cumple	92.3	96.0	96.0	G, H, Q, V <sup>(2)</sup>	Q	1603.9	200.3	435.7	-235.8	-54.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1674.6	207.8	441.8	-234.4	-56.9	
		11.2 m	Cumple	Cumple	92.3	96.0	96.0	G, H, Q, V <sup>(2)</sup>	Q	1603.9	200.3	435.7	-235.8	-54.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1674.6	207.8	441.8	-234.4	-56.9	
Pie	Cumple	Cumple	92.3	54.5	92.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1632.9	30.9	-295.2	-235.8	-54.6	Cumple		
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	11.6	61.0	61.0	G, H, Q, V <sup>(4)</sup>	Q	2294.0	-247.1	-174.9	19.1	22.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2459.3	-240.3	-188.4	20.6	15.6	
		9.75 m	Cumple	Cumple	11.6	61.0	61.0	G, H, Q, V <sup>(4)</sup>	Q	2294.0	-247.1	-174.9	19.1	22.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2459.3	-240.3	-188.4	20.6	15.6	
		5.85 m	Cumple	Cumple	11.6	61.0	61.0	G, H, Q, V <sup>(4)</sup>	Q	2294.0	-247.1	-174.9	19.1	22.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2459.3	-240.3	-188.4	20.6	15.6	
		Pie	Cumple	Cumple	11.6	57.0	57.0	G, H, Q, V <sup>(4)</sup>	Q	2340.8	-151.8	130.2	19.1	22.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2605.3	-219.7	143.8	21.1	-4.4	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	13.8	64.1	64.1	G, H, Q, V <sup>(7)</sup>	Q	2758.5	252.9	144.8	-6.2	-34.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2865.3	262.1	149.2	-6.8	-30.7	
		4.4 m	Cumple	Cumple	13.8	64.1	64.1	G, H, Q, V <sup>(7)</sup>	Q	2758.5	252.9	144.8	-6.2	-34.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2865.3	262.1	149.2	-6.8	-30.7	
		0.5 m	Cumple	Cumple	13.8	64.1	64.1	G, H, Q, V <sup>(7)</sup>	Q	2758.5	252.9	144.8	-6.2	-34.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	2865.3	262.1	149.2	-6.8	-30.7	
		Pie	Cumple	Cumple	13.8	57.8	57.8	G, H, Q, V <sup>(7)</sup>	Q	2805.3	-178.9	-132.6	-6.2	-34.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	2791.4	176.4	-179.3	-7.3	-16.3	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	62.0	78.2	78.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4433.3	-468.9	87.3	-2.1	197.3	Cumple
		-1.07 m	Cumple	Cumple	62.0	78.2	78.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4433.3	-468.9	87.3	-2.1	197.3	Cumple
		-3 m	Cumple	Cumple	62.0	78.2	78.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4433.3	-468.9	87.3	-2.1	197.3	Cumple
		Pie	Cumple	Cumple	62.0	66.4	66.4	G, H, Q, V <sup>(6)</sup>	Q,N,M	4469.4	296.3	-86.3	-2.1	197.3	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.1	66.4	66.4	G, H, Q, V <sup>(6)</sup>	Q,N,M	4469.4	296.3	-86.3	-2.1	197.3	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															

## 1.61. P55

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. cubierta +32.30 (28.6 - 32.85 m)	50x40	Cabeza	Cumple	Cumple	59.2	66.3	66.3	G, H, Q, V <sup>(2)</sup>	Q	867.6	80.5	-150.3	94.7	-36.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	943.3	81.6	-155.9	98.4	-35.7	Cumple
		31.35 m	Cumple	Cumple	58.6	73.8	73.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	964.8	-93.6	164.0	98.4	-35.7	Cumple
		29.2 m	Cumple	Cumple	58.6	73.8	73.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	964.8	-93.6	164.0	98.4	-35.7	Cumple
		Pie	Cumple	Cumple	58.6	73.8	73.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	964.8	-93.6	164.0	98.4	-35.7	Cumple
P. séptima +28.70 (25 - 28.6 m)	50x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.4	73.8	73.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	964.8	-93.6	164.0	98.4	-35.7	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	1657.4	119.1	-75.5	26.2	-40.5	Cumple
		Cabeza	Cumple	Cumple	24.3	49.5	49.5	G, H, Q, V <sup>(3)</sup>	N,M	1763.2	107.0	-81.6	28.3	-32.8	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	1681.7	-108.6	99.4	26.2	-40.5	Cumple
		25.6 m	Cumple	Cumple	24.3	51.8	51.8	G, H, Q, V <sup>(3)</sup>	N,M	1787.4	-101.6	105.5	28.3	-32.8	Cumple
								G, H, Q, V <sup>(2)</sup>	Q	1681.7	-108.6	99.4	26.2	-40.5	Cumple
		Pie	Cumple	Cumple	24.3	51.8	51.8	G, H, Q, V <sup>(3)</sup>	N,M	1787.4	-101.6	105.5	28.3	-32.8	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. sexta +25.10 (21.4 - 25 m)	50x50	Cabeza	Cumple	Cumple	33.2	64.7	64.7	G, H, Q, V <sup>(2)</sup>	Q	2455.6	151.7	-156.2	58.0	-51.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2590.0	139.1	-164.6	62.0	-42.9	
		24.15 m	Cumple	Cumple	33.2	65.1	65.1	G, H, Q, V <sup>(2)</sup>	Q	2482.5	-143.8	161.8	58.0	-51.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2616.9	-133.5	170.0	62.0	-42.9	
		22 m	Cumple	Cumple	33.2	65.1	65.1	G, H, Q, V <sup>(2)</sup>	Q	2482.5	-143.8	161.8	58.0	-51.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2616.9	-133.5	170.0	62.0	-42.9	
		Pie	Cumple	Cumple	33.2	65.1	65.1	G, H, Q, V <sup>(2)</sup>	Q	2482.5	-143.8	161.8	58.0	-51.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2616.9	-133.5	170.0	62.0	-42.9	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	23.1	73.9	73.9	G, H, Q, V <sup>(2)</sup>	Q	3274.0	151.1	-142.7	31.8	-43.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3436.5	136.6	-149.4	34.6	-34.5	
		20.55 m	Cumple	Cumple	23.1	73.9	73.9	G, H, Q, V <sup>(2)</sup>	Q	3274.0	151.1	-142.7	31.8	-43.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3436.5	136.6	-149.4	34.6	-34.5	
		18.4 m	Cumple	Cumple	23.1	73.9	73.9	G, H, Q, V <sup>(2)</sup>	Q	3274.0	151.1	-142.7	31.8	-43.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3436.5	136.6	-149.4	34.6	-34.5	
		Pie	Cumple	Cumple	23.1	71.9	71.9	G, H, Q, V <sup>(2)</sup>	Q	3300.9	-139.8	107.9	31.8	-43.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3463.4	-144.1	112.4	34.6	-34.5	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	56.7	79.9	79.9	G, H, Q, V <sup>(4)</sup>	Q	4200.3	138.1	-251.0	153.6	-45.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4277.5	170.0	-231.7	143.2	-64.5	
		16.95 m	Cumple	Cumple	56.7	99.0	99.0	G, H, Q, V <sup>(4)</sup>	Q	4227.2	-181.5	420.5	153.6	-45.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4304.4	-212.5	406.7	143.2	-64.5	
		14.8 m	Cumple	Cumple	56.7	99.0	99.0	G, H, Q, V <sup>(4)</sup>	Q	4227.2	-181.5	420.5	153.6	-45.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4304.4	-212.5	406.7	143.2	-64.5	
		Pie	Cumple	Cumple	56.7	99.0	99.0	G, H, Q, V <sup>(4)</sup>	Q	4227.2	-181.5	420.5	153.6	-45.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	4304.4	-212.5	406.7	143.2	-64.5	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	64.5	99.0	99.0	G, H, Q, V <sup>(5)</sup>	Q	5098.4	148.1	-526.8	194.5	8.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5504.4	201.3	-511.3	174.4	-27.3	
		13.2 m	Cumple	Cumple	64.5	99.0	99.0	G, H, Q, V <sup>(5)</sup>	Q	5098.4	148.1	-526.8	194.5	8.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5504.4	201.3	-511.3	174.4	-27.3	
		11.2 m	Cumple	Cumple	64.5	99.0	99.0	G, H, Q, V <sup>(5)</sup>	Q	5098.4	148.1	-526.8	194.5	8.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5504.4	201.3	-511.3	174.4	-27.3	
		Pie	Cumple	Cumple	64.5	78.7	78.7	G, H, Q, V <sup>(5)</sup>	Q	5127.4	173.8	247.3	194.5	8.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5520.9	198.0	196.3	170.2	-26.2	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	12.2	96.4	96.4	G, H, Q, V <sup>(7)</sup>	Q	6132.8	-290.2	266.1	-26.8	-25.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6397.3	-294.2	270.4	-28.2	-18.5	
		9.75 m	Cumple	Cumple	12.2	96.4	96.4	G, H, Q, V <sup>(7)</sup>	Q	6132.8	-290.2	266.1	-26.8	-25.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6397.3	-294.2	270.4	-28.2	-18.5	
		5.85 m	Cumple	Cumple	12.2	96.4	96.4	G, H, Q, V <sup>(7)</sup>	Q	6132.8	-290.2	266.1	-26.8	-25.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	6397.3	-294.2	270.4	-28.2	-18.5	
		Pie	Cumple	Cumple	12.2	93.8	93.8	G, H, Q, V <sup>(7)</sup>	Q	6179.6	-296.9	-202.7	-26.8	-25.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6444.1	-294.8	-202.9	-28.2	-18.5	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	9.6	99.8	99.8	G, H, Q, V <sup>(7)</sup>	Q	6438.1	271.2	-294.8	11.0	-26.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6707.9	271.9	-298.0	11.5	-21.9	
		4.4 m	Cumple	Cumple	9.6	99.8	99.8	G, H, Q, V <sup>(7)</sup>	Q	6438.1	271.2	-294.8	11.0	-26.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6707.9	271.9	-298.0	11.5	-21.9	
		0.5 m	Cumple	Cumple	9.6	99.8	99.8	G, H, Q, V <sup>(7)</sup>	Q	6438.1	271.2	-294.8	11.0	-26.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6707.9	271.9	-298.0	11.5	-21.9	
		Pie	Cumple	Cumple	9.6	97.0	97.0	G, H, Q, V <sup>(7)</sup>	Q	6485.0	-295.4	189.5	11.0	-26.9	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6754.7	-298.4	188.0	11.5	-21.9	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	50.6	99.9	99.9	G, H, Q, V <sup>(6)</sup>	Q	8285.3	-482.3	-117.9	8.0	194.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8298.0	-482.2	-118.4	8.3	194.7	
		-1.07 m	Cumple	Cumple	50.6	99.9	99.9	G, H, Q, V <sup>(6)</sup>	Q	8285.3	-482.3	-117.9	8.0	194.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8298.0	-482.2	-118.4	8.3	194.7	
		-3 m	Cumple	Cumple	50.6	99.9	99.9	G, H, Q, V <sup>(6)</sup>	Q	8285.3	-482.3	-117.9	8.0	194.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8298.0	-482.2	-118.4	8.3	194.7	
		Pie	Cumple	Cumple	50.6	92.7	92.7	G, H, Q, V <sup>(6)</sup>	Q	8321.4	312.0	110.4	8.0	194.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	8334.1	311.6	110.6	8.3	194.7	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	14.0	92.7	92.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	8334.1	311.6	110.6	8.3	194.7	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.-) <sup>(3)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-) <sup>(4)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(+Yexc.-) <sup>(5)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(+Yexc.-) <sup>(6)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.-) <sup>(7)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(-Yexc.-) <sup>(8)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(-Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.62. P56

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	21.9	27.4	27.4	G, H, Q, V <sup>(2)</sup>	Q	590.4	42.1	0.8	-1.7	-31.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	806.1	66.3	1.5	-2.5	-31.1	Cumple
		31.35 m	Cumple	Cumple	21.7	33.6	33.6	G, H, Q, V <sup>(2)</sup>	Q	606.4	-58.9	-4.5	-1.7	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.7	-88.7	-6.1	-2.3	-33.8	Cumple
		29.2 m	Cumple	Cumple	21.7	33.6	33.6	G, H, Q, V <sup>(2)</sup>	Q	606.4	-58.9	-4.5	-1.7	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.7	-88.7	-6.1	-2.3	-33.8	Cumple
		Pie	Cumple	Cumple	21.7	33.6	33.6	G, H, Q, V <sup>(2)</sup>	Q	606.4	-58.9	-4.5	-1.7	-31.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	749.7	-88.7	-6.1	-2.3	-33.8	Cumple
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	33.2	50.8	50.8	G, H, Q, V <sup>(4)</sup>	Q	1316.7	151.5	49.0	-8.0	-65.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1315.5	151.0	53.2	-10.2	-64.9	Cumple
		27.75 m	Cumple	Cumple	33.2	50.8	50.8	G, H, Q, V <sup>(4)</sup>	Q	1316.7	151.5	49.0	-8.0	-65.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1315.5	151.0	53.2	-10.2	-64.9	Cumple
		25.6 m	Cumple	Cumple	33.2	50.8	50.8	G, H, Q, V <sup>(4)</sup>	Q	1316.7	151.5	49.0	-8.0	-65.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1315.5	151.0	53.2	-10.2	-64.9	Cumple
		Pie	Cumple	Cumple	33.2	47.0	47.0	G, H, Q, V <sup>(4)</sup>	Q	1340.9	-138.4	-48.2	-8.0	-65.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1438.3	-131.7	-52.3	-8.8	-58.9	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	30.9	59.2	59.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	1910.1	158.1	71.2	-11.8	-60.2	Cumple
		24.15 m	Cumple	Cumple	30.9	59.2	59.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	1910.1	158.1	71.2	-11.8	-60.2	Cumple
		22 m	Cumple	Cumple	30.9	59.2	59.2	G, H, Q, V <sup>(5)</sup>	Q,N,M	1910.1	158.1	71.2	-11.8	-60.2	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	1934.3	-148.2	-70.2	-11.8	-60.2	Cumple
		Pie	Cumple	Cumple	30.9	57.7	57.7	G, H, Q, V <sup>(6)</sup>	N,M	2049.9	-140.5	-72.0	-10.6	-52.5	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	30.3	61.6	61.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	2509.1	186.9	87.5	-12.7	-69.6	Cumple
		20.55 m	Cumple	Cumple	30.3	61.6	61.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	2509.1	186.9	87.5	-12.7	-69.6	Cumple
		18.4 m	Cumple	Cumple	30.3	61.6	61.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	2509.1	186.9	87.5	-12.7	-69.6	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	2536.0	-170.2	-84.8	-12.7	-69.6	Cumple
		Pie	Cumple	Cumple	30.3	59.7	59.7	G, H, Q, V <sup>(6)</sup>	N,M	2667.1	-157.4	-84.5	-11.3	-59.6	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	35.3	70.9	70.9	G, H, Q, V <sup>(5)</sup>	Q	3116.7	195.5	95.2	-14.0	-81.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3261.6	178.0	93.4	-12.1	-69.7	Cumple
		16.95 m	Cumple	Cumple	35.3	73.3	73.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3143.6	-212.9	-95.1	-14.0	-81.1	Cumple
		14.8 m	Cumple	Cumple	35.3	73.3	73.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3143.6	-212.9	-95.1	-14.0	-81.1	Cumple
		Pie	Cumple	Cumple	35.3	73.3	73.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3143.6	-212.9	-95.1	-14.0	-81.1	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	43.9	73.8	73.8	G, H, V <sup>(7)</sup>	Q	2847.0	-148.8	-69.2	9.1	92.9	Cumple
								G, H, V <sup>(8)</sup>	N,M	3880.4	144.5	153.3	-2.1	-3.0	Cumple
		13.35 m	Cumple	Cumple	43.9	79.1	79.1	G, H, V <sup>(7)</sup>	Q	2877.4	283.5	92.9	9.1	92.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3401.6	293.9	100.2	9.2	91.3	Cumple
		11.2 m	Cumple	Cumple	43.9	79.1	79.1	G, H, V <sup>(7)</sup>	Q	2877.4	283.5	92.9	9.1	92.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3401.6	293.9	100.2	9.2	91.3	Cumple
		Pie	Cumple	Cumple	43.9	79.1	79.1	G, H, V <sup>(7)</sup>	Q	2877.4	283.5	92.9	9.1	92.9	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	3401.6	293.9	100.2	9.2	91.3	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	18.9	85.6	85.6	G, H, Q, V <sup>(5)</sup>	Q	4623.1	180.3	-241.3	5.3	-47.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4809.2	158.5	-245.2	5.2	-40.3	Cumple
		9.75 m	Cumple	Cumple	18.9	93.4	93.4	G, H, Q, V <sup>(5)</sup>	Q	4669.9	-352.6	153.0	5.3	-47.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4856.0	-338.9	153.5	5.2	-40.3	Cumple
		5.85 m	Cumple	Cumple	18.9	93.4	93.4	G, H, Q, V <sup>(5)</sup>	Q	4669.9	-352.6	153.0	5.3	-47.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4856.0	-338.9	153.5	5.2	-40.3	Cumple
		Pie	Cumple	Cumple	18.9	93.4	93.4	G, H, Q, V <sup>(5)</sup>	Q	4669.9	-352.6	153.0	5.3	-47.5	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4856.0	-338.9	153.5	5.2	-40.3	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.7	93.1	93.1	G, H, Q, V <sup>(10)</sup>	Q	5147.9	347.4	163.8	-0.5	-56.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5349.7	355.2	164.2	-0.8	-52.3	Cumple
		4.4 m	Cumple	Cumple	20.7	93.1	93.1	G, H, Q, V <sup>(10)</sup>	Q	5147.9	347.4	163.8	-0.5	-56.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5349.7	355.2	164.2	-0.8	-52.3	Cumple
		0.5 m	Cumple	Cumple	20.7	93.1	93.1	G, H, Q, V <sup>(10)</sup>	Q	5147.9	347.4	163.8	-0.5	-56.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5349.7	355.2	164.2	-0.8	-52.3	Cumple
		Pie	Cumple	Cumple	20.7	86.9	86.9	G, H, Q, V <sup>(10)</sup>	Q	5194.7	-261.1	161.5	-0.5	-56.3	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5396.5	-265.0	160.0	-0.8	-52.3	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	50.5	93.9	93.9	G, H, Q, V <sup>(6)</sup>	Q,N,M	6710.0	-426.3	-94.4	0.5	170.6	Cumple
		-1.07 m	Cumple	Cumple	50.5	93.9	93.9	G, H, Q, V <sup>(6)</sup>	Q,N,M	6710.0	-426.3	-94.4	0.5	170.6	Cumple
		-3 m	Cumple	Cumple	50.5	93.9	93.9	G, H, Q, V <sup>(6)</sup>	Q,N,M	6710.0	-426.3	-94.4	0.5	170.6	Cumple
		Pie	Cumple	Cumple	50.5	86.2	86.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	6746.1	277.0	93.4	0.5	170.6	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	10.9	86.2	86.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	6746.1	277.0	93.4	0.5	170.6	Cumple



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	
Notas:														
(1) La comprobación no procede														
(2) $PP+CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$														
(3) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$														
(4) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$														
(5) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$														
(6) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$														
(7) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.+)$														
(8) $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$														
(9) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$														
(10) $1.35 \cdot PP+1.35 \cdot CM+HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$														

## 1.63. P57

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	22.7	30.7	30.7	G, H, Q, V <sup>(2)</sup>	Q	612.7	49.4	-4.7	2.7	-32.7	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	835.0	77.1	-5.0	2.7	-33.7						
		31.35 m	Cumple	Cumple	22.4	33.2	33.2	G, H, Q, V <sup>(2)</sup>	Q	628.6	-56.7	4.1	2.7	-32.7	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	777.4	-87.1	4.5	3.0	-35.8						
		29.2 m	Cumple	Cumple	22.4	33.2	33.2	G, H, Q, V <sup>(2)</sup>	Q	628.6	-56.7	4.1	2.7	-32.7	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	777.4	-87.1	4.5	3.0	-35.8						
		Pie	Cumple	Cumple	22.4	33.2	33.2	G, H, Q, V <sup>(2)</sup>	Q	628.6	-56.7	4.1	2.7	-32.7	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	777.4	-87.1	4.5	3.0	-35.8						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	26.8	44.9	44.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1349.7	132.1	39.8	-1.2	-53.3	Cumple
		27.75 m	Cumple	Cumple	26.8	44.9	44.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1349.7	132.1	39.8	-1.2	-53.3	Cumple
		25.6 m	Cumple	Cumple	26.8	44.9	44.9	G, H, Q, V <sup>(5)</sup>	Q,N,M	1349.7	132.1	39.8	-1.2	-53.3	Cumple
		Pie	Cumple	Cumple	26.8	42.8	42.8	G, H, Q, V <sup>(5)</sup>	Q	1373.9	-119.5	-37.3	-1.2	-53.3	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	1474.2	-114.6	40.7	0.3	-46.7						
		P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	27.1	56.6	56.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.5	149.9	57.0	-2.2
24.15 m	Cumple			Cumple	27.1	56.6	56.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.5	149.9	57.0	-2.2	-53.9	Cumple
22 m	Cumple			Cumple	27.1	56.6	56.6	G, H, Q, V <sup>(5)</sup>	Q,N,M	1951.5	149.9	57.0	-2.2	-53.9	Cumple
Pie	Cumple			Cumple	27.1	55.6	55.6	G, H, Q, V <sup>(5)</sup>	Q	1975.7	-138.2	-55.5	-2.2	-53.9	Cumple
	G, H, Q, V <sup>(6)</sup>			N,M	2095.7	-130.6	-57.2	-0.9	-45.9						
P. quinta +21.50 (17.8 - 21.4 m)	50x50			Cabeza	Cumple	Cumple	25.8	59.3	59.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	2558.7	173.4	71.1	-2.5
		20.55 m	Cumple	Cumple	25.8	59.3	59.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	2558.7	173.4	71.1	-2.5	-60.1	Cumple
		18.4 m	Cumple	Cumple	25.8	59.3	59.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	2558.7	173.4	71.1	-2.5	-60.1	Cumple
		Pie	Cumple	Cumple	25.8	58.0	58.0	G, H, Q, V <sup>(5)</sup>	Q	2585.6	-154.1	-69.5	-2.5	-60.1	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	2722.8	-141.7	-69.4	-1.1	-50.1						
		P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	32.9	69.9	69.9	G, H, Q, V <sup>(5)</sup>	Q	3173.0	186.5	79.7	-3.7
16.95 m	Cumple			Cumple	32.9	72.4	72.4	G, H, Q, V <sup>(6)</sup>	N,M	3325.8	167.7	77.8	-1.6	-64.5	Cumple
	G, H, Q, V <sup>(5)</sup>			Q	3199.9	-208.6	-78.1	-3.7	-76.7						
14.8 m	Cumple			Cumple	32.9	72.4	72.4	G, H, Q, V <sup>(6)</sup>	N,M	3352.7	-189.8	-75.4	-1.6	-64.5	Cumple
	G, H, Q, V <sup>(5)</sup>			Q	3199.9	-208.6	-78.1	-3.7	-76.7						
Pie	Cumple			Cumple	32.9	72.4	72.4	G, H, Q, V <sup>(5)</sup>	Q	3199.9	-208.6	-78.1	-3.7	-76.7	Cumple
	G, H, Q, V <sup>(6)</sup>			N,M	3352.7	-189.8	-75.4	-1.6	-64.5						
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60			Cabeza	Cumple	Cumple	42.6	75.7	75.7	G, H, V <sup>(7)</sup>	Q	2901.8	-150.3	66.7	-0.7
		13.35 m	Cumple	Cumple	42.6	77.6	77.6	G, H, Q, V <sup>(8)</sup>	N,M	3957.9	153.9	155.3	-8.3	-12.7	Cumple
			G, H, V <sup>(7)</sup>	Q	2932.2	275.3	-69.5	-0.7	90.4						
		11.2 m	Cumple	Cumple	42.6	77.6	77.6	G, H, Q, V <sup>(9)</sup>	N,M	3476.7	281.5	-75.1	-0.8	86.9	Cumple
			G, H, V <sup>(7)</sup>	Q	2932.2	275.3	-69.5	-0.7	90.4						
		Pie	Cumple	Cumple	42.6	77.6	77.6	G, H, Q, V <sup>(9)</sup>	N,M	3476.7	281.5	-75.1	-0.8	86.9	Cumple
			G, H, V <sup>(7)</sup>	Q	2932.2	275.3	-69.5	-0.7	90.4						
		P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.3	87.5	87.5	G, H, Q, V <sup>(5)</sup>	Q	4725.1	192.8	243.5	-0.8
9.75 m	Cumple			Cumple	19.3	93.7	93.7	G, H, Q, V <sup>(6)</sup>	N,M	4914.8	167.7	247.1	-1.2	-40.1	Cumple
	G, H, Q, V <sup>(5)</sup>			Q	4771.9	-346.1	-151.0	-0.8	-48.6						
5.85 m	Cumple			Cumple	19.3	93.7	93.7	G, H, Q, V <sup>(6)</sup>	N,M	4961.6	-328.1	-150.6	-1.2	-40.1	Cumple
	G, H, Q, V <sup>(5)</sup>			Q	4771.9	-346.1	-151.0	-0.8	-48.6						
Pie	Cumple			Cumple	19.3	93.7	93.7	G, H, Q, V <sup>(5)</sup>	Q	4771.9	-346.1	-151.0	-0.8	-48.6	Cumple
	G, H, Q, V <sup>(6)</sup>			N,M	4961.6	-328.1	-150.6	-1.2	-40.1						



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	16.7	90.8	90.8	G, H, Q, V <sup>(10)</sup>	Q	5183.9	314.5	-161.2	1.5	-45.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5384.2	320.3	-161.0	1.3	-40.1	
		4.4 m	Cumple	Cumple	16.7	90.8	90.8	G, H, Q, V <sup>(10)</sup>	Q	5183.9	314.5	-161.2	1.5	-45.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5384.2	320.3	-161.0	1.3	-40.1	
		0.5 m	Cumple	Cumple	16.7	90.8	90.8	G, H, Q, V <sup>(10)</sup>	Q	5183.9	314.5	-161.2	1.5	-45.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5384.2	320.3	-161.0	1.3	-40.1	
		Pie	Cumple	Cumple	16.7	87.4	87.4	G, H, Q, V <sup>(10)</sup>	Q	5230.7	-261.8	162.9	1.5	-45.3	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	5431.0	-265.6	161.9	1.3	-40.1	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	58.0	98.4	98.4	G, H, Q, V <sup>(6)</sup>	Q,N,M	6888.2	-475.3	103.6	-5.7	196.0	Cumple
		-1.07 m	Cumple	Cumple	58.0	98.4	98.4	G, H, Q, V <sup>(6)</sup>	Q,N,M	6888.2	-475.3	103.6	-5.7	196.0	Cumple
		-3 m	Cumple	Cumple	58.0	98.4	98.4	G, H, Q, V <sup>(6)</sup>	Q,N,M	6888.2	-475.3	103.6	-5.7	196.0	Cumple
		Pie	Cumple	Cumple	58.0	89.5	89.5	G, H, Q, V <sup>(6)</sup>	Q,N,M	6924.3	304.2	-99.2	-5.7	196.0	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	13.4	89.5	89.5	G, H, Q, V <sup>(6)</sup>	Q,N,M	6924.3	304.2	-99.2	-5.7	196.0	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(3)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(4)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(5)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$ <sup>(6)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$ <sup>(7)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.+)$ <sup>(8)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.-)$ <sup>(9)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$ <sup>(10)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$ <sup>(11)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$															





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.64. P58

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	22.8	30.9	30.9	G, H, Q, V <sup>(2)</sup>	Q	610.3	50.0	-2.9	1.7	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	832.7	77.8	-4.3	2.4	-34.1	
		31.35 m	Cumple	Cumple	22.5	33.1	33.1	G, H, Q, V <sup>(2)</sup>	Q	626.3	-56.7	2.7	1.7	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	854.2	-85.5	3.6	2.4	-34.1	
		29.2 m	Cumple	Cumple	22.5	33.1	33.1	G, H, Q, V <sup>(2)</sup>	Q	626.3	-56.7	2.7	1.7	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	854.2	-85.5	3.6	2.4	-34.1	
		Pie	Cumple	Cumple	22.5	33.1	33.1	G, H, Q, V <sup>(2)</sup>	Q	626.3	-56.7	2.7	1.7	-32.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	854.2	-85.5	3.6	2.4	-34.1	
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	27.7	45.7	45.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1350.9	136.3	38.8	-0.6	-55.2	Cumple
		27.75 m	Cumple	Cumple	27.7	45.7	45.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1350.9	136.3	38.8	-0.6	-55.2	Cumple
		25.6 m	Cumple	Cumple	27.7	45.7	45.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1350.9	136.3	38.8	-0.6	-55.2	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	1375.1	-121.5	37.5	-0.6	-55.2	Cumple
		Pie	Cumple	Cumple	27.7	43.1	43.1	G, H, Q, V <sup>(4)</sup>	Q	1375.1	-121.5	37.5	-0.6	-55.2	
								G, H, Q, V <sup>(3)</sup>	N,M	1476.2	-116.5	40.2	-0.3	-48.7	
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	28.4	57.6	57.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1957.2	155.3	56.3	-1.7	-56.6	Cumple
		24.15 m	Cumple	Cumple	28.4	57.6	57.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1957.2	155.3	56.3	-1.7	-56.6	Cumple
		22 m	Cumple	Cumple	28.4	57.6	57.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	1957.2	155.3	56.3	-1.7	-56.6	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	1981.4	-141.8	-54.9	-1.7	-56.6	Cumple
		Pie	Cumple	Cumple	28.4	56.1	56.1	G, H, Q, V <sup>(4)</sup>	Q	1981.4	-141.8	-54.9	-1.7	-56.6	
								G, H, Q, V <sup>(3)</sup>	N,M	2101.4	-133.4	-56.6	-0.5	-47.8	
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	27.1	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2569.6	179.7	70.5	-2.0	-63.3	Cumple
		20.55 m	Cumple	Cumple	27.1	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2569.6	179.7	70.5	-2.0	-63.3	Cumple
		18.4 m	Cumple	Cumple	27.1	60.2	60.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2569.6	179.7	70.5	-2.0	-63.3	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	2596.5	-158.4	-68.7	-2.0	-63.3	Cumple
		Pie	Cumple	Cumple	27.1	58.4	58.4	G, H, Q, V <sup>(4)</sup>	Q	2596.5	-158.4	-68.7	-2.0	-63.3	
								G, H, Q, V <sup>(3)</sup>	N,M	2732.8	-145.2	-68.5	-0.6	-52.4	
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	34.6	70.6	70.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	3189.9	193.8	79.1	-3.4	-80.7	Cumple
		16.95 m	Cumple	Cumple	34.6	73.3	73.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3216.8	-214.6	-77.9	-3.4	-80.7	Cumple
		14.8 m	Cumple	Cumple	34.6	73.3	73.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3216.8	-214.6	-77.9	-3.4	-80.7	Cumple
								G, H, Q, V <sup>(4)</sup>	Q,N,M	3216.8	-214.6	-77.9	-3.4	-80.7	Cumple
		Pie	Cumple	Cumple	34.6	73.3	73.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3216.8	-214.6	-77.9	-3.4	-80.7	
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	43.4	74.4	74.4	G, H, V <sup>(5)</sup>	Q	2897.8	-154.3	-72.7	5.8	92.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3826.2	207.6	84.9	-8.6	-51.1	
		13.35 m	Cumple	Cumple	43.4	77.8	77.8	G, H, V <sup>(5)</sup>	Q	2928.3	276.4	79.9	5.8	92.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3475.1	280.8	84.7	5.4	87.7	
		11.2 m	Cumple	Cumple	43.4	77.8	77.8	G, H, V <sup>(5)</sup>	Q	2928.3	276.4	79.9	5.8	92.0	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3475.1	280.8	84.7	5.4	87.7	
								G, H, V <sup>(5)</sup>	Q	2928.3	276.4	79.9	5.8	92.0	Cumple
		Pie	Cumple	Cumple	43.4	77.8	77.8	G, H, V <sup>(5)</sup>	Q	2928.3	276.4	79.9	5.8	92.0	
								G, H, Q, V <sup>(7)</sup>	N,M	3475.1	280.8	84.7	5.4	87.7	
								G, H, Q, V <sup>(7)</sup>	N,M	3475.1	280.8	84.7	5.4	87.7	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	14.6	87.8	87.8	G, H, Q, V <sup>(4)</sup>	Q	4818.7	178.3	-245.3	1.4	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5004.5	148.3	-248.7	1.0	-25.8	
		9.75 m	Cumple	Cumple	14.6	90.6	90.6	G, H, Q, V <sup>(4)</sup>	Q	4865.5	-300.7	149.3	1.4	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5051.3	-275.9	149.2	1.0	-25.8	
		5.85 m	Cumple	Cumple	14.6	90.6	90.6	G, H, Q, V <sup>(4)</sup>	Q	4865.5	-300.7	149.3	1.4	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5051.3	-275.9	149.2	1.0	-25.8	
								G, H, Q, V <sup>(4)</sup>	Q	4865.5	-300.7	149.3	1.4	-36.7	Cumple
		Pie	Cumple	Cumple	14.6	90.6	90.6	G, H, Q, V <sup>(4)</sup>	Q	4865.5	-300.7	149.3	1.4	-36.7	
						G, H, Q, V <sup>(3)</sup>	N,M	5051.3	-275.9	149.2	1.0	-25.8			
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.4	90.7	90.7	G, H, Q, V <sup>(6)</sup>	Q	5123.5	253.3	260.8	0.4	-28.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5308.5	255.3	264.5	-0.1	-21.2	
		4.4 m	Cumple	Cumple	10.4	90.7	90.7	G, H, Q, V <sup>(6)</sup>	Q	5123.5	253.3	260.8	0.4	-28.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5308.5	255.3	264.5	-0.1	-21.2	
		0.5 m	Cumple	Cumple	10.4	90.7	90.7	G, H, Q, V <sup>(6)</sup>	Q	5123.5	253.3	260.8	0.4	-28.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5308.5	255.3	264.5	-0.1	-21.2	
								G, H, Q, V <sup>(6)</sup>	Q	5170.3	-260.6	160.7	0.4	-28.2	Cumple
		Pie	Cumple	Cumple	10.4	87.1	87.1	G, H, Q, V <sup>(6)</sup>	Q	5170.3	-260.6	160.7	0.4	-28.2	
								G, H, Q, V <sup>(9)</sup>	N,M	5055.3	248.3	-259.3	-0.8	0.7	
								G, H, Q, V <sup>(9)</sup>	N,M	5055.3	248.3	-259.3	-0.8	0.7	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	56.9	97.5	97.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	6830.4	-468.0	109.1	-8.4	192.2	Cumple
		-1.07 m	Cumple	Cumple	56.9	97.5	97.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	6830.4	-468.0	109.1	-8.4	192.2	Cumple
		-3 m	Cumple	Cumple	56.9	97.5	97.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	6830.4	-468.0	109.1	-8.4	192.2	Cumple
		Pie	Cumple	Cumple	56.9	88.7	88.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6866.5	300.2	-102.3	-8.4	192.2	Cumple
								G, H, Q, V <sup>(3)</sup>	Q,N,M	6866.5	300.2	-102.3	-8.4	192.2	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.8	88.7	88.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6866.5	300.2	-102.3	-8.4	192.2	Cumple



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> $PP+CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$															
<sup>(3)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$															
<sup>(4)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$															
<sup>(5)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.+)$															
<sup>(6)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$															
<sup>(7)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$															
<sup>(8)</sup> $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$															
<sup>(9)</sup> $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$															



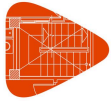
# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.65. P59

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado		
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)			
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	23.7	31.8	31.8	G, H, Q, V <sup>(2)</sup>	Q	617.4	52.6	-0.3	0.4	-34.3	Cumple		
			G, H, Q, V <sup>(3)</sup>	N,M	841.7	81.3	-0.9	0.8	-36.0								
		31.35 m	Cumple	Cumple	23.4	34.1	34.1	G, H, Q, V <sup>(2)</sup>	Q	633.3	-58.9	1.1	0.4	-34.3	Cumple		
			G, H, Q, V <sup>(3)</sup>	N,M	863.2	-88.8	1.6	0.8	-36.0								
		29.2 m	Cumple	Cumple	23.4	34.1	34.1	G, H, Q, V <sup>(2)</sup>	Q	633.3	-58.9	1.1	0.4	-34.3	Cumple		
			G, H, Q, V <sup>(3)</sup>	N,M	863.2	-88.8	1.6	0.8	-36.0								
		Pie	Cumple	Cumple	23.4	34.1	34.1	G, H, Q, V <sup>(2)</sup>	Q	633.3	-58.9	1.1	0.4	-34.3	Cumple		
			G, H, Q, V <sup>(3)</sup>	N,M	863.2	-88.8	1.6	0.8	-36.0								
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	29.2	47.0	47.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1363.3	142.3	38.8	-0.6	-58.2	Cumple		
		27.75 m	Cumple	Cumple	29.2	47.0	47.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1363.3	142.3	38.8	-0.6	-58.2	Cumple		
		25.6 m	Cumple	Cumple	29.2	47.0	47.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1363.3	142.3	38.8	-0.6	-58.2	Cumple		
		Pie	Cumple	Cumple	29.2	44.1	44.1	G, H, Q, V <sup>(4)</sup>	Q	1387.5	-125.8	37.5	-0.6	-58.2	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	1488.6	-121.0	40.3	-0.2	-51.6			
		P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	30.5	59.5	59.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1974.3	163.3	57.6	-2.2	-60.6	Cumple
24.15 m	Cumple			Cumple	30.5	59.5	59.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1974.3	163.3	57.6	-2.2	-60.6	Cumple		
22 m	Cumple			Cumple	30.5	59.5	59.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1974.3	163.3	57.6	-2.2	-60.6	Cumple		
Pie	Cumple			Cumple	30.5	57.2	57.2	G, H, Q, V <sup>(4)</sup>	Q	1998.5	-147.9	-56.0	-2.2	-60.6	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	2118.2	-138.5	-57.4	-0.8	-51.2			
P. quinta +21.50 (17.8 - 21.4 m)	50x50			Cabeza	Cumple	Cumple	29.3	61.7	61.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2592.4	189.0	71.5	-2.6	-68.3	Cumple
		20.55 m	Cumple	Cumple	29.3	61.7	61.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2592.4	189.0	71.5	-2.6	-68.3	Cumple		
		18.4 m	Cumple	Cumple	29.3	61.7	61.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2592.4	189.0	71.5	-2.6	-68.3	Cumple		
		Pie	Cumple	Cumple	29.3	59.5	59.5	G, H, Q, V <sup>(4)</sup>	Q	2619.3	-166.2	-70.0	-2.6	-68.3	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	2754.7	-151.9	-69.6	-1.0	-56.7			
		P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	36.8	72.1	72.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	3219.2	203.6	79.8	-3.3	-85.8	Cumple
16.95 m	Cumple			Cumple	36.8	74.6	74.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	3246.1	-221.8	-77.5	-3.3	-85.8	Cumple		
14.8 m	Cumple			Cumple	36.8	74.6	74.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	3246.1	-221.8	-77.5	-3.3	-85.8	Cumple		
Pie	Cumple			Cumple	36.8	74.6	74.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	3246.1	-221.8	-77.5	-3.3	-85.8	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	3246.1	-221.8	-77.5	-3.3	-85.8			
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	44.1	76.0	76.0	G, H, V <sup>(5)</sup>	Q	2908.9	-157.7	-74.2	7.3	93.4	Cumple		
								G, H, Q, V <sup>(6)</sup>	N,M	3861.1	220.7	82.3	-6.7	-59.9			
		13.35 m	Cumple	Cumple	44.1	78.2	78.2	G, H, V <sup>(5)</sup>	Q	2939.3	277.7	83.4	7.3	93.4	Cumple		
								G, H, Q, V <sup>(7)</sup>	N,M	3488.6	281.8	88.1	6.9	88.8			
		11.2 m	Cumple	Cumple	44.1	78.2	78.2	G, H, V <sup>(5)</sup>	Q	2939.3	277.7	83.4	7.3	93.4	Cumple		
								G, H, Q, V <sup>(7)</sup>	N,M	3488.6	281.8	88.1	6.9	88.8			
		Pie	Cumple	Cumple	44.1	78.2	78.2	G, H, V <sup>(5)</sup>	Q	2939.3	277.7	83.4	7.3	93.4	Cumple		
								G, H, Q, V <sup>(7)</sup>	N,M	3488.6	281.8	88.1	6.9	88.8			
		P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	17.0	88.0	88.0	G, H, Q, V <sup>(4)</sup>	Q	4791.2	192.5	-244.8	1.8	-42.8	Cumple
										G, H, Q, V <sup>(3)</sup>	N,M	4972.8	159.9	-248.2	1.4	-31.2	
9.75 m	Cumple			Cumple	17.0	91.4	91.4	G, H, Q, V <sup>(4)</sup>	Q	4838.0	-317.2	149.7	1.8	-42.8	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	5019.6	-291.2	149.4	1.4	-31.2			
5.85 m	Cumple			Cumple	17.0	91.4	91.4	G, H, Q, V <sup>(4)</sup>	Q	4838.0	-317.2	149.7	1.8	-42.8	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	5019.6	-291.2	149.4	1.4	-31.2			
Pie	Cumple			Cumple	17.0	91.4	91.4	G, H, Q, V <sup>(4)</sup>	Q	4838.0	-317.2	149.7	1.8	-42.8	Cumple		
								G, H, Q, V <sup>(3)</sup>	N,M	5019.6	-291.2	149.4	1.4	-31.2			
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	13.0	86.2	86.2	G, H, Q, V <sup>(6)</sup>	Q	5119.0	266.2	-159.9	1.9	-35.2	Cumple		
								G, H, Q, V <sup>(8)</sup>	N,M	5302.7	270.4	-159.8	1.7	-28.2			
		4.4 m	Cumple	Cumple	13.0	86.5	86.5	G, H, Q, V <sup>(6)</sup>	Q	5165.8	-260.5	166.0	1.9	-35.2	Cumple		
								G, H, Q, V <sup>(8)</sup>	N,M	5349.5	-264.1	165.1	1.7	-28.2			
		0.5 m	Cumple	Cumple	13.0	86.5	86.5	G, H, Q, V <sup>(6)</sup>	Q	5165.8	-260.5	166.0	1.9	-35.2	Cumple		
								G, H, Q, V <sup>(8)</sup>	N,M	5349.5	-264.1	165.1	1.7	-28.2			
		Pie	Cumple	Cumple	13.0	86.5	86.5	G, H, Q, V <sup>(6)</sup>	Q	5165.8	-260.5	166.0	1.9	-35.2	Cumple		
								G, H, Q, V <sup>(8)</sup>	N,M	5349.5	-264.1	165.1	1.7	-28.2			
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	51.4	94.6	94.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	6741.1	-431.8	-98.7	2.7	173.5	Cumple		
		-1.07 m	Cumple	Cumple	51.4	94.6	94.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	6741.1	-431.8	-98.7	2.7	173.5	Cumple		
		-3 m	Cumple	Cumple	51.4	94.6	94.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	6741.1	-431.8	-98.7	2.7	173.5	Cumple		
		Pie	Cumple	Cumple	51.4	86.7	86.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6777.2	280.1	95.8	2.7	173.5	Cumple		
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	11.2	86.7	86.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6777.2	280.1	95.8	2.7	173.5	Cumple		



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

Sección de hormigón														
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>simos</sub>						Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	
Notas:														
(1) La comprobación no procede														
(2) $PP+CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$														
(3) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$														
(4) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$														
(5) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.+)$														
(6) $1.35 \cdot PP+1.35 \cdot CM+HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$														
(7) $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$														
(8) $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$														



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.66. P60

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	25.0	31.8	31.8	G, H, Q, V <sup>(2)</sup>	Q	614.0	53.1	-0.8	1.8	-36.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	837.4	81.6	-1.5	2.4	-38.1						
		31.35 m	Cumple	Cumple	24.7	36.4	36.4	G, H, Q, V <sup>(2)</sup>	Q	630.0	-64.2	5.0	1.8	-36.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	859.0	-95.1	6.1	2.4	-38.1						
		29.2 m	Cumple	Cumple	24.7	36.4	36.4	G, H, Q, V <sup>(2)</sup>	Q	630.0	-64.2	5.0	1.8	-36.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	859.0	-95.1	6.1	2.4	-38.1						
		Pie	Cumple	Cumple	24.7	36.4	36.4	G, H, Q, V <sup>(2)</sup>	Q	630.0	-64.2	5.0	1.8	-36.1	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	859.0	-95.1	6.1	2.4	-38.1						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	35.4	53.3	53.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1373.6	164.1	-44.5	5.3	-70.2	Cumple
		27.75 m	Cumple	Cumple	35.4	53.3	53.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1373.6	164.1	-44.5	5.3	-70.2	Cumple
		25.6 m	Cumple	Cumple	35.4	53.3	53.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1373.6	164.1	-44.5	5.3	-70.2	Cumple
		Pie	Cumple	Cumple	35.4	48.7	48.7	G, H, Q, V <sup>(4)</sup>	Q	1397.8	-143.8	47.1	5.3	-70.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1498.3	-138.4	49.6	5.5	-63.1	
		P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	35.9	63.7	63.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2001.0	182.7	-57.5	3.0
24.15 m	Cumple			Cumple	35.9	63.7	63.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2001.0	182.7	-57.5	3.0	-71.4	Cumple
22 m	Cumple			Cumple	35.9	63.7	63.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2001.0	182.7	-57.5	3.0	-71.4	Cumple
Pie	Cumple			Cumple	35.9	60.7	60.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2025.3	-165.2	60.2	3.0	-71.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50			Cabeza	Cumple	Cumple	35.7	65.5	65.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	2637.8	214.2	-71.8	3.8
		20.55 m	Cumple	Cumple	35.7	65.5	65.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	2637.8	214.2	-71.8	3.8	-83.3	Cumple
		18.4 m	Cumple	Cumple	35.7	65.5	65.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	2637.8	214.2	-71.8	3.8	-83.3	Cumple
		Pie	Cumple	Cumple	35.7	63.1	63.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	2664.7	-190.9	74.9	3.8	-83.3	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	41.4	75.5	75.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	3284.7	226.0	-75.5	0.7	-96.5	Cumple
		16.95 m	Cumple	Cumple	41.4	76.9	76.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	3311.6	-235.3	74.4	0.7	-96.5	Cumple
		14.8 m	Cumple	Cumple	41.4	76.9	76.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	3311.6	-235.3	74.4	0.7	-96.5	Cumple
		Pie	Cumple	Cumple	41.4	76.9	76.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	3311.6	-235.3	74.4	0.7	-96.5	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	46.7	78.1	78.1	G, H, V <sup>(5)</sup>	Q	2938.8	-167.7	68.6	-0.7	99.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3940.1	229.0	89.3	-13.0	-64.4	
		13.35 m	Cumple	Cumple	46.7	79.4	79.4	G, H, V <sup>(5)</sup>	Q	2969.2	287.6	-68.4	-0.7	99.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3522.2	292.6	-74.3	-0.9	95.2	
		11.2 m	Cumple	Cumple	46.7	79.4	79.4	G, H, V <sup>(5)</sup>	Q	2969.2	287.6	-68.4	-0.7	99.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3522.2	292.6	-74.3	-0.9	95.2	
		Pie	Cumple	Cumple	46.7	79.4	79.4	G, H, V <sup>(5)</sup>	Q	2969.2	287.6	-68.4	-0.7	99.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3522.2	292.6	-74.3	-0.9	95.2	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.4	89.5	89.5	G, H, Q, V <sup>(4)</sup>	Q	4869.3	207.8	246.3	-0.3	-51.5	Cumple
		G, H, Q, V <sup>(3)</sup>	N,M	5041.5	173.0	249.3	-0.5	-39.4							
		9.75 m	Cumple	Cumple	20.4	94.5	94.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	4916.1	-345.1	-149.7	-0.3	-51.5	Cumple
		5.85 m	Cumple	Cumple	20.4	94.5	94.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	4916.1	-345.1	-149.7	-0.3	-51.5	Cumple
		Pie	Cumple	Cumple	20.4	94.5	94.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	4916.1	-345.1	-149.7	-0.3	-51.5	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	16.1	89.7	89.7	G, H, Q, V <sup>(6)</sup>	Q	5265.2	289.8	-158.7	-0.1	-43.7	Cumple
		G, H, Q, V <sup>(8)</sup>	N,M	5445.2	296.7	-158.1	-0.6	-37.1							
		4.4 m	Cumple	Cumple	16.1	89.7	89.7	G, H, Q, V <sup>(6)</sup>	Q	5265.2	289.8	-158.7	-0.1	-43.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5445.2	296.7	-158.1	-0.6	-37.1	
		0.5 m	Cumple	Cumple	16.1	89.7	89.7	G, H, Q, V <sup>(6)</sup>	Q	5265.2	289.8	-158.7	-0.1	-43.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5445.2	296.7	-158.1	-0.6	-37.1	
		Pie	Cumple	Cumple	16.1	88.1	88.1	G, H, Q, V <sup>(6)</sup>	Q	5312.0	-263.4	-159.4	-0.1	-43.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	5492.0	-266.6	-160.8	-0.6	-37.1	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	51.9	96.4	96.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	6857.9	-433.6	126.5	-17.4	174.6	Cumple
		-1.07 m	Cumple	Cumple	51.9	96.4	96.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	6857.9	-433.6	126.5	-17.4	174.6	Cumple
		-3 m	Cumple	Cumple	51.9	96.4	96.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	6857.9	-433.6	126.5	-17.4	174.6	Cumple
		Pie	Cumple	Cumple	51.9	88.2	88.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	6894.0	281.1	-112.0	-17.4	174.6	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	11.8	88.2	88.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	6894.0	281.1	-112.0	-17.4	174.6	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> $PP+CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$															
<sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$															
<sup>(4)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$															
<sup>(5)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.5\cdot V(+Yexc.+)$															
<sup>(6)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$															
<sup>(7)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot HI+1.05\cdot Qa+1.5\cdot V(+Yexc.+)$															
<sup>(8)</sup> $1.35\cdot PP+1.35\cdot CM+HI+1.5\cdot Qa+0.9\cdot V(-Yexc.+)$															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> PP+CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.+)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.67. P61

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	25.4	32.1	32.1	G, H, Q, V <sup>(2)</sup>	Q	617.3	54.1	0.8	0.8	-36.8	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	841.5	82.6	0.4	1.2	-38.7						
		31.35 m	Cumple	Cumple	25.1	36.7	36.7	G, H, Q, V <sup>(2)</sup>	Q	633.3	-65.4	3.4	0.8	-36.8	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	783.0	-97.9	4.2	1.1	-40.7						
		29.2 m	Cumple	Cumple	25.1	36.7	36.7	G, H, Q, V <sup>(2)</sup>	Q	633.3	-65.4	3.4	0.8	-36.8	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	783.0	-97.9	4.2	1.1	-40.7						
		Pie	Cumple	Cumple	25.1	36.7	36.7	G, H, Q, V <sup>(4)</sup>	Q	633.3	-65.4	3.4	0.8	-36.8	Cumple
			G, H, Q, V <sup>(4)</sup>	N,M	783.0	-97.9	4.2	1.1	-40.7						
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	32.8	52.3	52.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1370.7	160.8	-42.9	4.3	-65.1	Cumple
		27.75 m	Cumple	Cumple	32.8	52.3	52.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1370.7	160.8	-42.9	4.3	-65.1	Cumple
		25.6 m	Cumple	Cumple	32.8	52.3	52.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	1370.7	160.8	-42.9	4.3	-65.1	Cumple
		Pie	Cumple	Cumple	32.8	46.1	46.1	G, H, Q, V <sup>(4)</sup>	Q	1394.9	-130.2	45.3	4.3	-65.1	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	1495.7	-126.9	47.8	4.6	-58.5									
P. sexta +25.10 (21.4 - 25 m)	50x50	Cabeza	Cumple	Cumple	35.7	55.0	55.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1995.1	200.0	-56.0	2.4	-83.2	Cumple
		24.15 m	Cumple	Cumple	35.7	55.0	55.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1995.1	200.0	-56.0	2.4	-83.2	Cumple
		22 m	Cumple	Cumple	35.7	55.0	55.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	1995.1	200.0	-56.0	2.4	-83.2	Cumple
		Pie	Cumple	Cumple	35.7	52.3	52.3	G, H, Q, V <sup>(4)</sup>	Q	2022.0	-178.3	59.4	2.4	-83.2	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	2139.5	-164.4	63.7	3.5	-70.1									
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	34.3	64.3	64.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2629.4	206.4	-70.2	2.7	-79.9	Cumple
		20.55 m	Cumple	Cumple	34.3	64.3	64.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2629.4	206.4	-70.2	2.7	-79.9	Cumple
		18.4 m	Cumple	Cumple	34.3	64.3	64.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2629.4	206.4	-70.2	2.7	-79.9	Cumple
		Pie	Cumple	Cumple	34.3	62.4	62.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	2656.3	-187.5	72.7	2.7	-79.9	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	42.6	76.0	76.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	3270.3	231.7	-74.7	1.0	-99.3	Cumple
		16.95 m	Cumple	Cumple	42.6	77.2	77.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3297.2	-238.3	75.9	1.0	-99.3	Cumple
		14.8 m	Cumple	Cumple	42.6	77.2	77.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3297.2	-238.3	75.9	1.0	-99.3	Cumple
		Pie	Cumple	Cumple	42.6	77.2	77.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3297.2	-238.3	75.9	1.0	-99.3	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	50x50	Cabeza	Cumple	Cumple	34.4	82.7	82.7	G, H, V <sup>(5)</sup>	Q	2898.8	-136.6	-77.6	8.7	79.9	Cumple
			G, H, Q, V <sup>(6)</sup>	N,M	3913.0	208.9	-77.5	-0.8	-57.3						
		13.35 m	Cumple	Cumple	34.4	84.5	84.5	G, H, V <sup>(5)</sup>	Q	2925.7	263.6	91.2	8.7	79.9	Cumple
			G, H, Q, V <sup>(7)</sup>	N,M	3479.8	267.1	95.9	8.9	76.2						
		11.2 m	Cumple	Cumple	34.4	84.5	84.5	G, H, V <sup>(5)</sup>	Q	2925.7	263.6	91.2	8.7	79.9	Cumple
			G, H, Q, V <sup>(7)</sup>	N,M	3479.8	267.1	95.9	8.9	76.2						
		Pie	Cumple	Cumple	34.4	84.5	84.5	G, H, V <sup>(5)</sup>	Q	2925.7	263.6	91.2	8.7	79.9	Cumple
			G, H, Q, V <sup>(7)</sup>	N,M	3479.8	267.1	95.9	8.9	76.2						
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	22.4	91.3	91.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	4857.9	217.5	-242.6	3.4	-57.0	Cumple
		9.75 m	Cumple	Cumple	22.4	97.9	97.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	4904.7	-358.4	148.2	3.4	-57.0	Cumple
		5.85 m	Cumple	Cumple	22.4	97.9	97.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	4904.7	-358.4	148.2	3.4	-57.0	Cumple
		Pie	Cumple	Cumple	22.4	97.9	97.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	4904.7	-358.4	148.2	3.4	-57.0	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	97.9	97.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	4904.7	-358.4	148.2	3.4	-57.0	Cumple
		Cabeza	Cumple	Cumple	16.7	97.6	97.6	G, H, Q, V <sup>(6)</sup>	Q	5264.1	275.6	145.4	-0.1	-42.5	Cumple
			G, H, Q, V <sup>(8)</sup>	N,M	5438.6	282.6	144.1	-0.3	-35.6						
		4.4 m	Cumple	Cumple	16.7	97.6	97.6	G, H, Q, V <sup>(6)</sup>	Q	5264.1	275.6	145.4	-0.1	-42.5	Cumple
			G, H, Q, V <sup>(8)</sup>	N,M	5438.6	282.6	144.1	-0.3	-35.6						
		0.5 m	Cumple	Cumple	16.7	97.6	97.6	G, H, Q, V <sup>(6)</sup>	Q	5264.1	275.6	145.4	-0.1	-42.5	Cumple
			G, H, Q, V <sup>(8)</sup>	N,M	5438.6	282.6	144.1	-0.3	-35.6						
		Pie	Cumple	Cumple	16.7	95.9	95.9	G, H, Q, V <sup>(6)</sup>	Q	5310.9	-249.0	144.7	-0.1	-42.5	Cumple
G, H, Q, V <sup>(9)</sup>	N,M		5095.0	239.5	-246.3	-1.4	-9.1								
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	60.3	99.7	99.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6938.7	-490.1	103.6	-5.7	203.7	Cumple
		-1.07 m	Cumple	Cumple	60.3	99.7	99.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6938.7	-490.1	103.6	-5.7	203.7	Cumple
		-3 m	Cumple	Cumple	60.3	99.7	99.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	6938.7	-490.1	103.6	-5.7	203.7	Cumple
		Pie	Cumple	Cumple	60.3	90.4	90.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	6974.8	312.6	-99.1	-5.7	203.7	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	14.2	90.4	90.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	6974.8	312.6	-99.1	-5.7	203.7	Cumple

Notas:  
(1) La comprobación no procede  
(2) PP+CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)  
(3) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.+)  
(4) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)  
(5) 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+)  
(6) 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)  
(7) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)  
(8) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)  
(9) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.68. P62

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	40x40	Cabeza	Cumple	Cumple	25.0	40.1	40.1	G, H, Q, V <sup>(2)</sup>	Q	608.0	47.8	-0.3	0.9	-33.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	829.8	76.1	-26.7	1.4	-35.3	Cumple
		31.35 m	Cumple	Cumple	25.0	46.5	46.5	G, H, Q, V <sup>(4)</sup>	Q	767.3	-92.4	27.1	1.2	-37.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	847.1	-90.8	29.9	1.4	-35.3	Cumple
		29.2 m	Cumple	Cumple	25.0	46.5	46.5	G, H, Q, V <sup>(6)</sup>	Q	767.3	-92.4	27.1	1.2	-37.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	847.1	-90.8	29.9	1.4	-35.3	Cumple
		Pie	Cumple	Cumple	25.0	46.5	46.5	G, H, Q, V <sup>(8)</sup>	Q	767.3	-92.4	27.1	1.2	-37.1	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	847.1	-90.8	29.9	1.4	-35.3	Cumple
P. séptima +28.70 (25 - 28.6 m)	40x45	Cabeza	Cumple	Cumple	39.6	64.7	64.7	G, H, Q, V <sup>(10)</sup>	Q,N,M	1348.1	157.5	-46.4	3.0	-64.8	Cumple
		27.75 m	Cumple	Cumple	39.6	64.7	64.7	G, H, Q, V <sup>(11)</sup>	Q,N,M	1348.1	157.5	-46.4	3.0	-64.8	Cumple
		25.6 m	Cumple	Cumple	39.6	64.7	64.7	G, H, Q, V <sup>(12)</sup>	Q,N,M	1348.1	157.5	-46.4	3.0	-64.8	Cumple
								G, H, Q, V <sup>(13)</sup>	Q	1367.4	-131.1	47.9	3.0	-64.8	Cumple
		Pie	Cumple	Cumple	39.6	58.4	58.4	G, H, Q, V <sup>(14)</sup>	N,M	1467.1	-126.8	51.4	3.4	-58.0	Cumple
P. sexta +25.10 (21.4 - 25 m)	40x50	Cabeza	Cumple	Cumple	44.8	70.9	70.9	G, H, Q, V <sup>(15)</sup>	Q,N,M	1963.1	194.0	-61.9	1.6	-80.0	Cumple
		24.15 m	Cumple	Cumple	44.8	70.9	70.9	G, H, Q, V <sup>(16)</sup>	Q,N,M	1963.1	194.0	-61.9	1.6	-80.0	Cumple
		22 m	Cumple	Cumple	44.8	70.9	70.9	G, H, Q, V <sup>(17)</sup>	Q,N,M	1963.1	194.0	-61.9	1.6	-80.0	Cumple
		Pie	Cumple	Cumple	44.8	66.4	66.4	G, H, Q, V <sup>(18)</sup>	Q,N,M	1984.6	-169.2	63.0	1.6	-80.0	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	36.8	65.3	65.3	G, H, Q, V <sup>(19)</sup>	Q,N,M	2593.3	218.6	-69.1	2.4	-85.9	Cumple
		20.55 m	Cumple	Cumple	36.8	65.3	65.3	G, H, Q, V <sup>(20)</sup>	Q,N,M	2593.3	218.6	-69.1	2.4	-85.9	Cumple
		18.4 m	Cumple	Cumple	36.8	65.3	65.3	G, H, Q, V <sup>(21)</sup>	Q,N,M	2593.3	218.6	-69.1	2.4	-85.9	Cumple
		Pie	Cumple	Cumple	36.8	62.7	62.7	G, H, Q, V <sup>(22)</sup>	Q,N,M	2620.2	-193.8	71.8	2.4	-85.9	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	44.2	76.2	76.2	G, H, Q, V <sup>(23)</sup>	Q,N,M	3236.6	237.6	73.4	0.0	-103.1	Cumple
		16.95 m	Cumple	Cumple	44.2	77.4	77.4	G, H, Q, V <sup>(24)</sup>	Q,N,M	3263.5	-244.3	-73.5	0.0	-103.1	Cumple
		14.8 m	Cumple	Cumple	44.2	77.4	77.4	G, H, Q, V <sup>(25)</sup>	Q,N,M	3263.5	-244.3	-73.5	0.0	-103.1	Cumple
		Pie	Cumple	Cumple	44.2	77.4	77.4	G, H, Q, V <sup>(26)</sup>	Q,N,M	3263.5	-244.3	-73.5	0.0	-103.1	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	50.4	79.2	79.2	G, H, V <sup>(27)</sup>	Q	2844.1	-181.0	-76.8	8.2	106.8	Cumple
								G, H, Q, V <sup>(28)</sup>	N,M	3899.0	249.6	79.9	-4.7	-77.7	Cumple
		13.35 m	Cumple	Cumple	50.4	79.7	79.7	G, H, V <sup>(29)</sup>	Q	2874.6	296.4	82.1	8.2	106.8	Cumple
								G, H, Q, V <sup>(30)</sup>	N,M	3424.2	300.7	89.9	8.9	102.3	Cumple
		11.2 m	Cumple	Cumple	50.4	79.7	79.7	G, H, V <sup>(31)</sup>	Q	2874.6	296.4	82.1	8.2	106.8	Cumple
								G, H, Q, V <sup>(32)</sup>	N,M	3424.2	300.7	89.9	8.9	102.3	Cumple
		Pie	Cumple	Cumple	50.4	79.7	79.7	G, H, V <sup>(33)</sup>	Q	2874.6	296.4	82.1	8.2	106.8	Cumple
								G, H, Q, V <sup>(34)</sup>	N,M	3424.2	300.7	89.9	8.9	102.3	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	23.0	95.2	95.2	G, H, Q, V <sup>(35)</sup>	Q,N,M	4848.2	198.0	-234.8	1.4	-48.4	Cumple
		9.75 m	Cumple	Cumple	23.0	99.9	99.9	G, H, Q, V <sup>(36)</sup>	Q,N,M	4895.0	-319.2	-139.2	1.4	-48.4	Cumple
		5.85 m	Cumple	Cumple	23.0	99.9	99.9	G, H, Q, V <sup>(37)</sup>	Q,N,M	4895.0	-319.2	-139.2	1.4	-48.4	Cumple
		Pie	Cumple	Cumple	23.0	99.9	99.9	G, H, Q, V <sup>(38)</sup>	Q,N,M	4895.0	-319.2	-139.2	1.4	-48.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	10.8	99.4	99.4	G, H, Q, V <sup>(39)</sup>	Q	5147.9	223.0	-244.3	2.7	-26.3	Cumple
								G, H, Q, V <sup>(40)</sup>	N,M	5299.5	225.6	-245.9	2.5	-17.4	Cumple
		4.4 m	Cumple	Cumple	10.8	99.4	99.4	G, H, Q, V <sup>(41)</sup>	Q	5147.9	223.0	-244.3	2.7	-26.3	Cumple
								G, H, Q, V <sup>(42)</sup>	N,M	5299.5	225.6	-245.9	2.5	-17.4	Cumple
		0.5 m	Cumple	Cumple	10.8	99.4	99.4	G, H, Q, V <sup>(43)</sup>	Q	5147.9	223.0	-244.3	2.7	-26.3	Cumple
								G, H, Q, V <sup>(44)</sup>	N,M	5299.5	225.6	-245.9	2.5	-17.4	Cumple
		Pie	Cumple	Cumple	10.8	96.9	96.9	G, H, Q, V <sup>(45)</sup>	Q	5194.7	-244.3	153.7	2.7	-26.3	Cumple
								G, H, Q, V <sup>(46)</sup>	N,M	5124.1	219.3	-244.1	0.3	-1.1	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	63.9	99.1	99.1	G, H, Q, V <sup>(47)</sup>	Q,N,M	6814.6	-539.4	-123.4	14.6	228.1	Cumple
		-1.07 m	Cumple	Cumple	63.9	99.1	99.1	G, H, Q, V <sup>(48)</sup>	Q,N,M	6814.6	-539.4	-123.4	14.6	228.1	Cumple
		-3 m	Cumple	Cumple	63.9	99.1	99.1	G, H, Q, V <sup>(49)</sup>	Q,N,M	6814.6	-539.4	-123.4	14.6	228.1	Cumple
		Pie	Cumple	Cumple	63.9	88.5	88.5	G, H, Q, V <sup>(50)</sup>	Q,N,M	6850.7	341.1	110.3	14.6	228.1	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	13.6	88.5	88.5	G, H, Q, V <sup>(51)</sup>	Q,N,M	6850.7	341.1	110.3	14.6	228.1	Cumple

Notas:  
(1) La comprobación no procede  
(2)  $PP+CM+1.35 \cdot H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$   
(3)  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$   
(4)  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$   
(5)  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.5 \cdot V(+Yexc.+)$   
(6)  $1.35 \cdot PP+1.35 \cdot CM+H1+1.05 \cdot Qa+1.5 \cdot V(-Yexc.+)$   
(7)  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$   
(8)  $1.35 \cdot PP+1.35 \cdot CM+H1+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$   
(9)  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot H1+1.5 \cdot Qa+0.9 \cdot V(-Yexc.+)$





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.69. P63

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	25.2	33.6	33.6	G, H, Q, V <sup>(2)</sup>	Q	635.2	55.2	10.2	-4.3	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	867.6	84.8	13.6	-5.9	-38.9	Cumple
		31.35 m	Cumple	Cumple	24.9	36.8	36.8	G, H, Q, V <sup>(2)</sup>	Q	651.2	-64.2	-3.7	-4.3	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	889.1	-96.2	-5.4	-5.9	-38.9	Cumple
		29.2 m	Cumple	Cumple	24.9	36.8	36.8	G, H, Q, V <sup>(2)</sup>	Q	651.2	-64.2	-3.7	-4.3	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	889.1	-96.2	-5.4	-5.9	-38.9	Cumple
		Pie	Cumple	Cumple	24.9	36.8	36.8	G, H, Q, V <sup>(2)</sup>	Q	651.2	-64.2	-3.7	-4.3	-36.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	889.1	-96.2	-5.4	-5.9	-38.9	Cumple
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	36.4	54.7	54.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1396.7	171.0	-40.1	1.4	-72.5	Cumple
		27.75 m	Cumple	Cumple	36.4	54.7	54.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1396.7	171.0	-40.1	1.4	-72.5	Cumple
		25.6 m	Cumple	Cumple	36.4	54.7	54.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	1396.7	171.0	-40.1	1.4	-72.5	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	1420.9	-145.7	40.2	1.4	-72.5	Cumple
		Pie	Cumple	Cumple	36.4	48.7	48.7	G, H, Q, V <sup>(4)</sup>	N,M	1526.6	-140.2	43.0	1.9	-64.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1526.6	-140.2	43.0	1.9	-64.5	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	38.9	66.9	66.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	2026.5	195.8	59.8	-2.3	-77.4	Cumple
		24.15 m	Cumple	Cumple	38.9	66.9	66.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	2026.5	195.8	59.8	-2.3	-77.4	Cumple
		22 m	Cumple	Cumple	38.9	66.9	66.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	2026.5	195.8	59.8	-2.3	-77.4	Cumple
		Pie	Cumple	Cumple	38.9	62.2	62.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2050.7	-172.9	-57.1	-2.3	-77.4	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	38.8	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2667.0	228.7	72.0	-2.7	-90.4	Cumple
		20.55 m	Cumple	Cumple	38.8	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2667.0	228.7	72.0	-2.7	-90.4	Cumple
		18.4 m	Cumple	Cumple	38.8	67.7	67.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2667.0	228.7	72.0	-2.7	-90.4	Cumple
		Pie	Cumple	Cumple	38.8	64.4	64.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	2693.9	-200.3	-72.0	-2.7	-90.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	45.6	78.6	78.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	3321.6	244.4	80.8	-2.6	-106.4	Cumple
		16.95 m	Cumple	Cumple	45.6	79.3	79.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3348.5	-249.5	-75.8	-2.6	-106.4	Cumple
		14.8 m	Cumple	Cumple	45.6	79.3	79.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3348.5	-249.5	-75.8	-2.6	-106.4	Cumple
		Pie	Cumple	Cumple	45.6	79.3	79.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	3348.5	-249.5	-75.8	-2.6	-106.4	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	55.8	81.3	81.3	G, H, V <sup>(5)</sup>	Q	2883.5	-192.9	-73.7	4.1	118.4	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3979.1	259.7	82.1	-8.3	-83.8	Cumple
		13.35 m	Cumple	Cumple	55.8	83.9	83.9	G, H, V <sup>(5)</sup>	Q	2913.9	323.3	73.0	4.1	118.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3480.5	331.0	76.9	3.4	115.3	Cumple
		11.2 m	Cumple	Cumple	55.8	83.9	83.9	G, H, V <sup>(5)</sup>	Q	2913.9	323.3	73.0	4.1	118.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3480.5	331.0	76.9	3.4	115.3	Cumple
		Pie	Cumple	Cumple	55.8	83.9	83.9	G, H, V <sup>(5)</sup>	Q	2913.9	323.3	73.0	4.1	118.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	3480.5	331.0	76.9	3.4	115.3	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	26.4	92.4	92.4	G, H, Q, V <sup>(4)</sup>	Q,N,M	4969.4	240.1	-248.1	-0.8	-66.6	Cumple
		9.75 m	Cumple	Cumple	26.4	99.9	99.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	5016.2	-388.2	-153.1	-0.8	-66.6	Cumple
		5.85 m	Cumple	Cumple	26.4	99.9	99.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	5016.2	-388.2	-153.1	-0.8	-66.6	Cumple
		Pie	Cumple	Cumple	26.4	99.9	99.9	G, H, Q, V <sup>(4)</sup>	Q,N,M	5016.2	-388.2	-153.1	-0.8	-66.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	21.4	94.6	94.6	G, H, Q, V <sup>(4)</sup>	Q	5498.1	316.7	-160.5	3.1	-58.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5676.8	326.9	-159.9	3.0	-50.8	Cumple
		4.4 m	Cumple	Cumple	21.4	94.6	94.6	G, H, Q, V <sup>(4)</sup>	Q	5498.1	316.7	-160.5	3.1	-58.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5676.8	326.9	-159.9	3.0	-50.8	Cumple
		0.5 m	Cumple	Cumple	21.4	94.6	94.6	G, H, Q, V <sup>(4)</sup>	Q	5498.1	316.7	-160.5	3.1	-58.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5676.8	326.9	-159.9	3.0	-50.8	Cumple
		Pie	Cumple	Cumple	21.4	91.4	91.4	G, H, Q, V <sup>(4)</sup>	Q	5544.9	-286.9	170.8	3.1	-58.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5723.7	-270.3	169.0	3.0	-50.8	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	46.4	96.2	96.2	G, H, Q, V <sup>(6)</sup>	Q	6865.4	-399.9	-117.0	12.2	156.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7111.7	-391.6	-117.1	12.6	153.3	Cumple
		-1.07 m	Cumple	Cumple	46.4	96.2	96.2	G, H, Q, V <sup>(6)</sup>	Q	6865.4	-399.9	-117.0	12.2	156.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7111.7	-391.6	-117.1	12.6	153.3	Cumple
		-3 m	Cumple	Cumple	46.4	96.2	96.2	G, H, Q, V <sup>(6)</sup>	Q	6865.4	-399.9	-117.0	12.2	156.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7111.7	-391.6	-117.1	12.6	153.3	Cumple
		Pie	Cumple	Cumple	46.4	89.7	89.7	G, H, Q, V <sup>(6)</sup>	Q	6901.5	259.6	105.9	12.2	156.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	7147.8	257.3	105.6	12.6	153.3	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	11.5	89.7	89.7	G, H, Q, V <sup>(6)</sup>	Q,N,M	7147.8	257.3	105.6	12.6	153.3	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.+)															
<sup>(3)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-Qa+0.9-V(-Yexc.+)															
<sup>(4)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc.+)															
<sup>(5)</sup> 1.35-PP+1.35-CM+1.35-HI+1.5-V(+Yexc.+)															
<sup>(6)</sup> 1.35-PP+1.35-CM+HI+1.05-Qa+1.5-V(-Yexc.+)															
<sup>(7)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(+Yexc.+)															
<sup>(8)</sup> 1.35-PP+1.35-CM+HI+1.5-Qa+0.9-V(-Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.70. P64

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.2 m)	50x40	Cabeza	Cumple	Cumple	43.9	37.5	43.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	657.7	53.7	-86.5	54.4	-35.4	Cumple
		31.35 m	Cumple	Cumple	43.9	37.5	43.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	657.7	53.7	-86.5	54.4	-35.4	Cumple
		29.2 m	Cumple	Cumple	43.9	37.5	43.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	657.7	53.7	-86.5	54.4	-35.4	Cumple
		Pie	Cumple	Cumple	43.2	41.1	43.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	679.2	-61.3	90.4	54.4	-35.4	Cumple
P. séptima +28.70 (25 - 28.6 m)	50x45	Cabeza	Cumple	Cumple	40.1	54.4	54.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	1097.5	152.6	-68.8	44.4	-66.1	Cumple
		27.75 m	Cumple	Cumple	40.1	54.4	54.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	1097.5	152.6	-68.8	44.4	-66.1	Cumple
		25.6 m	Cumple	Cumple	40.1	54.4	54.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	1097.5	152.6	-68.8	44.4	-66.1	Cumple
		Pie	Cumple	Cumple	40.1	47.0	47.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	1121.8	-125.9	75.6	44.4	-66.1	Cumple
P. sexta +25.10 (21.4 - 25 m)	50x45	Cabeza	Cumple	Cumple	42.3	67.5	67.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	1606.7	176.5	-114.0	42.7	-72.3	Cumple
		24.15 m	Cumple	Cumple	42.3	67.5	67.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	1606.7	176.5	-114.0	42.7	-72.3	Cumple
		22 m	Cumple	Cumple	42.3	67.5	67.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	1606.7	176.5	-114.0	42.7	-72.3	Cumple
		Pie	Cumple	Cumple	42.3	61.1	61.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1630.9	-151.5	111.5	42.7	-72.3	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	42.4	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2127.3	209.5	-132.3	50.1	-85.4	Cumple
		20.55 m	Cumple	Cumple	42.4	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2127.3	209.5	-132.3	50.1	-85.4	Cumple
		18.4 m	Cumple	Cumple	42.4	65.6	65.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2127.3	209.5	-132.3	50.1	-85.4	Cumple
		Pie	Cumple	Cumple	42.4	63.5	63.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	2154.2	-182.8	145.3	50.1	-85.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	Cabeza	Cumple	Cumple	41.3	71.6	71.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2657.4	224.6	-124.1	22.1	-93.7	Cumple
		16.95 m	Cumple	Cumple	41.3	71.6	71.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2657.4	224.6	-124.1	22.1	-93.7	Cumple
		14.8 m	Cumple	Cumple	41.3	71.6	71.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2657.4	224.6	-124.1	22.1	-93.7	Cumple
		Pie	Cumple	Cumple	41.3	66.9	66.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2684.3	-214.9	82.7	22.1	-93.7	Cumple
P. tercera +14.30 (10.6 - 14.2 m)	Diámetro 60	Cabeza	Cumple	Cumple	54.7	73.0	73.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	3210.0	264.8	-91.9	34.5	-111.6	Cumple
		13.35 m	Cumple	Cumple	54.7	74.2	74.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3240.4	-236.9	161.1	34.5	-111.6	Cumple
		11.2 m	Cumple	Cumple	54.7	74.2	74.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3240.4	-236.9	161.1	34.5	-111.6	Cumple
		Pie	Cumple	Cumple	54.7	74.2	74.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	3240.4	-236.9	161.1	34.5	-111.6	Cumple
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	49.2	92.5	92.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	3348.7	-383.9	-251.4	48.8	108.9	Cumple
		9.75 m	Cumple	Cumple	49.2	99.3	99.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3395.5	428.9	260.9	48.8	108.9	Cumple
		5.85 m	Cumple	Cumple	49.2	99.3	99.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3395.5	428.9	260.9	48.8	108.9	Cumple
		Pie	Cumple	Cumple	49.2	99.3	99.3	G, H, Q, V <sup>(5)</sup>	Q,N,M	3395.5	428.9	260.9	48.8	108.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	49.5	90.7	90.7	G, H, Q, V <sup>(6)</sup>	Q	4315.9	-494.4	-363.2	68.9	152.2	Cumple
		4.4 m	Cumple	Cumple	49.5	99.2	99.2	G, H, Q, V <sup>(6)</sup>	N,M	4686.8	-460.2	-380.4	73.9	121.7	Cumple
		0.5 m	Cumple	Cumple	49.5	99.2	99.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4375.5	618.7	333.4	68.9	152.2	Cumple
		Pie	Cumple	Cumple	49.5	99.2	99.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4375.5	618.7	333.4	68.9	152.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.0	99.2	99.2	G, H, Q, V <sup>(6)</sup>	Q,N,M	4375.5	618.7	333.4	68.9	152.2	Cumple
		Cabeza	Cumple	Cumple	74.6	53.3	74.6	G, H, Q, V <sup>(3)</sup>	Q	3807.9	-117.8	-199.1	238.3	81.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3922.2	-98.3	-205.9	232.4	46.7	
		-1.075 m	Cumple	Cumple	77.2	40.8	77.2	G, H, Q, V <sup>(9)</sup>	Q	3080.1	6.2	-140.1	260.7	0.4	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	3193.8	0.2	-140.1	255.1	-1.3	
		-3.095 m	Cumple	Cumple	65.5	14.2	65.5	G, H, Q, V <sup>(10)</sup>	Q	1118.8	-22.4	14.3	179.8	4.1	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1217.4	24.3	12.7	160.3	-28.8	
		Pie	Cumple	Cumple	65.4	18.3	65.4	G, H, Q, V <sup>(10)</sup>	Q	1124.8	-0.9	105.1	179.8	4.1	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	1194.8	-7.6	103.6	179.1	-30.1	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.3	18.3	18.3	G, H, Q, V <sup>(8)</sup>	Q,N,M	1194.8	-7.6	103.6	179.1	-30.1	Cumple
<b>Notas:</b>															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(10)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.71. P65

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	22.6	44.1	44.1	G, H, Q, V <sup>(2)</sup>	Q	1636.7	-185.5	120.6	-24.9	51.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1757.8	-178.4	132.1	-28.5	43.8	
		9.53 m	Cumple	Cumple	22.6	46.6	46.6	G, H, Q, V <sup>(2)</sup>	Q	1681.5	201.2	-139.2	-24.9	51.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1802.5	180.6	-155.0	-28.5	43.8	
		5.85 m	Cumple	Cumple	22.6	46.6	46.6	G, H, Q, V <sup>(2)</sup>	Q	1681.5	201.2	-139.2	-24.9	51.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1802.5	180.6	-155.0	-28.5	43.8	
		Pie	Cumple	Cumple	22.6	46.6	46.6	G, H, Q, V <sup>(2)</sup>	Q	1681.5	201.2	-139.2	-24.9	51.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1802.5	180.6	-155.0	-28.5	43.8	
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	22.7	60.1	60.1	G, H, Q, V <sup>(4)</sup>	Q	3313.8	-147.1	320.8	-77.0	-2.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3482.6	-154.6	316.4	-69.7	-0.1	
		4.28 m	Cumple	Cumple	22.7	62.2	62.2	G, H, Q, V <sup>(4)</sup>	Q	3372.0	-159.8	-350.7	-77.0	-2.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3371.0	-166.1	-349.7	-76.7	-4.1	
		0.5 m	Cumple	Cumple	22.7	62.2	62.2	G, H, Q, V <sup>(4)</sup>	Q	3372.0	-159.8	-350.7	-77.0	-2.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3371.0	-166.1	-349.7	-76.7	-4.1	
		Pie	Cumple	Cumple	22.7	62.2	62.2	G, H, Q, V <sup>(4)</sup>	Q	3372.0	-159.8	-350.7	-77.0	-2.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3371.0	-166.1	-349.7	-76.7	-4.1	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.0	62.2	62.2	G, H, Q, V <sup>(4)</sup>	Q	3372.0	-159.8	-350.7	-77.0	-2.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3371.0	-166.1	-349.7	-76.7	-4.1	
		Cabeza	Cumple	Cumple	33.2	35.3	35.3	G, H, Q, V <sup>(7)</sup>	Q	2358.9	5.2	159.6	-112.6	-1.6	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	2487.0	3.4	153.0	-96.2	2.5	
		-2.59 m	Cumple	Cumple	54.9	13.4	54.9	G, H, Q, V <sup>(9)</sup>	Q	1045.6	-27.4	-8.8	-79.6	118.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1115.9	-5.0	-22.3	-77.0	21.8	
		Pie	Cumple	Cumple	54.2	14.8	54.2	G, H, Q, V <sup>(9)</sup>	Q	884.0	23.3	-72.9	-65.5	112.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	905.3	4.8	-85.8	-78.5	23.1	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.3	14.8	14.8	G, H, Q, V <sup>(9)</sup>	Q	884.0	23.3	-72.9	-65.5	112.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	905.3	4.8	-85.8	-78.5	23.1	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Xexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Xexc.+)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Xexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Xexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.72. P66

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x100	Cabeza	Cumple	Cumple	62.4	48.6	62.4	G, H, Q, V <sup>(2)</sup>	Q	3120.2	-623.4	-176.1	14.7	249.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3120.3	-623.4	-176.1	14.6	249.4	
		9.53 m	Cumple	Cumple	62.4	48.3	62.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3199.4	568.9	199.6	14.7	249.4	Cumple
		5.85 m	Cumple	Cumple	62.4	48.3	62.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3199.4	568.9	199.6	14.7	249.4	Cumple
		Pie	Cumple	Cumple	62.4	48.3	62.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	3199.4	568.9	199.6	14.7	249.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x100	Cabeza	Cumple	Cumple	18.2	59.8	59.8	G, H, V <sup>(4)</sup>	Q	4272.6	-23.7	-298.4	-0.7	72.8	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	5243.6	-172.1	-351.3	-0.6	47.4	
		4.28 m	Cumple	Cumple	18.2	62.1	62.1	G, H, V <sup>(4)</sup>	Q	4353.4	331.7	-230.9	-0.7	72.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5282.6	-301.6	-352.9	-1.5	-25.1	
		0.5 m	Cumple	Cumple	18.2	62.1	62.1	G, H, V <sup>(4)</sup>	Q	4353.4	331.7	-230.9	-0.7	72.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5282.6	-301.6	-352.9	-1.5	-25.1	
		Pie	Cumple	Cumple	18.2	62.1	62.1	G, H, V <sup>(4)</sup>	Q	4353.4	331.7	-230.9	-0.7	72.8	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	5282.6	-301.6	-352.9	-1.5	-25.1	
P. Baja +0.00 (-3.6 - -0.1 m)	60x120	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.2	58.1	58.1	G, H, V <sup>(7)</sup>	Q	3233.6	319.4	-171.6	-0.4	68.8	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5314.6	116.8	-355.8	2.8	27.8	
		Cabeza	Cumple	Cumple	20.0	48.3	48.3	G, H, Q, V <sup>(9)</sup>	Q	6761.5	-229.7	140.5	-72.6	94.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7188.9	-24.0	327.4	-91.6	17.0	
		-1.07 m	Cumple	Cumple	20.0	48.3	48.3	G, H, Q, V <sup>(9)</sup>	Q	6761.5	-229.7	140.5	-72.6	94.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7188.9	-24.0	327.4	-91.6	17.0	
		-3 m	Cumple	Cumple	20.0	48.3	48.3	G, H, Q, V <sup>(9)</sup>	Q	6761.5	-229.7	140.5	-72.6	94.8	Cumple
								G, H, Q, V <sup>(10)</sup>	N,M	7188.9	-24.0	327.4	-91.6	17.0	
Sótano -3.80	60x120	Pie	Cumple	Cumple	20.0	48.0	48.0	G, H, Q, V <sup>(9)</sup>	Q	6827.7	57.6	-282.0	-72.6	94.8	Cumple
								G, H, Q, V <sup>(11)</sup>	N,M	7272.2	18.5	-296.4	-78.0	-18.5	

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·V(+Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(7)</sup> PP+CM+H1+1.5·V(+Yexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc. +)

<sup>(9)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-)

<sup>(10)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(11)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.73. P67

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	39.2	42.6	42.6	G, H, Q, V <sup>(2)</sup>	Q	2505.6	-432.6	-143.9	7.0	142.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2505.6	-432.6	-143.9	7.0	142.9	
		9.53 m	Cumple	Cumple	39.2	42.6	42.6	G, H, Q, V <sup>(2)</sup>	Q	2505.6	-432.6	-143.9	7.0	142.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2505.6	-432.6	-143.9	7.0	142.9	
		5.85 m	Cumple	Cumple	39.2	42.6	42.6	G, H, Q, V <sup>(2)</sup>	Q	2505.6	-432.6	-143.9	7.0	142.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2505.6	-432.6	-143.9	7.0	142.9	
		Pie	Cumple	Cumple	39.2	35.9	39.2	G, H, Q, V <sup>(2)</sup>	Q	2576.8	250.7	135.1	7.0	142.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2563.0	87.6	212.7	33.5	79.5	
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	24.4	52.7	52.7	G, H, Q, V <sup>(5)</sup>	Q	3664.7	138.8	183.7	4.5	-88.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3932.1	333.5	-224.5	21.2	-57.3	
		4.28 m	Cumple	Cumple	24.4	54.5	54.5	G, H, Q, V <sup>(5)</sup>	Q	3737.4	-422.4	209.4	4.5	-88.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4000.4	-250.8	-279.4	-9.5	-63.6	
		0.5 m	Cumple	Cumple	24.4	54.5	54.5	G, H, Q, V <sup>(5)</sup>	Q	3737.4	-422.4	209.4	4.5	-88.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4000.4	-250.8	-279.4	-9.5	-63.6	
		Pie	Cumple	Cumple	24.4	54.5	54.5	G, H, Q, V <sup>(5)</sup>	Q	3737.4	-422.4	209.4	4.5	-88.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4000.4	-250.8	-279.4	-9.5	-63.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x120	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.0	51.7	51.7	G, H, Q, V <sup>(5)</sup>	Q	3737.4	-294.8	210.1	4.5	-88.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4000.4	-250.8	-280.1	-9.5	-63.6	
		Cabeza	Cumple	Cumple	13.3	36.9	36.9	G, H, Q, V <sup>(2)</sup>	Q	5716.2	171.0	-114.3	28.8	-71.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	6025.6	122.6	-120.5	31.1	-51.4	
		-3 m	Cumple	Cumple	13.3	36.9	36.9	G, H, Q, V <sup>(2)</sup>	Q	5766.4	-44.7	115.3	28.8	-71.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6076.3	-32.4	121.5	30.9	-50.6	
		Pie	Cumple	Cumple	13.3	36.9	36.9	G, H, Q, V <sup>(2)</sup>	Q	5766.4	-44.7	115.3	28.8	-71.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6076.3	-32.4	121.5	30.9	-50.6	
Sótano -3.80	60x120	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.6	36.9	36.9	G, H, Q, V <sup>(2)</sup>	Q	5766.4	-44.7	115.3	28.8	-71.2	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	6076.3	-32.4	121.5	30.9	-50.6	

Notas:  
<sup>(1)</sup> La comprobación no procede  
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)  
<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)  
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Xexc.+)  
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)  
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Xexc.+)  
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Xexc.+)  
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)  
<sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.74. P68

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	39.7	34.1	39.7	G, H, V <sup>(2)</sup>	Q	1429.7	-248.5	-69.7	3.2	116.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2317.5	-316.3	112.9	3.2	144.4	
		9.53 m	Cumple	Cumple	39.7	34.1	39.7	G, H, V <sup>(2)</sup>	Q	1429.7	-248.5	-69.7	3.2	116.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2317.5	-316.3	112.9	3.2	144.4	
		Pie	Cumple	Cumple	39.6	38.4	39.6	G, H, Q, V <sup>(4)</sup>	Q,N,M	2388.7	374.0	131.7	3.2	144.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	22.1	56.7	56.7	G, H, Q, V <sup>(3)</sup>	Q	4003.9	-218.4	-279.6	17.6	78.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	4238.1	-228.6	-295.1	17.2	60.7	
		4.28 m	Cumple	Cumple	22.1	59.0	59.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4076.6	441.5	253.2	17.6	78.7	Cumple
		0.5 m	Cumple	Cumple	22.1	59.0	59.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4076.6	441.5	253.2	17.6	78.7	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x120	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.7	56.2	56.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	4076.6	441.5	253.9	17.6	78.7	Cumple
		Cabeza	Cumple	Cumple	11.9	37.8	37.8	G, H, V <sup>(6)</sup>	Q	5052.9	154.6	-101.1	25.6	-63.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6191.7	94.8	-123.8	29.7	-37.9	
		-3 m	Cumple	Cumple	11.9	37.9	37.9	G, H, V <sup>(6)</sup>	Q	5103.0	-38.8	102.1	25.6	-63.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6241.9	-20.0	124.8	29.7	-37.9	
		Pie	Cumple	Cumple	11.9	37.9	37.9	G, H, V <sup>(6)</sup>	Q	5103.0	-38.8	102.1	25.6	-63.8	Cumple
G, H, Q, V <sup>(7)</sup>	N,M	6241.9	-20.0	124.8	29.7	-37.9									
Sótano -3.80	60x120	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.5	37.9	37.9	G, H, V <sup>(2)</sup>	Q	3791.2	-39.1	75.8	18.6	-62.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6241.9	-20.0	124.8	29.7	-37.9	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+1.35·HI+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.75. P69

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	19.2	51.3	51.3	G, H, V <sup>(2)</sup>	Q	1771.9	141.5	75.7	1.3	-40.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2249.8	138.0	-141.0	2.1	-26.5	
		9.53 m	Cumple	Cumple	19.2	55.6	55.6	G, H, V <sup>(2)</sup>	Q	1816.7	-203.8	84.0	1.3	-40.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2146.0	-212.8	97.4	1.2	-39.6	
		5.85 m	Cumple	Cumple	19.2	55.6	55.6	G, H, V <sup>(2)</sup>	Q	1816.7	-203.8	84.0	1.3	-40.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2146.0	-212.8	97.4	1.2	-39.6	
		Pie	Cumple	Cumple	19.2	55.6	55.6	G, H, V <sup>(2)</sup>	Q	1816.7	-203.8	84.0	1.3	-40.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2146.0	-212.8	97.4	1.2	-39.6	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	20.1	79.3	79.3	G, H, V <sup>(2)</sup>	Q	2898.0	212.4	-140.5	6.9	-42.3	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3690.3	195.4	-207.3	7.5	-29.1	
		4.28 m	Cumple	Cumple	20.1	80.0	80.0	G, H, V <sup>(2)</sup>	Q	2943.7	-234.5	137.4	6.9	-42.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3771.1	-207.5	192.2	22.0	-12.6	
		0.5 m	Cumple	Cumple	20.1	80.0	80.0	G, H, V <sup>(2)</sup>	Q	2943.7	-234.5	137.4	6.9	-42.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3771.1	-207.5	192.2	22.0	-12.6	
		Pie	Cumple	Cumple	20.1	80.0	80.0	G, H, V <sup>(2)</sup>	Q	2943.7	-234.5	137.4	6.9	-42.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3771.1	-207.5	192.2	22.0	-12.6	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	15.1	73.8	73.8	G, H, Q, V <sup>(7)</sup>	Q	5126.3	187.4	-190.5	5.9	-47.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5418.5	180.3	-197.6	6.8	-44.5	
		-1.07 m	Cumple	Cumple	15.1	73.8	73.8	G, H, Q, V <sup>(7)</sup>	Q	5126.3	187.4	-190.5	5.9	-47.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5418.5	180.3	-197.6	6.8	-44.5	
		-3 m	Cumple	Cumple	15.1	73.8	73.8	G, H, Q, V <sup>(7)</sup>	Q	5126.3	187.4	-190.5	5.9	-47.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5418.5	180.3	-197.6	6.8	-44.5	
		Pie	Cumple	Cumple	15.1	71.6	71.6	G, H, Q, V <sup>(7)</sup>	Q	5162.4	-191.4	94.2	5.9	-47.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5454.6	-198.4	96.4	6.8	-44.5	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.1	71.6	71.6	G, H, Q, V <sup>(8)</sup>	Q,N,M	5454.6	-198.4	96.4	6.8	-44.5	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(-Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)

<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.76. P70

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	17.0	43.5	43.5	G, H, V <sup>(2)</sup>	Q	1076.6	108.0	-50.4	0.0	-32.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1914.6	115.9	-120.0	0.0	-13.5	
		9.53 m	Cumple	Cumple	16.7	49.6	49.6	G, H, V <sup>(2)</sup>	Q	1109.7	-137.8	-51.9	0.0	-32.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1851.5	190.3	94.6	6.9	34.5	
		5.85 m	Cumple	Cumple	16.7	49.6	49.6	G, H, V <sup>(2)</sup>	Q	1109.7	-137.8	-51.9	0.0	-32.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1851.5	190.3	94.6	6.9	34.5	
		Pie	Cumple	Cumple	16.7	49.6	49.6	G, H, V <sup>(2)</sup>	Q	1109.7	-137.8	-51.9	0.0	-32.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1851.5	190.3	94.6	6.9	34.5	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 60	Cabeza	Cumple	Cumple	16.9	71.2	71.2	G, H, Q, V <sup>(4)</sup>	Q	3179.6	-204.0	-127.1	0.9	36.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3350.6	-194.5	161.1	-14.2	10.6	
		4.28 m	Cumple	Cumple	16.9	75.4	75.4	G, H, Q, V <sup>(4)</sup>	Q	3225.3	222.2	131.9	0.9	36.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3424.1	195.3	199.1	0.8	27.5	
		0.5 m	Cumple	Cumple	16.9	75.4	75.4	G, H, Q, V <sup>(4)</sup>	Q	3225.3	222.2	131.9	0.9	36.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3424.1	195.3	199.1	0.8	27.5	
		Pie	Cumple	Cumple	16.9	75.4	75.4	G, H, Q, V <sup>(4)</sup>	Q	3225.3	222.2	131.9	0.9	36.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3424.1	195.3	199.1	0.8	27.5	
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	13.4	69.9	69.9	G, H, Q, V <sup>(7)</sup>	Q	4847.4	174.6	183.4	-8.1	-42.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5129.9	167.4	190.6	-7.9	-38.5	
		-1.07 m	Cumple	Cumple	13.4	69.9	69.9	G, H, Q, V <sup>(7)</sup>	Q	4847.4	174.6	183.4	-8.1	-42.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5129.9	167.4	190.6	-7.9	-38.5	
		-3 m	Cumple	Cumple	13.4	69.9	69.9	G, H, Q, V <sup>(7)</sup>	Q	4847.4	174.6	183.4	-8.1	-42.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5129.9	167.4	190.6	-7.9	-38.5	
		Pie	Cumple	Cumple	13.4	68.2	68.2	G, H, Q, V <sup>(7)</sup>	Q	4883.5	-184.4	-95.8	-8.1	-42.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5166.0	-191.5	-97.1	-7.9	-38.5	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	1.8	68.2	68.2	G, H, Q, V <sup>(7)</sup>	Q	4883.5	-184.4	-95.8	-8.1	-42.0	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5166.0	-191.5	-97.1	-7.9	-38.5	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> PP+CM+1.35·HI+1.5·V(-Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.77. P71

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	62.9	49.3	62.9	G, H, Q, V <sup>(2)</sup>	Q	2778.0	-465.2	193.9	-27.8	227.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2778.1	-465.2	193.9	-27.8	227.8	
		9.53 m	Cumple	Cumple	62.9	59.9	62.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2849.3	623.8	-211.3	-27.8	227.8	Cumple
		5.85 m	Cumple	Cumple	62.9	59.9	62.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2849.3	623.8	-211.3	-27.8	227.8	Cumple
		Pie	Cumple	Cumple	62.9	59.9	62.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	2849.3	623.8	-211.3	-27.8	227.8	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	46.4	68.6	68.6	G, H, Q, V <sup>(3)</sup>	Q	4584.5	-460.1	262.9	-10.7	169.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4786.9	-484.3	303.5	-29.9	119.5	
		4.28 m	Cumple	Cumple	46.4	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	4657.2	668.0	-228.4	-10.7	169.1	Cumple
		0.5 m	Cumple	Cumple	46.4	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	4657.2	668.0	-228.4	-10.7	169.1	Cumple
		Pie	Cumple	Cumple	46.4	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	4657.2	668.0	-228.4	-10.7	169.1	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x110	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.8	67.3	67.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	4657.2	668.3	-229.7	-10.7	169.1	Cumple
		Cabeza	Cumple	Cumple	26.7	50.0	50.0	G, H, Q, V <sup>(5)</sup>	Q	6439.4	-299.8	-173.7	19.4	136.1	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6830.0	-241.8	-276.9	13.9	113.0	
		-3 m	Cumple	Cumple	26.7	50.1	50.1	G, H, Q, V <sup>(5)</sup>	Q	6505.6	112.6	266.6	19.4	136.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6958.6	50.5	280.9	10.7	25.3	
		Pie	Cumple	Cumple	26.7	50.1	50.1	G, H, Q, V <sup>(5)</sup>	Q	6505.6	112.6	266.6	19.4	136.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6958.6	50.5	280.9	10.7	25.3	
		Sótano -3.80	60x110	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.1	50.1	50.1	G, H, Q, V <sup>(5)</sup>	Q	6505.6	112.6	266.6	19.4
G, H, Q, V <sup>(7)</sup>	N,M									6958.6	50.5	280.9	10.7	25.3	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															

## 1.78. P72

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	60.3	48.2	60.3	G, H, Q, V <sup>(2)</sup>	Q	2375.9	-505.8	-165.6	21.1	219.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2375.9	-505.8	-165.6	21.1	218.9	
		9.53 m	Cumple	Cumple	60.3	50.6	60.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2447.1	540.9	168.5	21.1	219.0	Cumple
		5.85 m	Cumple	Cumple	60.3	50.6	60.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2447.1	540.9	168.5	21.1	219.0	Cumple
		Pie	Cumple	Cumple	60.3	50.6	60.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	2447.1	540.9	168.5	21.1	219.0	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 90	Cabeza	Cumple	Cumple	24.7	37.1	37.1	G, H, Q, V <sup>(3)</sup>	Q	4158.6	-264.8	-144.4	14.0	114.5	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4372.2	-278.4	244.2	-45.9	55.7	
		4.28 m	Cumple	Cumple	24.7	45.0	45.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4261.4	587.7	207.6	14.0	114.5	Cumple
		0.5 m	Cumple	Cumple	24.7	45.0	45.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4261.4	587.7	207.6	14.0	114.5	Cumple
		Pie	Cumple	Cumple	24.7	45.0	45.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4261.4	587.7	207.6	14.0	114.5	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	80x90	Cabeza	Cumple	Cumple	17.9	39.2	39.2	G, H, Q, V <sup>(5)</sup>	Q	5937.1	-219.0	-29.1	14.4	101.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6342.3	-151.2	-169.1	9.8	72.3	
		-1.07 m	Cumple	Cumple	17.9	39.3	39.3	G, H, Q, V <sup>(5)</sup>	Q	6009.3	89.9	160.2	14.4	101.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6479.5	-19.8	-172.8	-9.3	-37.1	
		-3 m	Cumple	Cumple	17.9	39.3	39.3	G, H, Q, V <sup>(5)</sup>	Q	6009.3	89.9	160.2	14.4	101.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6479.5	-19.8	-172.8	-9.3	-37.1	
		Pie	Cumple	Cumple	17.9	39.3	39.3	G, H, Q, V <sup>(5)</sup>	Q	6009.3	89.9	160.2	14.4	101.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6479.5	-19.8	-172.8	-9.3	-37.1	
Sótano -3.80	80x90	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.2	39.3	39.3	G, H, Q, V <sup>(8)</sup>	Q	4669.3	88.2	124.5	15.7	101.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6479.5	-19.8	-172.8	-9.3	-37.1	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(8)</sup> PP+CM+H1+1.05·Qa+1.5·V(-Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.79. P73

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	64.5	47.0	64.5	G, H, Q, V <sup>(2)</sup>	Q	2336.6	-550.0	-116.5	7.9	235.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2336.7	-550.0	-116.5	7.9	235.0	
		9.53 m	Cumple	Cumple	64.5	51.1	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2407.9	573.5	150.7	7.9	235.1	Cumple
		5.85 m	Cumple	Cumple	64.5	51.1	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2407.9	573.5	150.7	7.9	235.1	Cumple
		Pie	Cumple	Cumple	64.5	51.1	64.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	2407.9	573.5	150.7	7.9	235.1	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	26.3	56.8	56.8	G, H, Q, V <sup>(3)</sup>	Q	4041.7	-199.9	-282.3	10.8	95.3	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4271.4	-216.5	-296.6	8.9	73.3	
		4.28 m	Cumple	Cumple	26.3	62.0	62.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4114.4	543.5	230.9	10.8	95.3	Cumple
		0.5 m	Cumple	Cumple	26.3	62.0	62.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4114.4	543.5	230.9	10.8	95.3	Cumple
		Pie	Cumple	Cumple	26.3	62.0	62.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4114.4	543.5	230.9	10.8	95.3	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	50x90	Cabeza	Cumple	Cumple	27.2	67.6	67.6	G, H, V <sup>(5)</sup>	Q	5012.1	212.8	135.4	-12.8	-98.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6158.2	126.9	243.0	-13.6	-57.8	
		-1.07 m	Cumple	Cumple	27.2	67.6	67.6	G, H, V <sup>(5)</sup>	Q	5012.1	212.8	135.4	-12.8	-98.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6158.2	126.9	243.0	-13.6	-57.8	
		-3 m	Cumple	Cumple	27.2	67.6	67.6	G, H, V <sup>(5)</sup>	Q	5012.1	212.8	135.4	-12.8	-98.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6158.2	126.9	243.0	-13.6	-57.8	
		Pie	Cumple	Cumple	27.2	67.6	67.6	G, H, V <sup>(5)</sup>	Q	5057.3	-86.0	-212.5	-12.8	-98.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6204.4	-47.4	-244.2	-13.6	-57.0	
								G, H, V <sup>(5)</sup>	Q	5057.3	-86.0	-212.5	-12.8	-98.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6204.4	-47.4	-244.2	-13.6	-57.0	
Sótano -3.80	50x90	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.2	67.6	67.6	G, H, V <sup>(5)</sup>	Q	5057.3	-86.0	-212.5	-12.8	-98.6	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)															

## 1.80. P74

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	74.2	53.2	74.2	G, H, Q, V <sup>(2)</sup>	Q	2751.2	-591.7	-154.8	9.8	270.7	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2751.2	-591.8	-154.8	9.8	270.7	
		9.53 m	Cumple	Cumple	74.2	60.7	74.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2822.4	702.2	161.6	9.8	270.7	Cumple
		5.85 m	Cumple	Cumple	74.2	60.7	74.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2822.4	702.2	161.6	9.8	270.7	Cumple
		Pie	Cumple	Cumple	74.2	60.7	74.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2822.4	702.2	161.6	9.8	270.7	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	39.5	61.3	61.3	G, H, Q, V <sup>(3)</sup>	Q	4370.8	-335.8	221.2	0.2	144.1	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4557.6	-372.5	272.0	-23.5	83.1	
		4.28 m	Cumple	Cumple	39.5	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4443.5	662.1	223.9	0.2	144.1	Cumple
		0.5 m	Cumple	Cumple	39.5	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4443.5	662.1	223.9	0.2	144.1	Cumple
		Pie	Cumple	Cumple	39.5	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4443.5	662.1	223.9	0.2	144.1	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x120	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.8	64.9	64.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	4443.5	662.3	225.0	0.2	144.1	Cumple
		Cabeza	Cumple	Cumple	24.9	40.4	40.4	G, H, V <sup>(5)</sup>	Q	5366.7	305.5	21.3	-11.2	-140.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6569.8	185.3	131.4	-13.5	-84.0	
		-1.07 m	Cumple	Cumple	24.9	40.4	40.4	G, H, V <sup>(5)</sup>	Q	5366.7	305.5	21.3	-11.2	-140.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6569.8	185.3	131.4	-13.5	-84.0	
		-3 m	Cumple	Cumple	24.9	40.4	40.4	G, H, V <sup>(5)</sup>	Q	5366.7	305.5	21.3	-11.2	-140.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6569.8	185.3	131.4	-13.5	-84.0	
		Pie	Cumple	Cumple	24.9	40.3	40.3	G, H, V <sup>(5)</sup>	Q	5416.9	-120.5	-108.3	-11.2	-140.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6621.0	-68.5	-132.4	-13.5	-83.1	
								G, H, V <sup>(5)</sup>	Q	5416.9	-120.5	-108.3	-11.2	-140.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6621.0	-68.5	-132.4	-13.5	-83.1	
Sótano -3.80	60x120	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.9	40.3	40.3	G, H, V <sup>(5)</sup>	Q	5416.9	-120.5	-108.3	-11.2	-140.6	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·V(+Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.81. P75

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	76.1	52.0	76.1	G, H, Q, V <sup>(2)</sup>	Q	2288.9	-612.8	-122.2	10.0	277.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2288.9	-612.9	-122.2	10.0	277.6	
		9.53 m	Cumple	Cumple	76.1	62.7	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2360.1	714.0	150.4	10.0	277.6	Cumple
		5.85 m	Cumple	Cumple	76.1	62.7	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2360.1	714.0	150.4	10.0	277.6	Cumple
		Pie	Cumple	Cumple	76.1	62.7	76.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	2360.1	714.0	150.4	10.0	277.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	38.8	55.6	55.6	G, H, Q, V <sup>(3)</sup>	Q	3907.2	-291.6	-214.9	8.6	141.4	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4077.7	-342.2	-249.5	20.7	75.6	
		4.28 m	Cumple	Cumple	38.8	66.1	66.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	3979.9	667.8	220.1	8.6	141.4	Cumple
		0.5 m	Cumple	Cumple	38.8	66.1	66.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	3979.9	667.8	220.1	8.6	141.4	Cumple
		Pie	Cumple	Cumple	38.8	66.1	66.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	3979.9	667.8	220.1	8.6	141.4	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	50x90	Cabeza	Cumple	Cumple	35.9	67.0	67.0	G, H, V <sup>(5)</sup>	Q	4899.0	275.8	133.4	-12.4	-130.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6078.2	146.4	241.0	-14.6	-67.7	
		-1.07 m	Cumple	Cumple	35.9	67.0	67.0	G, H, V <sup>(5)</sup>	Q	4899.0	275.8	133.4	-12.4	-130.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6078.2	146.4	241.0	-14.6	-67.7	
		-3 m	Cumple	Cumple	35.9	67.0	67.0	G, H, V <sup>(5)</sup>	Q	4899.0	275.8	133.4	-12.4	-130.3	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	6078.2	146.4	241.0	-14.6	-67.7	
		Pie	Cumple	Cumple	35.9	66.9	66.9	G, H, V <sup>(5)</sup>	Q	4944.1	-119.1	-209.0	-12.4	-130.3	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6124.4	-58.0	-242.2	-14.6	-66.9	
Sótano -3.80	50x90	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.3	66.9	66.9	G, H, V <sup>(5)</sup>	Q	4944.1	-119.1	-209.0	-12.4	-130.3	Cumple
							G, H, Q, V <sup>(7)</sup>	N,M	6124.4	-58.0	-242.2	-14.6	-66.9		
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc. +) <sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc. -) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc. +) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc. +) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc. +)															

## 1.82. P76

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	50x90	Cabeza	Cumple	Cumple	80.6	57.8	80.6	G, H, Q, V <sup>(2)</sup>	Q	2438.3	-674.3	-136.2	9.0	293.8	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	2438.3	-674.4	-136.2	9.0	
		9.53 m	Cumple	Cumple	80.6	63.0	80.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2509.5	729.9	146.3	9.0	293.8	Cumple
		5.85 m	Cumple	Cumple	80.6	63.0	80.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2509.5	729.9	146.3	9.0	293.8	Cumple
		Pie	Cumple	Cumple	80.6	63.0	80.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	2509.5	729.9	146.3	9.0	293.8	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	50x90	Cabeza	Cumple	Cumple	35.2	58.5	58.5	G, H, Q, V <sup>(3)</sup>	Q	4114.7	-231.9	-287.4	5.3	128.2	Cumple
									G, H, Q, V <sup>(4)</sup>	N,M	4332.0	-262.1	299.4	0.8	
		4.28 m	Cumple	Cumple	35.2	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4187.5	677.3	232.0	5.3	128.2	Cumple
		0.5 m	Cumple	Cumple	35.2	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4187.5	677.3	232.0	5.3	128.2	Cumple
		Pie	Cumple	Cumple	35.2	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	4187.5	677.3	232.0	5.3	128.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	50x90	Cabeza	Cumple	Cumple	37.0	68.9	68.9	G, H, V <sup>(5)</sup>	Q	5054.8	284.5	117.8	-3.5	-134.8	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6241.4	167.5	-245.1	3.5	
		-1.07 m	Cumple	Cumple	37.0	68.9	68.9	G, H, V <sup>(5)</sup>	Q	5054.8	284.5	117.8	-3.5	-134.8	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6241.4	167.5	-245.1	3.5	
		-3 m	Cumple	Cumple	37.0	68.9	68.9	G, H, V <sup>(5)</sup>	Q	5054.8	284.5	117.8	-3.5	-134.8	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6241.4	167.5	-245.1	3.5	
		Pie	Cumple	Cumple	37.0	68.6	68.6	G, H, V <sup>(5)</sup>	Q	5099.9	-124.0	-213.8	-3.5	-134.8	Cumple
									G, H, Q, V <sup>(7)</sup>	N,M	6287.6	-69.1	246.2	3.5	
Sótano -3.80	50x90	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	68.6	68.6	G, H, V <sup>(5)</sup>	Q	5099.9	-124.0	-213.8	-3.5	-134.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6287.6	-69.1	246.2	3.5	-77.6	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc. +) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc. -) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc. +) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc. +) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc. +)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.83. P77

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	60x60	Cabeza	Cumple	Cumple	49.7	62.3	62.3	G, H, Q, V <sup>(2)</sup>	Q	2282.5	-420.3	-107.9	10.4	157.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2282.6	-420.3	-107.9	10.4	157.6	
		9.53 m	Cumple	Cumple	49.7	82.7	82.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2339.5	532.0	140.7	10.4	157.6	Cumple
		5.85 m	Cumple	Cumple	49.7	82.7	82.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2339.5	532.0	140.7	10.4	157.6	Cumple
		Pie	Cumple	Cumple	49.7	82.7	82.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2339.5	532.0	140.7	10.4	157.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.5	82.7	82.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	2339.5	532.0	140.7	10.4	157.6	Cumple
		Cabeza	Cumple	Cumple	33.5	71.4	71.4	G, H, Q, V <sup>(3)</sup>	Q	4005.7	-366.2	-185.0	8.8	106.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4232.7	-351.7	-184.6	6.2	86.5	
		0.5 m	Cumple	Cumple	33.5	80.4	80.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	4063.8	478.6	184.3	8.8	106.2	Cumple
		Pie	Cumple	Cumple	33.5	80.4	80.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	4063.8	478.6	184.3	8.8	106.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.3	78.4	78.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	4063.8	478.5	184.2	8.8	106.2	Cumple
								G, H, V <sup>(5)</sup>	Q	5089.2	199.6	150.5	-24.5	-94.6	
		Cabeza	Cumple	Cumple	23.3	62.0	62.0	G, H, Q, V <sup>(6)</sup>	N,M	6265.9	110.7	238.9	-29.0	-51.4	Cumple
								G, H, V <sup>(5)</sup>	Q	5137.3	-87.0	-206.4	-24.5	-94.6	
		-3 m	Cumple	Cumple	23.3	62.1	62.1	G, H, Q, V <sup>(4)</sup>	N,M	6315.1	-44.1	-240.2	-29.0	-50.5	Cumple
								G, H, V <sup>(5)</sup>	Q	5137.3	-87.0	-206.4	-24.5	-94.6	
		Pie	Cumple	Cumple	23.3	62.1	62.1	G, H, Q, V <sup>(4)</sup>	N,M	6315.1	-44.1	-240.2	-29.0	-50.5	Cumple
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.9	62.1	62.1	G, H, V <sup>(5)</sup>	Q	5137.3	-87.0	-206.4	-24.5	-94.6	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	6315.1	-44.1	-240.2	-29.0	-50.5	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)															

## 1.84. P78

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	60x60	Cabeza	Cumple	Cumple	56.8	71.5	71.5	G, H, Q, V <sup>(2)</sup>	Q	2773.1	-483.3	-150.4	10.1	192.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2773.1	-483.3	-150.4	10.1	192.4	
		9.53 m	Cumple	Cumple	56.8	99.2	99.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2830.0	677.1	138.4	10.1	192.4	Cumple
		5.85 m	Cumple	Cumple	56.8	99.2	99.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2830.0	677.1	138.4	10.1	192.4	Cumple
		Pie	Cumple	Cumple	56.8	99.2	99.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2830.0	677.1	138.4	10.1	192.4	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	5.25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.5	99.2	99.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	2830.0	677.1	138.4	10.1	192.4	Cumple
		Cabeza	Cumple	Cumple	47.1	86.9	86.9	G, H, Q, V <sup>(3)</sup>	Q	4214.6	-515.6	210.3	-14.4	159.0	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	4437.5	-516.8	216.9	-16.9	143.8	
		0.5 m	Cumple	Cumple	47.1	91.1	91.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	4272.8	592.7	-192.5	-14.4	159.0	Cumple
Pie	Cumple	Cumple	47.1	91.1	91.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	4272.8	592.7	-192.5	-14.4	159.0	Cumple		
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.4	90.3	90.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	4272.8	593.1	-192.9	-14.4	159.0	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	5885.2	-183.0	183.4	-37.5	88.8	
		Cabeza	Cumple	Cumple	22.8	62.6	62.6	G, H, Q, V <sup>(6)</sup>	N,M	6276.3	-151.6	239.1	-41.9	75.0	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	5933.3	86.1	-229.8	-37.5	88.8	
		-3 m	Cumple	Cumple	22.8	62.9	62.9	G, H, Q, V <sup>(7)</sup>	N,M	6421.6	6.7	-243.0	-47.1	-2.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	5933.3	86.1	-229.8	-37.5	88.8	
		Pie	Cumple	Cumple	22.8	62.9	62.9	G, H, Q, V <sup>(7)</sup>	N,M	6421.6	6.7	-243.0	-47.1	-2.1	Cumple
								G, H, Q, V <sup>(5)</sup>	Q	5933.3	86.1	-229.8	-37.5	88.8	
Sótano -3.80	60x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.8	62.9	62.9	G, H, Q, V <sup>(5)</sup>	Q	5933.3	86.1	-229.8	-37.5	88.8	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6421.6	6.7	-243.0	-47.1	-2.1	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.85. P79

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	60x60	Cabeza	Cumple	Cumple	51.6	62.4	62.4	G, H, Q, V <sup>(2)</sup>	Q	2284.5	-425.6	-98.6	-9.8	163.8	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	2284.6	-425.6	-98.6	-9.8	
		9.53 m	Cumple	Cumple	51.6	89.0	89.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2341.5	556.3	-147.8	-9.8	163.8	Cumple
		5.85 m	Cumple	Cumple	51.6	89.0	89.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2341.5	556.3	-147.8	-9.8	163.8	Cumple
		Pie	Cumple	Cumple	51.6	89.0	89.0	G, H, Q, V <sup>(2)</sup>	Q,N,M	2341.5	556.3	-147.8	-9.8	163.8	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	42.1	79.3	79.3	G, H, Q, V <sup>(3)</sup>	Q	4043.6	-403.6	265.4	-31.0	130.2	Cumple
									G, H, Q, V <sup>(4)</sup>	N,M	4305.6	-381.9	277.2	-34.8	
		4.28 m	Cumple	Cumple	42.1	90.0	90.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4101.8	559.5	-213.9	-31.0	130.2	Cumple
		0.5 m	Cumple	Cumple	42.1	90.0	90.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4101.8	559.5	-213.9	-31.0	130.2	Cumple
		Pie	Cumple	Cumple	42.1	90.0	90.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	4101.8	559.5	-213.9	-31.0	130.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	80x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.2	86.8	86.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	4101.8	559.5	-213.9	-31.0	130.2	Cumple
		Cabeza	Cumple	Cumple	28.5	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q	5698.7	-346.7	88.1	-44.8	120.1	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6107.9	-319.2	97.3	-49.5	
		-1.07 m	Cumple	Cumple	28.5	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q	5698.7	-346.7	88.1	-44.8	120.1	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6107.9	-319.2	97.3	-49.5	
		-3 m	Cumple	Cumple	28.5	63.8	63.8	G, H, Q, V <sup>(5)</sup>	Q	5698.7	-346.7	88.1	-44.8	120.1	Cumple
									G, H, Q, V <sup>(6)</sup>	N,M	6107.9	-319.2	97.3	-49.5	
		Pie	Cumple	Cumple	28.5	61.3	61.3	G, H, Q, V <sup>(5)</sup>	Q	5746.8	236.0	-47.6	-44.8	120.1	Cumple
							G, H, Q, V <sup>(7)</sup>	N,M	6222.0	237.7	-58.0	-54.5	31.4		
Sótano -3.80	80x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	3.7	61.3	61.3	G, H, Q, V <sup>(5)</sup>	Q	5746.8	236.0	-47.6	-44.8	120.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	6222.0	237.7	-58.0	-54.5	31.4	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc. +)															
<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc. +)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc. +)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc. +)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc. +)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc. +)															

## 1.86. P80

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	46.9	69.6	69.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1641.6	-266.6	-145.9	37.5	93.2	Cumple
		9.53 m	Cumple	Cumple	46.9	89.6	89.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1686.3	318.6	175.4	37.5	93.2	Cumple
		5.85 m	Cumple	Cumple	46.9	89.6	89.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1686.3	318.6	175.4	37.5	93.2	Cumple
		Pie	Cumple	Cumple	46.9	89.6	89.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1686.3	318.6	175.4	37.5	93.2	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	40.6	67.0	67.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	3170.6	-312.3	-283.7	62.6	112.9	Cumple
		4.28 m	Cumple	Cumple	40.6	92.3	92.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3228.8	522.5	305.9	62.6	112.9	Cumple
		0.5 m	Cumple	Cumple	40.6	92.3	92.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3228.8	522.5	305.9	62.6	112.9	Cumple
		Pie	Cumple	Cumple	40.6	92.3	92.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	3228.8	522.5	305.9	62.6	112.9	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x80	Cabeza	Cumple	Cumple	94.9	39.0	94.9	G, H, Q, V <sup>(4)</sup>	Q	3451.3	-86.5	-199.3	213.9	344.0	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	3616.3	-5.0	-223.2	241.0	217.7	
								G, H, Q, V <sup>(4)</sup>	Q	3451.3	-86.5	-199.3	213.9	344.0	Cumple
		G, H, Q, V <sup>(5)</sup>	N,M	3616.3	-5.0	-223.2	241.0	217.7							
		Pie	Cumple	Cumple	82.8	18.5	82.8	G, H, Q, V <sup>(6)</sup>	Q	1242.1	4.9	106.4	221.3	145.4	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	1687.8	-5.5	110.1	213.2	100.3	
Sótano -3.80	60x80							Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.3	18.5	18.5	G, H, Q, V <sup>(6)</sup>	Q
G, H, Q, V <sup>(7)</sup>	N,M	1687.8	-5.5	110.1	213.2	100.3									
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Xexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.87. P81

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	60x60	Cabeza	Cumple	Cumple	21.8	43.1	43.1	G, H, V <sup>(2)</sup>	Q	1360.6	-71.8	-52.8	24.5	56.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2234.5	218.1	-147.0	18.7	-42.1	Cumple
		9.53 m	Cumple	Cumple	21.4	55.2	55.2	G, H, V <sup>(2)</sup>	Q	1402.8	257.3	124.6	24.5	56.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2258.7	273.8	228.6	48.6	45.9	Cumple
		5.85 m	Cumple	Cumple	21.4	55.2	55.2	G, H, V <sup>(2)</sup>	Q	1402.8	257.3	124.6	24.5	56.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2258.7	273.8	228.6	48.6	45.9	Cumple
		Pie	Cumple	Cumple	21.4	55.2	55.2	G, H, V <sup>(2)</sup>	Q	1402.8	257.3	124.6	24.5	56.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2258.7	273.8	228.6	48.6	45.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 70	Cabeza	Cumple	Cumple	23.7	62.0	62.0	G, H, V <sup>(5)</sup>	Q	3187.3	-310.7	-176.7	22.9	66.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4017.0	-273.8	-214.7	30.2	34.2	Cumple
		4.28 m	Cumple	Cumple	23.7	62.0	62.0	G, H, V <sup>(5)</sup>	Q	3249.5	267.3	189.9	22.9	66.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4079.2	246.1	236.0	30.2	34.2	Cumple
		0.5 m	Cumple	Cumple	23.7	62.0	62.0	G, H, V <sup>(5)</sup>	Q	3249.5	267.3	189.9	22.9	66.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4079.2	246.1	236.0	30.2	34.2	Cumple
		Pie	Cumple	Cumple	23.7	62.0	62.0	G, H, V <sup>(5)</sup>	Q	3249.5	267.3	189.9	22.9	66.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	4079.2	246.1	236.0	30.2	34.2	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	Cabeza	Cumple	Cumple	46.8	55.0	55.0	G, H, Q, V <sup>(7)</sup>	Q	4748.0	410.5	-55.4	27.7	-203.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5068.5	402.6	-62.7	31.5	-201.1	Cumple
		-1.07 m	Cumple	Cumple	46.8	55.0	55.0	G, H, Q, V <sup>(7)</sup>	Q	4748.0	410.5	-55.4	27.7	-203.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5068.5	402.6	-62.7	31.5	-201.1	Cumple
		-3 m	Cumple	Cumple	46.8	55.0	55.0	G, H, Q, V <sup>(7)</sup>	Q	4748.0	410.5	-55.4	27.7	-203.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5068.5	402.6	-62.7	31.5	-201.1	Cumple
		Pie	Cumple	Cumple	46.8	48.3	48.3	G, H, Q, V <sup>(7)</sup>	Q	4797.2	-205.1	28.5	27.7	-203.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5117.7	-206.7	32.9	31.5	-201.1	Cumple
Sótano -3.80	70x70	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.9	48.3	48.3	G, H, Q, V <sup>(7)</sup>	Q	4797.2	-205.1	28.5	27.7	-203.2	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	5117.7	-206.7	32.9	31.5	-201.1	Cumple

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup>  $PP+CM+1.35 \cdot HI+1.5 \cdot V(+Yexc.-)$

<sup>(3)</sup>  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(-Yexc.-)$

<sup>(4)</sup>  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.+)$

<sup>(5)</sup>  $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot V(+Yexc.-)$

<sup>(6)</sup>  $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.+)$

<sup>(7)</sup>  $1.35 \cdot PP+1.35 \cdot CM+1.35 \cdot HI+1.05 \cdot Qa+1.5 \cdot V(+Yexc.-)$

<sup>(8)</sup>  $1.35 \cdot PP+1.35 \cdot CM+HI+1.5 \cdot Qa+0.9 \cdot V(+Yexc.-)$





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.88. P82

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	60x60	Cabeza	Cumple	Cumple	22.2	37.2	37.2	G, H, V <sup>(2)</sup>	Q	1010.1	-73.1	6.7	-7.0	53.2	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1738.0	190.6	141.0	-41.4	-44.6	
		9.53 m	Cumple	Cumple	21.8	42.9	42.9	G, H, V <sup>(2)</sup>	Q	1052.3	181.4	-26.8	-7.0	53.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1756.3	255.3	-126.1	-14.0	50.7	
		5.85 m	Cumple	Cumple	21.8	42.9	42.9	G, H, V <sup>(2)</sup>	Q	1052.3	181.4	-26.8	-7.0	53.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1756.3	255.3	-126.1	-14.0	50.7	
		Pie	Cumple	Cumple	21.8	42.9	42.9	G, H, V <sup>(2)</sup>	Q	1052.3	181.4	-26.8	-7.0	53.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1756.3	255.3	-126.1	-14.0	50.7	
P. primera +5.35 (-0.1 - 5.25 m)	Diámetro 70	Cabeza	Cumple	Cumple	22.1	57.9	57.9	G, H, Q, V <sup>(5)</sup>	Q	3475.7	-186.8	285.7	-62.7	0.0	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3715.8	-182.0	273.5	-51.4	-4.2	
		4.28 m	Cumple	Cumple	22.1	62.5	62.5	G, H, Q, V <sup>(5)</sup>	Q	3537.9	-189.1	-298.1	-62.7	0.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3587.2	-316.6	-248.2	-44.0	-38.2	
		0.5 m	Cumple	Cumple	22.1	62.5	62.5	G, H, Q, V <sup>(5)</sup>	Q	3537.9	-189.1	-298.1	-62.7	0.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3587.2	-316.6	-248.2	-44.0	-38.2	
		Pie	Cumple	Cumple	22.1	62.5	62.5	G, H, Q, V <sup>(5)</sup>	Q	3537.9	-189.1	-298.1	-62.7	0.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3587.2	-316.6	-248.2	-44.0	-38.2	
P. Baja +0.00 (-3.6 - -0.1 m)	70x70	Cabeza	Cumple	Cumple	52.2	55.7	55.7	G, H, Q, V <sup>(4)</sup>	Q	4579.6	445.4	112.0	-57.7	-221.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4907.3	433.2	125.4	-64.3	-217.0	
		-1.07 m	Cumple	Cumple	52.2	55.7	55.7	G, H, Q, V <sup>(4)</sup>	Q	4579.6	445.4	112.0	-57.7	-221.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4907.3	433.2	125.4	-64.3	-217.0	
		-3 m	Cumple	Cumple	52.2	55.7	55.7	G, H, Q, V <sup>(4)</sup>	Q	4579.6	445.4	112.0	-57.7	-221.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4907.3	433.2	125.4	-64.3	-217.0	
		Pie	Cumple	Cumple	52.2	47.9	52.2	G, H, Q, V <sup>(4)</sup>	Q	4628.7	-224.6	-62.9	-57.7	-221.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4956.4	-224.5	-69.5	-64.3	-217.0	
Sótano -3.80	70x70	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.6	47.9	47.9	G, H, Q, V <sup>(4)</sup>	Q	4628.7	-224.6	-62.9	-57.7	-221.1	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	4956.4	-224.5	-69.5	-64.3	-217.0	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> PP+CM+1.35·HI+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															

## 1.89. P83

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N.M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	63.0	66.7	66.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1001.7	309.8	100.3	-27.8	-136.6	Cumple
		9.53 m	Cumple	Cumple	61.8	99.8	99.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1046.5	-429.2	-119.6	-27.8	-136.6	Cumple
		5.85 m	Cumple	Cumple	61.8	99.8	99.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1046.5	-429.2	-119.6	-27.8	-136.6	Cumple
		Pie	Cumple	Cumple	61.8	99.8	99.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1046.5	-429.2	-119.6	-27.8	-136.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	45.8	84.8	84.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2180.7	535.3	157.0	-18.2	-154.3	Cumple
		4.28 m	Cumple	Cumple	45.8	84.8	84.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2180.7	535.3	157.0	-18.2	-154.3	Cumple
		0.5 m	Cumple	Cumple	45.8	84.8	84.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2180.7	535.3	157.0	-18.2	-154.3	Cumple
		Pie	Cumple	Cumple	45.8	60.8	60.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2238.9	-413.4	-127.3	-18.2	-154.3	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	78.4	22.6	78.4	G, H, Q, V <sup>(4)</sup>	Q	1692.7	-48.6	-31.1	143.3	224.0	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1706.3	-72.9	-13.6	122.7	230.0	
		-1.07 m	Cumple	Cumple	78.4	22.6	78.4	G, H, Q, V <sup>(4)</sup>	Q	1692.7	-48.6	-31.1	143.3	224.0	Cumple
								G, H, Q, V <sup>(2)</sup>	N,M	1706.3	-72.9	-13.6	122.7	230.0	
		Pie	Cumple	Cumple	53.7	9.9	53.7	G, H, V <sup>(5)</sup>	Q	149.4	27.0	3.6	-12.6	79.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	824.3	-16.5	5.8	26.8	-26.9	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	4.4	9.9	9.9	G, H, Q, V <sup>(6)</sup>	Q	358.2	30.2	3.9	-13.1	89.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	824.3	-16.5	5.8	26.8	-26.9	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(5)</sup> PP+CM+1.35·HI+1.5·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.90. P84

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	55.1	65.7	65.7	G, H, Q, V <sup>(2)</sup>	Q	1460.3	344.6	-63.7	0.0	-139.0	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1574.9	347.2	-72.7	2.3	-136.4	
		9.53 m	Cumple	Cumple	55.1	89.2	89.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1505.1	-444.8	-65.7	0.0	-139.0	Cumple
		5.85 m	Cumple	Cumple	55.1	89.2	89.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1505.1	-444.8	-65.7	0.0	-139.0	Cumple
		Pie	Cumple	Cumple	55.1	89.2	89.2	G, H, Q, V <sup>(2)</sup>	Q,N,M	1505.1	-444.8	-65.7	0.0	-139.0	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	51.9	83.8	83.8	G, H, Q, V <sup>(4)</sup>	Q	2780.0	573.2	-134.0	3.4	-176.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2945.7	579.7	-146.7	6.1	-170.4	
		4.28 m	Cumple	Cumple	51.9	83.8	83.8	G, H, Q, V <sup>(4)</sup>	Q	2780.0	573.2	-134.0	3.4	-176.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2945.7	579.7	-146.7	6.1	-170.4	
		0.5 m	Cumple	Cumple	51.9	83.8	83.8	G, H, Q, V <sup>(4)</sup>	Q	2780.0	573.2	-134.0	3.4	-176.1	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	2945.7	579.7	-146.7	6.1	-170.4	
		Pie	Cumple	Cumple	51.9	76.2	76.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2838.1	-535.0	131.1	3.4	-176.1	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	6.9	76.2	76.2	G, H, Q, V <sup>(4)</sup>	Q,N,M	2838.1	-535.0	131.1	3.4	-176.1	Cumple
		Cabeza	Cumple	Cumple	57.6	44.9	57.6	G, H, Q, V <sup>(6)</sup>	Q	2751.2	237.7	16.5	-54.8	-187.6	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	2907.7	238.0	15.8	-51.6	-177.6	
		-3.095 m	Cumple	Cumple	99.7	8.6	99.7	G, H, Q, V <sup>(7)</sup>	Q	573.2	-36.3	3.2	-5.9	-201.5	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	625.4	-33.5	2.9	-4.9	-173.5	
		Pie	Cumple	Cumple	99.3	19.0	99.3	G, H, Q, V <sup>(7)</sup>	Q	579.2	-138.1	0.2	-5.9	-201.5	Cumple
								G, H, Q, V <sup>(9)</sup>	N,M	555.8	-137.1	1.8	1.5	-192.3	
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.5	19.0	19.0	G, H, Q, V <sup>(7)</sup>	Q	579.2	-138.1	0.2	-5.9	-201.5	Cumple
							G, H, Q, V <sup>(9)</sup>	N,M	555.8	-137.1	1.8	1.5	-192.3		
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(9)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)															

## 1.91. P85

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	57.1	64.3	64.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1355.6	336.1	62.2	-1.3	-144.0	Cumple
		9.53 m	Cumple	Cumple	57.1	96.6	96.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1400.3	-468.1	-60.8	-1.3	-144.0	Cumple
		5.85 m	Cumple	Cumple	57.1	96.6	96.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1400.3	-468.1	-60.8	-1.3	-144.0	Cumple
		Pie	Cumple	Cumple	57.1	96.6	96.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1400.3	-468.1	-60.8	-1.3	-144.0	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	61.9	99.1	99.1	G, H, Q, V <sup>(3)</sup>	Q	2728.2	661.2	-145.9	8.0	-209.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2888.7	670.0	-158.0	10.6	-204.8	
		4.28 m	Cumple	Cumple	61.9	99.1	99.1	G, H, Q, V <sup>(3)</sup>	Q	2728.2	661.2	-145.9	8.0	-209.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2888.7	670.0	-158.0	10.6	-204.8	
		0.5 m	Cumple	Cumple	61.9	99.1	99.1	G, H, Q, V <sup>(3)</sup>	Q	2728.2	661.2	-145.9	8.0	-209.9	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	2888.7	670.0	-158.0	10.6	-204.8	
		Pie	Cumple	Cumple	61.9	88.4	88.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2786.4	-607.2	137.3	8.0	-209.9	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	-0.1 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.2	88.4	88.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2786.4	-607.2	137.3	8.0	-209.9	Cumple
		Cabeza	Cumple	Cumple	69.2	52.0	69.2	G, H, Q, V <sup>(5)</sup>	Q	3018.6	302.6	5.8	-22.5	-233.6	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	3180.7	304.7	4.6	-17.9	-225.1	
		-2.59 m	Cumple	Cumple	99.2	12.1	99.2	G, H, Q, V <sup>(6)</sup>	Q	978.6	25.7	3.0	-10.8	-273.9	Cumple
								G, H, Q, V <sup>(7)</sup>	N,M	982.9	25.2	2.7	-9.4	-268.8	
		Pie	Cumple	Cumple	90.6	33.7	90.6	G, H, Q, V <sup>(6)</sup>	Q,N,M	465.1	-174.0	-1.7	-7.3	-250.2	Cumple
		Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.0	33.7	33.7	G, H, Q, V <sup>(6)</sup>	Q,N,M	465.1	-174.0	-1.7	-7.3

Notas:  
(1) La comprobación no procede  
(2) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)  
(3) 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-)  
(4) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)  
(5) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)  
(6) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)  
(7) 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-)



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.92. P86

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	43.1	54.6	54.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1474.6	288.8	79.2	-10.8	-108.3	Cumple
		9.53 m	Cumple	Cumple	43.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1519.4	-354.7	-99.5	-10.8	-108.3	Cumple
		5.85 m	Cumple	Cumple	43.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1519.4	-354.7	-99.5	-10.8	-108.3	Cumple
		Pie	Cumple	Cumple	43.1	68.9	68.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1519.4	-354.7	-99.5	-10.8	-108.3	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	40.8	68.5	68.5	G, H, Q, V <sup>(3)</sup>	Q	2811.7	444.9	162.8	-11.8	-137.9	Cumple
		4.28 m	Cumple	Cumple	40.8	71.0	71.0	G, H, Q, V <sup>(3)</sup>	N,M	2962.1	444.5	161.6	-8.3	-129.5	Cumple
		0.5 m	Cumple	Cumple	40.8	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2869.8	-479.3	-146.5	-11.8	-137.9	Cumple
		Pie	Cumple	Cumple	40.8	71.0	71.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2869.8	-479.3	-146.5	-11.8	-137.9	Cumple
P. Baja +0.00 (-3.6 - -0.1 m)	60x60	Cabeza	Cumple	Cumple	61.2	47.9	61.2	G, H, Q, V <sup>(5)</sup>	Q	2872.5	270.2	-5.7	9.1	-207.2	Cumple
		-1.07 m	Cumple	Cumple	74.0	41.3	74.0	G, H, Q, V <sup>(6)</sup>	N,M	3019.8	269.0	-7.7	15.5	-195.5	Cumple
		-2.59 m	Cumple	Cumple	99.1	12.4	99.1	G, H, Q, V <sup>(6)</sup>	Q	997.0	27.1	2.7	-11.5	-252.0	Cumple
		Pie	Cumple	Cumple	79.9	24.8	79.9	G, H, Q, V <sup>(6)</sup>	N,M	1000.2	26.7	2.4	-10.0	-248.2	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	10.5	24.8	24.8	G, H, Q, V <sup>(6)</sup>	Q,N,M	508.9	-156.5	-2.8	-7.9	-220.7	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.-) <sup>(8)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															

## 1.93. P87

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	84.5	60.5	84.5	G, H, Q, V <sup>(2)</sup>	Q	3616.1	505.1	92.7	-31.8	-287.9	Cumple
		-2.085 m	Cumple	Cumple	95.9	24.8	95.9	G, H, Q, V <sup>(3)</sup>	N,M	3819.1	510.8	93.7	-18.3	-270.1	Cumple
		Pie	Cumple	Cumple	83.1	31.0	83.1	G, H, Q, V <sup>(4)</sup>	Q	1773.2	190.9	1.8	-6.9	-414.8	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	1774.2	191.2	2.1	-8.1	-414.7	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	15.2	31.0	31.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	802.7	-291.3	-0.7	-5.2	-359.6	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.94. P87a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	48.5	51.5	51.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1626.6	347.3	151.1	-32.8	-142.7	Cumple
		9.53 m	Cumple	Cumple	48.5	65.4	65.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1671.3	-473.8	-144.8	-32.8	-142.7	Cumple
		5.85 m	Cumple	Cumple	48.5	65.4	65.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1671.3	-473.8	-144.8	-32.8	-142.7	Cumple
		Pie	Cumple	Cumple	48.5	65.4	65.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1671.3	-473.8	-144.8	-32.8	-142.7	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	58.0	83.9	83.9	G, H, Q, V <sup>(3)</sup>	Q	3256.3	654.0	-175.0	9.7	-201.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3414.4	663.2	-180.5	10.5	-194.9	
		4.28 m	Cumple	Cumple	58.0	83.9	83.9	G, H, Q, V <sup>(3)</sup>	Q	3256.3	654.0	-175.0	9.7	-201.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3414.4	663.2	-180.5	10.5	-194.9	
		0.5 m	Cumple	Cumple	58.0	83.9	83.9	G, H, Q, V <sup>(3)</sup>	Q	3256.3	654.0	-175.0	9.7	-201.2	Cumple
								G, H, Q, V <sup>(4)</sup>	N,M	3414.4	663.2	-180.5	10.5	-194.9	
		Pie	Cumple	Cumple	58.0	78.8	78.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	3314.5	-621.1	165.3	9.7	-201.2	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.6	78.8	78.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	3314.5	-621.1	165.3	9.7	-201.2	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Yexc.-)															

## 1.95. P88

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	49.7	47.7	49.7	G, H, Q, V <sup>(2)</sup>	Q	2888.8	390.7	80.1	-41.6	-165.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3070.7	387.8	80.6	-24.9	-136.7	
		-1.58 m	Cumple	Cumple	95.8	30.4	95.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2056.6	258.3	1.7	-7.1	-328.3	Cumple
		Pie	Cumple	Cumple	65.5	24.2	65.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	674.0	-234.1	-1.9	-5.9	-283.4	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.2	24.2	24.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	674.0	-234.1	-1.9	-5.9	-283.4	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+) 															

## 1.96. P88a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	50.3	49.4	50.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1400.7	364.8	60.9	-6.1	-151.7	Cumple
		9.53 m	Cumple	Cumple	50.3	65.3	65.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-480.1	-88.2	-6.1	-151.7	Cumple
		5.85 m	Cumple	Cumple	50.3	65.3	65.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-480.1	-88.2	-6.1	-151.7	Cumple
		Pie	Cumple	Cumple	50.3	65.3	65.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-480.1	-88.2	-6.1	-151.7	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	53.2	72.3	72.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2693.4	586.0	143.8	-13.2	-184.2	Cumple
		4.28 m	Cumple	Cumple	53.2	72.3	72.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2693.4	586.0	143.8	-13.2	-184.2	Cumple
		0.5 m	Cumple	Cumple	53.2	72.3	72.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2693.4	586.0	143.8	-13.2	-184.2	Cumple
		Pie	Cumple	Cumple	53.2	70.7	70.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2751.6	-555.7	-163.5	-13.2	-184.2	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.9	70.7	70.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2751.6	-555.7	-163.5	-13.2	-184.2	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc.-)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.97. P89

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	55.9	46.3	55.9	G, H, Q, V <sup>(2)</sup>	Q	2776.7	389.4	80.1	-54.9	-183.9	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2945.4	380.0	80.4	-41.2	-154.7	
		-1.58 m	Cumple	Cumple	93.1	29.3	93.1	G, H, Q, V <sup>(3)</sup>	Q,N,M	1981.3	248.5	2.5	-9.8	-319.0	Cumple
		Pie	Cumple	Cumple	64.5	22.8	64.5	G, H, Q, V <sup>(3)</sup>	Q,N,M	664.6	-224.4	-2.4	-9.5	-279.0	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.0	22.8	22.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	664.6	-224.4	-2.4	-9.5	-279.0	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															

## 1.98. P89a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	49.7	48.2	49.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1307.6	353.6	82.5	-15.9	-148.6	Cumple
		9.53 m	Cumple	Cumple	49.5	64.6	64.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1352.3	-469.1	-105.6	-15.9	-148.6	Cumple
		5.85 m	Cumple	Cumple	49.5	64.6	64.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1352.3	-469.1	-105.6	-15.9	-148.6	Cumple
		Pie	Cumple	Cumple	49.5	64.6	64.6	G, H, Q, V <sup>(2)</sup>	Q,N,M	1352.3	-469.1	-105.6	-15.9	-148.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	52.1	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2611.4	564.8	146.5	-15.3	-180.2	Cumple
		4.28 m	Cumple	Cumple	52.1	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2611.4	564.8	146.5	-15.3	-180.2	Cumple
		0.5 m	Cumple	Cumple	52.1	70.2	70.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2611.4	564.8	146.5	-15.3	-180.2	Cumple
		Pie	Cumple	Cumple	52.1	69.9	69.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2669.6	-550.3	-163.6	-15.3	-180.2	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	7.7	69.9	69.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2669.6	-550.3	-163.6	-15.3	-180.2	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35-PP+1.35-CM+1.35-HI+1.05-Qa+1.5-V(-Yexc. +) <sup>(3)</sup> 1.35-PP+1.35-CM+HI+1.05-Oa+1.5-V(-Yexc. +)															

## 1.99. P90

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	55.5	47.3	55.5	G, H, Q, V <sup>(2)</sup>	Q	2859.5	395.9	81.9	-70.1	-177.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	3037.4	384.2	82.8	-56.0	-142.0	
		-1.075 m	Cumple	Cumple	90.0	39.3	90.0	G, H, Q, V <sup>(2)</sup>	Q	2471.7	333.2	2.9	-21.8	-307.8	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2620.1	339.6	2.4	-17.0	-302.3	
	Pie	Cumple	Cumple	63.0	23.7	63.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	658.5	-228.8	-2.4	-9.4	-272.5	Cumple	
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	11.7	23.7	23.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	658.5	-228.8	-2.4	-9.4	-272.5	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.100. P90a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	51.8	49.8	51.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1332.9	367.2	78.6	-14.3	-155.9	Cumple
		9.53 m	Cumple	Cumple	51.8	67.7	67.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1377.7	-492.1	-104.1	-14.3	-155.9	Cumple
		5.85 m	Cumple	Cumple	51.8	67.7	67.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1377.7	-492.1	-104.1	-14.3	-155.9	Cumple
		Pie	Cumple	Cumple	51.8	67.7	67.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1377.7	-492.1	-104.1	-14.3	-155.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	54.8	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2667.9	589.1	152.2	-16.3	-189.5	Cumple
		4.28 m	Cumple	Cumple	54.8	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2667.9	589.1	152.2	-16.3	-189.5	Cumple
		0.5 m	Cumple	Cumple	54.8	73.0	73.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2667.9	589.1	152.2	-16.3	-189.5	Cumple
		Pie	Cumple	Cumple	54.8	72.8	72.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2726.1	-576.4	-168.2	-16.3	-189.5	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.1	72.8	72.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2726.1	-576.4	-168.2	-16.3	-189.5	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc. +)															

## 1.101. P91

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	76.4	49.5	76.4	G, H, Q, V <sup>(2)</sup>	Q	2828.1	439.4	84.9	-45.7	-258.1	Cumple
		-1.58 m	Cumple	Cumple	98.1	30.9	98.1	G, H, Q, V <sup>(3)</sup>	N,M	2984.7	433.2	85.6	-36.6	-239.9	Cumple
								G, H, Q, V <sup>(3)</sup>	Q,N,M	2077.1	262.8	2.3	-10.7	-336.1	Cumple
		Pie	Cumple	Cumple	66.6	25.6	66.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	662.4	-240.0	-1.8	-5.0	-288.4	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.4	25.6	25.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	662.4	-240.0	-1.8	-5.0	-288.4	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc. +)															

## 1.102. P91a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	54.9	53.5	54.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	1426.7	392.6	92.6	-17.8	-164.9	Cumple
		9.53 m	Cumple	Cumple	54.9	71.3	71.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1471.5	-517.7	-114.8	-17.8	-164.9	Cumple
		5.85 m	Cumple	Cumple	54.9	71.3	71.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1471.5	-517.7	-114.8	-17.8	-164.9	Cumple
		Pie	Cumple	Cumple	54.9	71.3	71.3	G, H, Q, V <sup>(2)</sup>	Q,N,M	1471.5	-517.7	-114.8	-17.8	-164.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	56.2	74.3	74.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2756.7	599.0	154.3	-15.8	-194.3	Cumple
		4.28 m	Cumple	Cumple	56.2	75.3	75.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2814.9	-597.8	-171.4	-15.8	-194.3	Cumple
		0.5 m	Cumple	Cumple	56.2	75.3	75.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2814.9	-597.8	-171.4	-15.8	-194.3	Cumple
		Pie	Cumple	Cumple	56.2	75.3	75.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2814.9	-597.8	-171.4	-15.8	-194.3	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.3	75.3	75.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2814.9	-597.8	-171.4	-15.8	-194.3	Cumple
<b>Notas:</b> <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Yexc. +)															



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.103. P92

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	70.0	48.4	70.0	G, H, Q, V <sup>(2)</sup>	Q	2838.1	426.0	79.6	-32.6	-237.7	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	2859.5	431.1	80.1	-32.4	-230.4						
		-1.58 m	Cumple	Cumple	93.7	30.7	93.7	G, H, Q, V <sup>(4)</sup>	Q,N,M	2090.6	258.1	1.9	-7.8	-321.1	Cumple
		Pie	Cumple	Cumple	67.7	24.9	67.7	G, H, Q, V <sup>(4)</sup>	Q	698.8	-236.9	-2.5	-9.8	-292.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	641.1	-232.4	-2.8	-11.2	-288.7	
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.5	24.9	24.9	G, H, Q, V <sup>(4)</sup>	Q	698.8	-236.9	-2.5	-9.8	-292.6	Cumple
							G, H, Q, V <sup>(3)</sup>	N,M	641.1	-232.4	-2.8	-11.2	-288.7		
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$ <sup>(3)</sup> $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$ <sup>(4)</sup> $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.5 \cdot Qa + 0.9 \cdot V(+Yexc. +)$															

## 1.104. P92a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	58.1	56.8	58.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1528.3	419.1	85.7	-13.2	-175.0	Cumple
		9.53 m	Cumple	Cumple	58.1	75.1	75.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1573.0	-548.2	-108.1	-13.2	-175.0	Cumple
		5.85 m	Cumple	Cumple	58.1	75.1	75.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1573.0	-548.2	-108.1	-13.2	-175.0	Cumple
		Pie	Cumple	Cumple	58.1	75.1	75.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1573.0	-548.2	-108.1	-13.2	-175.0	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	57.6	76.0	76.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2855.4	614.7	151.0	-13.1	-199.4	Cumple
		4.28 m	Cumple	Cumple	57.6	77.3	77.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2913.6	-615.8	-170.4	-13.1	-199.4	Cumple
		0.5 m	Cumple	Cumple	57.6	77.3	77.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2913.6	-615.8	-170.4	-13.1	-199.4	Cumple
		Pie	Cumple	Cumple	57.6	77.3	77.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2913.6	-615.8	-170.4	-13.1	-199.4	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.5	77.3	77.3	G, H, Q, V <sup>(3)</sup>	Q,N,M	2913.6	-615.8	-170.4	-13.1	-199.4	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)															

## 1.105. P93

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	71.3	48.7	71.3	G, H, Q, V <sup>(2)</sup>	Q	2786.4	433.4	82.2	-45.9	-240.3	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	2807.9	438.5	82.7	-46.0	-233.0	Cumple
		-1.58 m	Cumple	Cumple	93.3	30.3	93.3	G, H, Q, V <sup>(4)</sup>	Q,N,M	2050.9	256.7	1.4	-6.6	-319.5	Cumple
								G, H, Q, V <sup>(4)</sup>	Q	657.1	-237.4	-1.4	-7.3	-282.4	Cumple
		Pie	Cumple	Cumple	65.3	26.1	65.3	G, H, Q, V <sup>(3)</sup>	N,M	596.6	-233.3	-1.9	-9.1	-279.2	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.1	26.1	26.1	G, H, Q, V <sup>(4)</sup>	Q	657.1	-237.4	-1.4	-7.3	-282.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	596.6	-233.3	-1.9	-9.1	-279.2	
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$															
<sup>(3)</sup> $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.05 \cdot Qa + 1.5 \cdot V(+Yexc. +)$															
<sup>(4)</sup> $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.5 \cdot Qa + 0.9 \cdot V(+Yexc. +)$															





# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.106. P93a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	57.5	54.2	57.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1385.7	401.9	84.1	-14.4	-172.9	Cumple
		9.53 m	Cumple	Cumple	57.5	74.8	74.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1430.4	-543.5	-103.5	-14.4	-172.9	Cumple
		5.85 m	Cumple	Cumple	57.5	74.8	74.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1430.4	-543.5	-103.5	-14.4	-172.9	Cumple
		Pie	Cumple	Cumple	57.5	74.8	74.8	G, H, Q, V <sup>(2)</sup>	Q,N,M	1430.4	-543.5	-103.5	-14.4	-172.9	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	59.5	75.9	75.9	G, H, Q, V <sup>(3)</sup>	Q,N,M	2723.4	622.8	140.6	-11.7	-206.1	Cumple
		4.28 m	Cumple	Cumple	59.5	77.8	77.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2781.6	-628.7	-162.4	-11.7	-206.1	Cumple
		0.5 m	Cumple	Cumple	59.5	77.8	77.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2781.6	-628.7	-162.4	-11.7	-206.1	Cumple
		Pie	Cumple	Cumple	59.5	77.8	77.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2781.6	-628.7	-162.4	-11.7	-206.1	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	8.8	77.8	77.8	G, H, Q, V <sup>(3)</sup>	Q,N,M	2781.6	-628.7	-162.4	-11.7	-206.1	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc. +)															

## 1.107. P94

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	74.2	51.1	74.2	G, H, Q, V <sup>(2)</sup>	Q	2895.4	458.6	84.9	-44.0	-250.7	Cumple
			G, H, Q, V <sup>(3)</sup>	N,M	2916.9	463.7	85.5	-44.0	-243.7	Cumple					
		-1.075 m	Cumple	Cumple	95.0	42.3	95.0	G, H, Q, V <sup>(4)</sup>	Q,N,M	2574.9	404.8	4.5	-13.7	-325.4	Cumple
		Pie	Cumple	Cumple	69.2	31.4	69.2	G, H, Q, V <sup>(4)</sup>	Q	637.8	-256.0	-1.9	-6.6	-299.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	575.7	-250.4	-2.3	-8.2	-294.7	Cumple
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.9	31.4	31.4	G, H, Q, V <sup>(4)</sup>	Q	637.8	-256.0	-1.9	-6.6	-299.5	Cumple
G, H, Q, V <sup>(3)</sup>	N,M	575.7	-250.4	-2.3	-8.2	-294.7									
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															

## 1.108. P94a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	59.5	55.0	59.5	G, H, Q, V <sup>(2)</sup>	Q,N,M	1393.9	408.3	80.2	-12.3	-179.2	Cumple
		9.53 m	Cumple	Cumple	59.5	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1438.6	-567.6	-98.1	-12.3	-179.2	Cumple
		5.85 m	Cumple	Cumple	59.5	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1438.6	-567.6	-98.1	-12.3	-179.2	Cumple
		Pie	Cumple	Cumple	59.5	78.1	78.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1438.6	-567.6	-98.1	-12.3	-179.2	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	64.2	81.0	81.0	G, H, Q, V <sup>(3)</sup>	Q,N,M	2779.6	667.4	136.6	-9.8	-222.7	Cumple
		4.28 m	Cumple	Cumple	64.2	82.7	82.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2837.8	-670.2	-161.7	-9.8	-222.7	Cumple
		0.5 m	Cumple	Cumple	64.2	82.7	82.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2837.8	-670.2	-161.7	-9.8	-222.7	Cumple
		Pie	Cumple	Cumple	64.2	82.7	82.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2837.8	-670.2	-161.7	-9.8	-222.7	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.5	82.7	82.7	G, H, Q, V <sup>(3)</sup>	Q,N,M	2837.8	-670.2	-161.7	-9.8	-222.7	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc. +) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc. +)															



# Comprobaciones E.L.U.

Juzgados de Mostoles

Fecha: 20/06/23

## 1.109. P95

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	78.9	49.7	78.9	G, H, Q, V <sup>(2)</sup>	Q	2864.7	449.7	-69.0	-0.2	-270.4	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	2886.4	454.8	-69.5	0.1	-263.3
		-1.58 m	Cumple	Cumple	94.1	30.6	94.1	G, H, Q, V <sup>(4)</sup>	Q,N,M	2091.0	256.2	1.7	-5.0	-322.3	Cumple
		Pie	Cumple	Cumple	65.5	25.6	65.5	G, H, Q, V <sup>(4)</sup>	Q	684.5	-236.1	-2.2	-4.1	-283.5	Cumple
									G, H, Q, V <sup>(3)</sup>	N,M	614.0	-232.8	-2.5	-5.7	-280.9
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.2	25.6	25.6	G, H, Q, V <sup>(4)</sup>	Q	684.5	-236.1	-2.2	-4.1	-283.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	614.0	-232.8	-2.5	-5.7	-280.9	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V/(+Yexc.+)															
<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(+Yexc.+)															
<sup>(4)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.+)															

## 1.110. P95a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	59.4	54.2	59.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	1400.7	401.2	88.5	-16.3	-178.6	Cumple
		9.53 m	Cumple	Cumple	59.4	79.1	79.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-572.4	-109.4	-16.3	-178.6	Cumple
		5.85 m	Cumple	Cumple	59.4	79.1	79.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-572.4	-109.4	-16.3	-178.6	Cumple
		Pie	Cumple	Cumple	59.4	79.1	79.1	G, H, Q, V <sup>(2)</sup>	Q,N,M	1445.5	-572.4	-109.4	-16.3	-178.6	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	65.7	83.2	83.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2791.3	679.3	148.7	-13.0	-227.5	Cumple
		4.28 m	Cumple	Cumple	65.7	84.6	84.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2849.5	-682.9	-166.4	-13.0	-227.5	Cumple
		0.5 m	Cumple	Cumple	65.7	84.6	84.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2849.5	-682.9	-166.4	-13.0	-227.5	Cumple
		Pie	Cumple	Cumple	65.7	84.6	84.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2849.5	-682.9	-166.4	-13.0	-227.5	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.7	84.6	84.6	G, H, Q, V <sup>(3)</sup>	Q,N,M	2849.5	-682.9	-166.4	-13.0	-227.5	Cumple
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.05·Qa+1.5·V(-Yexc.+)															

## 1.111. P96

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos pésimos						Estado	
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)		Qy (kN)
P. Baja +0.00 (-3.6 - -0.1 m)	50x80	Cabeza	Cumple	Cumple	82.9	19.0	82.9	G, H, Q, V <sup>(2)</sup>	Q	1150.8	-112.7	1.4	12.6	216.6	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	1467.3	-121.7	2.1	19.1	245.9	
		Pie	Cumple	Cumple	35.0	7.2	35.0	G, H, V <sup>(4)</sup>	Q	227.2	20.1	-5.7	-6.0	54.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	642.4	-6.9	-12.8	0.2	-21.6	
Sótano -3.80	50x80	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	2.6	7.2	7.2	G, H, Q, V <sup>(6)</sup>	Q	409.3	21.7	-5.1	-2.6	57.9	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	642.4	-6.9	-12.8	0.2	-21.6	
Notas: <sup>(1)</sup> La comprobación no procede <sup>(2)</sup> $PP+CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$ <sup>(3)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$ <sup>(4)</sup> $PP+CM+1.35\cdot H1+1.5\cdot V(+Yexc.-)$ <sup>(5)</sup> $1.35\cdot PP+1.35\cdot CM+H1+1.05\cdot Qa+1.5\cdot V(-Yexc.+)$ <sup>(6)</sup> $1.35\cdot PP+1.35\cdot CM+1.35\cdot H1+1.05\cdot Qa+1.5\cdot V(+Yexc.-)$															



## 1.112. P96a

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. segunda +10.70 (5.25 - 10.6 m)	Diámetro 60	Cabeza	Cumple	Cumple	66.4	43.9	66.4	G, H, Q, V <sup>(2)</sup>	Q,N,M	970.4	327.0	-31.6	13.6	-174.8	Cumple
		9.53 m	Cumple	Cumple	65.2	70.7	70.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1015.2	-508.4	33.4	13.6	-174.8	Cumple
		5.85 m	Cumple	Cumple	65.2	70.7	70.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1015.2	-508.4	33.4	13.6	-174.8	Cumple
		Pie	Cumple	Cumple	65.2	70.7	70.7	G, H, Q, V <sup>(2)</sup>	Q,N,M	1015.2	-508.4	33.4	13.6	-174.8	Cumple
P. primera +5.35 (-0.1 - 5.25 m)	60x60	Cabeza	Cumple	Cumple	59.7	79.4	79.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2147.0	619.3	-165.5	16.6	-206.6	Cumple
		4.28 m	Cumple	Cumple	59.7	79.4	79.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2147.0	619.3	-165.5	16.6	-206.6	Cumple
		0.5 m	Cumple	Cumple	59.7	79.4	79.4	G, H, Q, V <sup>(3)</sup>	Q,N,M	2147.0	619.3	-165.5	16.6	-206.6	Cumple
		Pie	Cumple	Cumple	59.7	71.2	71.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2205.1	-583.3	109.8	16.6	-206.6	Cumple
Sótano -3.80	60x60	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	9.3	71.2	71.2	G, H, Q, V <sup>(3)</sup>	Q,N,M	2205.1	-583.3	109.8	16.6	-206.6	Cumple
<b>Notas:</b> (1) La comprobación no procede (2) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (-Yexc. +)$ (3) $1.35 \cdot PP + 1.35 \cdot CM + HI + 1.05 \cdot Qa + 1.5 \cdot V (-Yexc. +)$															

## 1.113. P97

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>x</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Casotón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.8	35.2	21.8	4.9	1.2	43.7	4.9	1.2	43.7	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	17.3	8.3	-0.4	0.4	-6.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	17.2	8.3	-0.4	0.5	-6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	9.2	2.6	-2.9	3.8	-1.7	
		Pie	Cumple	Cumple	6.0	37.9	51.3	4.9	1.2	60.0	4.9	1.2	60.0	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	18.0	-8.8	0.6	0.4	-6.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> MV <sub>z</sub>	17.9	-9.0	0.8	0.5	-6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	9.9	-2.0	6.9	3.8	-1.7	
<b>Notas:</b> (1) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.5 \cdot V (-Yexc. -)$ (2) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (-Yexc. -)$ (3) $1.35 \cdot PP + 1.35 \cdot CM + 0.7 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (+Yexc. -)$ (4) $1.35 \cdot PP + 1.35 \cdot CM + 1.35 \cdot HI + 1.05 \cdot Qa + 1.5 \cdot V (+Yexc. +)$																					

## 1.114. P98

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>x</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.4	38.7	23.5	5.1	1.2	48.2	5.1	1.2	48.2	G, H, V <sup>(1)</sup>	N <sub>x</sub>	16.3	-1.3	-2.5	3.1	1.0	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	15.9	-9.1	0.7	-0.6	7.0	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> ,V <sub>y</sub> MV <sub>y</sub>	9.3	-3.6	3.2	-3.9	2.2	
		Pie	Cumple	Cumple	5.7	38.2	52.6	5.1	1.2	62.5	5.1	1.2	62.5	G, H, V <sup>(1)</sup>	N <sub>x</sub>	17.0	1.2	5.6	3.1	1.0	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> MV <sub>z</sub>	16.6	9.0	-0.9	-0.6	7.0	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> ,V <sub>y</sub> MV <sub>y</sub>	10.0	2.3	-7.1	-3.9	2.2	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> M <sub>z</sub>	10.0	2.3	-7.1	-3.9	2.2	

Notas:

<sup>(1)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.5 V (+Xexc. -)

<sup>(2)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V (+Yexc. +)

<sup>(3)</sup> 1.35 PP + 1.35 CM + 0.7 HI + 1.05 Qa + 1.5 V (-Xexc. +)

<sup>(4)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V (-Yexc. -)

## 1.115. P99

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>x</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casotón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	10.5	39.0	21.9	5.3	1.1	51.8	5.3	1.1	51.8	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	31.7	2.0	-1.6	2.0	-1.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , M, V <sub>z</sub>	30.9	9.2	0.4	-0.3	-7.3	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	30.8	0.7	-2.9	3.6	-0.6	
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> , M, V <sub>y</sub>	24.3	3.6	2.9	-3.6	-2.5	
														G, H, Q, V <sup>(5)</sup>	NM <sub>y</sub> M <sub>z</sub>	30.9	9.2	0.4	-0.3	-7.3	
		Pie	Cumple	Cumple	10.8	41.3	48.8	5.3	1.1	67.2	5.3	1.1	67.2	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	32.4	-2.2	3.6	2.0	-1.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , M, V <sub>z</sub>	31.6	-9.7	-0.4	-0.3	-7.3	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> , V <sub>y</sub> , M, V <sub>y</sub>	25.0	-3.0	-6.6	-3.6	-2.5	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> M <sub>z</sub>	25.0	-3.0	-6.6	-3.6	-2.5	
Notas: (1) 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V(+Yexc.+) (2) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) (3) 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(+Yexc.-) (4) 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(-Yexc.-) (5) 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(-Yexc.+) (6) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.-)																					



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.116. P100

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos pésimos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>x</sub> (%)	V <sub>y</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	M <sub>x</sub> V <sub>x</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.2	38.7	23.5	5.1	1.2	48.0	5.1	1.2	48.0	G, H, V <sup>(1)</sup>	N <sub>c</sub>	15.5	-1.3	2.5	-3.1	1.0	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> , V <sub>x</sub> , NM <sub>x</sub> , M <sub>y</sub> , M <sub>x</sub> V <sub>x</sub>	15.4	-9.1	-0.7	0.6	7.0	
														G, H, Q, V <sup>(3)</sup>	M <sub>y</sub> , V <sub>y</sub> , M <sub>x</sub> V <sub>y</sub>	8.4	-3.6	-3.2	3.9	2.3	
														G, H, V <sup>(1)</sup>	N <sub>c</sub>	16.2	1.3	-5.7	-3.1	1.0	
		Pie	Cumple	Cumple	5.4	38.6	51.6	5.1	1.2	61.9	5.1	1.2	61.9	G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> , V <sub>x</sub> , M <sub>x</sub> V <sub>x</sub>	16.1	9.1	0.8	0.6	7.0	Cumple
														G, H, Q, V <sup>(3)</sup>	M <sub>y</sub> , V <sub>y</sub> , M <sub>x</sub> V <sub>y</sub>	9.1	2.4	7.0	3.9	2.3	
														G, H, Q, V <sup>(4)</sup>	NM <sub>x</sub> , M <sub>y</sub>	9.1	2.4	7.0	3.9	2.3	
Notas: (1) 1.35 PP+1.35 CM+1.35 HI+1.5 V(-Xexc.-) (2) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Yexc.-) (3) 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(+Xexc.-) (4) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.-)																					

## 1.117. P101

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>símos</sub>						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN-m)	M <sub>yy</sub> (kN-m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	10.8	39.4	22.1	5.4	1.2	52.3	5.4	1.2	52.3	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	32.5	6.6	-0.2	0.1	-5.2	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> , M <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	32.0	9.3	-0.4	0.3	-7.3	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> , V <sub>y</sub> , M <sub>y</sub> V <sub>y</sub>	31.6	0.7	3.0	-3.7	-0.7	
														G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	33.2	-6.9	0.1	0.1	-5.2	
		Pie	Cumple	Cumple	11.1	41.8	49.6	5.4	1.2	67.0	5.4	1.2	67.0	G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	32.7	-9.9	0.3	0.3	-7.3	Cumple
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> , V <sub>y</sub> , M <sub>y</sub> V <sub>y</sub>	32.3	-1.1	-6.7	-3.7	-0.7	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> , M <sub>z</sub>	25.8	-3.1	6.4	3.6	-2.6	

Notas:  
<sup>(1)</sup> 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(-Yexc.-)  
<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.-)  
<sup>(3)</sup> 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Yexc.-)  
<sup>(4)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Yexc.-)

## 1.118. P102

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>simos</sub>							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN-m)	M <sub>yy</sub> (kN-m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.3	35.0	21.9	4.8	1.2	43.0	4.8	1.2	43.0	G, H, V <sup>(1)</sup>	N <sub>c</sub>	16.0	8.2	0.4	-0.4	-6.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , NM <sub>y</sub> , M <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	15.9	8.3	0.4	-0.4	-6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	14.9	-0.5	-2.9	3.5	0.2	
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> , M <sub>y</sub> V <sub>y</sub>	8.4	2.5	2.9	-3.7	-1.7	
		Pie	Cumple	Cumple	5.6	37.7	50.3	4.8	1.2	58.9	4.8	1.2	58.9	G, H, V <sup>(1)</sup>	N <sub>c</sub>	16.7	-8.8	-0.6	-0.4	-6.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> , M <sub>y</sub> V <sub>z</sub>	16.6	-8.9	-0.7	-0.4	-6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> , V <sub>y</sub> , M <sub>y</sub> V <sub>y</sub>	9.1	-2.0	-6.8	-3.7	-1.7	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> , M <sub>z</sub>	9.1	-2.0	-6.8	-3.7	-1.7	
<b>Notas:</b> (1) 1.35 PP+1.35 CM+1.35 HI+1.5 V(-Yexc.-) (2) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.-) (3) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.-) (4) 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Yexc.-) (5) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.-)																					

## 1.119. P103

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 240 B	Cabeza	Cumple	Cumple	5.4	12.5	26.7	7.7	2.4	39.1	7.7	2.4	39.1	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub> ,V <sub>z</sub> ,NM <sub>y</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	-145.5	25.5	-30.3	27.6	-37.4	Cumpl
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub>	-95.3	-33.2	-25.7	22.8	25.0	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> ,V <sub>y</sub> ,MV <sub>y</sub>	-130.9	-4.0	-33.6	30.3	-7.1	
		Pie	Cumple	Cumple	5.3	25.2	32.8	7.7	2.4	60.5	7.7	2.4	60.5	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub> ,M <sub>y</sub> ,V <sub>z</sub> ,NM <sub>y</sub> ,M <sub>z</sub> ,MV <sub>z</sub>	-142.8	-67.0	37.7	27.6	-37.4	Cumpl
														G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> ,V <sub>y</sub> ,MV <sub>y</sub>	-128.2	-21.5	41.3	30.3	-7.1	
														G, H, Q, V <sup>(3)</sup>	M <sub>y</sub> ,V <sub>z</sub> ,MV <sub>z</sub>						
Notas: <sup>(1)</sup> 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Yexc.-) <sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Yexc.-) <sup>(3)</sup> 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(-Yexc.-)																					



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.120. P104

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN-m)	Myy (kN-m)	Qx (kN)	Qy (kN)	
Caseton ascensor +35.07 (32.2 - 34.97 m)	HE 240 B	Cabeza	Cumple	Cumple	5.2	12.6	26.3	7.7	2.4	38.1	7.7	2.4	38.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	-139.0	25.8	29.2	-26.0	-37.2	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>y</sub>	-90.3	-33.4	25.7	-22.5	25.3										
		Pie	Cumple	Cumple	5.1	24.9	31.4	7.7	2.4	57.8	7.7	2.4	57.8	G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	-124.9	-3.9	33.1	-29.4	-6.8	Cumple
					G, H, Q, V <sup>(4)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	-136.3	-66.1	-35.0	-26.0	-37.2										
					G, H, Q, V <sup>(5)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	-122.1	-20.8	-39.5	-29.4	-6.8										
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V(-Yexc.+)																					

## 1.121. P105

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN-m)	M <sub>yy</sub> (kN-m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 240 B	Cabeza	Cumple	Cumple	6.3	14.1	34.4	8.6	1.7	52.0	8.6	1.7	52.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	145.1	37.6	40.7	-18.8	-41.6	Cumpl
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	122.7	6.5	43.3	-20.3	-7.9										
					G, H, V <sup>(3)</sup>	V <sub>y</sub> MV <sub>y</sub>	110.0	6.4	41.4	-21.3	-7.7										
		Pie	Cumple	Cumple	6.4	24.6	8.8	8.6	1.7	37.0	8.6	1.7	37.0	G, H, Q, V <sup>(4)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> MV <sub>z</sub>	147.8	-65.3	-5.6	-18.8	-41.6	Cumpl
					G, H, V <sup>(5)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	112.8	-12.5	-11.1	-21.3	-7.7										
					G, H, V <sup>(6)</sup>	NM <sub>y</sub> M <sub>z</sub>	135.0	-64.3	-9.8	-19.7	-41.1										
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-) <sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.-)																					

## 1.122. P106

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>símos</sub>							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 240 B	Cabeza	Cumple	Cumple	6.3	14.5	34.1	8.6	1.7	52.1	8.6	1.7	52.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	146.2	38.6	-40.4	18.5	-41.7	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	123.3	7.1	-42.9	20.4	-7.9										
					G, H, V <sup>(3)</sup>	V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	110.5	6.9	-41.1	21.3	-7.6										
					G, H, Q, V <sup>(4)</sup>	N <sub>t</sub> M <sub>y</sub> V <sub>z</sub> MV <sub>z</sub>	148.9	-64.3	5.3	18.5	-41.7										
		Pie	Cumple	Cumple	6.4	24.2	9.1	8.6	1.7	36.3	8.6	1.7	36.3	G, H, V <sup>(5)</sup>	M <sub>z</sub>	131.9	-54.8	11.5	20.8	-35.1	Cumple
					G, H, V <sup>(6)</sup>	V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	113.3	-12.0	11.4	21.3	-7.6										
					G, H, V <sup>(7)</sup>	NM <sub>y</sub> M <sub>z</sub>	135.9	-63.4	9.3	19.4	-41.1										

Notas:

<sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)

## 1.123. P107

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>simos</sub>							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	4.1	37.8	24.5	5.0	1.3	46.5	5.0	1.3	46.5	G, H, V <sup>(1)</sup>	N <sub>t</sub>	12.3	-8.6	0.7	-0.7	6.6	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	11.0	-8.9	0.8	-0.9	6.8										
					G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	3.9	-3.3	3.3	-4.2	2.1										
					G, H, V <sup>(4)</sup>	N <sub>t</sub>	13.0	8.6	-1.2	-0.7	6.6										
		Pie	Cumple	Cumple	4.3	36.9	57.6	5.0	1.3	65.8	5.0	1.3	65.8	G, H, Q, V <sup>(5)</sup>	M <sub>y</sub> V <sub>z</sub> MV <sub>z</sub>	11.7	8.7	-1.6	-0.9	6.8	Cumple
					G, H, Q, V <sup>(6)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	4.6	2.0	-7.8	-4.2	2.1										
					G, H, Q, V <sup>(7)</sup>	NM <sub>y</sub> M <sub>z</sub>	4.6	2.0	-7.8	-4.2	2.1										

Notas:

<sup>(1)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+)

<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(3)</sup> 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V(-Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Yexc.+)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(+Yexc.+)

<sup>(7)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·V(-Yexc.-)



**1.128. P112**

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones											Esfuerzos p <sub>simos</sub>						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)	M <sub>t</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturalaleza	Comp.	N (kN)	M <sub>xx</sub> (kN-m)	M <sub>yy</sub> (kN-m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	10.6	39.1	21.8	5.3	1.1	51.9	5.3	1.1	51.9	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	31.8	2.0	-1.6	2.0	-1.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> , V <sub>z</sub> , NM <sub>t</sub> , M <sub>z</sub> , M, V <sub>z</sub>	30.9	9.2	0.4	-0.3	-7.3	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	30.9	0.7	-2.9	3.6	-0.6	
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> , M, V <sub>y</sub>	24.3	3.6	2.9	-3.6	-2.5	
		Pie	Cumple	Cumple	10.8	41.1	48.9	5.3	1.1	67.1	5.3	1.1	67.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	32.5	-2.1	3.6	2.0	-1.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> , V <sub>z</sub> , M, V <sub>z</sub>	31.6	-9.7	-0.4	-0.3	-7.3	
														G, H, Q, V <sup>(4)</sup>	M <sub>z</sub> , V <sub>y</sub> , NM <sub>t</sub> , M <sub>z</sub> , M, V <sub>y</sub>	25.1	-3.0	-6.6	-3.6	-2.5	

Notas:

<sup>(1)</sup> 1.35 PP + 1.35 CM + 0.7 HI + 1.5 Qa + 0.9 V (+ Xexc. +)

<sup>(2)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V (- Yexc. -)

<sup>(3)</sup> 1.35 PP + 1.35 CM + 0.7 HI + 1.05 Qa + 1.5 V (+ Xexc. +)

<sup>(4)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V (- Yexc. -)

### 1.129. P113

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_{cr}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	V <sub>t</sub> (%)	V <sub>r</sub> (%)	N <sub>m</sub> ,M <sub>t</sub> (%)	M <sub>V<sub>t</sub></sub> (%)	M <sub>V<sub>r</sub></sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN-m)	M <sub>yy</sub> (kN-m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)		
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.1	38.0	23.4	5.0	1.2	47.1	5.0	1.2	47.1	G, H, V <sup>(1)</sup>	N <sub>t</sub>	15.2	-1.2	2.5	-3.1	0.9	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> , V <sub>m</sub> ,M <sub>t</sub> ,M <sub>V<sub>t</sub></sub>	14.6	-9.0	-0.7	0.6	6.8										
					G, H, Q, V <sup>(3)</sup>	M <sub>t</sub> ,V <sub>t</sub> ,M <sub>V<sub>t</sub></sub>	8.1	-3.5	-3.2	3.9	2.2										
					G, H, V <sup>(4)</sup>	N <sub>t</sub>	16.0	1.1	-5.6	-3.1	0.9										
		Pie	Cumple	Cumple	5.3	37.4	52.2	5.0	1.2	61.5	5.0	1.2	61.5	G, H, Q, V <sup>(1)</sup>	M <sub>t</sub> ,V <sub>m</sub> ,M <sub>V<sub>t</sub></sub>	15.3	8.8	0.9	0.6	6.8	Cumple
					G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> ,V <sub>t</sub> ,M <sub>V<sub>t</sub></sub>	8.8	2.2	7.0	3.9	2.2										
					G, H, Q, V <sup>(3)</sup>	N <sub>m</sub> ,M <sub>t</sub>	8.8	2.2	7.0	3.9	2.2										
					G, H, Q, V <sup>(4)</sup>																

Notas:

<sup>(1)</sup> 1.35 PP+1.35 CM+1.35 H1+1.5 V(-Xexc-)

<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 H1+1.05 Qa+1.5 V(+Yexc-)

<sup>(3)</sup> 1.35 PP+1.35 CM+0.7 H1+1.05 Qa+1.5 V(+Xexc-)

<sup>(4)</sup> 1.35 PP+1.35 CM+1.35 H1+1.5 V(-Yexc-)

### 1.130. P114

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)	M <sub>t</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	11.0	38.8	22.1	5.3	1.1	51.8	5.3	1.1	51.8	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	33.1	1.9	1.7	-2.0	-1.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	32.1	9.2	-0.4	0.3	-7.2	
														G, H, Q, V <sup>(3)</sup>	M <sub>t</sub> V <sub>z</sub> M <sub>t</sub> V <sub>y</sub>	32.2	0.6	3.0	-3.7	-0.5	
														G, H, Q, V <sup>(4)</sup>	N <sub>t</sub>	33.8	-1.9	-3.6	-2.0	-1.5	
		Pie	Cumple	Cumple	11.3	40.3	48.8	5.3	1.1	66.7	5.3	1.1	66.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	32.8	-9.5	0.4	0.3	-7.2	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	32.8	-9.5	0.4	0.3	-7.2	
														G, H, Q, V <sup>(3)</sup>	M <sub>t</sub> V <sub>z</sub> M <sub>t</sub> V <sub>y</sub>	32.9	-0.7	-6.6	-3.7	-0.5	
														G, H, Q, V <sup>(4)</sup>	NM <sub>t</sub> M <sub>z</sub>	26.2	-2.8	6.5	3.6	-2.5	
<b>Notas:</b>																					
<sup>(1)</sup> 1.35 PP+1.35 CM+0.7 H1+1.5 Qa+0.9 V (-Yexc.+)																					
<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 H1+1.05 Qa+1.5 V (-Yexc.)																					
<sup>(3)</sup> 1.35 PP+1.35 CM+0.7 H1+1.05 Qa+1.5 V (-Yexc.)																					
<sup>(4)</sup> 1.35 PP+1.35 CM+0.7 H1+1.05 Qa+1.5 V (-Yexc.)																					

### 1.131. P115

[illegible]





# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.132. P116

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos pésimos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>x</sub> (%)	V <sub>y</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	MV <sub>x</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.4	38.5	27.8	5.1	1.3	48.8	5.1	1.3	48.8	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	16.2	-1.5	2.8	-3.2	1.1	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> V <sub>x</sub> NM <sub>x</sub> M <sub>y</sub> M <sub>x</sub> V <sub>y</sub>	15.6	-9.1	-0.8	0.7	6.9	
														G, H, Q, V <sup>(3)</sup>	M <sub>x</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	8.9	-3.6	-3.7	4.1	2.3	
														G, H, Q, V <sup>(4)</sup>	N <sub>c</sub>	16.9	1.3	-5.5	-3.2	1.1	
		Pie	Cumple	Cumple	5.6	38.0	52.4	5.1	1.3	62.3	5.1	1.3	62.3	G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> V <sub>x</sub> M <sub>x</sub> V <sub>x</sub>	16.3	9.0	0.9	0.7	6.9	Cumple
														G, H, Q, V <sup>(3)</sup>	M <sub>x</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	9.6	2.3	7.1	4.1	2.3	
														G, H, Q, V <sup>(4)</sup>	NM <sub>x</sub> M <sub>y</sub>	9.6	2.3	7.1	4.1	2.3	

Notas:

<sup>(1)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Xexc.-)

<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.-)

<sup>(3)</sup> 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(+Xexc.-)

<sup>(4)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.-)

## 1.133. P117

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	M <sub>y</sub> V <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	10.7	38.7	25.8	5.3	1.2	52.4	5.3	1.2	52.4	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	32.1	1.9	1.8	-2.1	-1.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	31.1	9.1	-0.5	0.4	-7.2	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	24.4	3.6	-3.5	3.8	-2.5	
														G, H, Q, V <sup>(4)</sup>	V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	31.4	0.6	3.4	-3.8	-0.6	
		Pie	Cumple	Cumple	10.9	41.1	49.0	5.3	1.2	67.1	5.3	1.2	67.1	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub>	32.8	-2.1	-3.6	-2.1	-1.5	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	31.8	-9.7	0.4	0.4	-7.2	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	32.1	-1.0	-6.6	-3.8	-0.6	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> M <sub>z</sub>	25.1	-3.0	6.5	3.8	-2.5	
<b>Notas:</b> (1) 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(-Xexc.-) (2) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Xexc.-) (3) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.-) (4) 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Xexc.-)																					

## 1.134. P118

Sección de acero laminado																					
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 100 B	Cabeza	Cumple	Cumple	5.6	35.1	20.7	4.9	1.1	43.5	4.9	1.1	43.5	G, H, V <sup>(1)</sup>	N <sub>c</sub>	16.9	8.3	0.4	-0.4	-6.6	Cumple
														G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	16.8	8.3	0.4	-0.5	-6.6	
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	8.6	2.5	2.8	-3.6	-1.7	
														G, H, V <sup>(1)</sup>	N <sub>c</sub>	17.6	-8.9	-0.6	-0.4	-6.6	
		Pie	Cumple	Cumple	5.9	38.0	48.5	4.9	1.1	57.1	4.9	1.1	57.1	G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	17.5	-9.0	-0.7	-0.5	-6.6	Cumple
														G, H, Q, V <sup>(3)</sup>	M <sub>z</sub> V <sub>y</sub> M <sub>y</sub> V <sub>y</sub>	9.3	-2.0	-6.5	-3.6	-1.7	
														G, H, Q, V <sup>(4)</sup>	NM <sub>y</sub> M <sub>z</sub>	9.3	-2.0	-6.5	-3.6	-1.7	

Notas:

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## 1.135. P119

Sección de acero laminado																												
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado									
			$\bar{\lambda}$	$\lambda_w$	N <sub>c</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	V <sub>y</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)							
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 200 B	Cabeza	Cumple	Cumple	5.2	33.4	29.9	9.3	1.4	60.8	9.3	1.4	60.8	G, H, Q, V <sup>(1)</sup>	N <sub>c</sub> M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> MV <sub>z</sub>	85.7	-52.5	20.4	-9.5	34.9	Cumple							
														G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	70.7	-25.1	23.9	-12.7	11.4								
														G, H, V <sup>(3)</sup>	V <sub>y</sub> MV <sub>y</sub>	63.8	-21.7	23.0	-13.0	10.6								
														G, H, Q, V <sup>(4)</sup>	N <sub>c</sub> V <sub>z</sub> MV <sub>z</sub>	87.7	35.8	-3.6	-9.5	34.9								
		Pie	Cumple	Cumple	5.4	23.6	12.4	9.3	1.4	34.2	9.3	1.4	34.2	G, H, V <sup>(1)</sup>	M <sub>z</sub> NM <sub>y</sub> M <sub>z</sub>	80.7	37.1	-5.3	-9.8	34.0	Cumple							
														G, H, V <sup>(2)</sup>	M <sub>z</sub> V <sub>y</sub> MV <sub>y</sub>	65.9	5.3	-9.9	-13.0	10.6								
<b>Notas:</b> (1) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.-) (2) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Xexc.-) (3) 1.35 PP+1.35 CM+1.35 HI+1.5 V(-Xexc.-) (4) 1.35 PP+1.35 CM+1.35 HI+1.5 V(+Xexc.-)																												



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.136. P121

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
P. cubierta +32.30 (28.6 - 32.85 m)	40x40	Cabeza	Cumple	Cumple	61.6	72.3	72.3	G, H, Q, V <sup>(2)</sup>	Q	917.3	-82.8	167.0	-108.7	27.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	893.3	-98.5	161.5	-105.7	37.2	
		31.35 m	Cumple	Cumple	61.6	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q	934.5	64.2	-243.8	-108.7	27.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	910.5	78.6	-238.0	-105.7	37.2	
		29.2 m	Cumple	Cumple	61.6	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q	934.5	64.2	-243.8	-108.7	27.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	910.5	78.6	-238.0	-105.7	37.2	
		Pie	Cumple	Cumple	61.6	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q	934.5	64.2	-243.8	-108.7	27.5	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	910.5	78.6	-238.0	-105.7	37.2	
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.3	92.9	92.9	G, H, Q, V <sup>(2)</sup>	Q,N,M	910.5	78.6	-238.0	-105.7	37.2	Cumple
		Cabeza	Cumple	Cumple	84.2	84.3	84.3	G, H, Q, V <sup>(4)</sup>	Q	1034.2	67.9	292.9	-181.7	-38.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1028.0	83.0	284.7	-177.2	-47.6	
		27.65 m	Cumple	Cumple	84.2	84.3	84.3	G, H, Q, V <sup>(4)</sup>	Q	1034.2	67.9	292.9	-181.7	-38.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1028.0	83.0	284.7	-177.2	-47.6	
		25.6 m	Cumple	Cumple	84.2	84.3	84.3	G, H, Q, V <sup>(4)</sup>	Q	1034.2	67.9	292.9	-181.7	-38.7	Cumple
								G, H, Q, V <sup>(5)</sup>	N,M	1028.0	83.0	284.7	-177.2	-47.6	
		Pie	Cumple	Cumple	84.2	76.6	84.2	G, H, Q, V <sup>(4)</sup>	Q	1055.3	-54.1	-279.3	-181.7	-38.7	Cumple
G, H, Q, V <sup>(5)</sup>	N,M							1049.2	-67.0	-273.4	-177.2	-47.6			
P. sexta +25.10 (21.4 - 25 m)	45x45	25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	15.5	76.6	76.6	G, H, Q, V <sup>(4)</sup>	Q	1055.3	-54.1	-279.3	-181.7	-38.7	Cumple
		Cabeza	Cumple	Cumple	69.5	64.9	69.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1148.6	27.2	252.0	-152.7	-13.2	Cumple
								G, H, Q, V <sup>(4)</sup>	Q,N,M	1169.7	-14.3	-229.1	-152.7	-13.2	
		Pie	Cumple	Cumple	69.5	57.1	69.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1169.7	-14.3	-229.1	-152.7	-13.2	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	96.2	77.9	96.2	G, H, Q, V <sup>(4)</sup>	Q	1240.8	37.7	364.4	-249.8	-37.7	Cumple
		20.45 m	Cumple	Cumple	96.2	97.5	97.5	G, H, Q, V <sup>(6)</sup>	N,M	1149.1	39.8	355.0	-240.3	-37.9	Cumple
		18.4 m	Cumple	Cumple	96.2	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1266.8	-81.0	-422.4	-249.8	-37.7	Cumple
		Pie	Cumple	Cumple	96.2	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1266.8	-81.0	-422.4	-249.8	-37.7	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	17.8 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	16.6	97.5	97.5	G, H, Q, V <sup>(4)</sup>	Q,N,M	1266.8	-81.0	-422.4	-249.8	-37.7	Cumple
		Cabeza	Cumple	Cumple	32.5	40.8	40.8	G, H, Q, V <sup>(7)</sup>	Q	1307.0	-4.5	97.0	68.3	51.2	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	1234.9	5.8	206.1	-31.3	41.7	
		Pie	Cumple	Cumple	32.5	78.7	78.7	G, H, Q, V <sup>(7)</sup>	Q,N,M	1333.1	156.7	312.1	68.3	51.2	Cumple
Sótano -3.80	50x50	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.5	78.7	78.7	G, H, Q, V <sup>(7)</sup>	Q,N,M	1333.1	156.7	312.1	68.3	51.2	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(-Xexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+HI+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Xexc.-)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(-Yexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Xexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+HI+1.05·Oa+1.5·V(+Xexc.-)															

Notas:

<sup>(1)</sup> La comprobación no procede

<sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(-Xexc.-)

<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)

<sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Xexc.-)

<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(-Yexc.-)

<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)

<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Xexc.-)



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.137. P122

Sección de hormigón															
Tramo	Dimensión (cm)	Posición	Comprobaciones					Esfuerzos p <sub>s</sub> imos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
P. cubierta +32.30 (28.6 - 32.85 m)	40x40	Cabeza	Cumple	Cumple	61.5	72.9	72.9	G, H, Q, V <sup>(2)</sup>	Q	874.4	-87.8	-165.9	107.1	32.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	852.6	-102.2	-159.1	103.2	41.3	
		31.35 m	Cumple	Cumple	61.5	92.7	92.7	G, H, Q, V <sup>(2)</sup>	Q	891.6	72.4	237.0	107.1	32.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	869.8	85.5	229.7	103.2	41.3	
		29.2 m	Cumple	Cumple	61.5	92.7	92.7	G, H, Q, V <sup>(2)</sup>	Q	891.6	72.4	237.0	107.1	32.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	869.8	85.5	229.7	103.2	41.3	
		Pie	Cumple	Cumple	61.5	92.7	92.7	G, H, Q, V <sup>(2)</sup>	Q	891.6	72.4	237.0	107.1	32.4	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	869.8	85.5	229.7	103.2	41.3	
P. séptima +28.70 (25 - 28.6 m)	45x45	28.6 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	12.3	92.7	92.7	G, H, Q, V <sup>(4)</sup>	Q	874.9	83.8	231.1	103.9	40.1	Cumple
								G, H, Q, V <sup>(3)</sup>	N,M	869.8	85.5	229.7	103.2	41.3	
		Cabeza	Cumple	Cumple	71.7	71.4	71.7	G, H, Q, V <sup>(5)</sup>	Q	1013.6	52.4	-258.1	155.6	-27.9	Cumple
								G, H, Q, V <sup>(6)</sup>	N,M	924.5	80.0	-239.6	145.2	-43.1	
		25.6 m	Cumple	Cumple	71.7	66.5	71.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1035.4	-38.3	247.5	155.6	-27.9	Cumple
								G, H, Q, V <sup>(5)</sup>	Q,N,M	1035.4	-38.3	247.5	155.6	-27.9	
		Pie	Cumple	Cumple	71.7	66.5	71.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1035.4	-38.3	247.5	155.6	-27.9	Cumple
								G, H, Q, V <sup>(5)</sup>	Q,N,M	1035.4	-38.3	247.5	155.6	-27.9	
P. sexta +25.10 (21.4 - 25 m)	45x45	25 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	13.2	66.5	66.5	G, H, Q, V <sup>(5)</sup>	Q,N,M	1035.4	-38.3	247.5	155.6	-27.9	Cumple
		Cabeza	Cumple	Cumple	60.7	56.7	60.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1155.4	12.0	-228.5	133.9	-3.9	Cumple
		22 m	Cumple	Cumple	60.7	54.2	60.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1177.2	-0.5	206.6	133.9	-3.9	Cumple
		Pie	Cumple	Cumple	60.7	54.2	60.7	G, H, Q, V <sup>(5)</sup>	Q,N,M	1177.2	-0.5	206.6	133.9	-3.9	Cumple
P. quinta +21.50 (17.8 - 21.4 m)	50x50	Cabeza	Cumple	Cumple	84.4	66.9	84.4	G, H, Q, V <sup>(5)</sup>	Q,N,M	1280.7	18.7	-332.2	220.4	-24.4	Cumple
		20.55 m	Cumple	Cumple	84.4	84.8	84.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1307.6	-60.6	384.1	220.4	-24.4	Cumple
		18.4 m	Cumple	Cumple	84.4	84.8	84.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1307.6	-60.6	384.1	220.4	-24.4	Cumple
		Pie	Cumple	Cumple	84.4	84.8	84.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1307.6	-60.6	384.1	220.4	-24.4	Cumple
P. cuarta +17.90 (14.2 - 17.8 m)	50x50	17.8 m	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	14.4	84.8	84.8	G, H, Q, V <sup>(5)</sup>	Q,N,M	1307.6	-60.6	384.1	220.4	-24.4	Cumple
		Cabeza	Cumple	Cumple	35.1	36.8	36.8	G, H, Q, V <sup>(7)</sup>	Q	1362.1	-16.5	-69.5	-74.8	53.7	Cumple
								G, H, Q, V <sup>(8)</sup>	N,M	1303.8	-13.1	-172.5	17.9	49.1	
		14.8 m	Cumple	Cumple	35.1	78.0	78.0	G, H, Q, V <sup>(7)</sup>	Q,N,M	1389.0	158.2	-312.7	-74.8	53.7	Cumple
G, H, Q, V <sup>(7)</sup>	Q,N,M							1389.0	158.2	-312.7	-74.8	53.7			
Sótano -3.80	50x50	Arranque	N.P. <sup>(1)</sup>	N.P. <sup>(1)</sup>	5.9	78.0	78.0	G, H, Q, V <sup>(7)</sup>	Q,N,M	1389.0	158.2	-312.7	-74.8	53.7	Cumple
Notas:															
<sup>(1)</sup> La comprobación no procede															
<sup>(2)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Xexc.-)															
<sup>(3)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.-)															
<sup>(4)</sup> 1.35·PP+1.35·CM+H1+1.5·Qa+0.9·V(+Yexc.+)															
<sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Xexc.-)															
<sup>(6)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.-)															
<sup>(7)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(-Xexc.-)															
<sup>(8)</sup> 1.35·PP+1.35·CM+H1+1.05·Qa+1.5·V(+Xexc.-)															

## 1.138. P123

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 140 A	Cabeza	Cumple	Cumple	7.6	72.5	2.1	8.6	81.3	8.6	81.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	35.3	-27.9	0.5	-0.2	13.1	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	34.8	-26.3	0.5	-0.2	12.3	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	35.3	-27.9	0.5	-0.2	13.1	
		Pie	Cumple	Cumple	7.6	67.7	2.0	8.6	76.4	8.6	76.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	35.4	-26.1	0.4	-0.2	13.1	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	34.9	-24.6	0.4	-0.2	12.3	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	35.4	-26.1	0.4	-0.2	13.1	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 140 A	Cabeza	Cumple	Cumple	7.6	67.7	2.0	9.2	76.4	9.2	76.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	35.4	-26.1	0.4	-0.2	14.0	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	34.9	-24.6	0.4	0.1	12.3	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	35.4	-26.1	0.4	-0.2	14.0	
		Pie	Cumple	Cumple	7.8	33.9	7.8	9.2	41.5	9.2	41.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	36.3	12.7	-0.2	-0.2	14.0	Cumple
												G, H, Q, V <sup>(4)</sup>	M <sub>y</sub>	30.1	13.1	-0.2	-0.2	12.9	
												G, H, Q, V <sup>(5)</sup>	M <sub>z</sub>	29.3	7.5	-1.7	-0.7	10.0	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Xexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(4)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-) <sup>(5)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.+)																			



## 1.139. P124

Sección de acero laminado																																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos							Estado																
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)																	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.3	79.4	0.3	13.1	87.1	13.1	87.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	68.2	-59.9	0.0	-0.3	28.7	Cumple																
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.9	-47.5	-0.1	-0.9	21.9																	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	68.2	-59.9	0.0	-0.3	28.7																	
		Pie	Cumple	Cumple	8.3	73.3	0.7	13.1	81.1	13.1	81.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	68.3	-55.3	-0.1	-0.3	28.7	Cumple																
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	55.0	-44.0	-0.3	-0.9	21.9																	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	68.3	-55.3	-0.1	-0.3	28.7																	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.3	73.3	0.7	13.6	81.1	13.6	81.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	68.3	-55.3	-0.1	-0.3	29.9	Cumple																
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	55.0	-44.0	-0.3	-1.5	21.9																	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	68.3	-55.3	-0.1	-0.3	29.9																	
		Pie	Cumple	Cumple	8.4	36.5	10.9	13.6	46.4	13.6	46.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.6	27.4	-0.8	-0.3	29.9	Cumple																
												G, H, Q, V <sup>(4)</sup>	M <sub>t</sub>	56.9	27.6	-0.7	-0.2	26.4																	
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	56.3	16.8	-4.5	-1.5	21.9																	
																									G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	69.6	27.4	-0.8	-0.3	29.9				
												Notas: (1) 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) (2) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Yexc.+) (3) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) (4) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)																							

## 1.140. P125

Sección de acero laminado																																		
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>s</sub> imos							Estado															
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)																
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.8	0.3	12.5	85.4	12.5	85.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	67.6	-58.7	0.0	0.1	27.5	Cumple															
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.6	-20.8	0.1	0.8	9.1																
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.6	-58.7	0.0	0.1	27.5																
		Pie	Cumple	Cumple	8.2	72.0	0.6	12.5	79.7	12.5	79.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	67.7	-54.3	0.0	0.1	27.5	Cumple															
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.7	-19.4	0.2	0.8	9.1																
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.7	-54.3	0.0	0.1	27.5																
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	72.0	0.6	13.0	79.7	13.0	79.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> NM <sub>t</sub> M <sub>z</sub>	67.7	-54.3	0.0	0.1	28.6	Cumple															
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.7	-19.4	0.2	1.4	9.1																
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.7	-54.3	0.0	0.1	28.6																
		Pie	Cumple	Cumple	8.4	33.2	10.1	13.0	42.1	13.0	42.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	25.0	0.4	0.1	28.6	Cumple															
												G, H, Q, V <sup>(4)</sup>	M <sub>t</sub>	56.4	25.0	0.4	0.1	25.2																
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	26.0	6.0	4.1	1.4	9.1																
																									G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	69.0	25.0	0.4	0.1	28.6			
												Notas: (1) 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) (2) 1.35·PP+1.35·CM+0.7·H1+1.5·V(+Yexc.+) (3) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-) (4) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.-)																						

## 1.141. P126

Tramo	Sección	Posición	Sección de acero laminado										Esfuerzos p <sub>s</sub> imos							Estado
			Comprobaciones								Aprov. (%)	Naturaleza	Comp.							
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>t</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)			N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)			
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.9	0.3	12.3	85.5	12.3	85.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> ,NM <sub>t</sub> M <sub>z</sub>	67.6	-58.7	0.0	-0.2	26.9	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.7	-0.1	-0.8	20.7		
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.6	-58.7	0.0	-0.2	26.9		
		Pie	Cumple	Cumple	8.2	72.2	0.6	12.3	79.9	12.3	79.9	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> ,NM <sub>t</sub> M <sub>z</sub>	67.7	-54.4	0.0	-0.2	26.9	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.4	-0.2	-0.8	20.7		
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.7	-54.4	0.0	-0.2	26.9		
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	72.2	0.6	12.8	79.9	12.8	79.9	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>t</sub> ,NM <sub>t</sub> M <sub>z</sub>	67.7	-54.4	0.0	-0.2	28.0	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.4	-0.2	-1.3	20.7		
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	67.7	-54.4	0.0	-0.2	28.0		
		Pie	Cumple	Cumple	8.4	30.8	9.7	12.8	40.0	12.8	40.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	23.2	-0.5	-0.2	28.0	Cumple	
												G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> ,V <sub>z</sub> ,NM <sub>t</sub> M <sub>z</sub> ,M <sub>t</sub> V <sub>z</sub>	69.0	23.2	-0.5	-0.2	28.0		
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.9	13.8	-4.0	-1.3	20.7		
Notas:																				
<sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc-)																				
<sup>(2)</sup> 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc-)																				
<sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.6·V(-Yexc-)																				



## 1.142. P127

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov.	Esfuerzos pésimos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>z</sub> (%)	M <sub>x</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.9	0.3	12.2	85.5	12.2	85.5	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> NM <sub>z</sub> M <sub>z</sub>	67.7	-58.8	0.0	-0.2	26.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.8	-0.1	-0.8	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.7	-58.8	0.0	-0.2	26.8	
		Pie	Cumple	Cumple	8.2	72.2	0.6	12.2	80.0	12.2	80.0	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> NM <sub>z</sub> M <sub>z</sub>	67.7	-54.5	-0.1	-0.2	26.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.5	-0.2	-0.8	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.7	-54.5	-0.1	-0.2	26.8	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	72.2	0.6	12.7	80.0	12.7	80.0	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> NM <sub>z</sub> M <sub>z</sub>	67.7	-54.5	-0.1	-0.2	27.9	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.5	-0.2	-1.4	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.7	-54.5	-0.1	-0.2	27.9	
		Pie	Cumple	Cumple	8.4	30.3	9.8	12.7	39.5	12.7	39.5	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	69.0	22.8	-0.5	-0.2	27.9	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> V <sub>z</sub> NM <sub>z</sub> M <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	69.0	22.8	-0.5	-0.2	27.9	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.9	13.4	-4.0	-1.4	20.6	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(-Yexc.-) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)																			

## 1.143. P128

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov. (%)	Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>z</sub> (%)	M <sub>x</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.7	0.5	12.2	85.6	12.3	85.6	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> ,M <sub>y</sub> ,NM <sub>x</sub> M <sub>z</sub>	67.6	-58.6	-0.1	-1.1	26.9	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.4	-46.5	-0.2	-1.6	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>x</sub> V <sub>z</sub>	67.6	-58.6	-0.1	-1.1	26.9	
		Pie	Cumple	Cumple	8.2	72.0	1.2	12.2	80.3	12.3	80.3	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> ,M <sub>y</sub> ,NM <sub>x</sub> M <sub>z</sub>	67.7	-54.3	-0.3	-1.1	26.9	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.2	-0.5	-1.6	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>x</sub> V <sub>z</sub>	67.7	-54.3	-0.3	-1.1	26.9	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	72.0	1.2	12.7	80.3	12.7	80.3	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> ,M <sub>y</sub> ,NM <sub>x</sub> M <sub>z</sub>	67.7	-54.3	-0.3	-1.1	28.0	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.2	-0.5	-2.2	20.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>x</sub> V <sub>z</sub>	67.7	-54.3	-0.3	-1.1	28.0	
		Pie	Cumple	Cumple	8.4	30.8	15.9	12.7	46.2	12.7	46.2	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	69.0	23.2	-3.3	-1.1	28.0	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> ,V <sub>z</sub> ,NM <sub>x</sub> M <sub>z</sub> ,M <sub>x</sub> V <sub>z</sub>	69.0	23.2	-3.3	-1.1	28.0	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.8	14.0	-6.5	-2.2	20.6	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.-) <sup>(2)</sup> 1.35·PP+1.35·CM+0.7·H1+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.-)																			

## 1.144. P129

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov. (%)	Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>z</sub> (%)	NM <sub>x</sub> M <sub>z</sub> (%)	M <sub>x</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.6	0.2	12.4	85.2	12.4	85.2	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	67.6	-58.6	0.0	-0.1	27.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.4	-46.5	-0.1	-0.7	20.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.6	-58.6	0.0	-0.1	27.2	
		Pie	Cumple	Cumple	8.2	71.9	0.5	12.4	79.6	12.4	79.6	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	67.7	-54.2	0.0	-0.1	27.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.1	-0.2	-0.7	20.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.7	-54.2	0.0	-0.1	27.2	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	71.9	0.5	12.9	79.6	12.9	79.6	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	67.7	-54.2	0.0	-0.1	28.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.1	-0.2	-1.3	20.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>x</sub> V <sub>z</sub>	67.7	-54.2	0.0	-0.1	28.3	
		Pie	Cumple	Cumple	8.4	32.0	9.3	12.9	40.7	12.9	40.7	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub>	69.0	24.2	-0.3	-0.1	28.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>x</sub> ,V <sub>z</sub> ,NM <sub>z</sub> M <sub>z</sub> ,M <sub>x</sub> V <sub>z</sub>	69.0	24.2	-0.3	-0.1	28.3	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.8	14.7	-3.8	-1.3	20.9	
Notas: <sup>(1)</sup> 1.35 PP+1.35 CM+0.7 H1+1.5 Qa+0.9 V(+Yexc.-) <sup>(2)</sup> 1.35 PP+1.35 CM+1.35 H1+1.05 Qa+1.5 V(-Yexc.+) <sup>(3)</sup> 1.35 PP+1.35 CM+1.35 H1+1.5 Qa+0.9 V(+Yexc.-)																			



# Comprobaciones E.L.U.

Juzgados de Móstoles

Fecha: 20/06/23

## 1.145. P130

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_{\omega}$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.7	0.3	12.8	85.3	12.8	85.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.6	-58.6	0.0	-0.3	28.0	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.5	-0.1	-0.9	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.6	-58.6	0.0	-0.3	28.0	
		Pie	Cumple	Cumple	8.2	71.7	0.7	12.8	79.5	12.8	79.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.1	-0.1	-0.3	28.0	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.0	-0.3	-0.9	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.1	-0.1	-0.3	28.0	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	71.7	0.7	13.3	79.5	13.3	79.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.1	-0.1	-0.3	29.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.0	-0.3	-1.5	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.1	-0.1	-0.3	29.2	
		Pie	Cumple	Cumple	8.4	35.4	10.9	13.3	45.4	13.3	45.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	26.7	-0.9	-0.3	29.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> , V <sub>z</sub> ,NM <sub>y</sub> M <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	69.0	26.7	-0.9	-0.3	29.2	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.8	16.7	-4.5	-1.5	21.6	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·Hl+1.5·Qa+0.9·V(+Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·Hl+1.05·Qa+1.5·V(-Yexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·Hl+1.5·Qa+0.9·V(+Yexc.+)																			

## 1.146. P131

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Esfuerzos p <sub>s</sub> imos						Estado		
			$\bar{\lambda}$	$\lambda_{\omega}$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.7	0.3	12.5	85.4	12.6	85.4	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.6	-58.6	0.0	-0.2	27.5	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.5	-0.1	-0.8	21.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.6	-58.6	0.0	-0.2	27.5	
		Pie	Cumple	Cumple	8.2	71.9	0.6	12.5	79.7	12.6	79.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.2	-0.1	-0.2	27.5	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.1	-0.2	-0.8	21.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.2	-0.1	-0.2	27.5	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	71.9	0.6	13.0	79.7	13.0	79.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.2	-0.1	-0.2	28.6	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-43.1	-0.2	-1.4	21.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.2	-0.1	-0.2	28.6	
		Pie	Cumple	Cumple	8.4	33.3	10.1	13.0	43.0	13.0	43.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	25.1	-0.7	-0.2	28.6	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> ,NM <sub>y</sub> M <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	69.0	25.1	-0.7	-0.2	28.6	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.8	15.4	-4.2	-1.4	21.2	
Notas: <sup>(1)</sup> 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(+Yexc.+) <sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yexc.+) <sup>(3)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(+Yexc.+)																			

## 1.147. P132

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Esfuerzos p <sub>s</sub> imos							Estado	
			$\bar{\lambda}$	$\lambda_{\omega}$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.8	0.3	12.9	85.5	12.9	85.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.6	-58.7	0.0	-0.3	28.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.6	-0.1	-0.9	21.7	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.6	-58.7	0.0	-0.3	28.2	
		Pie	Cumple	Cumple	8.2	71.8	0.7	12.9	79.6	12.9	79.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.2	-0.1	-0.3	28.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.1	-0.3	-0.9	21.7	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.2	-0.1	-0.3	28.2	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	71.8	0.7	13.4	79.6	13.4	79.6	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.7	-54.2	-0.1	-0.3	29.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.1	-0.3	-1.5	21.7	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.7	-54.2	-0.1	-0.3	29.3	
		Pie	Cumple	Cumple	8.4	36.0	10.8	13.4	45.9	13.4	45.9	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	27.1	-0.8	-0.3	29.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> ,NM <sub>y</sub> M <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	69.0	27.1	-0.8	-0.3	29.3	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.9	17.0	-4.4	-1.5	21.7	
Notas: (1) 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V(+Yexc.+) (2) 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(-Yexc.+) (3) 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)																			



## 1.148. P133

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov.	Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.9	0.3	12.5	85.5	12.5	85.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.6	-58.7	0.0	-0.2	27.4	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-46.6	-0.1	-0.8	21.1	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.6	-58.7	0.0	-0.2	27.4	
		Pie	Cumple	Cumple	8.2	72.1	0.6	12.5	79.8	12.5	79.8	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.7	-54.4	-0.1	-0.2	27.4	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.2	-0.2	-0.8	21.1	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.7	-54.4	-0.1	-0.2	27.4	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	72.1	0.6	13.0	79.8	13.0	79.8	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.7	-54.4	-0.1	-0.2	28.5	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.6	-43.2	-0.2	-1.4	21.1	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.7	-54.4	-0.1	-0.2	28.5	
		Pie	Cumple	Cumple	8.4	32.8	9.7	13.0	42.0	13.0	42.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	69.0	24.7	-0.5	-0.2	28.5	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	69.0	24.7	-0.5	-0.2	28.5	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.9	15.1	-4.0	-1.4	21.1	
Notas: <sup>(1)</sup> 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V(+Yexc.+) <sup>(2)</sup> 1.35·PP+1.35·CM+1.35·HI+1.05·Qa+1.5·V(+Xexc.+) <sup>(3)</sup> 1.35·PP+1.35·CM+1.35·HI+1.5·Qa+0.9·V(+Yexc.+)																			

## 1.149. P134

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov. (%)	Esfuerzos p <sub>s</sub> imos						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	77.5	0.3	12.8	85.2	12.9	85.2	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.5	-58.5	0.0	-0.3	28.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.4	-46.4	-0.1	-0.9	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.5	-58.5	0.0	-0.3	28.2	
		Pie	Cumple	Cumple	8.2	71.5	0.7	12.8	79.3	12.9	79.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.6	-54.0	-0.1	-0.3	28.2	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-42.9	-0.3	-0.9	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.6	-54.0	-0.1	-0.3	28.2	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	71.5	0.7	13.4	79.3	13.4	79.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> ,M <sub>y</sub> ,NM <sub>y</sub> M <sub>z</sub>	67.6	-54.0	-0.1	-0.3	29.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	54.5	-42.9	-0.3	-1.5	21.6	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	67.6	-54.0	-0.1	-0.3	29.3	
		Pie	Cumple	Cumple	8.4	36.1	10.7	13.4	46.0	13.4	46.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	68.9	27.2	-0.8	-0.3	29.3	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>y</sub> ,V <sub>z</sub> ,NM <sub>y</sub> M <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	68.9	27.2	-0.8	-0.3	29.3	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	55.8	17.0	-4.4	-1.5	21.6	
Notas: (1) 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(+Yexc.+) (2) 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(+Xexc.+) (3) 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(+Yexc.+)																			

## 1.150. P135

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones								Aprov. (%)	Esfuerzos pésimos							Estado
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	M <sub>y</sub> V <sub>z</sub> (%)		Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 180 A	Cabeza	Cumple	Cumple	8.1	76.5	0.2	12.5	84.1	12.5	84.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.2	-57.7	0.0	0.0	27.3	Cumple
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.4	-20.5	0.1	0.7	9.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.2	-57.7	0.0	0.0	27.3	
		Pie	Cumple	Cumple	8.2	70.7	0.5	12.5	78.3	12.5	78.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.3	-53.4	0.0	0.0	27.3	Cumple
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.5	-19.0	0.2	0.7	9.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.3	-53.4	0.0	0.0	27.3	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 180 A	Cabeza	Cumple	Cumple	8.2	70.7	0.5	13.0	78.3	13.0	78.3	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub> M <sub>y</sub> NM <sub>y</sub> M <sub>z</sub>	67.3	-53.4	0.0	0.0	28.5	Cumple
												G, H, V <sup>(2)</sup>	M <sub>z</sub>	24.5	-19.0	0.2	1.3	9.2	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	67.3	-53.4	0.0	0.0	28.5	
		Pie	Cumple	Cumple	8.3	33.8	9.1	13.0	42.0	13.0	42.0	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	68.6	25.5	0.1	0.0	28.5	Cumple
												G, H, Q, V <sup>(3)</sup>	M <sub>y</sub> V <sub>z</sub> NM <sub>y</sub> M <sub>z</sub> M <sub>y</sub> V <sub>z</sub>	68.6	25.5	0.1	0.0	28.5	
												G, H, Q, V <sup>(4)</sup>	M <sub>z</sub>	55.5	15.7	3.7	1.3	21.0	
Notas: (1) 1.35 PP+1.35 CM+0.7 HI+1.5 Qa+0.9 V(+Yexc.+) (2) 1.35 PP+1.35 CM+1.35 HI+1.5 V(+Xexc.+) (3) 1.35 PP+1.35 CM+1.35 HI+1.5 Qa+0.9 V(+Yexc.+) (4) 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(+Xexc.+)																			



### 1.151. P136

Sección de acero laminado																			Estado
Tramo	Sección	Posición	Comprobaciones									Esfuerzos pésimos							
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>y</sub> M <sub>z</sub> (%)	MV <sub>z</sub> (%)	Aprov. (%)	Naturalaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Placa solares +35.30 (34.97 - 35.27 m)	HE 160 A	Cabeza	Cumple	Cumple	5.5	55.5	1.9	7.4	62.3	7.4	62.3	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> ,M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	35.4	-31.0	-0.6	0.1	14.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	35.0	-29.9	-0.6	-0.1	13.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	35.4	-31.0	-0.6	0.1	14.8	
		Pie	Cumple	Cumple	5.5	51.3	1.9	7.4	58.1	7.4	58.1	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> ,M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	35.4	-28.6	-0.5	0.1	14.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	35.1	-27.6	-0.6	-0.1	13.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	35.4	-28.6	-0.5	0.1	14.8	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 160 A	Cabeza	Cumple	Cumple	5.5	51.3	1.9	7.9	58.1	7.9	58.1	G, H, Q, V <sup>(1)</sup>	N <sub>m</sub> ,M <sub>y</sub> ,NM <sub>z</sub> M <sub>z</sub>	35.4	-28.6	-0.5	0.1	15.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub>	35.1	-27.6	-0.6	-0.4	13.9	
												G, H, Q, V <sup>(3)</sup>	V <sub>z</sub> ,M <sub>y</sub> V <sub>z</sub>	35.4	-28.6	-0.5	0.1	15.8	
		Pie	Cumple	Cumple	5.7	28.2	8.5	7.9	33.5	7.9	33.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	36.5	15.1	-0.3	0.1	15.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>z</sub> ,NM <sub>y</sub> M <sub>z</sub>	30.2	15.8	-0.2	0.1	14.4	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	29.7	8.9	-2.6	-0.7	11.3	
Notas: (1) 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(+Yexc.+) (2) 1.35·PP+1.35·CM+0.7·H1+1.5·Qa+0.9·V(-Xexc.+) (3) 1.35·PP+1.35·CM+1.35·H1+1.5·Qa+0.9·V(+Yexc.+) (4) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(+Yexc.+) (5) 1.35·PP+1.35·CM+1.35·H1+1.05·Qa+1.5·V(-Xexc.+)																			

**1.152. P137**

Sección de acero laminado																			
Tramo	Sección	Posición	Comprobaciones									Esfuerzos p <sub>simos</sub>						Estado	
			$\bar{\lambda}$	$\lambda_w$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>z</sub> (%)	V <sub>z</sub> (%)	NM <sub>t</sub> M <sub>z</sub> (%)	M <sub>t</sub> V <sub>z</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 200 B	Cabeza	Cumple	Cumple	10.3	13.2	7.2	5.7	24.1	5.7	24.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	-211.6	13.4	2.5	-2.6	-14.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> , V <sub>zz</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	-202.0	20.7	1.5	-1.7	-21.4	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	-131.3	1.3	5.8	-5.2	-2.6	
		Pie	Cumple	Cumple	10.2	22.5	10.1	5.7	34.1	5.7	34.1	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	-209.4	-25.2	-4.3	-2.6	-14.8	Cumple
												G, H, Q, V <sup>(2)</sup>	M <sub>t</sub> , V <sub>zz</sub> NM <sub>t</sub> M <sub>z</sub> M <sub>t</sub> V <sub>z</sub>	-199.9	-35.1	-2.8	-1.7	-21.4	
												G, H, Q, V <sup>(3)</sup>	M <sub>z</sub>	-192.5	-7.2	-8.1	-5.3	-3.4	
Notas:																			
<sup>(1)</sup> 1.35·PP+1.35·CM+0.7·HI+1.5·Qa+0.9·V/(-Yecc,+)																			
<sup>(2)</sup> 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V/(-Yecc,+)																			
<sup>(3)</sup> 0.8·PP+0.8·CM+0.7·HI+1.05·Qa+1.5·V/(Yecc,+)																			
<sup>(4)</sup> 1.35·PP+1.35·CM+0.7·HI+1.05·Qa+1.5·V/(Yecc,+)																			

**1.153. P138**

Sección de acero laminado																						
Tramo	Sección	Posición	Comprobaciones										Esfuerzos p <sub>s</sub> imos						Estado			
			$\bar{\lambda}$	$\lambda_{\infty}$	N <sub>t</sub> (%)	M <sub>y</sub> (%)	M <sub>x</sub> (%)	V <sub>x</sub> (%)	V <sub>y</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	MV <sub>x</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)	Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)		Q <sub>x</sub> (kN)	Q <sub>y</sub> (kN)	
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 200 B	Cabeza	Cumple	Cumple	6.3	26.0	37.9	9.3	1.8	62.5	9.3	1.8	62.5	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	103.0	40.9	26.6	-13.7	-35.1	Cumplido	
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> , V <sub>2</sub> , NM <sub>1</sub> M <sub>2</sub> M <sub>3</sub> V <sub>2</sub>	103.0	40.9	26.6	-13.7	-35.1		
														G, H, Q, V <sup>(3)</sup>	M <sub>2</sub> V <sub>1</sub> , M <sub>1</sub> V <sub>2</sub>	87.7	12.0	30.3	-17.2	-9.2		
		Pie	Cumple	Cumple	6.4	30.5	17.8	9.3	1.8	45.7	9.3	1.8	45.7	G, H, Q, V <sup>(1)</sup>	N <sub>t</sub>	105.1	-47.9	-8.0	-13.7	-35.1	Cumplido	
														G, H, Q, V <sup>(2)</sup>	M <sub>1</sub> , V <sub>2</sub> , M <sub>2</sub> V <sub>2</sub>	105.1	-47.9	-8.0	-13.7	-35.1		
														G, H, V <sup>(4)</sup>	M <sub>2</sub>	80.7	-10.8	-14.3	-16.9	-9.0		
														G, H, Q, V <sup>(3)</sup>	V <sub>2</sub> , M <sub>1</sub> V <sub>2</sub>	89.7	-11.2	-13.3	-17.2	-9.2		
														G, H, V <sup>(5)</sup>	NM <sub>2</sub>	96.0	-47.2	-9.0	-13.4	-34.7		

Notas:

<sup>(1)</sup> 1.35 PP+1.35 CM+0.7 HI+1.05 Qa+1.5 V(-Yccc-)

<sup>(2)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Yccc-)

<sup>(3)</sup> 1.35 PP+1.35 CM+1.35 HI+1.05 Qa+1.5 V(-Xccc-)

<sup>(4)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 V(-Yccc-)

<sup>(5)</sup> 1.35 PP+1.35 CM+1.35 HI+1.5 V(-Xccc-)

**1.154. P139**

Tramo	Sección	Posición	Sección de acero laminado											Esfuerzos p <sup>simos</sup>						Estado		
			Comprobaciones											Naturaleza	Comp.	N (kN)	M <sub>xx</sub> (kN·m)	M <sub>yy</sub> (kN·m)	Q <sub>x</sub> (kN)		Q <sub>y</sub> (kN)	
			$\bar{\lambda}$	$\lambda_w$	N (%)	M <sub>x</sub> (%)	M <sub>y</sub> (%)	V <sub>x</sub> (%)	V <sub>y</sub> (%)	NM <sub>x</sub> M <sub>y</sub> (%)	MV <sub>x</sub> (%)	MV <sub>y</sub> (%)	Aprov. (%)									
Casetón ascensor +35.07 (32.2 - 34.97 m)	HE 200 B	Cabeza	Cumple	Cumple	5.8	19.8	45.3	8.1	2.4	63.4	8.1	2.4	63.4	G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> V <sub>y</sub> , NM <sub>x</sub> M <sub>y</sub> , MV <sub>x</sub> V <sub>y</sub>	94.2	30.9	-32.4	18.8	-30.4	Cumpl	
														G, H, V <sup>(2)</sup>	M <sub>y</sub>	86.1	31.0	-29.1	17.2	-29.7		
		Pie	Cumple	Cumple	6.0	31.1	27.5	8.1	2.4	55.2	8.1	2.4	55.2	G, H, Q, V <sup>(3)</sup>	M <sub>x</sub> V <sub>y</sub> , MV <sub>x</sub> V <sub>y</sub>	80.4	7.1	-36.3	22.4	-8.2	Cumpl	
														G, H, Q, V <sup>(1)</sup>	N <sub>x</sub> M <sub>y</sub> , V <sub>x</sub> NM <sub>x</sub> M <sub>y</sub> , MV <sub>x</sub> V <sub>y</sub>	96.3	-48.6	16.7	18.8	-30.4		
															G, H, Q, V <sup>(3)</sup>	M <sub>x</sub> V <sub>y</sub> , MV <sub>x</sub> V <sub>y</sub>	82.5	-14.2	22.1	22.4	-8.2	
Notas: <sup>(1)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V(-Yexc. +) <sup>(2)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.5 V(-Yexc. +) <sup>(3)</sup> 1.35 PP + 1.35 CM + 1.35 HI + 1.05 Qa + 1.5 V(+Yexc. +)																						



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ANEJO DE CÁLCULO 7 CÁLCULO DE PILARES

REV: 00

## 2. ESFUERZOS EN PILARES

## ÍNDICE

<b>1. MATERIALES.....</b>	<b>2</b>
<b>1.1. Hormigones.....</b>	<b>2</b>
<b>1.2. Aceros por elemento y posición.....</b>	<b>2</b>
1.2.1. Aceros en barras.....	2
1.2.2. Aceros en perfiles.....	2
<b>2. ARMADO DE PILARES Y PANTALLAS.....</b>	<b>2</b>
<b>2.1. Pilares.....</b>	<b>2</b>
<b>3. ESFUERZOS DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS.....</b>	<b>19</b>
<b>4. ARRANQUES DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS.....</b>	<b>148</b>



## 1. MATERIALES

### 1.1. Hormigones

Elemento	Hormigón	$f_{ck}$ (MPa)	$\gamma_c$	Árido		$E_c$ (MPa)
				Naturaleza	Tamaño máximo (mm)	
Pilares y pantallas	HA-35	35	1.50	Cuarcita	15	34077
Muros	HA-25	25	1.50	Cuarcita	15	31476

### 1.2. Aceros por elemento y posición

#### 1.2.1. Aceros en barras

Elemento	Acero	$f_{yk}$ (MPa)	$\gamma_s$
Todos	B 500 S	500	1.15

#### 1.2.2. Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (MPa)	Módulo de elasticidad (GPa)
Acero conformado	S235	235	210
Acero laminado	S275	275	210

## 2. ARMADO DE PILARES Y PANTALLAS

### 2.1. Pilares

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
P1	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	77.6	Cumple
	P. séptima +28.70	Diámetro 50	25.00/28.25	8Ø12			0.46	1eØ6	15	69.0	Cumple
	P. sexta +25.10	Diámetro 50	21.40/24.65	8Ø12	-	-	0.46	1eØ6	15	72.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	60.9	Cumple
	P. cuarta +17.90	Diámetro 60	14.20/17.45	8Ø16			0.57	1eØ6	15	53.7	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16			0.57	1eØ6	15	69.1	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	8Ø16	-	-	0.57	1eØ6	15	78.4	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	15	72.3	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	15	72.3	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	17.9	Cumple	
P2	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	56.8	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	61.8	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	68.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	64.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.9	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	75.3	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	83.1	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	94.4	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	54.2	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.0	Cumple	
P3	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	52.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	59.9	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	66.5	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	63.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.3	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	74.3	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	81.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	93.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	54.3	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.9	Cumple	
P4	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	53.6	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	60.1	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	67.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	64.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	75.5	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	83.6	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	95.0	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	53.9	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.0	Cumple	
P5	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	47.0	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	55.9	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	65.8	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	63.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.0	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	75.8	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	83.0	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	94.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	53.2	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.0	Cumple	
P6	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	47.7	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	55.0	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	65.2	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	62.4	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	70.9	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	74.8	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	82.0	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	93.9	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	52.5	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.7	Cumple	
P7	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	67.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	69.6	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	77.3	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	70.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	78.5	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16			0.57	1eØ6	15	80.7	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16	-	-	1.42	1eØ6	15	87.1	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	98.1	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	61.8	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.8	Cumple
P8	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	49.1	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	53.8	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	65.9	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	61.3	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.8	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	73.3	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	82.6	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	94.3	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.7	Cumple
P9	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	46.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	54.7	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	67.3	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	62.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.8	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	74.0	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	83.5	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	95.4	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.8	Cumple
P10	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	47.5	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	54.7	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	68.2	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	62.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.9	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	74.9	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	84.5	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	95.5	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.9	Cumple
P11	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	47.4	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	55.6	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	69.3	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	63.2	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	74.8	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	84.7	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	95.4	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.8	Cumple
P12	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	48.2	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	56.2	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	69.8	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	63.7	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	75.7	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	85.5	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	94.6	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.9	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
P13	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	49.1	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	59.1	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	72.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	65.5	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	76.7	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	76.3	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	83.8	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	95.6	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	55.1	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.9	Cumple	
P14	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	52.7	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	61.7	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	76.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	68.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	79.7	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	78.6	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	85.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	97.0	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	55.5	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.1	Cumple	
P15	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	53.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	64.5	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	78.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	70.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	81.6	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	8Ø16	-	-	0.57	1eØ6	15	80.6	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø16			1.42	1eØ6	15	87.7	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	22Ø16			1.56	1eØ6	20	98.5	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	56.3	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.2	Cumple	
P16	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	4Ø12	4Ø12	0.85	1eØ6	15	77.6	Cumple
	P. séptima +28.70	45x45	25.00/28.25				0.67				
	P. sexta +25.10	45x45	21.40/24.65				0.67				
	P. quinta +21.50	50x50	17.80/21.05				0.54				
	P. cuarta +17.90	Diámetro 60	14.20/17.45	12Ø16	-	-	0.85	1eØ6	15	83.5	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85				0.85				
	P. segunda +10.70	Diámetro 60	5.25/10.25				0.85				
	P. primera +5.35	60x60	-0.10/4.90				1.05				
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø20	4Ø20	4Ø20	1.05	2eØ6+X2rØ6	15	83.6	Cumple
Sótano -3.80	-	-	4Ø20	4Ø20	4Ø20	1.05	1eØ6+X2rØ6+Y2rØ6	-	12.2	Cumple	
P17	P. cubierta +32.30	Diámetro 40	28.60/31.85	6Ø12	-	-	0.54	1eØ6	15	60.4	Cumple
	P. séptima +28.70	Diámetro 45	25.00/28.25	6Ø12			0.43	1eØ6	15	75.6	Cumple
	P. sexta +25.10	Diámetro 45	21.40/24.65	6Ø12			0.43	1eØ6	15	82.1	Cumple
	P. quinta +21.50	Diámetro 50	17.80/21.05	8Ø12			0.46	1eØ6	15	76.8	Cumple
	P. cuarta +17.90	Diámetro 50	14.20/17.45	8Ø12	-	-	0.46	1eØ6	15	91.0	Cumple
	P. tercera +14.30	Diámetro 50	10.60/13.85	16Ø12			0.92	1eØ6	15	99.1	Cumple
	P. segunda +10.70	Diámetro 50	5.25/10.25	16Ø20			2.56	1eØ6	30	99.1	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	79.7	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.6	Cumple	
P18	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	89.7	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	70.1	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	73.0	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.5	Cumple





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	81.0	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	93.7	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	92.7	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	92.7	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	62.7	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	60.8	Cumple
P18a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	64.2	Cumple
P19	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	43.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	55.3	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	73.5	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.9	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	86.9	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	100.0	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	97.4	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	97.3	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	68.7	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	67.5	Cumple
P20	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	68.6	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	53.9	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	63.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø16	2Ø16	0.64	1eØ6+X1rØ6+Y1rØ6	15	61.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø16	2Ø16	0.64	1eØ6+X1rØ6+Y1rØ6	20	72.2	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø16	2Ø16	0.64	1eØ6+X1rØ6+Y1rØ6	20	84.7	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	6Ø20	2.01	2eØ8+Y1rØ8	20	90.2	Cumple
	P. primera +5.35	50x50	-0.10/4.90	4Ø20	6Ø20	6Ø20	2.01	1eØ8+X1rØ8+Y1rØ8	20	97.4	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	6Ø20	1.01	2eØ8+X1rØ8+Y1rØ8	20	96.5	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	6Ø20	1.01	2eØ8+Y1rØ8	-	57.4	Cumple
P20a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	63.9	Cumple
P21	Casetón ascensor +35.07	HE 180 A	32.20/34.77	-	-	-	-	-	-	78.0	Cumple
	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ8+X1rØ8+Y1rØ8	8	99.6	Cumple
	P. séptima +28.70	45x50	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	6	97.2	Cumple
	P. sexta +25.10	45x50	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	6	95.8	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	94.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	6	89.3	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	6	89.5	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	10Ø12	10Ø12	1.41	1eØ6+X2rØ6+Y2rØ6	6	98.9	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	12Ø16	12Ø16	1.89	1eØ8+X4rØ8+Y4rØ8	14	96.3	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	12Ø16	12Ø16	1.89	1eØ8+X4rØ8+Y4rØ8	14	99.1	Cumple
	Sótano -3.80	-	-	4Ø25	12Ø16	12Ø16	1.89	1eØ8+X4rØ8+Y4rØ8	-	51.7	Cumple
P22	Casetón ascensor +35.07	HE 180 A	32.20/34.77	-	-	-	-	-	-	79.7	Cumple
	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ8+X1rØ8+Y1rØ8	8	92.9	Cumple
	P. séptima +28.70	45x50	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	6	91.9	Cumple
	P. sexta +25.10	45x50	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	6	92.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	89.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	96.5	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	6	91.3	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	20Ø25	20Ø25	1.57	1eØ8+X1rØ8+Y1rØ8	8	99.7	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	6Ø25	6Ø25	2.18	1eØ8+X1rØ8+Y1rØ8	8	90.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	6Ø25	6Ø25	2.18	1eØ8+X1rØ8+Y1rØ8	6	92.3	Cumple
	Sótano -3.80	-	-	4Ø25	6Ø25	6Ø25	2.18	1eØ8+X1rØ8+Y1rØ8	-	44.8	Cumple
P23	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	92.9	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	68.9	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	72.2	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	70.6	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	80.7	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	92.8	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	94.0	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	93.0	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	64.4	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	61.8	Cumple
P23a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	71.7	Cumple
P24	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	82.5	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	63.1	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	71.3	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	69.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	78.9	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	91.9	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	91.3	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	91.1	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	59.7	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	59.7	Cumple
P24a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	64.0	Cumple
P25	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	43.6	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	52.1	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	72.6	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.2	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	87.2	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	99.4	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	98.0	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	98.0	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	68.6	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	66.8	Cumple
P26	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	62.2	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	54.4	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	69.5	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	69.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	79.1	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	93.6	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	93.3	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	90.8	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	63.9	Cumple
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	61.6	Cumple
P26a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	65.6	Cumple
P27	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	44.4	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	54.6	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	74.0	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.8	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	87.8	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø16	2Ø20	0.73	1eØ6+X1rØ6+Y1rØ6	15	98.3	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	8Ø20	8Ø20	2.80	1eØ8+X2rØ8+Y2rØ8	20	95.6	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø25	8Ø20	8Ø20	1.40	2eØ8+X2rØ8+Y2rØ8	20	95.6	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø25	8Ø20	8Ø20	1.40	2eØ8+X2rØ8+Y2rØ8	20	68.0	Cumple
	Sótano -3.80	-	-	4Ø25	8Ø20	8Ø20	1.40	2eØ8+X2rØ8+Y2rØ8	-	65.9	Cumple
P28	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	69.0	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	56.2	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø16	2Ø12	2Ø12	0.62	1eØ6+X1rØ6+Y1rØ6	15	72.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	80.7	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares													
Hormigón: HA-35, Yc=1.5													
Pilar	Geometría			Armaduras						Aprov. (%)	Estado		
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos					
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)				
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	93.7	Cumple		
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	6Ø20	8Ø20	2.26	1eØ6+X2rØ6+Y1rØ6	30	93.0	Cumple		
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	89.7	Cumple		
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	30	61.4	Cumple		
	Sótano -3.80	-	-	4Ø20	6Ø20	8Ø20	1.13	2eØ6+X2rØ6+Y1rØ6	-	60.9	Cumple		
P28a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	61.6	Cumple		
P29	P. cubierta +32.30	40x40	28.60/31.85	4Ø16	2Ø12	2Ø12	0.79	1eØ6+X1rØ6+Y1rØ6	15	44.4	Cumple		
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	59.9	Cumple		
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	76.5	Cumple		
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	75.2	Cumple		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	89.3	Cumple		
	P. tercera +14.30	50x50	10.60/13.85	4Ø20	2Ø12	2Ø12	0.68	1eØ6+X1rØ6+Y1rØ6	15	98.9	Cumple		
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	8Ø20	8Ø20	2.80	1eØ8+X2rØ8+Y2rØ8	30	96.8	Cumple		
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	8Ø16	16Ø16	1.22	2eØ6+X2rØ6+Y2rØ6	20	99.3	Cumple		
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	8Ø16	16Ø16	1.22	2eØ6+X2rØ6+Y2rØ6	20	74.2	Cumple		
Sótano -3.80	-	-	4Ø20	8Ø16	16Ø16	1.22	2eØ6+X2rØ6+Y2rØ6	-	67.8	Cumple			
P30	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	85.2	Cumple		
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	58.2	Cumple		
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	76.0	Cumple		
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.9	Cumple		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	83.8	Cumple		
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	96.3	Cumple		
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø16	6Ø16	1.75	1eØ8+X1rØ8+Y1rØ8	20	99.9	Cumple		
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	6Ø16	6Ø16	1.22	1eØ8+X1rØ8+Y1rØ8	20	99.8	Cumple		
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	6Ø16	6Ø16	1.22	1eØ8+X1rØ8+Y1rØ8	20	86.3	Cumple		
Sótano -3.80	-	-	4Ø25	6Ø16	6Ø16	1.22	1eØ8+X1rØ8+Y1rØ8	-	86.3	Cumple			
P31	Casetón ascensor +35.07	HE 180 A	32.20/34.77	-	-	-	-	-	-	99.0	Cumple		
	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	51.8	Cumple		
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	63.8	Cumple		
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	80.2	Cumple		
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	78.7	Cumple		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	90.2	Cumple		
	P. tercera +14.30	50x50	10.60/13.85	4Ø20	2Ø12	2Ø12	0.68	1eØ6+X1rØ6+Y1rØ6	15	99.8	Cumple		
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	8Ø20	8Ø20	2.80	1eØ8+X2rØ8+Y2rØ8	30	98.7	Cumple		
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	12Ø16	12Ø16	1.89	1eØ8+X4rØ8+Y4rØ8	20	99.1	Cumple		
P. Baja +0.00	60x90	-3.60/-0.45	4Ø25	12Ø16	12Ø16	1.26	3eØ8+Y4rØ8	20	88.8	Cumple			
Sótano -3.80	-	-	4Ø25	12Ø16	12Ø16	1.26	3eØ8+Y4rØ8	-	63.3	Cumple			
P32	P. cubierta +32.30	Diámetro 50	28.60/31.85	8Ø12			0.46	1eØ6	15	39.0	Cumple		
	P. séptima +28.70	Diámetro 50	25.00/28.25				0.46	1eØ6	15	61.2	Cumple		
	P. sexta +25.10	Diámetro 50	21.40/24.65				0.46	1eØ6	15	81.4	Cumple		
	P. quinta +21.50	Diámetro 50	17.80/21.05				0.46	1eØ6	15	87.9	Cumple		
	P. cuarta +17.90	Diámetro 60	14.20/17.45				0.40	1eØ6	15	78.2	Cumple		
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6	15	87.3	Cumple		
	P. segunda +10.70	Diámetro 60	5.25/10.25	10Ø12			0.40	1eØ6	15	98.1	Cumple		
	P. primera +5.35	60x60	-0.10/4.90	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	93.3	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø16			2Ø16	2Ø16	0.45	1eØ8+X1rØ8+Y1rØ8	6	93.5	Cumple
Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.3	Cumple			
P33	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	53.2	Cumple		
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	62.9	Cumple		
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	67.8	Cumple		
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	63.6	Cumple		
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.2	Cumple		
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6	15	77.5	Cumple		
	P. segunda +10.70	Diámetro 60	5.25/10.25	10Ø12			0.40	1eØ6	15	94.7	Cumple		



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. primera +5.35	60x60	-0.10/4.90	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	81.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16	2Ø16	2Ø16	0.45	1eØ8+X1rØ8+Y1rØ8	8	81.8	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	20.1	Cumple
P34	Placa solares +35.30	HE 140 A	34.97/35.11	-	-	-	-	-	-	79.6	Cumple
	Casetón ascensor +35.07	HE 140 A	32.20/34.97							74.4	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	46.5	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	53.4	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	65.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	86.9	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	99.5	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	8Ø16	10Ø16	1.95	2eØ6+Y2rØ6	20	99.0	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	8Ø16	10Ø16	0.98	2eØ6+Y2rØ6	20	99.0	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	8Ø16	10Ø16	0.98	2eØ6+Y2rØ6	20	69.2	Cumple
		Sótano -3.80	-	-	4Ø20	8Ø16	10Ø16	0.98	2eØ6+Y2rØ6	-	66.8
P35	Placa solares +35.30	HE 160 A	34.97/35.13	-	-	-	-	-	-	100.0	Cumple
	Casetón ascensor +35.07	HE 160 A	32.20/34.97							92.6	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	43.5	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	50.3	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	63.9	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	86.1	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	97.9	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	8Ø16	8Ø16	1.79	1eØ6+X2rØ6+Y2rØ6	20	99.9	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	8Ø16	8Ø16	0.89	2eØ6+X2rØ6+Y2rØ6	20	99.9	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	8Ø16	8Ø16	0.89	2eØ6+X2rØ6+Y2rØ6	20	69.9	Cumple
		Sótano -3.80	-	-	4Ø20	8Ø16	8Ø16	0.89	2eØ6+X2rØ6+Y2rØ6	-	67.1
P36	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	78.0	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.3	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	44.0	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	52.5	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	63.9	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	67.3	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	80.7	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	96.0	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø16	6Ø16	1.75	1eØ8+X1rØ8+Y1rØ8	20	98.9	Cumple
	P. primera +5.35	50x50	-0.10/4.90	4Ø25	8Ø20	8Ø20	2.80	1eØ8+X2rØ8+Y2rØ8	30	98.7	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø25	8Ø20	8Ø20	1.40	2eØ8+X2rØ8+Y2rØ8	30	98.7	Cumple
		Sótano -3.80	-	-	4Ø25	8Ø20	8Ø20	1.40	2eØ8+X2rØ8+Y2rØ8	-	60.1
P37	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	78.0	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.4	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	53.7	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	56.9	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	70.8	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.2	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	87.2	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø20	2Ø16	2Ø16	0.82	1eØ6+X1rØ6+Y1rØ6	20	98.9	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	8Ø20	8Ø20	2.51	1eØ6+X2rØ6+Y2rØ6	30	99.6	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	30	97.5	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	30	69.3	Cumple
		Sótano -3.80	-	-	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	-	66.0
P38	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	77.9	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.2	Cumple
	P. cubierta +32.30	50x40	28.60/31.85							4Ø12	2Ø12





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	50.0	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	64.4	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	68.9	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	81.4	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	96.1	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø16	6Ø16	1.75	1eØ8+X1rØ8+Y1rØ8	20	99.9	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø25	6Ø16	6Ø16	0.88	2eØ8+X1rØ8+Y1rØ8	20	99.9	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø25	6Ø16	6Ø16	0.88	2eØ8+X1rØ8+Y1rØ8	20	68.9	Cumple
	Sótano -3.80	-	-	4Ø25	6Ø16	6Ø16	0.88	2eØ8+Y1rØ8	-	66.7	Cumple
P39	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	77.8	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.2	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	41.0	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	49.3	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	65.6	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	70.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	82.9	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	98.0	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	10Ø16	10Ø16	2.11	1eØ6+X2rØ6+Y2rØ6	20	98.5	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	10Ø16	10Ø16	1.06	2eØ6+X3rØ6+Y2rØ6	20	98.5	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	10Ø16	10Ø16	1.06	2eØ6+X3rØ6+Y2rØ6	20	68.3	Cumple
		Sótano -3.80	-	-	4Ø20	10Ø16	10Ø16	1.06	2eØ6+Y2rØ6	-	65.8
P40	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	77.8	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.1	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	40.0	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	51.2	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	67.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.1	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	84.1	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	99.1	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	8Ø20	8Ø20	2.51	2eØ6+X2rØ6+Y2rØ6	30	96.0	Cumple
	P. primera +5.35	50x100	-0.10/4.90	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	30	96.0	Cumple
	P. Baja +0.00	50x100	-3.60/-0.45	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	30	67.6	Cumple
		Sótano -3.80	-	-	4Ø20	8Ø20	8Ø20	1.26	2eØ6+X2rØ6+Y2rØ6	-	65.3
P41	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	77.8	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.1	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	41.1	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	50.1	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	67.2	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.0	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	83.2	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	97.4	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø20	6Ø20	2.29	1eØ8+X1rØ8+Y1rØ8	30	99.3	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	99.3	Cumple
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	81.1	Cumple
		Sótano -3.80	-	-	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	-	79.0
P42	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	77.8	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.1	Cumple
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	41.4	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	51.8	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	69.4	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.9	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	85.3	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	97.6	Cumple
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	8Ø16	8Ø16	2.07	1eØ8+X2rØ8+Y2rØ8	20	100.0	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares												
Hormigón: HA-35, Yc=1.5												
Pilar	Geometría			Armaduras						Aprov. (%)	Estado	
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos				
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)			
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	8Ø16	8Ø16	1.44	1eØ8+X2rØ8+Y2rØ8	20	100.0	Cumple	
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	8Ø16	8Ø16	1.44	1eØ8+X2rØ8+Y2rØ8	20	83.6	Cumple	
	Sótano -3.80	-	-	4Ø25	8Ø16	8Ø16	1.44	1eØ8+X2rØ8+Y2rØ8	-	81.3	Cumple	
P43	Placa solares +35.30	HE 180 A	34.97/35.13							78.6	Cumple	
	Casetón ascensor +35.07	HE 160 A	32.20/34.97	-	-	-	-	-	-	97.8	Cumple	
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	43.0	Cumple	
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	51.9	Cumple	
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	70.5	Cumple	
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.3	Cumple	
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	86.9	Cumple	
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	98.7	Cumple	
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø20	6Ø20	2.29	1eØ8+X1rØ8+Y1rØ8	30	99.2	Cumple	
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	99.2	Cumple	
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	82.3	Cumple	
	Sótano -3.80	-	-	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	-	80.0	Cumple	
P44	Placa solares +35.30	HE 180 A	34.97/35.13							80.9	Cumple	
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	-	-	-	-	-	-	75.0	Cumple	
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	39.5	Cumple	
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	57.1	Cumple	
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	74.1	Cumple	
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	77.9	Cumple	
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	89.2	Cumple	
	P. tercera +14.30	50x50	10.60/13.85	4Ø20	2Ø16	2Ø16	0.82	1eØ6+X1rØ6+Y1rØ6	20	97.5	Cumple	
	P. segunda +10.70	50x50	5.25/10.25	4Ø25	6Ø20	6Ø20	2.29	1eØ8+X1rØ8+Y1rØ8	30	100.0	Cumple	
	P. primera +5.35	60x60	-0.10/4.90	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	99.2	Cumple	
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	30	90.6	Cumple	
	Sótano -3.80	-	-	4Ø25	6Ø20	6Ø20	1.59	1eØ8+X1rØ8+Y1rØ8	-	85.5	Cumple	
P45	Placa solares +35.30	HE 180 A	34.97/35.13							60.9	Cumple	
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	-	-	-	-	-	-	56.3	Cumple	
	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	47.7	Cumple	
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	55.2	Cumple	
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	71.8	Cumple	
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	76.3	Cumple	
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	90.0	Cumple	
	P. tercera +14.30	50x50	10.60/13.85	4Ø20	2Ø16	2Ø16	0.82	1eØ6+X1rØ6+Y1rØ6	15	98.7	Cumple	
	P. segunda +10.70	50x50	5.25/10.25	4Ø20	8Ø20	8Ø20	2.51	1eØ6+X2rØ6+Y2rØ6	30	99.2	Cumple	
	P. primera +5.35	60x60	-0.10/4.90	4Ø20	8Ø20	8Ø20	1.75	1eØ6+X2rØ6+Y2rØ6	30	98.7	Cumple	
	P. Baja +0.00	60x60	-3.60/-0.45	4Ø20	8Ø20	8Ø20	1.75	1eØ6+X2rØ6+Y2rØ6	30	88.2	Cumple	
	Sótano -3.80	-	-	4Ø20	8Ø20	8Ø20	1.75	1eØ6+X2rØ6+Y2rØ6	-	84.4	Cumple	
P46	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	57.6	Cumple	
	P. séptima +28.70	45x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	72.4	Cumple	
	P. sexta +25.10	45x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	84.5	Cumple	
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	75.0	Cumple	
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	83.2	Cumple	
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6	15	83.9	Cumple	
	P. segunda +10.70	Diámetro 60	5.25/10.25	10Ø12	-	-	0.40	1eØ6	15	97.6	Cumple	
	P. primera +5.35	60x60	-0.10/4.90	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	93.9	Cumple	
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16	2Ø16	2Ø16	0.45	1eØ8+X1rØ8+Y1rØ8	8	98.4	Cumple	
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.2	Cumple	
P47	Placa solares +35.30	HE 180 A	34.97/35.13					-	-	-	77.5	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	-							72.1	Cumple
	P. cubierta +32.30	Diámetro 60	28.60/31.85	20Ø16			1.42	1eØ8	5	99.4	Cumple	
	P. séptima +28.70	Diámetro 60	25.00/28.25	20Ø16			1.42	1eØ6	20	48.0	Cumple	
	P. sexta +25.10	Diámetro 60	21.40/24.65	20Ø16			1.42	1eØ6	20	43.7	Cumple	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. quinta +21.50	Diámetro 60	17.80/21.05	20Ø16	-	-	1.42	1eØ6	20	47.9	Cumple
	P. cuarta +17.90	Diámetro 60	14.20/17.45	20Ø16			1.42	1eØ6	20	54.9	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	20Ø16			1.42	1eØ6	20	68.9	Cumple
	P. segunda +10.70	70x70	5.25/10.25	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	61.3	Cumple
	P. primera +5.35	70x70	-0.10/4.90	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	61.8	Cumple
	P. Baja +0.00	70x70	-3.60/-0.45	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	61.8	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	4Ø12	0.44	3eØ6	-	61.2	Cumple
P48	Placa solares +35.30	HE 180 A	34.97/35.13	-			-	-	-	77.4	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							72.1	Cumple
	P. cubierta +32.30	Diámetro 60	28.60/31.85							20Ø16	1.42
	P. séptima +28.70	Diámetro 60	25.00/28.25	20Ø16	1.42	1eØ6	20	46.9	Cumple		
	P. sexta +25.10	Diámetro 60	21.40/24.65	20Ø16	1.42	1eØ6	20	40.1	Cumple		
	P. quinta +21.50	Diámetro 60	17.80/21.05	20Ø16	1.42	1eØ6	20	48.9	Cumple		
	P. cuarta +17.90	Diámetro 60	14.20/17.45	20Ø16	1.42	1eØ6	20	58.4	Cumple		
	P. tercera +14.30	Diámetro 60	10.60/13.85	20Ø16	1.42	1eØ6	20	69.0	Cumple		
	P. segunda +10.70	70x70	5.25/10.25	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	62.3	Cumple
	P. primera +5.35	70x70	-0.10/4.90	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	62.3	Cumple
	P. Baja +0.00	70x70	-3.60/-0.45	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	61.9	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	4Ø12	0.44	3eØ6	-	60.9	Cumple
P49	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	63.7	Cumple
	P. séptima +28.70	Diámetro 50	25.00/28.15	8Ø12	-	-	0.46	1eØ6	15	59.1	Cumple
	P. sexta +25.10	50x50	21.40/24.55	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	51.8	Cumple
	P. quinta +21.50	50x50	17.80/20.95	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	54.6	Cumple
	P. cuarta +17.90	Diámetro 60	14.20/17.35	10Ø12			0.40	1eØ6	15	57.3	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6	15	67.1	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	10Ø12			0.40	1eØ6	15	89.6	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	86.5	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	83.0	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	19.5	Cumple
P50	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	35.3	Cumple
	P. séptima +28.70	50x45	25.00/28.15	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	48.1	Cumple
	P. sexta +25.10	50x45	21.40/24.55	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	57.2	Cumple
	P. quinta +21.50	50x50	17.80/20.95	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	60.2	Cumple
	P. cuarta +17.90	50x50	14.20/17.35	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6+2rØ6	15	77.8	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	93.8	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			-	-	1.56	1eØ6+2rØ6	15
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20	2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15	73.5	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	67.1	Cumple
P51	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	32.8	Cumple
	P. séptima +28.70	50x45	25.00/28.15	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	44.7	Cumple
	P. sexta +25.10	50x45	21.40/24.55	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	55.3	Cumple
	P. quinta +21.50	50x50	17.80/20.95	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	58.4	Cumple
	P. cuarta +17.90	50x50	14.20/17.35	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12			0.40	1eØ6	15	75.4	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	12Ø12			0.48	1eØ6	15	94.3	Cumple
	P. primera +5.35	Diámetro 60	0.30/4.90	12Ø12			-	-	0.48	1eØ6	15
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20	2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15	89.0	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	71.6	Cumple
P52	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	80.6	Cumple
	P. séptima +28.70	50x45	25.00/28.15	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	80.6	Cumple
	P. sexta +25.10	50x45	21.40/24.55	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	78.1	Cumple
	P. quinta +21.50	50x50	17.80/20.95	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	78.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.35	4Ø25	4Ø20	4Ø20	1.79	1eØ8+X2rØ8+Y2rØ8	30	96.9	Cumple





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. tercera +14.30	Diámetro 60	10.60/13.70	18Ø20	-	-	2.00	1eØ8+2rØ8	30	98.5	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	18Ø20			2.00	1eØ6+2rØ6	30	93.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	18Ø20			2.00	1eØ6+2rØ6	30	98.7	Cumple
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20			2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	74.7	Cumple
P53	P. tercera +14.30	Diámetro 60	10.60/13.70	14Ø16	-	-	1.00	1eØ6+2rØ6	20	94.6	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	20	58.3	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø16			1.00	1eØ6+2rØ6	20	69.4	Cumple
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20			2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	47.4	Cumple
P54	P. tercera +14.30	Diámetro 60	10.60/13.70	14Ø16	-	-	1.00	1eØ6+2rØ6	20	96.0	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	20	61.0	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø16			1.00	1eØ6+2rØ6	20	64.1	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16			2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	66.4	Cumple
P55	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	73.8	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	73.8	Cumple
	P. sexta +25.10	50x50	21.40/24.65	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	65.1	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.9	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø25	6Ø16	6Ø16	1.75	1eØ8+X1rØ8+Y1rØ8	20	99.0	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.70	20Ø20	-	-	2.22	1eØ6	30	99.0	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø20			2.22	1eØ6	30	96.4	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	20Ø20			2.22	1eØ6	30	99.8	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16			12Ø16	12Ø16	1.56	1eØ6+X4rØ6+Y4rØ6	20
Sótano -3.80	-	-	4Ø16	12Ø16	12Ø16	1.56	1eØ6+X4rØ6+Y4rØ6	-	92.7	Cumple	
P56	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	33.6	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	50.8	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	59.2	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	61.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.3	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	79.1	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	93.4	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	93.1	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20			2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	86.2	Cumple
P57	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	33.2	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	44.9	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	56.6	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	59.3	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	72.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	77.6	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	93.7	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	90.8	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20			2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	89.5	Cumple
P58	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	33.1	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	45.7	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	57.6	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	60.2	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	73.3	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	77.8	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	90.6	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	90.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20			2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	88.7	Cumple
P59	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	34.1	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	47.0	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	59.5	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	61.7	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	74.6	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	78.2	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	91.4	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	86.5	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20	94.6	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	86.7	Cumple
P60	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	36.4	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	53.3	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	63.7	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	65.5	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	76.9	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	79.4	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	94.5	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	89.7	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20	96.4	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	88.2	Cumple
P61	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	36.7	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	52.3	Cumple
	P. sexta +25.10	50x50	21.40/24.65	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	55.0	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	64.3	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	77.2	Cumple
	P. tercera +14.30	50x50	10.60/13.85	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	84.5	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	12Ø16	-	-	0.85	1eØ6+2rØ6	20	97.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	12Ø16			0.85	1eØ6+2rØ6	20	97.9	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	30	99.7	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	90.4	Cumple
P62	P. cubierta +32.30	40x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.57	1eØ6+X1rØ6+Y1rØ6	15	46.5	Cumple
	P. séptima +28.70	40x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	64.7	Cumple
	P. sexta +25.10	40x50	21.40/24.65	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	70.9	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	65.3	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	77.4	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6	15	79.7	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	12Ø12			0.48	1eØ6	15	99.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	18Ø12			0.72	1eØ6	15	99.4	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	8Ø12	8Ø12	0.85	1eØ6+X2rØ6+Y2rØ6	15	99.1	Cumple
	Sótano -3.80	-	-	4Ø20	8Ø12	8Ø12	0.85	1eØ6+X2rØ6+Y2rØ6	-	88.5	Cumple
P63	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	36.8	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	54.7	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	66.9	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	67.7	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	79.3	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6+2rØ6	15	83.9	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	14Ø16			1.00	1eØ6+2rØ6	15	99.9	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.90	14Ø20			1.56	1eØ6+2rØ6	20	94.6	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	20	96.2	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	89.7	Cumple
P64	P. cubierta +32.30	50x40	28.60/31.85	4Ø12	2Ø12	2Ø12	0.45	1eØ6+X1rØ6+Y1rØ6	15	43.9	Cumple
	P. séptima +28.70	50x45	25.00/28.25	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	54.4	Cumple
	P. sexta +25.10	50x45	21.40/24.65	4Ø12	2Ø12	2Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	15	67.5	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	P. quinta +21.50	50x50	17.80/21.05	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	65.6	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø16	2Ø12	2Ø12	0.50	1eØ6+X1rØ6+Y1rØ6	15	71.6	Cumple
	P. tercera +14.30	Diámetro 60	10.60/13.85	10Ø12	-	-	0.40	1eØ6	15	74.2	Cumple
	P. segunda +10.70	Diámetro 60	5.25/10.25	20Ø12			0.80	1eØ6	15	99.3	Cumple
	P. primera +5.35	60x60	-0.10/4.90	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	30	99.2	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø20	2Ø20	0.70	1eØ6+X1rØ6+Y1rØ6	30	99.2	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø20	2Ø20	0.70	1eØ6	-	18.3	Cumple
P65	P. segunda +10.70	Diámetro 60	5.25/10.03	14Ø16	-	-	1.00	1eØ6+2rØ6	20	46.6	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	62.2	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	10	62.2	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	2Ø12	0.47	1eØ6	-	14.8	Cumple
P66	P. segunda +10.70	50x100	5.25/10.03	4Ø12	4Ø12	10Ø12	0.41	2eØ6+X3rØ6+Y2rØ6	15	62.4	Cumple
	P. primera +5.35	50x100	-0.10/4.78	4Ø12	4Ø12	10Ø12	0.41	2eØ6+X3rØ6+Y2rØ6	15	62.1	Cumple
	P. Baja +0.00	60x120	-3.60/-0.57	4Ø20	4Ø12	6Ø16	0.40	3eØ6+X1rØ6	15	58.1	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	6Ø16	0.40	3eØ6	-	48.0	Cumple
P67	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	42.6	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	54.5	Cumple
	P. Baja +0.00	60x120	-3.60/-0.57	4Ø20	4Ø12	6Ø16	0.40	3eØ6+X1rØ6	15	51.7	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	6Ø16	0.40	3eØ6	-	36.9	Cumple
P68	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	39.7	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	59.0	Cumple
	P. Baja +0.00	60x120	-3.60/-0.57	4Ø20	4Ø12	6Ø16	0.40	3eØ6+X1rØ6	15	56.2	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	6Ø16	0.40	3eØ6	-	37.9	Cumple
P69	P. segunda +10.70	Diámetro 60	5.25/10.03	10Ø12	-	-	0.40	1eØ6+2rØ6	15	55.6	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.78	10Ø12			0.40	1eØ6+2rØ6	15	80.0	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	73.8	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	71.6	Cumple
P70	P. segunda +10.70	Diámetro 60	5.25/10.03	10Ø12	-	-	0.40	1eØ6+2rØ6	15	49.6	Cumple
	P. primera +5.35	Diámetro 60	-0.10/4.78	10Ø12			0.40	1eØ6+2rØ6	15	75.4	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	69.9	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	2Ø16	0.45	1eØ6	-	68.2	Cumple
P71	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	62.9	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	70.2	Cumple
	P. Baja +0.00	60x110	-3.60/-0.57	4Ø20	2Ø12	6Ø16	0.41	2eØ6+X1rØ6+Y1rØ6	15	67.3	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	6Ø16	0.41	1eØ6+X1rØ6	-	50.1	Cumple
P72	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	60.3	Cumple
	P. primera +5.35	Diámetro 90	-0.10/4.78	24Ø12	-	-	0.43	1eØ6	15	45.0	Cumple
	P. Baja +0.00	80x90	-3.60/-0.57	4Ø20	4Ø12	6Ø16	0.40	3eØ6+X1rØ6	15	39.3	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	6Ø16	0.40	2eØ6+X1rØ6	-	39.3	Cumple
P73	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	64.5	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	62.0	Cumple
	P. Baja +0.00	50x90	-3.60/-0.57	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	67.6	Cumple
	Sótano -3.80	-	-	4Ø12	6Ø12	6Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	-	67.6	Cumple
P74	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	74.2	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	68.5	Cumple
	P. Baja +0.00	60x120	-3.60/-0.57	4Ø20	4Ø12	6Ø16	0.40	3eØ6+X1rØ6	15	64.9	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	6Ø16	0.40	3eØ6	-	40.3	Cumple
P75	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	76.1	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	66.1	Cumple
	P. Baja +0.00	50x90	-3.60/-0.57	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	67.0	Cumple
	Sótano -3.80	-	-	4Ø12	6Ø12	6Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	-	66.9	Cumple
P76	P. segunda +10.70	50x90	5.25/10.03	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	80.6	Cumple
	P. primera +5.35	50x90	-0.10/4.78	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	68.5	Cumple
	P. Baja +0.00	50x90	-3.60/-0.57	4Ø12	6Ø12	6Ø12	0.40	2eØ6+X1rØ6+Y1rØ6	15	68.9	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
	Sótano -3.80	-	-	4Ø12	6Ø12	6Ø12	0.40	1eØ6+X1rØ6+Y1rØ6	-	68.6	Cumple
P77	P. segunda +10.70	60x60	5.25/10.03	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	82.7	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	82.7	Cumple
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20	2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15	78.4	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	62.1	Cumple
P78	P. segunda +10.70	60x60	5.25/10.03	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	99.2	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	99.2	Cumple
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20	2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15	90.3	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	62.9	Cumple
P79	P. segunda +10.70	60x60	5.25/10.03	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	89.0	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	90.0	Cumple
	P. Baja +0.00	80x60	-3.60/-0.57	4Ø20	4Ø12	2Ø12	0.40	2eØ6+X1rØ6	15	86.8	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	2Ø12	0.40	2eØ6	-	61.3	Cumple
P80	P. segunda +10.70	Diámetro 60	5.25/10.03	10Ø12	-	-	0.40	1eØ6	15	89.6	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	92.3	Cumple
	P. Baja +0.00	60x80	-3.60/-0.57	4Ø20	2Ø12	4Ø12	0.40	2eØ6+Y1rØ6	15	94.9	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	4Ø12	0.40	2eØ6	-	18.5	Cumple
P81	P. segunda +10.70	60x60	5.25/10.03	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	55.2	Cumple
	P. primera +5.35	Diámetro 70	-0.10/4.78	14Ø12	-	-	0.41	1eØ6	15	62.0	Cumple
	P. Baja +0.00	70x70	-3.60/-0.57	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	55.0	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	4Ø12	0.44	3eØ6	-	48.3	Cumple
P82	P. segunda +10.70	60x60	5.25/10.03	4Ø16	2Ø16	2Ø16	0.45	1eØ6+X1rØ6+Y1rØ6	20	42.9	Cumple
	P. primera +5.35	Diámetro 70	-0.10/4.78	14Ø12	-	-	0.41	1eØ6	15	62.5	Cumple
	P. Baja +0.00	70x70	-3.60/-0.57	4Ø20	4Ø12	4Ø12	0.44	3eØ6	15	55.7	Cumple
	Sótano -3.80	-	-	4Ø20	4Ø12	4Ø12	0.44	3eØ6	-	47.9	Cumple
P83	P. segunda +10.70	Diámetro 60	5.25/10.03	14Ø16	-	-	1.00	1eØ6+2rØ6	20	99.8	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	84.8	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	10	78.4	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	2Ø12	0.47	1eØ6	-	9.9	Cumple
P84	P. segunda +10.70	Diámetro 60	5.25/10.03	14Ø16	-	-	1.00	1eØ6+2rØ6	20	89.2	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	83.8	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	10	99.7	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	2Ø12	0.47	1eØ6	-	19.0	Cumple
P85	P. segunda +10.70	Diámetro 60	5.25/10.03	14Ø16	-	-	1.00	1eØ6+2rØ6	20	96.6	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	99.1	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	10	99.2	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	2Ø12	0.47	1eØ6	-	33.7	Cumple
P86	P. segunda +10.70	Diámetro 60	5.25/10.03	14Ø16	-	-	1.00	1eØ6+2rØ6	20	68.9	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	15	71.0	Cumple
	P. Baja +0.00	60x60	-3.60/-0.57	4Ø20	2Ø12	2Ø12	0.47	1eØ6+X1rØ6+Y1rØ6	10	99.1	Cumple
	Sótano -3.80	-	-	4Ø20	2Ø12	2Ø12	0.47	1eØ6	-	24.8	Cumple
P87	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	95.9	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	31.0	Cumple
P87a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	65.4	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	83.9	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	78.8	Cumple
P88	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	95.8	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	24.2	Cumple
P88a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	65.3	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	72.3	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	70.7	Cumple
P89	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	93.1	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	22.8	Cumple





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
P89a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	64.6	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	70.2	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	69.9	Cumple
P90	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	90.0	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	23.7	Cumple
P90a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	67.7	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	73.0	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	72.8	Cumple
P91	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	98.1	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	25.6	Cumple
P91a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	71.3	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	75.3	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	75.3	Cumple
P92	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	93.7	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	24.9	Cumple
P92a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	75.1	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	77.3	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	77.3	Cumple
P93	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	93.3	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	26.1	Cumple
P93a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	74.8	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	77.8	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	77.8	Cumple
P94	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	95.0	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	31.4	Cumple
P94a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	78.1	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	82.7	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	82.7	Cumple
P95	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	94.1	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	25.6	Cumple
P95a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	79.1	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	84.6	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	84.6	Cumple
P96	P. Baja +0.00	50x80	-3.60/-0.57	4Ø16	2Ø16	4Ø12	0.41	2eØ6+Y1rØ6	5	82.9	Cumple
	Sótano -3.80	-	-	4Ø16	2Ø16	4Ø12	0.41	2eØ6	-	7.2	Cumple
P96a	P. segunda +10.70	Diámetro 60	5.25/10.03	20Ø20	-	-	2.22	1eØ6	30	70.7	Cumple
	P. primera +5.35	60x60	-0.10/4.78	4Ø20	4Ø20	4Ø20	1.05	3eØ8	20	79.4	Cumple
	P. Baja +0.00	-	-	4Ø20	4Ø20	4Ø20	1.05	3eØ8	-	71.2	Cumple
P97	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	60.0	Cumple
P98	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	62.5	Cumple
P99	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	67.2	Cumple
P100	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	61.9	Cumple
P101	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	67.0	Cumple
P102	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	58.9	Cumple
P103	Casetón ascensor +35.07	HE 240 B	32.20/34.67	-	-	-	-	-	-	60.5	Cumple
P104	Casetón ascensor +35.07	HE 240 B	32.20/34.67	-	-	-	-	-	-	57.8	Cumple
P105	Casetón ascensor +35.07	HE 240 B	32.20/34.67	-	-	-	-	-	-	52.0	Cumple
P106	Casetón ascensor +35.07	HE 240 B	32.20/34.67	-	-	-	-	-	-	52.1	Cumple
P107	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	65.8	Cumple
P108	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	62.2	Cumple
P109	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	70.4	Cumple
P110	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	62.5	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
P111	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	59.9	Cumple
P112	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	67.1	Cumple
P113	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	61.5	Cumple
P114	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	66.7	Cumple
P115	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	60.6	Cumple
P116	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	62.3	Cumple
P117	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	67.1	Cumple
P118	Casetón ascensor +35.07	HE 100 B	32.20/34.81	-	-	-	-	-	-	57.1	Cumple
P119	Casetón ascensor +35.07	HE 200 B	32.20/34.73	-	-	-	-	-	-	60.8	Cumple
P121	P. cubierta +32.30	40x40	28.60/31.85	4Ø20	6Ø12	6Ø12	1.63	1eØ6+X1rØ6+Y1rØ6	15	92.9	Cumple
	P. séptima +28.70	45x45	25.00/28.15	4Ø20	6Ø12	6Ø12	1.29	1eØ6+X1rØ6+Y1rØ6	15	92.9	Cumple
	P. sexta +25.10	45x45	21.40/24.55	4Ø20	6Ø12	6Ø12	1.29	1eØ6+X1rØ6+Y1rØ6	15	76.6	Cumple
	P. quinta +21.50	50x50	17.80/20.95	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	15	97.5	Cumple
	P. cuarta +17.90	50x50	14.20/17.35	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	15	97.5	Cumple
	P. tercera +14.30	-	-	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	-	78.7	Cumple
P122	P. cubierta +32.30	40x40	28.60/31.85	4Ø20	6Ø12	6Ø12	1.63	1eØ6+X1rØ6+Y1rØ6	15	92.7	Cumple
	P. séptima +28.70	45x45	25.00/28.25	4Ø20	6Ø12	6Ø12	1.29	1eØ6+X1rØ6+Y1rØ6	15	92.7	Cumple
	P. sexta +25.10	45x45	21.40/24.65	4Ø20	6Ø12	6Ø12	1.29	1eØ6+X1rØ6+Y1rØ6	15	66.5	Cumple
	P. quinta +21.50	50x50	17.80/21.05	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	15	84.8	Cumple
	P. cuarta +17.90	50x50	14.20/17.45	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	15	84.8	Cumple
	P. tercera +14.30	-	-	4Ø20	6Ø12	6Ø12	1.05	1eØ6+X1rØ6+Y1rØ6	-	78.0	Cumple
P123	Placa solares +35.30	HE 140 A	34.97/35.11	-	-	-	-	-	-	81.3	Cumple
	Casetón ascensor +35.07	HE 140 A	32.20/34.97							76.4	Cumple
P124	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	87.1	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							81.1	Cumple
P125	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.4	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.7	Cumple
P126	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.5	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.9	Cumple
P127	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.5	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							80.0	Cumple
P128	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.6	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							80.3	Cumple
P129	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.2	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.6	Cumple
P130	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.3	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.5	Cumple
P131	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.4	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.7	Cumple
P132	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.5	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.6	Cumple
P133	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.5	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.8	Cumple
P134	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	85.2	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							79.3	Cumple
P135	Placa solares +35.30	HE 180 A	34.97/35.13	-	-	-	-	-	-	84.1	Cumple
	Casetón ascensor +35.07	HE 180 A	32.20/34.97							78.3	Cumple
P136	Placa solares +35.30	HE 160 A	34.97/35.13	-	-	-	-	-	-	62.3	Cumple
	Casetón ascensor +35.07	HE 160 A	32.20/34.97							58.1	Cumple
P137	Casetón ascensor +35.07	HE 200 B	32.20/34.81	-	-	-	-	-	-	34.1	Cumple
P138	Casetón ascensor +35.07	HE 200 B	32.20/34.73	-	-	-	-	-	-	62.5	Cumple
P139	Casetón ascensor +35.07	HE 200 B	32.20/34.81	-	-	-	-	-	-	63.4	Cumple



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Armado de pilares											
Hormigón: HA-35, Yc=1.5											
Pilar	Geometría			Armaduras						Aprov. (%)	Estado
	Planta	Dimensiones (cm)	Tramo (m)	Barras				Estribos			
				Esquina	Cara X	Cara Y	Cuantía (%)	Descripción <sup>(1)</sup>	Separación (cm)		
Notas: <sup>(1)</sup> e = estribo, r = rama											

## 3. ESFUERZOS DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS

■ Tramo: Nivel inicial / nivel final del tramo entre plantas.

■ Nota:

Los esfuerzos están referidos a ejes locales del pilar.

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	156.0	-28.6	24.9	-16.2	14.1	0.0	143.2	24.1	-20.9	-16.2	14.1	0.0
				Cargas muertas	173.3	-4.5	4.0	-1.9	2.1	0.0	173.3	1.7	-2.7	-1.9	2.1	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	121.6	-16.2	13.4	-11.2	9.0	0.0	121.6	20.2	-15.7	-11.2	9.0	0.0
				Viento +X exc.+	-0.7	3.2	0.4	1.9	0.2	-0.0	-0.7	-3.0	-0.3	1.9	0.2	-0.0
				Viento +X exc.-	-0.7	3.2	0.1	1.9	0.0	0.0	-0.7	-3.0	-0.0	1.9	0.0	0.0
				Viento -X exc.+	0.7	-3.2	-0.4	-1.9	-0.2	0.0	0.7	3.0	0.3	-1.9	-0.2	0.0
				Viento -X exc.-	0.7	-3.2	-0.1	-1.9	-0.0	0.0	0.7	3.0	0.0	-1.9	-0.0	0.0
				Viento +Y exc.+	2.7	-0.1	14.3	-0.1	7.5	0.0	2.7	0.3	-10.1	-0.1	7.5	0.0
				Viento +Y exc.-	3.7	0.9	20.1	0.4	10.7	-0.0	3.7	-0.5	-14.8	0.4	10.7	-0.0
				Viento -Y exc.+	-2.7	0.1	-14.3	0.1	-7.5	-0.0	-2.7	-0.3	10.1	0.1	-7.5	-0.0
				Viento -Y exc.-	-3.7	-0.9	-20.1	-0.4	-10.7	0.0	-3.7	0.5	-14.8	-0.4	-10.7	0.0
	P. séptima +28.70	Diámetro 50	25.00/28.25	Peso propio	317.1	-36.0	33.0	-22.0	20.2	-0.0	301.5	35.5	-32.7	-22.0	20.2	-0.0
				Cargas muertas	325.8	-11.2	8.6	-6.7	5.0	0.0	325.8	10.7	-7.6	-6.7	5.0	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	172.8	-11.4	11.1	-6.0	6.1	-0.0	172.8	8.2	-8.6	-6.0	6.1	-0.0
				Viento +X exc.+	-3.2	5.3	0.4	4.1	0.3	-0.0	-3.2	-8.0	-0.5	4.1	0.3	-0.0
				Viento +X exc.-	-3.6	5.2	-0.1	4.0	-0.1	0.0	-3.6	-7.9	0.2	4.0	-0.1	0.0
				Viento -X exc.+	3.2	-5.3	-0.4	-4.1	-0.3	0.0	3.2	8.0	0.5	-4.1	-0.3	0.0
				Viento -X exc.-	3.6	-5.2	0.1	-4.0	0.1	0.0	3.6	7.9	-0.2	-4.0	0.1	0.0
				Viento +Y exc.+	12.5	-0.3	20.0	-0.5	11.7	0.0	12.5	1.4	-18.2	-0.5	11.7	0.0
				Viento +Y exc.-	17.9	1.2	29.2	0.6	18.2	-0.0	17.9	-0.7	-30.1	0.6	18.2	-0.0
				Viento -Y exc.+	-12.5	0.3	-20.0	0.5	-11.7	-0.0	-12.5	-1.4	18.2	0.5	-11.7	-0.0
				Viento -Y exc.-	-17.9	-1.2	-29.2	-0.6	-18.2	0.0	-17.9	0.7	-30.1	-0.6	-18.2	0.0
	P. sexta +25.10	Diámetro 50	21.40/24.65	Peso propio	477.5	-32.9	29.8	-20.8	18.7	0.0	461.9	34.8	-31.0	-20.8	18.7	0.0
				Cargas muertas	477.7	-12.1	10.0	-7.4	6.0	0.0	477.7	11.9	-9.5	-7.4	6.0	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	222.5	-12.8	11.6	-8.3	7.3	0.0	222.5	14.1	-12.3	-8.3	7.3	0.0
				Viento +X exc.+	-6.9	7.2	0.5	5.5	0.4	-0.0	-6.9	-10.6	-0.7	5.5	0.4	-0.0
				Viento +X exc.-	-7.6	7.1	-0.1	5.4	-0.1	0.0	-7.6	-10.4	0.1	5.4	-0.1	0.0
				Viento -X exc.+	6.9	-7.2	-0.5	-5.5	-0.4	0.0	6.9	10.6	0.7	-5.5	-0.4	0.0
				Viento -X exc.-	7.6	-7.1	0.1	-5.4	0.1	0.0	7.6	10.4	-0.1	-5.4	0.1	0.0
				Viento +Y exc.+	22.3	-1.9	13.0	-1.5	7.5	0.1	22.3	3.0	-11.4	-1.5	7.5	0.1
				Viento +Y exc.-	33.5	0.0	23.6	-0.1	15.1	-0.0	33.5	0.4	-25.4	-0.1	15.1	-0.0
				Viento -Y exc.+	-22.3	1.9	-13.0	1.5	-7.5	-0.1	-22.3	-3.0	11.4	1.5	-7.5	-0.1
				Viento -Y exc.-	-33.5	-0.0	-23.6	0.1	-15.1	0.0	-33.5	-0.4	25.4	0.1	-15.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	642.5	-25.2	21.3	-19.6	17.1	0.0	622.6	38.6	-34.3	-19.6	17.1	0.0
				Cargas muertas	629.1	-1.3	-1.9	-3.9	1.9	0.0	629.1	11.4	-8.0	-3.9	1.9	0.0
				H 1	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	272.3	-8.8	7.2	-7.0	6.0	0.0	272.3	13.9	-12.1	-7.0	6.0	0.0
				Viento +X exc.+	-11.9	9.0	0.6	7.2	0.5	-0.0	-11.9	-14.3	-0.9	7.2	0.5	-0.0
				Viento +X exc.-	-13.0	8.9	-0.2	7.0	-0.1	0.0	-13.0	-14.0	0.1	7.0	-0.1	0.0
				Viento -X exc.+	11.9	-9.0	-0.6	-7.2	-0.5	0.0	11.9	14.3	0.9	-7.2	-0.5	0.0
				Viento -X exc.-	13.0	-8.9	0.2	-7.0	0.1	-0.0	13.0	14.0	-0.1	-7.0	0.1	-0.0
				Viento +Y exc.+	32.0	-1.2	16.4	-1.5	9.7	0.2	32.0	3.7	-15.0	-1.5	9.7	0.2
				Viento +Y exc.-	50.6	1.5	30.0	0.4	19.6	0.0	50.6	0.1	-33.6	0.4	19.6	0.0
				Viento -Y exc.+	-32.0	1.2	-16.4	1.5	-9.7	-0.2	-32.0	-3.7	15.0	1.5	-9.7	-0.2
				Viento -Y exc.-	-50.6	-1.5	-30.0	-0.4	-19.6	-0.0	-50.6	-0.1	33.6	-0.4	-19.6	-0.0
	P. cuarta +17.90	Diámetro 60	14.20/17.45	Peso propio	813.7	-28.8	25.4	-15.1	12.6	0.0	791.2	20.3	-15.7	-15.1	12.6	0.0
				Cargas muertas	783.3	-2.8	0.4	0.8	-2.5	0.0	783.3	-5.3	8.6	0.8	-2.5	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	323.1	-10.0	9.3	-5.2	4.3	0.0	323.1	6.9	-4.7	-5.2	4.3	0.0
				Viento +X exc.+	-18.0	12.9	0.7	9.0	0.8	-0.0	-18.0	-16.5	-2.0	9.0	0.8	-0.0
				Viento +X exc.-	-19.6	12.8	-0.3	8.9	0.2	0.0	-19.6	-16.2	-0.9	8.9	0.2	0.0
				Viento -X exc.+	18.0	-12.9	-0.7	-9.0	-0.8	0.0	18.0	16.5	2.0	-9.0	-0.8	0.0
				Viento -X exc.-	19.6	-12.8	0.3	-8.9	-0.2	0.0	19.6	16.2	0.9	-8.9	-0.2	0.0
				Viento +Y exc.+	41.9	-2.9	12.7	-2.3	6.7	0.3	41.9	4.6	-9.0	-2.3	6.7	0.3
				Viento +Y exc.-	69.2	0.3	31.4	0.2	18.5	0.0	69.2	-0.4	-28.7	0.2	18.5	0.0
				Viento -Y exc.+	-41.9	2.9	-12.7	2.3	-6.7	-0.3	-41.9	-4.6	9.0	2.3	-6.7	-0.3
				Viento -Y exc.-	-69.2	-0.3	-31.4	-0.2	-18.5	-0.0	-69.2	0.4	28.7	-0.2	-18.5	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	981.5	-42.3	38.2	-25.6	24.0	-0.0	959.0	40.8	-39.8	-25.6	24.0	-0.0
				Cargas muertas	937.3	-17.5	12.3	-9.9	8.0	-0.0	937.3	14.8	-13.7	-9.9	8.0	-0.0
				H 1	-0.3	0.1	-0.1	0.0	-0.1	0.0	-0.3	-0.0	0.1	0.0	-0.1	0.0
				Sobrecarga de uso	372.4	-17.2	12.6	-10.1	8.1	0.0	372.4	15.7	-13.8	-10.1	8.1	0.0
				Viento +X exc.+	-24.7	14.4	-0.7	9.8	0.6	-0.0	-24.7	-17.4	-2.5	9.8	0.6	-0.0
				Viento +X exc.-	-26.9	14.3	-2.0	9.7	-0.2	-0.0	-26.9	-17.0	-1.3	9.7	-0.2	-0.0
				Viento -X exc.+	24.7	-14.4	0.7	-9.8	-0.6	0.0	24.7	17.4	2.5	-9.8	-0.6	0.0
				Viento -X exc.-	26.9	-14.3	2.0	-9.7	0.2	0.0	26.9	17.0	1.3	-9.7	0.2	0.0
				Viento +Y exc.+	51.9	-0.6	21.6	-2.3	10.4	0.3	51.9	6.7	-12.1	-2.3	10.4	0.3
				Viento +Y exc.-	88.8	1.2	45.0	-0.1	23.7	0.1	88.8	1.6	-32.0	-0.1	23.7	0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1199.6	-32.2	24.4	-12.7	9.0	0.0	1165.0	31.5	-20.4	-12.7	9.0	0.0
				Cargas muertas	1042.5	-6.8	-5.7	-3.4	-1.4	0.0	1042.5	10.4	1.5	-3.4	-1.4	0.0
				H 1	-0.3	-0.2	0.2	-0.0	0.0	0.0	-0.3	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	429.6	-12.3	7.0	-4.9	2.7	0.0	429.6	12.4	-6.3	-4.9	2.7	0.0
				Viento +X exc.+	-31.9	22.0	5.0	8.9	2.3	-0.1	-31.9	-22.4	-6.4	8.9	2.3	-0.1
				Viento +X exc.-	-34.5	21.5	3.7	8.6	1.8	-0.0	-34.5	-21.7	-5.2	8.6	1.8	-0.0
				Viento -X exc.+	31.9	-22.0	-5.0	-8.9	-2.3	0.1	31.9	22.4	6.4	-8.9	-2.3	0.1
				Viento -X exc.-	34.5	-21.5	-3.7	-8.6	-1.8	0.0	34.5	21.7	5.2	-8.6	-1.8	0.0
				Viento +Y exc.+	60.9	-12.9	3.6	-5.6	0.4	0.3	60.9	15.2	1.4	-5.6	0.4	0.3
				Viento +Y exc.-	105.9	-4.6	24.8	-2.0	7.9	0.1	105.9	5.4	-14.7	-2.0	7.9	0.1
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	1436.7	-16.9	15.9	-10.9	9.7	0.0	1392.6	37.5	-32.7	-10.9	9.7	0.0
				Cargas muertas	1331.8	1.0	-9.6	-0.3	-4.7	0.0	1331.8	2.4	13.7	-0.3	-4.7	0.0
				H 1	-0.4	0.8	-1.1	0.1	-0.3	0.0	-0.4	0.1	0.3	0.1	-0.3	0.0
				Sobrecarga de uso	485.3	-6.3	4.2	-4.0	2.6	0.0	485.3	13.8	-8.8	-4.0	2.6	0.0
				Viento +X exc.+	-37.2	54.7	13.0	13.2	3.2	-0.1	-37.2	-11.1	-3.1	13.2	3.2	-0.1
				Viento +X exc.-	-40.3	53.3	9.9	12.8	2.4	-0.0	-40.3	-10.8	-2.3	12.8	2.4	-0.0
				Viento -X exc.+	37.2	-54.7	-13.0	-13.2	-3.2	0.1	37.2	11.1	3.1	-13.2	-3.2	0.1
				Viento -X exc.-	40.3	-53.3	-9.9	-12.8	-2.4	0.0	40.3	10.8	2.3	-12.8	-2.4	0.0
				Viento +Y exc.+	68.9	-26.8	18.4	-6.4	5.4	0.2	68.9	5.1	-8.8	-6.4	5.4	0.2
				Viento +Y exc.-	121.2	-6.8	63.1	-1.6	16.8	0.1	121.2	1.3	-20.7	-1.6	16.8	0.1
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	436.8	2.7	0.2	10.4	1.0	-0.1	949.8	-13.5	12.7	39.8	-33.3	0.0
				Cargas muertas	360.5	2.8	-1.8	9.2	-5.0	-0.0	866.2	-7.2	4.6	25.8	-19.0	-0.0
				H 1	-19.0	2.6	-3.0	5.1	-6.2	-0.1	10.4	-1.8	1.7	3.3	-3.7	0.0
				Sobrecarga de uso	135.4	1.0	-0.1	3.5	-0.3	-0.0	318.9	-4.7	3.9	13.5	-10.8	0.0
				Viento +X exc.+	-13.9	0.3	0.4	1.6	1.7	-0.1	-46.1	17.4	1.8	-33.3	-4.5	0.4
				Viento +X exc.-	-15.7	0.3	0.3	1.5	1.5	-0.1	-49.2	17.1	0.8	-32.8	-2.7	0.4
				Viento -X exc.+	13.9	-0.3	-0.4	-1.6	-1.7	0.1	46.1	-17.4	-1.8	33.3	4.5	-0.4
				Viento -X exc.-	15.7	-0.3	-0.3	-1.5	-1.5	0.1	49.2	-17.1	-0.8	32.8	2.7	-0.4
				Viento +Y exc.+	147.6	1.3	10.8	12.4	31.3	-0.1	92.6	-12.0	6.7	33.6	5.0	0.0
				Viento +Y exc.-	175.9	1.7	12.0	14.8	35.0	-0.2	142.2	-7.8	20.7	25.6	-20.9	0.4
	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	230.1	3.3	29.6	2.1	16.3	0.0	217.3	-3.4	-23.3	2.1	16.3	0.0
				Cargas muertas	177.2	0.2	-4.2	0.0	-2.6	0.0	177.2	0.1	4.1	0.0	-2.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	190.3	2.6	16.7	2.0	10.9	0.0	190.3	-4.0	-18.7	2.0	10.9	0.0
				Viento +X exc.+	0.3	4.7	0.6	2.5	0.3	-0.0	0.3	-3.5	-0.4	2.5	0.3	-0.0
				Viento +X exc.-	0.2	4.7	0.2	2.5	0.1	0.0	0.2	-3.4	-0.1	2.5	0.1	0.0
				Viento -X exc.+	-0.3	-4.7	-0.6	-2.5	-0.3	0.0	-0.3	3.5	0.4	-2.5	-0.3	0.0
				Viento -X exc.-	-0.2	-4.7	-0.2	-2.5	-0.1	0.0	-0.2	3.4	0.1	-2.5	-0.1	0.0
				Viento +Y exc.+	5.5	-0.2	16.4	-0.2	8.6	0.0	5.5	0.4	-11.8	-0.2	8.6	0.0
				Viento +Y exc.-	7.2	1.3	22.2	0.6	11.9	-0.0	7.2	-0.6	-16.4	0.6	11.9	-0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	455.8	4.1	45.3	2.5	28.0	-0.0	439.7	-4.0	-45.6	2.5	28.0	-0.0
				Cargas muertas	340.5	1.0	-1.5	0.7	-1.4	0.0	340.5	-1.1	3.0	0.7	-1.4	0.0
				H 1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	262.4	0.7	15.8	0.2	9.0	-0.0	262.4	0.2	-13.3	0.2	9.0	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.9	10.0	0.7	7.1	0.5	-0.0	0.9	-13.0	-0.8	7.1	0.5	-0.0
				Viento +X exc.-	0.4	9.8	0.1	7.0	0.1	0.0	0.4	-12.8	-0.1	7.0	0.1	0.0
				Viento -X exc.+	-0.9	-10.0	-0.7	-7.1	-0.5	0.0	-0.9	13.0	0.8	-7.1	-0.5	0.0
				Viento -X exc.-	-0.4	-9.8	-0.1	-7.0	-0.1	0.0	-0.4	12.8	0.1	-7.0	-0.1	0.0
				Viento +Y exc.+	18.0	-0.8	24.7	-0.8	15.1	0.0	18.0	1.8	-24.3	-0.8	15.1	0.0
				Viento +Y exc.-	25.3	1.9	34.7	1.1	22.0	-0.0	25.3	-1.6	-36.9	1.1	22.0	-0.0
				Viento -Y exc.+	-18.0	0.8	-24.7	0.8	-15.1	-0.0	-18.0	-1.8	24.3	0.8	-15.1	-0.0
				Viento -Y exc.-	-25.3	-1.9	-34.7	-1.1	-22.0	0.0	-25.3	1.6	-36.9	-1.1	-22.0	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	681.5	3.5	30.9	2.2	21.0	0.0	665.4	-3.8	-37.5	2.2	21.0	0.0
				Cargas muertas	503.5	0.9	-6.0	0.6	-2.8	0.0	503.5	-0.9	3.1	0.6	-2.8	0.0
				H 1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	334.8	1.2	11.7	0.8	8.2	0.0	334.8	-1.5	-14.9	0.8	8.2	0.0
				Viento +X exc.+	1.5	12.4	0.8	8.7	0.5	-0.0	1.5	-16.0	-1.0	8.7	0.5	-0.0
				Viento +X exc.-	0.7	12.2	0.1	8.6	0.1	0.0	0.7	-15.7	-0.1	8.6	0.1	0.0
				Viento -X exc.+	-1.5	-12.4	-0.8	-8.7	-0.5	0.0	-1.5	16.0	1.0	-8.7	-0.5	0.0
				Viento -X exc.-	-0.7	-12.2	-0.1	-8.6	-0.1	0.0	-0.7	15.7	0.1	-8.6	-0.1	0.0
				Viento +Y exc.+	30.2	-2.8	17.3	-2.1	10.5	0.1	30.2	4.0	-16.8	-2.1	10.5	0.1
				Viento +Y exc.-	44.7	0.6	28.3	0.2	18.2	-0.0	44.7	-0.0	-30.8	0.2	18.2	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -Y exc.+	-30.2	2.8	-17.3	2.1	-10.5	-0.1	-30.2	-4.0	16.8	2.1	-10.5	-0.1
				Viento -Y exc.-	-44.7	-0.6	-28.3	-0.2	-18.2	0.0	-44.7	0.0	30.8	-0.2	-18.2	0.0
				Peso propio	912.4	3.8	43.0	2.5	24.9	0.0	892.5	-4.3	-37.9	2.5	24.9	0.0
				Cargas muertas	667.6	0.5	-2.9	0.4	-3.7	0.0	667.6	-0.9	9.2	0.4	-3.7	0.0
				H 1	0.1	0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	407.6	1.1	15.9	0.7	8.9	0.0	407.6	-1.1	-13.0	0.7	8.9	0.0
				Viento +X exc.+	2.4	18.5	0.9	12.6	0.7	-0.0	2.4	-22.5	-1.3	12.6	0.7	-0.0
				Viento +X exc.-	1.1	18.2	0.0	12.4	0.1	0.0	1.1	-22.2	-0.2	12.4	0.1	0.0
				Viento -X exc.+	-2.4	-18.5	-0.9	-12.6	-0.7	0.0	-2.4	22.5	1.3	-12.6	-0.7	0.0
				Viento -X exc.-	-1.1	-18.2	-0.0	-12.4	-0.1	-0.0	-1.1	22.2	0.2	-12.4	-0.1	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento +Y exc.+	42.3	-4.0	22.8	-2.9	13.6	0.2	42.3	5.5	-21.3	-2.9	13.6	0.2
				Viento +Y exc.-	65.9	0.6	38.3	0.2	24.0	0.0	65.9	-0.0	-39.7	0.2	24.0	0.0
				Viento -Y exc.+	-42.3	4.0	-22.8	2.9	-13.6	-0.2	-42.3	-5.5	21.3	2.9	-13.6	-0.2
				Viento -Y exc.-	-65.9	-0.6	-38.3	-0.2	-24.0	-0.0	-65.9	0.0	39.7	-0.2	-24.0	-0.0
				Peso propio	1140.1	2.5	22.3	1.5	18.1	0.0	1120.2	-2.2	-36.4	1.5	18.1	0.0
				Cargas muertas	829.3	-0.2	-17.6	-0.1	-7.2	0.0	829.3	0.3	5.9	-0.1	-7.2	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	478.8	0.7	7.8	0.4	6.5	0.0	478.8	-0.5	-13.4	0.4	6.5	0.0
				Viento +X exc.+	3.7	20.6	0.9	13.7	0.8	-0.0	3.7	-24.0	-1.7	13.7	0.8	-0.0
				Viento +X exc.-	1.7	20.3	-0.1	13.5	0.2	0.0	1.7	-23.6	-0.6	13.5	0.2	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento -X exc.+	-3.7	-20.6	-0.9	-13.7	-0.8	0.0	-3.7	24.0	1.7	-13.7	-0.8	0.0
				Viento -X exc.-	-1.7	-20.3	0.1	-13.5	-0.2	0.0	-1.7	23.6	0.6	-13.5	-0.2	0.0
				Viento +Y exc.+	53.8	-5.2	17.6	-3.8	10.4	0.2	53.8	7.2	-16.1	-3.8	10.4	0.2
				Viento +Y exc.-	88.1	-0.4	34.8	-0.4	21.4	0.0	88.1	1.0	-34.6	-0.4	21.4	0.0
				Viento -Y exc.+	-53.8	5.2	-17.6	3.8	-10.4	-0.2	-53.8	-7.2	16.1	3.8	-10.4	-0.2
				Viento -Y exc.-	-88.1	0.4	-34.8	0.4	-21.4	-0.0	-88.1	-1.0	34.6	0.4	-21.4	-0.0
				Peso propio	1373.3	3.9	36.9	2.2	18.2	-0.0	1350.8	-3.4	-22.3	2.2	18.2	-0.0
				Cargas muertas	993.8	1.3	3.6	0.6	-4.2	-0.0	993.8	-0.7	17.3	0.6	-4.2	-0.0
				H 1	0.2	-0.0	-0.5	0.0	-0.2	0.0	0.2	-0.0	0.1	0.0	-0.2	0.0
				Sobrecarga de uso	551.0	0.8	12.3	0.4	5.8	0.0	551.0	-0.7	-6.5	0.4	5.8	0.0
				Viento +X exc.+	5.3	26.5	0.2	17.1	0.9	-0.0	5.3	-29.1	-2.7	17.1	0.9	-0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento +X exc.-	2.6	26.3	-1.0	16.9	0.1	-0.0	2.6	-28.6	-1.5	16.9	0.1	-0.0
				Viento -X exc.+	-5.3	-26.5	-0.2	-17.1	-0.9	0.0	-5.3	29.1	2.7	-17.1	-0.9	0.0
				Viento -X exc.-	-2.6	-26.3	1.0	-16.9	-0.1	0.0	-2.6	28.6	1.5	-16.9	-0.1	0.0
				Viento +Y exc.+	65.9	-5.0	27.2	-4.6	14.2	0.3	65.9	10.0	-19.0	-4.6	14.2	0.3
				Viento +Y exc.-	112.3	0.2	49.7	-0.5	27.4	0.1	112.3	1.8	-39.3	-0.5	27.4	0.1
				Viento -Y exc.+	-65.9	5.0	-27.2	4.6	-14.2	-0.3	-65.9	-10.0	19.0	4.6	-14.2	-0.3
				Viento -Y exc.-	-112.3	-0.2	-49.7	0.5	-27.4	-0.1	-112.3	-1.8	39.3	0.5	-27.4	-0.1
				Peso propio	1652.9	2.9	28.8	0.9	11.7	0.0	1618.3	-1.8	-29.7	0.9	11.7	0.0
				Cargas muertas	1118.6	-1.0	-25.1	-0.2	-5.9	0.0	1118.6	-0.0	4.7	-0.2	-5.9	0.0
				H 1	0.3	0.1	2.0	0.0	0.5	0.0	0.3	-0.0	-0.7	0.0	0.5	0.0
				Sobrecarga de uso	632.2	0.6	9.8	0.2	4.1	0.0	632.2	-0.5	-10.5	0.2	4.1	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +X exc.+	8.0	33.5	5.6	13.1	2.3	-0.1	8.0	-32.2	-6.2	13.1	2.3	-0.1
				Viento +X exc.-	4.6	32.7	4.2	12.8	1.9	-0.0	4.6	-31.4	-5.1	12.8	1.9	-0.0
				Viento -X exc.+	-8.0	-33.5	-5.6	-13.1	-2.3	0.1	-8.0	32.2	6.2	-13.1	-2.3	0.1
				Viento -X exc.-	-4.6	-32.7	-4.2	-12.8	-1.9	0.0	-4.6	31.4	5.1	-12.8	-1.9	0.0
				Viento +Y exc.+	74.4	-18.2	11.9	-7.6	3.4	0.3	74.4	19.6	-5.1	-7.6	3.4	0.3
				Viento +Y exc.-	132.0	-5.9	32.8	-2.5	10.7	0.1	132.0	6.6	-20.6	-2.5	10.7	0.1
				Viento -Y exc.+	-74.4	18.2	-11.9	7.6	-3.4	-0.3	-74.4	-19.6	5.1	7.6	-3.4	-0.3
				Viento -Y exc.-	-132.0	5.9	-32.8	2.5	-10.7	-0.1	-132.0	-6.6	20.6	2.5	-10.7	-0.1
				Peso propio	1925.5	0.8	32.1	0.6	12.4	0.0	1890.8	-2.0	-30.0	0.6	12.4	0.0
				Cargas muertas	1403.6	-1.3	-3.0	-0.7	-5.9	0.0	1403.6	2.1	26.3	-0.7	-5.9	0.0
				H 1	0.0	-0.1	-9.3	-0.0	-2.4	0.0	0.0	0.0	2.8	-0.0	-2.4	0.0
				Sobrecarga de uso	710.6	0.0	10.9	0.0	4.2	0.0	710.6	-0.2	-10.0	0.0	4.2	0.0
				Viento +X exc.+	12.4	38.7	6.5	11.1	1.8	-0.0	12.4	-16.8	-2.7	11.1	1.8	-0.0
				Viento +X exc.-	8.3	37.8	5.0	10.8	1.4	-0.0	8.3	-16.3	-2.1	10.8	1.4	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x60	-3.60/-0.45	Viento -X exc.+	-12.4	-38.7	-6.5	-11.1	-1.8	0.0	-12.4	16.8	2.7	-11.1	-1.8	0.0
				Viento -X exc.-	-8.3	-37.8	-5.0	-10.8	-1.4	0.0	-8.3	16.3	2.1	-10.8	-1.4	0.0
				Viento +Y exc.+	81.2	-19.4	17.7	-5.5	5.4	0.2	81.2	8.1	-9.1	-5.5	5.4	0.2
				Viento +Y exc.-	149.7	-5.6	40.6	-1.6	11.7	0.0	149.7	2.2	-17.9	-1.6	11.7	0.0
				Viento -Y exc.+	-81.2	19.4	-17.7	5.5	-5.4	-0.2	-81.2	-8.1	9.1	5.5	-5.4	-0.2
				Viento -Y exc.-	-149.7	5.6	-40.6	1.6	-11.7	-0.0	-149.7	-2.2	17.9	1.6	-11.7	-0.0
				Peso propio	494.1	-0.1	39.3	-0.6	43.6	0.0	1304.4	0.3	-46.8	-0.2	36.3	-0.0
				Cargas muertas	341.5	-0.1	28.3	-0.5	31.6	0.0	953.0	0.2	-39.6	-0.7	33.5	-0.1
				H 1	71.1	-0.3	-43.1	-1.2	-56.5	-0.1	-31.7	0.2	5.2	-1.2	23.5	-0.1
				Sobrecarga de uso	171.3	-0.1	14.0	-0.3	15.7	0.0	477.5	0.1	-16.7	0.0	13.2	-0.0
				Viento +X exc.+	4.9	1.0	-0.8	4.5	-0.8	-0.0	3.6	9.1	3.0	-17.8	-1.9	0.1
				Viento +X exc.-	3.4	0.9	-0.6	4.3	-0.6	-0.0	2.1	8.9	2.3	-17.4	-1.5	0.1
				Viento -X exc.+	-4.9	-1.0	0.8	-4.5	0.8	0.0	-3.6	-9.1	-3.0	17.8	1.9	-0.1
				Viento -X exc.-	-3.4	-0.9	0.6	-4.3	0.6	0.0	-2.1	-8.9	-2.3	17.4	1.5	-0.1
				Viento +Y exc.+	7.1	0.7	3.3	3.2	0.6	0.0	38.8	-4.8	6.6	13.0	-2.8	-0.1
				Viento +Y exc.-	30.0	1.1	0.9	5.3	-1.8	0.0	65.7	-1.5	16.7	7.0	-9.3	-0.0
				Viento -Y exc.+	-7.1	-0.7	-3.3	-3.2	-0.6	-0.0	-38.8	4.8	-6.6	-13.0	2.8	0.1
				Viento -Y exc.-	-30.0	-1.1	-0.9	-5.3	1.8	-0.0	-65.7	1.5	-16.7	-7.0	9.3	0.0
P3	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	216.7	-0.6	29.2	-0.5	15.9	0.0	204.0	0.9	-22.5	-0.5	15.9	0.0
				Cargas muertas	179.3	-0.1	-4.0	-0.2	-2.4	0.0	179.3	0.4	3.7	-0.2	-2.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	176.1	-0.4	16.5	-0.5	10.6	0.0	176.1	1.1	-17.8	-0.5	10.6	0.0
				Viento +X exc.+	0.2	4.9	0.4	2.7	0.2	-0.0	0.2	-3.8	-0.3	2.7	0.2	-0.0
				Viento +X exc.-	0.1	4.8	0.1	2.6	0.1	0.0	0.1	-3.8	-0.1	2.6	0.1	0.0
				Viento -X exc.+	-0.2	-4.9	-0.4	-2.7	-0.2	0.0	-0.2	3.8	0.3	-2.7	-0.2	0.0
				Viento -X exc.-	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	3.8	0.1	-2.6	-0.1	0.0
				Viento +Y exc.+	3.2	-0.1	16.1	-0.1	8.5	0.0	3.2	0.2	-11.6	-0.1	8.5	0.0
				Viento +Y exc.-	4.1	1.5	21.1	0.7	11.2	-0.0	4.1	-0.9	-15.4	0.7	11.2	-0.0
				Viento -Y exc.+	-3.2	0.1	-16.1	0.1	-8.5	-0.0	-3.2	-0.2	11.6	0.1	-8.5	-0.0
				Viento -Y exc.-	-4.1	-1.5	-21.1	-0.7	-11.2	0.0	-4.1	0.9	15.4	-0.7	-11.2	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	440.3	0.8	45.0	0.6	27.8	-0.0	424.2	-1.1	-45.5	0.6	27.8	-0.0
				Cargas muertas	343.0	0.5	-1.6	0.3	-1.5	0.0	343.0	-0.6	3.1	0.3	-1.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	248.7	0.7	16.2	0.5	9.3	-0.0	248.7	-1.0	-14.1	0.5	9.3	-0.0
				Viento +X exc.+	0.5	9.7	0.6	6.9	0.4	-0.0	0.5	-12.7	-0.7	6.9	0.4	-0.0
				Viento +X exc.-	0.2	9.5	0.1	6.8	0.1	0.0	0.2	-12.5	-0.1	6.8	0.1	0.0
				Viento -X exc.+	-0.5	-9.7	-0.6	-6.9	-0.4	0.0	-0.5	12.7	0.7	-6.9	-0.4	0.0
				Viento -X exc.-	-0.2	-9.5	-0.1	-6.8	-0.1	0.0	-0.2	12.5	0.1	-6.8	-0.1	0.0
				Viento +Y exc.+	15.4	-0.7	25.0	-0.8	15.5	0.0	15.4	1.8	-25.5	-0.8	15.5	0.0
				Viento +Y exc.-	20.9	2.0	33.6	1.1	21.5	-0.0	20.9	-1.5	-36.1	1.1	21.5	-0.0
				Viento -Y exc.+	-15.4	0.7	-25.0	0.8	-15.5	-0.0	-15.4	-1.8	25.5	0.8	-15.5	-0.0
				Viento -Y exc.-	-20.9	-2.0	-33.6	-1.1	-21.5	0.0	-20.9	1.5	36.1	-1.1	-21.5	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	663.5	0.5	30.7	0.3	20.9	0.0	647.3	-0.5	-37.2	0.3	20.9	0.0
				Cargas muertas	506.2	0.4	-6.0	0.2	-2.8	0.0	506.2	-0.3	3.1	0.2	-2.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	320.2	0.3	11.7	0.2	8.2	0.0	320.2	-0.2	-14.8	0.2	8.2	0.0
				Viento +X exc.+	0.9	12.1	0.7	8.6	0.4	-0.0	0.9	-15.7	-0.8	8.6	0.4	-0.0
				Viento +X exc.-	0.3	12.0	0.1	8.4	0.1	0.0	0.3	-15.5	-0.1	8.4	0.1	0.0
				Viento -X exc.+	-0.9	-12.1	-0.7	-8.6	-0.4	0.0	-0.9	15.7	0.8	-8.6	-0.4	0.0
				Viento -X exc.-	-0.3	-12.0	-0.1	-8.4	-0.1	0.0	-0.3	15.5	0.1	-8.4	-0.1	0.0
				Viento +Y exc.+	28.3	-2.7	19.0	-2.0	11.9	0.1	28.3	3.9	-19.6	-2.0	11.9	0.1
				Viento +Y exc.-	39.7	0.6	28.2	0.2	18.3	-0.0	39.7	-0.1	-31.2	0.2	18.3	-0.0
				Viento -Y exc.+	-28.3	2.7	-19.0	2.0	-11.9	-0.1	-28.3	-3.9	19.6	2.0	-11.9	-0.1
				Viento -Y exc.-	-39.7	-0.6	-28.2	-0.2	-18.3	0.0	-39.7	0.1	31.2	-0.2	-18.3	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	892.3	1.4	42.8	0.8	24.8	0.0	872.4	-1.1	-37.9	0.8	24.8	0.0
				Cargas muertas	670.6	0.7	-2.6	0.4	-3.6	0.0	670.6	-0.5	9.1	0.4	-3.6	0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	392.3	0.7	16.0	0.4	9.0	0.0	392.3	-0.6	-13.4	0.4	9.0	0.0
				Viento +X exc.+	1.4	17.8	0.7	12.2	0.6	-0.0	1.4	-21.9	-1.1	12.2	0.6	-0.0
				Viento +X exc.-	0.3	17.5	0.0	12.0	0.1	0.0	0.3	-21.6	-0.2	12.0	0.1	0.0
				Viento -X exc.+	-1.4	-17.8	-0.7	-12.2	-0.6	0.0	-1.4	21.9	1.1	-12.2	-0.6	0.0
				Viento -X exc.-	-0.3	-17.5	-0.0	-12.0	-0.1	-0.0	-0.3	21.6	0.2	-12.0	-0.1	-0.0
				Viento +Y exc.+	41.7	-3.7	25.3	-2.8	15.5	0.2	41.7	5.3	-25.0	-2.8	15.5	0.2
				Viento +Y exc.-	60.6	0.7	38.1	0.2	24.1	0.0	60.6	-0.1	-40.1	0.2	24.1	0.0
				Viento -Y exc.+	-41.7	3.7	-25.3	2.8	-15.5	-0.2	-41.7	-5.3	25.0	2.8	-15.5	-0.2
				Viento -Y exc.-	-60.6	-0.7	-38.1	-0.2	-24.1	-0.0	-60.6	0.1	40.1	-0.2	-24.1	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1119.3	-0.4	23.0	-0.1	18.3	0.0	1099.4	-0.1	-36.5	-0.1	18.3	0.0
				Cargas muertas	833.6	-0.1	-17.4	0.0	-7.1	0.0	833.6	-0.2	5.7	0.0	-7.1	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	463.3	0.1	8.1	0.1	6.7	0.0	463.3	-0.1	-13.6	0.1	6.7	0.0
				Viento +X exc.+	2.0	20.1	0.9	13.4	0.7	-0.0	2.0	-23.3	-1.5	13.4	0.7	-0.0
				Viento +X exc.-	0.4	19.8	0.1	13.2	0.2	0.0	0.4	-23.0	-0.6	13.2	0.2	0.0
				Viento -X exc.+	-2.0	-20.1	-0.9	-13.4	-0.7	0.0	-2.0	23.3	1.5	-13.4	-0.7	0.0
				Viento -X exc.-	-0.4	-19.8	-0.1	-13.2	-0.2	0.0	-0.4	23.0	0.6	-13.2	-0.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	55.3	-5.1	21.6	-3.7	13.0	0.2	55.3	7.0	-20.5	-3.7	13.0	0.2
				Viento +Y exc.-	82.7	-0.3	35.7	-0.4	22.0	0.0	82.7	0.9	-35.6	-0.4	22.0	0.0
				Viento -Y exc.+	-55.3	5.1	-21.6	3.7	-13.0	-0.2	-55.3	-7.0	20.5	3.7	-13.0	-0.2
				Viento -Y exc.-	-82.7	0.3	-35.7	0.4	-22.0	-0.0	-82.7	-0.9	35.6	0.4	-22.0	-0.0
P. tercera +14.30	Diámetro 60	10.60/13.85		Peso propio	1350.6	4.1	34.5	1.6	17.2	-0.0	1328.1	-1.1	-21.3	1.6	17.2	-0.0
				Cargas muertas	998.7	2.4	3.8	1.0	-4.3	-0.0	998.7	-0.9	17.7	1.0	-4.3	-0.0
				H 1	0.1	-0.0	-0.5	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0
				Sobrecarga de uso	534.7	0.9	12.1	0.3	5.8	0.0	534.7	-0.2	-6.6	0.3	5.8	0.0
				Viento +X exc.+	2.8	24.5	-0.0	16.1	0.7	-0.0	2.8	-28.0	-2.2	16.1	0.7	-0.0
				Viento +X exc.-	0.7	24.2	-1.0	15.9	0.1	-0.0	0.7	-27.5	-1.2	15.9	0.1	-0.0
				Viento -X exc.+	-2.8	-24.5	0.0	-16.1	-0.7	0.0	-2.8	28.0	2.2	-16.1	-0.7	0.0
				Viento -X exc.-	-0.7	-24.2	1.0	-15.9	-0.1	0.0	-0.7	27.5	1.2	-15.9	-0.1	0.0
				Viento +Y exc.+	69.8	-4.3	31.0	-4.3	16.8	0.3	69.8	9.7	-23.6	-4.3	16.8	0.3
				Viento +Y exc.-	106.8	0.3	49.0	-0.4	27.4	0.1	106.8	1.7	-40.0	-0.4	27.4	0.1
				Viento -Y exc.+	-69.8	4.3	-31.0	4.3	-16.8	-0.3	-69.8	-9.7	23.6	4.3	-16.8	-0.3
				Viento -Y exc.-	-106.8	-0.3	-49.0	0.4	-27.4	-0.1	-106.8	-1.7	40.0	0.4	-27.4	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25		Peso propio	1621.6	-1.4	27.6	-0.1	11.3	0.0	1586.9	-0.8	-28.7	-0.1	11.3	0.0
				Cargas muertas	1121.1	-3.1	-29.4	-0.7	-7.1	0.0	1121.1	0.3	6.1	-0.7	-7.1	0.0
				H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	614.1	-0.4	9.3	-0.0	3.9	0.0	614.1	-0.3	-10.2	-0.0	3.9	0.0
				Viento +X exc.+	4.5	32.3	4.7	12.6	1.9	-0.1	4.5	-30.6	-4.7	12.6	1.9	-0.1
				Viento +X exc.-	1.8	31.5	3.6	12.3	1.5	-0.0	1.8	-29.7	-3.8	12.3	1.5	-0.0
				Viento -X exc.+	-4.5	-32.3	-4.7	-12.6	-1.9	0.1	-4.5	30.6	4.7	-12.6	-1.9	0.1
				Viento -X exc.-	-1.8	-31.5	-3.6	-12.3	-1.5	0.0	-1.8	29.7	3.8	-12.3	-1.5	0.0
				Viento +Y exc.+	81.1	-17.4	18.4	-7.2	5.8	0.3	81.1	18.8	-10.4	-7.2	5.8	0.3
				Viento +Y exc.-	126.8	-5.2	35.7	-2.3	11.7	0.1	126.8	6.2	-22.6	-2.3	11.7	0.1
				Viento -Y exc.+	-81.1	17.4	-18.4	7.2	-5.8	-0.3	-81.1	-18.8	10.4	7.2	-5.8	-0.3
				Viento -Y exc.-	-126.8	5.2	-35.7	2.3	-11.7	-0.1	-126.8	-6.2	22.6	2.3	-11.7	-0.1
P. primera +5.35	Diámetro 60	-0.10/4.90		Peso propio	1893.6	-2.1	32.7	-1.1	12.5	0.0	1858.9	3.6	-29.6	-1.1	12.5	0.0
				Cargas muertas	1410.4	-2.8	-5.3	-1.5	-7.3	0.0	1410.4	4.9	31.4	-1.5	-7.3	0.0
				H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	691.5	-0.7	11.0	-0.4	4.2	0.0	691.5	1.1	-9.7	-0.4	4.2	0.0
				Viento +X exc.+	6.6	38.5	5.5	11.0	1.7	-0.0	6.6	-16.3	-2.8	11.0	1.7	-0.0
				Viento +X exc.-	3.3	37.5	4.2	10.7	1.3	-0.0	3.3	-15.9	-2.2	10.7	1.3	-0.0
				Viento -X exc.+	-6.6	-38.5	-5.5	-11.0	-1.7	0.0	-6.6	16.3	2.8	-11.0	-1.7	0.0
				Viento -X exc.-	-3.3	-37.5	-4.2	-10.7	-1.3	0.0	-3.3	15.9	2.2	-10.7	-1.3	0.0
				Viento +Y exc.+	91.5	-19.1	24.1	-5.3	7.2	0.2	91.5	7.5	-11.7	-5.3	7.2	0.2
				Viento +Y exc.-	145.4	-5.2	43.1	-1.3	12.5	0.0	145.4	1.5	-19.6	-1.3	12.5	0.0
				Viento -Y exc.+	-91.5	19.1	-24.1	5.3	-7.2	-0.2	-91.5	-7.5	11.7	5.3	-7.2	-0.2
				Viento -Y exc.-	-145.4	5.2	-43.1	1.3	-12.5	-0.0	-145.4	-1.5	19.6	1.3	-12.5	-0.0
P. Baja +0.00	60x60	-3.60/-0.45		Peso propio	485.2	-0.0	39.5	0.0	42.4	-0.0	1288.4	-0.7	-48.6	0.2	38.3	0.0
				Cargas muertas	342.4	-0.1	28.5	-0.4	30.9	-0.0	957.3	-0.7	-40.6	0.4	34.9	0.0
				H 1	72.5	0.2	-42.2	-0.3	-53.9	0.1	-31.0	-0.1	4.8	-0.2	23.6	0.1
				Sobrecarga de uso	166.1	-0.0	14.1	-0.1	15.2	0.0	467.0	-0.2	-17.3	-0.1	13.7	-0.0
				Viento +X exc.+	3.1	1.0	-0.6	4.6	-0.6	-0.0	0.3	9.0	2.4	-17.7	-1.7	0.1
				Viento +X exc.-	2.0	1.0	-0.5	4.4	-0.5	-0.0	-0.9	8.8	1.8	-17.3	-1.3	0.1
				Viento -X exc.+	-3.1	-1.0	0.6	-4.6	0.6	0.0	-0.3	-9.0	-2.4	17.7	1.7	-0.1
				Viento -X exc.-	-2.0	-1.0	0.5	-4.4	0.5	0.0	0.9	-8.8	-1.8	17.3	1.3	-0.1
				Viento +Y exc.+	12.2	0.6	2.4	2.9	-0.2	0.0	42.1	-4.8	8.9	13.0	-4.4	-0.1
				Viento +Y exc.-	30.2	1.1	0.6	5.0	-2.0	0.0	63.3	-1.6	16.9	6.9	-9.6	-0.0
				Viento -Y exc.+	-12.2	-0.6	-2.4	-2.9	0.2	-0.0	-42.1	4.8	-8.9	-13.0	4.4	0.1
				Viento -Y exc.-	-30.2	-1.1	-0.6	-5.0	2.0	0.0	-63.3	1.6	-16.9	-6.9	9.6	0.0
P4	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	218.7	1.4	28.5	0.8	15.4	0.0	205.9	-1.3	-21.4	0.8	15.4	0.0
				Cargas muertas	179.6	0.5	-4.4	0.3	-2.6	0.0	179.6	-0.5	4.2	0.3	-2.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	181.3	0.6	16.2	0.4	10.5	0.0	181.3	-0.7	-17.8	0.4	10.5	0.0
				Viento +X exc.+	-0.2	4.8	0.3	2.6	0.1	-0.0	-0.2	-3.6	-0.1	2.6	0.1	-0.0
				Viento +X exc.-	-0.3	4.7	0.0	2.5	-0.0	0.0	-0.3	-3.5	0.1	2.5	-0.0	0.0
				Viento -X exc.+	0.2	-4.8	-0.3	-2.6	-0.1	0.0	0.2	3.6	0.1	-2.6	-0.1	0.0
				Viento -X exc.-	0.3	-4.7	-0.0	-2.5	0.0	0.0	0.3	3.5	-0.1	-2.5	0.0	0.0
				Viento +Y exc.+	7.0	-1.0	17.5	-0.7	9.5	0.0	7.0	1.1	-13.3	-0.7	9.5	0.0
				Viento +Y exc.-	8.6	0.3	22.0	0.0	11.9	-0.0	8.6	0.3	-16.8	0.0	11.9	-0.0
				Viento -Y exc.+	-7.0	1.0	-17.5	0.7	-9.5	-0.0	-7.0	-1.1	13.3	0.7	-9.5	-0.0
				Viento -Y exc.-	-8.6	-0.3	-22.0	-0.0	-11.9	0.0	-8.6	-0.3	16.8	-0.0	-11.9	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	444.9	2.5	44.7	1.6	27.7	-0.0	428.8	-2.7	-45.3	1.6	27.7	-0.0
				Cargas muertas	344.7	0.7	-1.6	0.5	-1.4	0.0	344.7	-0.7	3.1	0.5	-1.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	254.0	0.6	15.5	0.3	8.8	-0.0	254.0	-0.5	-13.1	0.3	8.8	-0.0
				Viento +X exc.+	0.2	9.8	0.5	7.0	0.4	-0.0	0.2	-12.9	-0.6	7.0	0.4	-0.0
				Viento +X exc.-	-0.2	9.7	0.1	6.9	0.1	0.0	-0.2	-12.7	-0.1	6.9	0.1	0.0
				Viento -X exc.+	-0.2	-9.8	-0.5	-7.0	-0.4	0.0	-0.2	12.9	0.6	-7.0	-0.4	0.0
				Viento -X exc.-	0.2	-9.7	-0.1	-6.9	-0.1	0.0	0.2	12.7	0.1	-6.9	-0.1	0.0
				Viento +Y exc.+	20.7	-1.7	26.4	-1.4	16.7	0.0	20.7	2.8	-27.9	-1.4	16.7	0.0
				Viento +Y exc.-	26.4	0.7	33.9	0.3	21.7	-0.0	26.4	-0.2	-36.8	0.3	21.7	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. sexta +25.10	45x45	21.40/24.65		Viento -Y exc.+	-20.7	1.7	-26.4	1.4	-16.7	-0.0	-20.7	-2.8	27.9	1.4	-16.7	-0.0
				Viento -Y exc.-	-26.4	-0.7	-33.9	-0.3	-21.7	0.0	-26.4	0.2	36.8	-0.3	-21.7	0.0
				Peso propio	670.9	2.0	30.7	1.3	20.9	0.0	654.8	-2.2	-37.1	1.3	20.9	0.0
				Cargas muertas	509.4	0.6	-5.9	0.4	-2.7	0.0	509.4	-0.7	3.0	0.4	-2.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	326.3	0.5	11.5	0.3	8.0	0.0	326.3	-0.6	-14.6	0.3	8.0	0.0
				Viento +X exc.+	0.7	12.3	0.6	8.6	0.4	-0.0	0.7	-15.8	-0.7	8.6	0.4	-0.0
				Viento +X exc.-	0.0	12.1	0.2	8.5	0.1	0.0	0.0	-15.6	-0.2	8.5	0.1	0.0
				Viento -X exc.+	-0.7	-12.3	-0.6	-8.6	-0.4	0.0	-0.7	15.8	0.7	-8.6	-0.4	0.0
				Viento -X exc.-	-0.0	-12.1	-0.2	-8.5	-0.1	0.0	-0.0	15.6	0.2	-8.5	-0.1	0.0
P. quinta +21.50	50x50	17.80/21.05		Viento +Y exc.+	35.3	-3.5	21.7	-2.6	13.9	0.1	35.3	4.9	-23.5	-2.6	13.9	0.1
				Viento +Y exc.-	45.9	-0.5	29.2	-0.5	19.1	-0.0	45.9	1.1	-32.8	-0.5	19.1	-0.0
				Viento -Y exc.+	-35.3	3.5	-21.7	2.6	-13.9	-0.1	-35.3	-4.9	23.5	2.6	-13.9	-0.1
				Viento -Y exc.-	-45.9	0.5	-29.2	0.5	-19.1	0.0	-45.9	-1.1	32.8	0.5	-19.1	0.0
				Peso propio	902.7	3.0	43.1	1.8	25.0	0.0	882.8	-2.9	-38.0	1.8	25.0	0.0
				Cargas muertas	675.3	0.9	-2.3	0.5	-3.5	0.0	675.3	-0.8	8.9	0.5	-3.5	0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	399.1	0.8	15.8	0.5	8.9	0.0	399.1	-0.7	-13.0	0.5	8.9	0.0
				Viento +X exc.+	1.4	18.0	0.8	12.3	0.6	-0.0	1.4	-22.1	-1.0	12.3	0.6	-0.0
				Viento +X exc.-	0.4	17.7	0.2	12.2	0.2	0.0	0.4	-21.8	-0.3	12.2	0.2	0.0
P. cuarta +17.90	50x50	14.20/17.45		Viento -X exc.+	-1.4	-18.0	-0.8	-12.3	-0.6	0.0	-1.4	22.1	1.0	-12.3	-0.6	0.0
				Viento -X exc.-	-0.4	-17.7	-0.2	-12.2	-0.2	-0.0	-0.4	21.8	0.3	-12.2	-0.2	-0.0
				Viento +Y exc.+	51.1	-4.8	28.9	-3.5	18.1	0.2	51.1	6.4	-29.9	-3.5	18.1	0.2
				Viento +Y exc.-	67.9	-0.7	39.5	-0.6	25.1	0.0	67.9	1.4	-42.0	-0.6	25.1	0.0
				Viento -Y exc.+	-51.1	4.8	-28.9	3.5	-18.1	-0.2	-51.1	-6.4	29.9	3.5	-18.1	-0.2
				Viento -Y exc.-	-67.9	0.7	-39.5	0.6	-25.1	-0.0	-67.9	-1.4	42.0	0.6	-25.1	-0.0
				Peso propio	1132.7	1.5	24.2	1.0	18.9	0.0	1112.8	-1.7	-37.3	1.0	18.9	0.0
				Cargas muertas	839.9	0.0	-16.6	0.1	-6.7	0.0	839.9	-0.3	5.3	0.1	-6.7	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	471.1	0.2	8.3	0.1	6.8	0.0	471.1	-0.2	-13.7	0.1	6.8	0.0
P. tercera +14.30	Diámetro 60	10.60/13.85		Viento +X exc.+	2.3	20.4	1.0	13.5	0.7	-0.0	2.3	-23.6	-1.4	13.5	0.7	-0.0
				Viento +X exc.-	1.0	20.2	0.3	13.4	0.3	0.0	1.0	-23.2	-0.7	13.4	0.3	0.0
				Viento -X exc.+	-2.3	-20.4	-1.0	-13.5	-0.7	0.0	-2.3	23.6	1.4	-13.5	-0.7	0.0
				Viento -X exc.-	-1.0	-20.2	-0.3	-13.4	-0.3	0.0	-1.0	23.2	0.7	-13.4	-0.3	0.0
				Viento +Y exc.+	67.6	-6.0	26.2	-4.3	16.1	0.2	67.6	7.9	-26.0	-4.3	16.1	0.2
				Viento +Y exc.-	91.1	-1.4	37.4	-1.1	23.2	0.0	91.1	2.2	-37.9	-1.1	23.2	0.0
				Viento -Y exc.+	-67.6	6.0	-26.2	4.3	-16.1	-0.2	-67.6	-7.9	26.0	4.3	-16.1	-0.2
				Viento -Y exc.-	-91.1	1.4	-37.4	1.1	-23.2	-0.0	-91.1	-2.2	37.9	1.1	-23.2	-0.0
				Peso propio	1367.9	4.5	35.6	2.2	17.8	-0.0	1345.4	-2.7	-22.2	2.2	17.8	-0.0
				Cargas muertas	1007.0	2.6	3.8	1.1	-4.2	-0.0	1007.0	-1.1	17.5	1.1	-4.2	-0.0
P. segunda +10.70	Diámetro 60	5.25/10.25		H 1	0.1	-0.0	-0.5	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0
				Sobrecarga de uso	543.8	1.2	12.3	0.5	5.9	0.0	543.8	-0.4	-6.8	0.5	5.9	0.0
				Viento +X exc.+	3.6	24.3	0.5	16.2	0.8	-0.0	3.6	-28.2	-2.0	16.2	0.8	-0.0
				Viento +X exc.-	1.8	24.1	-0.4	16.0	0.3	-0.0	1.8	-27.7	-1.2	16.0	0.3	-0.0
				Viento -X exc.+	-3.6	-24.3	-0.5	-16.2	-0.8	0.0	-3.6	28.2	2.0	-16.2	-0.8	0.0
				Viento -X exc.-	-1.8	-24.1	0.4	-16.0	-0.3	0.0	-1.8	27.7	1.2	-16.0	-0.3	0.0
				Viento +Y exc.+	85.3	-5.1	36.9	-4.8	20.4	0.3	85.3	10.6	-29.5	-4.8	20.4	0.3
				Viento +Y exc.-	116.7	-0.9	51.7	-1.2	29.0	0.1	116.7	3.0	-42.6	-1.2	29.0	0.1
				Viento -Y exc.+	-85.3	5.1	-36.9	4.8	-20.4	-0.3	-85.3	-10.6	29.5	4.8	-20.4	-0.3
				Viento -Y exc.-	-116.7	0.9	-51.7	1.2	-29.0	-0.1	-116.7	-3.0	42.6	1.2	-29.0	-0.1
P. primera +5.35	Diámetro 60	-0.10/4.90		Peso propio	1644.8	-1.7	31.7	-0.3	12.8	0.0	1610.2	-0.3	-32.2	-0.3	12.8	0.0
				Cargas muertas	1131.9	-1.5	-26.1	-0.2	-6.1	0.0	1131.9	-0.6	4.2	-0.2	-6.1	0.0
				H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	624.8	-0.4	11.2	0.0	4.5	0.0	624.8	-0.5	-11.3	0.0	4.5	0.0
				Viento +X exc.+	5.1	32.8	3.5	12.7	1.4	-0.1	5.1	-30.6	-3.5	12.7	1.4	-0.1
				Viento +X exc.-	2.9	32.0	2.7	12.4	1.1	-0.0	2.9	-29.8	-2.8	12.4	1.1	-0.0
				Viento -X exc.+	-5.1	-32.8	-3.5	-12.7	-1.4	0.1	-5.1	30.6	3.5	-12.7	-1.4	0.1
				Viento -X exc.-	-2.9	-32.0	-2.7	-12.4	-1.1	0.0	-2.9	29.8	2.8	-12.4	-1.1	0.0
				Viento +Y exc.+	100.2	-18.2	24.5	-7.5	8.2	0.3	100.2	19.5	-16.4	-7.5	8.2	0.3
				Viento +Y exc.-	138.6	-6.1	37.3	-2.6	12.6	0.1	138.6	7.1	-25.7	-2.6	12.6	0.1
P. primera +5.35	Diámetro 60	-0.10/4.90		Viento -Y exc.+	-100.2	18.2	-24.5	7.5	-8.2	-0.3	-100.2	-19.5	16.4	7.5	-8.2	-0.3
				Viento -Y exc.-	-138.6	6.1	-37.3	2.6	-12.6	-0.1	-138.6	-7.1	25.7	2.6	-12.6	-0.1
				Peso propio	1919.8	-2.1	34.7	-1.1	13.6	0.0	1885.1	3.6	-33.3	-1.1	13.6	0.0
				Cargas muertas	1425.1	-1.9	-3.9	-1.0	-6.4	0.0	1425.1	3.3	28.1	-1.0	-6.4	0.0
				H 1	-0.2	-0.1	-9.2	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	705.5	-0.8	12.0	-0.4	4.7	0.0	705.5	1.2	-11.7	-0.4	4.7	0.0
				Viento +X exc.+	7.2	38.8	4.1	11.2	1.3	-0.0	7.2	-17.0	-2.2	11.2	1.3	-0.0
				Viento +X exc.-	4.5	37.8	3.2	10.9	1.0	-0.0	4.5	-16.5	-1.8	10.9	1.0	-0.0
				Viento -X exc.+	-7.2	-38.8	-4.1	-11.2	-1.3	0.0	-7.2	17.0	2.2	-11.2	-1.3	0.0
				Viento -X exc.-	-4.5	-37.8	-3.2	-10.9	-1.0	0.0	-4.5	16.5	1.8	-10.9	-1.0	0.0
P. primera +5.35	Diámetro 60	-0.10/4.90		Viento +Y exc.+	110.7	-19.5	29.4	-5.5	8.4	0.2	110.7	8.1	-12.7	-5.5	8.4	0.2
				Viento +Y exc.-	154.5	-5.5	43.4	-1.5	12.3	0.0	154.5	2.1	-18.2	-1.5	12.3	0.0
				Viento -Y exc.+	-110.7	19.5	-29.4	5.5	-8.4	-0.2	-110.7	-8.1	12.7	5.5	-8.4	-0.2
				Viento -Y exc.-	-154.5	5.5	-43.4	1.5	-12.3	-0.0	-154.5	-2.1	18.2	1.5	-12.3	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	493.6	-0.0	39.4	-0.4	44.0	0.0	1296.6	-0.7	-44.9	-2.3	35.0	-0.0
				Cargas muertas	348.2	-0.2	27.7	-0.7	31.4	-0.0	960.0	-0.8	-37.8	-1.0	33.3	0.1
				H 1	72.5	-0.1	-43.6	-0.5	-57.8	0.0	-31.6	0.0	5.2	-0.8	23.1	-0.0
				Sobrecarga de uso	170.4	-0.0	14.0	-0.2	15.8	0.0	472.8	-0.2	-15.9	-0.9	12.6	-0.0
				Viento +X exc.+	2.8	1.0	-0.5	4.5	-0.5	-0.0	0.5	9.1	1.9	-17.9	-1.4	0.2
				Viento +X exc.-	1.9	0.9	-0.4	4.4	-0.4	-0.0	-0.3	8.9	1.5	-17.5	-1.1	0.1
				Viento -X exc.+	-2.8	-1.0	0.5	-4.5	0.5	0.0	-0.5	-9.1	-1.9	17.9	1.4	-0.2
				Viento -X exc.-	-1.9	-0.9	0.4	-4.4	0.4	0.0	0.3	-8.9	-1.5	17.5	1.1	-0.1
				Viento +Y exc.+	20.2	0.6	1.0	2.8	-1.4	0.0	47.2	-4.9	12.6	12.9	-6.7	-0.1
				Viento +Y exc.-	34.5	1.1	-0.5	4.9	-3.0	0.0	63.5	-1.7	19.1	6.7	-10.8	-0.0
				Viento -Y exc.+	-20.2	-0.6	-1.0	-2.8	1.4	-0.0	-47.2	4.9	-12.6	-12.9	6.7	0.1
				Viento -Y exc.-	-34.5	-1.1	0.5	-4.9	3.0	-0.0	-63.5	1.7	-19.1	-6.7	10.8	0.0
P5	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	209.2	-0.6	19.9	-0.5	10.5	0.0	196.4	0.9	-14.2	-0.5	10.5	0.0
				Cargas muertas	176.3	-0.4	-8.1	-0.3	-4.8	0.0	176.3	0.6	7.4	-0.3	-4.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	175.9	-0.2	12.0	-0.2	7.9	0.0	175.9	0.6	-13.9	-0.2	7.9	0.0
				Viento +X exc.+	0.4	4.8	0.4	2.6	0.2	-0.0	0.4	-3.6	-0.3	2.6	0.2	-0.0
				Viento +X exc.-	0.2	4.7	0.1	2.5	0.1	0.0	0.2	-3.6	-0.1	2.5	0.1	0.0
				Viento -X exc.+	-0.4	-4.8	-0.4	-2.6	-0.2	0.0	-0.4	3.6	0.3	-2.6	-0.2	0.0
				Viento -X exc.-	-0.2	-4.7	-0.1	-2.5	-0.1	0.0	-0.2	3.6	0.1	-2.5	-0.1	0.0
				Viento +Y exc.+	18.2	-0.8	23.4	-0.4	12.8	0.0	18.2	0.5	-18.2	-0.4	12.8	0.0
				Viento +Y exc.-	22.4	0.6	28.4	0.3	15.6	-0.0	22.4	-0.5	-22.2	0.3	15.6	-0.0
				Viento -Y exc.+	-18.2	0.8	-23.4	0.4	-12.8	-0.0	-18.2	-0.5	18.2	0.4	-12.8	-0.0
				Viento -Y exc.-	-22.4	-0.6	-28.4	-0.3	-15.6	0.0	-22.4	0.5	22.2	-0.3	-15.6	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	425.6	0.8	33.4	0.6	20.5	-0.0	409.5	-1.2	-33.3	0.6	20.5	-0.0
				Cargas muertas	338.1	0.0	-6.1	0.1	-4.3	0.0	338.1	-0.2	7.8	0.1	-4.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	244.8	0.4	10.3	0.3	5.6	-0.0	244.8	-0.6	-7.9	0.3	5.6	-0.0
				Viento +X exc.+	0.9	9.8	0.6	6.9	0.4	-0.0	0.9	-12.8	-0.6	6.9	0.4	-0.0
				Viento +X exc.-	0.3	9.6	0.1	6.8	0.1	0.0	0.3	-12.6	-0.1	6.8	0.1	0.0
				Viento -X exc.+	-0.9	-9.8	-0.6	-6.9	-0.4	0.0	-0.9	12.8	0.6	-6.9	-0.4	0.0
				Viento -X exc.-	-0.3	-9.6	-0.1	-6.8	-0.1	0.0	-0.3	12.6	0.1	-6.8	-0.1	0.0
				Viento +Y exc.+	42.1	-2.1	35.1	-1.7	22.4	0.0	42.1	3.4	-37.7	-1.7	22.4	0.0
				Viento +Y exc.-	51.7	0.3	43.0	-0.0	27.5	-0.0	51.7	0.3	-46.5	-0.0	27.5	-0.0
				Viento -Y exc.+	-42.1	2.1	-35.1	1.7	-22.4	-0.0	-42.1	-3.4	37.7	1.7	-22.4	-0.0
				Viento -Y exc.-	-51.7	-0.3	-43.0	0.0	-27.5	0.0	-51.7	-0.3	46.5	0.0	-27.5	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	642.5	0.3	22.3	0.2	15.4	0.0	626.3	-0.3	-27.7	0.2	15.4	0.0
				Cargas muertas	499.9	-0.1	-9.3	-0.1	-4.9	0.0	499.9	0.1	6.7	-0.1	-4.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	313.1	0.2	7.6	0.1	5.5	0.0	313.1	-0.1	-10.2	0.1	5.5	0.0
				Viento +X exc.+	1.5	12.2	0.6	8.6	0.4	-0.0	1.5	-15.8	-0.7	8.6	0.4	-0.0
				Viento +X exc.-	0.6	12.1	0.2	8.5	0.1	0.0	0.6	-15.5	-0.2	8.5	0.1	0.0
				Viento -X exc.+	-1.5	-12.2	-0.6	-8.6	-0.4	0.0	-1.5	15.8	0.7	-8.6	-0.4	0.0
				Viento -X exc.-	-0.6	-12.1	-0.2	-8.5	-0.1	0.0	-0.6	15.5	0.2	-8.5	-0.1	0.0
				Viento +Y exc.+	67.6	-3.8	30.2	-2.7	19.7	0.1	67.6	5.1	-33.8	-2.7	19.7	0.1
				Viento +Y exc.-	83.4	-0.7	37.5	-0.6	24.6	-0.0	83.4	1.3	-42.3	-0.6	24.6	-0.0
				Viento -Y exc.+	-67.6	3.8	-30.2	2.7	-19.7	-0.1	-67.6	-5.1	33.8	2.7	-19.7	-0.1
				Viento -Y exc.-	-83.4	0.7	-37.5	0.6	-24.6	0.0	-83.4	-1.3	42.3	0.6	-24.6	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	866.1	1.0	33.6	0.5	19.0	0.0	846.2	-0.7	-28.0	0.5	19.0	0.0
				Cargas muertas	663.3	0.1	-6.0	-0.0	-5.8	0.0	663.3	0.1	12.8	-0.0	-5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	382.6	0.4	11.6	0.2	6.2	0.0	382.6	-0.3	-8.6	0.2	6.2	0.0
				Viento +X exc.+	2.3	17.9	0.9	12.3	0.6	-0.0	2.3	-22.0	-1.0	12.3	0.6	-0.0
				Viento +X exc.-	0.9	17.7	0.3	12.1	0.2	0.0	0.9	-21.8	-0.4	12.1	0.2	0.0
				Viento -X exc.+	-2.3	-17.9	-0.9	-12.3	-0.6	0.0	-2.3	22.0	1.0	-12.3	-0.6	0.0
				Viento -X exc.-	-0.9	-17.7	-0.3	-12.1	-0.2	-0.0	-0.9	21.8	0.4	-12.1	-0.2	-0.0
				Viento +Y exc.+	95.2	-5.2	40.4	-3.7	25.5	0.2	95.2	6.8	-42.6	-3.7	25.5	0.2
				Viento +Y exc.-	118.1	-1.1	50.5	-0.9	32.0	0.0	118.1	1.8	-53.6	-0.9	32.0	0.0
				Viento -Y exc.+	-95.2	5.2	-40.4	3.7	-25.5	-0.2	-95.2	-6.8	42.6	3.7	-25.5	-0.2
				Viento -Y exc.-	-118.1	1.1	-50.5	0.9	-32.0	-0.0	-118.1	-1.8	53.6	0.9	-32.0	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1089.2	-0.7	17.4	-0.3	14.4	0.0	1069.2	0.3	-29.5	-0.3	14.4	0.0
				Cargas muertas	825.9	-0.9	-19.2	-0.4	-8.5	0.0	825.9	0.5	8.4	-0.4	-8.5	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	451.7	-0.1	5.3	-0.1	4.8	0.0	451.7	0.2	-10.2	-0.1	4.8	0.0
				Viento +X exc.+	3.2	20.4	1.0	13.5	0.7	-0.0	3.2	-23.5	-1.3	13.5	0.7	-0.0
				Viento +X exc.-	1.5	20.1	0.5	13.3	0.3	0.0	1.5	-23.2	-0.7	13.3	0.3	0.0
				Viento -X exc.+	-3.2	-20.4	-1.0	-13.5	-0.7	0.0	-3.2	23.5	1.3	-13.5	-0.7	0.0
				Viento -X exc.-	-1.5	-20.1	-0.5	-13.3	-0.3	0.0	-1.5	23.2	0.7	-13.3	-0.3	0.0
				Viento +Y exc.+	123.8	-6.1	37.3	-4.4	23.3	0.2	123.8	8.2	-38.5	-4.4	23.3	0.2
				Viento +Y exc.-	154.3	-1.5	47.1	-1.2	29.6	0.0	154.3	2.4	-48.9	-1.2	29.6	0.0
				Viento -Y exc.+	-123.8	6.1	-37.3	4.4	-23.3	-0.2	-123.8	-8.2	38.5	4.4	-23.3	-0.2
				Viento -Y exc.-	-154.3	1.5	-47.1	1.2	-29.6	-0.0	-154.3	-2.4	48.9	1.2	-29.6	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1318.0	5.1	28.3	2.0	13.2	-0.0	1295.5	-1.5	-14.5	2.0	13.2	-0.0
				Cargas muertas	991.2	2.9	0.5	1.1	-6.3	-0.0	991.2	-0.6	20.9	1.1	-6.3	-0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0
				Sobrecarga de uso	522.1	1.1	9.1	0.4	3.9	0.0	522.1	-0.2	-3.6	0.4	3.9	0.0
				Viento +X exc.+	4.6	24.5	1.1	16.2	0.9	-0.0	4.6	-28.2	-1.9	16.2	0.9	-0.0
				Viento +X exc.-	2.3	24.3	0.3	16.0	0.5	-0.0	2.3	-27.7	-1.2	16.0	0.5	-0.0
				Viento -X exc.+	-4.6	-24.5	-1.1	-16.2	-0.9	0.0	-4.6	28.2	1.9	-16.2	-0.9	0.0
				Viento -X exc.-	-2.3	-24.3	-0.3	-16.0	-0.5	0.0	-2.3	27.7	1.2	-16.0	-0.5	0.0
				Viento +Y exc.+	154.5	-5.6	51.4	-5.1	29.1	0.3	154.5	10.8	-43.1	-5.1	29.1	0.3
				Viento +Y exc.-	193.3	-1.3	64.9	-1.3	36.8	0.1	193.3	3.1	-54.7	-1.3	36.8	0.1
				Viento -Y exc.+	-154.5	5.6	-51.4	5.1	-29.1	-0.3	-154.5	-10.8	43.1	5.1	-29.1	-0.3
				Viento -Y exc.-	-193.3	1.3	-64.9	1.3	-36.8	-0.1	-193.3	-3.1	54.7	1.3	-36.8	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1592.9	-1.0	28.1	0.1	11.4	0.0	1558.2	-1.6	-29.1	0.1	11.4	0.0
				Cargas muertas	1114.9	-3.2	-28.3	-0.6	-6.8	0.0	1114.9	-0.1	6.0	-0.6	-6.8	0.0
				H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	601.7	-0.3	9.3	0.0	3.8	0.0	601.7	-0.5	-9.5	0.0	3.8	0.0
				Viento +X exc.+	6.2	32.6	2.5	12.7	1.0	-0.1	6.2	-30.7	-2.4	12.7	1.0	-0.1
				Viento +X exc.-	3.4	31.9	1.9	12.3	0.8	-0.0	3.4	-29.8	-1.9	12.3	0.8	-0.0
				Viento -X exc.+	-6.2	-32.6	-2.5	-12.7	-1.0	0.1	-6.2	30.7	2.4	-12.7	-1.0	0.1
				Viento -X exc.-	-3.4	-31.9	-1.9	-12.3	-0.8	0.0	-3.4	29.8	1.9	-12.3	-0.8	0.0
				Viento +Y exc.+	182.2	-18.3	37.5	-7.6	13.3	0.3	182.2	19.8	-29.1	-7.6	13.3	0.3
				Viento +Y exc.-	228.6	-6.2	48.0	-2.7	17.0	0.1	228.6	7.3	-37.2	-2.7	17.0	0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento -Y exc.+	-182.2	18.3	-37.5	7.6	-13.3	-0.3	-182.2	-19.8	29.1	7.6	-13.3	-0.3
				Viento -Y exc.-	-228.6	6.2	-48.0	2.7	-17.0	-0.1	-228.6	-7.3	37.2	2.7	-17.0	-0.1
				Peso propio	1865.4	-2.1	34.5	-1.1	13.1	0.0	1830.7	3.5	-31.0	-1.1	13.1	0.0
				Cargas muertas	1403.4	-3.1	-4.6	-1.7	-6.9	0.0	1403.4	5.5	29.7	-1.7	-6.9	0.0
				H 1	-0.2	-0.2	-9.1	-0.1	-2.4	0.0	-0.2	0.1	2.7	-0.1	-2.4	0.0
				Sobrecarga de uso	681.0	-0.7	11.8	-0.4	4.5	0.0	681.0	1.1	-10.6	-0.4	4.5	0.0
				Viento +X exc.+	7.7	38.7	2.9	11.1	0.9	-0.0	7.7	-16.7	-1.8	11.1	0.9	-0.0
				Viento +X exc.-	4.6	37.7	2.2	10.8	0.7	-0.0	4.6	-16.2	-1.4	10.8	0.7	-0.0
				Viento -X exc.+	-7.7	-38.7	-2.9	-11.1	-0.9	0.0	-7.7	16.7	1.8	-11.1	-0.9	0.0
				Viento -X exc.-	-4.6	-37.7	-2.2	-10.8	-0.7	0.0	-4.6	16.2	1.4	-10.8	-0.7	0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Viento +Y exc.+	202.6	-19.4	38.4	-5.5	11.5	0.2	202.6	8.0	-19.3	-5.5	11.5	0.2
				Viento +Y exc.-	254.7	-5.5	48.9	-1.5	14.7	0.0	254.7	2.1	-24.4	-1.5	14.7	0.0
				Viento -Y exc.+	-202.6	19.4	-38.4	5.5	-11.5	-0.2	-202.6	-8.0	19.3	5.5	-11.5	-0.2
				Viento -Y exc.-	-254.7	5.5	-48.9	1.5	-14.7	-0.0	-254.7	-2.1	24.4	1.5	-14.7	-0.0
				Peso propio	477.7	-0.1	39.4	-0.5	41.3	0.0	1266.9	-0.7	-46.1	-4.2	33.7	0.1
				Cargas muertas	342.2	-0.1	27.1	-0.7	29.0	0.0	946.3	-0.5	-37.9	-3.5	33.0	-0.0
				H 1	70.4	-0.3	-40.1	-1.2	-50.0	-0.1	-31.8	0.0	5.4	-0.7	23.1	0.0
				Sobrecarga de uso	163.3	-0.0	14.1	-0.3	14.9	0.0	459.9	-0.2	-16.6	-1.7	12.2	0.0
				Viento +X exc.+	2.4	1.0	-0.2	4.6	-0.2	-0.0	1.9	9.0	1.1	-17.8	-0.9	0.1
				Viento +X exc.-	1.5	1.0	-0.2	4.4	-0.2	-0.0	0.4	8.8	0.8	-17.4	-0.7	0.1
	P. cubierta +32.30	40x40	28.60/31.85	Viento -X exc.+	-2.4	-1.0	0.2	-4.6	0.2	0.0	-1.9	-9.0	-1.1	17.8	0.9	-0.1
				Viento -X exc.-	-1.5	-1.0	0.2	-4.4	0.2	0.0	-0.4	-8.8	-0.8	17.4	0.7	-0.1
				Viento +Y exc.+	45.1	0.6	1.5	2.9	-0.6	0.0	103.7	-4.8	13.8	12.2	-7.6	-0.1
				Viento +Y exc.-	59.7	1.1	1.0	4.9	-1.1	0.0	129.4	-1.6	17.8	5.9	-10.1	-0.0
				Viento -Y exc.+	-45.1	-0.6	-1.5	-2.9	0.6	-0.0	-103.7	4.8	-13.8	-12.2	7.6	0.1
				Viento -Y exc.-	-59.7	-1.1	-1.0	-4.9	1.1	-0.0	-129.4	1.6	-17.8	-5.9	10.1	0.0
				Peso propio	203.3	2.2	19.7	1.6	10.4	0.0	190.5	-2.9	-14.1	1.6	10.4	0.0
				Cargas muertas	172.3	1.1	-8.1	0.7	-4.8	0.0	172.3	-1.3	7.4	0.7	-4.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	171.0	1.1	12.0	0.9	8.0	0.0	171.0	-1.7	-13.9	0.9	8.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento +X exc.+	-0.1	4.9	0.3	2.7	0.2	-0.0	-0.1	-3.8	-0.3	2.7	0.2	-0.0
				Viento +X exc.-	-0.2	4.8	0.1	2.6	0.0	0.0	-0.2	-3.7	-0.1	2.6	0.0	0.0
				Viento -X exc.+	0.1	-4.9	-0.3	-2.7	-0.2	0.0	0.1	3.8	0.3	-2.7	-0.2	0.0
				Viento -X exc.-	0.2	-4.8	-0.1	-2.6	-0.0	0.0	0.2	3.7	0.1	-2.6	-0.0	0.0
				Viento +Y exc.+	18.2	-0.0	23.3	-0.1	12.8	0.0	18.2	0.4	-18.3	-0.1	12.8	0.0
				Viento +Y exc.-	20.4	1.6	27.0	0.8	14.8	-0.0	20.4	-0.9	-21.1	0.8	14.8	-0.0
				Viento -Y exc.+	-18.2	0.0	-23.3	0.1	-12.8	-0.0	-18.2	-0.4	18.3	0.1	-12.8	-0.0
				Viento -Y exc.-	-20.4	-1.6	-27.0	-0.8	-14.8	0.0	-20.4	0.9	21.1	-0.8	-14.8	0.0
				Peso propio	415.6	2.1	32.5	1.2	20.0	-0.0	399.5	-1.8	-32.4	1.2	20.0	-0.0
				Cargas muertas	332.8	0.8	-6.3	0.5	-4.4	0.0	332.8	-0.7	7.9	0.5	-4.4	0.0
	P. sexta +25.10	45x45	21.40/24.65	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	239.2	0.3	10.0	0.1	5.4	-0.0	239.2	0.0	-7.6	0.1	5.4	-0.0
				Viento +X exc.+	-0.0	10.0	0.3	7.1	0.2	-0.0	-0.0	-13.0	-0.4	7.1	0.2	-0.0
				Viento +X exc.-	-0.4	9.8	-0.1	7.0	-0.0	0.0	-0.4	-12.8	0.0	7.0	-0.0	0.0
				Viento -X exc.+	0.0	-10.0	-0.3	-7.1	-0.2	0.0	0.0	13.0	0.4	-7.1	-0.2	0.0
				Viento -X exc.-	0.4	-9.8	0.1	-7.0	0.0	0.0	0.4	12.8	-0.0	-7.0	0.0	0.0
				Viento +Y exc.+	42.1	-0.4	35.4	-0.6	22.9	0.0	42.1	1.4	-38.9	-0.6	22.9	0.0
				Viento +Y exc.-	48.1	2.3	41.3	1.4	26.6	-0.0	48.1	-2.0	-45.2	1.4	26.6	-0.0
				Viento -Y exc.+	-42.1	0.4	-35.4	0.6	-22.9	-0.0	-42.1	-1.4	38.9	0.6	-22.9	-0.0
				Viento -Y exc.-	-48.1	-2.3	-41.3	-1.4	-26.6	0.0	-48.1	2.0	-45.2	-1.4	-26.6	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento +X exc.+	-0.2	12.5	0.2	8.8	0.1	-0.0	-0.2	-16.0	-0.3	8.8	0.1	-0.0			
				Viento +X exc.-	-0.8	12.3	-0.1	8.6	-0.0	0.0	-0.8	-15.8	0.0	8.6	-0.0	0.0			
				Viento -X exc.+	0.2	-12.5	-0.2	-8.8	-0.1	0.0	0.2	16.0	0.3	-8.8	-0.1	0.0			
				Viento -X exc.-	0.8	-12.3	0.1	-8.6	0.0	0.0	0.8	15.8	-0.0	-8.6	0.0	0.0			
				Viento +Y exc.+	68.7	-2.6	32.1	-2.0	21.2	0.1	68.7	3.9	-36.8	-2.0	21.2	0.1			
				Viento +Y exc.-	78.7	0.8	37.0	0.3	24.4	-0.0	78.7	-0.3	-42.2	0.3	24.4	-0.0			
				Viento -Y exc.+	-68.7	2.6	-32.1	2.0	-21.2	-0.1	-68.7	-3.9	36.8	2.0	-21.2	-0.1			
				Viento -Y exc.-	-78.7	-0.8	-37.0	-0.3	-24.4	0.0	-78.7	0.3	42.2	-0.3	-24.4	0.0			
				P. quinta +21.50	50x50	17.80/21.05	Peso propio	848.1	2.8	32.9	1.6	18.6	0.0	828.2	-2.4	-27.4	1.6	18.6	0.0
				Cargas muertas	655.5	1.0	-6.0	0.6	-5.8	0.0	655.5	-0.9	12.8	0.6	-5.8	0.0			
H 1	0.1	-0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0							
Sobrecarga de uso	375.3	0.7	11.4	0.4	6.1	0.0	375.3	-0.5	-8.4	0.4	6.1	0.0							
Viento +X exc.+	-0.4	18.3	0.1	12.5	0.1	-0.0	-0.4	-22.4	-0.3	12.5	0.1	-0.0							
Viento +X exc.-	-1.3	18.1	-0.2	12.4	-0.1	0.0	-1.3	-22.1	0.1	12.4	-0.1	0.0							
Viento -X exc.+	0.4	-18.3	-0.1	-12.5	-0.1	0.0	0.4	22.4	0.3	-12.5	-0.1	0.0							
Viento -X exc.-	1.3	-18.1	0.2	-12.4	0.1	-0.0	1.3	22.1	-0.1	-12.4	0.1	-0.0							
Viento +Y exc.+	98.4	-3.8	43.3	-2.8	27.7	0.2	98.4	5.3	-46.7	-2.8	27.7	0.2							
Viento +Y exc.-	112.6	0.7	49.8	0.3	31.8	0.0	112.6	-0.2	-53.5	0.3	31.8	0.0							
Viento -Y exc.+	-98.4	3.8	-43.3	2.8	-27.7	-0.2	-98.4	-5.3	46.7	2.8	-27.7	-0.2							
Viento -Y exc.-	-112.6	-0.7	-49.8	-0.3	-31.8	-0.0	-112.6	0.2	53.5	-0.3	-31.8	-0.0							
P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1067.4	0.7	17.1	0.6	14.2	0.0	1047.5	-1.4	-28.9	0.6	14.2	0.0				
Cargas muertas	817.0	0.5	-19.1	0.3	-8.5	0.0	817.0	-0.6	8.5	0.3	-8.5	0.0							
H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0							
Sobrecarga de uso	443.7	0.3	5.1	0.2	4.7	0.0	443.7	-0.2	-10.0	0.2	4.7	0.0							
Viento +X exc.+	-0.8	20.7	0.4	13.7	0.2	-0.0	-0.8	-23.9	-0.4	13.7	0.2	-0.0							
Viento +X exc.-	-1.9	20.4	0.0	13.5	0.0	0.0	-1.9	-23.6	-0.0	13.5	0.0	0.0							
Viento -X exc.+	0.8	-20.7	-0.4	-13.7	-0.2	0.0	0.8	23.9	0.4	-13.7	-0.2	0.0							
Viento -X exc.-	1.9	-20.4	-0.0	-13.5	-0.0	0.0	1.9	23.6	0.0	-13.5	-0.0	0.0							
Viento +Y exc.+	129.8	-5.1	41.8	-3.7	26.3	0.2	129.8	7.0	-43.6	-3.7	26.3	0.2							
Viento +Y exc.-	148.4	-0.2	47.8	-0.4	30.0	0.0	148.4	0.9	-49.6	-0.4	30.0	0.0							
Viento -Y exc.+	-129.8	5.1	-41.8	3.7	-26.3	-0.2	-129.8	-7.0	43.6	3.7	-26.3	-0.2							
Viento -Y exc.-	-148.4	0.2	-47.8	0.4	-30.0	-0.0	-148.4	-0.9	49.6	0.4	-30.0	-0.0							
P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1293.6	5.8	26.1	2.6	12.0	-0.0	1271.1	-2.5	-12.8	2.6	12.0	-0.0				
Cargas muertas	980.4	2.3	-0.1	1.2	-6.7	-0.0	980.4	-1.5	21.7	1.2	-6.7	-0.0							
H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0							
Sobrecarga de uso	512.9	1.5	8.7	0.6	3.7	0.0	512.9	-0.6	-3.2	0.6	3.7	0.0							
Viento +X exc.+	-1.0	24.9	0.2	16.4	0.2	-0.0	-1.0	-28.6	-0.6	16.4	0.2	-0.0							
Viento +X exc.-	-2.4	24.6	-0.3	16.2	-0.0	-0.0	-2.4	-28.1	-0.2	16.2	-0.0	-0.0							
Viento -X exc.+	1.0	-24.9	-0.2	-16.4	-0.2	0.0	1.0	28.6	0.6	-16.4	-0.2	0.0							
Viento -X exc.-	2.4	-24.6	0.3	-16.2	0.0	0.0	2.4	28.1	0.2	-16.2	0.0	0.0							
Viento +Y exc.+	164.9	-3.8	57.4	-4.1	32.8	0.3	164.9	9.4	-49.3	-4.1	32.8	0.3							
Viento +Y exc.-	188.2	1.0	65.7	-0.1	37.5	0.1	188.2	1.3	-56.1	-0.1	37.5	0.1							
Viento -Y exc.+	-164.9	3.8	-57.4	4.1	-32.8	-0.3	-164.9	-9.4	49.3	4.1	-32.8	-0.3							
Viento -Y exc.-	-188.2	-1.0	-65.7	0.1	-37.5	-0.1	-188.2	-1.3	56.1	0.1	-37.5	-0.1							
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1564.1	4.4	27.4	1.8	11.3	0.0	1529.4	-4.4	-28.9	1.8	11.3	0.0				
Cargas muertas	1103.7	3.6	-29.7	1.2	-7.2	0.0	1103.7	-2.7	6.5	1.2	-7.2	0.0							
H 1	0.2	0.0	1.9	0.0	0.5	0.0	0.2	-0.0	-0.6	0.0	0.5	0.0							
Sobrecarga de uso	591.9	1.1	8.9	0.5	3.6	0.0	591.9	-1.3	-9.3	0.5	3.6	0.0							
Viento +X exc.+	-1.4	34.0	0.3	13.1	0.1	-0.1	-1.4	-31.4	-0.1	13.1	0.1	-0.1							
Viento +X exc.-	-3.1	33.1	0.0	12.7	-0.0	-0.0	-3.1	-30.5	0.2	12.7	-0.0	-0.0							
Viento -X exc.+	1.4	-34.0	-0.3	-13.1	-0.1	0.1	1.4	31.4	0.1	-13.1	-0.1	0.1							
Viento -X exc.-	3.1	-33.1	0.0	-12.7	0.0	0.0	3.1	30.5	-0.2	-12.7	0.0	0.0							
Viento +Y exc.+	197.1	-18.1	45.5	-7.4	16.3	0.3	197.1	18.9	-36.1	-7.4	16.3	0.3							
Viento +Y exc.-	224.3	-5.4	50.9	-2.3	18.2	0.1	224.3	6.0	-40.0	-2.3	18.2	0.1							
Viento -Y exc.+	-197.1	18.1	-45.5	7.4	-16.3	-0.3	-197.1	-18.9	36.1	7.4	-16.3	-0.3							
Viento -Y exc.-	-224.3	5.4	-50.9	2.3	-18.2	-0.1	-224.3	-6.0	40.0	2.3	-18.2	-0.1							
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1835.4	0.9	35.0	0.6	13.1	0.0	1800.7	-2.3	-30.7	0.6	13.1	0.0				
Cargas muertas	1389.4	1.2	-5.0	0.8	-7.3	0.0	1389.4	-2.6	31.2	0.8	-7.3	0.0							
H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0							
Sobrecarga de uso	670.7	0.0	11.9	0.1	4.5	0.0	670.7	-0.3	-10.4	0.1	4.5	0.0							
Viento +X exc.+	-2.0	39.4	1.2	11.5	0.3	-0.0	-2.0	-18.1	-0.5	11.5	0.3	-0.0							
Viento +X exc.-	-3.8	38.4	0.8	11.2	0.2	-0.0	-3.8	-17.6	-0.3	11.2	0.2	-0.0							
Viento -X exc.+	2.0	-39.4	-1.2	-11.5	-0.3	0.0	2.0	18.1	0.5	-11.5	-0.3	0.0							
Viento -X exc.-	3.8	-38.4	-0.8	-11.2	-0.2	0.0	3.8	17.6	0.3	-11.2	-0.2	0.0							
Viento +Y exc.+	221.7	-19.6	45.2	-5.6	13.5	0.2	221.7	8.4	-22.5	-5.6	13.5	0.2							
Viento +Y exc.-	251.5	-5.4	51.0	-1.5	15.3	0.0	251.5	2.0	-25.4	-1.5	15.3	0.0							
Viento -Y exc.+	-221.7	19.6	-45.2	5.6	-13.5	-0.2	-221.7	-8.4	22.5	5.6	-13.5	-0.2							
Viento -Y exc.-	-251.5	5.4	-51.0	1.5	-15.3	-0.0	-251.5	-2.0	25.4	1.5	-15.3	-0.0							
P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	471.7	-0.1	39.4	-0.6	43.5	-0.0	1247.4	0.2	-45.9	-8.1	32.8	0.0				
Cargas muertas	339.4	-0.2	27.3	-0.7	30.7	-0.0	937.6	0.3	-38.1	-6.6	32.8	0.0							
H 1	70.8	0.1	-43.0	-0.1	-56.4	0.1	-31.4	0.0	5.1	-0.8	23.5	0.0							
Sobrecarga de uso	161.1	-0.1	14.2	-0.3	15.8	-0.0	453.4	0.0	-16.6	-2.9	12.0	0.0							
Viento +X exc.+	-0.4	1.0	-0.1	4.6	-0.2	-0.0	-4.1	9.2	0.5	-18.2	-0.6	0.1							
Viento +X exc.-	-0.9	0.9	-0.1	4.4	-0.2	-0.0	-5.0	9.0	0.4	-17.8	-0.5	0.1							



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P7	P. cubierta +32.30	40x40	28.60/31.85	Viento -X exc.+	0.4	-1.0	0.1	-4.6	0.2	0.0	4.1	-9.2	-0.5	18.2	0.6	-0.1
				Viento -X exc.-	0.9	-0.9	0.1	-4.4	0.2	0.0	5.0	-9.0	-0.4	17.8	0.5	-0.1
				Viento +Y exc.+	52.3	0.6	0.7	3.0	-1.1	-0.0	111.6	-5.1	16.6	12.3	-9.8	-0.0
				Viento +Y exc.-	59.9	1.1	0.6	5.0	-1.3	-0.0	125.9	-1.8	18.7	6.0	-11.1	0.1
				Viento -Y exc.+	-52.3	-0.6	-0.7	-3.0	1.1	0.0	-111.6	5.1	-16.6	-12.3	9.8	0.0
				Viento -Y exc.-	-59.9	-1.1	-0.6	-5.0	1.3	0.0	-125.9	1.8	-18.7	-6.0	11.1	-0.1
				Peso propio	235.0	-17.6	31.1	-9.9	16.8	0.0	222.2	14.4	-23.5	-9.9	16.8	0.0
				Cargas muertas	183.8	-7.7	-3.0	-4.4	-1.8	0.0	183.8	6.5	2.9	-4.4	-1.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	187.2	-7.0	17.4	-4.6	11.3	0.0	187.2	7.8	-19.4	-4.6	11.3	0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento +X exc.+	0.7	3.8	0.2	2.1	0.2	-0.0	0.7	-3.0	-0.3	2.1	0.2	-0.0
				Viento +X exc.-	0.6	3.7	0.1	2.1	0.1	0.0	0.6	-3.0	-0.2	2.1	0.1	0.0
				Viento -X exc.+	-0.7	-3.8	-0.2	-2.1	-0.2	0.0	-0.7	3.0	0.3	-2.1	-0.2	0.0
				Viento -X exc.-	-0.6	-3.7	-0.1	-2.1	-0.1	0.0	-0.6	3.0	0.2	-2.1	-0.1	0.0
				Viento +Y exc.+	7.2	0.5	17.5	0.3	9.6	0.0	7.2	-0.6	-13.9	0.3	9.6	0.0
				Viento +Y exc.-	7.6	1.8	19.5	1.1	10.7	-0.0	7.6	-1.6	-15.3	1.1	10.7	-0.0
				Viento -Y exc.+	-7.2	-0.5	-17.5	-0.3	-9.6	-0.0	-7.2	0.6	13.9	-0.3	-9.6	-0.0
				Viento -Y exc.-	-7.6	-1.8	-19.5	-1.1	-10.7	0.0	-7.6	1.6	15.3	-1.1	-10.7	0.0
				Peso propio	476.3	-23.0	47.3	-14.4	29.3	-0.0	460.1	23.7	-47.8	-14.4	29.3	-0.0
				Cargas muertas	351.3	-9.8	0.2	-6.1	-0.3	0.0	351.3	10.1	1.3	-6.1	-0.3	0.0
P. sexta +25.10	P. sexta +25.10	45x45	21.40/24.65	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	262.6	-6.0	15.3	-3.5	8.6	-0.0	262.6	5.5	-12.6	-3.5	8.6	-0.0
				Viento +X exc.+	1.5	7.6	0.2	5.6	0.1	-0.0	1.5	-10.7	-0.2	5.6	0.1	-0.0
				Viento +X exc.-	1.4	7.4	0.1	5.5	0.0	0.0	1.4	-10.6	-0.1	5.5	0.0	0.0
				Viento -X exc.+	-1.5	-7.6	-0.2	-5.6	-0.1	0.0	-1.5	10.7	0.2	-5.6	-0.1	0.0
				Viento -X exc.-	-1.4	-7.4	-0.1	-5.5	-0.0	0.0	-1.4	10.6	0.1	-5.5	-0.0	0.0
				Viento +Y exc.+	21.8	-0.4	27.2	-0.7	18.0	0.0	21.8	1.7	-31.4	-0.7	18.0	0.0
				Viento +Y exc.-	23.8	1.8	30.1	0.9	19.8	-0.0	23.8	-1.2	-34.2	0.9	19.8	-0.0
				Viento -Y exc.+	-21.8	0.4	-27.2	0.7	-18.0	-0.0	-21.8	-1.7	31.4	0.7	-18.0	-0.0
				Viento -Y exc.-	-23.8	-1.8	-30.1	-0.9	-19.8	0.0	-23.8	1.2	34.2	-0.9	-19.8	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	717.2	-19.2	32.7	-12.3	22.3	0.0	701.1	20.6	-39.8	-12.3	22.3	0.0
				Cargas muertas	518.5	-8.3	-4.5	-5.3	-1.7	0.0	518.5	8.9	1.2	-5.3	-1.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	337.5	-5.6	11.6	-3.6	8.2	0.0	337.5	6.2	-15.0	-3.6	8.2	0.0
				Viento +X exc.+	2.6	9.7	0.1	7.1	0.1	-0.0	2.6	-13.3	-0.2	7.1	0.1	-0.0
				Viento +X exc.-	2.4	9.5	0.0	7.0	0.1	0.0	2.4	-13.1	-0.1	7.0	0.1	0.0
				Viento -X exc.+	-2.6	-9.7	-0.1	-7.1	-0.1	0.0	-2.6	13.3	0.2	-7.1	-0.1	0.0
				Viento -X exc.-	-2.4	-9.5	-0.0	-7.0	-0.1	0.0	-2.4	13.1	0.1	-7.0	-0.1	0.0
				Viento +Y exc.+	38.9	-2.2	26.6	-1.8	17.9	0.1	38.9	3.5	-31.7	-1.8	17.9	0.1
				Viento +Y exc.-	42.4	0.5	28.4	0.2	19.0	-0.0	42.4	-0.1	-33.3	0.2	19.0	-0.0
P. cuarta +17.90	P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	-38.9	2.2	-26.6	1.8	-17.9	-0.1	-38.9	-3.5	31.7	1.8	-17.9	-0.1
				Viento -Y exc.-	-42.4	-0.5	-28.4	-0.2	-19.0	0.0	-42.4	0.1	33.3	-0.2	-19.0	0.0
				Peso propio	963.9	-23.7	46.0	-15.0	26.7	0.0	944.0	24.9	-40.6	-15.0	26.7	0.0
				Cargas muertas	686.9	-9.9	-0.1	-6.4	-2.1	0.0	686.9	10.8	6.8	-6.4	-2.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	413.0	-6.6	16.0	-4.2	9.0	0.0	413.0	6.9	-13.1	-4.2	9.0	0.0
				Viento +X exc.+	4.2	13.9	0.2	9.8	0.2	-0.0	4.2	-18.1	-0.3	9.8	0.2	-0.0
				Viento +X exc.-	3.9	13.7	0.1	9.7	0.1	0.0	3.9	-17.8	-0.2	9.7	0.1	0.0
				Viento -X exc.+	-4.2	-13.9	-0.2	-9.8	-0.2	0.0	-4.2	18.1	0.3	-9.8	-0.2	0.0
				Viento -X exc.-	-3.9	-13.7	-0.1	-9.7	-0.1	-0.0	-3.9	17.8	0.2	-9.7	-0.1	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento +Y exc.+	59.2	-3.1	36.1	-2.4	23.6	0.2	59.2	4.8	-40.6	-2.4	23.6	0.2
				Viento +Y exc.-	64.1	0.4	38.5	0.0	25.0	0.0	64.1	0.2	-42.6	0.0	25.0	0.0
				Viento -Y exc.+	-59.2	3.1	-36.1	2.4	-23.6	-0.2	-59.2	-4.8	40.6	2.4	-23.6	-0.2
				Viento -Y exc.-	-64.1	-0.4	-38.5	-0.0	-25.0	-0.0	-64.1	-0.2	42.6	-0.0	-25.0	-0.0
				Peso propio	1208.6	-19.8	25.4	-12.8	20.1	0.0	1188.7	21.7	-39.8	-12.8	20.1	0.0
				Cargas muertas	853.8	-10.6	-15.1	-6.3	-5.8	0.0	853.8	9.9	3.7	-6.3	-5.8	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	487.5	-5.7	8.1	-3.7	6.8	0.0	487.5	6.3	-13.9	-3.7	6.8	0.0
				Viento +X exc.+	6.0	16.3	0.2	11.0	0.1	-0.0	6.0	-19.4	-0.2	11.0	0.1	-0.0
				Viento +X exc.-	5.6	16.1	0.1	10.8	0.1	0.0	5.6	-19.1	-0.2	10.8	0.1	0.0
				Viento -X exc.+	-6.0	-16.3	-0.2	-11.0	-0.1	0.0	-6.0	19.4	0.2	-11.0	-0.1	0.0
				Viento -X exc.-	-5.6	-16.1	-0.1	-10.8	-0.1	0.0	-5.6	19.1	0.2	-10.8	-0.1	0.0
				Viento +Y exc.+	81.6	-4.6	37.8	-3.4	23.7	0.2	81.6	6.4	-39.2	-3.4	23.7	0.2
				Viento +Y exc.-	87.8	-0.6	39.3	-0.5	24.5	0.0	87.8	1.2	-40.4	-0.5	24.5	0.0
				Viento -Y exc.+	-81.6	4.6	-37.8	3.4	-23.7	-0.2	-81.6	-6.4	39.2	3.4	-23.7	-0.2
				Viento -Y exc.-	-87.8	0.6	-39.3	0.5	-24.5	-0.0	-87.8	-1.2	40.4	0.5	-24.5	-0.0
				Peso propio	1458.1	-28.0	39.2	-16.2	18.7	-0.0	1435.6	24.6	-21.7	-16.2	18.7	-0.0
				Cargas muertas	1025.0	-8.7	5.5	-6.2	-3.8	-0.0	1025.0	11.4	17.8	-6.2	-3.8	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0
				Sobrecarga de uso	562.6	-7.5	13.1	-4.5	6.0	0.0	562.6	7.0	-6.4	-4.5	6.0	0.0
				Viento +X exc.+	8.2	17.9	1.0	12.4	0.4	-0.0	8.2	-22.5	-0.2	12.4	0.4	-0.0
				Viento +X exc.-	7.7	17.7	0.8	12.3	0.3	-0.0	7.7	-22.1	-0.1	12.3	0.3	-0.0
				Viento -X exc.+	-8.2	-17.9	-1.0	-12.4	-0.4	0.0	-8.2	22.5	0.2	-12.4	-0.4	0.0
				Viento -X exc.-	-7.7	-17.7	-0.8	-12.3	-0.3	0.0	-7.7	22.1	0.1	-12.3	-0.3	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	106.7	-1.0	47.0	-2.7	27.6	0.3	106.7	7.8	-42.7	-2.7	27.6	0.3
				Viento +Y exc.-	114.3	1.9	49.7	0.2	28.9	0.1	114.3	1.1	-44.2	0.2	28.9	0.1
				Viento -Y exc.+	-106.7	1.0	-47.0	2.7	-27.6	-0.3	-106.7	-7.8	42.7	2.7	-27.6	-0.3
				Viento -Y exc.-	-114.3	-1.9	-49.7	-0.2	-28.9	-0.1	-114.3	-1.1	44.2	-0.2	-28.9	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1758.0	-22.3	33.0	-9.0	14.3	0.0	1723.3	22.7	-38.7	-9.0	14.3	0.0
				Cargas muertas	1154.1	-14.6	-22.6	-4.7	-4.5	0.0	1154.1	9.1	0.2	-4.7	-4.5	0.0
				H 1	0.1	0.1	1.9	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	647.0	-5.4	10.6	-2.2	4.6	0.0	647.0	5.4	-12.2	-2.2	4.6	0.0
				Viento +X exc.+	10.3	27.5	-0.5	10.6	-0.2	-0.1	10.3	-25.5	0.7	10.6	-0.2	-0.1
				Viento +X exc.-	9.8	26.8	-0.5	10.3	-0.2	-0.0	9.8	-24.8	0.6	10.3	-0.2	-0.0
				Viento -X exc.+	-10.3	-27.5	0.5	-10.6	0.2	0.1	-10.3	25.5	-0.7	-10.6	0.2	0.1
				Viento -X exc.-	-9.8	-26.8	0.5	-10.3	0.2	0.0	-9.8	24.8	-0.6	-10.3	0.2	0.0
				Viento +Y exc.+	128.4	-15.0	44.0	-6.2	15.1	0.3	128.4	16.0	-31.5	-6.2	15.1	0.3
				Viento +Y exc.-	137.2	-4.4	44.4	-1.9	15.1	0.1	137.2	4.9	-31.2	-1.9	15.1	0.1
				Viento -Y exc.+	-128.4	15.0	-44.0	6.2	-15.1	-0.3	-128.4	-16.0	31.5	6.2	-15.1	-0.3
				Viento -Y exc.-	-137.2	4.4	-44.4	1.9	-15.1	-0.1	-137.2	-4.9	31.2	1.9	-15.1	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	2042.1	-8.5	35.8	-4.8	13.5	0.0	2007.4	15.8	-31.6	-4.8	13.5	0.0
				Cargas muertas	1450.1	-8.0	-2.1	-4.6	-5.5	0.0	1450.1	15.0	25.6	-4.6	-5.5	0.0
				H 1	-0.2	-0.1	-9.0	-0.0	-2.3	0.0	-0.2	0.1	2.7	-0.0	-2.3	0.0
				Sobrecarga de uso	727.8	-2.2	12.0	-1.2	4.5	0.0	727.8	4.0	-10.6	-1.2	4.5	0.0
				Viento +X exc.+	12.4	36.8	-0.1	10.0	-0.0	-0.0	12.4	-13.1	-0.1	10.0	-0.0	-0.0
				Viento +X exc.-	11.8	35.9	-0.1	9.7	-0.0	-0.0	11.8	-12.7	-0.0	9.7	-0.0	-0.0
				Viento -X exc.+	-12.4	-36.8	0.1	-10.0	0.0	0.0	-12.4	13.1	0.1	-10.0	0.0	0.0
				Viento -X exc.-	-11.8	-35.9	0.1	-9.7	0.0	0.0	-11.8	12.7	0.0	-9.7	0.0	0.0
				Viento +Y exc.+	148.8	-18.4	48.5	-4.9	13.8	0.2	148.8	6.2	-20.6	-4.9	13.8	0.2
				Viento +Y exc.-	158.7	-5.1	49.6	-1.3	14.2	0.0	158.7	1.4	-21.3	-1.3	14.2	0.0
				Viento -Y exc.+	-148.8	18.4	-48.5	4.9	-13.8	-0.2	-148.8	-6.2	20.6	4.9	-13.8	-0.2
				Viento -Y exc.-	-158.7	5.1	-49.6	1.3	-14.2	-0.0	-158.7	-1.4	21.3	1.3	-14.2	-0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	523.7	-0.1	40.4	-0.4	44.3	-0.0	1604.1	-2.9	-23.7	4.8	26.8	0.0
				Cargas muertas	354.5	-0.1	27.7	-0.5	30.7	0.0	1135.2	-2.4	-23.0	3.3	34.7	-0.3
				H 1	71.5	-0.2	-42.3	-0.8	-54.7	0.0	-21.4	-0.2	5.0	-1.0	32.7	0.0
				Sobrecarga de uso	175.4	-0.0	14.4	-0.2	15.9	-0.0	569.9	-0.9	-8.7	0.9	9.7	0.0
				Viento +X exc.+	2.7	1.0	0.2	4.6	0.2	-0.0	8.7	9.5	-0.1	-27.3	0.6	0.5
				Viento +X exc.-	2.6	1.0	0.2	4.4	0.2	-0.0	8.3	9.3	-0.1	-26.6	0.6	0.5
				Viento -X exc.+	-2.7	-1.0	-0.2	-4.6	-0.2	0.0	-8.7	-9.5	0.1	27.3	-0.6	-0.5
				Viento -X exc.-	-2.6	-1.0	-0.2	-4.4	-0.2	0.0	-8.3	-9.3	0.1	26.6	-0.6	-0.5
				Viento +Y exc.+	37.5	0.6	-1.8	2.9	-3.6	0.0	89.5	-4.1	24.9	20.8	-23.8	-0.2
				Viento +Y exc.-	38.9	1.1	-1.4	5.0	-3.5	0.0	96.3	-0.6	25.3	11.6	-24.0	-0.0
				Viento -Y exc.+	-37.5	-0.6	1.8	-2.9	3.6	-0.0	-89.5	4.1	-24.9	-20.8	23.8	0.2
				Viento -Y exc.-	-38.9	-1.1	1.4	-5.0	3.5	0.0	-96.3	0.6	-25.3	-11.6	24.0	0.0
P8	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	218.3	2.4	27.4	1.7	15.0	0.0	205.6	-3.1	-21.3	1.7	15.0	0.0
				Cargas muertas	178.5	0.3	-4.8	0.4	-2.8	0.0	178.5	-1.1	4.1	0.4	-2.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	180.2	0.9	15.6	0.7	10.1	0.0	180.2	-1.5	-17.4	0.7	10.1	0.0
				Viento +X exc.+	0.1	4.8	0.1	2.6	0.1	-0.0	0.1	-3.7	-0.2	2.6	0.1	-0.0
				Viento +X exc.-	0.1	4.8	0.1	2.6	0.1	0.0	0.1	-3.6	-0.2	2.6	0.1	0.0
				Viento -X exc.+	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	3.7	0.2	-2.6	-0.1	0.0
				Viento -X exc.-	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	3.6	0.2	-2.6	-0.1	0.0
				Viento +Y exc.+	5.3	-0.5	16.2	-0.3	8.9	0.0	5.3	0.5	-12.9	-0.3	8.9	0.0
				Viento +Y exc.-	5.6	1.0	17.3	0.5	9.5	-0.0	5.6	-0.5	-13.5	0.5	9.5	-0.0
				Viento -Y exc.+	-5.3	0.5	-16.2	0.3	-8.9	-0.0	-5.3	-0.5	12.9	0.3	-8.9	-0.0
				Viento -Y exc.-	-5.6	-1.0	-17.3	-0.5	-9.5	0.0	-5.6	0.5	13.5	-0.5	-9.5	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	438.5	2.0	40.5	1.2	24.9	-0.0	422.4	-1.9	-40.6	1.2	24.9	-0.0
				Cargas muertas	340.5	-1.1	-2.8	-0.8	-2.2	0.0	340.5	1.4	4.4	-0.8	-2.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	250.7	0.0	13.9	-0.1	7.7	-0.0	250.7	0.3	-11.3	-0.1	7.7	-0.0
				Viento +X exc.+	-0.5	9.8	0.1	7.0	0.1	-0.0	-0.5	-12.9	-0.1	7.0	0.1	-0.0
				Viento +X exc.-	-0.5	9.7	0.1	6.9	0.0	0.0	-0.5	-12.7	-0.1	6.9	0.0	0.0
				Viento -X exc.+	0.5	-9.8	-0.1	-7.0	-0.1	0.0	0.5	12.9	0.1	-7.0	-0.1	0.0
				Viento -X exc.-	0.5	-9.7	-0.1	-6.9	-0.0	0.0	0.5	12.7	0.1	-6.9	-0.0	0.0
				Viento +Y exc.+	19.3	-1.1	25.7	-1.0	17.4	0.0	19.3	2.2	-31.0	-1.0	17.4	0.0
				Viento +Y exc.-	20.0	1.4	27.1	0.7	18.1	-0.0	20.0	-1.0	-31.6	0.7	18.1	-0.0
				Viento -Y exc.+	-19.3	1.1	-25.7	1.0	-17.4	-0.0	-19.3	-2.2	31.0	1.0	-17.4	-0.0
				Viento -Y exc.-	-20.0	-1.4	-27.1	-0.7	-18.1	0.0	-20.0	1.0	31.6	-0.7	-18.1	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	658.3	1.6	27.7	1.1	19.1	0.0	642.2	-1.9	-34.2	1.1	19.1	0.0
				Cargas muertas	502.1	-0.8	-6.9	-0.5	-3.3	0.0	502.1	0.8	3.7	-0.5	-3.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	320.7	0.1	10.3	0.1	7.3	0.0	320.7	-0.3	-13.5	0.1	7.3	0.0
				Viento +X exc.+	-1.4	12.3	0.1	8.7	0.0	-0.0	-1.4	-15.8	-0.1	8.7	0.0	-0.0
				Viento +X exc.-	-1.5	12.1	0.0	8.5	0.1	0.0	-1.5	-15.6	-0.1	8.5	0.1	0.0
				Viento -X exc.+	1.4	-12.3	-0.1	-8.7	-0.0	0.0	1.4	15.8	0.1	-8.7	-0.0	0.0
				Viento -X exc.-	1.5	-12.1	-0.0	-8.5	-0.1	0.0	1.5	15.6	0.1	-8.5	-0.1	0.0
				Viento +Y exc.+	36.5	-3.1	26.6	-2.3	18.3	0.1	36.5	4.4	-32.7	-2.3	18.3	0.1
				Viento +Y exc.-	37.1	0.1	26.6	-0.1	18.0	-0.0	37.1	0.5	-31.8	-0.1	18.0	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
	P. quinta +21.50	50x50	17.80/21.05	Viento -Y exc.+	-36.5	3.1	-26.6	2.3	-18.3	-0.1	-36.5	-4.4	32.7	2.3	-18.3	-0.1			
				Viento -Y exc.-	-37.1	-0.1	-26.6	0.1	-18.0	0.0	-37.1	-0.5	31.8	0.1	-18.0	0.0			
				Peso propio	883.5	2.3	38.6	1.3	22.3	0.0	863.6	-2.1	-33.7	1.3	22.3	0.0			
				Cargas muertas	664.7	-1.2	-3.2	-0.8	-4.0	0.0	664.7	1.3	9.9	-0.8	-4.0	0.0			
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0			
				Sobrecarga de uso	391.3	0.2	14.2	0.1	7.9	0.0	391.3	-0.1	-11.5	0.1	7.9	0.0			
				Viento +X exc.+	-2.8	17.9	0.1	12.3	0.1	-0.0	-2.8	-22.1	-0.2	12.3	0.1	-0.0			
				Viento +X exc.-	-2.8	17.7	0.2	12.1	0.1	0.0	-2.8	-21.8	-0.2	12.1	0.1	0.0			
				Viento -X exc.+	2.8	-17.9	-0.1	-12.3	-0.1	0.0	2.8	22.1	0.2	-12.3	-0.1	0.0			
				Viento -X exc.-	2.8	-17.7	-0.2	-12.1	-0.1	-0.0	2.8	21.8	0.2	-12.1	-0.1	-0.0			
				Viento +Y exc.+	57.6	-4.1	36.0	-3.1	24.0	0.2	57.6	5.8	-41.9	-3.1	24.0	0.2			
				Viento +Y exc.-	57.5	0.0	35.8	-0.2	23.5	0.0	57.5	0.6	-40.6	-0.2	23.5	0.0			
				Viento -Y exc.+	-57.6	4.1	-36.0	3.1	-24.0	-0.2	-57.6	-5.8	41.9	3.1	-24.0	-0.2			
				Viento -Y exc.-	-57.5	-0.0	-35.8	0.2	-23.5	-0.0	-57.5	-0.6	40.6	0.2	-23.5	-0.0			
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1107.1	0.2	21.7	0.3	17.1	0.0	1087.1	-0.8	-33.8	0.3	17.1	0.0			
				Cargas muertas	826.1	-1.5	-17.8	-0.9	-7.5	0.0	826.1	1.5	6.7	-0.9	-7.5	0.0			
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0			
				Sobrecarga de uso	461.1	-0.3	7.3	-0.2	6.1	0.0	461.1	0.3	-12.5	-0.2	6.1	0.0			
				Viento +X exc.+	-4.6	20.8	0.1	13.7	0.0	-0.0	-4.6	-23.7	0.0	13.7	0.0	-0.0			
				Viento +X exc.-	-4.5	20.5	0.2	13.5	0.1	0.0	-4.5	-23.3	-0.1	13.5	0.1	0.0			
				Viento -X exc.+	4.6	-20.8	-0.1	-13.7	-0.0	0.0	4.6	23.7	-0.0	-13.7	-0.0	0.0			
				Viento -X exc.-	4.5	-20.5	-0.2	-13.5	-0.1	0.0	4.5	23.3	0.1	-13.5	-0.1	0.0			
				Viento +Y exc.+	81.4	-5.9	40.7	-4.1	25.4	0.2	81.4	7.5	-41.8	-4.1	25.4	0.2			
				Viento +Y exc.-	80.1	-1.1	39.0	-0.9	24.2	0.0	80.1	1.6	-39.5	-0.9	24.2	0.0			
				Viento -Y exc.+	-81.4	5.9	-40.7	4.1	-25.4	-0.2	-81.4	-7.5	41.8	4.1	-25.4	-0.2			
				Viento -Y exc.-	-80.1	1.1	-39.0	0.9	-24.2	-0.0	-80.1	-1.6	39.5	0.9	-24.2	-0.0			
				P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1334.9	4.6	32.9	1.9	15.5	-0.0	1312.3	-1.7	-17.4	1.9	15.5	-0.0
							Cargas muertas	990.1	0.1	3.2	-0.2	-5.5	-0.0	990.1	0.8	21.0	-0.2	-5.5	-0.0
	H 1	0.1	-0.0				-0.4	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0			
	Sobrecarga de uso	531.4	0.2				11.8	-0.1	5.3	0.0	531.4	0.4	-5.6	-0.1	5.3	0.0			
	Viento +X exc.+	-6.8	23.3				0.7	15.8	0.1	-0.0	-6.8	-28.1	0.4	15.8	0.1	-0.0			
	Viento +X exc.-	-6.6	23.1				0.7	15.6	0.1	-0.0	-6.6	-27.6	0.3	15.6	0.1	-0.0			
	Viento -X exc.+	6.8	-23.3				-0.7	-15.8	-0.1	0.0	6.8	28.1	-0.4	-15.8	-0.1	0.0			
	Viento -X exc.-	6.6	-23.1				-0.7	-15.6	-0.1	0.0	6.6	27.6	-0.3	-15.6	-0.1	0.0			
	Viento +Y exc.+	109.4	-3.9				49.4	-4.3	29.6	0.3	109.4	10.2	-46.8	-4.3	29.6	0.3			
	Viento +Y exc.-	106.5	0.2				48.0	-0.7	28.4	0.1	106.5	2.4	-44.4	-0.7	28.4	0.1			
	Viento -Y exc.+	-109.4	3.9				-49.4	4.3	-29.6	-0.3	-109.4	-10.2	46.8	4.3	-29.6	-0.3			
	Viento -Y exc.-	-106.5	-0.2				-48.0	0.7	-28.4	-0.1	-106.5	-2.4	44.4	0.7	-28.4	-0.1			
	P. segunda +10.70	Diámetro 60	5.25/10.25				Peso propio	1606.5	3.1	28.9	1.3	12.7	0.0	1571.9	-3.2	-34.8	1.3	12.7	0.0
							Cargas muertas	1110.7	-0.3	-27.1	-0.1	-5.9	0.0	1110.7	-0.0	2.4	-0.1	-5.9	0.0
H 1				0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0				
Sobrecarga de uso				609.1	0.2	9.7	0.1	4.2	0.0	609.1	-0.3	-11.2	0.1	4.2	0.0				
Viento +X exc.+				-9.3	33.1	-2.1	12.6	-0.9	-0.1	-9.3	-30.0	2.5	12.6	-0.9	-0.1				
Viento +X exc.-				-9.0	32.3	-1.8	12.3	-0.8	-0.0	-9.0	-29.2	2.2	12.3	-0.8	-0.0				
Viento -X exc.+				9.3	-33.1	2.1	-12.6	0.9	0.1	9.3	30.0	-2.5	-12.6	0.9	0.1				
Viento -X exc.-				9.0	-32.3	1.8	-12.3	0.8	0.0	9.0	29.2	-2.2	-12.3	0.8	0.0				
Viento +Y exc.+				135.2	-18.2	52.2	-7.4	17.8	0.3	135.2	18.7	-36.7	-7.4	17.8	0.3				
Viento +Y exc.-				130.1	-5.9	48.1	-2.4	16.3	0.1	130.1	6.3	-33.1	-2.4	16.3	0.1				
Viento -Y exc.+				-135.2	18.2	-52.2	7.4	-17.8	-0.3	-135.2	-18.7	36.7	7.4	-17.8	-0.3				
Viento -Y exc.-				-130.1	5.9	-48.1	2.4	-16.3	-0.1	-130.1	-6.3	33.1	2.4	-16.3	-0.1				
P. primera +5.35				Diámetro 60	-0.10/4.90	Peso propio	1868.9	0.5	34.3	0.4	12.6	0.0	1834.2	-1.4	-28.8	0.4	12.6	0.0	
						Cargas muertas	1402.1	-0.7	-3.2	-0.4	-6.6	0.0	1402.1	1.1	29.8	-0.4	-6.6	0.0	
	H 1	-0.2	-0.1			-9.1	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0				
	Sobrecarga de uso	685.9	-0.2			11.7	-0.1	4.4	0.0	685.9	0.2	-10.2	-0.1	4.4	0.0				
	Viento +X exc.+	-12.1	39.3			-1.6	11.4	-0.5	-0.0	-12.1	-17.9	0.7	11.4	-0.5	-0.0				
	Viento +X exc.-	-11.6	38.4			-1.3	11.2	-0.4	-0.0	-11.6	-17.4	0.6	11.2	-0.4	-0.0				
	Viento -X exc.+	12.1	-39.3			1.6	-11.4	0.5	0.0	12.1	17.9	-0.7	-11.4	0.5	0.0				
	Viento -X exc.-	11.6	-38.4			1.3	-11.2	0.4	0.0	11.6	17.4	-0.6	-11.2	0.4	0.0				
	Viento +Y exc.+	160.9	-19.8			55.9	-5.7	16.3	0.2	160.9	8.8	-25.5	-5.7	16.3	0.2				
	Viento +Y exc.-	153.5	-5.7			52.3	-1.6	15.3	0.0	153.5	2.4	-24.1	-1.6	15.3	0.0				
	Viento -Y exc.+	-160.9	19.8			-55.9	5.7	-16.3	-0.2	-160.9	-8.8	25.5	5.7	-16.3	-0.2				
	Viento -Y exc.-	-153.5	5.7			-52.3	1.6	-15.3	-0.0	-153.5	-2.4	24.1	1.6	-15.3	-0.0				
	P. Baja +0.00	60x60	-3.60/-0.45			Peso propio	480.3	0.1	38.6	0.1	41.4	0.0	1452.9	-0.2	-25.3	-0.1	24.8	0.0	
						Cargas muertas	339.3	-0.0	29.5	-0.3	31.7	0.0	1091.8	-0.3	-28.0	-0.5	35.0	-0.1	
H 1				73.5	-0.2	-42.0	-0.9	-52.9	-0.0	-22.6	-0.2	5.0	-0.6	32.6	0.1				
Sobrecarga de uso				164.9	0.0	14.0	-0.1	15.0	0.0	530.5	-0.2	-9.2	0.1	9.3	-0.0				
Viento +X exc.+				-3.9	1.0	0.2	4.5	0.1	-0.0	-8.4	9.9	-0.8	-28.7	0.7	0.5				
Viento +X exc.-				-3.6	1.0	0.1	4.4	0.1	-0.0	-8.2	9.7	-0.6	-28.0	0.5	0.5				
Viento -X exc.+				3.9	-1.0	-0.2	-4.5	-0.1	0.0	8.4	-9.9	0.8	28.7	-0.7	-0.5				
Viento -X exc.-				3.6	-1.0	-0.1	-4.4	-0.1	0.0	8.2	-9.7	0.6	28.0	-0.5	-0.5				
Viento +Y exc.+				44.4	0.7	-3.2	2.9	-4.9	0.0	90.6	-4.3	28.6	21.3	-26.8	-0.3				
Viento +Y exc.-				40.0	1.1	-2.4	4.9	-4.3	0.0	86.9	-0.6	26.7	11.6	-24.8	-0.1				
Viento -Y exc.+				-44.4	-0.7	3.2	-2.9	4.9	-0.0	-90.6	4.3	-28.6	-21.3	26.8	0.3				
Viento -Y exc.-				-40.0	-1.1	2.4	-4.9	4.3	-0.0	-86.9	0.6	-26.7	-11.6	24.8	0.0				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P9	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	218.4	-0.4	27.5	-0.2	15.0	0.0	205.6	0.4	-21.2	-0.2	15.0	0.0
				Cargas muertas	178.9	-0.0	-4.4	0.0	-2.6	0.0	178.9	-0.1	4.0	0.0	-2.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	179.9	0.1	15.7	0.0	10.0	0.0	179.9	-0.0	-16.9	0.0	10.0	0.0
				Viento +X exc.+	-0.2	4.8	-0.0	2.6	-0.0	-0.0	-0.2	-3.8	0.0	2.6	-0.0	-0.0
				Viento +X exc.-	-0.2	4.7	-0.1	2.6	-0.0	0.0	-0.2	-3.7	0.0	2.6	-0.0	0.0
				Viento -X exc.+	0.2	-4.8	0.0	-2.6	0.0	0.0	0.2	3.8	-0.0	-2.6	0.0	0.0
				Viento -X exc.-	0.2	-4.7	0.1	-2.6	0.0	0.0	0.2	3.7	-0.0	-2.6	0.0	0.0
				Viento +Y exc.+	4.1	-0.3	15.7	-0.2	8.6	0.0	4.1	0.4	-12.5	-0.2	8.6	0.0
				Viento +Y exc.-	4.1	1.1	16.0	0.6	8.8	-0.0	4.1	-0.7	-12.5	0.6	8.8	-0.0
				Viento -Y exc.+	-4.1	0.3	-15.7	0.2	-8.6	-0.0	-4.1	-0.4	12.5	0.2	-8.6	-0.0
				Viento -Y exc.-	-4.1	-1.1	-16.0	-0.6	-8.8	0.0	-4.1	0.7	12.5	-0.6	-8.8	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	439.4	0.3	40.2	0.2	24.8	-0.0	423.3	-0.4	-40.3	0.2	24.8	-0.0
				Cargas muertas	343.4	-0.1	-2.1	-0.0	-1.7	0.0	343.4	0.0	3.6	-0.0	-1.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	252.4	0.1	14.5	0.1	8.2	-0.0	252.4	-0.1	-12.3	0.1	8.2	-0.0
				Viento +X exc.+	-0.2	9.5	0.1	6.7	0.1	-0.0	-0.2	-12.5	-0.1	6.7	0.1	-0.0
				Viento +X exc.-	-0.1	9.3	0.1	6.6	0.1	0.0	-0.1	-12.3	-0.2	6.6	0.1	0.0
				Viento -X exc.+	0.2	-9.5	-0.1	-6.7	-0.1	0.0	0.2	12.5	0.1	-6.7	-0.1	0.0
				Viento -X exc.-	0.1	-9.3	-0.1	-6.6	-0.1	0.0	0.1	12.3	0.2	-6.6	-0.1	0.0
				Viento +Y exc.+	18.2	-1.0	25.6	-1.0	17.7	0.0	18.2	2.2	-31.9	-1.0	17.7	0.0
				Viento +Y exc.-	18.0	1.5	25.7	0.8	17.3	-0.0	18.0	-1.0	-30.6	0.8	17.3	-0.0
				Viento -Y exc.+	-18.2	1.0	-25.6	1.0	-17.7	-0.0	-18.2	-2.2	31.9	1.0	-17.7	-0.0
				Viento -Y exc.-	-18.0	-1.5	-25.7	-0.8	-17.3	0.0	-18.0	1.0	30.6	-0.8	-17.3	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	660.0	0.0	27.5	0.0	19.0	0.0	643.9	-0.1	-34.1	0.0	19.0	0.0
				Cargas muertas	507.4	-0.1	-6.4	-0.0	-2.9	0.0	507.4	0.1	3.1	-0.0	-2.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	324.0	0.0	10.6	0.0	7.5	0.0	324.0	-0.0	-13.8	0.0	7.5	0.0
				Viento +X exc.+	-0.1	11.9	-0.0	8.4	-0.0	-0.0	-0.1	-15.5	0.0	8.4	-0.0	-0.0
				Viento +X exc.-	-0.0	11.8	0.1	8.3	0.1	0.0	-0.0	-15.3	-0.2	8.3	0.1	0.0
				Viento -X exc.+	0.1	-11.9	0.0	-8.4	0.0	0.0	0.1	15.5	-0.0	-8.4	0.0	0.0
				Viento -X exc.-	0.0	-11.8	-0.1	-8.3	-0.1	0.0	0.0	15.3	0.2	-8.3	-0.1	0.0
				Viento +Y exc.+	36.2	-2.9	27.9	-2.2	19.4	0.1	36.2	4.2	-35.1	-2.2	19.4	0.1
				Viento +Y exc.-	35.0	0.2	26.1	-0.0	17.8	-0.0	35.0	0.3	-31.8	-0.0	17.8	-0.0
				Viento -Y exc.+	-36.2	2.9	-27.9	2.2	-19.4	-0.1	-36.2	-4.2	35.1	2.2	-19.4	-0.1
				Viento -Y exc.-	-35.0	-0.2	-26.1	0.0	-17.8	0.0	-35.0	-0.3	31.8	0.0	-17.8	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	886.4	0.9	38.2	0.4	22.1	0.0	866.5	-0.5	-33.5	0.4	22.1	0.0
				Cargas muertas	672.8	0.3	-2.4	0.1	-3.5	0.0	672.8	0.0	9.1	0.1	-3.5	0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	396.3	0.3	14.5	0.1	8.1	0.0	396.3	-0.1	-11.9	0.1	8.1	0.0
				Viento +X exc.+	0.0	17.3	0.2	11.9	0.1	-0.0	0.0	-21.5	-0.1	11.9	0.1	-0.0
				Viento +X exc.-	0.2	17.0	0.3	11.8	0.2	0.0	0.2	-21.2	-0.3	11.8	0.2	0.0
				Viento -X exc.+	-0.0	-17.3	-0.2	-11.9	-0.1	0.0	-0.0	21.5	0.1	-11.9	-0.1	0.0
				Viento -X exc.-	-0.2	-17.0	-0.3	-11.8	-0.2	-0.0	-0.2	21.2	0.3	-11.8	-0.2	-0.0
				Viento +Y exc.+	58.6	-4.0	37.7	-3.0	25.4	0.2	58.6	5.6	-44.8	-3.0	25.4	0.2
				Viento +Y exc.-	55.5	0.1	35.0	-0.1	23.2	0.0	55.5	0.5	-40.4	-0.1	23.2	0.0
				Viento -Y exc.+	-58.6	4.0	-37.7	3.0	-25.4	-0.2	-58.6	-5.6	44.8	3.0	-25.4	-0.2
				Viento -Y exc.-	-55.5	-0.1	-35.0	0.1	-23.2	-0.0	-55.5	-0.5	40.4	0.1	-23.2	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1111.1	-1.6	22.1	-0.7	17.2	0.0	1091.2	0.6	-33.7	-0.7	17.2	0.0
				Cargas muertas	836.7	-1.8	-17.1	-0.8	-7.1	0.0	836.7	0.7	6.1	-0.8	-7.1	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	467.6	-0.6	7.6	-0.3	6.3	0.0	467.6	0.3	-12.8	-0.3	6.3	0.0
				Viento +X exc.+	0.2	20.7	0.2	13.5	0.0	-0.0	0.2	-23.3	0.1	13.5	0.0	-0.0
				Viento +X exc.-	0.5	20.4	0.4	13.3	0.2	0.0	0.5	-22.9	-0.2	13.3	0.2	0.0
				Viento -X exc.+	-0.2	-20.7	-0.2	-13.5	-0.0	0.0	-0.2	23.3	-0.1	-13.5	-0.0	0.0
				Viento -X exc.-	-0.5	-20.4	-0.4	-13.3	-0.2	0.0	-0.5	22.9	0.2	-13.3	-0.2	0.0
				Viento +Y exc.+	83.9	-5.7	43.9	-4.0	27.5	0.2	83.9	7.3	-45.5	-4.0	27.5	0.2
				Viento +Y exc.-	78.3	-0.8	39.1	-0.7	24.3	0.0	78.3	1.5	-39.8	-0.7	24.3	0.0
				Viento -Y exc.+	-83.9	5.7	-43.9	4.0	-27.5	-0.2	-83.9	-7.3	45.5	4.0	-27.5	-0.2
				Viento -Y exc.-	-78.3	0.8	-39.1	0.7	-24.3	-0.0	-78.3	-1.5	39.8	0.7	-24.3	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1340.3	-0.3	30.1	-0.7	14.2	-0.0	1317.8	2.0	-16.0	-0.7	14.2	-0.0
				Cargas muertas	1003.0	-0.3	2.9	-0.7	-5.6	-0.0	1003.0	2.0	21.2	-0.7	-5.6	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	0.0	0.1	-0.0	-0.2	0.0
				Sobrecarga de uso	539.6	-0.5	11.7	-0.5	5.4	0.0	539.6	1.0	-5.7	-0.5	5.4	0.0
				Viento +X exc.+	-0.0	23.2	1.2	15.8	0.2	-0.0	-0.0	-28.3	0.6	15.8	0.2	-0.0
				Viento +X exc.-	0.5	23.0	1.5	15.6	0.4	-0.0	0.5	-27.8	0.3	15.6	0.4	-0.0
				Viento -X exc.+	0.0	-23.2	-1.2	-15.8	-0.2	0.0	0.0	28.3	-0.6	-15.8	-0.2	0.0
				Viento -X exc.-	-0.5	-23.0	-1.5	-15.6	-0.4	0.0	-0.5	27.8	-0.3	-15.6	-0.4	0.0
				Viento +Y exc.+	113.7	-3.8	52.7	-4.2	31.8	0.3	113.7	10.0	-50.7	-4.2	31.8	0.3
				Viento +Y exc.-	104.7	0.4	47.6	-0.5	28.4	0.1	104.7	2.1	-44.7	-0.5	28.4	0.1
				Viento -Y exc.+	-113.7	3.8	-52.7	4.2	-31.8	-0.3	-113.7	-10.0	50.7	4.2	-31.8	-0.3
				Viento -Y exc.-	-104.7	-0.4	-47.6	0.5	-28.4	-0.1	-104.7	-2.1	44.7	0.5	-28.4	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1610.8	-2.2	28.5	-0.7	12.5	0.0	1576.1	1.5	-34.1	-0.7	12.5	0.0
				Cargas muertas	1126.4	-2.1	-27.6	-0.5	-6.0	0.0	1126.4	0.6	2.4	-0.5	-6.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	619.2	-0.6	9.9	-0.2	4.2	0.0	619.2	0.3	-11.3	-0.2	4.2	0.0
				Viento +X exc.+	-0.9	33.0	-3.0	12.6	-1.3	-0.1	-0.9	-29.8	3.5	12.6	-1.3	-0.1
				Viento +X exc.-	-0.2	32.2	-2.4	12.2	-1.1	-0.0	-0.2	-29.0	3.0	12.2	-1.1	-0.0
				Viento -X exc.+	0.9	-33.0	3.0	-12.6	1.3	0.1	0.9	29.8	-3.5	-12.6	1.3	0.1
				Viento -X exc.-	0.2	-32.2	2.4	-12.2	1.1	0.0	0.2	29.0	-3.0	-12.2	1.1	0.0
				Viento +Y exc.+	141.3	-18.2	58.3	-7.4	20.0	0.3	141.3	18.8	-41.7	-7.4	20.0	0.3
				Viento +Y exc.-	128.8	-5.8	50.0	-2.4	17.0	0.1	128.8	6.4	-35.1	-2.4	17.0	0.1
				Viento -Y exc.+	-141.3	18.2	-58.3	7.4	-20.0	-0.3	-141.3	-18.8	41.7	7.4	-20.0	-0.3
				Viento -Y exc.-	-128.8	5.8	-50.0	2.4	-17.0	-0.1	-128.8	-6.4	35.1	2.4	-17.0	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1875.6	-1.7	35.4	-0.9	12.9	0.0	1840.9	2.8	-29.4	-0.9	12.9	0.0
				Cargas muertas	1420.6	-1.8	-3.5	-1.0	-6.8	0.0	1420.6	3.2	30.5	-1.0	-6.8	0.0
				H 1	-0.2	-0.1	-9.5	-0.1	-2.5	0.0	-0.2	0.1	2.9	-0.1	-2.5	0.0
				Sobrecarga de uso	697.9	-0.6	12.2	-0.3	4.5	0.0	697.9	0.9	-10.5	-0.3	4.5	0.0
				Viento +X exc.+	-2.1	39.3	-2.8	11.4	-0.7	-0.0	-2.1	-17.8	1.0	11.4	-0.7	-0.0
				Viento +X exc.-	-1.2	38.3	-2.2	11.1	-0.6	-0.0	-1.2	-17.4	0.7	11.1	-0.6	-0.0
				Viento -X exc.+	2.1	-39.3	2.8	-11.4	0.7	0.0	2.1	17.8	-1.0	-11.4	0.7	0.0
				Viento -X exc.-	1.2	-38.3	2.2	-11.1	0.6	0.0	1.2	17.4	-0.7	-11.1	0.6	0.0
				Viento +Y exc.+	169.3	-19.8	62.1	-5.7	17.9	0.2	169.3	8.7	-27.6	-5.7	17.9	0.2
				Viento +Y exc.-	153.2	-5.7	54.0	-1.6	15.7	0.0	153.2	2.3	-24.4	-1.6	15.7	0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Viento -Y exc.+	-169.3	19.8	-62.1	5.7	-17.9	-0.2	-169.3	-8.7	27.6	5.7	-17.9	-0.2
				Viento -Y exc.-	-153.2	5.7	-54.0	1.6	-15.7	-0.0	-153.2	-2.3	24.4	1.6	-15.7	-0.0
				Peso propio	483.5	-0.1	38.8	-0.4	43.4	0.0	1365.6	1.9	-34.0	16.0	26.9	-0.2
				Cargas muertas	345.6	-0.2	29.1	-0.7	32.8	0.0	1036.0	1.1	-33.2	12.1	32.9	-0.1
				H 1	73.5	-0.2	-44.3	-0.8	-58.4	0.0	-25.6	-0.2	4.9	0.4	28.8	0.1
				Sobrecarga de uso	168.4	-0.1	14.2	-0.2	16.0	0.0	505.2	0.7	-12.5	5.8	10.1	-0.1
				Viento +X exc.+	-1.9	1.0	0.5	4.5	0.5	-0.0	4.1	9.3	-1.1	-25.5	1.6	0.3
				Viento +X exc.-	-1.3	0.9	0.4	4.4	0.4	-0.0	4.3	9.1	-0.9	-24.9	1.4	0.3
				Viento -X exc.+	1.9	-1.0	-0.5	-4.5	-0.5	0.0	-4.1	-9.3	1.1	25.5	-1.6	-0.3
				Viento -X exc.-	1.3	-0.9	-0.4	-4.4	-0.4	0.0	-4.3	-9.1	0.9	24.9	-1.4	-0.3
	P. cubierta +32.30	40x40	28.60/31.85	Viento +Y exc.+	48.8	0.6	-4.3	2.9	-5.9	0.0	75.3	-3.7	29.6	19.8	-23.9	-0.3
				Viento +Y exc.-	40.8	1.1	-2.8	5.0	-4.7	0.0	70.9	-0.4	25.7	10.9	-20.3	-0.2
				Viento -Y exc.+	-48.8	-0.6	4.3	-2.9	5.9	-0.0	-75.3	3.7	-29.6	-19.8	23.9	0.3
				Viento -Y exc.-	-40.8	-1.1	2.8	-5.0	4.7	-0.0	-70.9	0.4	-25.7	-10.9	20.3	0.2
				Peso propio	217.2	0.7	27.5	0.5	14.9	0.0	204.4	-0.8	-21.0	0.5	14.9	0.0
				Cargas muertas	179.4	0.3	-4.3	0.2	-2.4	0.0	179.4	-0.3	3.6	0.2	-2.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	181.9	0.4	15.9	0.2	10.3	0.0	181.9	-0.4	-17.5	0.2	10.3	0.0
				Viento +X exc.+	-0.1	4.7	-0.1	2.5	-0.1	-0.0	-0.1	-3.5	0.1	2.5	-0.1	-0.0
				Viento +X exc.-	-0.0	4.6	-0.1	2.5	-0.0	0.0	-0.0	-3.4	0.0	2.5	-0.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento -X exc.+	0.1	-4.7	0.1	-2.5	0.1	0.0	0.1	3.5	-0.1	-2.5	0.1	0.0
				Viento -X exc.-	0.0	-4.6	0.1	-2.5	0.0	0.0	0.0	3.4	-0.0	-2.5	0.0	0.0
				Viento +Y exc.+	5.6	-0.3	16.0	-0.2	8.9	0.0	5.6	0.3	-13.0	-0.2	8.9	0.0
				Viento +Y exc.-	5.4	1.2	15.6	0.6	8.6	-0.0	5.4	-0.7	-12.4	0.6	8.6	-0.0
				Viento -Y exc.+	-5.6	0.3	-16.0	0.2	-8.9	-0.0	-5.6	-0.3	13.0	0.2	-8.9	-0.0
				Viento -Y exc.-	-5.4	-1.2	-15.6	-0.6	-8.6	0.0	-5.4	0.7	12.4	-0.6	-8.6	0.0
				Peso propio	441.1	1.3	40.1	0.8	24.7	-0.0	424.9	-1.4	-40.3	0.8	24.7	-0.0
				Cargas muertas	344.5	0.5	-2.3	0.3	-1.9	0.0	344.5	-0.5	3.9	0.3	-1.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	253.8	0.5	13.9	0.3	7.8	-0.0	253.8	-0.5	-11.4	0.3	7.8	-0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +X exc.+	0.1	9.6	0.1	6.8	0.1	-0.0	0.1	-12.7	-0.1	6.8	0.1	-0.0
				Viento +X exc.-	0.1	9.5	0.2	6.7	0.2	0.0	0.1	-12.5	-0.3	6.7	0.2	0.0
				Viento -X exc.+	-0.1	-9.6	-0.1	-6.8	-0.1	0.0	-0.1	12.7	0.1	-6.8	-0.1	0.0
				Viento -X exc.-	-0.1	-9.5	-0.2	-6.7	-0.2	0.0	-0.1	12.5	0.3	-6.7	-0.2	0.0
				Viento +Y exc.+	20.3	-1.0	25.9	-1.0	18.2	0.0	20.3	2.2	-33.2	-1.0	18.2	0.0
				Viento +Y exc.-	19.1	1.5	24.6	0.8	16.8	-0.0	19.1	-1.0	-30.0	0.8	16.8	-0.0
				Viento -Y exc.+	-20.3	1.0	-25.9	1.0	-18.2	-0.0	-20.3	-2.2	33.2	1.0	-18.2	-0.0
				Viento -Y exc.-	-19.1	-1.5	-24.6	-0.8	-16.8	0.0	-19.1	1.0	30.0	-0.8	-16.8	0.0
				Peso propio	664.6	1.0	27.6	0.7	19.0	0.0	648.4	-1.2	-34.2	0.7	19.0	0.0
				Cargas muertas	509.2	0.5	-6.4	0.3	-2.9	0.0	509.2	-0.5	3.1	0.3	-2.9	0.0
	P. quinta +21.50	50x50	17.80/21.05	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	325.3	0.4	10.4	0.2	7.4	0.0	325.3	-0.4	-13.7	0.2	7.4	0.0
				Viento +X exc.+	0.2	12.0	-0.0	8.5	-0.0	-0.0	0.2	-15.6	0.0	8.5	-0.0	-0.0
				Viento +X exc.-	0.4	11.8	0.2	8.4	0.2	0.0	0.4	-15.3	-0.3	8.4	0.2	0.0
				Viento -X exc.+	-0.2	-12.0	0.0	-8.5	0.0	0.0	-0.2	15.6	-0.0	-8.5	0.0	0.0
				Viento -X exc.-	-0.4	-11.8	-0.2	-8.4	-0.2	0.0	-0.4	15.3	0.3	-8.4	-0.2	0.0
				Viento +Y exc.+	39.2	-2.9	29.6	-2.2	20.7	0.1	39.2	4.2	-37.9	-2.2	20.7	0.1
				Viento +Y exc.-	35.9	0.2	26.0	-0.0	17.9	-0.0	35.9	0.3	-32.1	-0.0	17.9	-0.0
				Viento -Y exc.+	-39.2	2.9	-29.6	2.2	-20.7	-0.1	-39.2	-4.2	37.9	2.2	-20.7	-0.1
				Viento -Y exc.-	-35.9	-0.2	-26.0	0.0	-17.9	0.0	-35.9	-0.3	32.1	0.0	-17.9	0.0
	P. cuarta +17.80	50x50	17.80/21.05	Peso propio	893.9	1.6	38.1	1.0	22.0	0.0	873.9	-1.6	-33.5	1.0	22.0	0.0
				Cargas muertas	675.2	0.6	-2.7	0.3	-3.7	0.0	675.2	-0.5	9.2	0.3	-3.7	0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	397.4	0.6	14.2	0.4	8.0	0.0	397.4	-0.5	-11.6	0.4	8.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.5	17.4	0.3	12.0	0.1	-0.0	0.5	-21.7	-0.2	12.0	0.1	-0.0
				Viento +X exc.-	0.8	17.2	0.6	11.9	0.4	0.0	0.8	-21.4	-0.6	11.9	0.4	0.0
				Viento -X exc.+	-0.5	-17.4	-0.3	-12.0	-0.1	0.0	-0.5	21.7	0.2	-12.0	-0.1	0.0
				Viento -X exc.-	-0.8	-17.2	-0.6	-11.9	-0.4	-0.0	-0.8	21.4	0.6	-11.9	-0.4	-0.0
				Viento +Y exc.+	63.3	-4.0	40.3	-3.0	27.3	0.2	63.3	5.6	-48.5	-3.0	27.3	0.2
				Viento +Y exc.-	56.6	0.1	35.1	-0.1	23.4	0.0	56.6	0.5	-40.9	-0.1	23.4	0.0
				Viento -Y exc.+	-63.3	4.0	-40.3	3.0	-27.3	-0.2	-63.3	-5.6	48.5	3.0	-27.3	-0.2
				Viento -Y exc.-	-56.6	-0.1	-35.1	0.1	-23.4	-0.0	-56.6	-0.5	40.9	0.1	-23.4	-0.0
				P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1121.6	1.4	23.7	0.7	17.8	0.0	1101.7	-0.9	-34.3
	Cargas muertas	840.0	0.5	-15.8	0.2	-6.6	0.0	840.0	-0.3	5.8	0.2	-6.6	0.0			
	H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0	0.0		
	Sobrecarga de uso	468.8	0.5	7.9	0.2	6.4	0.0	468.8	-0.2	-12.8	0.2	6.4	0.0			
	Viento +X exc.+	0.7	20.6	0.2	13.5	-0.0	-0.0	0.7	-23.3	0.2	13.5	-0.0	-0.0			
	Viento +X exc.-	1.3	20.4	0.6	13.3	0.3	0.0	1.3	-23.0	-0.3	13.3	0.3	0.0			
	Viento -X exc.+	-0.7	-20.6	-0.2	-13.5	0.0	0.0	-0.7	23.3	-0.2	-13.5	0.0	0.0			
	Viento -X exc.-	-1.3	-20.4	-0.6	-13.3	-0.3	0.0	-1.3	23.0	0.3	-13.3	-0.3	0.0			
	Viento +Y exc.+	90.9	-5.7	47.3	-4.0	29.9	0.2	90.9	7.3	-49.8	-4.0	29.9	0.2			
	Viento +Y exc.-	79.8	-0.9	39.5	-0.7	24.7	0.0	79.8	1.5	-40.8	-0.7	24.7	0.0			
	Viento -Y exc.+	-90.9	5.7	-47.3	4.0	-29.9	-0.2	-90.9	-7.3	49.8	4.0	-29.9	-0.2			
	Viento -Y exc.-	-79.8	0.9	-39.5	0.7	-24.7	-0.0	-79.8	-1.5	40.8	0.7	-24.7	-0.0			
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1353.0	-0.9	28.2	-0.1	13.6	-0.0	1330.4	-0.7	-16.2	-0.1	13.6	-0.0
	Cargas muertas	1005.7	-0.7	0.4	-0.1	-6.5	-0.0	1005.7	-0.2	21.4	-0.1	-6.5	-0.0			
	H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	-0.1	0.0	0.0	
	Sobrecarga de uso	540.4	-0.4	11.2	-0.1	5.2	0.0	540.4	-0.0	-5.7	-0.1	5.2	0.0			
	Viento +X exc.+	0.8	24.4	2.1	16.3	0.4	-0.0	0.8	-28.7	0.8	16.3	0.4	-0.0			
	Viento +X exc.-	1.8	24.2	2.5	16.1	0.7	-0.0	1.8	-28.2	0.2	16.1	0.7	-0.0			
	Viento -X exc.+	-0.8	-24.4	-2.1	-16.3	-0.4	0.0	-0.8	28.7	-0.8	-16.3	-0.4	0.0			
	Viento -X exc.-	-1.8	-24.2	-2.5	-16.1	-0.7	0.0	-1.8	28.2	-0.2	-16.1	-0.7	0.0			
	Viento +Y exc.+	123.9	-3.7	59.2	-4.2	35.5	0.3	123.9	9.9	-56.1	-4.2	35.5	0.3			
	Viento +Y exc.-	107.2	0.8	50.0	-0.4	29.6	0.1	107.2	1.9	-46.3	-0.4	29.6	0.1			
	Viento -Y exc.+	-123.9	3.7	-59.2	4.2	-35.5	-0.3	-123.9	-9.9	56.1	4.2	-35.5	-0.3			
	Viento -Y exc.-	-107.2	-0.8	-50.0	0.4	-29.6	-0.1	-107.2	-1.9	46.3	0.4	-29.6	-0.1			
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1625.7	-1.6	29.2	-0.9	12.6	0.0	1591.0	2.8	-34.0	-0.9	12.6	0.0
	Cargas muertas	1129.2	-1.6	-26.4	-0.6	-5.9	0.0	1129.2	1.5	3.3	-0.6	-5.9	0.0			
	H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0			
	Sobrecarga de uso	620.2	-0.5	10.0	-0.2	4.2	0.0	620.2	0.6	-11.1	-0.2	4.2	0.0			
	Viento +X exc.+	-0.0	33.6	-3.9	12.9	-1.6	-0.1	-0.0	-30.8	4.4	12.9	-1.6	-0.1			
	Viento +X exc.-	1.3	32.8	-3.0	12.6	-1.3	-0.0	1.3	-30.0	3.6	12.6	-1.3	-0.0			
	Viento -X exc.+	0.0	-33.6	3.9	-12.9	1.6	0.1	0.0	30.8	-4.4	-12.9	1.6	0.1			
	Viento -X exc.-	-1.3	-32.8	3.0	-12.6	1.3	0.0	-1.3	30.0	-3.6	-12.6	1.3	0.0			
	Viento +Y exc.+	154.9	-17.8	64.9	-7.3	22.7	0.3	154.9	18.5	-48.7	-7.3	22.7	0.3			
	Viento +Y exc.-	132.7	-5.4	52.3	-2.3	18.2	0.1	132.7	5.9	-38.8	-2.3	18.2	0.1			
Viento -Y exc.+	-154.9	17.8	-64.9	7.3	-22.7	-0.3	-154.9	-18.5	48.7	7.3	-22.7	-0.3				
Viento -Y exc.-	-132.7	5.4	-52.3	2.3	-18.2	-0.1	-132.7	-5.9	38.8	2.3	-18.2	-0.1				
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1889.7	-0.8	36.9	-0.4	13.6	0.0	1855.1	1.0	-31.1	-0.4	13.6	0.0	
Cargas muertas	1426.2	-1.0	-1.4	-0.5	-5.8	0.0	1426.2	1.7	27.6	-0.5	-5.8	0.0				
H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0				
Sobrecarga de uso	698.9	-0.4	12.6	-0.2	4.7	0.0	698.9	0.5	-11.0	-0.2	4.7	0.0				
Viento +X exc.+	-1.7	39.3	-4.0	11.5	-1.1	-0.0	-1.7	-17.9	1.4	11.5	-1.1	-0.0				
Viento +X exc.-	0.0	38.3	-3.1	11.2	-0.8	-0.0	0.0	-17.5	1.0	11.2	-0.8	-0.0				
Viento -X exc.+	1.7	-39.3	4.0	-11.5	1.1	0.0	1.7	17.9	-1.4	-11.5	1.1	0.0				
Viento -X exc.-	-0.0	-38.3	3.1	-11.2	0.8	0.0	-0.0	17.5	-1.0	-11.2	0.8	0.0				
Viento +Y exc.+	184.8	-19.6	67.7	-5.6	19.3	0.2	184.8	8.4	-28.7	-5.6	19.3	0.2				
Viento +Y exc.-	157.1	-5.5	55.2	-1.5	15.8	0.0	157.1	2.1	-23.9	-1.5	15.8	0.0				
Viento -Y exc.+	-184.8	19.6	-67.7	5.6	-19.3	-0.2	-184.8	-8.4	28.7	5.6	-19.3	-0.2				
Viento -Y exc.-	-157.1	5.5	-55.2	1.5	-15.8	-0.0	-157.1	-2.1	23.9	1.5	-15.8	-0.0				
P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	488.5	-0.2	37.5	-0.7	41.3	-0.0	1272.2	-0.1	-42.5	7.2	32.3	-0.1	
Cargas muertas	347.4	-0.3	28.8	-0.9	31.7	-0.0	966.2	-0.5	-39.8	6.3	33.2	0.1				
H 1	70.7	-0.2	-41.9	-0.3	-54.0	0.0	-31.8	-0.1	5.1	0.2	23.6	0.1				
Sobrecarga de uso	169.2	-0.1	13.7	-0.3	15.1	-0.0	468.0	-0.1	-15.6	2.7	12.0	-0.0				
Viento +X exc.+	-2.4	1.0	0.8	4.5	0.7	-0.0	3.8	9.2	-1.9	-18.2	1.6	0.1				
Viento +X exc.-	-1.6	0.9	0.6	4.4	0.5	-0.0	4.1	9.0	-1.5	-17.8	1.3	0.1				
Viento -X exc.+	2.4	-1.0	-0.8	-4.5	-0.7	0.0	-3.8	-9.2	1.9	18.2	-1.6	-0.1				
Viento -X exc.-	1.6	-0.9	-0.6	-4.4	-0.5	0.0	-4.1	-9.0	1.5	17.8	-1.3	-0.1				
Viento +Y exc.+	55.3	0.6	-5.2	3.0	-6.5	0.0	66.6	-4.6	30.0	14.3	-19.3	-0.1				
Viento +Y exc.-	42.8	1.1	-3.1	5.0	-4.8	0.0	59.0	-1.4	24.3	7.9	-15.3	-0.1				
Viento -Y exc.+	-55.3	-0.6	5.2	-3.0	6.5	-0.0	-66.6	4.6	-30.0	-14.3	19.3	0.1				
Viento -Y exc.-	-42.8	-1.1	3.1	-5.0	4.8	-0.0	-59.0	1.4	-24.3	-7.9	15.3	0.1				
P11	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	218.1	-0.0	27.8	-0.0	15.1	0.0	205.4	0.0	-21.4	-0.0	15.1	0.0
				Cargas muertas	179.6	0.1	-4.0	0.1	-2.3	0.0	179.6	-0.2	3.4	0.1	-2.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	180.7	0.2	16.1	0.1	10.3	0.0	180.7	-0.2	-17.5	0.1	10.3	0.0
				Viento +X exc.+	0.1	4.8	-0.1	2.7	-0.1	-0.0	0.1	-3.8	0.1	2.7	-0.1	-0.0
				Viento +X exc.-	0.1	4.8	-0.1	2.6	-0.0	0.0	0.1	-3.8	0.0	2.6	-0.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. séptima +28.70	45x45	25.00/28.25	Viento -X exc.+	-0.1	-4.8	0.1	-2.7	0.1	0.0	-0.1	3.8	-0.1	-2.7	0.1	0.0
				Viento -X exc.-	-0.1	-4.8	0.1	-2.6	0.0	0.0	-0.1	3.8	-0.0	-2.6	0.0	0.0
				Viento +Y exc.+	3.8	-0.4	15.6	-0.3	8.8	0.0	3.8	0.4	-12.8	-0.3	8.8	0.0
				Viento +Y exc.-	3.5	1.1	14.5	0.5	8.0	-0.0	3.5	-0.6	-11.5	0.5	8.0	-0.0
				Viento -Y exc.+	-3.8	0.4	-15.6	0.3	-8.8	-0.0	-3.8	-0.4	12.8	0.3	-8.8	-0.0
				Viento -Y exc.-	-3.5	-1.1	-14.5	-0.5	-8.0	0.0	-3.5	0.6	11.5	-0.5	-8.0	0.0
				Peso propio	439.6	0.8	40.0	0.6	24.7	-0.0	423.4	-1.0	-40.2	0.6	24.7	-0.0
				Cargas muertas	344.1	0.1	-2.0	0.1	-1.7	0.0	344.1	-0.2	3.5	0.1	-1.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	253.1	0.2	14.2	0.1	8.0	-0.0	253.1	-0.2	-11.9	0.1	8.0	-0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +X exc.+	0.0	9.6	0.1	6.8	0.0	-0.0	0.0	-12.6	-0.0	6.8	0.0	-0.0
				Viento +X exc.-	0.1	9.4	0.2	6.7	0.2	0.0	0.1	-12.4	-0.3	6.7	0.2	0.0
				Viento -X exc.+	-0.0	-9.6	-0.1	-6.8	-0.0	0.0	-0.0	12.6	0.0	-6.8	-0.0	0.0
				Viento -X exc.-	-0.1	-9.4	-0.2	-6.7	-0.2	0.0	-0.1	12.4	0.3	-6.7	-0.2	0.0
				Viento +Y exc.+	18.7	-1.1	26.1	-1.0	18.6	0.0	18.7	2.2	-34.4	-1.0	18.6	0.0
				Viento +Y exc.-	16.6	1.5	23.5	0.8	16.3	-0.0	16.6	-1.0	-29.3	0.8	16.3	-0.0
				Viento -Y exc.+	-18.7	1.1	-26.1	1.0	-18.6	-0.0	-18.7	-2.2	34.4	1.0	-18.6	-0.0
				Viento -Y exc.-	-16.6	-1.5	-23.5	-0.8	-16.3	0.0	-16.6	1.0	29.3	-0.8	-16.3	0.0
				Peso propio	660.5	0.6	27.6	0.4	19.1	0.0	644.3	-0.6	-34.3	0.4	19.1	0.0
				Cargas muertas	508.1	0.3	-6.2	0.1	-2.8	0.0	508.1	-0.2	2.8	0.1	-2.8	0.0
	P. quinta +21.50	50x50	17.80/21.05	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	324.5	0.2	10.6	0.1	7.5	0.0	324.5	-0.2	-13.9	0.1	7.5	0.0
				Viento +X exc.+	-0.1	12.0	-0.1	8.5	-0.1	-0.0	-0.1	-15.6	0.2	8.5	-0.1	-0.0
				Viento +X exc.-	0.2	11.8	0.2	8.4	0.1	0.0	0.2	-15.3	-0.3	8.4	0.1	0.0
				Viento -X exc.+	0.1	-12.0	0.1	-8.5	0.1	0.0	0.1	15.6	-0.2	-8.5	0.1	0.0
				Viento -X exc.-	-0.2	-11.8	-0.2	-8.4	-0.1	0.0	-0.2	15.3	0.3	-8.4	-0.1	0.0
				Viento +Y exc.+	38.6	-3.0	31.1	-2.2	22.0	0.1	38.6	4.3	-40.5	-2.2	22.0	0.1
				Viento +Y exc.-	33.2	0.2	25.8	-0.1	17.9	-0.0	33.2	0.4	-32.4	-0.1	17.9	-0.0
				Viento -Y exc.+	-38.6	3.0	-31.1	2.2	-22.0	-0.1	-38.6	-4.3	40.5	2.2	-22.0	-0.1
				Viento -Y exc.-	-33.2	-0.2	-25.8	0.1	-17.9	0.0	-33.2	-0.4	32.4	0.1	-17.9	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	887.1	0.7	38.0	0.5	22.0	0.0	867.2	-0.9	-33.5	0.5	22.0	0.0
				Cargas muertas	673.5	-0.1	-2.2	-0.0	-3.4	0.0	673.5	-0.1	8.8	-0.0	-3.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	396.6	0.2	14.4	0.1	8.1	0.0	396.6	-0.2	-11.9	0.1	8.1	0.0
				Viento +X exc.+	-0.2	17.4	0.2	12.0	0.0	-0.0	-0.2	-21.6	0.0	12.0	0.0	-0.0
				Viento +X exc.-	0.4	17.2	0.6	11.9	0.4	0.0	0.4	-21.3	-0.6	11.9	0.4	0.0
				Viento -X exc.+	0.2	-17.4	-0.2	-12.0	-0.0	0.0	0.2	21.6	-0.0	-12.0	-0.0	0.0
				Viento -X exc.-	-0.4	-17.2	-0.6	-11.9	-0.4	-0.0	-0.4	21.3	0.6	-11.9	-0.4	-0.0
				Viento +Y exc.+	64.2	-4.0	42.4	-3.0	29.0	0.2	64.2	5.7	-51.8	-3.0	29.0	0.2
				Viento +Y exc.-	53.8	0.1	34.8	-0.1	23.3	0.0	53.8	0.6	-41.1	-0.1	23.3	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento -Y exc.+	-64.2	4.0	-42.4	3.0	-29.0	-0.2	-64.2	-5.7	51.8	3.0	-29.0	-0.2
				Viento -Y exc.-	-53.8	-0.1	-34.8	0.1	-23.3	-0.0	-53.8	-0.6	41.1	0.1	-23.3	-0.0
				Peso propio	1112.1	2.4	23.4	1.0	17.7	0.0	1092.1	-0.8	-34.1	1.0	17.7	0.0
				Cargas muertas	837.5	1.8	-15.8	0.7	-6.6	0.0	837.5	-0.4	5.7	0.7	-6.6	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	467.8	0.8	7.9	0.3	6.4	0.0	467.8	-0.1	-12.9	0.3	6.4	0.0
				Viento +X exc.+	-0.4	20.6	0.0	13.5	-0.2	-0.0	-0.4	-23.3	0.5	13.5	-0.2	-0.0
				Viento +X exc.-	0.5	20.4	0.6	13.3	0.2	0.0	0.5	-23.0	-0.2	13.3	0.2	0.0
				Viento -X exc.+	0.4	-20.6	-0.0	-13.5	0.2	0.0	0.4	23.3	-0.5	-13.5	0.2	0.0
				Viento -X exc.-	-0.5	-20.4	-0.6	-13.3	-0.2	0.0	-0.5	23.0	0.2	-13.3	-0.2	0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento +Y exc.+	93.6	-5.7	50.9	-4.0	32.2	0.2	93.6	7.4	-53.9	-4.0	32.2	0.2
				Viento +Y exc.-	77.2	-0.9	40.0	-0.7	25.1	0.0	77.2	1.5	-41.6	-0.7	25.1	0.0
				Viento -Y exc.+	-93.6	5.7	-50.9	4.0	-32.2	-0.2	-93.6	-7.4	53.9	4.0	-32.2	-0.2
				Viento -Y exc.-	-77.2	0.9	-40.0	0.7	-25.1	-0.0	-77.2	-1.5	41.6	0.7	-25.1	-0.0
				Peso propio	1341.0	-0.6	25.9	0.5	12.4	-0.0	1318.5	-2.3	-14.2	0.5	12.4	-0.0
				Cargas muertas	1003.6	-1.2	-0.4	0.2	-7.1	-0.0	1003.6	-1.7	22.5	0.2	-7.1	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	539.5	-0.8	10.6	-0.1	4.9	0.0	539.5	-0.4	-5.2	-0.1	4.9	0.0
				Viento +X exc.+	-0.7	24.2	2.0	16.3	0.2	-0.0	-0.7	-28.6	1.4	16.3	0.2	-0.0
				Viento +X exc.-	0.6	24.0	2.7	16.0	0.6	-0.0	0.6	-28.1	0.6	16.0	0.6	-0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -X exc.+	0.7	-24.2	-2.0	-16.3	-0.2	0.0	0.7	28.6	-1.4	-16.3	-0.2	0.0
				Viento -X exc.-	-0.6	-24.0	-2.7	-16.0	-0.6	0.0	-0.6	28.1	-0.6	-16.0	-0.6	0.0
				Viento +Y exc.+	128.7	-3.3	62.7	-4.0	37.9	0.3	128.7	9.8	-60.4	-4.0	37.9	0.3
				Viento +Y exc.-	104.6	1.0	49.6	-0.2	29.7	0.1	104.6	1.8	-46.8	-0.2	29.7	0.1
				Viento -Y exc.+	-128.7	3.3	-62.7	4.0	-37.9	-0.3	-128.7	-9.8	60.4	4.0	-37.9	-0.3
				Viento -Y exc.-	-104.6	-1.0	-49.6	0.2	-29.7	-0.1	-104.6	-1.8	46.8	0.2	-29.7	-0.1
				Peso propio	1612.0	-1.7	30.5	-1.0	13.1	0.0	1577.3	3.3	-34.8	-1.0	13.1	0.0
				Cargas muertas	1125.8	-0.6	-26.4	-0.5	-5.9	0.0	1125.8	2.0	3.1	-0.5	-5.9	0.0
				H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	618.5	-0.6	10.4	-0.3	4.3	0.0	618.5	1.1	-11.2	-0.3	4.3	0.0
				Viento +X exc.+	-2.0	34.0	-5.2	13.0	-2.2	-0.1	-2.0	-31.0	5.9	13.0	-2.2	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento +X exc.-	-0.1	33.2	-4.1	12.7	-1.8	-0.0	-0.1	-30.1	4.9	12.7	-1.8	-0.0
				Viento -X exc.+	2.0	-34.0	5.2	-13.0	2.2	0.1	2.0	31.0	-5.9	-13.0	2.2	0.1
				Viento -X exc.-	0.1	-33.2	4.1	-12.7	1.8	0.0	0.1	30.1	-4.9	-12.7	1.8	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +Y exc.+	162.1	-18.7	70.3	-7.5	24.7	0.3	162.1	18.7	-53.3	-7.5	24.7	0.3
				Viento +Y exc.-	130.5	-6.0	53.6	-2.4	18.8	0.1	130.5	6.0	-40.3	-2.4	18.8	0.1
				Viento -Y exc.+	-162.1	18.7	-70.3	7.5	-24.7	-0.3	-162.1	-18.7	53.3	7.5	-24.7	-0.3
				Viento -Y exc.-	-130.5	6.0	-53.6	2.4	-18.8	-0.1	-130.5	-6.0	40.3	2.4	-18.8	-0.1
				Peso propio	1880.1	-0.6	38.7	-0.3	14.4	0.0	1845.4	0.7	-33.1	-0.3	14.4	0.0
				Cargas muertas	1422.8	-0.1	-0.9	0.0	-5.7	0.0	1422.8	-0.1	27.4	0.0	-5.7	0.0
				H 1	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	697.9	-0.3	13.2	-0.1	5.0	0.0	697.9	0.3	-11.8	-0.1	5.0	0.0
				Viento +X exc.+	-4.1	39.6	-5.4	11.6	-1.5	-0.0	-4.1	-18.5	2.0	11.6	-1.5	-0.0
				Viento +X exc.-	-1.8	38.6	-4.1	11.3	-1.1	-0.0	-1.8	-18.0	1.5	11.3	-1.1	-0.0
				Viento -X exc.+	4.1	-39.6	5.4	-11.6	1.5	0.0	4.1	18.5	-2.0	-11.6	1.5	0.0
				Viento -X exc.-	1.8	-38.6	4.1	-11.3	1.1	0.0	1.8	18.0	-1.5	-11.3	1.1	0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Viento +Y exc.+	191.8	-20.2	73.2	-5.9	20.6	0.2	191.8	9.5	-30.0	-5.9	20.6	0.2
				Viento +Y exc.-	153.4	-5.9	56.5	-1.7	16.0	0.0	153.4	2.8	-23.5	-1.7	16.0	0.0
				Viento -Y exc.+	-191.8	20.2	-73.2	5.9	-20.6	-0.2	-191.8	-9.5	30.0	5.9	-20.6	-0.2
				Viento -Y exc.-	-153.4	5.9	-56.5	1.7	-16.0	-0.0	-153.4	-2.8	23.5	1.7	-16.0	-0.0
				Peso propio	484.8	-0.2	38.0	-0.9	41.2	-0.0	1268.4	0.1	-42.5	4.4	31.7	-0.1
				Cargas muertas	345.2	-0.3	29.3	-1.1	31.9	-0.0	967.1	0.0	-40.4	3.0	33.2	-0.0
				H 1	71.3	-0.5	-42.1	-1.6	-54.0	-0.1	-31.9	0.0	5.2	-0.5	23.5	-0.1
				Sobrecarga de uso	168.4	-0.1	13.9	-0.4	15.1	-0.0	468.1	0.0	-15.6	1.6	11.8	-0.0
				Viento +X exc.+	-3.3	1.0	1.0	4.5	0.8	-0.0	2.8	9.3	-2.6	-18.4	2.0	0.1
				Viento +X exc.-	-2.3	0.9	0.8	4.4	0.7	-0.0	3.3	9.0	-2.0	-17.9	1.6	0.1
				Viento -X exc.+	3.3	-1.0	-1.0	-4.5	-0.8	0.0	-2.8	-9.3	2.6	18.4	-2.0	-0.1
				Viento -X exc.-	2.3	-0.9	-0.8	-4.4	-0.7	0.0	-3.3	-9.0	2.0	17.9	-1.6	-0.1
	P12	40x40	28.60/31.85	Viento +Y exc.+	59.7	0.6	-6.4	3.0	-7.4	0.0	65.9	-4.8	33.1	14.2	-21.4	-0.1
				Viento +Y exc.-	43.2	1.1	-3.7	5.0	-5.2	0.0	54.7	-1.5	25.3	7.7	-16.0	-0.0
				Viento -Y exc.+	-59.7	-0.6	6.4	-3.0	7.4	-0.0	-65.9	4.8	-33.1	-14.2	21.4	0.1
				Viento -Y exc.-	-43.2	-1.1	3.7	-5.0	5.2	-0.0	-54.7	1.5	-25.3	-7.7	16.0	0.0
				Peso propio	219.7	1.1	27.8	0.5	15.2	0.0	207.0	-0.5	-21.6	0.5	15.2	0.0
				Cargas muertas	179.3	0.8	-4.2	0.4	-2.3	0.0	179.3	-0.3	3.4	0.4	-2.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	181.7	0.6	16.1	0.3	10.4	0.0	181.7	-0.4	-17.8	0.3	10.4	0.0
				Viento +X exc.+	-0.2	4.8	-0.3	2.6	-0.1	-0.0	-0.2	-3.6	0.2	2.6	-0.1	-0.0
				Viento +X exc.-	-0.2	4.7	-0.2	2.5	-0.1	0.0	-0.2	-3.5	0.1	2.5	-0.1	0.0
				Viento -X exc.+	0.2	-4.8	0.3	-2.6	0.1	0.0	0.2	3.6	-0.2	-2.6	0.1	0.0
				Viento -X exc.-	0.2	-4.7	0.2	-2.5	0.1	0.0	0.2	3.5	-0.1	-2.5	0.1	0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento +Y exc.+	5.8	-0.3	16.1	-0.2	9.1	0.0	5.8	0.3	-13.5	-0.2	9.1	0.0
				Viento +Y exc.-	5.1	1.2	14.2	0.6	7.9	-0.0	5.1	-0.7	-11.5	0.6	7.9	-0.0
				Viento -Y exc.+	-5.8	0.3	-16.1	0.2	-9.1	-0.0	-5.8	-0.3	13.5	0.2	-9.1	-0.0
				Viento -Y exc.-	-5.1	-1.2	-14.2	-0.6	-7.9	0.0	-5.1	0.7	11.5	-0.6	-7.9	0.0
				Peso propio	442.4	3.2	39.3	2.1	24.2	-0.0	426.3	-3.5	-39.4	2.1	24.2	-0.0
				Cargas muertas	344.4	2.0	-2.4	1.3	-1.9	0.0	344.4	-2.3	3.9	1.3	-1.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	253.5	1.0	13.6	0.6	7.6	-0.0	253.5	-1.1	-11.1	0.6	7.6	-0.0
				Viento +X exc.+	-0.2	9.8	-0.1	7.0	-0.1	-0.0	-0.2	-12.9	0.1	7.0	-0.1	-0.0
				Viento +X exc.-	0.0	9.7	0.1	6.9	0.1	0.0	0.0	-12.7	-0.3	6.9	0.1	0.0
				Viento -X exc.+	0.2	-9.8	0.1	-7.0	0.1	0.0	0.2	12.9	-0.1	-7.0	0.1	0.0
				Viento -X exc.-	-0.0	-9.7	-0.1	-6.9	-0.1	0.0	-0.0	12.7	0.3	-6.9	-0.1	0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +Y exc.+	21.3	-1.2	26.7	-1.1	19.3	0.0	21.3	2.3	-35.9	-1.1	19.3	0.0
				Viento +Y exc.-	18.0	1.4	22.7	0.7	15.9	-0.0	18.0	-0.9	-28.9	0.7	15.9	-0.0
				Viento -Y exc.+	-21.3	1.2	-26.7	1.1	-19.3	-0.0	-21.3	-2.3	35.9	1.1	-19.3	-0.0
				Viento -Y exc.-	-18.0	-1.4	-22.7	-0.7	-15.9	0.0	-18.0	0.9	28.9	-0.7	-15.9	0.0
				Peso propio	664.7	2.5	27.3	1.6	18.9	0.0	648.6	-2.7	-34.0	1.6	18.9	0.0
				Cargas muertas	509.2	1.7	-6.4	1.1	-2.9	0.0	509.2	-1.7	3.0	1.1	-2.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	324.8	0.8	10.3	0.5	7.4	0.0	324.8	-0.8	-13.7	0.5	7.4	0.0
				Viento +X exc.+	-0.1	12.3	-0.3	8.7	-0.2	-0.0	-0.1	-15.8	0.4	8.7	-0.2	-0.0
				Viento +X exc.-	0.3	12.1	0.1	8.5	0.1	0.0	0.3	-15.6	-0.2	8.5	0.1	0.0
				Viento -X exc.+	0.1	-12.3	0.3	-8.7	0.2	0.0	0.1	15.8	-0.4	-8.7	0.2	0.0
				Viento -X exc.-	-0.3	-12.1	-0.1	-8.5	-0.1	0.0	-0.3	15.6	0.2	-8.5	-0.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento +Y exc.+	42.3	-3.1	33.1	-2.3	23.6	0.1	42.3	4.4	-43.6	-2.3	23.6	0.1
				Viento +Y exc.-	34.6	0.1	26.0	-0.1	18.1	-0.0	34.6	0.4	-33.0	-0.1	18.1	-0.0
				Viento -Y exc.+	-42.3	3.1	-33.1	2.3	-23.6	-0.1	-42.3	-4.4	43.6	2.3	-23.6	-0.1
				Viento -Y exc.-	-34.6	-0.1	-26.0	0.1	-18.1	0.0	-34.6	-0.4	33.0	0.1	-18.1	0.0
				Peso propio	892.8	3.4	37.6	2.1	21.8	0.0	872.9	-3.5	-33.1	2.1	21.8	0.0
				Cargas muertas	675.3	2.1	-2.4	1.3	-3.5	0.0	675.3	-2.1	9.0	1.3	-3.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	396.9	1.1	14.1	0.7	7.9	0.0	396.9	-1.1	-11.6	0.7	7.9	0.0
				Viento +X exc.+	-0.0	18.0	-0.0	12.3	-0.1	-0.0	-0.0	-22.1	0.3	12.3	-0.1	-0.0
				Viento +X exc.-	0.8	17.7	0.6	12.2	0.3	0.0	0.8	-21.8	-0.5	12.2	0.3	0.0
				Viento -X exc.+	0.0	-18.0	0.0	-12.3	0.1	0.0	0.0	22.1	-0.3	-12.3	0.1	0.0
				Viento -X exc.-	-0.8	-17.7	-0.6	-12.2	-0.3	-0.0	-0.8	21.8	0.5	-12.2	-0.3	-0.0
				Viento +Y exc.+	69.7	-4.3	45.4	-3.2	31.2	0.2	69.7	5.9	-56.0	-3.2	31.2	0.2
				Viento +Y exc.-	55.5	-0.1	35.1	-0.2	23.7	0.0	55.5	0.7	-42.0	-0.2	23.7	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	-69.7	4.3	-45.4	3.2	-31.2	-0.2	-69.7	-5.9	56.0	3.2	-31.2	-0.2
				Viento -Y exc.-	-55.5	0.1	-35.1	0.2	-23.7	-0.0	-55.5	-0.7	42.0	0.2	-23.7	-0.0
				Peso propio	1119.5	3.6	23.4	2.0	17.7	0.0	1099.5	-2.8	-34.0	2.0	17.7	0.0
				Cargas muertas	840.3	2.4	-15.7	1.3	-6.6	0.0	840.3	-1.9	5.8	1.3	-6.6	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	468.1	1.2	7.7	0.6	6.3	0.0	468.1	-0.8	-12.8	0.6	6.3	0.0
				Viento +X exc.+	0.1	20.7	-0.1	13.7	-0.3	-0.0	0.1	-23.7	0.8	13.7	-0.3	-0.0
				Viento +X exc.-	1.3	20.4	0.7	13.5	0.2	0.0	1.3	-23.4	-0.1	13.5	0.2	0.0
				Viento -X exc.+	-0.1	-20.7	0.1	-13.7	0.3	0.0	-0.1	23.7	-0.8	-13.7	0.3	0.0
				Viento -X exc.-	-1.3	-20.4	-0.7	-13.5	-0.2	0.0	-1.3	23.4	0.1	-13.5	-0.2	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento +Y exc.+	101.7	-5.6	55.5	-4.0	35.2	0.2	101.7	7.5	-59.0	-4.0	35.2	0.2
				Viento +Y exc.-	79.5	-0.8	41.3	-0.7	26.0	0.0	79.5	1.6	-43.2	-0.7	26.0	0.0
				Viento -Y exc.+	-101.7	5.6	-55.5	4.0	-35.2	-0.2	-101.7	-7.5	59.0	4.0	-35.2	-0.2
				Viento -Y exc.-	-79.5	0.8	-41.3	0.7	-26.0	-0.0	-79.5	-1.6	43.2	0.7	-26.0	-0.0
				Peso propio	1349.9	-0.3	26.0	0.7	12.2	-0.0	1327.4	-2.6	-13.6	0.7	12.2	-0.0
				Cargas muertas	1006.9	-0.9	-0.2	0.2	-7.1	-0.0	1006.9	-1.5	22.8	0.2	-7.1	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	539.9	-0.5	10.8	0.0	4.9	0.0	539.9	-0.5	-5.1	0.0	4.9	0.0
				Viento +X exc.+	-0.1	24.5	2.2	16.3	0.1	-0.0	-0.1	-28.6	1.9	16.3	0.1	-0.0
				Viento +X exc.-	1.7	24.2	3.1	16.1	0.7	-0.0	1.7	-28.1	0.8	16.1	0.7	-0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -X exc.+	0.1	-24.5	-2.2	-16.3	-0.1	0.0	0.1	28.6	-1.9	-16.3	-0.1	0.0
				Viento -X exc.-	-1.7	-24.2	-3.1	-16.1	-0.7	0.0	-1.7	28.1	-0.8	-16.1	-0.7	0.0
				Viento +Y exc.+	140.0	-3.7	66.0	-4.1	40.4	0.3	140.0	9.6	-65.3	-4.1	40.4	0.3
				Viento +Y exc.-	107.9	0.8	49.2	-0.3	29.9	0.1	107.9	1.8	-47.9	-0.3	29.9	0.1
				Viento -Y exc.+	-140.0	3.7	-66.0	4.1	-40.4	-0.3	-140.0	-9.6	65.3	4.1	-40.4	-0.3
				Viento -Y exc.-	-107.9	-0.8	-49.2	0.3	-29.9	-0.1	-107.9	-1.8	47.9	0.3	-29.9	-0.1
				Peso propio	1621.0	1.2	29.9	-0.1	13.1	0.0	1586.4	1.7	-35.8	-0.1	13.1	0.0
				Cargas muertas	1129.6	2.0	-25.9	0.3	-5.6	0.0	1129.6	0.5	2.2	0.3	-5.6	0.0
				H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	619.2	0.5	10.1	0.0	4.3	0.0	619.2	0.4	-11.3	0.0	4.3	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +X exc.+	-1.8	33.6	-6.4	12.9	-2.7	-0.1	-1.8	-31.0	7.3	12.9	-2.7	-0.1
				Viento +X exc.-	0.6	32.8	-5.0	12.6	-2.2	-0.0	0.6	-30.1	6.1	12.6	-2.2	-0.0
				Viento -X exc.+	1.8	-33.6	6.4	-12.9	2.7	0.1	1.8	31.0	-7.3	-12.9	2.7	0.1
				Viento -X exc.-	-0.6	-32.8	5.0	-12.6	2.2	0.0	-0.6	30.1	-6.1	-12.6	2.2	0.0
				Viento +Y exc.+	176.3	-17.9	77.6	-7.3	27.2	0.3	176.3	18.7	-58.4	-7.3	27.2	0.3
				Viento +Y exc.-	134.5	-5.5	56.5	-2.3	19.8	0.1	134.5	6.0	-42.3	-2.3	19.8	0.1
				Viento -Y exc.+	-176.3	17.9	-77.6	7.3	-27.2	-0.3	-176.3	-18.7	58.4	7.3	-27.2	-0.3
				Viento -Y exc.-	-134.5	5.5	-56.5	2.3	-19.8	-0.1	-134.5	-6.0	42.3	2.3	-19.8	-0.1
				Peso propio	1885.5	1.0	38.7	0.7	14.1	0.0	1850.8	-2.3	-31.9	0.7	14.1	0.0
				Cargas muertas	1427.2	1.3	-0.4	0.8	-5.5	0.0	1427.2	-2.7	27.1	0.8	-5.5	0.0
	P. Baja +0.00	60x60	-3.60/-0.45	H 1	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	698.1	0.3	13.1	0.2	4.9	0.0	698.1	-0.8	-11.4	0.2	4.9	0.0
				Viento +X exc.+	-4.2	39.3	-6.7	11.4	-1.8	-0.0	-4.2	-17.9	2.5	11.4	-1.8	-0.0
				Viento +X exc.-	-1.1	38.3	-5.2	11.2	-1.4	-0.0	-1.1	-17.4	1.9	11.2	-1.4	-0.0
				Viento -X exc.+	4.2	-39.3	6.7	-11.4	1.8	0.0	4.2	17.9	-2.5	-11.4	1.8	0.0
				Viento -X exc.-	1.1	-38.3	5.2	-11.2	1.4	0.0	1.1	17.4	-1.9	-11.2	1.4	0.0
				Viento +Y exc.+	212.1	-19.6	80.2	-5.6	22.8	0.2	212.1	8.5	-33.7	-5.6	22.8	0.2
				Viento +Y exc.-	160.8	-5.5	58.7	-1.5	16.8	0.0	160.8	2.1	-25.1	-1.5	16.8	0.0
				Viento -Y exc.+	-212.1	19.6	-80.2	5.6	-22.8	-0.2	-212.1	-8.5	33.7	5.6	-22.8	-0.2
				Viento -Y exc.-	-160.8	5.5	-58.7	1.5	-16.8	-0.0	-160.8	-2.1	25.1	1.5	-16.8	-0.0
P13	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	486.0	-0.3	38.1	-1.0	42.3	-0.1	1271.1	0.3	-42.1	1.8	31.6	0.1
				Cargas muertas	346.0	-0.3	29.7	-1.2	32.9	-0.0	969.5	0.2	-40.1	1.1	32.7	0.1
				H 1	72.8	-0.0	-43.9	-0.1	-57.8	0.1	-31.3	0.1	5.0	-0.6	23.4	-0.1
				Sobrecarga de uso	168.4	-0.1	14.0	-0.4	15.6	-0.0	468.2	0.1	-15.5	0.7	11.8	0.0
				Viento +X exc.+	-3.7	1.0	1.2	4.5	1.1	-0.0	3.1	9.2	-3.2	-18.1	2.4	0.1
				Viento +X exc.-	-2.4	0.9	0.9	4.4	0.8	-0.0	3.9	9.0	-2.5	-17.7	1.9	0.1
				Viento -X exc.+	3.7	-1.0	-1.2	-4.5	-1.1	0.0	-3.1	-9.2	3.2	18.1	-2.4	-0.1
				Viento -X exc.-	2.4	-0.9	-0.9	-4.4	-0.8	0.0	-3.9	-9.0	2.5	17.7	-1.9	-0.1
				Viento +Y exc.+	67.6	0.6	-7.4	3.0	-8.3	0.0	74.5	-4.7	36.0	13.6	-23.3	-0.1
				Viento +Y exc.-	46.5	1.1	-4.1	5.0	-5.5	0.0	58.3	-1.5	26.1	7.3	-16.5	-0.0
	P. cubierta +32.30	40x40	28.60/31.85	Viento -Y exc.+	-67.6	-0.6	7.4	-3.0	8.3	-0.0	-74.5	4.7	-36.0	-13.6	23.3	0.1
				Viento -Y exc.-	-46.5	-1.1	4.1	-5.0	5.5	-0.0	-58.3	1.5	-26.1	-7.3	16.5	0.0
				Peso propio	218.6	0.3	29.1	0.1	15.6	0.0	205.8	-0.0	-21.7	0.1	15.6	0.0
				Cargas muertas	179.0	0.3	-3.6	0.1	-2.1	0.0	179.0	0.1	3.2	0.1	-2.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	180.3	0.2	16.6	0.0	10.5	0.0	180.3	0.2	-17.6	0.0	10.5	0.0
				Viento +X exc.+	0.1	4.9	-0.3	2.7	-0.1	-0.0	0.1	-3.8	0.2	2.7	-0.1	-0.0
				Viento +X exc.-	0.1	4.8	-0.1	2.6	-0.0	0.0	0.1	-3.7	0.0	2.6	-0.0	0.0
				Viento -X exc.+	-0.1	-4.9	0.3	-2.7	0.1	0.0	-0.1	3.8	-0.2	-2.7	0.1	0.0
				Viento -X exc.-	-0.1	-4.8	0.1	-2.6	0.0	0.0	-0.1	3.7	-0.0	-2.6	0.0	0.0
	P. cubierta +32.30	40x40	28.60/31.85	Viento +Y exc.+	3.5	-0.2	16.1	-0.2	9.0	0.0	3.5	0.4	-13.1	-0.2	9.0	0.0
				Viento +Y exc.-	3.0	1.2	13.4	0.6	7.4	-0.0	3.0	-0.7	-10.6	0.6	7.4	-0.0
				Viento -Y exc.+	-3.5	0.2	-16.1	0.2	-9.0	-0.0	-3.5	-0.4	13.1	0.2	-9.0	-0.0
				Viento -Y exc.-	-3.0	-1.2	-13.4	-0.6	-7.4	0.0	-3.0	0.7	10.6	-0.6	-7.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	45x45	25.00/28.25	Peso propio		442.0	1.7	42.1	1.2	26.1	-0.0	425.8	-2.0	-42.6	1.2	26.1	-0.0
				Cargas muertas	343.8	1.0	-1.2	0.7	-1.1	0.0	343.8	-1.2	2.4	0.7	-1.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	252.7	0.8	15.0	0.6	8.5	-0.0	252.7	-1.0	-12.8	0.6	8.5	-0.0
				Viento +X exc.+	-0.0	9.8	-0.0	6.9	-0.0	-0.0	-0.0	-12.8	0.1	6.9	-0.0	-0.0
				Viento +X exc.-	0.2	9.6	0.3	6.8	0.2	0.0	0.2	-12.6	-0.4	6.8	0.2	0.0
				Viento -X exc.+	0.0	-9.8	0.0	-6.9	0.0	0.0	0.0	12.8	-0.1	-6.9	0.0	0.0
				Viento -X exc.-	-0.2	-9.6	-0.3	-6.8	-0.2	0.0	-0.2	12.6	0.4	-6.8	-0.2	0.0
				Viento +Y exc.+	19.7	-0.6	28.3	-0.7	20.5	0.0	19.7	1.7	-38.4	-0.7	20.5	0.0
				Viento +Y exc.-	15.6	1.8	22.6	1.0	16.0	-0.0	15.6	-1.4	-29.2	1.0	16.0	-0.0
				Viento -Y exc.+	-19.7	0.6	-28.3	0.7	-20.5	-0.0	-19.7	-1.7	38.4	0.7	-20.5	-0.0
				Viento -Y exc.-	-15.6	-1.8	-22.6	-1.0	-16.0	0.0	-15.6	1.4	29.2	-1.0	-16.0	0.0
P. sexta +25.10	45x45	21.40/24.65	Peso propio		665.1	1.3	29.6	0.8	20.3	0.0	649.0	-1.3	-36.4	0.8	20.3	0.0
				Cargas muertas	508.4	0.9	-5.3	0.5	-2.2	0.0	508.4	-0.9	1.9	0.5	-2.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	324.4	0.6	11.3	0.4	8.0	0.0	324.4	-0.6	-14.7	0.4	8.0	0.0
				Viento +X exc.+	-0.2	12.2	-0.3	8.6	-0.2	-0.0	-0.2	-15.8	0.3	8.6	-0.2	-0.0
				Viento +X exc.-	0.4	12.0	0.3	8.5	0.2	0.0	0.4	-15.6	-0.4	8.5	0.2	0.0
				Viento -X exc.+	0.2	-12.2	0.3	-8.6	0.2	0.0	0.2	15.8	-0.3	-8.6	0.2	0.0
				Viento -X exc.-	-0.4	-12.0	-0.3	-8.5	-0.2	0.0	-0.4	15.6	0.4	-8.5	-0.2	0.0
				Viento +Y exc.+	42.4	-2.5	36.0	-1.9	25.7	0.1	42.4	3.8	-47.7	-1.9	25.7	0.1
				Viento +Y exc.-	32.6	0.6	26.8	0.2	18.8	-0.0	32.6	-0.0	-34.3	0.2	18.8	-0.0
				Viento -Y exc.+	-42.4	2.5	-36.0	1.9	-25.7	-0.1	-42.4	-3.8	47.7	1.9	-25.7	-0.1
				Viento -Y exc.-	-32.6	-0.6	-26.8	-0.2	-18.8	0.0	-32.6	0.0	34.3	-0.2	-18.8	0.0
P. quinta +21.50	50x50	17.80/21.05	Peso propio		894.2	2.2	40.6	1.3	23.7	0.0	874.3	-2.0	-36.3	1.3	23.7	0.0
				Cargas muertas	674.4	1.1	-1.1	0.7	-2.6	0.0	674.4	-1.1	7.5	0.7	-2.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	396.8	1.0	15.4	0.6	8.7	0.0	396.8	-0.9	-13.0	0.6	8.7	0.0
				Viento +X exc.+	-0.4	18.0	0.1	12.3	-0.0	-0.0	-0.4	-22.0	0.2	12.3	-0.0	-0.0
				Viento +X exc.-	0.6	17.7	0.9	12.2	0.5	0.0	0.6	-21.8	-0.8	12.2	0.5	0.0
				Viento -X exc.+	0.4	-18.0	-0.1	-12.3	0.0	0.0	0.4	22.0	-0.2	-12.3	0.0	0.0
				Viento -X exc.-	-0.6	-17.7	-0.9	-12.2	-0.5	-0.0	-0.6	21.8	0.8	-12.2	-0.5	-0.0
				Viento +Y exc.+	72.6	-3.3	50.1	-2.5	34.4	0.2	72.6	4.9	-61.6	-2.5	34.4	0.2
				Viento +Y exc.-	54.4	0.7	36.7	0.2	24.8	0.0	54.4	-0.0	-43.9	0.2	24.8	0.0
				Viento -Y exc.+	-72.6	3.3	-50.1	2.5	-34.4	-0.2	-72.6	-4.9	61.6	2.5	-34.4	-0.2
				Viento -Y exc.-	-54.4	-0.7	-36.7	-0.2	-24.8	-0.0	-54.4	0.0	43.9	-0.2	-24.8	-0.0
P. cuarta +17.90	50x50	14.20/17.45	Peso propio		1121.6	1.1	25.5	0.7	19.0	0.0	1101.7	-1.1	-36.4	0.7	19.0	0.0
				Cargas muertas	839.1	0.8	-14.4	0.5	-5.9	0.0	839.1	-0.7	4.8	0.5	-5.9	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	468.2	0.5	8.5	0.3	6.9	0.0	468.2	-0.4	-13.8	0.3	6.9	0.0
				Viento +X exc.+	-0.7	20.1	-0.1	13.4	-0.3	-0.0	-0.7	-23.5	0.9	13.4	-0.3	-0.0
				Viento +X exc.-	0.9	19.9	0.9	13.2	0.3	0.0	0.9	-23.1	-0.2	13.2	0.3	0.0
				Viento -X exc.+	0.7	-20.1	0.1	-13.4	0.3	0.0	0.7	23.5	-0.9	-13.4	0.3	0.0
				Viento -X exc.-	-0.9	-19.9	-0.9	-13.2	-0.3	0.0	-0.9	23.1	0.2	-13.2	-0.3	0.0
				Viento +Y exc.+	107.9	-4.8	59.8	-3.5	38.4	0.2	107.9	6.5	-64.9	-3.5	38.4	0.2
				Viento +Y exc.-	79.5	-0.4	42.3	-0.4	27.0	0.0	79.5	0.9	-45.3	-0.4	27.0	0.0
				Viento -Y exc.+	-107.9	4.8	-59.8	3.5	-38.4	-0.2	-107.9	-6.5	64.9	3.5	-38.4	-0.2
				Viento -Y exc.-	-79.5	0.4	-42.3	0.4	-27.0	-0.0	-79.5	-0.9	45.3	0.4	-27.0	-0.0
P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio		1352.0	0.4	24.7	0.4	11.7	-0.0	1329.5	-0.7	-13.4	0.4	11.7	-0.0
				Cargas muertas	1005.0	-0.4	-0.7	0.0	-7.2	-0.0	1005.0	-0.4	22.7	0.0	-7.2	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	539.8	-0.0	10.7	0.0	4.9	0.0	539.8	-0.1	-5.3	0.0	4.9	0.0
				Viento +X exc.+	-1.5	25.3	2.0	16.5	-0.2	-0.0	-1.5	-28.3	2.5	16.5	-0.2	-0.0
				Viento +X exc.-	0.8	25.0	3.0	16.3	0.6	-0.0	0.8	-27.8	1.2	16.3	0.6	-0.0
				Viento -X exc.+	1.5	-25.3	-2.0	-16.5	0.2	0.0	1.5	28.3	-2.5	-16.5	0.2	0.0
				Viento -X exc.-	-0.8	-25.0	-3.0	-16.3	-0.6	0.0	-0.8	27.8	-1.2	-16.3	-0.6	0.0
				Viento +Y exc.+	149.0	-4.4	70.5	-4.3	43.1	0.3	149.0	9.6	-69.6	-4.3	43.1	0.3
				Viento +Y exc.-	108.4	0.4	49.5	-0.4	30.2	0.1	108.4	1.8	-48.5	-0.4	30.2	0.1
				Viento -Y exc.+	-149.0	4.4	-70.5	4.3	-43.1	-0.3	-149.0	-9.6	69.6	4.3	-43.1	-0.3
				Viento -Y exc.-	-108.4	-0.4	-49.5	0.4	-30.2	-0.1	-108.4	-1.8	48.5	0.4	-30.2	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio		1623.3	1.8	29.6	0.3	13.1	0.0	1588.6	0.2	-35.8	0.3	13.1	0.0
				Cargas muertas	1126.9	3.6	-27.0	0.9	-6.0	0.0	1126.9	-1.1	2.8	0.9	-6.0	0.0
				H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	618.6	0.6	10.1	0.1	4.3	0.0	618.6	-0.1	-11.2	0.1	4.3	0.0
				Viento +X exc.+	-3.7	33.9	-8.0	13.2	-3.4	-0.1	-3.7	-31.8	9.0	13.2	-3.4	-0.1
				Viento +X exc.-	-0.7	33.1	-6.3	12.8	-2.8	-0.0	-0.7	-30.9	7.6	12.8	-2.8	-0.0
				Viento -X exc.+	3.7	-33.9	8.0	-13.2	3.4	0.1	3.7	31.8	-9.0	-13.2	3.4	0.1
				Viento -X exc.-	0.7	-33.1	6.3	-12.8	2.8	0.0	0.7	30.9	-7.6	-12.8	2.8	0.0
				Viento +Y exc.+	187.8	-18.6	83.8	-7.6	29.6	0.3	187.8	19.6	-64.2	-7.6	29.6	0.3
				Viento +Y exc.-	135.6	-5.9	58.5	-2.5	20.6	0.1	135.6	6.5	-44.7	-2.5	20.6	0.1
				Viento -Y exc.+	-187.8	18.6	-83.8	7.6	-29.6	-0.3	-187.8	-19.6	64.2	7.6	-29.6	-0.3
				Viento -Y exc.-	-135.6	5.9	-58.5	2.5	-20.6	-0.1	-135.6	-6.5	44.7	2.5	-20.6	-0.1
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio		1888.5	0.8	39.6	0.6	14.4	0.0	1853.9	-2.0	-32.2	0.6	14.4	0.0
			Cargas muertas		1423.3	1.9	-0.3	1.2	-5.6	0.0	1423.3	-3.9	27.9	1.2	-5.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	697.4	0.1	13.4	0.1	5.0	0.0	697.4	-0.4	-11.6	0.1	5.0	0.0
				Viento +X exc.+	-7.2	39.2	-8.1	11.4	-2.3	-0.0	-7.2	-17.7	3.2	11.4	-2.3	-0.0
				Viento +X exc.-	-3.4	38.2	-6.3	11.1	-1.7	-0.0	-3.4	-17.2	2.4	11.1	-1.7	-0.0
				Viento -X exc.+	7.2	-39.2	8.1	-11.4	2.3	0.0	7.2	17.7	-3.2	-11.4	2.3	0.0
				Viento -X exc.-	3.4	-38.2	6.3	-11.1	1.7	0.0	3.4	17.2	-2.4	-11.1	1.7	0.0
				Viento +Y exc.+	224.9	-19.8	86.0	-5.7	24.3	0.2	224.9	8.8	-35.3	-5.7	24.3	0.2
				Viento +Y exc.-	161.6	-5.7	60.2	-1.6	17.0	0.0	161.6	2.4	-25.1	-1.6	17.0	0.0
				Viento -Y exc.+	-224.9	19.8	-86.0	5.7	-24.3	-0.2	-224.9	-8.8	35.3	5.7	-24.3	-0.2
				Viento -Y exc.-	-161.6	5.7	-60.2	1.6	-17.0	-0.0	-161.6	-2.4	25.1	1.6	-17.0	-0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	488.3	-0.2	38.0	-0.6	42.3	-0.0	1276.3	0.2	-43.2	-0.2	32.7	-0.0
				Cargas muertas	345.4	-0.3	29.9	-0.9	33.3	-0.1	971.6	-0.0	-41.7	0.3	33.9	0.1
				H 1	70.2	0.1	-42.6	-0.1	-55.6	0.1	-31.4	-0.0	5.1	-0.3	23.4	0.1
				Sobrecarga de uso	168.7	-0.1	13.9	-0.3	15.5	-0.0	468.7	0.1	-15.9	-0.1	12.1	-0.0
				Viento +X exc.+	-4.8	1.0	1.3	4.6	1.2	-0.0	1.7	9.2	-3.9	-18.0	2.8	0.1
				Viento +X exc.-	-3.2	0.9	1.1	4.4	1.0	-0.0	2.7	8.9	-3.0	-17.6	2.2	0.1
				Viento -X exc.+	4.8	-1.0	-1.3	-4.6	-1.2	0.0	-1.7	-9.2	3.9	18.0	-2.8	-0.1
				Viento -X exc.-	3.2	-0.9	-1.1	-4.4	-1.0	0.0	-2.7	-8.9	3.0	17.6	-2.2	-0.1
				Viento +Y exc.+	73.6	0.6	-8.6	3.0	-9.4	0.0	77.8	-4.9	38.9	13.4	-25.1	-0.1
				Viento +Y exc.-	48.0	1.1	-4.7	5.0	-6.0	0.0	57.1	-1.6	27.0	7.2	-17.0	-0.0
				Viento -Y exc.+	-73.6	-0.6	8.6	-3.0	9.4	-0.0	-77.8	4.9	-38.9	-13.4	25.1	0.1
				Viento -Y exc.-	-48.0	-1.1	4.7	-5.0	6.0	-0.0	-57.1	1.6	-27.0	-7.2	17.0	0.0
P14	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	222.4	-0.2	31.6	-0.1	17.0	0.0	209.6	0.3	-23.7	-0.1	17.0	0.0
				Cargas muertas	182.2	-0.4	-2.8	-0.3	-1.6	0.0	182.2	0.6	2.5	-0.3	-1.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	183.9	-0.0	17.3	-0.0	11.0	0.0	183.9	-0.0	-18.6	-0.0	11.0	0.0
				Viento +X exc.+	-0.2	4.8	-0.3	2.6	-0.2	-0.0	-0.2	-3.7	0.2	2.6	-0.2	-0.0
				Viento +X exc.-	-0.2	4.7	-0.1	2.6	-0.1	0.0	-0.2	-3.6	0.0	2.6	-0.1	0.0
				Viento -X exc.+	0.2	-4.8	0.3	-2.6	0.2	0.0	0.2	3.7	-0.2	-2.6	0.2	0.0
				Viento -X exc.-	0.2	-4.7	0.1	-2.6	0.1	0.0	0.2	3.6	-0.0	-2.6	0.1	0.0
				Viento +Y exc.+	6.8	-0.5	16.6	-0.3	9.5	0.0	6.8	0.6	-14.1	-0.3	9.5	0.0
				Viento +Y exc.-	5.7	1.1	13.1	0.5	7.4	-0.0	5.7	-0.5	-10.9	0.5	7.4	-0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	449.0	1.1	45.5	0.8	28.2	-0.0	432.9	-1.3	-46.0	0.8	28.2	-0.0
				Cargas muertas	348.4	0.1	0.0	0.1	-0.4	0.0	348.4	-0.2	1.3	0.1	-0.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	256.6	0.0	15.1	-0.0	8.5	-0.0	256.6	0.1	-12.6	-0.0	8.5	-0.0
				Viento +X exc.+	-0.4	9.8	-0.1	6.9	-0.1	-0.0	-0.4	-12.8	0.2	6.9	-0.1	-0.0
				Viento +X exc.-	-0.1	9.6	0.3	6.8	0.2	0.0	-0.1	-12.6	-0.4	6.8	0.2	0.0
				Viento -X exc.+	0.4	-9.8	0.1	-6.9	0.1	0.0	0.4	12.8	-0.2	-6.9	0.1	0.0
				Viento -X exc.-	0.1	-9.6	-0.3	-6.8	-0.2	0.0	0.1	12.6	0.4	-6.8	-0.2	0.0
				Viento +Y exc.+	23.9	-1.0	28.6	-0.9	21.0	0.0	23.9	2.1	-39.7	-0.9	21.0	0.0
				Viento +Y exc.-	18.3	1.6	21.5	0.8	15.4	-0.0	18.3	-1.1	-28.5	0.8	15.4	-0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	675.6	0.9	32.5	0.6	22.2	0.0	659.4	-1.0	-39.6	0.6	22.2	0.0
				Cargas muertas	514.5	0.1	-4.3	0.0	-1.5	0.0	514.5	-0.1	0.7	0.0	-1.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	328.9	0.1	11.7	0.0	8.3	0.0	328.9	-0.1	-15.2	0.0	8.3	0.0
				Viento +X exc.+	-0.7	12.2	-0.4	8.6	-0.3	-0.0	-0.7	-15.8	0.5	8.6	-0.3	-0.0
				Viento +X exc.-	0.0	12.0	0.2	8.5	0.2	0.0	0.0	-15.5	-0.4	8.5	0.2	0.0
				Viento -X exc.+	0.7	-12.2	0.4	-8.6	0.3	0.0	0.7	15.8	-0.5	-8.6	0.3	0.0
				Viento -X exc.-	-0.0	-12.0	-0.2	-8.5	-0.2	0.0	-0.0	15.5	0.4	-8.5	-0.2	0.0
				Viento +Y exc.+	47.9	-2.8	37.8	-2.1	27.2	0.1	47.9	4.1	-50.6	-2.1	27.2	0.1
				Viento +Y exc.-	35.3	0.3	26.7	0.0	18.9	-0.0	35.3	0.2	-34.7	0.0	18.9	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	908.2	1.5	44.4	0.9	26.0	0.0	888.3	-1.5	-40.1	0.9	26.0	0.0
				Cargas muertas	682.2	0.1	0.4	0.1	-1.7	0.0	682.2	-0.1	6.0	0.1	-1.7	0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	402.0	0.2	16.0	0.1	9.1	0.0	402.0	-0.1	-13.6	0.1	9.1	0.0
				Viento +X exc.+	-1.1	17.9	-0.1	12.3	-0.2	-0.0	-1.1	-22.0	0.5	12.3	-0.2	-0.0
				Viento +X exc.-	0.2	17.6	0.8	12.1	0.5	0.0	0.2	-21.7	-0.7	12.1	0.5	0.0
				Viento -X exc.+	1.1	-17.9	0.1	-12.3	0.2	0.0	1.1	22.0	-0.5	-12.3	0.2	0.0
				Viento -X exc.-	-0.2	-17.6	-0.8	-12.1	-0.5	-0.0	-0.2	21.7	0.7	-12.1	-0.5	-0.0
				Viento +Y exc.+	80.2	-3.8	52.8	-2.9	36.4	0.2	80.2	5.5	-65.5	-2.9	36.4	0.2
				Viento +Y exc.-	57.6	0.3	36.7	-0.0	24.9	0.0	57.6	0.3	-44.4	-0.0	24.9	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	-80.2	3.8	-52.8	2.9	-36.4	-0.2	-80.2	-5.5	65.5	2.9	-36.4	-0.2
				Viento -Y exc.-	-57.6	-0.3	-36.7	0.0	-24.9	-0.0	-57.6	-0.3	44.4	0.0	-24.9	-0.0
				Peso propio	1139.7	0.3	29.4	0.2	21.4	0.0	1119.8	-0.4	-40.2	0.2	21.4	0.0
				Cargas muertas	848.8	-0.5	-13.0	-0.3	-5.0	0.0	848.8	0.4	3.4	-0.3	-5.0	0.0
				H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	474.5	-0.2	9.3	-0.2	7.4	0.0	474.5	0.3	-14.6	-0.2	7.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-1.7	20.3	-0.3	13.4	-0.5	-0.0	-1.7	-23.4	1.3	13.4	-0.5	-0.0
				Viento +X exc.-	0.3	20.0	0.9	13.3	0.3	0.0	0.3	-23.1	-0.0	13.3	0.3	0.0
				Viento -X exc.+	1.7	-20.3	0.3	-13.4	0.5	0.0	1.7	23.4	-1.3	-13.4	0.5	0.0
				Viento -X exc.-	-0.3	-20.0	-0.9	-13.3	-0.3	0.0	-0.3	23.1	0.0	-13.3	-0.3	0.0
				Viento +Y exc.+	118.3	-5.2	64.0	-3.7	41.1	0.2	118.3	7.0	-69.7	-3.7	41.1	0.2
				Viento +Y exc.-	83.4	-0.6	43.2	-0.6	27.6	0.0	83.4	1.3	-46.5	-0.6	27.6	0.0
				Viento -Y exc.+	-118.3	5.2	-64.0	3.7	-41.1	-0.2	-118.3	-7.0	69.7	3.7	-41.1	-0.2
				Viento -Y exc.-	-83.4	0.6	-43.2	0.6	-27.6	-0.0	-83.4	-1.3	46.5	0.6	-27.6	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1374.1	2.4	28.5	1.1	14.0	-0.0	1351.5	-1.1	-17.0	1.1	14.0	-0.0
				Cargas muertas	1016.5	1.1	1.4	0.4	-6.2	-0.0	1016.5	-0.2	21.4	0.4	-6.2	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	547.4	0.3	11.7	0.0	5.5	0.0	547.4	0.2	-6.2	0.0	5.5	0.0
				Viento +X exc.+	-2.9	24.3	1.7	16.1	-0.4	-0.0	-2.9	-28.0	3.2	16.1	-0.4	-0.0
				Viento +X exc.-	-0.1	24.1	3.0	15.9	0.4	-0.0	-0.1	-27.6	1.7	15.9	0.4	-0.0
				Viento -X exc.+	2.9	-24.3	-1.7	-16.1	0.4	0.0	2.9	28.0	-3.2	-16.1	0.4	0.0
				Viento -X exc.-	0.1	-24.1	-3.0	-15.9	-0.4	0.0	0.1	27.6	-1.7	-15.9	-0.4	0.0
				Viento +Y exc.+	162.6	-4.7	74.5	-4.5	45.8	0.3	162.6	9.9	-74.5	-4.5	45.8	0.3
				Viento +Y exc.-	113.1	0.0	49.5	-0.6	30.5	0.1	113.1	2.1	-49.6	-0.6	30.5	0.1
				Viento -Y exc.+	-162.6	4.7	-74.5	4.5	-45.8	-0.3	-162.6	-9.9	74.5	4.5	-45.8	-0.3
				Viento -Y exc.-	-113.1	-0.0	-49.5	0.6	-30.5	-0.1	-113.1	-2.1	49.6	0.6	-30.5	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1648.0	0.7	32.7	0.3	14.4	0.0	1613.3	-0.6	-39.6	0.3	14.4	0.0
				Cargas muertas	1140.1	1.4	-27.3	0.5	-5.8	0.0	1140.1	-1.2	1.7	0.5	-5.8	0.0
				H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	-0.0	-0.6	0.0	0.5	0.0
				Sobrecarga de uso	627.4	0.5	10.9	0.2	4.6	0.0	627.4	-0.5	-12.2	0.2	4.6	0.0
				Viento +X exc.+	-5.5	33.4	-9.4	12.9	-4.0	-0.1	-5.5	-31.0	10.7	12.9	-4.0	-0.1
				Viento +X exc.-	-1.8	32.6	-7.5	12.6	-3.3	-0.0	-1.8	-30.1	9.1	12.6	-3.3	-0.0
				Viento -X exc.+	5.5	-33.4	9.4	-12.9	4.0	0.1	5.5	31.0	-10.7	-12.9	4.0	0.1
				Viento -X exc.-	1.8	-32.6	7.5	-12.6	3.3	0.0	1.8	30.1	-9.1	-12.6	3.3	0.0
				Viento +Y exc.+	204.7	-18.1	89.1	-7.5	31.6	0.3	204.7	19.4	-68.8	-7.5	31.6	0.3
				Viento +Y exc.-	141.3	-5.7	59.8	-2.4	21.2	0.1	141.3	6.6	-46.4	-2.4	21.2	0.1
				Viento -Y exc.+	-204.7	18.1	-89.1	7.5	-31.6	-0.3	-204.7	-19.4	68.8	7.5	-31.6	-0.3
				Viento -Y exc.-	-141.3	5.7	-59.8	2.4	-21.2	-0.1	-141.3	-6.6	46.4	2.4	-21.2	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1912.8	-0.4	41.0	-0.1	15.0	0.0	1878.1	0.3	-34.0	-0.1	15.0	0.0
				Cargas muertas	1431.8	0.1	-1.7	0.1	-6.2	0.0	1431.8	-0.5	29.5	0.1	-6.2	0.0
				H 1	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	0.1	2.8	-0.1	-2.4	0.0
				Sobrecarga de uso	706.2	-0.1	13.9	0.0	5.2	0.0	706.2	-0.1	-12.3	0.0	5.2	0.0
				Viento +X exc.+	-9.5	39.2	-9.5	11.4	-2.7	-0.0	-9.5	-17.6	3.8	11.4	-2.7	-0.0
				Viento +X exc.-	-5.0	38.2	-7.3	11.1	-2.1	-0.0	-5.0	-17.2	2.9	11.1	-2.1	-0.0
				Viento -X exc.+	9.5	-39.2	9.5	-11.4	2.7	0.0	9.5	17.6	-3.8	-11.4	2.7	0.0
				Viento -X exc.-	5.0	-38.2	7.3	-11.1	2.1	0.0	5.0	17.2	-2.9	-11.1	2.1	0.0
				Viento +Y exc.+	242.5	-19.4	91.5	-5.5	25.6	0.2	242.5	8.1	-36.4	-5.5	25.6	0.2
				Viento +Y exc.-	166.8	-5.4	61.4	-1.5	17.2	0.0	166.8	1.9	-24.7	-1.5	17.2	0.0
				Viento -Y exc.+	-242.5	19.4	-91.5	5.5	-25.6	-0.2	-242.5	-8.1	36.4	5.5	-25.6	-0.2
				Viento -Y exc.-	-166.8	5.4	-61.4	1.5	-17.2	-0.0	-166.8	-1.9	24.7	1.5	-17.2	-0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	493.8	0.0	38.3	-0.3	43.1	0.0	1286.7	0.1	-41.7	-2.6	31.8	-0.1
				Cargas muertas	349.2	-0.1	28.5	-0.6	32.2	0.0	967.8	0.2	-38.8	-2.5	33.4	-0.1
				H 1	72.1	-0.1	-43.5	-0.6	-57.5	0.0	-31.9	0.1	5.3	-0.7	23.1	-0.0
				Sobrecarga de uso	170.7	-0.0	14.1	-0.2	15.9	0.0	473.2	0.0	-15.5	-0.9	11.9	-0.0
				Viento +X exc.+	-5.8	1.0	1.5	4.5	1.4	-0.0	0.6	9.2	-4.6	-18.1	3.2	0.1
				Viento +X exc.-	-3.9	0.9	1.2	4.4	1.1	-0.0	1.9	9.0	-3.6	-17.6	2.5	0.1
				Viento -X exc.+	5.8	-1.0	-1.5	-4.5	-1.4	0.0	-0.6	-9.2	4.6	18.1	-3.2	-0.1
				Viento -X exc.-	3.9	-0.9	-1.2	-4.4	-1.1	0.0	-1.9	-9.0	3.6	17.6	-2.5	-0.1
				Viento +Y exc.+	80.8	0.6	-9.6	2.9	-10.2	0.0	84.1	-5.0	41.6	13.0	-27.1	-0.1
				Viento +Y exc.-	50.6	1.1	-5.1	4.9	-6.3	-0.0	58.9	-1.6	27.7	6.9	-17.7	-0.0
				Viento -Y exc.+	-80.8	-0.6	9.6	-2.9	10.2	-0.0	-84.1	5.0	-41.6	-13.0	27.1	0.1
				Viento -Y exc.-	-50.6	-1.1	5.1	-4.9	6.3	0.0	-58.9	1.6	-27.7	-6.9	17.7	0.0
P15	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	231.6	-1.4	32.3	-1.1	17.2	0.0	218.8	2.3	-23.5	-1.1	17.2	0.0
				Cargas muertas	179.5	0.8	-2.7	0.5	-1.8	0.0	179.5	-0.7	3.0	0.5	-1.8	0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	194.5	-1.3	17.4	-1.3	11.0	0.0	194.5	2.8	-18.3	-1.3	11.0	0.0
				Viento +X exc.+	-0.0	4.8	-0.5	2.6	-0.2	-0.0	-0.0	-3.6	0.2	2.6	-0.2	-0.0
				Viento +X exc.-	0.1	4.7	-0.2	2.5	-0.1	0.0	0.1	-3.5	0.0	2.5	-0.1	0.0
				Viento -X exc.+	0.0	-4.8	0.5	-2.6	0.2	0.0	0.0	3.6	-0.2	-2.6	0.2	0.0
				Viento -X exc.-	-0.1	-4.7	0.2	-2.5	0.1	0.0	-0.1	3.5	-0.0	-2.5	0.1	0.0
				Viento +Y exc.+	7.7	-0.2	16.7	-0.1	9.6	0.0	7.7	0.3	-14.4	-0.1	9.6	0.0
				Viento +Y exc.-	5.9	1.3	12.3	0.6	7.0	-0.0	5.9	-0.7	-10.4	0.6	7.0	-0.0
				Viento -Y exc.+	-7.7	0.2	-16.7	0.1	-9.6	-0.0	-7.7	-0.3	14.4	0.1	-9.6	-0.0
				Viento -Y exc.-	-5.9	-1.3	-12.3	-0.6	-7.0	0.0	-5.9	0.7	10.4	-0.6	-7.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	463.6	0.9	47.3	0.7	29.4	-0.0	447.4	-1.4	-48.2	0.7	29.4	-0.0
				Cargas muertas	347.0	1.0	1.0	0.6	0.3	0.0	347.0	-1.1	-0.0	0.6	0.3	0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	268.9	0.9	15.9	0.8	9.0	-0.0	268.9	-1.7	-13.5	0.8	9.0	-0.0
				Viento +X exc.+	-0.6	10.0	-0.4	7.1	-0.3	-0.0	-0.6	-13.0	0.5	7.1	-0.3	-0.0
				Viento +X exc.-	-0.2	9.9	0.1	7.0	0.1	0.0	-0.2	-12.8	-0.2	7.0	0.1	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. sexta +25.10	45x45	21.40/24.65	Viento -X exc.+	0.6	-10.0	0.4	-7.1	0.3	0.0	0.6	13.0	-0.5	-7.1	0.3	0.0
				Viento -X exc.-	0.2	-9.9	-0.1	-7.0	-0.1	0.0	0.2	12.8	0.2	-7.0	-0.1	0.0
				Viento +Y exc.+	25.2	-0.8	29.0	-0.8	21.5	0.0	25.2	1.9	-41.0	-0.8	21.5	0.0
				Viento +Y exc.-	18.0	1.7	20.4	0.9	14.8	-0.0	18.0	-1.3	-27.8	0.9	14.8	-0.0
				Viento -Y exc.+	-25.2	0.8	-29.0	0.8	-21.5	-0.0	-25.2	-1.9	41.0	0.8	-21.5	-0.0
				Viento -Y exc.-	-18.0	-1.7	-20.4	-0.9	-14.8	0.0	-18.0	1.3	27.8	-0.9	-14.8	0.0
				Peso propio	695.2	0.3	33.9	0.2	23.1	0.0	679.1	-0.3	-41.1	0.2	23.1	0.0
				Cargas muertas	514.4	0.9	-3.6	0.6	-1.1	0.0	514.4	-1.0	0.0	0.6	-1.1	0.0
				H 1	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	343.4	0.1	12.3	0.0	8.7	0.0	343.4	0.1	-15.8	0.0	8.7	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento +X exc.+	-1.4	12.4	-0.7	8.7	-0.5	-0.0	-1.4	-16.0	0.8	8.7	-0.5	-0.0
				Viento +X exc.-	-0.5	12.3	0.1	8.6	0.1	0.0	-0.5	-15.8	-0.2	8.6	0.1	0.0
				Viento -X exc.+	1.4	-12.4	0.7	-8.7	0.5	0.0	1.4	16.0	-0.8	-8.7	0.5	0.0
				Viento -X exc.-	0.5	-12.3	-0.1	-8.6	-0.1	0.0	0.5	15.8	0.2	-8.6	-0.1	0.0
				Viento +Y exc.+	50.4	-2.8	39.5	-2.1	28.6	0.1	50.4	4.1	-53.4	-2.1	28.6	0.1
				Viento +Y exc.-	34.9	0.4	26.5	0.1	18.9	-0.0	34.9	0.2	-35.0	0.1	18.9	-0.0
				Viento -Y exc.+	-50.4	2.8	-39.5	2.1	-28.6	-0.1	-50.4	-4.1	53.4	2.1	-28.6	-0.1
				Viento -Y exc.-	-34.9	-0.4	-26.5	-0.1	-18.9	0.0	-34.9	-0.2	35.0	-0.1	-18.9	0.0
				Peso propio	932.6	2.1	45.6	1.0	26.9	0.0	912.7	-1.3	-41.8	1.0	26.9	0.0
				Cargas muertas	682.9	2.0	1.0	1.1	-1.3	0.0	682.9	-1.5	5.1	1.1	-1.3	0.0
	P. cuarta +17.90	50x50	14.20/17.45	H 1	0.1	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	418.5	0.9	16.6	0.5	9.5	0.0	418.5	-0.7	-14.2	0.5	9.5	0.0
				Viento +X exc.+	-2.3	18.4	-0.4	12.5	-0.4	-0.0	-2.3	-22.4	0.8	12.5	-0.4	-0.0
				Viento +X exc.-	-0.8	18.1	0.6	12.4	0.4	0.0	-0.8	-22.1	-0.5	12.4	0.4	0.0
				Viento -X exc.+	2.3	-18.4	0.4	-12.5	0.4	0.0	2.3	22.4	-0.8	-12.5	0.4	0.0
				Viento -X exc.-	0.8	-18.1	-0.6	-12.4	-0.4	-0.0	0.8	22.1	0.5	-12.4	-0.4	-0.0
				Viento +Y exc.+	84.6	-3.8	55.3	-2.8	38.3	0.2	84.6	5.4	-69.1	-2.8	38.3	0.2
				Viento +Y exc.-	57.3	0.4	36.4	0.0	25.0	0.0	57.3	0.3	-44.7	0.0	25.0	0.0
				Viento -Y exc.+	-84.6	3.8	-55.3	2.8	-38.3	-0.2	-84.6	-5.4	69.1	2.8	-38.3	-0.2
				Viento -Y exc.-	-57.3	-0.4	-36.4	-0.0	-25.0	-0.0	-57.3	-0.3	44.7	-0.0	-25.0	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1167.1	0.6	30.7	0.6	22.1	0.0	1147.2	-1.3	-41.2	0.6	22.1	0.0
				Cargas muertas	849.3	1.3	-12.2	0.9	-4.7	0.0	849.3	-1.7	3.0	0.9	-4.7	0.0
				H 1	0.1	-0.0	0.1	-0.0	0.0	0.0	0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	492.4	0.4	9.8	0.3	7.6	0.0	492.4	-0.5	-15.1	0.3	7.6	0.0
				Viento +X exc.+	-3.7	21.0	-0.5	13.9	-0.7	-0.0	-3.7	-24.1	1.8	13.9	-0.7	-0.0
				Viento +X exc.-	-1.3	20.7	0.8	13.7	0.2	0.0	-1.3	-23.7	0.2	13.7	0.2	0.0
				Viento -X exc.+	3.7	-21.0	0.5	-13.9	0.7	0.0	3.7	24.1	-1.8	-13.9	0.7	0.0
				Viento -X exc.-	1.3	-20.7	-0.8	-13.7	-0.2	0.0	1.3	23.7	-0.2	-13.7	-0.2	0.0
				Viento +Y exc.+	125.2	-5.4	67.7	-3.9	43.7	0.2	125.2	7.1	-74.1	-3.9	43.7	0.2
				Viento +Y exc.-	83.5	-0.7	43.8	-0.6	28.1	0.0	83.5	1.3	-47.4	-0.6	28.1	0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -Y exc.+	-125.2	5.4	-67.7	3.9	-43.7	-0.2	-125.2	-7.1	74.1	3.9	-43.7	-0.2
				Viento -Y exc.-	-83.5	0.7	-43.8	0.6	-28.1	-0.0	-83.5	-1.3	47.4	0.6	-28.1	-0.0
				Peso propio	1405.0	4.3	29.1	1.8	14.4	-0.0	1382.5	-1.7	-17.7	1.8	14.4	-0.0
				Cargas muertas	1017.5	1.9	1.8	1.1	-5.9	-0.0	1017.5	-1.5	20.9	1.1	-5.9	-0.0
				H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	567.0	0.8	12.1	0.3	5.7	0.0	567.0	-0.3	-6.5	0.3	5.7	0.0
				Viento +X exc.+	-5.8	25.0	1.5	16.6	-0.7	-0.0	-5.8	-28.9	3.9	16.6	-0.7	-0.0
				Viento +X exc.-	-2.4	24.8	3.0	16.4	0.3	-0.0	-2.4	-28.4	2.2	16.4	0.3	-0.0
				Viento -X exc.+	5.8	-25.0	-1.5	-16.6	0.7	0.0	5.8	28.9	-3.9	-16.6	0.7	0.0
				Viento -X exc.-	2.4	-24.8	-3.0	-16.4	-0.3	0.0	2.4	28.4	-2.2	-16.4	-0.3	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +Y exc.+	173.0	-5.0	79.5	-4.7	49.0	0.3	173.0	10.3	-79.6	-4.7	49.0	0.3
				Viento +Y exc.-	114.1	-0.1	50.3	-0.7	31.1	0.1	114.1	2.2	-50.7	-0.7	31.1	0.1
				Viento -Y exc.+	-173.0	5.0	-79.5	4.7	-49.0	-0.3	-173.0	-10.3	79.6	4.7	-49.0	-0.3
				Viento -Y exc.-	-114.1	0.1	-50.3	0.7	-31.1	-0.1	-114.1	-2.2	50.7	0.7	-31.1	-0.1
				Peso propio	1682.6	2.2	33.1	0.9	14.8	0.0	1647.9	-2.5	-40.9	0.9	14.8	0.0
				Cargas muertas	1142.2	2.8	-28.6	0.9	-6.1	0.0	1142.2	-1.9	1.8	0.9	-6.1	0.0
				H 1	0.2	0.0	1.8	-0.0	0.5	0.0	0.2	0.0	-0.5	-0.0	0.5	0.0
				Sobrecarga de uso	648.4	0.3	11.0	0.2	4.7	0.0	648.4	-0.6	-12.5	0.2	4.7	0.0
				Viento +X exc.+	-10.5	34.7	-11.0	13.3	-4.7	-0.1	-10.5	-31.8	12.5	13.3	-4.7	-0.1
				Viento +X exc.-	-6.1	33.9	-8.8	13.0	-3.9	-0.0	-6.1	-30.9	10.6	13.0	-3.9	-0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento -X exc.+	10.5	-34.7	11.0	-13.3	4.7	0.1	10.5	31.8	-12.5	-13.3	4.7	0.1
				Viento -X exc.-	6.1	-33.9	8.8	-13.0	3.9	0.0	6.1	30.9	-10.6	-13.0	3.9	0.0
				Viento +Y exc.+	219.0	-18.8	95.3	-7.7	34.0	0.3	219.0	19.8	-74.7	-7.7	34.0	0.3
				Viento +Y exc.-	143.5	-5.9	61.8	-2.5	22.1	0.1	143.5	6.7	-48.8	-2.5	22.1	0.1
				Viento -Y exc.+	-219.0	18.8	-95.3	7.7	-34.0	-0.3	-219.0	-19.8	74.7	7.7	-34.0	-0.3
				Viento -Y exc.-	-143.5	5.9	-61.8	2.5	-22.1	-0.1	-143.5	-6.7	48.8	2.5	-22.1	-0.1
				Peso propio	1948.9	0.0	41.4	0.1	15.1	0.0	1914.3	-0.5	-34.0	0.1	15.1	0.0
				Cargas muertas	1427.9	0.9	-3.3	0.6	-7.0	0.0	1427.9	-2.0	31.6	0.6	-7.0	0.0
				H 1	-0.0	-0.2	-9.1	-0.1	-2.4	0.0	-0.0	0.2	2.7	-0.1	-2.4	0.0
				Sobrecarga de uso	728.1	-0.3	14.1	-0.1	5.3	0.0	728.1	0.3	-12.3	-0.1	5.3	0.0
				Viento +X exc.+	-17.0	39.8	-10.9	11.7	-3.1	-0.0	-17.0	-18.9	4.5	11.7	-3.1	-0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +X exc.-	-11.6	38.8	-8.5	11.4	-2.4	-0.0	-11.6	-18.4	3.5	11.4	-2.4	-0.0
				Viento -X exc.+	17.0	-39.8	10.9	-11.7	3.1	0.0	17.0	18.9	-4.5	-11.7	3.1	0.0
				Viento -X exc.-	11.6	-38.8	8.5	-11.4	2.4	0.0	11.6	18.4	-3.5	-11.4	2.4	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x60	-3.60/-0.45	Viento +Y exc.+	259.7	-19.8	97.3	-5.7	27.0	0.2	259.7	8.8	-37.9	-5.7	27.0	0.2
				Viento +Y exc.-	169.6	-5.6	62.9	-1.6	17.5	0.0	169.6	2.2	-24.6	-1.6	17.5	0.0
				Viento -Y exc.+	-259.7	19.8	-97.3	5.7	-27.0	-0.2	-259.7	-8.8	37.9	5.7	-27.0	-0.2
				Viento -Y exc.-	-169.6	5.6	-62.9	1.6	-17.5	-0.0	-169.6	-2.2	24.6	1.6	-17.5	-0.0
				Peso propio	503.6	-0.1	37.2	-0.1	39.8	-0.0	1308.0	-0.7	-41.2	-2.8	32.0	0.2
				Cargas muertas	349.8	-0.2	26.3	-0.6	28.5	-0.0	958.0	-0.0	-36.4	-3.3	32.6	0.1
				H 1	70.2	-0.3	-40.1	-1.2	-50.0	-0.1	-31.9	-0.0	5.5	-0.6	23.2	0.0
				Sobrecarga de uso	176.4	-0.0	13.8	-0.1	14.8	-0.0	486.4	-0.2	-15.5	-1.2	12.2	0.1
				Viento +X exc.+	-8.3	1.0	1.7	4.5	1.5	-0.0	-3.4	9.4	-5.3	-18.4	3.5	0.1
				Viento +X exc.-	-6.1	0.9	1.3	4.4	1.2	-0.0	-1.8	9.1	-4.1	-18.0	2.8	0.1
				Viento -X exc.+	8.3	-1.0	-1.7	-4.5	-1.5	0.0	3.4	-9.4	5.3	18.4	-3.5	-0.1
				Viento -X exc.-	6.1	-0.9	-1.3	-4.4	-1.2	0.0	1.8	-9.1	4.1	18.0	-2.8	-0.1
				Viento +Y exc.+	88.3	0.6	-10.6	2.8	-10.8	0.0	90.4	-5.1	44.3	12.8	-28.7	-0.0
				Viento +Y exc.-	52.9	1.1	-5.6	4.9	-6.5	-0.0	59.2	-1.7	28.4	6.7	-18.1	0.0
				Viento -Y exc.+	-88.3	-0.6	10.6	-2.8	10.8	-0.0	-90.4	5.1	-44.3	-12.8	28.7	0.0
				Viento -Y exc.-	-52.9	-1.1	5.6	-4.9	6.5	0.0	-59.2	1.7	-28.4	-6.7	18.1	-0.0
P16	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	155.8	29.7	25.2	16.8	13.7	0.0	143.1	-24.8	-19.4	16.8	13.7	0.0
				Cargas muertas	172.2	6.0	4.3	2.6	2.0	0.0	172.2	-2.6	-2.3	2.6	2.0	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	122.2	17.1	13.5	11.5	8.6	0.0	122.2	-20.4	-14.6	11.5	8.6	0.0
				Viento +X exc.+	0.6	3.0	-0.5	1.9	-0.2	-0.0	0.6	-3.0	0.3	1.9	-0.2	-0.0
				Viento +X exc.-	0.6	3.0	-0.2	1.8	-0.1	0.0	0.6	-2.9	0.0	1.8	-0.1	0.0
				Viento -X exc.+	-0.6	-3.0	0.5	-1.9	0.2	0.0	-0.6	3.0	-0.3	-1.9	0.2	0.0
				Viento -X exc.-	-0.6	-3.0	0.2	-1.8	0.1	0.0	-0.6	2.9	-0.0	-1.8	0.1	0.0
				Viento +Y exc.+	4.1	0.1	14.5	0.0	8.5	0.0	4.1	0.0	-13.2	0.0	8.5	0.0
				Viento +Y exc.-	3.0	1.1	9.9	0.6	5.8	-0.0	3.0	-0.8	-8.8	0.6	5.8	-0.0
				Viento -Y exc.+	-4.1	-0.1	-14.5	-0.0	-8.5	-0.0	-4.1	-0.0	13.2	-0.0	-8.5	-0.0
				Viento -Y exc.-	-3.0	-1.1	-9.9	-0.6	-5.8	0.0	-3.0	0.8	8.8	-0.6	-5.8	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	316.4	41.6	32.5	25.9	20.2	-0.0	300.2	-42.6	-33.1	25.9	20.2	-0.0
				Cargas muertas	326.6	14.1	10.2	8.8	6.3	0.0	326.6	-14.5	-10.2	8.8	6.3	0.0
				H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	172.8	13.5	10.6	7.6	5.9	-0.0	172.8	-11.0	-8.7	7.6	5.9	-0.0
				Viento +X exc.+	3.1	5.0	-0.2	4.0	-0.2	-0.0	3.1	-8.1	0.3	4.0	-0.2	-0.0
				Viento +X exc.-	3.5	4.9	0.3	4.0	0.2	0.0	3.5	-8.0	-0.5	4.0	0.2	0.0
				Viento -X exc.+	-3.1	-5.0	0.2	-4.0	0.2	0.0	-3.1	8.1	-0.3	-4.0	0.2	0.0
				Viento -X exc.-	-3.5	-4.9	-0.3	-4.0	-0.2	0.0	-3.5	8.0	0.5	-4.0	-0.2	0.0
				Viento +Y exc.+	19.8	0.2	24.0	-0.3	18.9	0.0	19.8	1.2	-37.4	-0.3	18.9	0.0
				Viento +Y exc.-	13.8	1.4	15.8	0.7	12.2	-0.0	13.8	-0.8	-23.9	0.7	12.2	-0.0
				Viento -Y exc.+	-19.8	-0.2	-24.0	0.3	-18.9	-0.0	-19.8	-1.2	37.4	0.3	-18.9	-0.0
				Viento -Y exc.-	-13.8	-1.4	-15.8	-0.7	-12.2	0.0	-13.8	0.8	23.9	-0.7	-12.2	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	477.0	33.5	27.0	21.7	17.7	0.0	460.9	-37.1	-30.4	21.7	17.7	0.0
				Cargas muertas	481.0	9.9	7.0	6.7	5.0	0.0	481.0	-11.8	-9.3	6.7	5.0	0.0
				H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	222.3	12.5	9.8	8.4	6.6	0.0	222.3	-14.6	-11.6	8.4	6.6	0.0
				Viento +X exc.+	6.9	7.4	-0.5	5.6	-0.4	-0.0	6.9	-10.9	0.6	5.6	-0.4	-0.0
				Viento +X exc.-	7.7	7.3	0.2	5.5	0.2	0.0	7.7	-10.7	-0.4	5.5	0.2	0.0
				Viento -X exc.+	-6.9	-7.4	0.5	-5.6	0.4	0.0	-6.9	10.9	-0.6	-5.6	0.4	0.0
				Viento -X exc.-	-7.7	-7.3	-0.2	-5.5	-0.2	0.0	-7.7	10.7	0.4	-5.5	-0.2	0.0
				Viento +Y exc.+	41.9	-1.6	35.5	-1.4	26.4	0.1	41.9	2.8	-50.4	-1.4	26.4	0.1
				Viento +Y exc.-	28.6	0.3	22.7	0.0	16.7	-0.0	28.6	0.2	-31.5	0.0	16.7	-0.0
				Viento -Y exc.+	-41.9	1.6	-35.5	1.4	-26.4	-0.1	-41.9	-2.8	50.4	1.4	-26.4	-0.1
				Viento -Y exc.-	-28.6	-0.3	-22.7	-0.0	-16.7	0.0	-28.6	-0.2	31.5	-0.0	-16.7	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	643.2	25.1	15.4	18.5	12.7	0.0	623.3	-35.1	-25.8	18.5	12.7	0.0
				Cargas muertas	636.6	-2.0	-4.7	0.9	-0.8	0.0	636.6	-4.9	-2.0	0.9	-0.8	0.0
				H 1	-0.2	-0.0	-0.0	-0.0	-0.0	0.0	-0.2	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	272.5	8.4	4.7	6.2	4.0	0.0	272.5	-11.9	-8.4	6.2	4.0	0.0
				Viento +X exc.+	12.0	8.6	-0.3	6.9	-0.3	-0.0	12.0	-13.8	0.7	6.9	-0.3	-0.0
				Viento +X exc.-	13.3	8.5	0.6	6.8	0.4	0.0	13.3	-13.6	-0.6	6.8	0.4	0.0
				Viento -X exc.+	-12.0	-8.6	0.3	-6.9	0.3	0.0	-12.0	13.8	-0.7	-6.9	0.3	0.0
				Viento -X exc.-	-13.3	-8.5	-0.6	-6.8	-0.4	-0.0	-13.3	13.6	0.6	-6.8	-0.4	-0.0
				Viento +Y exc.+	69.7	-3.4	41.5	-2.4	31.4	0.2	69.7	4.4	-60.6	-2.4	31.4	0.2
				Viento +Y exc.-	46.8	-0.7	26.0	-0.5	19.5	0.0	46.8	0.8	-37.4	-0.5	19.5	0.0
				Viento -Y exc.+	-69.7	3.4	-41.5	2.4	-31.4	-0.2	-69.7	-4.4	60.6	2.4	-31.4	-0.2
				Viento -Y exc.-	-46.8	0.7	-26.0	0.5	-19.5	-0.0	-46.8	-0.8	37.4	0.5	-19.5	-0.0
	P. cuarta +17.90	Diámetro 60	14.20/17.45	Peso propio	814.5	30.8	31.4	16.3	14.9	0.0	792.0	-22.2	-17.0	16.3	14.9	0.0
				Cargas muertas	794.0	3.9	5.3	-0.4	-0.8	0.0	794.0	5.1	7.8	-0.4	-0.8	0.0
				H 1	-0.2	0.0	-0.1	0.0	-0.0	0.0	-0.2	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	323.4	10.8	10.1	5.6	4.7	0.0	323.4	-7.3	-5.3	5.6	4.7	0.0
				Viento +X exc.+	18.0	12.8	-0.3	8.9	-0.8	-0.0	18.0	-16.2	2.1	8.9	-0.8	-0.0
				Viento +X exc.-	20.1	12.7	1.1	8.8	0.2	0.0	20.1	-15.9	0.5	8.8	0.2	0.0
				Viento -X exc.+	-18.0	-12.8	0.3	-8.9	0.8	0.0	-18.0	16.2	-2.1	-8.9	0.8	0.0
				Viento -X exc.-	-20.1	-12.7	-1.1	-8.8	-0.2	0.0	-20.1	15.9	-0.5	-8.8	-0.2	0.0
				Viento +Y exc.+	105.6	-4.1	67.5	-3.6	43.2	0.3	105.6	7.6	-72.8	-3.6	43.2	0.3
				Viento +Y exc.-	69.9	-0.9	42.0	-1.1	26.6	0.0	69.9	2.6	-44.6	-1.1	26.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento -Y exc.+	-105.6	4.1	-67.5	3.6	-43.2	-0.3	-105.6	-7.6	72.8	3.6	-43.2	-0.3
				Viento -Y exc.-	-69.9	0.9	-42.0	1.1	-26.6	-0.0	-69.9	-2.6	44.6	1.1	-26.6	-0.0
				Peso propio	982.0	44.3	24.5	26.7	16.4	-0.0	959.4	-42.4	-28.8	26.7	16.4	-0.0
				Cargas muertas	948.2	17.3	6.3	10.3	4.0	-0.0	948.2	-16.0	-6.5	10.3	4.0	-0.0
				H 1	-0.3	-0.1	-0.0	-0.0	-0.0	0.0	-0.3	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	372.8	16.9	10.6	10.0	6.9	0.0	372.8	-15.6	-11.9	10.0	6.9	0.0
				Viento +X exc.+	24.6	13.5	2.8	9.4	-0.2	-0.0	24.6	-16.9	3.5	9.4	-0.2	-0.0
				Viento +X exc.-	27.5	13.4	4.4	9.2	0.8	-0.0	27.5	-16.6	1.8	9.2	0.8	-0.0
				Viento -X exc.+	-24.6	-13.5	-2.8	-9.4	0.2	0.0	-24.6	16.9	-3.5	-9.4	0.2	0.0
				Viento -X exc.-	-27.5	-13.4	-4.4	-9.2	-0.8	0.0	-27.5	16.6	-1.8	-9.2	-0.8	0.0
				Viento +Y exc.+	148.1	-0.0	77.9	-1.8	46.5	0.3	148.1	5.8	-73.2	-1.8	46.5	0.3
				Viento +Y exc.-	97.1	1.4	46.9	0.2	28.2	0.1	97.1	0.9	-44.7	0.2	28.2	0.1
				Viento -Y exc.+	-148.1	0.0	-77.9	1.8	-46.5	-0.3	-148.1	-5.8	73.2	1.8	-46.5	-0.3
				Viento -Y exc.-	-97.1	-1.4	-46.9	-0.2	-28.2	-0.1	-97.1	-0.9	44.7	-0.2	-28.2	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1198.3	29.5	23.7	11.7	10.6	0.0	1163.6	-28.9	-29.5	11.7	10.6	0.0
				Cargas muertas	1052.5	11.0	-5.8	4.5	-0.8	0.0	1052.5	-11.5	-2.0	4.5	-0.8	0.0
				H 1	-0.3	0.2	0.1	0.0	0.0	0.0	-0.3	-0.0	0.1	0.0	0.0	0.0
				Sobrecarga de uso	429.8	12.7	7.1	5.0	2.9	0.0	429.8	-12.3	-7.5	5.0	2.9	0.0
				Viento +X exc.+	30.1	22.1	-9.8	8.8	-4.4	-0.1	30.1	-21.9	12.2	8.8	-4.4	-0.1
				Viento +X exc.-	33.9	21.6	-7.6	8.6	-3.6	-0.0	33.9	-21.3	10.2	8.6	-3.6	-0.0
				Viento -X exc.+	-30.1	-22.1	9.8	-8.8	4.4	0.1	-30.1	21.9	-12.2	-8.8	4.4	0.1
				Viento -X exc.-	-33.9	-21.6	7.6	-8.6	3.6	0.0	-33.9	21.3	-10.2	-8.6	3.6	0.0
				Viento +Y exc.+	190.3	-12.4	90.4	-5.5	33.0	0.3	190.3	14.9	-74.8	-5.5	33.0	0.3
				Viento +Y exc.-	124.6	-4.0	56.9	-1.8	20.9	0.1	124.6	5.1	-47.8	-1.8	20.9	0.1
				Viento -Y exc.+	-190.3	12.4	-90.4	5.5	-33.0	-0.3	-190.3	-14.9	74.8	5.5	-33.0	-0.3
				Viento -Y exc.-	-124.6	4.0	-56.9	1.8	-20.9	-0.1	-124.6	-5.1	47.8	1.8	-20.9	-0.1
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	1416.1	19.1	33.8	10.7	13.5	0.0	1371.9	-34.6	-33.7	10.7	13.5	0.0
				Cargas muertas	1340.6	7.3	-0.9	3.9	-2.6	0.0	1340.6	-12.0	12.3	3.9	-2.6	0.0
				H 1	-0.4	-0.7	-1.1	-0.2	-0.3	0.0	-0.4	0.2	0.2	-0.2	-0.3	0.0
				Sobrecarga de uso	487.0	8.2	10.3	4.7	4.5	0.0	487.0	-15.1	-12.0	4.7	4.5	0.0
				Viento +X exc.+	33.9	56.9	-20.2	13.9	-5.1	-0.1	33.9	-12.9	5.5	13.9	-5.1	-0.1
				Viento +X exc.-	38.6	55.4	-15.6	13.6	-3.9	-0.0	38.6	-12.5	4.1	13.6	-3.9	-0.0
				Viento -X exc.+	-33.9	-56.9	20.2	-13.9	5.1	0.1	-33.9	12.9	-5.5	-13.9	5.1	0.1
				Viento -X exc.-	-38.6	-55.4	15.6	-13.6	3.9	0.0	-38.6	12.5	-4.1	-13.6	3.9	0.0
				Viento +Y exc.+	229.7	-28.7	173.5	-6.8	44.8	0.2	229.7	5.5	-50.4	-6.8	44.8	0.2
				Viento +Y exc.-	150.9	-8.4	108.5	-1.9	28.0	0.1	150.9	1.1	-31.6	-1.9	28.0	0.1
				Viento -Y exc.+	-229.7	28.7	-173.5	6.8	-44.8	-0.2	-229.7	-5.5	50.4	6.8	-44.8	-0.2
				Viento -Y exc.-	-150.9	8.4	-108.5	1.9	-28.0	-0.1	-150.9	-1.1	31.6	1.9	-28.0	-0.1
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	329.2	0.7	1.5	3.4	4.7	0.1	954.2	0.7	13.2	24.9	-40.2	0.0
				Cargas muertas	277.1	0.3	0.1	2.8	0.6	0.0	895.9	-1.7	3.1	34.9	-12.4	0.2
				H 1	-6.8	-2.2	-2.6	-5.3	-7.7	-0.4	0.7	0.4	2.3	-2.8	3.9	0.4
				Sobrecarga de uso	101.2	0.2	0.3	1.3	1.0	0.0	326.3	0.5	4.2	7.3	-13.1	0.0
				Viento +X exc.+	3.8	0.9	0.1	3.9	0.3	-0.0	5.6	11.7	-4.3	-38.7	13.4	0.6
				Viento +X exc.-	5.1	0.9	0.1	3.8	0.2	-0.0	10.4	11.5	-2.9	-38.0	9.7	0.6
				Viento -X exc.+	-3.8	-0.9	-0.1	-3.9	-0.3	0.0	-5.6	-11.7	4.3	38.7	-13.4	-0.6
				Viento -X exc.-	-5.1	-0.9	-0.1	-3.8	-0.2	0.0	-10.4	-11.5	2.9	38.0	-9.7	-0.6
				Viento +Y exc.+	113.3	1.3	5.8	0.2	16.6	0.3	217.4	0.5	53.5	6.8	-122.7	-2.8
				Viento +Y exc.-	93.4	1.6	6.1	1.5	17.1	0.2	141.7	2.7	34.4	-3.3	-70.5	-1.7
				Viento -Y exc.+	-113.3	-1.3	-5.8	-0.2	-16.6	-0.3	-217.4	-0.5	-53.5	-6.8	122.7	2.8
				Viento -Y exc.-	-93.4	-1.6	-6.1	-1.5	-17.1	-0.2	-141.7	-2.7	-34.4	3.3	70.5	1.7
P17	P. cubierta +32.30	Diámetro 40	28.60/31.85	Peso propio	230.7	-22.9	0.0	-12.0	-0.1	0.0	220.7	16.1	0.5	-12.0	-0.1	0.0
				Cargas muertas	160.2	5.8	-0.2	3.3	-0.1	0.0	160.2	-5.1	-0.1	3.3	-0.1	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	189.1	-12.9	-0.0	-8.2	-0.3	0.0	189.1	13.8	1.1	-8.2	-0.3	0.0
				Viento +X exc.+	-1.3	3.0	0.5	1.6	0.2	-0.0	-1.3	-2.3	-0.3	1.6	0.2	-0.0
				Viento +X exc.-	-1.3	2.9	0.1	1.6	0.0	0.0	-1.3	-2.3	-0.0	1.6	0.0	0.0
				Viento -X exc.+	1.3	-3.0	-0.5	-1.6	-0.2	0.0	1.3	2.3	0.3	-1.6	-0.2	0.0
				Viento -X exc.-	1.3	-2.9	-0.1	-1.6	-0.0	0.0	1.3	2.3	0.0	-1.6	-0.0	0.0
				Viento +Y exc.+	-0.3	-0.2	14.9	-0.1	7.2	0.0	-0.3	0.2	-8.5	-0.1	7.2	0.0
				Viento +Y exc.-	-0.2	0.1	21.8	0.0	10.6	-0.0	-0.2	-0.0	-12.7	0.0	10.6	-0.0
				Viento -Y exc.+	0.3	0.2	-14.9	0.1	-7.2	-0.0	0.3	-0.2	8.5	0.1	-7.2	-0.0
				Viento -Y exc.-	0.2	-0.1	-21.8	-0.0	-10.6	0.0	0.2	0.0	12.7	-0.0	-10.6	0.0
	P. séptima +28.70	Diámetro 45	25.00/28.25	Peso propio	445.5	-38.8	1.4	-24.1	0.9	-0.0	432.9	39.5	-1.6	-24.1	0.9	-0.0
				Cargas muertas	306.0	5.5	-0.7	3.8	-0.5	0.0	306.0	-6.7	0.8	3.8	-0.5	0.0
				H 1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	256.8	-13.7	1.8	-7.9	1.2	0.0	256.8	12.1	-2.2	-7.9	1.2	0.0
				Viento +X exc.+	-4.2	6.2	0.9	4.3	0.6	-0.0	-4.2	-7.9	-0.9	4.3	0.6	-0.0
				Viento +X exc.-	-4.2	6.2	-0.0	4.3	-0.0	0.0	-4.2	-7.8	0.0	4.3	-0.0	0.0
				Viento -X exc.+	4.2	-6.2	-0.9	-4.3	-0.6	0.0	4.2	7.9	0.9	-4.3	-0.6	0.0
				Viento -X exc.-	4.2	-6.2	0.0	-4.3	0.0	0.0	4.2	7.8	-0.0	-4.3	0.0	0.0
				Viento +Y exc.+	-1.6	-0.3	26.5	-0.3	16.4	0.0	-1.6	0.5	-26.9	-0.3	16.4	0.0
				Viento +Y exc.-	-2.1	0.1	41.5	0.0	26.2	-0.0	-2.1	0.0	-43.8	0.0	26.2	-0.0
				Viento -Y exc.+	1.6	0.3	-26.5	0.3	-16.4	-0.0	1.6	-0.5	26.9	0.3	-16.4	-0.0
				Viento -Y exc.-	2.1	-0.1	-41.5	-0.0	-26.2	0.0	2.1	-0.0	43.8	-0.0	-26.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. sexta +25.10	Diámetro 45	21.40/24.65	Peso propio		661.5	-28.2	0.4	-18.9	0.3	0.0	648.8	33.1	-0.4	-18.9	0.3	0.0
				Cargas muertas	452.2	7.6	-0.9	4.1	-0.6	0.0	452.2	-5.8	1.0	4.1	-0.6	0.0
				H 1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	325.6	-10.7	0.8	-7.4	0.4	0.0	325.6	13.2	-0.6	-7.4	0.4	0.0
				Viento +X exc.+	-8.5	7.9	0.9	5.5	0.6	-0.0	-8.5	-9.9	-1.0	5.5	0.6	-0.0
				Viento +X exc.-	-8.4	7.8	-0.0	5.4	-0.0	0.0	-8.4	-9.9	0.0	5.4	-0.0	0.0
				Viento -X exc.+	8.5	-7.9	-0.9	-5.5	-0.6	0.0	8.5	9.9	1.0	-5.5	-0.6	0.0
				Viento -X exc.-	8.4	-7.8	0.0	-5.4	0.0	0.0	8.4	9.9	-0.0	-5.4	0.0	0.0
				Viento +Y exc.+	-2.3	-0.7	18.5	-0.5	11.3	0.1	-2.3	1.0	-18.1	-0.5	11.3	0.1
				Viento +Y exc.-	-3.8	-0.2	34.8	-0.1	21.9	-0.0	-3.8	0.3	-36.4	-0.1	21.9	-0.0
				Viento -Y exc.+	2.3	0.7	-18.5	0.5	-11.3	-0.1	2.3	-1.0	18.1	0.5	-11.3	-0.1
				Viento -Y exc.-	3.8	0.2	-34.8	0.1	-21.9	0.0	3.8	-0.3	36.4	0.1	-21.9	0.0
P. quinta +21.50	Diámetro 50	17.80/21.05	Peso propio		882.9	-36.1	1.2	-21.7	0.5	0.0	867.2	34.5	-0.6	-21.7	0.5	0.0
				Cargas muertas	599.8	8.6	-0.7	6.3	-0.6	0.0	599.8	-11.9	1.2	6.3	-0.6	0.0
				H 1	0.2	-0.0	-0.0	-0.0	-0.0	0.0	0.2	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	395.3	-13.6	1.1	-8.0	0.6	0.0	395.3	12.5	-0.9	-8.0	0.6	0.0
				Viento +X exc.+	-14.5	11.7	1.2	7.9	0.8	-0.0	-14.5	-14.0	-1.5	7.9	0.8	-0.0
				Viento +X exc.-	-14.4	11.6	-0.1	7.9	-0.1	0.0	-14.4	-14.0	0.0	7.9	-0.1	0.0
				Viento -X exc.+	14.5	-11.7	-1.2	-7.9	-0.8	0.0	14.5	14.0	1.5	-7.9	-0.8	0.0
				Viento -X exc.-	14.4	-11.6	0.1	-7.9	0.1	-0.0	14.4	14.0	-0.0	-7.9	0.1	-0.0
				Viento +Y exc.+	-2.7	-0.9	23.0	-0.7	14.0	0.1	-2.7	1.3	-22.5	-0.7	14.0	0.1
				Viento +Y exc.-	-5.4	-0.2	46.9	-0.2	29.4	0.0	-5.4	0.4	-48.7	-0.2	29.4	0.0
				Viento -Y exc.+	2.7	0.9	-23.0	0.7	-14.0	-0.1	2.7	-1.3	22.5	0.7	-14.0	-0.1
				Viento -Y exc.-	5.4	0.2	-46.9	0.2	-29.4	-0.0	5.4	-0.4	48.7	0.2	-29.4	-0.0
P. cuarta +17.90	Diámetro 50	14.20/17.45	Peso propio		1102.2	-37.0	-0.2	-23.0	0.2	0.0	1086.6	37.9	-0.9	-23.0	0.2	0.0
				Cargas muertas	745.5	8.6	-1.2	4.6	-0.5	0.0	745.5	-6.3	0.5	4.6	-0.5	0.0
				H 1	0.3	-0.1	-0.0	-0.0	-0.0	0.0	0.3	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	464.2	-14.2	0.4	-8.9	0.3	0.0	464.2	14.8	-0.6	-8.9	0.3	0.0
				Viento +X exc.+	-21.8	14.0	1.5	9.0	1.1	-0.0	-21.8	-15.3	-2.0	9.0	1.1	-0.0
				Viento +X exc.-	-21.6	14.0	0.0	9.0	0.1	0.0	-21.6	-15.3	-0.4	9.0	0.1	0.0
				Viento -X exc.+	21.8	-14.0	-1.5	-9.0	-1.1	0.0	21.8	15.3	2.0	-9.0	-1.1	0.0
				Viento -X exc.-	21.6	-14.0	-0.0	-9.0	-0.1	0.0	21.6	15.3	0.4	-9.0	-0.1	0.0
				Viento +Y exc.+	-2.8	-1.2	18.6	-0.9	10.9	0.1	-2.8	1.9	-16.9	-0.9	10.9	0.1
				Viento +Y exc.-	-7.4	-0.4	45.0	-0.3	27.3	0.0	-7.4	0.6	-43.6	-0.3	27.3	0.0
				Viento -Y exc.+	2.8	1.2	-18.6	0.9	-10.9	-0.1	2.8	-1.9	16.9	0.9	-10.9	-0.1
				Viento -Y exc.-	7.4	0.4	-45.0	0.3	-27.3	-0.0	7.4	-0.6	43.6	0.3	-27.3	-0.0
P. tercera +14.30	Diámetro 50	10.60/13.85	Peso propio		1323.7	-42.5	4.5	-25.2	2.1	-0.0	1308.0	39.4	-2.4	-25.2	2.1	-0.0
				Cargas muertas	893.7	-9.2	1.2	-2.5	0.5	-0.0	893.7	-1.2	-0.5	-2.5	0.5	-0.0
				H 1	0.3	0.3	-0.0	0.1	-0.0	0.0	0.3	-0.1	0.0	0.1	-0.0	0.0
				Sobrecarga de uso	534.4	-17.1	1.2	-10.0	0.6	0.0	534.4	15.4	-0.7	-10.0	0.6	0.0
				Viento +X exc.+	-30.2	16.3	2.8	10.2	1.9	-0.0	-30.2	-16.9	-3.5	10.2	1.9	-0.0
				Viento +X exc.-	-29.8	16.3	1.0	10.2	0.9	-0.0	-29.8	-16.8	-1.8	10.2	0.9	-0.0
				Viento -X exc.+	30.2	-16.3	-2.8	-10.2	-1.9	0.0	30.2	16.9	3.5	-10.2	-1.9	0.0
				Viento -X exc.-	29.8	-16.3	-1.0	-10.2	-0.9	0.0	29.8	16.8	1.8	-10.2	-0.9	0.0
				Viento +Y exc.+	-2.8	-0.9	21.4	-1.3	12.0	0.1	-2.8	3.2	-17.5	-1.3	12.0	0.1
				Viento +Y exc.-	-10.0	0.1	52.7	-0.2	30.4	0.0	-10.0	0.8	-46.0	-0.2	30.4	0.0
				Viento -Y exc.+	2.8	0.9	-21.4	1.3	-12.0	-0.1	2.8	-3.2	17.5	1.3	-12.0	-0.1
				Viento -Y exc.-	10.0	-0.1	-52.7	0.2	-30.4	-0.0	10.0	-0.8	46.0	0.2	-30.4	-0.0
P. segunda +10.70	Diámetro 50	5.25/10.25	Peso propio		1576.7	-10.3	-0.4	-6.1	-0.0	0.0	1552.6	20.3	-0.3	-6.1	-0.0	0.0
				Cargas muertas	1000.8	17.7	1.1	3.8	0.2	0.0	1000.8	-1.5	-0.1	3.8	0.2	0.0
				H 1	0.4	-1.3	-0.0	-0.4	-0.0	0.0	0.4	0.5	0.0	-0.4	-0.0	0.0
				Sobrecarga de uso	605.7	-4.7	0.2	-2.7	0.1	0.0	605.7	8.6	-0.3	-2.7	0.1	0.0
				Viento +X exc.+	-39.2	16.1	5.1	6.5	2.2	-0.0	-39.2	-16.5	-5.8	6.5	2.2	-0.0
				Viento +X exc.-	-38.6	15.9	3.8	6.4	1.7	-0.0	-38.6	-16.2	-4.5	6.4	1.7	-0.0
				Viento -X exc.+	39.2	-16.1	-5.1	-6.5	-2.2	0.0	39.2	16.5	5.8	-6.5	-2.2	0.0
				Viento -X exc.-	38.6	-15.9	-3.8	-6.4	-1.7	0.0	38.6	16.2	4.5	-6.4	-1.7	0.0
				Viento +Y exc.+	-1.1	-6.3	5.3	-2.7	1.9	0.1	-1.1	7.4	-4.3	-2.7	1.9	0.1
				Viento +Y exc.-	-11.8	-2.1	25.5	-0.9	9.9	0.0	-11.8	2.3	-24.0	-0.9	9.9	0.0
				Viento -Y exc.+	1.1	6.3	-5.3	2.7	-1.9	-0.1	1.1	-7.4	4.3	2.7	-1.9	-0.1
				Viento -Y exc.-	11.8	2.1	-25.5	0.9	-9.9	-0.0	11.8	-2.3	24.0	0.9	-9.9	-0.0
P. primera +5.35	60x60	-0.10/4.90	Peso propio		1864.1	-35.7	1.1	-10.2	-0.2	0.0	1820.0	15.2	1.9	-10.2	-0.2	0.0
				Cargas muertas	1233.1	18.2	2.7	18.3	1.6	0.0	1233.1	-73.4	-5.5	18.3	1.6	0.0
				H 1	0.2	14.0	-0.1	3.3	-0.0	0.0	0.2	-2.6	0.1	3.3	-0.0	0.0
				Sobrecarga de uso	681.8	-13.8	0.9	-4.2	0.3	0.0	681.8	7.1	-0.5	-4.2	0.3	0.0
				Viento +X exc.+	-50.2	51.7	15.8	14.3	5.0	-0.1	-50.2	-19.9	-8.9	14.3	5.0	-0.1
				Viento +X exc.-	-49.3	50.8	12.0	14.1	3.8	-0.0	-49.3	-19.6	-6.8	14.1	3.8	-0.0
				Viento -X exc.+	50.2	-51.7	-15.8	-14.3	-5.0	0.1	50.2	19.9	8.9	-14.3	-5.0	0.1
				Viento -X exc.-	49.3	-50.8	-12.0	-14.1	-3.8	0.0	49.3	19.6	6.8	-14.1	-3.8	0.0
				Viento +Y exc.+	2.7	-19.5	22.4	-5.5	7.3	0.2	2.7	7.9	-14.1	-5.5	7.3	0.2
				Viento +Y exc.-	-12.1	-5.9	77.4	-1.8	24.4	0.1	-12.1	2.9	-44.4	-1.8	24.4	0.1
				Viento -Y exc.+	-2.7	19.5	-22.4	5.5	-7.3	-0.2	-2.7	-7.9	14.1	5.5	-7.3	-0.2
				Viento -Y exc.-	12.1	5.9	-77.4	1.8	-24.4	-0.1	12.1	-2.9	44.4	1.8	-24.4	-0.1
P. Baja +0.00	60x60	-3.60/-0.45	Peso propio		475.3	-44.5	2.3	-47.0	10.7	-0.1	1397.8	45.2	1.5	-30.9	23.3	0.5
				Cargas muertas	292.8	-30.9	0.5	-32.2	2.3	-0.0	929.9	41.7	1.1	-38.3	9.4	0.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	75.8	42.9	-0.1	54.5	-0.1	-0.0	-24.1	-3.3	-0.2	-31.1	1.0	0.0
				Sobrecarga de uso	162.5	-16.0	0.6	-17.0	2.8	-0.0	508.2	15.9	0.6	-10.8	6.7	0.2
				Viento +X exc.+	-32.8	-8.9	0.4	-8.1	2.0	-0.0	2.4	27.2	3.5	-23.7	-10.7	0.2
				Viento +X exc.-	-32.2	-8.7	0.3	-7.9	1.5	-0.0	2.2	26.8	2.6	-23.2	-8.3	0.2
				Viento -X exc.+	32.8	8.9	-0.4	8.1	-2.0	0.0	-2.4	-27.2	-3.5	23.7	10.7	-0.2
				Viento -X exc.-	32.2	8.7	-0.3	7.9	-1.5	0.0	-2.2	-26.8	-2.6	23.2	8.3	-0.2
				Viento +Y exc.+	9.9	3.9	11.1	3.4	50.7	0.0	-4.0	-11.2	8.5	9.2	35.9	0.1
				Viento +Y exc.-	1.0	1.6	12.7	1.3	57.9	-0.0	-1.9	-4.3	21.6	2.6	1.6	0.6
				Viento -Y exc.+	-9.9	-3.9	-11.1	-3.4	-50.7	0.0	4.0	11.2	-8.5	-9.2	-35.9	-0.1
				Viento -Y exc.-	-1.0	-1.6	-12.7	-1.3	-57.9	0.0	1.9	4.3	-21.6	-2.6	-1.6	-0.6
P18	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	353.2	14.6	-15.6	9.6	-11.3	0.0	340.4	-16.7	21.0	9.6	-11.3	0.0
				Cargas muertas	120.9	5.2	-8.6	3.0	-5.7	0.0	120.9	-4.7	9.9	3.0	-5.7	0.0
				H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	279.2	12.5	-12.9	10.6	-11.5	0.0	279.2	-22.0	24.5	10.6	-11.5	0.0
				Viento +X exc.+	-1.2	5.2	0.4	3.4	0.2	-0.0	-1.2	-5.8	-0.2	3.4	0.2	-0.0
				Viento +X exc.-	-1.3	5.2	-0.1	3.4	-0.2	0.0	-1.3	-5.8	0.4	3.4	-0.2	0.0
				Viento -X exc.+	1.2	-5.2	-0.4	-3.4	-0.2	0.0	1.2	5.8	0.2	-3.4	-0.2	0.0
				Viento -X exc.-	1.3	-5.2	0.1	-3.4	0.2	0.0	1.3	5.8	-0.4	-3.4	0.2	0.0
				Viento +Y exc.+	6.2	-0.8	25.5	-0.6	16.7	0.0	6.2	1.2	-28.7	-0.6	16.7	0.0
				Viento +Y exc.-	7.6	-0.2	35.8	-0.2	23.7	-0.0	7.6	0.4	-41.3	-0.2	23.7	-0.0
				Viento -Y exc.+	-6.2	0.8	-25.5	0.6	-16.7	-0.0	-6.2	-1.2	28.7	0.6	-16.7	-0.0
				Viento -Y exc.-	-7.6	0.2	-35.8	0.2	-23.7	0.0	-7.6	-0.4	41.3	0.2	-23.7	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	651.2	18.9	-14.5	11.8	-8.8	-0.0	635.0	-19.4	14.1	11.8	-8.8	-0.0
				Cargas muertas	236.3	8.6	-10.3	5.4	-6.4	0.0	236.3	-9.0	10.6	5.4	-6.4	0.0
				H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	375.3	5.0	-2.9	2.4	-1.0	-0.0	375.3	-2.8	0.5	2.4	-1.0	-0.0
				Viento +X exc.+	-0.4	9.6	0.8	6.8	0.5	-0.0	-0.4	-12.5	-0.9	6.8	0.5	-0.0
				Viento +X exc.-	-0.5	9.6	-0.0	6.8	-0.0	0.0	-0.5	-12.4	-0.0	6.8	-0.0	0.0
				Viento -X exc.+	0.4	-9.6	-0.8	-6.8	-0.5	0.0	0.4	12.5	0.9	-6.8	-0.5	0.0
				Viento -X exc.-	0.5	-9.6	0.0	-6.8	0.0	0.0	0.5	12.4	0.0	-6.8	0.0	0.0
				Viento +Y exc.+	2.1	-0.8	31.5	-0.6	19.1	0.0	2.1	1.2	-30.7	-0.6	19.1	0.0
				Viento +Y exc.-	2.3	-0.4	45.3	-0.3	28.2	-0.0	2.3	0.5	-46.5	-0.3	28.2	-0.0
				Viento -Y exc.+	-2.1	0.8	-31.5	0.6	-19.1	-0.0	-2.1	-1.2	30.7	0.6	-19.1	-0.0
				Viento -Y exc.-	-2.3	0.4	-45.3	0.3	-28.2	0.0	-2.3	-0.5	46.5	0.3	-28.2	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	949.5	15.6	-13.3	10.1	-8.7	0.0	933.3	-17.1	14.9	10.1	-8.7	0.0
				Cargas muertas	352.4	6.8	-8.7	4.4	-5.7	0.0	352.4	-7.5	9.8	4.4	-5.7	0.0
				H 1	-0.1	-0.0	0.0	-0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	472.6	5.7	-4.7	3.8	-3.3	0.0	472.6	-6.7	5.9	3.8	-3.3	0.0
				Viento +X exc.+	0.8	12.4	0.8	8.7	0.5	-0.0	0.8	-15.8	-0.9	8.7	0.5	-0.0
				Viento +X exc.-	0.9	12.3	-0.1	8.7	-0.1	0.0	0.9	-15.8	0.1	8.7	-0.1	0.0
				Viento -X exc.+	-0.8	-12.4	-0.8	-8.7	-0.5	0.0	-0.8	15.8	0.9	-8.7	-0.5	0.0
				Viento -X exc.-	-0.9	-12.3	0.1	-8.7	0.1	0.0	-0.9	15.8	-0.1	-8.7	0.1	0.0
				Viento +Y exc.+	-2.1	-1.5	23.9	-1.1	14.7	0.1	-2.1	1.9	-23.8	-1.1	14.7	0.1
				Viento +Y exc.-	-3.9	-0.7	39.3	-0.5	25.1	-0.0	-3.9	0.9	-42.2	-0.5	25.1	-0.0
				Viento -Y exc.+	2.1	1.5	-23.9	1.1	-14.7	-0.1	2.1	-1.9	23.8	1.1	-14.7	-0.1
				Viento -Y exc.-	3.9	0.7	-39.3	0.5	-25.1	0.0	3.9	-0.9	42.2	0.5	-25.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1248.1	19.9	-17.4	12.4	-10.8	0.0	1228.1	-20.5	17.8	12.4	-10.8	0.0
				Cargas muertas	466.1	8.7	-11.1	5.4	-6.9	0.0	466.1	-8.8	11.4	5.4	-6.9	0.0
				H 1	-0.1	-0.0	0.0	-0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	568.0	6.9	-6.0	4.2	-3.7	0.0	568.0	-6.8	6.1	4.2	-3.7	0.0
				Viento +X exc.+	2.7	18.0	0.8	12.4	0.6	-0.0	2.7	-22.2	-1.2	12.4	0.6	-0.0
				Viento +X exc.-	3.0	18.0	-0.4	12.4	-0.2	0.0	3.0	-22.2	0.2	12.4	-0.2	0.0
				Viento -X exc.+	-2.7	-18.0	-0.8	-12.4	-0.6	0.0	-2.7	22.2	1.2	-12.4	-0.6	0.0
				Viento -X exc.-	-3.0	-18.0	0.4	-12.4	0.2	-0.0	-3.0	22.2	-0.2	-12.4	0.2	-0.0
				Viento +Y exc.+	-6.4	-1.8	30.2	-1.3	18.4	0.2	-6.4	2.5	-29.7	-1.3	18.4	0.2
				Viento +Y exc.-	-11.1	-1.1	51.8	-0.7	32.7	0.0	-11.1	1.3	-54.5	-0.7	32.7	0.0
				Viento -Y exc.+	6.4	1.8	-30.2	1.3	-18.4	-0.2	6.4	-2.5	29.7	1.3	-18.4	-0.2
				Viento -Y exc.-	11.1	1.1	-51.8	0.7	-32.7	-0.0	11.1	-1.3	54.5	0.7	-32.7	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1548.4	18.1	-16.9	11.1	-10.4	0.0	1528.5	-18.1	16.9	11.1	-10.4	0.0
				Cargas muertas	581.0	6.5	-9.9	4.3	-6.2	0.0	581.0	-7.3	10.3	4.3	-6.2	0.0
				H 1	-0.1	0.0	-0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	664.4	6.3	-6.0	3.9	-3.8	0.0	664.4	-6.3	6.4	3.9	-3.8	0.0
				Viento +X exc.+	5.1	22.1	1.0	14.2	0.9	-0.0	5.1	-24.2	-1.7	14.2	0.9	-0.0
				Viento +X exc.-	5.6	22.0	-0.4	14.2	-0.0	0.0	5.6	-24.1	-0.3	14.2	-0.0	0.0
				Viento -X exc.+	-5.1	-22.1	-1.0	-14.2	-0.9	0.0	-5.1	24.2	1.7	-14.2	-0.9	0.0
				Viento -X exc.-	-5.6	-22.0	0.4	-14.2	0.0	0.0	-5.6	24.1	0.3	-14.2	0.0	0.0
				Viento +Y exc.+	-10.6	-2.3	25.9	-1.8	15.1	0.2	-10.6	3.4	-23.3	-1.8	15.1	0.2
				Viento +Y exc.-	-18.7	-1.3	50.4	-0.9	30.4	0.0	-18.7	1.7	-48.3	-0.9	30.4	0.0
				Viento -Y exc.+	10.6	2.3	-25.9	1.8	-15.1	-0.2	10.6	-3.4	23.3	1.8	-15.1	-0.2
				Viento -Y exc.-	18.7	1.3	-50.4	0.9	-30.4	-0.0	18.7	-1.7	48.3	0.9	-30.4	-0.0
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1841.2	19.9	-13.3	11.8	-8.4	-0.0	1821.3	-18.3	14.0	11.8	-8.4	-0.0
				Cargas muertas	690.6	11.0	-9.4	5.8	-5.5	-0.0	690.6	-7.8	8.3	5.8	-5.5	-0.0
				H 1	-0.1	-0.1	0.1	-0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	758.2	6.8	-5.5	4.0	-3.4	0.0	758.2	-6.3	5.6	4.0	-3.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza							
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)		
				Viento +X exc.+	7.8	24.1	1.3	15.5	1.3	-0.0	7.8	-26.2	-2.9	15.5	1.3	-0.0		
				Viento +X exc.-	8.6	24.1	-0.4	15.4	0.3	-0.0	8.6	-26.0	-1.4	15.4	0.3	-0.0		
				Viento -X exc.+	-7.8	-24.1	-1.3	-15.5	-1.3	0.0	-7.8	26.2	2.9	-15.5	-1.3	0.0		
				Viento -X exc.-	-8.6	-24.1	0.4	-15.4	-0.3	0.0	-8.6	26.0	1.4	-15.4	-0.3	0.0		
				Viento +Y exc.+	-15.9	-1.2	32.2	-2.0	17.6	0.2	-15.9	5.3	-25.2	-2.0	17.6	0.2		
				Viento +Y exc.-	-28.8	-0.8	60.9	-0.9	34.5	0.0	-28.8	2.2	-51.1	-0.9	34.5	0.0		
				Viento -Y exc.+	15.9	1.2	-32.2	2.0	-17.6	-0.2	15.9	-5.3	25.2	2.0	-17.6	-0.2		
				Viento -Y exc.-	28.8	0.8	-60.9	0.9	-34.5	-0.0	28.8	-2.2	51.1	0.9	-34.5	-0.0		
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	2149.6	12.9	-10.8	5.3	-4.5	0.0	2118.9	-13.4	11.5	5.3	-4.5	0.0		
				Cargas muertas	811.7	-0.4	-2.3	0.9	-1.7	0.0	811.7	-4.8	6.3	0.9	-1.7	0.0		
				H 1	-0.3	0.3	-0.2	0.1	-0.0	0.0	-0.3	-0.1	0.0	0.1	-0.0	0.0		
				Sobrecarga de uso	854.3	4.5	-3.8	1.9	-1.6	0.0	854.3	-4.7	4.2	1.9	-1.6	0.0		
				Viento +X exc.+	10.4	30.5	4.8	11.7	2.1	-0.0	10.4	-27.9	-5.7	11.7	2.1	-0.0		
				Viento +X exc.-	11.4	30.0	3.6	11.5	1.6	-0.0	11.4	-27.4	-4.5	11.5	1.6	-0.0		
				Viento -X exc.+	-10.4	-30.5	-4.8	-11.7	-2.1	0.0	-10.4	27.9	5.7	-11.7	-2.1	0.0		
				Viento -X exc.-	-11.4	-30.0	-3.6	-11.5	-1.6	0.0	-11.4	27.4	4.5	-11.5	-1.6	0.0		
				Viento +Y exc.+	-20.7	-11.6	10.5	-4.9	3.7	0.2	-20.7	12.7	-8.0	-4.9	3.7	0.2		
				Viento +Y exc.-	-37.8	-3.7	30.2	-1.6	11.2	0.1	-37.8	4.4	-25.7	-1.6	11.2	0.1		
				Viento -Y exc.+	20.7	11.6	-10.5	4.9	-3.7	-0.2	20.7	-12.7	8.0	4.9	-3.7	-0.2		
				Viento -Y exc.-	37.8	3.7	-30.2	1.6	-11.2	-0.1	37.8	-4.4	25.7	1.6	-11.2	-0.1		
	P. primera +5.35	50x100	-0.10/4.90	Peso propio	2496.1	14.2	-26.0	6.6	-15.5	0.0	2434.8	-18.9	51.3	6.6	-15.5	0.0		
				Cargas muertas	937.4	-7.4	-5.5	-3.6	0.4	0.0	937.4	10.7	-7.6	-3.6	0.4	0.0		
				H 1	0.4	-1.2	2.3	-0.3	0.4	0.0	0.4	0.2	0.2	-0.3	0.4	0.0		
				Sobrecarga de uso	947.8	5.0	-9.9	2.3	-5.5	0.0	947.8	-6.6	17.6	2.3	-5.5	0.0		
				Viento +X exc.+	13.9	50.2	31.1	15.4	8.3	-0.1	13.9	-26.8	-10.2	15.4	8.3	-0.1		
				Viento +X exc.-	14.9	49.3	23.7	15.1	6.3	-0.1	14.9	-26.3	-7.9	15.1	6.3	-0.1		
				Viento -X exc.+	-13.9	-50.2	-31.1	-15.4	-8.3	0.1	-13.9	26.8	10.2	-15.4	-8.3	0.1		
				Viento -X exc.-	-14.9	-49.3	-23.7	-15.1	-6.3	0.1	-14.9	26.3	7.9	-15.1	-6.3	0.1		
				Viento +Y exc.+	-23.0	-18.6	78.9	-5.7	21.5	0.4	-23.0	9.7	-28.4	-5.7	21.5	0.4		
				Viento +Y exc.-	-40.8	-5.2	187.7	-1.5	49.7	0.1	-40.8	2.4	-60.9	-1.5	49.7	0.1		
				Viento -Y exc.+	23.0	18.6	-78.9	5.7	-21.5	-0.4	23.0	-9.7	28.4	5.7	-21.5	-0.4		
				Viento -Y exc.-	40.8	5.2	-187.7	1.5	-49.7	-0.1	40.8	-2.4	60.9	1.5	-49.7	-0.1		
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2794.1	4.8	-7.1	4.3	-9.5	0.0	2755.4	-8.9	22.7	4.3	-9.5	0.0		
				Cargas muertas	1126.4	-2.3	-9.5	-2.1	-10.0	0.0	1126.4	4.2	22.1	-2.1	-10.0	0.0		
				H 1	-8.6	-1.4	2.5	-1.2	2.4	0.0	-8.6	2.5	-5.2	-1.2	2.4	0.0		
				Sobrecarga de uso	1035.2	1.8	-3.2	1.7	-3.8	0.0	1035.2	-3.4	8.8	1.7	-3.8	0.0		
				Viento +X exc.+	14.2	-16.2	-10.1	-14.8	-10.4	0.0	14.2	30.4	22.6	-14.8	-10.4	0.0		
				Viento +X exc.-	15.2	-15.9	-7.6	-14.5	-7.9	0.0	15.2	29.9	17.1	-14.5	-7.9	0.0		
				Viento -X exc.+	-14.2	16.2	10.1	14.8	10.4	0.0	-14.2	-30.4	-22.6	14.8	10.4	0.0		
				Viento -X exc.-	-15.2	15.9	7.6	14.5	7.9	0.0	-15.2	-29.9	-17.1	14.5	7.9	0.0		
				Viento +Y exc.+	-23.9	6.5	-8.2	5.7	-20.0	-0.0	-23.9	-11.5	54.9	5.7	-20.0	-0.0		
				Viento +Y exc.-	-41.6	2.3	-43.7	1.8	-56.8	-0.0	-41.6	-3.5	135.2	1.8	-56.8	-0.0		
				Viento -Y exc.+	23.9	-6.5	8.2	-5.7	20.0	0.0	23.9	11.5	-54.9	-5.7	20.0	0.0		
				Viento -Y exc.-	41.6	-2.3	43.7	-1.8	56.8	0.0	41.6	3.5	-135.2	-1.8	56.8	0.0		
P18a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.5	0.2	0.3	0.0	0.5	0.0	13.0	0.0	-1.1	0.0	0.5	0.0		
				Cargas muertas	4.3	0.1	0.1	0.0	0.2	0.0	4.3	0.0	-0.4	0.0	0.2	0.0		
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
				Sobrecarga de uso	4.5	0.2	-0.1	0.1	0.1	0.0	4.5	0.0	-0.3	0.1	0.1	0.0	0.0	
				Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-1.8	-0.9	2.3	0.6	-0.0	0.0	
				Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-1.6	-0.3	2.1	0.1	0.0	0.0	
				Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	1.8	0.9	-2.3	-0.6	0.0	0.0	
				Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	1.6	0.3	-2.1	-0.1	-0.0	0.0	
				Viento +Y exc.+	2.7	-0.0	4.2	0.0	3.1	0.0	2.7	-0.1	-4.0	0.0	3.1	0.0	0.0	
				Viento +Y exc.-	3.0	0.3	4.7	0.2	3.5	-0.0	3.0	-0.3	-4.4	0.2	3.5	-0.0	0.0	
				Viento -Y exc.+	-2.7	0.0	-4.2	-0.0	-3.1	-0.0	-2.7	0.1	4.0	-0.0	-3.1	-0.0	0.0	
				Viento -Y exc.-	-3.0	-0.3	-4.7	-0.2	-3.5	0.0	-3.0	0.3	4.4	-0.2	-3.5	0.0	0.0	
P19	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	366.0	-1.1	0.4	-0.8	0.0	0.0	353.2	1.4	0.3	-0.8	0.0	0.0		
				Cargas muertas	143.4	-0.3	-1.4	-0.2	-0.8	0.0	143.4	0.5	1.0	-0.2	-0.8	0.0	0.0	
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	
				Sobrecarga de uso	308.2	-0.6	-1.1	-0.6	-1.5	0.0	308.2	1.4	3.7	-0.6	-1.5	0.0	0.0	0.0
				Viento +X exc.+	0.3	5.6	0.6	3.1	0.3	-0.0	0.3	-4.4	-0.4	3.1	0.3	-0.0	0.0	0.0
				Viento +X exc.-	0.2	5.5	0.2	3.0	0.1	0.0	0.2	-4.4	-0.1	3.0	0.1	0.0	0.0	0.0
				Viento -X exc.+	-0.3	-5.6	-0.6	-3.1	-0.3	0.0	-0.3	4.4	0.4	-3.1	-0.3	0.0	0.0	0.0
				Viento -X exc.-	-0.2	-5.5	-0.2	-3.0	-0.1	0.0	-0.2	4.4	0.1	-3.0	-0.1	0.0	0.0	0.0
				Viento +Y exc.+	4.6	-0.1	21.8	-0.1	10.9	0.0	4.6	0.1	-13.6	-0.1	10.9	0.0	0.0	0.0
				Viento +Y exc.-	6.1	0.6	29.1	0.3	14.6	-0.0	6.1	-0.3	-18.4	0.3	14.6	-0.0	0.0	0.0
				Viento -Y exc.+	-4.6	0.1	-21.8	0.1	-10.9	-0.0	-4.6	-0.1	13.6	0.1	-10.9	-0.0	0.0	0.0
				Viento -Y exc.-	-6.1	-0.6	-29.1	-0.3	-14.6	0.0	-6.1	0.3	18.4	-0.3	-14.6	0.0	0.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	692.2	0.0	1.6	0.1	1.0	-0.0	676.0	-0.3	-1.8	0.1	1.0	-0.0		
				Cargas muertas	274.4	0.3	-1.9	0.2	-1.2	0.0	274.4	-0.5	2.0	0.2	-1.2	0.0	0.0	
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	
				Sobrecarga de uso	414.5	0.4	2.8	0.4	2.0	-0.0	414.5	-0.8	-3.7	0.4	2.0	-0.0	0.0	0.0
				Viento +X exc.+	0.3	10.9	0.9	7.6	0.6	-0.0	0.3	-13.8	-1.0	7.6	0.6	-0.0	0.0	0.0
				Viento +X exc.-	0.2	10.8	0.1	7.5	0.1	0.0	0.2	-13.7	-0.1	7.5	0.1	0.0	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. sexta +25.10	45x45	21.40/24.65	Viento -X exc.+	-0.3	-10.9	-0.9	-7.6	-0.6	0.0	-0.3	13.8	1.0	-7.6	-0.6	0.0
				Viento -X exc.-	-0.2	-10.8	-0.1	-7.5	-0.1	0.0	-0.2	13.7	0.1	-7.5	-0.1	0.0
				Viento +Y exc.+	4.0	-0.3	37.8	-0.3	23.8	0.0	4.0	0.7	-39.5	-0.3	23.8	0.0
				Viento +Y exc.-	5.6	0.7	51.8	0.4	33.1	-0.0	5.6	-0.6	-55.7	0.4	33.1	-0.0
				Viento -Y exc.+	-4.0	0.3	-37.8	0.3	-23.8	-0.0	-4.0	-0.7	39.5	0.3	-23.8	-0.0
				Viento -Y exc.-	-5.6	-0.7	-51.8	-0.4	-33.1	0.0	-5.6	0.6	55.7	-0.4	-33.1	0.0
				Peso propio	1019.6	-0.1	1.2	-0.1	0.6	0.0	1003.4	0.1	-0.7	-0.1	0.6	0.0
				Cargas muertas	406.6	0.3	-1.3	0.2	-1.0	0.0	406.6	-0.3	1.9	0.2	-1.0	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	521.7	0.1	1.4	0.1	0.7	0.0	521.7	-0.0	-1.0	0.1	0.7	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento +X exc.+	0.3	13.6	1.0	9.4	0.6	-0.0	0.3	-17.1	-1.1	9.4	0.6	-0.0
				Viento +X exc.-	0.2	13.5	0.1	9.4	0.1	0.0	0.2	-17.0	-0.1	9.4	0.1	0.0
				Viento -X exc.+	-0.3	-13.6	-1.0	-9.4	-0.6	0.0	-0.3	17.1	1.1	-9.4	-0.6	0.0
				Viento -X exc.-	-0.2	-13.5	-0.1	-9.4	-0.1	0.0	-0.2	17.0	0.1	-9.4	-0.1	0.0
				Viento +Y exc.+	3.0	-1.1	29.9	-0.8	18.6	0.1	3.0	1.5	-30.7	-0.8	18.6	0.1
				Viento +Y exc.-	4.3	0.2	44.6	0.1	28.4	-0.0	4.3	-0.1	-47.7	0.1	28.4	-0.0
				Viento -Y exc.+	-3.0	1.1	-29.9	0.8	-18.6	-0.1	-3.0	-1.5	30.7	0.8	-18.6	-0.1
				Viento -Y exc.-	-4.3	-0.2	-44.6	-0.1	-28.4	0.0	-4.3	0.1	47.7	-0.1	-28.4	0.0
				Peso propio	1349.9	0.4	0.5	0.2	0.5	0.0	1329.9	-0.2	-1.2	0.2	0.5	0.0
				Cargas muertas	537.7	0.5	-2.0	0.3	-1.1	0.0	537.7	-0.4	1.7	0.3	-1.1	0.0
	P. cuarta +17.90	50x50	14.20/17.45	H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	628.6	0.4	1.3	0.2	0.9	0.0	628.6	-0.4	-1.6	0.2	0.9	0.0
				Viento +X exc.+	0.2	19.9	1.2	13.5	0.9	-0.0	0.2	-24.1	-1.5	13.5	0.9	-0.0
				Viento +X exc.-	0.2	19.8	0.0	13.5	0.1	0.0	0.2	-23.9	-0.2	13.5	0.1	0.0
				Viento -X exc.+	-0.2	-19.9	-1.2	-13.5	-0.9	0.0	-0.2	24.1	1.5	-13.5	-0.9	0.0
				Viento -X exc.-	-0.2	-19.8	-0.0	-13.5	-0.1	-0.0	-0.2	23.9	0.2	-13.5	-0.1	-0.0
				Viento +Y exc.+	1.9	-1.3	38.9	-1.0	24.2	0.2	1.9	2.0	-39.8	-1.0	24.2	0.2
				Viento +Y exc.-	2.7	0.2	59.6	0.1	37.8	0.0	2.7	0.0	-63.2	0.1	37.8	0.0
				Viento -Y exc.+	-1.9	1.3	-38.9	1.0	-24.2	-0.2	-1.9	-2.0	39.8	1.0	-24.2	-0.2
				Viento -Y exc.-	-2.7	-0.2	-59.6	-0.1	-37.8	-0.0	-2.7	-0.0	63.2	-0.1	-37.8	-0.0
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1683.1	-0.0	0.4	-0.1	0.1	0.0	1663.2	0.4	-0.1	-0.1	0.1	0.0
				Cargas muertas	670.8	0.5	-1.2	0.2	-1.0	0.0	670.8	-0.2	1.9	0.2	-1.0	0.0
				H 1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	736.8	0.3	1.0	0.1	0.5	0.0	736.8	-0.0	-0.6	0.1	0.5	0.0
				Viento +X exc.+	0.1	23.9	1.5	15.4	1.1	-0.0	0.1	-26.0	-2.0	15.4	1.1	-0.0
				Viento +X exc.-	0.1	23.8	0.1	15.3	0.2	0.0	0.1	-25.9	-0.6	15.3	0.2	0.0
				Viento -X exc.+	-0.1	-23.9	-1.5	-15.4	-1.1	0.0	-0.1	26.0	2.0	-15.4	-1.1	0.0
				Viento -X exc.-	-0.1	-23.8	-0.1	-15.3	-0.2	0.0	-0.1	25.9	0.6	-15.3	-0.2	0.0
				Viento +Y exc.+	0.9	-1.9	36.1	-1.5	21.5	0.2	0.9	3.0	-33.8	-1.5	21.5	0.2
				Viento +Y exc.-	1.0	-0.0	59.4	-0.1	35.9	0.0	1.0	0.4	-57.2	-0.1	35.9	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento -Y exc.+	-0.9	1.9	-36.1	1.5	-21.5	-0.2	-0.9	-3.0	33.8	1.5	-21.5	-0.2
				Viento -Y exc.-	-1.0	0.0	-59.4	0.1	-35.9	-0.0	-1.0	-0.4	57.2	0.1	-35.9	-0.0
				Peso propio	2009.7	-1.3	5.2	-0.7	2.7	-0.0	1989.8	1.0	-3.5	-0.7	2.7	-0.0
				Cargas muertas	799.4	-0.4	0.2	-0.2	0.2	-0.0	799.4	0.1	-0.5	-0.2	0.2	-0.0
				H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	842.9	-0.6	2.1	-0.3	1.2	0.0	842.9	0.3	-1.7	-0.3	1.2	0.0
				Viento +X exc.+	-0.2	26.1	2.0	16.7	1.6	-0.0	-0.2	-28.1	-3.1	16.7	1.6	-0.0
				Viento +X exc.-	-0.1	26.0	0.5	16.6	0.6	-0.0	-0.1	-27.9	-1.6	16.6	0.6	-0.0
				Viento -X exc.+	0.2	-26.1	-2.0	-16.7	-1.6	0.0	0.2	28.1	3.1	-16.7	-1.6	0.0
				Viento -X exc.-	0.1	-26.0	-0.5	-16.6	-0.6	0.0	0.1	27.9	1.6	-16.6	-0.6	0.0
	P. primera +5.35	50x100	-0.10/4.90	Viento +Y exc.+	-1.7	-1.3	41.2	-2.0	23.5	0.2	-1.7	5.2	-35.3	-2.0	23.5	0.2
				Viento +Y exc.-	-3.2	0.0	67.1	-0.3	38.9	0.0	-3.2	1.1	-59.4	-0.3	38.9	0.0
				Viento -Y exc.+	1.7	1.3	-41.2	2.0	-23.5	-0.2	1.7	-5.2	35.3	2.0	-23.5	-0.2
				Viento -Y exc.-	3.2	-0.0	-67.1	0.3	-38.9	-0.0	3.2	-1.1	59.4	0.3	-38.9	-0.0
				Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2318.8	2.1	-0.6	-1.0	-0.1	0.0
				Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	1.4	1.2	-0.8	-0.1	0.0
				H 1	-0.2	0.0	-0.2	0.0	-0.0	0.0	-0.2	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	951.5	-1.0	-0.4	-0.3	-0.0	0.0	951.5	0.7	-0.2	-0.3	-0.0	0.0
				Viento +X exc.+	-0.8	31.5	4.2	12.1	1.8	-0.0	-0.8	-29.1	-4.9	12.1	1.8	-0.0
				Viento +X exc.-	-0.6	31.0	3.1	11.9	1.4	-0.0	-0.6	-28.5	-3.9	11.9	1.4	-0.0
	P. primera +5.35	50x100	-0.10/4.90	Viento -X exc.+	0.8	-31.5	-4.2	-12.1	-1.8	0.0	0.8	29.1	4.9	-12.1	-1.8	0.0
				Viento -X exc.-	0.6	-31.0	-3.1	-11.9	-1.4	0.0	0.6	28.5	3.9	-11.9	-1.4	0.0
				Viento +Y exc.+	-4.3	-11.7	18.1	-4.9	6.7	0.2	-4.3	12.9	-15.2	-4.9	6.7	0.2
				Viento +Y exc.-	-8.0	-3.3	35.3	-1.4	13.2	0.1	-8.0	4.0	-30.6	-1.4	13.2	0.1
				Viento -Y exc.+	4.3	11.7	-18.1	4.9	-6.7	-0.2	4.3	-12.9	15.2	4.9	-6.7	-0.2
				Viento -Y exc.-	8.0	3.3	-35.3	1.4	-13.2	-0.1	8.0	-4.0	30.6	1.4	-13.2	-0.1
				Peso propio	2753.2	-2.2	15.4	-1.5	2.2	0.0	2691.8	5.2	4.6	-1.5	2.2	0.0
				Cargas muertas	1066.4	-1.9	10.4	-1.5	5.0	0.0	1066.4	5.4	-14.4	-1.5	5.0	0.0
				H 1	0.2	-0.1	2.5	-0.1	0.5	0.0	0.2	0.2	0.1	-0.1	0.5	0.0
				Sobrecarga de uso	1060.4	-0.7	4.0	-0.5	0.4	0.0	1060.4	1.7	1.7	-0.5	0.4	0.0
				Viento +X exc.+	0.1	51.5	25.9	15.9	7.2	-0.1	0.1	-28.3	-10.0	15.9	7.2	-0.1
				Viento +X exc.-	0.2	50.5	19.6	15.6	5.4	-0.1	0.2	-27.7	-7.6	15.6	5.4	-0.1
				Viento -X exc.+	-0.1	-51.5	-25.9	-15.9	-7.2	0.1	-0.1	28.3	10.0	-15.9	-7.2	0.1
				Viento -X exc.-	-0.2	-50.5	-19.6	-15.6	-5.4	0.1	-0.2	27.7	7.6	-15.6	-5.4	0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	50x100	-3.60/-0.45	Viento +Y exc.+	-2.3	-18.8	115.5	-5.7	32.6	0.4	-2.3	9.9	-47.6	-5.7	32.6	0.4
				Viento +Y exc.-	-4.3	-4.9	208.1	-1.3	58.0	0.1	-4.3	1.8	-81.9	-1.3	58.0	0.1
				Viento -Y exc.+	2.3	18.8	-115.5	5.7	-32.6	-0.4	2.3	-9.9	47.6	5.7	-32.6	-0.4
				Viento -Y exc.-	4.3	4.9	-208.1	1.3	-58.0	-0.1	4.3	-1.8	81.9	1.3	-58.0	-0.1
				Peso propio	3118.4	0.2	6.8	0.2	4.2	0.0	3079.8	-0.4	-6.4	0.2	4.2	0.0
				Cargas muertas	1260.8	1.1	1.6	1.1	0.8	0.0	1260.8	-2.2	-1.0	1.1	0.8	0.0
				H 1	-6.5	0.1	2.8	0.1	2.7	0.0	-6.5	-0.2	-5.7	0.1	2.7	0.0
				Sobrecarga de uso	1167.6	0.3	1.8	0.3	1.1	0.0	1167.6	-0.6	-1.6	0.3	1.1	0.0
				Viento +X exc.+	0.8	-15.5	-7.8	-14.2	-8.0	0.0	0.8	29.3	17.6	-14.2	-8.0	0.0
				Viento +X exc.-	0.8	-15.3	-5.9	-14.0	-6.1	0.0	0.8	28.8	13.3	-14.0	-6.1	0.0
				Viento -X exc.+	-0.8	15.5	7.8	14.2	8.0	0.0	-0.8	-29.3	-17.6	14.2	8.0	0.0
				Viento -X exc.-	-0.8	15.3	5.9	14.0	6.1	0.0	-0.8	-28.8	-13.3	14.0	6.1	0.0
				Viento +Y exc.+	-1.2	6.3	-17.3	5.5	-28.8	-0.0	-1.2	-11.2	73.5	5.5	-28.8	-0.0
				Viento +Y exc.-	-1.7	2.2	-45.0	1.8	-57.7	-0.0	-1.7	-3.5	136.7	1.8	-57.7	-0.0
				Viento -Y exc.+	1.2	-6.3	17.3	-5.5	28.8	0.0	1.2	11.2	-73.5	-5.5	28.8	0.0
				Viento -Y exc.-	1.7	-2.2	45.0	-1.8	57.7	0.0	1.7	3.5	-136.7	-1.8	57.7	0.0
P20	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	317.8	3.6	-13.3	3.8	-9.4	0.0	305.1	-8.7	17.2	3.8	-9.4	0.0
				Cargas muertas	118.5	0.8	-8.3	1.1	-5.6	0.0	118.5	-2.6	10.0	1.1	-5.6	0.0
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	258.8	-0.3	-13.3	-0.4	-12.0	0.0	258.8	1.0	25.9	-0.4	-12.0	0.0
				Viento +X exc.+	-0.7	5.7	1.0	3.8	0.8	-0.0	-0.7	-6.7	-1.5	3.8	0.8	-0.0
				Viento +X exc.-	-0.8	5.7	0.5	3.8	0.4	0.0	-0.8	-6.7	-0.9	3.8	0.4	0.0
				Viento -X exc.+	0.7	-5.7	-1.0	-3.8	-0.8	0.0	0.7	6.7	1.5	-3.8	-0.8	0.0
				Viento -X exc.-	0.8	-5.7	-0.5	-3.8	-0.4	0.0	0.8	6.7	0.9	-3.8	-0.4	0.0
				Viento +Y exc.+	12.9	-1.7	23.8	-1.3	15.3	0.0	12.9	2.6	-25.9	-1.3	15.3	0.0
				Viento +Y exc.-	15.2	-1.4	30.8	-1.2	20.0	-0.0	15.2	2.4	-34.2	-1.2	20.0	-0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento -Y exc.+	-12.9	1.7	-23.8	1.3	-15.3	-0.0	-12.9	-2.6	25.9	1.3	-15.3	-0.0
				Viento -Y exc.-	-15.2	1.4	-30.8	1.2	-20.0	0.0	-15.2	-2.4	34.2	1.2	-20.0	0.0
				Peso propio	590.7	-1.7	-13.9	-1.3	-8.6	-0.0	574.6	2.6	13.9	-1.3	-8.6	-0.0
				Cargas muertas	224.4	-1.4	-9.2	-0.9	-5.7	0.0	224.4	1.7	9.3	-0.9	-5.7	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	345.2	0.3	-2.2	0.2	-0.6	-0.0	345.2	-0.4	-0.3	0.2	-0.6	-0.0
				Viento +X exc.+	-1.5	9.6	0.6	6.8	0.3	-0.0	-1.5	-12.4	-0.5	6.8	0.3	-0.0
				Viento +X exc.-	-1.6	9.6	0.0	6.8	-0.0	0.0	-1.6	-12.4	0.1	6.8	-0.0	0.0
				Viento -X exc.+	1.5	-9.6	-0.6	-6.8	-0.3	0.0	1.5	12.4	0.5	-6.8	-0.3	0.0
				Viento -X exc.-	1.6	-9.6	-0.0	-6.8	0.0	0.0	1.6	12.4	-0.1	-6.8	0.0	0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +Y exc.+	11.1	-1.4	32.2	-0.9	20.2	0.0	11.1	1.7	-33.4	-0.9	20.2	0.0
				Viento +Y exc.-	13.0	-0.9	41.7	-0.5	26.4	-0.0	13.0	0.9	-44.0	-0.5	26.4	-0.0
				Viento -Y exc.+	-11.1	1.4	-32.2	0.9	-20.2	-0.0	-11.1	-1.7	33.4	0.9	-20.2	-0.0
				Viento -Y exc.-	-13.0	0.9	-41.7	0.5	-26.4	0.0	-13.0	-0.9	44.0	0.5	-26.4	0.0
				Peso propio	864.2	-1.2	-12.2	-0.6	-7.9	0.0	848.1	0.7	13.6	-0.6	-7.9	0.0
				Cargas muertas	331.2	-0.9	-7.7	-0.6	-5.0	0.0	331.2	0.8	8.6	-0.6	-5.0	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	432.2	-0.1	-4.2	-0.0	-2.9	0.0	432.2	-0.0	5.3	-0.0	-2.9	0.0
				Viento +X exc.+	-2.6	12.2	0.7	8.6	0.5	-0.0	-2.6	-15.8	-0.9	8.6	0.5	-0.0
				Viento +X exc.-	-2.6	12.2	0.2	8.6	0.1	0.0	-2.6	-15.7	-0.2	8.6	0.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -X exc.+	2.6	-12.2	-0.7	-8.6	-0.5	0.0	2.6	15.8	0.9	-8.6	-0.5	0.0
				Viento -X exc.-	2.6	-12.2	-0.2	-8.6	-0.1	0.0	2.6	15.7	0.2	-8.6	-0.1	0.0
				Viento +Y exc.+	8.8	-2.0	27.7	-1.4	17.6	0.1	8.8	2.5	-29.5	-1.4	17.6	0.1
				Viento +Y exc.-	9.8	-1.1	37.7	-0.8	24.3	-0.0	9.8	1.5	-41.2	-0.8	24.3	-0.0
				Viento -Y exc.+	-8.8	2.0	-27.7	1.4	-17.6	-0.1	-8.8	-2.5	29.5	1.4	-17.6	-0.1
				Viento -Y exc.-	-9.8	1.1	-37.7	0.8	-24.3	0.0	-9.8	-1.5	41.2	0.8	-24.3	0.0
				Peso propio	1140.4	-2.4	-16.2	-1.5	-10.0	0.0	1120.5	2.4	16.4	-1.5	-10.0	0.0
				Cargas muertas	436.6	-1.8	-9.7	-1.1	-6.0	0.0	436.6	1.8	9.9	-1.1	-6.0	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	518.7	-0.5	-5.2	-0.3	-3.2	0.0	518.7	0.5	5.2	-0.3	-3.2	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento +X exc.+	-4.0	17.6	0.9	12.1	0.7	-0.0	-4.0	-21.8	-1.2	12.1	0.7	-0.0
				Viento +X exc.-	-4.0	17.5	0.1	12.1	0.1	0.0	-4.0	-21.8	-0.3	12.1	0.1	0.0
				Viento -X exc.+	4.0	-17.6	-0.9	-12.1	-0.7	0.0	4.0	21.8	1.2	-12.1	-0.7	0.0
				Viento -X exc.-	4.0	-17.5	-0.1	-12.1	-0.1	-0.0	4.0	21.8	0.3	-12.1	-0.1	-0.0
				Viento +Y exc.+	5.9	-2.3	36.3	-1.6	22.9	0.2	5.9	3.0	-38.1	-1.6	22.9	0.2
				Viento +Y exc.-	5.6	-1.3	50.1	-0.9	32.0	0.0	5.6	1.7	-53.8	-0.9	32.0	0.0
				Viento -Y exc.+	-5.9	2.3	-36.3	1.6	-22.9	-0.2	-5.9	-3.0	38.1	1.6	-22.9	-0.2
				Viento -Y exc.-	-5.6	1.3	-50.1	0.9	-32.0	-0.0	-5.6	-1.7	53.8	0.9	-32.0	-0.0
				Peso propio	1418.9	-3.2	-15.2	-2.1	-9.5	0.0	1399.0	3.5	15.6	-2.1	-9.5	0.0
				Cargas muertas	543.7	-1.6	-8.6	-1.1	-5.5	0.0	543.7	2.0	9.4	-1.1	-5.5	0.0
				H 1	-0.1	-0.0	-0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	606.3	-1.2	-5.2	-0.7	-3.3	0.0	606.3	1.2	5.6	-0.7	-3.3	0.0
				Viento +X exc.+	-5.6	21.4	1.1	13.8	0.8	-0.0	-5.6	-23.6	-1.5	13.8	0.8	-0.0
				Viento +X exc.-	-5.4	21.3	0.2	13.8	0.3	0.0	-5.4	-23.5	-0.6	13.8	0.3	0.0
				Viento -X exc.+	5.6	-21.4	-1.1	-13.8	-0.8	0.0	5.6	23.6	1.5	-13.8	-0.8	0.0
				Viento -X exc.-	5.4	-21.3	-0.2	-13.8	-0.3	0.0	5.4	23.5	0.6	-13.8	-0.3	0.0
				Viento +Y exc.+	2.7	-2.5	35.4	-2.0	21.2	0.2	2.7	3.8	-33.7	-2.0	21.2	0.2
				Viento +Y exc.-	0.7	-1.3	50.7	-1.0	30.7	0.0	0.7	1.8	-49.1	-1.0	30.7	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
	P. tercera +14.30	50x50	10.60/13.85	Viento -Y exc.+	-2.7	2.5	-35.4	2.0	-21.2	-0.2	-2.7	-3.8	33.7	2.0	-21.2	-0.2			
				Viento -Y exc.-	-0.7	1.3	-50.7	1.0	-30.7	-0.0	-0.7	-1.8	49.1	1.0	-30.7	-0.0			
				Peso propio	1689.7	-3.9	-12.9	-2.4	-8.3	-0.0	1669.8	4.0	13.9	-2.4	-8.3	-0.0			
				Cargas muertas	644.5	-3.2	-9.4	-1.7	-5.5	-0.0	644.5	2.4	8.4	-1.7	-5.5	-0.0			
				H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0			
				Sobrecarga de uso	691.2	-1.1	-4.6	-0.8	-2.9	0.0	691.2	1.5	4.9	-0.8	-2.9	0.0	0.0		
				Viento +X exc.+	-7.7	23.9	1.2	15.3	1.0	-0.0	-7.7	-25.7	-2.1	15.3	1.0	-0.0			
				Viento +X exc.-	-7.4	23.9	0.1	15.2	0.4	-0.0	-7.4	-25.5	-1.1	15.2	0.4	-0.0			
				Viento -X exc.+	7.7	-23.9	-1.2	-15.3	-1.0	0.0	7.7	25.7	2.1	-15.3	-1.0	0.0			
				Viento -X exc.-	7.4	-23.9	-0.1	-15.2	-0.4	0.0	7.4	25.5	1.1	-15.2	-0.4	0.0			
				Viento +Y exc.+	-2.1	-1.9	42.5	-2.3	24.1	0.2	-2.1	5.7	-35.7	-2.3	24.1	0.2			
				Viento +Y exc.-	-6.5	-1.3	60.6	-1.1	34.6	0.0	-6.5	2.4	-51.8	-1.1	34.6	0.0			
				Viento -Y exc.+	2.1	1.9	-42.5	2.3	-24.1	-0.2	2.1	-5.7	35.7	2.3	-24.1	-0.2			
				Viento -Y exc.-	6.5	1.3	-60.6	1.1	-34.6	-0.0	6.5	-2.4	51.8	1.1	-34.6	-0.0			
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	1982.7	-7.3	-15.7	-2.5	-5.5	0.0	1952.1	5.0	12.0	-2.5	-5.5	0.0			
				Cargas muertas	757.5	1.9	-2.9	0.3	-1.8	0.0	757.5	0.4	6.0	0.3	-1.8	0.0			
				H 1	-0.2	0.0	-0.2	-0.0	-0.0	0.0	-0.2	0.0	0.0	-0.0	-0.0	0.0			
				Sobrecarga de uso	780.4	-3.0	-6.0	-0.9	-2.2	0.0	780.4	1.6	4.7	-0.9	-2.2	0.0	0.0		
				Viento +X exc.+	-9.9	31.2	3.5	11.9	1.4	-0.0	-9.9	-28.4	-3.5	11.9	1.4	-0.0			
				Viento +X exc.-	-9.4	30.7	2.6	11.7	1.1	-0.0	-9.4	-27.8	-2.7	11.7	1.1	-0.0			
				Viento -X exc.+	9.9	-31.2	-3.5	-11.9	-1.4	0.0	9.9	28.4	3.5	-11.9	-1.4	0.0			
				Viento -X exc.-	9.4	-30.7	-2.6	-11.7	-1.1	0.0	9.4	27.8	2.7	-11.7	-1.1	0.0			
				Viento +Y exc.+	-5.7	-12.6	27.2	-5.2	9.7	0.2	-5.7	13.6	-21.3	-5.2	9.7	0.2			
				Viento +Y exc.-	-12.7	-4.6	41.2	-2.0	14.8	0.1	-12.7	5.1	-32.9	-2.0	14.8	0.1			
				Viento -Y exc.+	5.7	12.6	-27.2	5.2	-9.7	-0.2	5.7	-13.6	21.3	5.2	-9.7	-0.2			
				Viento -Y exc.-	12.7	4.6	-41.2	2.0	-14.8	-0.1	12.7	-5.1	32.9	2.0	-14.8	-0.1			
				P. primera +5.35	50x50	-0.10/4.90	Peso propio	2260.2	-7.7	-7.2	-3.4	-4.1	0.0	2229.5	9.2	13.4	-3.4	-4.1	0.0
							Cargas muertas	908.8	2.1	-1.0	1.0	-0.2	0.0	908.8	-3.1	0.0	1.0	-0.2	0.0
	H 1	0.2	-0.1				0.4	-0.0	0.1	0.0	0.2	0.1	-0.0	0.1	0.0	0.0			
	Sobrecarga de uso	865.7	-3.1				-3.0	-1.4	-1.6	0.0	865.7	3.9	5.2	-1.4	-1.6	0.0	0.0		
	Viento +X exc.+	-11.9	29.3				3.8	9.0	1.2	-0.0	-11.9	-16.0	-2.2	9.0	1.2	-0.0			
	Viento +X exc.-	-11.3	28.7				2.8	8.9	0.9	-0.0	-11.3	-15.7	-1.7	8.9	0.9	-0.0			
	Viento -X exc.+	11.9	-29.3				-3.8	-9.0	-1.2	0.0	11.9	16.0	2.2	-9.0	-1.2	0.0			
	Viento -X exc.-	11.3	-28.7				-2.8	-8.9	-0.9	0.0	11.3	15.7	1.7	-8.9	-0.9	0.0			
	Viento +Y exc.+	-7.4	-11.2				27.8	-3.5	8.6	0.1	-7.4	6.4	-15.4	-3.5	8.6	0.1			
	Viento +Y exc.-	-16.3	-3.6				41.2	-1.2	12.7	0.0	-16.3	2.3	-22.4	-1.2	12.7	0.0			
	Viento -Y exc.+	7.4	11.2				-27.8	3.5	-8.6	-0.1	7.4	-6.4	15.4	3.5	-8.6	-0.1			
	Viento -Y exc.-	16.3	3.6				-41.2	1.2	-12.7	-0.0	16.3	-2.3	22.4	1.2	-12.7	-0.0			
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2559.9	-8.0	-15.5	-7.1	-17.6	0.0	2521.3	14.5	40.0	-7.1	-17.6	0.0			
				Cargas muertas	1054.1	1.1	-11.2	1.0	-11.7	0.0	1054.1	-2.1	25.7	1.0	-11.7	0.0			
				H 1	-6.2	0.1	3.3	0.1	3.2	0.0	-6.2	-0.3	-6.7	0.1	3.2	0.0			
				Sobrecarga de uso	952.9	-2.8	-6.0	-2.5	-6.5	0.0	952.9	5.1	14.5	-2.5	-6.5	0.0	0.0		
				Viento +X exc.+	-11.9	-8.8	-0.8	-8.2	-1.2	0.0	-11.9	17.0	2.9	-8.2	-1.2	0.0			
				Viento +X exc.-	-11.4	-8.6	-0.7	-8.0	-0.9	0.0	-11.4	16.7	2.3	-8.0	-0.9	0.0			
				Viento -X exc.+	11.9	8.8	0.8	8.2	1.2	0.0	11.9	-17.0	-2.9	8.2	1.2	0.0			
				Viento -X exc.-	11.4	8.6	0.7	8.0	0.9	0.0	11.4	-16.7	-2.3	8.0	0.9	0.0			
				Viento +Y exc.+	-8.1	3.6	9.7	3.1	-2.2	-0.0	-8.1	-6.3	16.6	3.1	-2.2	-0.0			
				Viento +Y exc.-	-17.2	1.3	7.5	1.0	-5.9	-0.0	-17.2	-1.7	26.0	1.0	-5.9	-0.0			
Viento -Y exc.+				8.1	-3.6	-9.7	-3.1	2.2	0.0	8.1	6.3	-16.6	-3.1	2.2	0.0				
Viento -Y exc.-				17.2	-1.3	-7.5	-1.0	5.9	0.0	17.2	1.7	-26.0	-1.0	5.9	0.0				
P20a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.8	-0.1	0.4	-0.0	0.6	0.0	13.3	-0.1	-1.1	-0.0	0.6	0.0			
				Cargas muertas	4.5	-0.0	0.1	-0.0	0.2	0.0	4.5	-0.0	-0.4	-0.0	0.2	0.0			
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
				Sobrecarga de uso	4.5	-0.1	-0.1	-0.0	0.1	0.0	4.5	-0.0	-0.3	-0.0	0.1	0.0			
				Viento +X exc.+	2.1	4.1	-0.7	2.3	-0.6	-0.0	2.1	-1.8	0.9	2.3	-0.6	-0.0			
				Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	-1.6	0.3	2.1	-0.1	0.0			
				Viento -X exc.+	-2.1	-4.1	0.7	-2.3	0.6	0.0	-2.1	1.8	-0.9	-2.3	0.6	0.0			
				Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	1.6	-0.3	-2.1	0.1	-0.0			
				Viento +Y exc.+	2.7	-0.3	4.7	-0.2	3.5	0.0	2.7	0.3	-4.4	-0.2	3.5	0.0			
				Viento +Y exc.-	2.6	0.0	4.1	-0.1	3.1	0.0	2.6	0.1	-3.9	-0.1	3.1	0.0			
				Viento -Y exc.+	-2.7	0.3	-4.7	0.2	-3.5	-0.0	-2.7	-0.3	4.4	0.2	-3.5	-0.0			
				Viento -Y exc.-	-2.6	0.0	-4.1	0.1	-3.1	0.0	-2.6	-0.1	3.9	0.1	-3.1	0.0			
P21	Casetón ascensor +35.07	HE 180 A	32.20/34.77	Peso propio	136.3	-0.5	4.6	-0.4	6.7	0.0	135.4	0.4	-12.6	-0.4	6.7	0.0			
				Cargas muertas	43.8	-0.1	1.5	-0.1	2.2	0.0	43.8	0.1	-4.1	-0.1	2.2	0.0			
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0			
				Sobrecarga de uso	38.8	0.2	1.6	0.4	2.0	0.0	38.8	-0.7	-3.6	0.4	2.0	0.0			
				Viento +X exc.+	1.0	0.6	-0.0	0.5	-0.0	0.0	1.0	-0.7	0.0	0.5	-0.0	0.0			
				Viento +X exc.-	1.0	0.6	-0.1	0.5	-0.0	0.0	1.0	-0.7	0.0	0.5	-0.0	0.0			
				Viento -X exc.+	-1.0	-0.6	0.0	-0.5	0.0	0.0	-1.0	0.7	-0.0	-0.5	0.0	0.0			
				Viento -X exc.-	-1.0	-0.6	0.1	-0.5	0.0	0.0	-1.0	0.7	-0.0	-0.5	0.0	0.0			
				Viento +Y exc.+	-1.1	-0.2	6.4	-0.2	4.8	0.0	-1.1	0.3	-5.9	-0.2	4.8	0.0			
				Viento +Y exc.-	-1.2	-0.0	7.2	-0.1	5.4	0.0	-1.2	0.2	-6.6	-0.1	5.4	0.0			
				Viento -Y exc.+	1.1	0.2	-6.4	0.2	-4.8	0.0	1.1	-0.3	5.9	0.2	-4.8	0.0			
				Viento -Y exc.-	1.2	0.0	-7.2	0.1	-5.4	0.0	1.2	-0.2	6.6	0.1	-5.4	0.0			



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. cubierta +32.30	40x40	28.60/31.85	Peso propio		49.5	4.5	-6.3	-12.8	-31.2	0.4	320.3	5.4	23.0	-13.9	-60.7	0.3
				Cargas muertas	-15.4	2.8	-3.6	-7.0	-18.9	0.2	126.7	3.0	10.3	-6.9	-27.4	0.1
				H 1	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	58.9	-1.0	-1.9	-9.3	-13.5	0.1	267.8	6.7	21.1	-13.3	-54.1	0.4
				Viento +X exc.+	-4.3	3.2	-0.6	3.3	-0.3	0.1	-24.4	-4.8	0.6	2.7	-0.2	0.1
				Viento +X exc.-	-2.4	3.2	-0.6	3.3	-0.3	0.1	-22.9	-4.8	0.7	2.6	-0.4	0.1
				Viento -X exc.+	4.3	-3.2	0.6	-3.3	0.3	-0.1	24.4	4.8	-0.6	-2.7	0.2	-0.1
				Viento -X exc.-	2.4	-3.2	0.6	-3.3	0.3	-0.1	22.9	4.8	-0.7	-2.6	0.4	-0.1
				Viento +Y exc.+	-36.5	-5.3	3.9	2.1	14.5	-0.3	-70.3	-0.6	-7.5	2.4	16.7	0.0
				Viento +Y exc.-	-70.9	-5.7	4.5	2.5	15.4	-0.4	-95.8	-1.3	-9.1	3.2	19.9	0.0
				Viento -Y exc.+	36.5	5.3	-3.9	-2.1	-14.5	0.3	70.3	0.6	7.5	-2.4	-16.7	-0.0
				Viento -Y exc.-	70.9	5.7	-4.5	-2.5	-15.4	0.4	95.8	1.3	9.1	-3.2	-19.9	-0.0
P. séptima +28.70	45x50	25.00/28.25	Peso propio		192.3	12.0	-15.8	5.3	-25.7	0.3	278.5	-19.2	25.3	-9.1	-77.5	2.1
				Cargas muertas	52.4	6.4	-7.9	3.1	-12.3	0.1	85.2	-9.5	12.5	-3.6	-37.0	1.0
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	115.2	6.0	-5.4	4.0	-7.6	0.1	137.1	-10.1	9.1	-1.5	-27.2	0.7
				Viento +X exc.+	-25.4	3.6	-1.6	3.7	-1.7	0.0	-35.3	-7.2	1.5	3.2	-2.3	0.2
				Viento +X exc.-	-21.1	3.7	-1.7	3.7	-1.8	0.0	-31.7	-7.3	1.6	3.2	-2.6	0.2
				Viento -X exc.+	25.4	-3.6	1.6	-3.7	1.7	-0.0	35.3	7.2	-1.5	-3.2	2.3	-0.2
				Viento -X exc.-	21.1	-3.7	1.7	-3.7	1.8	-0.0	31.7	7.3	-1.6	-3.2	2.6	-0.2
				Viento +Y exc.+	-95.2	-8.3	9.7	-4.0	18.1	-0.1	-120.4	10.7	-14.8	2.0	37.1	-1.1
				Viento +Y exc.-	-170.3	-9.7	10.6	-4.7	19.4	-0.2	-183.0	12.5	-17.8	2.8	43.0	-1.5
				Viento -Y exc.+	95.2	8.3	-9.7	4.0	-18.1	0.1	120.4	-10.7	14.8	-2.0	-37.1	1.1
				Viento -Y exc.-	170.3	9.7	-10.6	4.7	-19.4	0.2	183.0	-12.5	17.8	-2.8	-43.0	1.5
P. sexta +25.10	45x50	21.40/24.65	Peso propio		288.1	8.5	-12.9	2.2	-20.4	0.2	375.6	-9.4	25.6	-6.2	-58.1	1.0
				Cargas muertas	86.3	4.7	-7.1	1.1	-11.8	0.1	132.7	-5.0	12.5	-2.5	-27.7	0.5
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	134.0	3.4	-4.5	0.9	-7.2	0.1	174.7	-3.6	9.7	-2.2	-22.1	0.4
				Viento +X exc.+	-18.4	6.8	-1.5	6.7	0.3	0.0	-59.6	-10.6	1.5	6.1	0.1	0.1
				Viento +X exc.-	-15.1	6.9	-1.6	6.6	-0.0	0.0	-54.3	-10.6	1.7	6.0	-0.4	0.2
				Viento -X exc.+	18.4	-6.8	1.5	-6.7	-0.3	-0.0	59.6	10.6	-1.5	-6.1	-0.1	-0.1
				Viento -X exc.-	15.1	-6.9	1.6	-6.6	0.0	-0.0	54.3	10.6	-1.7	-6.0	0.4	-0.2
				Viento +Y exc.+	-51.3	-7.6	11.7	-0.7	25.2	-0.1	-146.5	7.7	-16.6	1.8	33.8	-0.5
				Viento +Y exc.-	-104.8	-8.0	14.0	1.3	31.4	-0.3	-236.4	7.7	-20.7	4.7	42.4	-0.7
				Viento -Y exc.+	51.3	7.6	-11.7	0.7	-25.2	0.1	146.5	-7.7	16.6	-1.8	-33.8	0.5
				Viento -Y exc.-	104.8	8.0	-14.0	-1.3	-31.4	0.3	236.4	-7.7	20.7	-4.7	-42.4	0.7
P. quinta +21.50	50x50	17.80/21.05	Peso propio		391.3	10.5	-13.2	3.9	-19.2	0.3	475.2	-12.8	25.5	-5.0	-58.9	1.2
				Cargas muertas	133.8	5.8	-6.7	2.4	-10.0	0.2	168.5	-6.7	12.2	-1.4	-26.6	0.6
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	160.5	4.6	-4.7	2.0	-6.7	0.1	195.6	-5.6	9.6	-1.3	-21.8	0.4
				Viento +X exc.+	-27.1	9.2	-1.9	7.7	-0.8	0.0	-58.6	-13.2	1.9	7.4	-1.3	0.2
				Viento +X exc.-	-25.1	9.3	-2.1	7.6	-1.2	0.0	-54.4	-13.2	2.2	7.2	-1.9	0.2
				Viento -X exc.+	27.1	-9.2	1.9	-7.7	0.8	-0.0	58.6	13.2	-1.9	-7.4	1.3	-0.2
				Viento -X exc.-	25.1	-9.3	2.1	-7.6	1.2	-0.0	54.4	13.2	-2.2	-7.2	1.9	-0.2
				Viento +Y exc.+	-59.9	-9.2	14.4	0.6	32.4	-0.1	-93.6	9.6	-19.0	3.1	41.3	-0.6
				Viento +Y exc.-	-36.1	-10.2	17.2	2.8	39.8	-0.3	-161.5	10.1	-23.5	6.3	51.2	-0.9
				Viento -Y exc.+	-59.9	9.2	-14.4	-0.6	-32.4	0.1	93.6	-9.6	19.0	-3.1	-41.3	0.6
				Viento -Y exc.-	-36.1	10.2	-17.2	-2.8	-39.8	0.3	161.5	-10.1	23.5	-6.3	-51.2	0.9
P. cuarta +17.90	50x50	14.20/17.45	Peso propio		508.2	8.3	-9.6	3.8	-11.5	0.1	577.7	-10.7	24.6	-5.9	-57.8	1.2
				Cargas muertas	171.3	4.7	-5.8	1.6	-8.7	0.1	214.6	-5.5	12.2	-2.4	-27.4	0.6
				H 1	-0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	187.0	3.8	-3.9	1.6	-5.0	0.1	222.0	-4.5	9.4	-1.8	-21.8	0.4
				Viento +X exc.+	-27.9	12.8	-1.9	9.9	0.8	0.2	-71.4	-15.1	2.2	9.4	-1.5	0.1
				Viento +X exc.-	-29.1	12.8	-2.1	9.6	0.2	0.2	-68.8	-15.1	2.5	9.1	-2.2	0.1
				Viento -X exc.+	27.9	-12.8	1.9	-9.9	-0.8	-0.2	71.4	15.1	-2.2	-9.4	1.5	-0.1
				Viento -X exc.-	29.1	-12.8	2.1	-9.6	-0.2	-0.2	68.8	15.1	-2.5	-9.1	2.2	-0.1
				Viento +Y exc.+	-274.1	-8.4	18.8	4.4	43.3	-0.2	-36.9	9.0	-20.0	6.2	48.6	-0.5
				Viento +Y exc.-	-318.1	-8.7	23.3	8.7	54.8	-0.4	-4.6	8.4	-25.0	11.1	61.5	-0.8
				Viento -Y exc.+	-274.1	8.4	-18.8	-4.4	-43.3	0.2	-36.9	-9.0	20.0	-6.2	-48.6	0.5
				Viento -Y exc.-	-318.1	8.7	-23.3	-8.7	-54.8	0.4	-4.6	-8.4	25.0	-11.1	-61.5	0.8
P. tercera +14.30	50x50	10.60/13.85	Peso propio		580.5	8.6	-10.4	2.4	-11.6	0.2	673.4	-10.5	23.8	-5.8	-58.7	0.9
				Cargas muertas	219.1	5.0	-4.9	2.0	-5.8	0.2	247.4	-5.3	10.8	-1.2	-24.1	0.4
				H 1	0.3	-0.0	0.0	0.0	0.1	-0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	215.1	3.3	-3.3	1.5	-3.0	0.1	244.5	-4.4	8.7	-1.5	-20.6	0.3
				Viento +X exc.+	-64.0	10.5	-4.4	7.4	-5.4	0.1	-81.4	-14.2	2.2	7.7	-2.1	0.3
				Viento +X exc.-	-67.2	10.7	-4.6	7.3	-5.8	0.1	-81.6	-14.1	2.5	7.6	-2.8	0.3
				Viento -X exc.+	64.0	-10.5	4.4	-7.4	5.4	-0.1	81.4	14.2	-2.2	-7.7	2.1	-0.3
				Viento -X exc.-	67.2	-10.7	4.6	-7.3	5.8	-0.1	81.6	14.1	-2.5	-7.6	2.8	-0.3
				Viento +Y exc.+	-544.6	-8.4	21.6	5.7	48.5	-0.2	-265.1	10.2	-20.3	7.6	53.1	-0.5
				Viento +Y exc.-	-544.6	-11.5	25.7	9.1	58.5	-0.4	-296.6	9.2	-24.9	11.6	65.5	-0.9
				Viento -Y exc.+	-544.6	8.4	-21.6	-5.7	-48.5	0.2	-265.1	-10.2	20.3	-7.6	-53.1	0.5
				Viento -Y exc.-	-544.6	11.5	-25.7	-9.1	-58.5	0.4	-296.6	-9.2	24.9	-11.6	-65.5	0.9
P. segunda +10.70	50x50	5.25/10.25	Peso propio		780.7	4.0	-5.9	7.4	19.3	0.4	742.9	-9.2	22.3	-4.8	-48.6	0.9
				Cargas muertas	231.1	0.7	-2.6	0.8	0.9	0.1	288.2	-3.9	11.8	-4.2	-25.4	0.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.8	0.1	-0.1	-0.0	-0.2	0.0	0.1	0.0	-0.0	0.0	-0.0	-0.0
				Sobrecarga de uso	246.8	2.4	-2.6	1.9	2.9	0.1	268.1	-3.7	8.6	-2.1	-18.7	0.4
				Viento +X exc.+	133.6	20.5	-0.9	13.0	7.9	0.3	-100.1	-20.1	0.2	13.0	7.1	0.3
				Viento +X exc.-	112.1	20.3	-1.1	12.2	6.4	0.3	-103.5	-19.7	0.6	12.4	6.0	0.3
				Viento -X exc.+	-133.6	-20.5	0.9	-13.0	-7.9	-0.3	100.1	20.1	-0.2	-13.0	-7.1	-0.3
				Viento -X exc.-	-112.1	-20.3	1.1	-12.2	-6.4	-0.3	103.5	19.7	-0.6	-12.4	-6.0	-0.3
				Viento +Y exc.+	1155.9	-19.0	14.9	15.2	76.6	-1.1	568.9	11.9	-18.9	9.7	50.9	-0.6
				Viento +Y exc.-	1519.4	-15.7	18.4	26.9	101.2	-1.4	668.1	4.6	-23.8	19.5	67.7	-0.8
				Viento -Y exc.+	-1156	19.0	-14.9	-15.2	-76.6	1.1	-568.9	-11.9	18.9	-9.7	-50.9	0.6
				Viento -Y exc.-	-1519	15.7	-18.4	-26.9	-101.2	1.4	-668.1	-4.6	23.8	-19.5	-67.7	0.8
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	1342.2	3.9	5.0	17.4	45.6	-0.1	1063.2	-19.0	18.0	-1.1	-44.4	4.2
				Cargas muertas	388.6	-1.6	-1.3	2.4	7.5	0.3	357.7	-1.5	7.0	-3.2	-19.8	1.1
				H 1	2.6	-0.5	1.1	0.3	2.2	-0.1	-0.0	0.1	0.1	-0.1	-0.2	0.0
				Sobrecarga de uso	400.8	2.5	0.2	5.4	11.3	0.0	340.2	-8.2	7.5	-0.5	-19.1	1.4
				Viento +X exc.+	297.9	44.3	4.8	15.7	17.7	0.4	102.0	-13.2	3.9	17.0	2.8	-0.2
				Viento +X exc.-	256.6	43.6	3.6	14.8	14.9	0.4	79.9	-12.9	4.1	16.1	1.0	-0.1
				Viento -X exc.+	-297.9	-44.3	-4.8	-15.7	-17.7	-0.4	-102.0	13.2	-3.9	-17.0	-2.8	0.2
				Viento -X exc.-	-256.6	-43.6	-3.6	-14.8	-14.9	-0.4	-79.9	12.9	-4.1	-16.1	-1.0	0.1
				Viento +Y exc.+	2049.7	-22.5	62.3	27.4	131.9	-2.1	1237.8	4.1	-19.2	22.1	105.9	-1.4
				Viento +Y exc.-	2670.2	-12.0	79.4	40.4	169.8	-2.6	1607.7	0.1	-22.2	34.3	131.8	-2.1
	P. Baja +0.00	60x60	-3.60/-0.45	Viento -Y exc.+	-2050	22.5	-62.3	-27.4	-131.9	2.1	-1238	-4.1	19.2	-22.1	-105.9	1.4
				Viento -Y exc.-	-2670	12.0	-79.4	-40.4	-169.8	2.6	-1608	-0.1	22.2	-34.3	-131.8	2.1
				Peso propio	1321.7	0.4	5.9	3.6	16.1	-1.3	1468.0	-8.0	27.1	-13.8	-71.2	2.2
				Cargas muertas	421.6	-2.2	1.7	-0.6	4.1	-0.6	493.6	1.2	12.0	-8.1	-30.3	1.1
				H 1	-1.3	-0.2	0.2	-0.0	0.4	0.0	-6.4	0.3	-1.6	0.5	3.3	-0.1
				Sobrecarga de uso	393.4	0.3	1.8	1.3	5.1	-0.4	446.9	-2.9	9.5	-4.3	-24.2	0.7
				Viento +X exc.+	59.3	-16.9	-3.0	-22.1	-20.1	0.1	250.3	32.4	5.4	-21.9	-22.5	-0.2
				Viento +X exc.-	43.0	-16.4	-2.5	-20.9	-17.6	0.0	214.1	31.6	4.6	-20.8	-20.1	-0.2
				Viento -X exc.+	-59.3	16.9	3.0	22.1	20.1	-0.1	-250.3	-32.4	-5.4	21.9	22.5	0.2
				Viento -X exc.-	-43.0	16.4	2.5	20.9	17.6	-0.0	-214.1	-31.6	-4.6	20.8	20.1	0.2
	P. Casetón ascensor +35.07	HE 180 A	32.20/34.77	Viento +Y exc.+	1007.4	-1.0	-24.4	-35.3	-107.7	0.4	1826.0	-0.8	36.4	-34.0	-97.6	-0.2
				Viento +Y exc.-	1254.9	-7.4	-32.8	-53.1	-145.0	0.6	2367.9	10.8	47.9	-51.3	-132.6	-0.3
				Viento -Y exc.+	-1007	1.0	24.4	35.3	107.7	-0.4	-1826	0.8	-36.4	34.0	97.6	0.2
				Viento -Y exc.-	-1255	7.4	32.8	53.1	145.0	-0.6	-2368	-10.8	-47.9	51.3	132.6	0.3
				Peso propio	133.7	-0.0	4.7	0.0	6.7	0.0	132.8	-0.0	-12.6	0.0	6.7	0.0
				Cargas muertas	42.8	-0.1	1.5	-0.1	2.2	0.0	42.8	0.1	-4.0	-0.1	2.2	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	37.4	-0.6	1.6	-0.6	2.0	0.0	37.4	1.0	-3.6	-0.6	2.0	0.0
				Viento +X exc.+	-1.2	0.6	-0.0	0.5	-0.0	0.0	-1.2	-0.7	0.0	0.5	-0.0	0.0
				Viento +X exc.-	-1.1	0.6	0.0	0.5	0.0	0.0	-1.1	-0.7	-0.0	0.5	0.0	0.0
	P. cubierta +32.30	40x40	28.60/31.85	Viento -X exc.+	1.2	-0.6	0.0	-0.5	0.0	0.0	1.2	0.7	-0.0	-0.5	0.0	0.0
				Viento -X exc.-	1.1	-0.6	-0.0	-0.5	-0.0	0.0	1.1	0.7	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	7.5	0.1	5.6	0.0	-0.4	-0.1	-6.8	0.1	5.6	0.0
				Viento +Y exc.-	-1.5	0.3	6.0	0.3	4.6	0.0	-1.5	-0.4	-5.7	0.3	4.6	0.0
				Viento -Y exc.+	0.4	-0.0	-7.5	-0.1	-5.6	0.0	0.4	0.1	6.8	-0.1	-5.6	0.0
				Viento -Y exc.-	1.5	-0.3	-6.0	-0.3	-4.6	0.0	1.5	0.4	5.7	-0.3	-4.6	0.0
				Peso propio	66.7	-5.5	-5.8	8.7	-25.3	-0.4	284.9	-2.2	22.0	12.5	-58.3	-0.3
				Cargas muertas	-15.0	-3.2	-3.4	5.3	-16.9	-0.2	108.7	-1.2	9.7	6.0	-26.0	-0.1
				H 1	0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	68.5	-1.0	-1.9	4.5	-9.5	-0.1	225.2	-1.8	19.8	11.5	-50.8	-0.4
	P. séptima +28.70	45x50	25.00/28.25	Viento +X exc.+	2.3	3.2	0.8	3.1	1.1	0.1	21.8	-4.7	-0.7	2.7	0.1	0.1
				Viento +X exc.-	2.7	3.1	0.7	3.0	0.9	0.1	22.2	-4.6	-0.6	2.6	-0.1	0.1
				Viento -X exc.+	-2.3	-3.2	-0.8	-3.1	-1.1	-0.1	-21.8	4.7	0.7	-2.7	-0.1	-0.1
				Viento -X exc.-	-2.7	-3.1	-0.7	-3.0	-0.9	-0.1	-22.2	4.6	0.6	-2.6	0.1	-0.1
				Viento +Y exc.+	-118.5	5.2	3.4	1.9	6.8	0.3	-66.3	-1.6	-5.0	1.6	8.3	0.1
				Viento +Y exc.-	-124.8	6.9	4.2	2.9	9.4	0.3	-74.4	-3.2	-6.9	2.3	12.3	0.1
				Viento -Y exc.+	118.5	-5.2	-3.4	-1.9	-6.8	-0.3	66.3	1.6	5.0	-1.6	-8.3	-0.1
				Viento -Y exc.-	124.8	-6.9	-4.2	-2.9	-9.4	-0.3	74.4	3.2	6.9	-2.3	-12.3	-0.1
				Peso propio	175.8	-8.9	-15.3	-2.0	-26.8	-0.2	289.1	14.7	23.6	11.2	-74.3	-1.9
				Cargas muertas	42.4	-5.0	-7.5	-1.8	-12.4	-0.1	83.5	7.3	11.6	4.3	-34.9	-0.9
	P. sexta +25.10	45x50	21.40/24.65	H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	102.3	-4.4	-5.3	-1.9	-8.8	-0.1	143.1	7.4	8.6	2.9	-26.8	-0.7
				Viento +X exc.+	13.2	4.1	1.8	4.1	1.7	0.0	29.1	-7.8	-1.9	3.5	3.0	0.2
				Viento +X exc.-	13.8	4.0	1.7	4.1	1.5	0.0	30.0	-7.7	-1.8	3.4	2.5	0.2
				Viento -X exc.+	-13.2	-4.1	-1.8	-4.1	-1.7	-0.0	-29.1	7.8	1.9	-3.5	-3.0	-0.2
				Viento -X exc.-	-13.8	-4.0	-1.7	-4.1	-1.5	-0.0	-30.0	7.7	1.8	-3.4	-2.5	-0.2
				Viento +Y exc.+	-245.7	8.4	6.0	5.5	9.7	0.2	-216.4	-10.0	-14.3	-0.9	31.7	1.2
				Viento +Y exc.-	-252.9	10.3	8.0	6.8	13.3	0.2	-231.2	-12.4	-17.0	-0.4	38.8	1.3
				Viento -Y exc.+	245.7	-8.4	-6.0	-5.5	-9.7	-0.2	216.4	10.0	14.3	0.9	-31.7	-1.2
				Viento -Y exc.-	252.9	-10.3	-8.0	-6.8	-13.3	-0.2	231.2	12.4	17.0	0.4	-38.8	-1.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.7	7.2	1.8	6.9	0.2	0.0	43.8	-10.9	-2.0	6.2	0.6	0.2
				Viento +X exc.-	1.1	7.1	1.7	6.8	-0.0	0.0	44.7	-10.8	-1.8	6.2	0.3	0.2
				Viento -X exc.+	-0.7	-7.2	-1.8	-6.9	-0.2	-0.0	-43.8	10.9	2.0	-6.2	-0.6	-0.2
				Viento -X exc.-	-1.1	-7.1	-1.7	-6.8	0.0	-0.0	-44.7	10.8	1.8	-6.2	-0.3	-0.2
				Viento +Y exc.+	-163.3	5.6	10.9	-3.2	26.4	0.3	-295.9	-4.8	-17.9	-6.3	37.6	0.7
				Viento +Y exc.-	-167.7	7.7	12.9	-1.6	30.1	0.3	-308.6	-7.2	-20.7	-5.1	43.0	0.7
				Viento -Y exc.+	163.3	-5.6	-10.9	3.2	-26.4	-0.3	295.9	4.8	17.9	6.3	-37.6	-0.7
				Viento -Y exc.-	167.7	-7.7	-12.9	1.6	-30.1	-0.3	308.6	7.2	20.7	5.1	-43.0	-0.7
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	366.7	-7.1	-12.4	-1.8	-18.9	-0.3	457.3	9.7	23.7	6.6	-55.4	-1.1
				Cargas muertas	127.3	-4.2	-6.1	-1.7	-9.2	-0.1	159.4	5.2	11.1	1.8	-24.3	-0.5
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	142.9	-3.2	-4.6	-1.0	-7.0	-0.1	182.5	4.3	8.9	2.0	-20.6	-0.4
				Viento +X exc.+	-1.8	9.7	2.1	8.2	0.9	0.0	35.7	-13.7	-2.6	7.7	1.9	0.2
				Viento +X exc.-	-2.5	9.5	1.9	8.1	0.6	0.0	36.4	-13.6	-2.4	7.7	1.4	0.2
				Viento -X exc.+	1.8	-9.7	-2.1	-8.2	-0.9	-0.0	-35.7	13.7	2.6	-7.7	-1.9	-0.2
				Viento -X exc.-	2.5	-9.5	-1.9	-8.1	-0.6	-0.0	-36.4	13.6	2.4	-7.7	-1.4	-0.2
				Viento +Y exc.+	-46.1	7.5	12.8	-3.8	30.8	0.4	-210.9	-6.8	-19.6	-7.3	42.8	0.9
				Viento +Y exc.-	-29.3	9.8	15.4	-2.6	36.3	0.3	-218.1	-9.6	-23.0	-6.4	50.1	0.9
	P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	46.1	-7.5	-12.8	3.8	-30.8	-0.4	210.9	6.8	19.6	7.3	-42.8	-0.9
				Viento -Y exc.-	29.3	-9.8	-15.4	2.6	-36.3	-0.3	218.1	9.6	23.0	6.4	-50.1	-0.9
				Peso propio	494.8	-6.9	-8.6	-3.3	-10.2	-0.0	554.9	9.2	22.6	6.0	-52.9	-1.2
				Cargas muertas	173.8	-3.8	-5.1	-1.5	-7.6	-0.1	209.9	4.8	11.1	2.3	-24.8	-0.5
				H 1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	172.0	-3.3	-3.9	-1.3	-5.4	-0.0	205.3	4.0	8.7	1.9	-20.1	-0.4
				Viento +X exc.+	-11.0	13.6	2.3	10.4	-0.0	0.2	36.8	-15.7	-3.1	9.8	2.4	0.1
				Viento +X exc.-	-13.9	13.5	2.1	10.3	-0.5	0.2	36.1	-15.5	-2.9	9.8	1.9	0.1
				Viento -X exc.+	11.0	-13.6	-2.3	-10.4	0.0	-0.2	-36.8	15.7	3.1	-9.8	-2.4	-0.1
				Viento -X exc.-	13.9	-13.5	-2.1	-10.3	0.5	-0.2	-36.1	15.5	2.9	-9.8	-1.9	-0.1
	P. tercera +14.30	50x50	10.60/13.85	Viento +Y exc.+	206.9	6.5	19.8	-10.3	47.5	0.5	-72.7	-4.2	-21.4	-12.6	53.3	0.9
				Viento +Y exc.-	261.9	8.9	23.1	-9.4	54.6	0.4	-54.6	-7.3	-24.9	-11.8	61.7	0.8
				Viento -Y exc.+	-206.9	-6.5	-19.8	10.3	-47.5	-0.5	72.7	4.2	21.4	12.6	-53.3	-0.9
				Viento -Y exc.-	-261.9	-8.9	-23.1	9.4	-54.6	-0.4	54.6	7.3	24.9	11.8	-61.7	-0.8
				Peso propio	509.4	-4.1	-11.4	1.6	-16.4	-0.2	650.8	8.6	24.1	9.2	-61.5	-0.9
				Cargas muertas	195.7	-4.1	-5.5	-0.6	-8.3	-0.2	245.9	4.9	11.0	2.2	-25.4	-0.4
				H 1	0.6	0.0	0.1	-0.0	0.1	0.0	-0.1	0.0	-0.0	-0.0	0.1	0.0
				Sobrecarga de uso	194.3	-2.5	-3.4	-0.9	-3.8	-0.1	229.5	4.2	8.7	1.9	-20.6	-0.3
				Viento +X exc.+	12.9	11.3	3.6	8.4	3.8	0.1	36.5	-15.2	-3.5	8.1	3.7	0.3
				Viento +X exc.-	5.8	11.3	3.3	8.4	3.1	0.1	33.1	-15.0	-3.2	8.2	3.1	0.3
	P. segunda +10.70	50x50	5.25/10.25	Viento -X exc.+	-12.9	-11.3	-3.6	-8.4	-3.8	-0.1	-36.5	15.2	3.5	-8.1	-3.7	-0.3
				Viento -X exc.-	-5.8	-11.3	-3.3	-8.4	-3.1	-0.1	-33.1	15.0	3.2	-8.2	-3.1	-0.3
				Viento +Y exc.+	415.6	12.2	17.3	-7.2	39.1	0.5	169.6	-4.8	-21.2	-10.2	53.9	1.0
				Viento +Y exc.-	540.4	13.1	22.2	-7.4	49.9	0.5	233.6	-8.7	-25.2	-10.7	64.8	1.0
				Viento -Y exc.+	-415.6	-12.2	-17.3	7.2	-39.1	-0.5	-169.6	4.8	21.2	10.2	-53.9	-1.0
				Viento -Y exc.-	-540.4	-13.1	-22.2	7.4	-49.9	-0.5	-233.6	8.7	25.2	10.7	-64.8	-1.0
				Peso propio	742.1	0.8	-4.9	-6.7	22.2	-0.2	682.2	4.9	19.9	5.6	-44.0	-0.8
				Cargas muertas	210.6	2.2	-2.1	-0.1	1.9	0.0	267.6	1.8	11.1	4.9	-24.3	-0.5
				H 1	-1.9	0.0	-0.1	0.1	-0.3	-0.0	0.2	-0.0	0.0	0.0	-0.1	0.0
				Sobrecarga de uso	225.9	-1.1	-2.4	-1.3	2.8	-0.1	250.0	2.3	8.1	2.5	-17.9	-0.3
	P. primera +5.35	60x60	-0.10/4.90	Viento +X exc.+	-63.9	21.6	2.0	10.0	0.9	0.3	60.6	-20.0	-2.8	10.5	0.0	0.4
				Viento +X exc.-	-72.9	21.1	1.8	9.8	0.3	0.3	53.0	-19.5	-2.6	10.3	-0.3	0.4
				Viento -X exc.+	63.9	-21.6	-2.0	-10.0	-0.9	-0.3	-60.6	20.0	2.8	-10.5	-0.0	-0.4
				Viento -X exc.-	72.9	-21.1	-1.8	-9.8	-0.3	-0.3	-53.0	19.5	2.6	-10.3	0.3	-0.4
				Viento +Y exc.+	1445.1	3.1	16.9	-37.1	103.7	1.3	440.7	11.0	-22.7	-29.5	69.7	0.9
				Viento +Y exc.-	1600.7	10.8	19.6	-35.0	113.3	1.5	572.1	3.3	-25.5	-26.9	75.3	0.9
				Viento -Y exc.+	-1445	-3.1	-16.9	37.1	-103.7	-1.3	-440.7	-11.0	22.7	29.5	-69.7	-0.9
				Viento -Y exc.-	-1601	-10.8	-19.6	35.0	-113.3	-1.5	-572.1	-3.3	25.5	26.9	-75.3	-0.9
				Peso propio	1340.3	-1.5	6.6	-17.8	49.2	0.4	1021.2	14.2	15.4	1.1	-38.2	-3.9
				Cargas muertas	384.7	-1.0	-1.6	-3.2	7.0	-0.3	336.0	-0.4	5.6	2.5	-16.2	-0.9
	P. Baja +0.00	60x60	-3.60/-0.45	H 1	3.7	0.1	1.1	-0.4	2.3	0.1	-1.1	0.1	0.1	-0.1	-0.1	-0.0
				Sobrecarga de uso	388.8	-2.0	0.5	-5.5	11.8	0.0	317.5	6.8	6.8	0.5	-17.2	-1.3
				Viento +X exc.+	-92.7	45.2	2.3	11.3	-0.7	0.6	-22.1	-13.8	-6.0	13.5	9.7	-0.0
				Viento +X exc.-	-109.8	44.3	1.7	11.4	-2.0	0.6	-32.5	-13.5	-5.7	13.4	8.6	-0.0
				Viento -X exc.+	92.7	-45.2	-2.3	-11.3	0.7	-0.6	22.1	13.8	6.0	-13.5	-9.7	0.0
				Viento -X exc.-	109.8	-44.3	-1.7	-11.4	2.0	-0.6	32.5	13.5	5.7	-13.4	-8.6	0.0
				Viento +Y exc.+	2531.0	-10.3	73.2	-44.6	159.8	2.4	1501.7	6.3	-16.4	-38.8	113.2	2.1
				Viento +Y exc.-	2799.3	2.8	82.7	-45.3	178.3	2.7	1677.0	2.5	-20.4	-38.1	129.7	2.1
				Viento -Y exc.+	-2531	10.3	-73.2	44.6	-159.8	-2.4	-1502	-6.3	16.4	38.8	-113.2	-2.1
				Viento -Y exc.-	-2799	-2.8	-82.7	45.3	-178.3	-2.7	-1677	-2.5	20.4	38.1	-129.7	-2.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P23	P. cubierta +32.30	40x40	28.60/31.85	Viento -X exc.+	-26.0	16.2	0.0	17.4	-7.3	0.0	69.4	-31.3	1.2	17.5	-10.8	0.2
				Viento -X exc.-	-17.2	16.0	-0.2	17.5	-8.2	-0.0	84.7	-30.9	1.6	17.5	-11.6	0.2
				Viento +Y exc.+	1139.7	15.1	-31.2	58.4	-140.4	-0.6	2235.1	-24.6	45.8	56.8	-130.7	0.4
				Viento +Y exc.-	1275.9	12.0	-35.1	60.1	-155.3	-0.6	2474.9	-17.9	51.0	58.3	-143.3	0.4
				Viento -Y exc.+	-1140	-15.1	31.2	-58.4	140.4	0.6	-2235	24.6	-45.8	-56.8	130.7	-0.4
				Viento -Y exc.-	-1276	-12.0	35.1	-60.1	155.3	0.6	-2475	17.9	-51.0	-58.3	143.3	-0.4
				Peso propio	345.5	-22.5	-14.2	-17.0	-10.1	0.0	332.8	32.7	18.6	-17.0	-10.1	0.0
				Cargas muertas	131.0	-8.0	-8.8	-6.2	-6.2	0.0	131.0	12.1	11.2	-6.2	-6.2	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	281.4	-9.0	-13.4	-7.5	-12.3	0.0	281.4	15.2	26.6	-7.5	-12.3	0.0
				Viento +X exc.+	0.9	4.6	-0.2	3.0	-0.3	-0.0	0.9	-5.3	0.6	3.0	-0.3	-0.0
				Viento +X exc.-	0.9	4.5	-0.3	3.0	-0.3	0.0	0.9	-5.2	0.6	3.0	-0.3	0.0
				Viento -X exc.+	-0.9	-4.6	0.2	-3.0	0.3	0.0	-0.9	5.3	-0.6	-3.0	0.3	0.0
				Viento -X exc.-	-0.9	-4.5	0.3	-3.0	0.3	0.0	-0.9	5.2	-0.6	-3.0	0.3	0.0
				Viento +Y exc.+	13.4	1.6	24.4	1.2	15.7	0.0	13.4	-2.2	-26.8	1.2	15.7	0.0
				Viento +Y exc.-	13.7	2.5	27.2	1.8	17.6	-0.0	13.7	-3.3	-29.9	1.8	17.6	-0.0
				Viento -Y exc.+	-13.4	-1.6	-24.4	-1.2	-15.7	-0.0	-13.4	2.2	26.8	-1.2	-15.7	-0.0
				Viento -Y exc.-	-13.7	-2.5	-27.2	-1.8	-17.6	0.0	-13.7	3.3	29.9	-1.8	-17.6	0.0
				Peso propio	651.8	-17.2	-15.9	-10.2	-9.8	-0.0	635.7	16.0	15.8	-10.2	-9.8	-0.0
				Cargas muertas	246.9	-5.4	-8.9	-3.1	-5.5	0.0	246.9	4.7	8.8	-3.1	-5.5	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	374.8	-4.6	-2.3	-2.5	-0.6	-0.0	374.8	3.4	-0.4	-2.5	-0.6	-0.0
				Viento +X exc.+	2.3	8.1	0.3	5.9	0.2	-0.0	2.3	-11.1	-0.4	5.9	0.2	-0.0
				Viento +X exc.-	2.3	8.0	0.1	5.9	0.1	0.0	2.3	-11.0	-0.2	5.9	0.1	0.0
				Viento -X exc.+	-2.3	-8.1	-0.3	-5.9	-0.2	0.0	-2.3	11.1	0.4	-5.9	-0.2	0.0
				Viento -X exc.-	-2.3	-8.0	-0.1	-5.9	-0.1	0.0	-2.3	11.0	0.2	-5.9	-0.1	0.0
				Viento +Y exc.+	12.1	1.3	35.1	0.7	22.8	0.0	12.1	-0.8	-39.0	0.7	22.8	0.0
				Viento +Y exc.-	12.4	2.2	38.5	1.3	24.8	-0.0	12.4	-1.9	-42.2	1.3	24.8	-0.0
				Viento -Y exc.+	-12.1	-1.3	-35.1	-0.7	-22.8	-0.0	-12.1	0.8	39.0	-0.7	-22.8	-0.0
				Viento -Y exc.-	-12.4	-2.2	-38.5	-1.3	-24.8	0.0	-12.4	1.9	42.2	-1.3	-24.8	0.0
				Peso propio	959.2	-15.4	-13.4	-10.0	-8.7	0.0	943.1	17.1	14.9	-10.0	-8.7	0.0
				Cargas muertas	364.0	-4.9	-7.5	-3.2	-4.9	0.0	364.0	5.5	8.3	-3.2	-4.9	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	469.7	-4.6	-4.2	-3.1	-2.9	0.0	469.7	5.4	5.3	-3.1	-2.9	0.0
				Viento +X exc.+	4.3	10.4	0.1	7.5	0.1	-0.0	4.3	-14.0	-0.1	7.5	0.1	-0.0
				Viento +X exc.-	4.3	10.3	-0.1	7.4	-0.0	0.0	4.3	-13.9	-0.0	7.4	-0.0	0.0
				Viento -X exc.+	-4.3	-10.4	-0.1	-7.5	-0.1	0.0	-4.3	14.0	0.1	-7.5	-0.1	0.0
				Viento -X exc.-	-4.3	-10.3	0.1	-7.4	0.0	0.0	-4.3	13.9	0.0	-7.4	0.0	0.0
				Viento +Y exc.+	9.7	0.5	35.3	0.2	23.3	0.1	9.7	-0.3	-40.3	0.2	23.3	0.1
				Viento +Y exc.-	10.1	1.7	37.6	1.0	24.6	-0.0	10.1	-1.6	-42.4	1.0	24.6	-0.0
				Viento -Y exc.+	-9.7	-0.5	-35.3	-0.2	-23.3	-0.1	-9.7	0.3	40.3	-0.2	-23.3	-0.1
				Viento -Y exc.-	-10.1	-1.7	-37.6	-1.0	-24.6	0.0	-10.1	1.6	42.4	-1.0	-24.6	0.0
				Peso propio	1269.1	-17.3	-18.3	-11.1	-11.2	0.0	1249.1	18.7	18.2	-11.1	-11.2	0.0
				Cargas muertas	479.7	-5.2	-9.2	-3.4	-5.7	0.0	479.7	5.8	9.4	-3.4	-5.7	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	564.0	-4.7	-5.3	-3.0	-3.2	0.0	564.0	5.1	5.1	-3.0	-3.2	0.0
				Viento +X exc.+	6.8	14.8	0.1	10.4	0.1	-0.0	6.8	-19.0	-0.2	10.4	0.1	-0.0
				Viento +X exc.-	6.8	14.7	-0.0	10.3	0.0	0.0	6.8	-18.9	-0.1	10.3	0.0	0.0
				Viento -X exc.+	-6.8	-14.8	-0.1	-10.4	-0.1	0.0	-6.8	19.0	0.2	-10.4	-0.1	0.0
				Viento -X exc.-	-6.8	-14.7	0.0	-10.3	-0.0	-0.0	-6.8	18.9	0.1	-10.3	-0.0	-0.0
				Viento +Y exc.+	6.1	0.8	47.9	0.3	31.2	0.2	6.1	-0.2	-53.3	0.3	31.2	0.2
				Viento +Y exc.-	6.6	2.0	50.7	1.2	32.8	0.0	6.6	-1.9	-55.8	1.2	32.8	0.0
				Viento -Y exc.+	-6.1	-0.8	-47.9	-0.3	-31.2	-0.2	-6.1	0.2	53.3	-0.3	-31.2	-0.2
				Viento -Y exc.-	-6.6	-2.0	-50.7	-1.2	-32.8	-0.0	-6.6	1.9	55.8	-1.2	-32.8	-0.0
				Peso propio	1581.6	-15.6	-15.0	-9.8	-9.7	0.0	1561.7	16.3	16.7	-9.8	-9.7	0.0
				Cargas muertas	597.3	-5.7	-7.6	-3.4	-5.1	0.0	597.3	5.4	9.1	-3.4	-5.1	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	659.6	-4.1	-4.7	-2.7	-3.1	0.0	659.6	4.5	5.3	-2.7	-3.1	0.0
				Viento +X exc.+	9.6	18.2	0.2	12.0	0.1	-0.0	9.6	-20.6	-0.2	12.0	0.1	-0.0
				Viento +X exc.-	9.6	18.1	0.1	11.9	0.1	0.0	9.6	-20.5	-0.1	11.9	0.1	0.0
				Viento -X exc.+	-9.6	-18.2	-0.2	-12.0	-0.1	0.0	-9.6	20.6	0.2	-12.0	-0.1	0.0
				Viento -X exc.-	-9.6	-18.1	-0.1	-11.9	-0.1	0.0	-9.6	20.5	0.1	-11.9	-0.1	0.0
				Viento +Y exc.+	1.5	0.4	51.6	-0.2	31.7	0.2	1.5	0.9	-51.5	-0.2	31.7	0.2
				Viento +Y exc.-	2.2	1.7	53.6	0.9	32.8	0.0	2.2	-1.3	-53.0	0.9	32.8	0.0
				Viento -Y exc.+	-1.5	-0.4	-51.6	0.2	-31.7	-0.2	-1.5	-0.9	51.5	0.2	-31.7	-0.2
				Viento -Y exc.-	-2.2	-1.7	-53.6	-0.9	-32.8	-0.0	-2.2	1.3	53.0	-0.9	-32.8	-0.0
				Peso propio	1885.6	-17.6	-21.2	-10.6	-12.2	-0.0	1865.7	16.7	18.6	-10.6	-12.2	-0.0
				Cargas muertas	708.0	-2.6	-10.6	-2.3	-6.2	-0.0	708.0	4.8	9.6	-2.3	-6.2	-0.0
				H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	752.5	-4.2	-6.0	-2.6	-3.5	0.0	752.5	4.2	5.4	-2.6	-3.5	0.0
				Viento +X exc.+	13.1	20.3	0.4	13.1	0.2	-0.0	13.1	-22.2	-0.1	13.1	0.2	-0.0
				Viento +X exc.-	13.1	20.3	0.3	13.0	0.1	-0.0	13.1	-22.0	0.0	13.0	0.1	-0.0
				Viento -X exc.+	-13.1	-20.3	-0.4	-13.1	-0.2	0.0	-13.1	22.2	0.1	-13.1	-0.2	0.0
				Viento -X exc.-	-13.1	-20.3	-0.3	-13.0	-0.1	0.0	-13.1	22.0	-0.0	-13.0	-0.1	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. segunda +10.70	50x50	5.25/10.25	Viento +Y exc.+	-5.5	1.6	60.4	-0.3	35.1	0.2	-5.5	2.6	-53.7	-0.3	35.1	0.2
				Viento +Y exc.-	-4.6	2.1	62.9	0.9	36.4	0.0	-4.6	-0.8	-55.4	0.9	36.4	0.0
				Viento -Y exc.+	5.5	-1.6	-60.4	0.3	-35.1	-0.2	5.5	-2.6	53.7	0.3	-35.1	-0.2
				Viento -Y exc.-	4.6	-2.1	-62.9	-0.9	-36.4	-0.0	4.6	0.8	55.4	-0.9	-36.4	-0.0
				Peso propio	2208.3	-13.9	-10.9	-5.4	-4.5	0.0	2177.6	13.2	11.4	-5.4	-4.5	0.0
				Cargas muertas	829.8	-12.9	-4.9	-3.8	-2.3	0.0	829.8	6.2	6.6	-3.8	-2.3	0.0
				H 1	-0.2	0.1	-0.2	0.0	-0.0	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	849.1	-2.7	-3.9	-1.1	-1.6	0.0	849.1	2.7	4.2	-1.1	-1.6	0.0
				Viento +X exc.+	16.8	26.6	-0.6	10.3	-0.3	-0.0	16.8	-24.9	0.9	10.3	-0.3	-0.0
				Viento +X exc.-	16.7	26.2	-0.6	10.1	-0.3	-0.0	16.7	-24.3	0.8	10.1	-0.3	-0.0
				Viento -X exc.+	-16.8	-26.6	0.6	-10.3	0.3	0.0	-16.8	24.9	-0.9	-10.3	0.3	0.0
				Viento -X exc.-	-16.7	-26.2	0.6	-10.1	0.3	0.0	-16.7	24.3	-0.8	-10.1	0.3	0.0
	P. primera +5.35	50x100	-0.10/4.90	Viento +Y exc.+	-13.0	-8.9	39.9	-3.9	15.2	0.2	-13.0	10.5	-36.2	-3.9	15.2	0.2
				Viento +Y exc.-	-11.3	-1.8	40.0	-0.9	15.2	0.1	-11.3	2.5	-36.0	-0.9	15.2	0.1
				Viento -Y exc.+	13.0	8.9	-39.9	3.9	-15.2	-0.2	13.0	-10.5	36.2	3.9	-15.2	-0.2
				Viento -Y exc.-	11.3	1.8	-40.0	0.9	-15.2	-0.1	11.3	-2.5	36.0	0.9	-15.2	-0.1
				Peso propio	2567.1	1.8	-9.0	-2.6	-10.0	0.0	2505.8	14.8	40.9	-2.6	-10.0	0.0
				Cargas muertas	964.3	-7.7	1.3	-6.6	-1.8	0.0	964.3	25.4	10.3	-6.6	-1.8	0.0
				H 1	0.2	-0.3	2.2	-0.1	0.4	0.0	0.2	0.2	0.1	-0.1	0.4	0.0
				Sobrecarga de uso	946.8	1.9	-5.7	-0.0	-4.1	0.0	946.8	2.1	14.7	-0.0	-4.1	0.0
				Viento +X exc.+	20.2	47.3	-0.6	13.5	-0.1	-0.1	20.2	-20.4	-0.2	13.5	-0.1	-0.1
				Viento +X exc.-	20.0	46.4	-0.8	13.3	-0.1	-0.1	20.0	-20.0	-0.1	13.3	-0.1	-0.1
				Viento -X exc.+	-20.2	-47.3	0.6	-13.5	0.1	0.1	-20.2	20.4	0.2	-13.5	0.1	0.1
				Viento -X exc.-	-20.0	-46.4	0.8	-13.3	0.1	0.1	-20.0	20.0	0.1	-13.3	0.1	0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Viento +Y exc.+	-13.5	-16.7	222.7	-4.4	57.8	0.4	-13.5	5.5	-66.5	-4.4	57.8	0.4
				Viento +Y exc.-	-10.7	-4.2	226.7	-0.8	59.0	0.1	-10.7	-0.1	-68.0	-0.8	59.0	0.1
				Viento -Y exc.+	13.5	16.7	-222.7	4.4	-57.8	-0.4	13.5	-5.5	66.5	4.4	-57.8	-0.4
				Viento -Y exc.-	10.7	4.2	-226.7	0.8	-59.0	-0.1	10.7	0.1	68.0	0.8	-59.0	-0.1
				Peso propio	2858.3	12.2	-16.7	11.0	-18.6	0.0	2819.6	-22.5	42.0	11.0	-18.6	0.0
				Cargas muertas	1160.0	7.8	-2.0	7.0	-2.6	0.0	1160.0	-14.3	6.2	7.0	-2.6	0.0
				H 1	-5.9	-0.2	2.6	-0.1	2.5	0.0	-5.9	0.3	-5.2	-0.1	2.5	0.0
				Sobrecarga de uso	1033.4	3.9	-5.7	3.5	-6.2	0.0	1033.4	-7.2	13.8	3.5	-6.2	0.0
				Viento +X exc.+	20.3	-15.5	0.7	-14.2	0.5	0.0	20.3	29.2	-0.8	-14.2	0.5	0.0
				Viento +X exc.-	20.2	-15.2	0.7	-13.9	0.5	0.0	20.2	28.7	-0.9	-13.9	0.5	0.0
				Viento -X exc.+	-20.3	15.5	-0.7	14.2	-0.5	0.0	-20.3	-29.2	0.8	14.2	-0.5	0.0
				Viento -X exc.-	-20.2	15.2	-0.7	13.9	-0.5	0.0	-20.2	-28.7	0.9	13.9	-0.5	0.0
P23a	Caseton ascensor +35.07	HE 100 B	32.20/34.81	Viento +Y exc.+	-16.1	5.9	-63.8	5.2	-73.7	-0.0	-16.1	-10.6	168.5	5.2	-73.7	-0.0
				Viento +Y exc.-	-13.4	1.9	-63.8	1.5	-74.7	-0.0	-13.4	-2.9	171.3	1.5	-74.7	-0.0
				Viento -Y exc.+	16.1	-5.9	63.8	-5.2	73.7	0.0	16.1	10.6	-168.5	-5.2	73.7	0.0
				Viento -Y exc.-	13.4	-1.9	63.8	-1.5	74.7	0.0	13.4	2.9	-171.3	-1.5	74.7	0.0
				Peso propio	15.5	0.3	0.5	0.1	0.7	0.0	15.0	0.0	-1.3	0.1	0.7	0.0
				Cargas muertas	5.4	0.1	0.1	0.0	0.2	0.0	5.4	0.0	-0.4	0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	5.7	0.3	-0.0	0.1	0.2	0.0	5.7	0.0	-0.5	0.1	0.2	0.0
				Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-1.8	-0.9	2.3	0.6	-0.0
				Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-1.7	-0.3	2.1	0.1	0.0
				Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	1.8	0.9	-2.3	-0.6	0.0
				Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	1.7	0.3	-2.1	-0.1	-0.0
	P. cubierta +32.30	40x40	28.60/31.85	Viento +Y exc.+	2.5	0.0	4.1	0.1	3.1	0.0	2.5	-0.1	-3.9	0.1	3.1	0.0
				Viento +Y exc.-	2.7	0.3	4.6	0.2	3.5	-0.0	2.7	-0.3	-4.4	0.2	3.5	-0.0
				Viento -Y exc.+	-2.5	0.0	-4.1	-0.1	-3.1	0.0	-2.5	0.1	3.9	-0.1	-3.1	0.0
				Viento -Y exc.-	-2.7	-0.3	-4.6	-0.2	-3.5	0.0	-2.7	0.3	4.4	-0.2	-3.5	0.0
				Peso propio	332.7	13.0	-16.1	8.5	-12.0	0.0	319.9	-14.4	22.9	8.5	-12.0	0.0
				Cargas muertas	128.0	5.8	-8.8	4.1	-6.2	0.0	128.0	-7.3	11.2	4.1	-6.2	0.0
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	267.0	8.6	-14.2	7.0	-12.9	0.0	267.0	-14.3	27.8	7.0	-12.9	0.0
				Viento +X exc.+	0.3	5.8	-0.4	4.0	-0.4	-0.0	0.3	-7.0	0.9	4.0	-0.4	-0.0
				Viento +X exc.-	0.3	5.8	-0.4	4.0	-0.4	0.0	0.3	-7.0	0.8	4.0	-0.4	0.0
				Viento -X exc.+	-0.3	-5.8	0.4	-4.0	0.4	0.0	-0.3	7.0	-0.9	-4.0	0.4	0.0
				Viento -X exc.-	-0.3	-5.8	0.4	-4.0	0.4	0.0	-0.3	7.0	-0.8	-4.0	0.4	0.0
P24	P. séptima +28.70	45x45	25.00/28.25	Viento +Y exc.+	7.1	-0.7	26.0	-0.6	17.2	0.0	7.1	1.1	-30.0	-0.6	17.2	0.0
				Viento +Y exc.-	7.1	0.1	27.6	-0.1	18.2	-0.0	7.1	0.3	-31.5	-0.1	18.2	-0.0
				Viento -Y exc.+	-7.1	0.7	-26.0	0.6	-17.2	-0.0	-7.1	-1.1	30.0	0.6	-17.2	-0.0
				Viento -Y exc.-	-7.1	-0.1	-27.6	0.1	-18.2	0.0	-7.1	-0.3	31.5	0.1	-18.2	0.0
				Peso propio	620.3	17.5	-15.6	11.0	-9.4	-0.0	604.1	-18.1	15.1	11.0	-9.4	-0.0
				Cargas muertas	239.4	6.6	-8.9	4.1	-5.4	0.0	239.4	-6.6	8.7	4.1	-5.4	0.0
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	359.2	4.5	-3.1	2.4	-1.1	-0.0	359.2	-3.4	0.4	2.4	-1.1	-0.0
				Viento +X exc.+	0.1	9.5	0.2	6.7	0.2	-0.0	0.1	-12.3	-0.3	6.7	0.2	-0.0
				Viento +X exc.-	0.1	9.4	0.1	6.7	0.1	0.0	0.1	-12.2	-0.2	6.7	0.1	0.0
				Viento -X exc.+	-0.1	-9.5	-0.2	-6.7	-0.2	0.0	-0.1	12.3	0.3	-6.7	-0.2	0.0
				Viento -X exc.-	-0.1	-9.4	-0.1	-6.7	-0.1	0.0	-0.1	12.2	0.2	-6.7	-0.1	0.0
				Viento +Y exc.+	4.3	-0.6	36.1	-0.5	23.6	0.0	4.3	0.9	-40.6	-0.5	23.6	0.0
				Viento +Y exc.-	4.0	0.1	37.7	0.0	24.4	-0.0	4.0	-0.0	-41.5	0.0	24.4	-0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. sexta +25.10	45x45	21.40/24.65		Viento -Y exc.+	-4.3	0.6	-36.1	0.5	-23.6	-0.0	-4.3	-0.9	40.6	0.5	-23.6	-0.0
				Viento -Y exc.-	-4.0	-0.1	-37.7	-0.0	-24.4	0.0	-4.0	0.0	41.5	-0.0	-24.4	0.0
				Peso propio	908.5	14.7	-13.5	9.4	-8.7	0.0	892.4	-15.9	15.0	9.4	-8.7	0.0
				Cargas muertas	351.6	5.8	-7.4	3.7	-4.8	0.0	351.6	-6.3	8.2	3.7	-4.8	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	452.0	4.7	-4.8	3.1	-3.3	0.0	452.0	-5.3	5.9	3.1	-3.3	0.0
				Viento +X exc.+	-0.1	12.2	-0.0	8.6	-0.0	-0.0	-0.1	-15.7	0.0	8.6	-0.0	-0.0
				Viento +X exc.-	-0.0	12.1	-0.0	8.5	0.0	0.0	-0.0	-15.6	-0.0	8.5	0.0	0.0
				Viento -X exc.+	0.1	-12.2	0.0	-8.6	0.0	0.0	0.1	15.7	-0.0	-8.6	0.0	0.0
				Viento -X exc.-	0.0	-12.1	0.0	-8.5	-0.0	0.0	0.0	15.6	0.0	-8.5	-0.0	0.0
P. quinta +21.50	50x50	17.80/21.05		Viento +Y exc.+	0.0	-1.4	38.1	-1.0	25.3	0.1	0.0	1.9	-44.2	-1.0	25.3	0.1
				Viento +Y exc.-	-0.3	-0.3	37.9	-0.3	25.0	-0.0	-0.3	0.5	-43.2	-0.3	25.0	-0.0
				Viento -Y exc.+	-0.0	1.4	-38.1	1.0	-25.3	-0.1	-0.0	-1.9	44.2	1.0	-25.3	-0.1
				Viento -Y exc.-	0.3	0.3	-37.9	0.3	-25.0	0.0	0.3	-0.5	43.2	0.3	-25.0	0.0
				Peso propio	1198.7	19.2	-18.2	12.0	-11.1	0.0	1178.8	-19.7	18.0	12.0	-11.1	0.0
				Cargas muertas	462.3	7.5	-9.2	4.6	-5.7	0.0	462.3	-7.6	9.2	4.6	-5.7	0.0
				H 1	-0.1	-0.0	0.0	-0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	543.9	5.9	-6.1	3.7	-3.7	0.0	543.9	-6.0	5.9	3.7	-3.7	0.0
				Viento +X exc.+	-0.2	17.5	0.0	12.1	0.0	-0.0	-0.2	-21.7	-0.1	12.1	0.0	-0.0
				Viento +X exc.-	-0.2	17.4	0.1	12.0	0.1	0.0	-0.2	-21.6	-0.2	12.0	0.1	0.0
P. cuarta +17.90	50x50	14.20/17.45		Viento -X exc.+	0.2	-17.5	-0.0	-12.1	-0.0	0.0	0.2	21.7	0.1	-12.1	-0.0	0.0
				Viento -X exc.-	0.2	-17.4	-0.1	-12.0	-0.1	-0.0	0.2	21.6	0.2	-12.0	-0.1	-0.0
				Viento +Y exc.+	-5.7	-1.8	51.7	-1.3	33.9	0.2	-5.7	2.5	-58.3	-1.3	33.9	0.2
				Viento +Y exc.-	-5.9	-0.6	51.0	-0.4	33.1	0.0	-5.9	0.8	-56.6	-0.4	33.1	0.0
				Viento -Y exc.+	5.7	1.8	-51.7	1.3	-33.9	-0.2	5.7	-2.5	58.3	1.3	-33.9	-0.2
				Viento -Y exc.-	5.9	0.6	-51.0	0.4	-33.1	-0.0	5.9	-0.8	56.6	0.4	-33.1	-0.0
				Peso propio	1490.3	16.0	-14.5	10.0	-9.5	0.0	1470.4	-16.7	16.4	10.0	-9.5	0.0
				Cargas muertas	574.3	6.1	-6.8	3.9	-4.8	0.0	574.3	-6.4	8.8	3.9	-4.8	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	636.3	4.9	-5.3	3.1	-3.4	0.0	636.3	-5.1	5.9	3.1	-3.4	0.0
P. tercera +14.30	50x50	10.60/13.85		Viento +X exc.+	-0.4	21.3	0.2	13.8	0.1	-0.0	-0.4	-23.5	0.0	13.8	0.1	-0.0
				Viento +X exc.-	-0.4	21.2	0.3	13.7	0.1	0.0	-0.4	-23.4	-0.1	13.7	0.1	0.0
				Viento -X exc.+	0.4	-21.3	-0.2	-13.8	-0.1	0.0	0.4	23.5	-0.0	-13.8	-0.1	0.0
				Viento -X exc.-	0.4	-21.2	-0.3	-13.7	-0.1	0.0	0.4	23.4	0.1	-13.7	-0.1	0.0
				Viento +Y exc.+	-12.3	-1.9	57.6	-1.6	35.4	0.2	-12.3	3.4	-57.5	-1.6	35.4	0.2
				Viento +Y exc.-	-12.3	-0.4	55.3	-0.5	33.8	0.0	-12.3	1.1	-54.7	-0.5	33.8	0.0
				Viento -Y exc.+	12.3	1.9	-57.6	1.6	-35.4	-0.2	12.3	-3.4	57.5	1.6	-35.4	-0.2
				Viento -Y exc.-	12.3	0.4	-55.3	0.5	-33.8	-0.0	12.3	-1.1	54.7	0.5	-33.8	-0.0
				Peso propio	1774.8	22.7	-21.8	12.6	-12.6	-0.0	1754.9	-18.1	19.0	12.6	-12.6	-0.0
				Cargas muertas	681.1	8.6	-11.3	4.7	-6.5	-0.0	681.1	-6.8	9.7	4.7	-6.5	-0.0
P. segunda +10.70	50x50	5.25/10.25		H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	726.2	6.7	-6.8	3.7	-4.0	0.0	726.2	-5.4	6.1	3.7	-4.0	0.0
				Viento +X exc.+	-0.7	23.9	0.4	15.2	0.0	-0.0	-0.7	-25.6	0.3	15.2	0.0	-0.0
				Viento +X exc.-	-0.7	23.8	0.5	15.1	0.1	-0.0	-0.7	-25.4	0.1	15.1	0.1	-0.0
				Viento -X exc.+	0.7	-23.9	-0.4	-15.2	-0.0	0.0	0.7	25.6	-0.3	-15.2	-0.0	0.0
				Viento -X exc.-	0.7	-23.8	-0.5	-15.1	-0.1	0.0	0.7	25.4	-0.1	-15.1	-0.1	0.0
				Viento +Y exc.+	-23.1	-1.3	67.4	-1.9	39.4	0.2	-23.1	5.0	-60.7	-1.9	39.4	0.2
				Viento +Y exc.-	-22.6	-0.3	64.9	-0.5	37.8	0.0	-22.6	1.3	-57.8	-0.5	37.8	0.0
				Viento -Y exc.+	23.1	1.3	-67.4	1.9	-39.4	-0.2	23.1	-5.0	60.7	1.9	-39.4	-0.2
				Viento -Y exc.-	22.6	0.3	-64.9	0.5	-37.8	-0.0	22.6	-1.3	57.8	0.5	-37.8	-0.0
P. primera +5.35	50x100	-0.10/4.90		Peso propio	2074.9	15.6	-10.9	6.5	-4.3	0.0	2044.2	-16.9	10.9	6.5	-4.3	0.0
				Cargas muertas	794.7	5.3	-4.9	2.3	-2.3	0.0	794.7	-6.3	6.7	2.3	-2.3	0.0
				H 1	-0.2	0.1	-0.2	0.0	-0.0	0.0	-0.2	-0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	817.3	4.6	-4.3	1.9	-1.8	0.0	817.3	-5.1	4.6	1.9	-1.8	0.0
				Viento +X exc.+	-0.9	28.9	-1.5	11.2	-0.7	-0.0	-0.9	-27.2	2.1	11.2	-0.7	-0.0
				Viento +X exc.-	-0.9	28.4	-1.3	11.0	-0.6	-0.0	-0.9	-26.6	1.8	11.0	-0.6	-0.0
				Viento -X exc.+	0.9	-28.9	1.5	-11.2	0.7	0.0	0.9	27.2	-2.1	-11.2	0.7	0.0
				Viento -X exc.-	0.9	-28.4	1.3	-11.0	0.6	0.0	0.9	26.6	-1.8	-11.0	0.6	0.0
				Viento +Y exc.+	-33.7	-10.2	46.0	-4.5	17.7	0.2	-33.7	12.3	-42.5	-4.5	17.7	0.2
				Viento +Y exc.-	-32.6	-2.6	42.4	-1.3	16.2	0.1	-32.6	3.8	-38.8	-1.3	16.2	0.1
P. primera +5.35	50x100	-0.10/4.90		Viento -Y exc.+	33.7	10.2	-46.0	4.5	-17.7	-0.2	33.7	-12.3	42.5	4.5	-17.7	-0.2
				Viento -Y exc.-	32.6	2.6	-42.4	1.3	-16.2	-0.1	32.6	-3.8	38.8	1.3	-16.2	-0.1
				Peso propio	2401.3	20.8	-1.0	8.9	-7.4	0.0	2340.0	-24.0	38.2	8.9	-7.4	0.0
				Cargas muertas	952.1	5.7	-2.1	2.4	-2.5	0.0	952.1	-6.4	10.4	2.4	-2.5	0.0
				H 1	0.2	-0.3	2.1	-0.1	0.4	0.0	0.2	0.2	0.2	-0.1	0.4	0.0
				Sobrecarga de uso	905.6	6.9	-3.1	2.9	-3.7	0.0	905.6	-7.4	15.2	2.9	-3.7	0.0
				Viento +X exc.+	-0.9	48.8	-6.6	14.4	-1.5	-0.1	-0.9	-23.3	0.7	14.4	-1.5	-0.1
				Viento +X exc.-	-0.9	47.9	-5.3	14.2	-1.1	-0.1	-0.9	-22.9	0.4	14.2	-1.1	-0.1
				Viento -X exc.+	0.9	-48.8	6.6	-14.4	1.5	0.1	0.9	23.3	-0.7	-14.4	1.5	0.1
				Viento -X exc.-	0.9	-47.9	5.3	-14.2	1.1	0.1	0.9	22.9	-0.4	-14.2	1.1	0.1
P. primera +5.35	50x100	-0.10/4.90		Viento +Y exc.+	-37.3	-17.1	254.1	-4.7	65.8	0.4	-37.3	6.4	-74.6	-4.7	65.8	0.4
				Viento +Y exc.-	-35.8	-4.2	237.6	-0.9	61.7	0.1	-35.8	0.3	-70.8	-0.9	61.7	0.1
				Viento -Y exc.+	37.3	17.1	-254.1	4.7	-65.8	-0.4	37.3	-6.4	74.6	4.7	-65.8	-0.4
				Viento -Y exc.-	35.8	4.2	-237.6	0.9	-61.7	-0.1	35.8	-0.3	70.8	0.9	-61.7	-0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2705.0	9.8	-12.0	8.9	-14.0	0.0	2666.4	-18.1	32.2	8.9	-14.0	0.0
				Cargas muertas	1152.8	2.8	-7.2	2.5	-7.7	0.0	1152.8	-5.2	17.0	2.5	-7.7	0.0
				H 1	-6.1	-0.2	2.6	-0.1	2.4	0.0	-6.1	0.2	-5.0	-0.1	2.4	0.0
				Sobrecarga de uso	995.5	3.8	-3.8	3.4	-4.4	0.0	995.5	-7.0	9.9	3.4	-4.4	0.0
				Viento +X exc.+	-0.6	-15.6	2.7	-14.3	2.5	0.0	-0.6	29.4	-5.1	-14.3	2.5	0.0
				Viento +X exc.-	-0.6	-15.3	2.1	-14.0	2.0	0.0	-0.6	28.9	-4.1	-14.0	2.0	0.0
				Viento -X exc.+	0.6	15.6	-2.7	14.3	-2.5	0.0	0.6	-29.4	5.1	14.3	-2.5	0.0
				Viento -X exc.-	0.6	15.3	-2.1	14.0	-2.0	0.0	0.6	-28.9	4.1	14.0	-2.0	0.0
				Viento +Y exc.+	-36.8	6.2	-72.5	5.5	-82.1	-0.0	-36.8	-11.0	186.0	5.5	-82.1	-0.0
				Viento +Y exc.-	-35.4	2.1	-65.4	1.7	-75.8	-0.0	-35.4	-3.3	173.4	1.7	-75.8	-0.0
				Viento -Y exc.+	36.8	-6.2	72.5	-5.5	82.1	0.0	36.8	11.0	-186.0	-5.5	82.1	0.0
				Viento -Y exc.-	35.4	-2.1	65.4	-1.7	75.8	0.0	35.4	3.3	-173.4	-1.7	75.8	0.0
P24a	Caseton ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.5	0.2	0.3	0.1	0.5	0.0	12.9	0.0	-1.1	0.1	0.5	0.0
				Cargas muertas	4.4	0.1	0.1	0.0	0.2	0.0	4.4	0.0	-0.4	0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.5	0.2	-0.1	0.0	0.1	0.0	4.5	0.0	-0.3	0.0	0.1	0.0
				Viento +X exc.+	-2.0	4.1	0.6	2.3	0.6	-0.0	-2.0	-1.8	-0.9	2.3	0.6	-0.0
				Viento +X exc.-	-2.2	3.7	-0.0	2.1	0.1	0.0	-2.2	-1.6	-0.3	2.1	0.1	0.0
				Viento -X exc.+	2.0	-4.1	-0.6	-2.3	-0.6	0.0	2.0	1.8	0.9	-2.3	-0.6	0.0
				Viento -X exc.-	2.2	-3.7	0.0	-2.1	-0.1	-0.0	2.2	1.6	0.3	-2.1	-0.1	-0.0
				Viento +Y exc.+	2.8	-0.0	4.2	0.0	3.1	0.0	2.8	-0.1	-4.0	0.0	3.1	0.0
				Viento +Y exc.-	3.0	0.3	4.7	0.2	3.5	-0.0	3.0	-0.3	-4.5	0.2	3.5	-0.0
				Viento -Y exc.+	-2.8	0.0	-4.2	-0.0	-3.1	0.0	-2.8	0.1	4.0	-0.0	-3.1	0.0
				Viento -Y exc.-	-3.0	-0.3	-4.7	-0.2	-3.5	0.0	-3.0	0.3	4.5	-0.2	-3.5	0.0
P25	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	358.8	-0.4	0.8	-0.3	0.1	0.0	346.0	0.5	0.3	-0.3	0.1	0.0
				Cargas muertas	141.0	-0.1	-1.2	-0.1	-0.6	0.0	141.0	0.2	0.9	-0.1	-0.6	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	307.1	-0.1	-1.1	-0.1	-1.5	0.0	307.1	0.3	3.7	-0.1	-1.5	0.0
				Viento +X exc.+	-0.4	5.3	-0.0	2.9	0.0	-0.0	-0.4	-4.2	-0.0	2.9	0.0	-0.0
				Viento +X exc.-	-0.4	5.2	-0.0	2.9	0.0	0.0	-0.4	-4.2	-0.0	2.9	0.0	0.0
				Viento -X exc.+	0.4	-5.3	0.0	-2.9	-0.0	0.0	0.4	4.2	0.0	-2.9	-0.0	0.0
				Viento -X exc.-	0.4	-5.2	0.0	-2.9	-0.0	0.0	0.4	4.2	0.0	-2.9	-0.0	0.0
				Viento +Y exc.+	6.1	-0.0	21.9	-0.0	11.3	0.0	6.1	0.1	-14.8	-0.0	11.3	0.0
				Viento +Y exc.-	5.9	0.6	22.1	0.3	11.3	-0.0	5.9	-0.4	-14.7	0.3	11.3	-0.0
				Viento -Y exc.+	-6.1	0.0	-21.9	0.0	-11.3	-0.0	-6.1	-0.1	14.8	0.0	-11.3	-0.0
				Viento -Y exc.-	-5.9	-0.6	-22.1	-0.3	-11.3	0.0	-5.9	0.4	14.7	-0.3	-11.3	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	680.4	0.3	0.3	0.3	0.2	-0.0	664.2	-0.5	-0.4	0.3	0.2	-0.0
				Cargas muertas	270.9	0.1	-1.6	0.1	-1.0	0.0	270.9	-0.2	1.5	0.1	-1.0	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	412.1	0.0	1.7	0.0	1.3	-0.0	412.1	-0.1	-2.5	0.0	1.3	-0.0
				Viento +X exc.+	-0.5	10.3	0.2	7.2	0.1	-0.0	-0.5	-13.2	-0.2	7.2	0.1	-0.0
				Viento +X exc.-	-0.5	10.2	0.2	7.2	0.1	0.0	-0.5	-13.1	-0.3	7.2	0.1	0.0
				Viento -X exc.+	0.5	-10.3	-0.2	-7.2	-0.1	0.0	0.5	13.2	0.2	-7.2	-0.1	0.0
				Viento -X exc.-	0.5	-10.2	-0.2	-7.2	-0.1	0.0	0.5	13.1	0.3	-7.2	-0.1	0.0
				Viento +Y exc.+	5.9	-0.1	41.1	-0.2	27.3	0.0	5.9	0.5	-47.8	-0.2	27.3	0.0
				Viento +Y exc.-	5.5	0.8	40.4	0.4	26.6	-0.0	5.5	-0.7	-46.0	0.4	26.6	-0.0
				Viento -Y exc.+	-5.9	0.1	-41.1	0.2	-27.3	-0.0	-5.9	-0.5	47.8	0.2	-27.3	-0.0
				Viento -Y exc.-	-5.5	-0.8	-40.4	-0.4	-26.6	0.0	-5.5	0.7	46.0	-0.4	-26.6	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	1003.3	0.3	0.9	0.2	0.4	0.0	987.2	-0.3	-0.6	0.2	0.4	0.0
				Cargas muertas	401.8	0.2	-0.8	0.1	-0.6	0.0	401.8	-0.2	1.1	0.1	-0.6	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	518.2	0.0	0.9	0.0	0.4	0.0	518.2	-0.0	-0.5	0.0	0.4	0.0
				Viento +X exc.+	-0.6	12.9	0.0	9.0	0.0	-0.0	-0.6	-16.4	-0.0	9.0	0.0	-0.0
				Viento +X exc.-	-0.6	12.8	0.2	9.0	0.1	0.0	-0.6	-16.3	-0.3	9.0	0.1	0.0
				Viento -X exc.+	0.6	-12.9	-0.0	-9.0	-0.0	0.0	0.6	16.4	0.0	-9.0	-0.0	0.0
				Viento -X exc.-	0.6	-12.8	-0.2	-9.0	-0.1	0.0	0.6	16.3	0.3	-9.0	-0.1	0.0
				Viento +Y exc.+	4.6	-0.8	43.4	-0.6	28.8	0.1	4.6	1.2	-50.3	-0.6	28.8	0.1
				Viento +Y exc.-	4.3	0.4	40.4	0.2	26.6	-0.0	4.3	-0.2	-45.9	0.2	26.6	-0.0
				Viento -Y exc.+	-4.6	0.8	-43.4	0.6	-28.8	-0.1	-4.6	-1.2	50.3	0.6	-28.8	-0.1
				Viento -Y exc.-	-4.3	-0.4	-40.4	-0.2	-26.6	0.0	-4.3	0.2	45.9	-0.2	-26.6	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1329.4	0.8	-0.2	0.4	0.2	0.0	1309.5	-0.7	-0.8	0.4	0.2	0.0
				Cargas muertas	531.6	0.3	-0.8	0.2	-0.4	0.0	531.6	-0.2	0.5	0.2	-0.4	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	624.0	0.2	0.7	0.1	0.5	0.0	624.0	-0.1	-1.1	0.1	0.5	0.0
				Viento +X exc.+	-0.7	18.8	0.2	12.9	0.1	-0.0	-0.7	-23.0	-0.2	12.9	0.1	-0.0
				Viento +X exc.-	-0.7	18.7	0.5	12.8	0.3	0.0	-0.7	-22.9	-0.5	12.8	0.3	0.0
				Viento -X exc.+	0.7	-18.8	-0.2	-12.9	-0.1	0.0	0.7	23.0	0.2	-12.9	-0.1	0.0
				Viento -X exc.-	0.7	-18.7	-0.5	-12.8	-0.3	-0.0	0.7	22.9	0.5	-12.8	-0.3	-0.0
				Viento +Y exc.+	2.6	-0.9	60.4	-0.8	39.5	0.2	2.6	1.6	-68.1	-0.8	39.5	0.2
				Viento +Y exc.-	2.4	0.4	55.5	0.2	36.0	0.0	2.4	-0.2	-61.6	0.2	36.0	0.0
				Viento -Y exc.+	-2.6	0.9	-60.4	0.8	-39.5	-0.2	-2.6	-1.6	68.1	0.8	-39.5	-0.2
				Viento -Y exc.-	-2.4	-0.4	-55.5	-0.2	-36.0	-0.0	-2.4	0.2	61.6	-0.2	-36.0	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1658.3	0.7	2.6	0.3	1.0	0.0	1638.4	-0.2	-0.6	0.3	1.0	0.0
				Cargas muertas	663.3	0.3	1.1	0.1	0.0	0.0	663.3	0.0	1.1	0.1	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	731.1	0.1	1.2	0.0	0.5	0.0	731.1	0.1	-0.6	0.0	0.5	0.0
				Viento +X exc.+	-0.9	22.6	0.2	14.6	0.0	-0.0	-0.9	-24.8	0.1	14.6	0.0	-0.0
				Viento +X exc.-	-0.9	22.5	0.6	14.5	0.3	0.0	-0.9	-24.7	-0.3	14.5	0.3	0.0
				Viento -X exc.+	0.9	-22.6	-0.2	-14.6	-0.0	0.0	0.9	24.8	-0.1	-14.6	-0.0	0.0
				Viento -X exc.-	0.9	-22.5	-0.6	-14.5	-0.3	0.0	0.9	24.7	0.3	-14.5	-0.3	0.0
				Viento +Y exc.+	0.1	-1.2	66.5	-1.2	41.3	0.2	0.1	2.5	-67.7	-1.2	41.3	0.2
				Viento +Y exc.-	0.3	0.3	59.4	0.0	36.7	0.0	0.3	0.2	-59.8	0.0	36.7	0.0
				Viento -Y exc.+	-0.1	1.2	-66.5	1.2	-41.3	-0.2	-0.1	-2.5	67.7	1.2	-41.3	-0.2
				Viento -Y exc.-	-0.3	-0.3	-59.4	-0.0	-36.7	-0.0	-0.3	-0.2	59.8	-0.0	-36.7	-0.0
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1980.3	-1.0	0.5	-0.4	0.2	-0.0	1960.4	0.3	0.0	-0.4	0.2	-0.0
				Cargas muertas	789.7	-0.5	-1.5	-0.2	-0.9	-0.0	789.7	0.3	1.3	-0.2	-0.9	-0.0
				H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	835.9	-0.5	1.6	-0.2	0.9	0.0	835.9	0.3	-1.2	-0.2	0.9	0.0
				Viento +X exc.+	-0.9	26.7	0.3	16.7	-0.2	-0.0	-0.9	-27.6	0.8	16.7	-0.2	-0.0
				Viento +X exc.-	-1.0	26.6	0.8	16.6	0.1	-0.0	-1.0	-27.3	0.4	16.6	0.1	-0.0
				Viento -X exc.+	0.9	-26.7	-0.3	-16.7	0.2	0.0	0.9	27.6	-0.8	-16.7	0.2	0.0
				Viento -X exc.-	1.0	-26.6	-0.8	-16.6	-0.1	0.0	1.0	-27.3	-0.4	-16.6	-0.1	0.0
				Viento +Y exc.+	-6.8	-0.9	82.1	-1.7	47.5	0.2	-6.8	4.6	-72.2	-1.7	47.5	0.2
				Viento +Y exc.-	-5.8	0.5	73.3	-0.0	42.2	0.0	-5.8	0.7	-63.8	-0.0	42.2	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento -Y exc.+	6.8	0.9	-82.1	1.7	-47.5	-0.2	6.8	-4.6	72.2	1.7	-47.5	-0.2
				Viento -Y exc.-	5.8	-0.5	-73.3	0.0	-42.2	-0.0	5.8	-0.7	63.8	0.0	-42.2	-0.0
				Peso propio	2320.5	-1.8	0.4	-0.7	0.9	0.0	2289.8	1.6	-4.2	-0.7	0.9	0.0
				Cargas muertas	925.3	-1.1	0.6	-0.4	0.1	0.0	925.3	0.7	-0.1	-0.4	0.1	0.0
				H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
				Sobrecarga de uso	943.6	-0.9	-0.4	-0.3	0.1	0.0	943.6	0.6	-0.7	-0.3	0.1	0.0
				Viento +X exc.+	-0.9	31.6	-2.9	12.3	-1.3	-0.0	-0.9	-29.8	3.5	12.3	-1.3	-0.0
				Viento +X exc.-	-1.0	31.0	-2.3	12.0	-1.0	-0.0	-1.0	-29.2	2.9	12.0	-1.0	-0.0
				Viento -X exc.+	0.9	-31.6	2.9	-12.3	1.3	0.0	0.9	29.8	-3.5	-12.3	1.3	0.0
				Viento -X exc.-	1.0	-31.0	2.3	-12.0	1.0	0.0	1.0	-29.2	-2.9	-12.0	1.0	0.0
	P. primera +5.35	50x100	-0.10/4.90	Viento +Y exc.+	-12.4	-11.6	58.1	-4.9	22.7	0.2	-12.4	12.9	-55.5	-4.9	22.7	0.2
				Viento +Y exc.-	-10.6	-3.3	49.8	-1.4	19.4	0.1	-10.6	3.8	-47.3	-1.4	19.4	0.1
				Viento -Y exc.+	12.4	11.6	-58.1	4.9	-22.7	-0.2	12.4	-12.9	55.5	4.9	-22.7	-0.2
				Viento -Y exc.-	10.6	3.3	-49.8	1.4	-19.4	-0.1	10.6	-3.8	47.3	1.4	-19.4	-0.1
				Peso propio	2695.6	-0.4	38.9	-0.7	9.1	0.0	2634.3	2.8	-6.8	-0.7	9.1	0.0
				Cargas muertas	1090.1	-1.8	18.8	-0.9	6.8	0.0	1090.1	2.9	-15.1	-0.9	6.8	0.0
				H 1	0.3	-0.2	2.1	-0.1	0.4	0.0	0.3	0.2	0.1	-0.1	0.4	0.0
				Sobrecarga de uso	1049.7	-1.0	9.6	-0.6	2.0	0.0	1049.7	1.9	-0.3	-0.6	2.0	0.0
				Viento +X exc.+	-1.5	51.1	-13.8	15.7	-3.7	-0.1	-1.5	-27.3	4.6	15.7	-3.7	-0.1
				Viento +X exc.-	-1.5	50.1	-10.9	15.4	-2.9	-0.1	-1.5	-26.8	3.6	15.4	-2.9	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Viento -X exc.+	1.5	-51.1	13.8	-15.7	3.7	0.1	1.5	27.3	-4.6	-15.7	3.7	0.1
				Viento -X exc.-	1.5	-50.1	10.9	-15.4	2.9	0.1	1.5	26.8	-3.6	-15.4	2.9	0.1
				Viento +Y exc.+	-6.4	-18.8	296.1	-5.7	80.8	0.4	-6.4	9.7	-108.0	-5.7	80.8	0.4
				Viento +Y exc.-	-5.4	-5.2	257.0	-1.5	70.4	0.1	-5.4	2.3	-94.7	-1.5	70.4	0.1
				Viento -Y exc.+	6.4	18.8	-296.1	5.7	-80.8	-0.4	6.4	-9.7	108.0	5.7	-80.8	-0.4
				Viento -Y exc.-	5.4	5.2	-257.0	1.5	-70.4	-0.1	5.4	-2.3	94.7	1.5	-70.4	-0.1
				Peso propio	3049.9	0.8	-0.8	0.7	-3.0	0.0	3011.2	-1.6	8.6	0.7	-3.0	0.0
				Cargas muertas	1281.7	-0.4	-0.8	-0.4	-1.4	0.0	1281.7	0.7	3.7	-0.4	-1.4	0.0
				H 1	-6.5	-0.0	2.6	0.0	2.4	0.0	-6.5	-0.1	-5.0	0.0	2.4	0.0
				Sobrecarga de uso	1155.0	-0.0	0.1	0.0	-0.5	0.0	1155.0	-0.0	1.7	0.0	-0.5	0.0
	P. cubierta +32.30	40x40	28.60/31.85	Viento +X exc.+	-1.7	-15.4	4.9	-14.1	4.7	0.0	-1.7	29.1	-9.9	-14.1	4.7	0.0
				Viento +X exc.-	-1.7	-15.1	3.9	-13.9	3.7	0.0	-1.7	28.5	-7.9	-13.9	3.7	0.0
				Viento -X exc.+	1.7	15.4	-4.9	14.1	-4.7	0.0	1.7	-29.1	9.9	14.1	-4.7	0.0
				Viento -X exc.-	1.7	15.1	-3.9	13.9	-3.7	0.0	1.7	-28.5	7.9	13.9	-3.7	0.0
				Viento +Y exc.+	-2.7	6.2	-83.5	5.5	-92.7	-0.0	-2.7	-11.0	208.5	5.5	-92.7	-0.0
				Viento +Y exc.-	-2.3	2.2	-69.2	1.8	-79.2	-0.0	-2.3	-3.4	180.2	1.8	-79.2	-0.0
				Viento -Y exc.+	2.7	-6.2	83.5	-5.5	92.7	0.0	2.7	11.0	-208.5	-5.5	92.7	0.0
				Viento -Y exc.-	2.3	-2.2	69.2	-1.8	79.2	0.0	2.3	3.4	-180.2	-1.8	79.2	0.0
				Peso propio	341.1	-5.0	-9.0	-2.2	-6.7	0.0	328.4	2.3	12.7	-2.2	-6.7	0.0
				Cargas muertas	133.8	-3.6	-6.0	-2.2	-4.2	0.0	133.8	3.7	7.7	-2.2	-4.2	0.0
	P. séptima +28.70	45x45	25.00/28.25	H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	278.7	-5.3	-10.0	-4.2	-9.5	0.0	278.7	8.5	20.9	-4.2	-9.5	0.0
				Viento +X exc.+	1.1	5.3	0.2	3.5	0.2	-0.0	1.1	-6.0	-0.5	3.5	0.2	-0.0
				Viento +X exc.-	1.2	5.2	0.2	3.4	0.2	0.0	1.2	-6.0	-0.5	3.4	0.2	0.0
				Viento -X exc.+	-1.1	-5.3	-0.2	-3.5	-0.2	0.0	-1.1	6.0	0.5	-3.5	-0.2	0.0
				Viento -X exc.-	-1.2	-5.2	-0.2	-3.4	-0.2	0.0	-1.2	6.0	0.5	-3.4	-0.2	0.0
				Viento +Y exc.+	7.7	0.3	27.5	0.2	18.6	0.0	7.7	-0.3	-33.0	0.2	18.6	0.0
				Viento +Y exc.-	7.2	1.0	26.3	0.7	17.7	-0.0	7.2	-1.2	-31.2	0.7	17.7	-0.0
				Viento -Y exc.+	-7.7	-0.3	-27.5	-0.2	-18.6	-0.0	-7.7	0.3	33.0	-0.2	-18.6	-0.0
				Viento -Y exc.-	-7.2	-1.0	-26.3	-0.7	-17.7	0.0	-7.2	1.2	31.2	-0.7	-17.7	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento +X exc.+	0.6	9.3	0.2	6.6	0.1	-0.0	0.6	-12.2	-0.1	6.6	0.1	-0.0			
				Viento +X exc.-	0.6	9.3	0.3	6.6	0.2	0.0	0.6	-12.1	-0.3	6.6	0.2	0.0			
				Viento -X exc.+	-0.6	-9.3	-0.2	-6.6	-0.1	0.0	-0.6	12.2	0.1	-6.6	-0.1	0.0			
				Viento -X exc.-	-0.6	-9.3	-0.3	-6.6	-0.2	0.0	-0.6	12.1	0.3	-6.6	-0.2	0.0			
				Viento +Y exc.+	4.8	0.3	37.6	0.0	25.0	0.0	4.8	0.2	-43.6	0.0	25.0	0.0			
				Viento +Y exc.-	4.3	1.0	35.1	0.5	22.9	-0.0	4.3	-0.7	-39.4	0.5	22.9	-0.0			
				Viento -Y exc.+	-4.8	-0.3	-37.6	-0.0	-25.0	-0.0	-4.8	-0.2	43.6	-0.0	-25.0	-0.0			
				Viento -Y exc.-	-4.3	-1.0	-35.1	-0.5	-22.9	0.0	-4.3	0.7	-39.4	-0.5	-22.9	0.0			
				P. sexta +25.10	45x45	21.40/24.65	Peso propio	929.3	-8.3	-8.5	-5.2	-5.5	0.0	913.1	8.6	9.5	-5.2	-5.5	0.0
				Cargas muertas	367.4	-3.9	-4.7	-2.5	-3.1	0.0	367.4	4.2	5.3	-2.5	-3.1	0.0			
H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0							
Sobrecarga de uso	471.3	-3.3	-2.6	-2.1	-1.9	0.0	471.3	3.6	3.4	-2.1	-1.9	0.0							
Viento +X exc.+	-0.3	11.9	0.1	8.4	0.1	-0.0	-0.3	-15.4	-0.1	8.4	0.1	-0.0							
Viento +X exc.-	-0.3	11.9	0.4	8.4	0.3	0.0	-0.3	-15.4	-0.5	8.4	0.3	0.0							
Viento -X exc.+	0.3	-11.9	-0.1	-8.4	-0.1	0.0	0.3	15.4	0.1	-8.4	-0.1	0.0							
Viento -X exc.-	0.3	-11.9	-0.4	-8.4	-0.3	0.0	0.3	15.4	0.5	-8.4	-0.3	0.0							
Viento +Y exc.+	-0.0	-0.3	42.9	-0.3	28.9	0.1	-0.0	0.7	-51.1	-0.3	28.9	0.1							
Viento +Y exc.-	-0.2	0.7	37.6	0.4	25.0	-0.0	-0.2	-0.5	-43.7	0.4	25.0	-0.0							
Viento -Y exc.+	0.0	0.3	-42.9	0.3	-28.9	-0.1	0.0	-0.7	51.1	0.3	-28.9	-0.1							
Viento -Y exc.-	0.2	-0.7	-37.6	-0.4	-25.0	0.0	0.2	0.5	43.7	-0.4	-25.0	0.0							
P. quinta +21.50	50x50	17.80/21.05	Peso propio	1225.6	-10.4	-12.3	-6.6	-7.4	0.0	1205.6	11.0	11.7	-6.6	-7.4	0.0				
			Cargas muertas	482.9	-4.9	-5.8	-3.1	-3.5	0.0	482.9	5.2	5.6	-3.1	-3.5	0.0				
			H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0					
			Sobrecarga de uso	566.8	-3.9	-3.5	-2.4	-2.1	0.0	566.8	4.1	3.1	-2.4	-2.1	0.0				
			Viento +X exc.+	-1.5	17.2	0.4	11.9	0.2	-0.0	-1.5	-21.4	-0.3	11.9	0.2	-0.0				
			Viento +X exc.-	-1.6	17.2	0.8	11.8	0.5	0.0	-1.6	-21.3	-0.9	11.8	0.5	0.0				
			Viento -X exc.+	1.5	-17.2	-0.4	-11.9	-0.2	0.0	1.5	21.4	0.3	-11.9	-0.2	0.0				
			Viento -X exc.-	1.6	-17.2	-0.8	-11.8	-0.5	-0.0	1.6	21.3	0.9	-11.8	-0.5	-0.0				
			Viento +Y exc.+	-6.9	-0.0	59.1	-0.2	39.1	0.2	-6.9	0.7	-68.0	-0.2	39.1	0.2				
			Viento +Y exc.-	-6.2	1.0	51.0	0.5	33.4	0.0	-6.2	-0.7	-57.5	0.5	33.4	0.0				
Viento -Y exc.+	6.9	0.0	-59.1	0.2	-39.1	-0.2	6.9	-0.7	68.0	0.2	-39.1	-0.2							
Viento -Y exc.-	6.2	-1.0	-51.0	-0.5	-33.4	-0.0	6.2	0.7	57.5	-0.5	-33.4	-0.0							
P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1523.2	-9.5	-7.4	-6.1	-5.4	0.0	1503.3	10.2	10.2	-6.1	-5.4	0.0				
			Cargas muertas	599.6	-4.4	-2.8	-2.8	-2.6	0.0	599.6	4.8	5.5	-2.8	-2.6	0.0				
			H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0				
			Sobrecarga de uso	663.0	-3.6	-2.3	-2.3	-1.7	0.0	663.0	3.9	3.2	-2.3	-1.7	0.0				
			Viento +X exc.+	-3.1	20.8	0.4	13.5	0.1	-0.0	-3.1	-23.2	0.1	13.5	0.1	-0.0				
			Viento +X exc.-	-3.2	20.8	1.0	13.5	0.5	0.0	-3.2	-23.0	-0.6	13.5	0.5	0.0				
			Viento -X exc.+	3.1	-20.8	-0.4	-13.5	-0.1	0.0	3.1	23.2	-0.1	-13.5	-0.1	0.0				
			Viento -X exc.-	3.2	-20.8	-1.0	-13.5	-0.5	0.0	3.2	23.0	0.6	-13.5	-0.5	0.0				
			Viento +Y exc.+	-15.2	-0.2	67.4	-0.6	41.9	0.2	-15.2	1.6	-68.8	-0.6	41.9	0.2				
			Viento +Y exc.-	-13.3	0.9	56.3	0.4	34.8	0.0	-13.3	-0.4	-56.8	0.4	34.8	0.0				
Viento -Y exc.+	15.2	0.2	-67.4	0.6	-41.9	-0.2	15.2	-1.6	68.8	0.6	-41.9	-0.2							
Viento -Y exc.-	13.3	-0.9	-56.3	-0.4	-34.8	-0.0	13.3	0.4	56.8	-0.4	-34.8	-0.0							
P. tercera +14.30	50x50	10.60/13.85	Peso propio	1813.6	-13.1	-16.0	-7.6	-9.0	-0.0	1793.7	11.4	13.1	-7.6	-9.0	-0.0				
			Cargas muertas	711.3	-6.7	-8.8	-3.8	-4.9	-0.0	711.3	5.5	7.0	-3.8	-4.9	-0.0				
			H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0				
			Sobrecarga de uso	756.5	-5.3	-4.2	-3.0	-2.3	0.0	756.5	4.5	3.3	-3.0	-2.3	0.0				
			Viento +X exc.+	-4.8	24.4	0.6	15.4	-0.1	-0.0	-4.8	-25.5	1.0	15.4	-0.1	-0.0				
			Viento +X exc.-	-5.0	24.4	1.3	15.3	0.3	-0.0	-5.0	-25.3	0.3	15.3	0.3	-0.0				
			Viento -X exc.+	4.8	-24.4	-0.6	-15.4	0.1	0.0	4.8	25.5	-1.0	-15.4	0.1	0.0				
			Viento -X exc.-	5.0	-24.4	-1.3	-15.3	-0.3	0.0	5.0	25.3	-0.3	-15.3	-0.3	0.0				
			Viento +Y exc.+	-28.7	0.3	79.9	-1.0	46.7	0.2	-28.7	3.4	-72.0	-1.0	46.7	0.2				
			Viento +Y exc.-	-24.6	1.2	66.8	0.3	38.9	0.0	-24.6	0.0	-59.6	0.3	38.9	0.0				
Viento -Y exc.+	28.7	-0.3	-79.9	1.0	-46.7	-0.2	28.7	-3.4	72.0	1.0	-46.7	-0.2							
Viento -Y exc.-	24.6	-1.2	-66.8	-0.3	-38.9	-0.0	24.6	-0.0	59.6	-0.3	-38.9	-0.0							
P. segunda +10.70	50x50	5.25/10.25	Peso propio	2116.4	-9.2	-7.5	-3.8	-2.6	0.0	2085.7	9.7	5.6	-3.8	-2.6	0.0				
			Cargas muertas	830.8	-4.0	-3.4	-1.7	-1.6	0.0	830.8	4.6	4.7	-1.7	-1.6	0.0				
			H 1	-0.2	0.0	-0.2	-0.0	-0.1	0.0	-0.2	0.0	0.1	-0.0	-0.1	0.0				
			Sobrecarga de uso	851.9	-3.5	-3.2	-1.5	-1.3	0.0	851.9	3.8	3.1	-1.5	-1.3	0.0				
			Viento +X exc.+	-6.2	28.3	-3.7	11.1	-1.6	-0.0	-6.2	-27.3	4.5	11.1	-1.6	-0.0				
			Viento +X exc.-	-6.6	27.8	-2.9	10.9	-1.3	-0.0	-6.6	-26.8	3.7	10.9	-1.3	-0.0				
			Viento -X exc.+	6.2	-28.3	3.7	-11.1	1.6	0.0	6.2	27.3	-4.5	-11.1	1.6	0.0				
			Viento -X exc.-	6.6	-27.8	2.9	-10.9	1.3	0.0	6.6	26.8	-3.7	-10.9	1.3	0.0				
			Viento +Y exc.+	-42.1	-9.8	57.1	-4.3	22.3	0.2	-42.1	11.5	-54.3	-4.3	22.3	0.2				
			Viento +Y exc.-	-35.8	-2.6	45.8	-1.2	17.8	0.1	-35.8	3.2	-43.4	-1.2	17.8	0.1				
Viento -Y exc.+	42.1	9.8	-57.1	4.3	-22.3	-0.2	42.1	-11.5	54.3	4.3	-22.3	-0.2							
Viento -Y exc.-	35.8	2.6	-45.8	1.2	-17.8	-0.1	35.8	-3.2	43.4	1.2	-17.8	-0.1							
P. primera +5.35	50x100	-0.10/4.90	Peso propio	2454.9	-19.5	17.9	-7.7	-1.2	0.0	2393.6	18.9	24.0	-7.7	-1.2	0.0				
			Cargas muertas	998.2	-4.9	7.3	-2.2	1.0	0.0	998.2	6.3	2.1	-2.2	1.0	0.0				
			H 1	0.2	0.1	2.1	-0.0	0.4	0.0	0.2	0.1	0.1	-0.0	0.4	0.0				
			Sobrecarga de uso	944.6	-7.1	2.2	-2.8	-1.5	0.0	944.6	6.9	9.8	-2.8	-1.5	0.0				
			Viento +X exc.+	-6.6	48.1	-19.5	13.9	-5.0	-0.1	-6.6	-21.6	5.3	13.9	-5.0	-0.1				
			Viento +X exc.-	-7.0	47.2	-15.4	13.7	-3.9	-0.1	-7.0	-21.2	4.3	13.7	-3.9	-0.1				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	50x100	-3.60/-0.45	Viento -X exc.+	6.6	-48.1	19.5	-13.9	5.0	0.1	6.6	21.6	-5.3	-13.9	5.0	0.1
				Viento -X exc.-	7.0	-47.2	15.4	-13.7	3.9	0.1	7.0	21.2	-4.3	-13.7	3.9	0.1
				Viento +Y exc.+	-49.2	-17.2	309.0	-4.8	77.8	0.4	-49.2	6.5	-80.1	-4.8	77.8	0.4
				Viento +Y exc.-	-41.6	-4.7	251.3	-1.2	63.5	0.1	-41.6	1.1	-66.0	-1.2	63.5	0.1
				Viento -Y exc.+	49.2	17.2	-309.0	4.8	-77.8	-0.4	49.2	-6.5	80.1	4.8	-77.8	-0.4
				Viento -Y exc.-	41.6	4.7	-251.3	1.2	-63.5	-0.1	41.6	-1.1	66.0	1.2	-63.5	-0.1
				Peso propio	2763.8	-13.0	-10.7	-11.7	-12.6	0.0	2725.2	23.7	29.0	-11.7	-12.6	0.0
				Cargas muertas	1200.7	-2.1	-5.4	-1.9	-5.9	0.0	1200.7	3.7	13.3	-1.9	-5.9	0.0
				H 1	-6.1	0.2	2.6	0.3	2.4	0.0	-6.1	-0.6	-5.0	0.3	2.4	0.0
				Sobrecarga de uso	1037.4	-4.6	-3.3	-4.1	-3.8	0.0	1037.4	8.4	8.6	-4.1	-3.8	0.0
				Viento +X exc.+	-7.0	-15.2	7.0	-14.0	6.8	0.0	-7.0	28.8	-14.5	-14.0	6.8	0.0
				Viento +X exc.-	-7.5	-15.0	5.5	-13.7	5.4	0.0	-7.5	28.2	-11.4	-13.7	5.4	0.0
				Viento -X exc.+	7.0	15.2	-7.0	14.0	-6.8	0.0	7.0	-28.8	14.5	14.0	-6.8	0.0
				Viento -X exc.-	7.5	15.0	-5.5	13.7	-5.4	0.0	7.5	-28.2	11.4	13.7	-5.4	0.0
				Viento +Y exc.+	-48.5	6.0	-92.4	5.3	-101.2	-0.0	-48.5	-10.7	226.4	5.3	-101.2	-0.0
				Viento +Y exc.-	-41.3	2.1	-71.3	1.7	-80.9	-0.0	-41.3	-3.2	183.4	1.7	-80.9	-0.0
				Viento -Y exc.+	48.5	-6.0	92.4	-5.3	101.2	0.0	48.5	10.7	-226.4	-5.3	101.2	0.0
				Viento -Y exc.-	41.3	-2.1	71.3	-1.7	80.9	0.0	41.3	3.2	-183.4	-1.7	80.9	0.0
P26a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.9	-0.1	0.4	-0.0	0.6	0.0	13.4	-0.0	-1.2	-0.0	0.6	0.0
				Cargas muertas	4.6	-0.1	0.1	-0.0	0.2	0.0	4.6	-0.0	-0.4	-0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.8	-0.1	-0.0	-0.0	0.1	0.0	4.8	-0.0	-0.4	-0.0	0.1	0.0
				Viento +X exc.+	2.0	4.1	-0.7	2.3	-0.6	-0.0	2.0	-1.8	0.9	2.3	-0.6	-0.0
				Viento +X exc.-	2.2	3.7	0.0	2.1	-0.1	0.0	2.2	-1.6	0.3	2.1	-0.1	0.0
				Viento -X exc.+	-2.0	-4.1	0.7	-2.3	0.6	0.0	-2.0	1.8	-0.9	-2.3	0.6	0.0
				Viento -X exc.-	-2.2	-3.7	-0.0	-2.1	0.1	-0.0	-2.2	1.6	-0.3	-2.1	0.1	-0.0
				Viento +Y exc.+	3.0	-0.3	4.7	-0.2	3.5	0.0	3.0	0.3	-4.5	-0.2	3.5	0.0
				Viento +Y exc.-	2.8	0.0	4.2	-0.0	3.1	-0.0	2.8	0.1	-4.0	-0.0	3.1	-0.0
				Viento -Y exc.+	-3.0	0.3	-4.7	0.2	-3.5	-0.0	-3.0	-0.3	4.5	0.2	-3.5	-0.0
				Viento -Y exc.-	-2.8	-0.0	-4.2	0.0	-3.1	0.0	-2.8	-0.1	4.0	0.0	-3.1	0.0
P27	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	353.1	-0.5	1.7	-0.5	0.7	0.0	340.3	1.2	-0.6	-0.5	0.7	0.0
				Cargas muertas	142.9	0.1	-0.6	0.1	-0.3	0.0	142.9	-0.1	0.4	0.1	-0.3	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	311.7	0.4	-0.4	0.3	-1.1	0.0	311.7	-0.5	3.3	0.3	-1.1	0.0
				Viento +X exc.+	-1.2	5.3	-0.2	2.9	-0.1	-0.0	-1.2	-4.2	0.1	2.9	-0.1	-0.0
				Viento +X exc.-	-1.2	5.3	-0.1	2.9	-0.0	0.0	-1.2	-4.2	0.0	2.9	-0.0	0.0
				Viento -X exc.+	1.2	-5.3	0.2	-2.9	0.1	0.0	1.2	4.2	-0.1	-2.9	0.1	0.0
				Viento -X exc.-	1.2	-5.3	0.1	-2.9	0.0	0.0	1.2	4.2	-0.0	-2.9	0.0	0.0
				Viento +Y exc.+	5.9	-0.4	22.4	-0.2	11.7	0.0	5.9	0.3	-15.5	-0.2	11.7	0.0
				Viento +Y exc.-	5.2	0.3	20.4	0.1	10.5	-0.0	5.2	-0.1	-13.8	0.1	10.5	-0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento -Y exc.+	-5.9	0.4	-22.4	0.2	-11.7	-0.0	-5.9	-0.3	15.5	0.2	-11.7	-0.0
				Viento -Y exc.-	-5.2	-0.3	-20.4	-0.1	-10.5	0.0	-5.2	0.1	13.8	-0.1	-10.5	0.0
				Peso propio	679.0	1.3	0.6	0.9	0.4	-0.0	662.9	-1.8	-0.7	0.9	0.4	-0.0
				Cargas muertas	274.2	0.2	-0.5	0.1	-0.2	0.0	274.2	-0.2	0.3	0.1	-0.2	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	417.8	0.0	2.3	-0.0	1.7	-0.0	417.8	0.1	-3.2	-0.0	1.7	-0.0
				Viento +X exc.+	-0.9	10.5	-0.0	7.4	-0.0	-0.0	-0.9	-13.4	0.1	7.4	-0.0	-0.0
				Viento +X exc.-	-0.9	10.5	0.3	7.3	0.2	0.0	-0.9	-13.3	-0.4	7.3	0.2	0.0
				Viento -X exc.+	0.9	-10.5	0.0	-7.4	0.0	0.0	0.9	13.4	-0.1	-7.4	0.0	0.0
				Viento -X exc.-	0.9	-10.5	-0.3	-7.3	-0.2	0.0	0.9	13.3	0.4	-7.3	-0.2	0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +Y exc.+	6.1	-0.8	43.0	-0.6	29.0	0.0	6.1	1.1	-51.4	-0.6	29.0	0.0
				Viento +Y exc.-	5.1	0.2	37.8	0.1	25.1	-0.0	5.1	-0.0	-43.9	0.1	25.1	-0.0
				Viento -Y exc.+	-6.1	0.8	-43.0	0.6	-29.0	-0.0	-6.1	-1.1	51.4	0.6	-29.0	-0.0
				Viento -Y exc.-	-5.1	-0.2	-37.8	-0.1	-25.1	0.0	-5.1	0.0	43.9	-0.1	-25.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1006.0	0.8	1.5	0.5	0.8	0.0	989.9	-0.9	-1.3	0.5	0.8	0.0
				Cargas muertas	406.5	0.2	0.2	0.1	0.1	0.0	406.5	-0.2	-0.0	0.1	0.1	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	525.3	0.1	1.5	0.1	0.9	0.0	525.3	-0.1	-1.3	0.1	0.9	0.0
				Viento +X exc.+	-0.4	13.2	-0.2	9.2	-0.1	-0.0	-0.4	-16.6	0.2	9.2	-0.1	-0.0
				Viento +X exc.-	-0.4	13.1	0.3	9.1	0.2	0.0	-0.4	-16.6	-0.4	9.1	0.2	0.0
				Viento -X exc.+	0.4	-13.2	0.2	-9.2	0.1	0.0	0.4	16.6	-0.2	-9.2	0.1	0.0
				Viento -X exc.-	0.4	-13.1	-0.3	-9.1	-0.2	0.0	0.4	16.6	0.4	-9.1	-0.2	0.0
				Viento +Y exc.+	5.0	-1.5	48.7	-1.1	32.7	0.1	5.0	1.9	-57.7	-1.1	32.7	0.1
				Viento +Y exc.-	4.1	-0.3	40.1	-0.2	26.6	-0.0	4.1	0.4	-46.5	-0.2	26.6	-0.0
				Viento -Y exc.+	-5.0	1.5	-48.7	1.1	-32.7	-0.1	-5.0	-1.9	57.7	1.1	-32.7	-0.1
				Viento -Y exc.-	-4.1	0.3	-40.1	0.2	-26.6	0.0	-4.1	-0.4	46.5	0.2	-26.6	0.0
				Peso propio	1335.9	1.3	0.5	0.8	0.6	0.0	1315.9	-1.3	-1.6	0.8	0.6	0.0
				Cargas muertas	537.6	0.2	0.6	0.1	0.5	0.0	537.6	-0.2	-1.0	0.1	0.5	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	632.4	0.1	1.5	0.1	1.1	0.0	632.4	-0.1	-2.0	0.1	1.1	0.0
				Viento +X exc.+	0.3	19.3	-0.0	13.1	-0.1	-0.0	0.3	-23.4	0.2	13.1	-0.1	-0.0
				Viento +X exc.-	0.4	19.2	0.7	13.1	0.4	0.0	0.4	-23.3	-0.7	13.1	0.4	0.0
				Viento -X exc.+	-0.3	-19.3	0.0	-13.1	0.1	0.0	-0.3	23.4	-0.2	-13.1	0.1	0.0
				Viento -X exc.-	-0.4	-19.2	-0.7	-13.1	-0.4	-0.0	-0.4	23.3	0.7	-13.1	-0.4	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	3.0	-2.0	68.5	-1.4	45.3	0.2	3.0	2.7	-78.5	-1.4	45.3	0.2
				Viento +Y exc.-	2.5	-0.4	55.6	-0.3	36.3	0.0	2.5	0.7	-62.5	-0.3	36.3	0.0
				Viento -Y exc.+	-3.0	2.0	-68.5	1.4	-45.3	-0.2	-3.0	-2.7	78.5	1.4	-45.3	-0.2
				Viento -Y exc.-	-2.5	0.4	-55.6	0.3	-36.3	-0.0	-2.5	-0.7	62.5	0.3	-36.3	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Peso propio	1668.5	1.5	4.1	0.7	1.8	0.0	1648.5	-0.7	-1.6	0.7	1.8	0.0
				Cargas muertas	670.5	0.4	2.9	0.1	1.0	0.0	670.5	0.1	-0.3	0.1	1.0	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	740.8	0.1	2.2	-0.0	1.2	0.0	740.8	0.2	-1.5	-0.0	1.2	0.0
				Viento +X exc.+	1.3	22.9	0.0	14.8	-0.2	-0.0	1.3	-25.3	0.6	14.8	-0.2	-0.0
				Viento +X exc.-	1.3	22.8	0.9	14.8	0.4	0.0	1.3	-25.1	-0.4	14.8	0.4	0.0
				Viento -X exc.+	-1.3	-22.9	-0.0	-14.8	0.2	0.0	-1.3	25.3	-0.6	-14.8	0.2	0.0
				Viento -X exc.-	-1.3	-22.8	-0.9	-14.8	-0.4	0.0	-1.3	25.1	0.4	-14.8	-0.4	0.0
				Viento +Y exc.+	0.6	-2.5	77.5	-1.9	48.4	0.2	0.6	3.7	-79.9	-1.9	48.4	0.2
				Viento +Y exc.-	0.6	-0.8	61.0	-0.6	37.9	0.0	0.6	1.1	-62.1	-0.6	37.9	0.0
				Viento -Y exc.+	-0.6	2.5	-77.5	1.9	-48.4	-0.2	-0.6	-3.7	79.9	1.9	-48.4	-0.2
				Viento -Y exc.-	-0.6	0.8	-61.0	0.6	-37.9	-0.0	-0.6	-1.1	62.1	0.6	-37.9	-0.0
P. tercera +14.30	50x50	10.60/13.85		Peso propio	1994.4	-2.2	-0.1	-0.8	-0.1	-0.0	1974.4	0.3	0.4	-0.8	-0.1	-0.0
				Cargas muertas	798.4	-1.7	-1.5	-0.7	-0.8	-0.0	798.4	0.7	1.1	-0.7	-0.8	-0.0
				H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	847.0	-1.0	2.4	-0.5	1.3	0.0	847.0	0.5	-1.9	-0.5	1.3	0.0
				Viento +X exc.+	2.4	27.9	-0.2	17.3	-0.7	-0.0	2.4	-28.3	1.9	17.3	-0.7	-0.0
				Viento +X exc.-	2.3	27.8	1.0	17.2	0.0	-0.0	2.3	-28.1	0.8	17.2	0.0	-0.0
				Viento -X exc.+	-2.4	-27.9	0.2	-17.3	0.7	0.0	-2.4	28.3	-1.9	-17.3	0.7	0.0
				Viento -X exc.-	-2.3	-27.8	-1.0	-17.2	-0.0	0.0	-2.3	28.1	-0.8	-17.2	-0.0	0.0
				Viento +Y exc.+	-7.2	-2.5	96.9	-2.6	56.1	0.2	-7.2	6.1	-85.5	-2.6	56.1	0.2
				Viento +Y exc.-	-5.4	-0.6	76.0	-0.7	43.8	0.0	-5.4	1.8	-66.5	-0.7	43.8	0.0
				Viento -Y exc.+	7.2	2.5	-96.9	2.6	-56.1	-0.2	7.2	-6.1	85.5	2.6	-56.1	-0.2
				Viento -Y exc.-	5.4	0.6	-76.0	0.7	-43.8	-0.0	5.4	-1.8	66.5	0.7	-43.8	-0.0
P. segunda +10.70	50x50	5.25/10.25		Peso propio	2338.9	-4.9	5.0	-1.8	2.6	0.0	2308.3	4.0	-7.8	-1.8	2.6	0.0
				Cargas muertas	935.8	0.3	3.8	-0.1	1.2	0.0	935.8	0.7	-2.1	-0.1	1.2	0.0
				H 1	-0.2	0.0	-0.2	0.0	-0.0	0.0	-0.2	0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	956.0	-1.7	1.3	-0.6	0.6	0.0	956.0	1.3	-1.9	-0.6	0.6	0.0
				Viento +X exc.+	3.9	30.2	-4.5	12.0	-2.1	-0.0	3.9	-29.7	6.0	12.0	-2.1	-0.0
				Viento +X exc.-	3.7	29.7	-3.5	11.8	-1.7	-0.0	3.7	-29.2	4.9	11.8	-1.7	-0.0
				Viento -X exc.+	-3.9	-30.2	4.5	-12.0	2.1	0.0	-3.9	29.7	-6.0	-12.0	2.1	0.0
				Viento -X exc.-	-3.7	-29.7	3.5	-11.8	1.7	0.0	-3.7	29.2	-4.9	-11.8	1.7	0.0
				Viento +Y exc.+	-14.3	-10.4	67.0	-4.6	26.9	0.2	-14.3	12.8	-67.3	-4.6	26.9	0.2
				Viento +Y exc.-	-10.7	-2.7	51.0	-1.3	20.4	0.1	-10.7	3.9	-51.1	-1.3	20.4	0.1
				Viento -Y exc.+	14.3	10.4	-67.0	4.6	-26.9	-0.2	14.3	-12.8	67.3	4.6	-26.9	-0.2
				Viento -Y exc.-	10.7	2.7	-51.0	1.3	-20.4	-0.1	10.7	-3.9	51.1	1.3	-20.4	-0.1
P. primera +5.35	50x100	-0.10/4.90		Peso propio	2701.7	-5.0	90.1	-2.8	29.0	0.0	2640.4	9.0	-54.7	-2.8	29.0	0.0
				Cargas muertas	1119.9	-1.6	46.8	-0.3	18.7	0.0	1119.9	-0.2	-46.6	-0.3	18.7	0.0
				H 1	0.2	0.0	1.6	-0.0	0.3	0.0	0.2	0.1	0.1	-0.0	0.3	0.0
				Sobrecarga de uso	1058.5	-2.2	27.2	-1.1	9.0	0.0	1058.5	3.4	-17.7	-1.1	9.0	0.0
				Viento +X exc.+	4.8	49.2	-24.2	14.5	-5.6	-0.1	4.8	-23.4	3.8	14.5	-5.6	-0.1
				Viento +X exc.-	4.6	48.3	-18.7	14.3	-4.2	-0.1	4.6	-23.0	2.4	14.3	-4.2	-0.1
				Viento -X exc.+	-4.8	-49.2	24.2	-14.5	5.6	0.1	-4.8	23.4	-3.8	-14.5	5.6	0.1
				Viento -X exc.-	-4.6	-48.3	18.7	-14.3	4.2	0.1	-4.6	23.0	-2.4	-14.3	4.2	0.1
				Viento +Y exc.+	-14.1	-17.0	339.7	-4.6	85.9	0.4	-14.1	6.1	-89.9	-4.6	85.9	0.4
				Viento +Y exc.-	-10.5	-4.2	261.4	-0.9	66.4	0.1	-10.5	0.3	-70.6	-0.9	66.4	0.1
				Viento -Y exc.+	14.1	17.0	-339.7	4.6	-85.9	-0.4	14.1	-6.1	89.9	4.6	-85.9	-0.4
				Viento -Y exc.-	10.5	4.2	-261.4	0.9	-66.4	-0.1	10.5	-0.3	70.6	0.9	-66.4	-0.1
P. Baja +0.00	50x100	-3.60/-0.45		Peso propio	3072.5	-0.8	18.2	-0.7	15.7	0.0	3033.9	1.4	-31.3	-0.7	15.7	0.0
				Cargas muertas	1337.5	-2.5	8.1	-2.2	7.3	0.0	1337.5	4.4	-14.9	-2.2	7.3	0.0
				H 1	-5.8	0.2	2.2	0.2	1.9	0.0	-5.8	-0.5	-4.0	0.2	1.9	0.0
				Sobrecarga de uso	1171.1	-0.5	7.0	-0.4	6.3	0.0	1171.1	0.9	-12.8	-0.4	6.3	0.0
				Viento +X exc.+	4.7	-15.0	9.0	-13.8	8.8	0.0	4.7	28.4	-18.8	-13.8	8.8	0.0
				Viento +X exc.-	4.6	-14.8	7.0	-13.5	6.9	0.0	4.6	27.9	-14.7	-13.5	6.9	0.0
				Viento -X exc.+	-4.7	15.0	-9.0	13.8	-8.8	0.0	-4.7	-28.4	18.8	13.8	-8.8	0.0
				Viento -X exc.-	-4.6	14.8	-7.0	13.5	-6.9	0.0	-4.6	-27.9	14.7	13.5	-6.9	0.0
				Viento +Y exc.+	-10.9	6.1	-102.6	5.4	-111.1	-0.0	-10.9	-10.8	247.3	5.4	-111.1	-0.0
				Viento +Y exc.-	-8.0	2.2	-74.7	1.8	-83.8	-0.0	-8.0	-3.4	189.3	1.8	-83.8	-0.0
				Viento -Y exc.+	10.9	-6.1	102.6	-5.4	111.1	0.0	10.9	10.8	-247.3	-5.4	111.1	0.0
				Viento -Y exc.-	8.0	-2.2	74.7	-1.8	83.8	0.0	8.0	3.4	-189.3	-1.8	83.8	0.0
P28	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	340.6	-5.5	-11.8	-3.1	-8.6	0.0	327.8	4.5	16.3	-3.1	-8.6	0.0
				Cargas muertas	130.9	-3.5	-7.6	-2.3	-5.2	0.0	130.9	3.9	9.5	-2.3	-5.2	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	271.1	-5.5	-12.5	-4.5	-11.5	0.0	271.1	9.1	25.0	-4.5	-11.5	0.0
				Viento +X exc.+	1.0	5.3	0.0	3.5	0.1	-0.0	1.0	-6.1	-0.4	3.5	0.1	-0.0
				Viento +X exc.-	1.1	5.3	0.2	3.5	0.3	0.0	1.1	-6.0	-0.6	3.5	0.3	0.0
				Viento -X exc.+	-1.0	-5.3	-0.0	-3.5	-0.1	0.0	-1.0	6.1	0.4	-3.5	-0.1	0.0
				Viento -X exc.-	-1.1	-5.3	-0.2	-3.5	-0.3	0.0	-1.1	6.0	0.6	-3.5	-0.3	0.0
				Viento +Y exc.+	8.2	0.3	27.8	0.2	19.0	0.0	8.2	-0.4	-33.8	0.2	19.0	0.0
				Viento +Y exc.-	7.2	1.1	23.8	0.7	16.1	-0.0	7.2	-1.3	-28.4	0.7	16.1	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	45x45	25.00/28.25		Viento -Y exc.+	-8.2	-0.3	-27.8	-0.2	-19.0	-0.0	-7.2	0.4	33.8	-0.2	-19.0	-0.0
				Viento -Y exc.-	-7.2	-1.1	-23.8	-0.7	-16.1	0.0	-7.2	1.3	28.4	-0.7	-16.1	0.0
				Peso propio	629.7	-8.6	-14.2	-5.5	-8.7	-0.0	613.5	9.2	14.2	-5.5	-8.7	-0.0
				Cargas muertas	245.1	-4.2	-7.8	-2.6	-4.7	0.0	245.1	4.3	7.6	-2.6	-4.7	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	365.7	-2.9	-2.8	-1.6	-1.0	-0.0	365.7	2.3	0.4	-1.6	-1.0	-0.0
				Viento +X exc.+	0.3	9.4	-0.1	6.7	-0.1	-0.0	0.3	-12.3	0.2	6.7	-0.1	-0.0
				Viento +X exc.-	0.4	9.4	0.3	6.7	0.2	0.0	0.4	-12.2	-0.3	6.7	0.2	0.0
				Viento -X exc.+	-0.3	-9.4	0.1	-6.7	0.1	0.0	-0.3	12.3	-0.2	-6.7	0.1	0.0
				Viento -X exc.-	-0.4	-9.4	-0.3	-6.7	-0.2	0.0	-0.4	12.2	0.3	-6.7	-0.2	0.0
				Viento +Y exc.+	5.5	0.4	39.1	0.1	26.5	0.0	5.5	0.0	-46.9	0.1	26.5	0.0
				Viento +Y exc.-	4.7	1.1	32.6	0.6	21.6	-0.0	4.7	-0.8	-37.8	0.6	21.6	-0.0
				Viento -Y exc.+	-5.5	-0.4	-39.1	-0.1	-26.5	-0.0	-5.5	-0.0	46.9	-0.1	-26.5	-0.0
				Viento -Y exc.-	-4.7	-1.1	-32.6	-0.6	-21.6	0.0	-4.7	0.8	37.8	-0.6	-21.6	0.0
P. sexta +25.10	45x45	21.40/24.65		Peso propio	919.3	-7.0	-11.4	-4.4	-7.4	0.0	903.1	7.4	12.5	-4.4	-7.4	0.0
				Cargas muertas	359.9	-3.5	-6.2	-2.2	-4.0	0.0	359.9	3.8	6.9	-2.2	-4.0	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	460.5	-3.0	-4.2	-1.9	-2.9	0.0	460.5	3.3	5.1	-1.9	-2.9	0.0
				Viento +X exc.+	-0.7	12.0	-0.2	8.5	-0.1	-0.0	-0.7	-15.6	0.3	8.5	-0.1	-0.0
				Viento +X exc.-	-0.7	12.0	0.4	8.5	0.3	0.0	-0.7	-15.5	-0.5	8.5	0.3	0.0
				Viento -X exc.+	0.7	-12.0	0.2	-8.5	0.1	0.0	0.7	15.6	-0.3	-8.5	0.1	0.0
				Viento -X exc.-	0.7	-12.0	-0.4	-8.5	-0.3	0.0	0.7	15.5	0.5	-8.5	-0.3	0.0
				Viento +Y exc.+	0.4	-0.1	47.7	-0.2	32.5	0.1	0.4	0.5	-58.0	-0.2	32.5	0.1
				Viento +Y exc.-	0.5	0.8	37.2	0.4	25.1	-0.0	0.5	-0.6	-44.2	0.4	25.1	-0.0
				Viento -Y exc.+	-0.4	0.1	-47.7	0.2	-32.5	-0.1	-0.4	-0.5	58.0	0.2	-32.5	-0.1
				Viento -Y exc.-	-0.5	-0.8	-37.2	-0.4	-25.1	0.0	-0.5	0.6	44.2	-0.4	-25.1	0.0
P. quinta +21.50	50x50	17.80/21.05		Peso propio	1211.0	-8.7	-15.9	-5.5	-9.6	0.0	1191.0	9.3	15.4	-5.5	-9.6	0.0
				Cargas muertas	473.1	-4.4	-7.4	-2.8	-4.6	0.0	473.1	4.7	7.4	-2.8	-4.6	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	554.4	-3.5	-5.3	-2.2	-3.2	0.0	554.4	3.7	5.0	-2.2	-3.2	0.0
				Viento +X exc.+	-2.1	17.3	0.1	12.0	-0.0	-0.0	-2.1	-21.6	0.2	12.0	-0.0	-0.0
				Viento +X exc.-	-2.2	17.3	1.0	11.9	0.6	0.0	-2.2	-21.5	-0.9	11.9	0.6	0.0
				Viento -X exc.+	2.1	-17.3	-0.1	-12.0	0.0	0.0	2.1	21.6	-0.2	-12.0	0.0	0.0
				Viento -X exc.-	2.2	-17.3	-1.0	-11.9	-0.6	-0.0	2.2	21.5	0.9	-11.9	-0.6	-0.0
				Viento +Y exc.+	-7.3	0.5	66.0	0.0	44.2	0.2	-7.3	0.4	-77.5	0.0	44.2	0.2
				Viento +Y exc.-	-5.6	1.2	50.7	0.7	33.5	0.0	-5.6	-0.9	-58.3	0.7	33.5	0.0
				Viento -Y exc.+	7.3	-0.5	-66.0	-0.0	-44.2	-0.2	7.3	-0.4	77.5	-0.0	-44.2	-0.2
				Viento -Y exc.-	5.6	-1.2	-50.7	-0.7	-33.5	-0.0	5.6	0.9	58.3	-0.7	-33.5	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Peso propio	1504.1	-8.1	-10.8	-5.2	-7.5	0.0	1484.1	8.7	13.6	-5.2	-7.5	0.0
				Cargas muertas	587.4	-4.0	-4.4	-2.6	-3.6	0.0	587.4	4.4	7.3	-2.6	-3.6	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	648.8	-3.3	-4.1	-2.1	-2.8	0.0	648.8	3.6	4.9	-2.1	-2.8	0.0
				Viento +X exc.+	-3.9	21.4	-0.2	13.8	-0.3	-0.0	-3.9	-23.5	0.8	13.8	-0.3	-0.0
				Viento +X exc.-	-4.2	21.3	0.9	13.7	0.4	0.0	-4.2	-23.3	-0.4	13.7	0.4	0.0
				Viento -X exc.+	3.9	-21.4	0.2	-13.8	0.3	0.0	3.9	23.5	-0.8	-13.8	0.3	0.0
				Viento -X exc.-	4.2	-21.3	-0.9	-13.7	-0.4	0.0	4.2	23.3	0.4	-13.7	-0.4	0.0
				Viento +Y exc.+	-16.8	-0.7	79.7	-0.7	49.4	0.2	-16.8	1.5	-80.7	-0.7	49.4	0.2
				Viento +Y exc.-	-12.7	0.5	59.3	0.3	36.5	0.0	-12.7	-0.4	-59.4	0.3	36.5	0.0
				Viento -Y exc.+	16.8	0.7	-79.7	0.7	-49.4	-0.2	16.8	-1.5	80.7	0.7	-49.4	-0.2
				Viento -Y exc.-	12.7	-0.5	-59.3	-0.3	-36.5	-0.0	12.7	0.4	59.4	-0.3	-36.5	-0.0
P. tercera +14.30	50x50	10.60/13.85		Peso propio	1790.7	-9.7	-22.3	-5.8	-12.7	-0.0	1770.8	9.1	19.1	-5.8	-12.7	-0.0
				Cargas muertas	697.1	-5.3	-11.9	-3.1	-6.8	0.0	697.1	4.7	10.2	-3.1	-6.8	-0.0
				H 1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	-0.1	0.0	0.1	0.0
				Sobrecarga de uso	740.7	-4.2	-6.4	-2.5	-3.7	0.0	740.7	3.8	5.6	-2.5	-3.7	0.0
				Viento +X exc.+	-5.8	23.2	0.6	14.9	-0.5	-0.0	-5.8	-25.4	2.2	14.9	-0.5	-0.0
				Viento +X exc.-	-6.3	23.2	1.8	14.9	0.3	-0.0	-6.3	-25.2	1.0	14.9	0.3	-0.0
				Viento -X exc.+	5.8	-23.2	-0.6	-14.9	0.5	0.0	5.8	25.4	-2.2	-14.9	0.5	0.0
				Viento -X exc.-	6.3	-23.2	-1.8	-14.9	-0.3	0.0	6.3	25.2	-1.0	-14.9	-0.3	0.0
				Viento +Y exc.+	-32.2	1.6	85.7	-0.6	51.9	0.2	-32.2	3.5	-82.8	-0.6	51.9	0.2
				Viento +Y exc.-	-24.2	1.9	63.6	0.5	38.3	0.0	-24.2	0.2	-61.0	0.5	38.3	0.0
				Viento -Y exc.+	32.2	-1.6	-85.7	0.6	-51.9	-0.2	32.2	-3.5	82.8	0.6	-51.9	-0.2
				Viento -Y exc.-	24.2	-1.9	-63.6	-0.5	-38.3	-0.0	24.2	-0.2	61.0	-0.5	-38.3	-0.0
P. segunda +10.70	50x50	5.25/10.25		Peso propio	2089.9	-7.7	-8.0	-3.0	-2.9	0.0	2059.3	7.4	6.5	-3.0	-2.9	0.0
				Cargas muertas	813.2	-3.9	-3.7	-1.6	-1.8	0.0	813.2	3.8	5.3	-1.6	-1.8	0.0
				H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
				Sobrecarga de uso	833.5	-3.2	-3.7	-1.3	-1.5	0.0	833.5	3.1	3.9	-1.3	-1.5	0.0
				Viento +X exc.+	-6.6	27.9	-5.5	10.8	-2.5	-0.0	-6.6	-26.3	6.7	10.8	-2.5	-0.0
				Viento +X exc.-	-7.3	27.5	-4.4	10.7	-2.0	-0.0	-7.3	-25.8	5.5	10.7	-2.0	-0.0
				Viento -X exc.+	6.6	-27.9	5.5	-10.8	2.5	0.0	6.6	26.3	-6.7	-10.8	2.5	0.0
				Viento -X exc.-	7.3	-27.5	4.4	-10.7	2.0	0.0	7.3	25.8	-5.5	-10.7	2.0	0.0
				Viento +Y exc.+	-50.0	-9.0	66.4	-3.9	25.4	0.2	-50.0	10.2	-60.8	-3.9	25.4	0.2
				Viento +Y exc.-	-37.4	-2.1	48.2	-0.9	18.4	0.1	-37.4	2.4	-44.0	-0.9	18.4	0.1
				Viento -Y exc.+	50.0	9.0	-66.4	3.9	-25.4	-0.2	50.0	-10.2	60.8	3.9	-25.4	-0.2
				Viento -Y exc.-	37.4	2.1	-48.2	0.9	-18.4	-0.1	37.4	-2.4	44.0	0.9	-18.4	-0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	50x100	-0.10/4.90	Peso propio	2420.2	-16.0	22.7	-6.5	0.3	0.0	2358.9	16.6	21.2	-6.5	0.3	0.0
				Cargas muertas	980.8	-6.6	7.7	-2.9	1.2	0.0	980.8	7.9	1.7	-2.9	1.2	0.0
				H 1	0.2	-0.0	1.9	-0.0	0.4	0.0	0.2	0.1	0.1	-0.0	0.4	0.0
				Sobrecarga de uso	925.3	-6.3	2.9	-2.6	-1.3	0.0	925.3	6.7	9.4	-2.6	-1.3	0.0
				Viento +X exc.+	-7.0	48.0	-31.7	14.0	-8.1	-0.1	-7.0	-21.9	8.6	14.0	-8.1	-0.1
				Viento +X exc.-	-8.0	47.2	-24.8	13.7	-6.3	-0.1	-8.0	-21.5	6.7	13.7	-6.3	-0.1
				Viento -X exc.+	7.0	-48.0	31.7	-14.0	8.1	0.1	7.0	21.9	-8.6	-14.0	8.1	0.1
				Viento -X exc.-	8.0	-47.2	24.8	-13.7	6.3	0.1	8.0	21.5	-6.7	-13.7	6.3	0.1
				Viento +Y exc.+	-63.3	-16.9	365.8	-4.6	92.6	0.4	-63.3	6.2	-97.1	-4.6	92.6	0.4
				Viento +Y exc.-	-47.4	-4.5	267.3	-1.1	67.8	0.1	-47.4	0.9	-71.9	-1.1	67.8	0.1
				Viento -Y exc.+	63.3	16.9	-365.8	4.6	-92.6	-0.4	63.3	-6.2	97.1	4.6	-92.6	-0.4
				Viento -Y exc.-	47.4	4.5	-267.3	1.1	-67.8	-0.1	47.4	-0.9	71.9	1.1	-67.8	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2726.6	-10.1	-15.9	-9.0	-17.6	0.0	2688.0	18.3	39.6	-9.0	-17.6	0.0
				Cargas muertas	1185.9	-3.3	-8.8	-2.9	-9.2	0.0	1185.9	5.9	20.3	-2.9	-9.2	0.0
				H 1	-6.0	0.1	2.5	0.2	2.3	0.0	-6.0	-0.4	-4.6	0.2	2.3	0.0
				Sobrecarga de uso	1016.0	-3.6	-4.9	-3.2	-5.4	0.0	1016.0	6.6	12.0	-3.2	-5.4	0.0
				Viento +X exc.+	-7.2	-15.6	11.4	-14.3	11.3	0.0	-7.2	29.4	-24.1	-14.3	11.3	0.0
				Viento +X exc.-	-8.2	-15.3	8.9	-14.0	8.8	0.0	-8.2	28.8	-18.8	-14.0	8.8	0.0
				Viento -X exc.+	7.2	15.6	-11.4	14.3	-11.3	0.0	7.2	-29.4	24.1	14.3	-11.3	0.0
				Viento -X exc.-	8.2	15.3	-8.9	14.0	-8.8	0.0	8.2	-28.8	18.8	14.0	-8.8	0.0
				Viento +Y exc.+	-64.8	6.2	-116.2	5.5	-124.3	-0.0	-64.8	-11.1	275.2	5.5	-124.3	-0.0
				Viento +Y exc.-	-48.8	2.2	-80.6	1.8	-89.2	-0.0	-48.8	-3.4	200.4	1.8	-89.2	-0.0
				Viento -Y exc.+	64.8	-6.2	116.2	-5.5	124.3	0.0	64.8	11.1	-275.2	-5.5	124.3	0.0
				Viento -Y exc.-	48.8	-2.2	80.6	-1.8	89.2	0.0	48.8	3.4	-200.4	-1.8	89.2	0.0
P28a	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.6	-0.2	0.3	-0.1	0.6	0.0	13.1	-0.0	-1.1	-0.1	0.6	0.0
				Cargas muertas	4.4	-0.1	0.1	-0.0	0.2	0.0	4.4	-0.0	-0.4	-0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.4	-0.2	-0.1	-0.1	0.1	0.0	4.4	-0.0	-0.3	-0.1	0.1	0.0
				Viento +X exc.+	2.2	3.8	-0.6	2.1	-0.6	-0.0	2.2	-1.7	0.9	2.1	-0.6	-0.0
				Viento +X exc.-	2.4	3.5	0.0	1.9	-0.1	0.0	2.4	-1.6	0.3	1.9	-0.1	0.0
				Viento -X exc.+	-2.2	-3.8	0.6	-2.1	0.6	0.0	-2.2	1.7	-0.9	-2.1	0.6	0.0
				Viento -X exc.-	-2.4	-3.5	-0.0	-1.9	0.1	-0.0	-2.4	1.6	-0.3	-1.9	0.1	-0.0
				Viento +Y exc.+	3.0	-0.3	4.7	-0.2	3.5	0.0	3.0	0.3	-4.4	-0.2	3.5	0.0
				Viento +Y exc.-	2.8	0.0	4.2	-0.0	3.1	0.0	2.8	0.1	-4.0	-0.0	3.1	0.0
				Viento -Y exc.+	-3.0	0.3	-4.7	0.2	-3.5	-0.0	-3.0	-0.3	4.4	0.2	-3.5	-0.0
				Viento -Y exc.-	-2.8	-0.0	-4.2	0.0	-3.1	0.0	-2.8	-0.1	4.0	0.0	-3.1	0.0
P29	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	348.5	-0.5	2.4	-0.5	0.8	0.0	335.7	1.2	-0.3	-0.5	0.8	0.0
				Cargas muertas	144.6	0.1	-0.1	-0.1	-0.1	0.0	144.6	0.4	0.2	-0.1	-0.1	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	316.5	0.0	0.1	-0.2	-0.9	0.0	316.5	0.6	2.9	-0.2	-0.9	0.0
				Viento +X exc.+	0.3	5.4	-0.4	2.9	-0.2	-0.0	0.3	-4.0	0.2	2.9	-0.2	-0.0
				Viento +X exc.-	0.4	5.3	-0.1	2.9	-0.0	0.0	0.4	-3.9	0.0	2.9	-0.0	0.0
				Viento -X exc.+	-0.3	-5.4	0.4	-2.9	0.2	0.0	-0.3	4.0	-0.2	-2.9	0.2	0.0
				Viento -X exc.-	-0.4	-5.3	0.1	-2.9	0.0	0.0	-0.4	3.9	-0.0	-2.9	0.0	0.0
				Viento +Y exc.+	5.6	-0.1	23.9	-0.1	12.3	0.0	5.6	0.2	-16.2	-0.1	12.3	0.0
				Viento +Y exc.-	4.4	0.5	19.4	0.2	9.9	-0.0	4.4	-0.3	-12.9	0.2	9.9	-0.0
				Viento -Y exc.+	-5.6	0.1	-23.9	0.1	-12.3	-0.0	-5.6	-0.2	16.2	0.1	-12.3	-0.0
				Viento -Y exc.-	-4.4	-0.5	-19.4	-0.2	-9.9	0.0	-4.4	0.3	12.9	-0.2	-9.9	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	676.9	1.1	2.3	0.9	1.5	-0.0	660.8	-1.6	-2.6	0.9	1.5	-0.0
				Cargas muertas	276.6	1.0	0.6	0.7	0.5	0.0	276.6	-1.3	-0.9	0.7	0.5	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	422.4	0.9	3.0	0.6	2.1	-0.0	422.4	0.1	-3.9	0.6	2.1	-0.0
				Viento +X exc.+	0.2	11.3	-0.3	7.9	-0.2	-0.0	0.2	-14.2	0.4	7.9	-0.2	-0.0
				Viento +X exc.-	0.3	11.3	0.3	7.8	0.2	0.0	0.3	-14.2	-0.4	7.8	0.2	0.0
				Viento -X exc.+	-0.2	-11.3	0.3	-7.9	0.2	0.0	-0.2	14.2	-0.4	-7.9	0.2	0.0
				Viento -X exc.-	-0.3	-11.3	-0.3	-7.8	-0.2	0.0	-0.3	14.2	0.4	-7.8	-0.2	0.0
				Viento +Y exc.+	6.0	-0.3	48.5	-0.3	32.9	0.0	6.0	0.6	-58.5	-0.3	32.9	0.0
				Viento +Y exc.-	4.6	0.6	37.9	0.3	25.4	-0.0	4.6	-0.5	-44.6	0.3	25.4	-0.0
				Viento -Y exc.+	-6.0	0.3	-48.5	0.3	-32.9	-0.0	-6.0	-0.6	58.5	0.3	-32.9	-0.0
				Viento -Y exc.-	-4.6	-0.6	-37.9	-0.3	-25.4	0.0	-4.6	0.5	44.6	-0.3	-25.4	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	1006.7	0.7	3.1	0.5	1.9	0.0	990.5	-0.8	-3.0	0.5	1.9	0.0
				Cargas muertas	409.6	0.8	1.2	0.5	0.7	0.0	409.6	-0.9	-1.2	0.5	0.7	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	530.3	0.6	2.2	0.4	1.3	0.0	530.3	-0.6	-2.0	0.4	1.3	0.0
				Viento +X exc.+	0.1	14.1	-0.5	9.7	-0.4	-0.0	0.1	-17.5	0.6	9.7	-0.4	-0.0
				Viento +X exc.-	0.2	14.0	0.3	9.7	0.2	0.0	0.2	-17.4	-0.5	9.7	0.2	0.0
				Viento -X exc.+	-0.1	-14.1	0.5	-9.7	0.4	0.0	-0.1	17.5	-0.6	-9.7	0.4	0.0
				Viento -X exc.-	-0.2	-14.0	-0.3	-9.7	-0.2	0.0	-0.2	17.4	0.5	-9.7	-0.2	0.0
				Viento +Y exc.+	4.9	-1.0	58.0	-0.7	39.0	0.1	4.9	1.4	-68.8	-0.7	39.0	0.1
				Viento +Y exc.-	3.6	0.2	42.8	0.1	28.5	-0.0	3.6	0.0	-49.8	0.1	28.5	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1338.9	1.4	2.6	0.9	2.0	0.0	1318.9	-1.3	-3.9	0.9	2.0	0.0
				Cargas muertas	541.3	1.2	2.2	0.7	1.5	0.0	541.3	-1.1	-2.7	0.7	1.5	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	637.6	1.0	2.4	0.6	1.7	0.0	637.6	-0.9	-3.1	0.6	1.7	0.0
				Viento +X exc.+	-0.0	20.7	-0.4	14.0	-0.3	-0.0	-0.0	-24.9	0.6	14.0	-0.3	-0.0
				Viento +X exc.-	0.0	20.6	0.9	14.0	0.6	0.0	0.0	-24.8	-0.9	14.0	0.6	0.0
				Viento -X exc.+	0.0	-20.7	0.4	-14.0	0.3	0.0	0.0	24.9	-0.6	-14.0	0.3	0.0
				Viento -X exc.-	-0.0	-20.6	-0.9	-14.0	-0.6	-0.0	-0.0	24.8	0.9	-14.0	-0.6	-0.0
				Viento +Y exc.+	2.6	-1.2	82.6	-1.0	54.7	0.2	2.6	1.9	-95.2	-1.0	54.7	0.2
				Viento +Y exc.-	2.0	0.2	59.9	0.0	39.4	0.0	2.0	0.1	-68.0	0.0	39.4	0.0
				Viento -Y exc.+	-2.6	1.2	-82.6	1.0	-54.7	-0.2	-2.6	-1.9	95.2	1.0	-54.7	-0.2
				Viento -Y exc.-	-2.0	-0.2	-59.9	-0.0	-39.4	-0.0	-2.0	-0.1	68.0	-0.0	-39.4	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1673.7	1.2	6.2	0.6	3.1	0.0	1653.8	-0.7	-3.7	0.6	3.1	0.0
				Cargas muertas	675.0	1.2	4.5	0.6	1.8	0.0	675.0	-0.8	-1.6	0.6	1.8	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	746.4	0.7	3.1	0.4	1.7	0.0	746.4	-0.5	-2.5	0.4	1.7	0.0
				Viento +X exc.+	-0.1	24.9	-0.6	16.0	-0.6	-0.0	-0.1	-27.0	1.4	16.0	-0.6	-0.0
				Viento +X exc.-	-0.1	24.8	1.0	15.9	0.4	0.0	-0.1	-26.8	-0.3	15.9	0.4	0.0
				Viento -X exc.+	0.1	-24.9	0.6	-16.0	0.6	0.0	0.1	27.0	-1.4	-16.0	0.6	0.0
				Viento -X exc.-	0.1	-24.8	-1.0	-15.9	-0.4	0.0	0.1	26.8	0.3	-15.9	-0.4	0.0
				Viento +Y exc.+	-0.1	-1.7	97.3	-1.4	60.5	0.2	-0.1	2.9	-99.2	-1.4	60.5	0.2
				Viento +Y exc.-	0.1	-0.0	68.8	-0.2	42.6	0.0	0.1	0.5	-69.5	-0.2	42.6	0.0
	P. tercera +14.30	50x50	10.60/13.85	Viento -Y exc.+	0.1	1.7	-97.3	1.4	-60.5	-0.2	0.1	-2.9	99.2	1.4	-60.5	-0.2
				Viento -Y exc.-	-0.1	0.0	-68.8	0.2	-42.6	-0.0	-0.1	-0.5	69.5	0.2	-42.6	-0.0
				Peso propio	2002.5	-0.2	0.4	-0.0	0.1	-0.0	1982.6	-0.2	0.1	-0.0	0.1	-0.0
				Cargas muertas	803.9	-0.6	-1.2	-0.1	-0.7	-0.0	803.9	-0.2	1.0	-0.1	-0.7	-0.0
				H 1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	-0.1	0.0	0.1	0.0
				Sobrecarga de uso	853.2	0.2	2.8	0.1	1.6	0.0	853.2	-0.3	-2.4	0.1	1.6	0.0
				Viento +X exc.+	-0.1	27.4	-0.7	17.4	-1.3	-0.0	-0.1	-29.3	3.4	17.4	-1.3	-0.0
				Viento +X exc.-	-0.3	27.3	1.0	17.3	-0.2	-0.0	-0.3	-29.0	1.6	17.3	-0.2	-0.0
				Viento -X exc.+	0.1	-27.4	0.7	-17.4	1.3	0.0	0.1	29.3	-3.4	-17.4	1.3	0.0
				Viento -X exc.-	0.3	-27.3	-1.0	-17.3	0.2	0.0	0.3	29.0	-1.6	-17.3	0.2	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento +Y exc.+	-7.2	-1.6	106.3	-2.1	64.1	0.2	-7.2	5.2	-101.9	-2.1	64.1	0.2
				Viento +Y exc.-	-4.8	0.0	74.7	-0.3	44.9	0.0	-4.8	1.1	-71.3	-0.3	44.9	0.0
				Viento -Y exc.+	7.2	1.6	-106.3	2.1	-64.1	-0.2	7.2	-5.2	101.9	2.1	-64.1	-0.2
				Viento -Y exc.-	4.8	-0.0	-74.7	0.3	-44.9	-0.0	4.8	-1.1	71.3	0.3	-44.9	-0.0
				Peso propio	2353.6	-2.9	5.8	-1.0	3.2	0.0	2323.0	1.9	-10.1	-1.0	3.2	0.0
				Cargas muertas	942.7	2.5	3.9	0.7	1.3	0.0	942.7	-0.8	-2.8	0.7	1.3	0.0
				H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
				Sobrecarga de uso	963.3	-1.3	1.4	-0.4	0.7	0.0	963.3	0.6	-2.3	-0.4	0.7	0.0
				Viento +X exc.+	0.3	30.9	-6.9	12.1	-3.1	-0.0	0.3	-29.3	8.8	12.1	-3.1	-0.0
				Viento +X exc.-	0.0	30.4	-5.4	11.8	-2.5	-0.0	0.0	-28.8	7.2	11.8	-2.5	-0.0
	P. primera +5.35	50x100	-0.10/4.90	Viento -X exc.+	-0.3	-30.9	6.9	-12.1	3.1	0.0	-0.3	29.3	-8.8	-12.1	3.1	0.0
				Viento -X exc.-	-0.0	-30.4	5.4	-11.8	2.5	0.0	-0.0	28.8	-7.2	-11.8	2.5	0.0
				Viento +Y exc.+	-17.2	-9.9	78.9	-4.4	30.8	0.2	-17.2	12.2	-75.3	-4.4	30.8	0.2
				Viento +Y exc.-	-11.8	-2.3	54.9	-1.2	21.5	0.1	-11.8	3.5	-52.5	-1.2	21.5	0.1
				Viento -Y exc.+	17.2	9.9	-78.9	4.4	-30.8	-0.2	17.2	-12.2	75.3	4.4	-30.8	-0.2
				Viento -Y exc.-	11.8	2.3	-54.9	1.2	-21.5	-0.1	11.8	-3.5	52.5	1.2	-21.5	-0.1
				Peso propio	2713.9	2.4	100.1	-0.3	31.5	0.0	2652.6	3.7	-57.2	-0.3	31.5	0.0
				Cargas muertas	1120.0	12.7	54.2	4.6	20.4	0.0	1120.0	-10.3	-47.6	4.6	20.4	0.0
				H 1	0.2	-0.1	1.5	-0.0	0.3	0.0	0.2	0.1	0.1	-0.0	0.3	0.0
				Sobrecarga de uso	1067.3	-0.2	29.6	-0.5	9.7	0.0	1067.3	2.5	-18.7	-0.5	9.7	0.0
	P. Baja +0.00	50x100	-3.60/-0.45	Viento +X exc.+	-0.2	50.3	-37.4	15.3	-9.3	-0.1	-0.2	-26.1	9.3	15.3	-9.3	-0.1
				Viento +X exc.-	-0.6	49.4	-28.9	15.0	-7.1	-0.1	-0.6	-25.7	6.6	15.0	-7.1	-0.1
				Viento -X exc.+	0.2	-50.3	37.4	-15.3	9.3	0.1	0.2	26.1	-9.3	-15.3	9.3	0.1
				Viento -X exc.-	0.6	-49.4	28.9	-15.0	7.1	0.1	0.6	25.7	-6.6	-15.0	7.1	0.1
				Viento +Y exc.+	-18.1	-16.5	404.3	-4.4	105.9	0.4	-18.1	5.5	-125.2	-4.4	105.9	0.4
				Viento +Y exc.-	-12.5	-3.8	282.6	-0.7	74.3	0.1	-12.5	-0.3	-88.8	-0.7	74.3	0.1
				Viento -Y exc.+	18.1	16.5	-404.3	4.4	-105.9	-0.4	18.1	-5.5	125.2	4.4	-105.9	-0.4
				Viento -Y exc.-	12.5	3.8	-282.6	0.7	-74.3	-0.1	12.5	0.3	88.8	0.7	-74.3	-0.1
				Peso propio	3085.3	5.3	18.7	4.8	16.3	0.0	3046.7	-9.7	-32.6	4.8	16.3	0.0
				Cargas muertas	1351.6	9.4	11.6	8.5	10.8	0.0	1351.6	-17.4	-22.3	8.5	10.8	0.0
	P30	P. cubierta +32.30	40x40	H 1	-5.6	0.1	2.1	0.1	1.8	0.0	-5.6	-0.3	-3.7	0.1	1.8	0.0
				Sobrecarga de uso	1179.2	1.4	6.9	1.3	6.2	0.0	1179.2	-2.7	-12.6	1.3	6.2	0.0
				Viento +X exc.+	-0.7	-15.6	13.5	-14.3	13.4	0.0	-0.7	29.3	-28.6	-14.3	13.4	0.0
				Viento +X exc.-	-1.0	-15.3	10.5	-14.0	10.4	0.0	-1.0	28.8	-22.2	-14.0	10.4	0.0
				Viento -X exc.+	0.7	15.6	-13.5	14.3	-13.4	0.0	0.7	-29.3	28.6	14.3	-13.4	0.0
				Viento -X exc.-	1.0	15.3	-10.5	14.0	-10.4	0.0	1.0	-28.8	22.2	14.0	-10.4	0.0
				Viento +Y exc.+	-15.2	6.3	-128.1	5.5	-135.7	-0.0	-15.2	-11.1	299.5	5.5	-135.7	-0.0
				Viento +Y exc.-	-10.6	2.2	-85.0	1.8	-93.1	-0.0	-10.6	-3.4	208.4	1.8	-93.1	-0.0
				Viento -Y exc.+	15.2	-6.3	128.1	-5.5	135.7	0.0	15.2	11.1	-299.5	-5.5	135.7	0.0
				Viento -Y exc.-	10.6	-2.2	85.0	-1.8	93.1	0.0	10.6	3.4	-208.4	-1.8	93.1	0.0
				Peso propio	330.1	7.2	-8.0	6.9	-6.7	0.0	317.4	-15.2	13.6	6.9	-6.7	0.0
				Cargas muertas	126.4	5.0	-6.7	4.0	-4.9	0.0	126.4	-8.1	9.2	4.0	-4.9	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	249.3	9.2	-12.0	8.2	-11.5	0.0	249.3	-17.4	25.2	8.2	-11.5	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento +X exc.+	-1.5	5.9	-0.6	4.0	-0.4	-0.0	-1.5	-7.2	0.7	4.0	-0.4	-0.0			
				Viento +X exc.-	-1.5	5.8	-0.1	4.0	-0.0	0.0	-1.5	-7.2	-0.0	4.0	-0.0	0.0			
				Viento -X exc.+	1.5	-5.9	0.6	-4.0	0.4	0.0	1.5	7.2	-0.7	-4.0	0.4	0.0			
				Viento -X exc.-	1.5	-5.8	0.1	-4.0	0.0	0.0	1.5	7.2	0.0	-4.0	0.0	0.0			
				Viento +Y exc.+	12.9	-0.2	27.4	-0.2	18.1	0.0	12.9	0.3	-31.4	-0.2	18.1	0.0			
				Viento +Y exc.-	13.2	0.3	19.5	0.2	12.3	-0.0	13.2	-0.2	-20.6	0.2	12.3	-0.0			
				Viento -Y exc.+	-12.9	0.2	-27.4	0.2	-18.1	-0.0	-12.9	-0.3	31.4	0.2	-18.1	-0.0			
				Viento -Y exc.-	-13.2	-0.3	-19.5	-0.2	-12.3	0.0	-13.2	0.2	-20.6	-0.2	-12.3	0.0			
				P. séptima +28.70	45x45	25.00/28.25	Peso propio	648.0	-0.2	-7.9	-0.6	-4.7	-0.0	631.9	1.9	7.4	-0.6	-4.7	-0.0
				Cargas muertas	245.4	3.1	-5.6	1.8	-3.3	0.0	245.4	-2.6	5.1	1.8	-3.3	0.0			
H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0							
Sobrecarga de uso	347.8	1.7	-1.4	0.5	-0.0	-0.0	347.8	0.1	-1.3	0.5	-0.0	-0.0							
Viento +X exc.+	-0.6	9.3	-0.5	6.5	-0.3	-0.0	-0.6	-12.0	0.5	6.5	-0.3	-0.0							
Viento +X exc.-	-0.7	9.2	0.2	6.5	0.1	0.0	-0.7	-11.9	-0.3	6.5	0.1	0.0							
Viento -X exc.+	0.6	-9.3	0.5	-6.5	0.3	0.0	0.6	12.0	-0.5	-6.5	0.3	0.0							
Viento -X exc.-	0.7	-9.2	-0.2	-6.5	-0.1	0.0	0.7	11.9	0.3	-6.5	-0.1	0.0							
Viento +Y exc.+	10.0	-0.7	43.3	-0.5	29.7	0.0	10.0	1.0	-53.2	-0.5	29.7	0.0							
Viento +Y exc.-	10.8	0.1	32.2	0.1	21.8	-0.0	10.8	-0.0	-38.8	0.1	21.8	-0.0							
Viento -Y exc.+	-10.0	0.7	-43.3	0.5	-29.7	-0.0	-10.0	-1.0	53.2	0.5	-29.7	-0.0							
Viento -Y exc.-	-10.8	-0.1	-32.2	-0.1	-21.8	0.0	-10.8	0.0	38.8	-0.1	-21.8	0.0							
P. sexta +25.10	45x45	21.40/24.65	Peso propio	965.6	1.2	-6.0	0.9	-3.9	0.0	949.5	-1.7	6.7	0.9	-3.9	0.0				
			Cargas muertas	364.8	3.1	-4.4	2.0	-2.8	0.0	364.8	-3.5	4.8	2.0	-2.8	0.0				
			H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0					
			Sobrecarga de uso	445.8	2.8	-2.9	1.9	-2.1	0.0	445.8	-3.4	3.8	1.9	-2.1	0.0				
			Viento +X exc.+	0.9	12.0	-0.8	8.5	-0.5	-0.0	0.9	-15.5	0.9	8.5	-0.5	-0.0				
			Viento +X exc.-	0.7	11.9	0.1	8.4	0.1	0.0	0.7	-15.4	-0.3	8.4	0.1	0.0				
			Viento -X exc.+	-0.9	-12.0	0.8	-8.5	0.5	0.0	-0.9	15.5	-0.9	-8.5	0.5	0.0				
			Viento -X exc.-	-0.7	-11.9	-0.1	-8.4	-0.1	0.0	-0.7	15.4	0.3	-8.4	-0.1	0.0				
			Viento +Y exc.+	4.0	-1.6	55.0	-1.1	37.6	0.1	4.0	2.0	-67.2	-1.1	37.6	0.1				
			Viento +Y exc.-	6.3	-0.4	38.5	-0.3	26.0	-0.0	6.3	0.6	-46.1	-0.3	26.0	-0.0				
Viento -Y exc.+	-4.0	1.6	-55.0	1.1	-37.6	-0.1	-4.0	-2.0	67.2	1.1	-37.6	-0.1							
Viento -Y exc.-	-6.3	0.4	-38.5	0.3	-26.0	0.0	-6.3	-0.6	46.1	0.3	-26.0	0.0							
P. quinta +21.50	50x50	17.80/21.05	Peso propio	1285.0	1.6	-9.3	0.9	-5.4	0.0	1265.1	-1.4	8.2	0.9	-5.4	0.0				
			Cargas muertas	482.6	3.9	-4.9	2.4	-2.9	0.0	482.6	-3.9	4.6	2.4	-2.9	0.0				
			H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0					
			Sobrecarga de uso	542.8	3.2	-3.7	2.0	-2.1	0.0	542.8	-3.2	3.2	2.0	-2.1	0.0				
			Viento +X exc.+	3.1	17.3	-0.7	11.9	-0.5	-0.0	3.1	-21.5	1.1	11.9	-0.5	-0.0				
			Viento +X exc.-	2.8	17.2	0.7	11.9	0.4	0.0	2.8	-21.4	-0.6	11.9	0.4	0.0				
			Viento -X exc.+	-3.1	-17.3	0.7	-11.9	0.5	0.0	-3.1	21.5	-1.1	-11.9	0.5	0.0				
			Viento -X exc.-	-2.8	-17.2	-0.7	-11.9	-0.4	-0.0	-2.8	21.4	0.6	-11.9	-0.4	-0.0				
			Viento +Y exc.+	-5.3	-2.3	77.6	-1.6	52.0	0.2	-5.3	2.9	-91.3	-1.6	52.0	0.2				
			Viento +Y exc.-	-0.2	-0.8	53.5	-0.5	35.5	0.0	-0.2	1.0	-62.0	-0.5	35.5	0.0				
Viento -Y exc.+	5.3	2.3	-77.6	1.6	-52.0	-0.2	5.3	-2.9	91.3	1.6	-52.0	-0.2							
Viento -Y exc.-	0.2	0.8	-53.5	0.5	-35.5	-0.0	0.2	-1.0	62.0	0.5	-35.5	-0.0							
P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1606.0	0.9	-4.1	0.5	-3.5	0.0	1586.1	-0.7	7.3	0.5	-3.5	0.0				
			Cargas muertas	601.7	3.1	-1.7	1.9	-2.1	0.0	601.7	-3.2	5.1	1.9	-2.1	0.0				
			H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0				
			Sobrecarga de uso	640.3	2.8	-2.5	1.7	-1.8	0.0	640.3	-2.7	3.3	1.7	-1.8	0.0				
			Viento +X exc.+	6.1	21.0	-1.0	13.6	-0.9	-0.0	6.1	-23.2	1.9	13.6	-0.9	-0.0				
			Viento +X exc.-	5.5	20.9	0.7	13.5	0.2	0.0	5.5	-23.1	0.1	13.5	0.2	0.0				
			Viento -X exc.+	-6.1	-21.0	1.0	-13.6	0.9	0.0	-6.1	23.2	-1.9	-13.6	0.9	0.0				
			Viento -X exc.-	-5.5	-20.9	-0.7	-13.5	-0.2	0.0	-5.5	23.1	-0.1	-13.5	-0.2	0.0				
			Viento +Y exc.+	-16.8	-2.9	93.7	-2.1	58.4	0.2	-16.8	4.1	-96.2	-2.1	58.4	0.2				
			Viento +Y exc.-	-8.0	-1.1	63.2	-0.8	39.2	0.0	-8.0	1.5	-64.2	-0.8	39.2	0.0				
Viento -Y exc.+	16.8	2.9	-93.7	2.1	-58.4	-0.2	16.8	-4.1	96.2	2.1	-58.4	-0.2							
Viento -Y exc.-	8.0	1.1	-63.2	0.8	-39.2	-0.0	8.0	-1.5	64.2	0.8	-39.2	-0.0							
P. tercera +14.30	50x50	10.60/13.85	Peso propio	1920.6	1.0	-12.8	0.4	-7.6	-0.0	1900.7	-0.4	12.0	0.4	-7.6	-0.0				
			Cargas muertas	715.9	4.3	-9.0	2.3	-5.3	-0.0	715.9	-3.3	8.1	2.3	-5.3	-0.0				
			H 1	-0.1	-0.0	0.2	-0.0	0.1	0.0	-0.1	0.0	-0.1	-0.0	0.1	0.0				
			Sobrecarga de uso	735.1	2.9	-3.3	1.7	-2.1	0.0	735.1	-2.6	3.5	1.7	-2.1	0.0				
			Viento +X exc.+	9.8	23.2	-0.6	14.9	-1.4	-0.0	9.8	-25.1	4.0	14.9	-1.4	-0.0				
			Viento +X exc.-	9.0	23.1	1.2	14.8	-0.3	-0.0	9.0	-24.8	2.1	14.8	-0.3	-0.0				
			Viento -X exc.+	-9.8	-23.2	0.6	-14.9	1.4	0.0	-9.8	25.1	-4.0	-14.9	1.4	0.0				
			Viento -X exc.-	-9.0	-23.1	-1.2	-14.8	0.3	0.0	-9.0	24.8	-2.1	-14.8	0.3	0.0				
			Viento +Y exc.+	-33.9	-2.7	100.6	-2.8	61.0	0.2	-33.9	6.4	-97.5	-2.8	61.0	0.2				
			Viento +Y exc.-	-19.4	-1.2	67.2	-1.1	40.7	0.0	-19.4	2.3	-65.0	-1.1	40.7	0.0				
Viento -Y exc.+	33.9	2.7	-100.6	2.8	-61.0	-0.2	33.9	-6.4	97.5	2.8	-61.0	-0.2							
Viento -Y exc.-	19.4	1.2	-67.2	1.1	-40.7	-0.0	19.4	-2.3	65.0	1.1	-40.7	-0.0							
P. segunda +10.70	50x50	5.25/10.25	Peso propio	2254.0	-17.0	0.0	-5.0	0.6	0.0	2223.4	7.9	-3.2	-5.0	0.6	0.0				
			Cargas muertas	839.5	-5.7	0.4	-1.3	-0.2	0.0	839.5	0.8	1.4	-1.3	-0.2	0.0				
			H 1	-0.1	0.1	-0.4	0.0	-0.1	0.0	-0.1	-0.0	0.1	0.0	-0.1	0.0				
			Sobrecarga de uso	833.1	-2.0	-2.3	-0.4	-0.8	0.0	833.1	-0.1	1.6	-0.4	-0.8	0.0				
			Viento +X exc.+	14.0	28.8	-9.6	11.2	-4.1	-0.0	14.0	-26.9	10.7	11.2	-4.1	-0.0				
			Viento +X exc.-	12.7	28.3	-7.6	10.9	-3.3	-0.0	12.7	-26.4	8.8	10.9	-3.3	-0.0				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.90	Viento -X exc.+	-14.0	-28.8	9.6	-11.2	4.1	0.0	-14.0	26.9	-10.7	-11.2	4.1	0.0
				Viento -X exc.-	-12.7	-28.3	7.6	-10.9	3.3	0.0	-12.7	26.4	-8.8	-10.9	3.3	0.0
				Viento +Y exc.+	-53.3	-12.5	93.7	-5.3	34.9	0.2	-53.3	13.9	-81.0	-5.3	34.9	0.2
				Viento +Y exc.-	-32.1	-4.5	62.8	-1.9	23.4	0.1	-32.1	5.0	-54.4	-1.9	23.4	0.1
				Viento -Y exc.+	53.3	12.5	-93.7	5.3	-34.9	-0.2	53.3	-13.9	81.0	5.3	-34.9	-0.2
				Viento -Y exc.-	32.1	4.5	-62.8	1.9	-23.4	-0.1	32.1	-5.0	54.4	1.9	-23.4	-0.1
				Peso propio	2675.9	-33.2	18.1	-15.8	5.1	0.0	2631.8	45.8	-7.3	-15.8	5.1	0.0
				Cargas muertas	1022.9	-11.2	8.1	-5.8	3.1	0.0	1022.9	17.9	-7.3	-5.8	3.1	0.0
				H 1	0.2	-0.4	1.6	-0.1	0.4	0.0	0.2	0.2	-0.3	-0.1	0.4	0.0
				Sobrecarga de uso	947.6	-4.4	2.4	-2.3	0.2	0.0	947.6	7.0	1.1	-2.3	0.2	0.0
				Viento +X exc.+	19.1	50.1	-14.7	14.8	-4.5	-0.1	19.1	-24.0	7.7	14.8	-4.5	-0.1
				Viento +X exc.-	17.4	49.2	-11.4	14.5	-3.5	-0.0	17.4	-23.5	6.1	14.5	-3.5	-0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Viento -X exc.+	-19.1	-50.1	14.7	-14.8	4.5	0.1	-19.1	24.0	-7.7	-14.8	4.5	0.1
				Viento -X exc.-	-17.4	-49.2	11.4	-14.5	3.5	0.0	-17.4	23.5	-6.1	-14.5	3.5	0.0
				Viento +Y exc.+	-70.3	-19.6	140.0	-6.1	42.1	0.2	-70.3	10.8	-70.7	-6.1	42.1	0.2
				Viento +Y exc.-	-43.1	-6.1	94.1	-2.0	28.4	0.1	-43.1	3.8	-47.8	-2.0	28.4	0.1
				Viento -Y exc.+	70.3	19.6	-140.0	6.1	-42.1	-0.2	70.3	-10.8	70.7	6.1	-42.1	-0.2
				Viento -Y exc.-	43.1	6.1	-94.1	2.0	-28.4	-0.1	43.1	-3.8	47.8	2.0	-28.4	-0.1
				Peso propio	3077.4	-11.9	-1.2	-10.7	-1.5	0.0	3049.5	22.0	3.7	-10.7	-1.5	0.0
				Cargas muertas	1216.4	-2.2	-1.5	-2.0	-1.5	0.0	1216.4	4.0	3.3	-2.0	-1.5	0.0
				H 1	-5.6	-0.3	2.1	-0.3	1.8	0.0	-5.6	0.5	-3.7	-0.3	1.8	0.0
				Sobrecarga de uso	1060.1	-1.0	-1.2	-0.8	-1.2	0.0	1060.1	1.7	2.6	-0.8	-1.2	0.0
				Viento +X exc.+	20.1	-15.7	4.5	-14.5	4.1	0.0	20.1	30.1	-8.5	-14.5	4.1	0.0
				Viento +X exc.-	18.4	-15.4	3.5	-14.3	3.2	0.0	18.4	29.6	-6.6	-14.3	3.2	0.0
P31	Casotón ascensor +35.07	HE 180 A	32.20/34.77	Viento -X exc.+	-20.1	15.7	-4.5	14.5	-4.1	0.0	-20.1	-30.1	8.5	14.5	-4.1	0.0
				Viento -X exc.-	-18.4	15.4	-3.5	14.3	-3.2	0.0	-18.4	-29.6	6.6	14.3	-3.2	0.0
				Viento +Y exc.+	-70.7	6.4	-38.5	5.7	-37.4	-0.0	-70.7	-11.6	79.4	5.7	-37.4	-0.0
				Viento +Y exc.-	-43.5	2.2	-24.4	1.8	-24.4	-0.0	-43.5	-3.6	52.6	1.8	-24.4	-0.0
				Viento -Y exc.+	70.7	-6.4	38.5	-5.7	37.4	0.0	70.7	11.6	-79.4	-5.7	37.4	0.0
				Viento -Y exc.-	43.5	-2.2	24.4	-1.8	24.4	0.0	43.5	3.6	-52.6	-1.8	24.4	0.0
	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	153.7	3.5	3.8	3.2	4.9	0.0	152.8	-4.8	-8.8	3.2	4.9	0.0
				Cargas muertas	47.2	1.1	1.2	1.0	1.5	0.0	47.2	-1.5	-2.8	1.0	1.5	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	48.2	0.5	0.6	0.4	1.3	0.0	48.2	-0.5	-2.6	0.4	1.3	0.0
				Viento +X exc.+	-2.8	1.6	0.0	1.3	0.0	0.0	-2.8	-1.6	-0.1	1.3	0.0	0.0
				Viento +X exc.-	-2.7	1.6	0.1	1.2	0.1	0.0	-2.7	-1.6	-0.2	1.2	0.1	0.0
				Viento -X exc.+	2.8	-1.6	-0.0	-1.3	-0.0	0.0	2.8	1.6	0.1	-1.3	-0.0	0.0
				Viento -X exc.-	2.7	-1.6	-0.1	-1.2	-0.1	0.0	2.7	1.6	0.2	-1.2	-0.1	0.0
				Viento +Y exc.+	1.4	-0.2	9.2	-0.1	6.9	0.0	1.4	0.1	-8.5	-0.1	6.9	0.0
				Viento +Y exc.-	0.5	0.2	8.1	0.2	6.0	0.0	0.5	-0.2	-7.3	0.2	6.0	0.0
				Viento -Y exc.+	-1.4	0.2	-9.2	0.1	-6.9	0.0	-1.4	-0.1	8.5	0.1	-6.9	0.0
				Viento -Y exc.-	-0.5	-0.2	-8.1	-0.2	-6.0	0.0	-0.5	0.2	7.3	-0.2	-6.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	413.0	-2.2	5.4	-2.1	3.2	0.0	400.2	4.8	-5.0	-2.1	3.2	0.0
				Cargas muertas	148.2	1.9	2.0	1.2	1.2	0.0	148.2	-2.1	-1.9	1.2	1.2	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	293.4	-6.5	-2.7	-6.7	-4.1	0.0	293.4	15.4	10.6	-6.7	-4.1	0.0
				Viento +X exc.+	0.6	5.9	-0.8	3.9	-0.5	-0.0	0.6	-6.9	0.8	3.9	-0.5	-0.0
				Viento +X exc.-	0.8	5.8	-0.3	3.9	-0.2	0.0	0.8	-6.8	0.2	3.9	-0.2	0.0
				Viento -X exc.+	-0.6	-5.9	0.8	-3.9	0.5	0.0	-0.6	6.9	-0.8	-3.9	0.5	0.0
				Viento -X exc.-	-0.8	-5.8	0.3	-3.9	0.2	0.0	-0.8	6.8	-0.2	-3.9	0.2	0.0
				Viento +Y exc.+	14.1	-0.7	28.7	-0.6	18.9	0.0	14.1	1.3	-32.5	-0.6	18.9	0.0
				Viento +Y exc.-	10.9	0.1	20.1	-0.1	13.0	-0.0	10.9	0.3	-22.0	-0.1	13.0	-0.0
				Viento -Y exc.+	-14.1	0.7	-28.7	0.6	-18.9	-0.0	-14.1	-1.3	32.5	0.6	-18.9	-0.0
				Viento -Y exc.-	-10.9	-0.1	-20.1	0.1	-13.0	0.0	-10.9	-0.3	22.0	0.1	-13.0	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	739.3	0.9	3.6	0.8	2.2	-0.0	723.1	-1.7	-3.6	0.8	2.2	-0.0
				Cargas muertas	281.7	2.7	3.5	1.7	2.3	0.0	281.7	-2.8	-3.9	1.7	2.3	0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	400.0	2.3	4.2	2.2	3.2	-0.0	400.0	-4.7	-6.1	2.2	3.2	-0.0
				Viento +X exc.+	-0.5	10.0	-0.5	7.0	-0.3	-0.0	-0.5	-12.7	0.6	7.0	-0.3	-0.0
				Viento +X exc.-	-0.3	10.0	0.3	7.0	0.2	0.0	-0.3	-12.7	-0.5	7.0	0.2	0.0
				Viento -X exc.+	0.5	-10.0	0.5	-7.0	0.3	0.0	0.5	12.7	-0.6	-7.0	0.3	0.0
				Viento -X exc.-	0.3	-10.0	-0.3	-7.0	-0.2	0.0	0.3	12.7	0.5	-7.0	-0.2	0.0
				Viento +Y exc.+	12.2	-0.3	47.2	-0.3	32.3	0.0	12.2	0.6	-57.8	-0.3	32.3	0.0
				Viento +Y exc.-	9.3	0.6	32.8	0.3	22.2	-0.0	9.3	-0.5	-39.5	0.3	22.2	-0.0
				Viento -Y exc.+	-12.2	0.3	-47.2	0.3	-32.3	-0.0	-12.2	-0.6	57.8	0.3	-32.3	-0.0
				Viento -Y exc.-	-9.3	-0.6	-32.8	-0.3	-22.2	0.0	-9.3	0.5	39.5	-0.3	-22.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	7.9	-1.0	60.9	-0.8	41.5	0.1	7.9	1.5	-74.0	-0.8	41.5	0.1
				Viento +Y exc.-	6.2	0.1	40.6	0.0	27.5	-0.0	6.2	0.1	-48.6	0.0	27.5	-0.0
				Viento -Y exc.+	-7.9	1.0	-60.9	0.8	-41.5	-0.1	-7.9	-1.5	74.0	0.8	-41.5	-0.1
				Viento -Y exc.-	-6.2	-0.1	-40.6	-0.0	-27.5	0.0	-6.2	-0.1	48.6	-0.0	-27.5	0.0
P. quinta +21.50	50x50	17.80/21.05		Peso propio	1396.0	1.8	4.4	0.7	3.1	0.0	1376.1	-0.5	-5.8	0.7	3.1	0.0
				Cargas muertas	548.2	3.9	5.7	2.3	3.7	0.0	548.2	-3.5	-6.3	2.3	3.7	0.0
				H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	615.3	1.5	3.3	0.8	2.2	0.0	615.3	-1.1	-4.0	0.8	2.2	0.0
				Viento +X exc.+	-4.8	18.6	-0.7	12.7	-0.6	-0.0	-4.8	-22.7	1.1	12.7	-0.6	-0.0
				Viento +X exc.-	-4.8	18.6	1.0	12.7	0.6	0.0	-4.8	-22.6	-0.9	12.7	0.6	0.0
				Viento -X exc.+	4.8	-18.6	0.7	-12.7	0.6	0.0	4.8	22.7	-1.1	-12.7	0.6	0.0
				Viento -X exc.-	4.8	-18.6	-1.0	-12.7	-0.6	-0.0	4.8	22.6	0.9	-12.7	-0.6	-0.0
				Viento +Y exc.+	1.1	-1.1	87.1	-0.9	58.1	0.2	1.1	1.8	-101.8	-0.9	58.1	0.2
				Viento +Y exc.-	1.6	0.2	57.1	0.0	37.9	0.0	1.6	0.1	-66.1	0.0	37.9	0.0
				Viento -Y exc.+	-1.1	1.1	-87.1	0.9	-58.1	-0.2	-1.1	-1.8	101.8	0.9	-58.1	-0.2
				Viento -Y exc.-	-1.6	-0.2	-57.1	-0.0	-37.9	-0.0	-1.6	-0.1	66.1	-0.0	-37.9	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Peso propio	1724.7	-0.0	9.2	0.3	4.7	0.0	1704.7	-1.1	-6.0	0.3	4.7	0.0
				Cargas muertas	680.9	3.7	8.4	2.3	4.1	0.0	680.9	-3.7	-4.9	2.3	4.1	0.0
				H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	722.4	0.7	4.2	0.5	2.4	0.0	722.4	-1.0	-3.5	0.5	2.4	0.0
				Viento +X exc.+	-8.2	22.5	-0.9	14.6	-0.9	-0.0	-8.2	-24.8	2.1	14.6	-0.9	-0.0
				Viento +X exc.-	-8.4	22.4	1.1	14.5	0.4	0.0	-8.4	-24.7	-0.1	14.5	0.4	0.0
				Viento -X exc.+	8.2	-22.5	0.9	-14.6	0.9	0.0	8.2	24.8	-2.1	-14.6	0.9	0.0
				Viento -X exc.-	8.4	-22.4	-1.1	-14.5	-0.4	0.0	8.4	24.7	0.1	-14.5	-0.4	0.0
				Viento +Y exc.+	-7.3	-1.4	103.5	-1.3	64.8	0.2	-7.3	2.7	-107.2	-1.3	64.8	0.2
				Viento +Y exc.-	-4.0	0.0	66.8	-0.1	41.7	0.0	-4.0	0.4	-68.7	-0.1	41.7	0.0
				Viento -Y exc.+	7.3	1.4	-103.5	1.3	-64.8	-0.2	7.3	-2.7	107.2	1.3	-64.8	-0.2
				Viento -Y exc.-	4.0	-0.0	-66.8	0.1	-41.7	-0.0	4.0	-0.4	68.7	0.1	-41.7	-0.0
P. tercera +14.30	50x50	10.60/13.85		Peso propio	2047.6	9.6	-0.6	3.9	-0.1	-0.0	2027.7	-3.2	-0.3	3.9	-0.1	-0.0
				Cargas muertas	809.9	4.8	0.4	2.7	0.5	-0.0	809.9	-3.9	-1.1	2.7	0.5	-0.0
				H 1	-0.1	0.1	0.2	0.0	0.1	0.0	-0.1	-0.0	-0.1	0.0	0.1	0.0
				Sobrecarga de uso	827.6	3.8	3.5	1.7	2.1	0.0	827.6	-1.6	-3.2	1.7	2.1	0.0
				Viento +X exc.+	-12.4	26.7	-1.2	16.7	-1.8	-0.0	-12.4	-27.5	4.6	16.7	-1.8	-0.0
				Viento +X exc.-	-12.8	26.6	1.2	16.6	-0.3	-0.0	-12.8	-27.3	2.2	16.6	-0.3	-0.0
				Viento -X exc.+	12.4	-26.7	1.2	-16.7	1.8	0.0	12.4	27.5	-4.6	-16.7	1.8	0.0
				Viento -X exc.-	12.8	-26.6	-1.2	-16.6	0.3	0.0	12.8	27.3	-2.2	-16.6	0.3	0.0
				Viento +Y exc.+	-21.0	-1.3	118.9	-1.9	70.8	0.2	-21.0	4.8	-111.2	-1.9	70.8	0.2
				Viento +Y exc.-	-13.0	0.2	75.9	-0.2	45.2	0.0	-13.0	1.0	-71.1	-0.2	45.2	0.0
				Viento -Y exc.+	21.0	1.3	-118.9	1.9	-70.8	-0.2	21.0	-4.8	111.2	1.9	-70.8	-0.2
				Viento -Y exc.-	13.0	-0.2	-75.9	0.2	-45.2	-0.0	13.0	-1.0	71.1	0.2	-45.2	-0.0
P. segunda +10.70	50x50	5.25/10.25		Peso propio	2405.4	15.6	21.7	5.8	8.1	0.0	2374.7	-13.2	-18.7	5.8	8.1	0.0
				Cargas muertas	954.6	10.9	11.2	3.7	3.7	0.0	954.6	-7.4	-7.3	3.7	3.7	0.0
				H 1	-0.3	-0.1	-0.3	-0.0	-0.1	0.0	-0.3	0.0	0.1	-0.0	-0.1	0.0
				Sobrecarga de uso	939.3	5.2	4.9	2.0	1.9	0.0	939.3	-4.7	-4.4	2.0	1.9	0.0
				Viento +X exc.+	-16.0	31.5	-11.0	12.3	-4.7	-0.0	-16.0	-29.8	12.5	12.3	-4.7	-0.0
				Viento +X exc.-	-16.6	31.0	-8.5	12.0	-3.7	-0.0	-16.6	-29.2	10.1	12.0	-3.7	-0.0
				Viento -X exc.+	16.0	-31.5	11.0	-12.3	4.7	0.0	16.0	29.8	-12.5	-12.3	4.7	0.0
				Viento -X exc.-	16.6	-31.0	8.5	-12.0	3.7	0.0	16.6	29.2	-10.1	-12.0	3.7	0.0
				Viento +Y exc.+	-32.5	-10.8	108.3	-4.7	41.1	0.2	-32.5	12.6	-97.0	-4.7	41.1	0.2
				Viento +Y exc.-	-20.8	-2.9	70.3	-1.3	26.7	0.1	-20.8	3.7	-63.2	-1.3	26.7	0.1
				Viento -Y exc.+	32.5	10.8	-108.3	4.7	-41.1	-0.2	32.5	-12.6	97.0	4.7	-41.1	-0.2
				Viento -Y exc.-	20.8	2.9	-70.3	1.3	-26.7	-0.1	20.8	-3.7	63.2	1.3	-26.7	-0.1
P. primera +5.35	60x60	-0.10/4.90		Peso propio	2895.3	18.5	62.1	9.2	24.3	0.0	2851.2	-27.7	-59.2	9.2	24.3	0.0
				Cargas muertas	1158.8	14.2	29.8	7.2	12.3	0.0	1158.8	-22.0	-31.9	7.2	12.3	0.0
				H 1	0.3	0.5	1.6	0.1	0.4	0.0	0.3	0.1	-0.3	0.1	0.4	0.0
				Sobrecarga de uso	1077.1	6.2	16.1	3.0	6.2	0.0	1077.1	-9.0	-14.7	3.0	6.2	0.0
				Viento +X exc.+	-18.5	51.2	-16.6	15.7	-5.1	-0.1	-18.5	-27.1	8.6	15.7	-5.1	-0.1
				Viento +X exc.-	-19.4	50.3	-12.8	15.4	-3.9	-0.0	-19.4	-26.6	6.5	15.4	-3.9	-0.0
				Viento -X exc.+	18.5	-51.2	16.6	-15.7	5.1	0.1	18.5	27.1	-8.6	-15.7	5.1	0.1
				Viento -X exc.-	19.4	-50.3	12.8	-15.4	3.9	0.0	19.4	26.6	-6.5	-15.4	3.9	0.0
				Viento +Y exc.+	-41.2	-17.8	153.0	-5.1	47.2	0.2	-41.2	7.5	-82.8	-5.1	47.2	0.2
				Viento +Y exc.-	-26.9	-4.6	99.2	-1.1	30.7	0.1	-26.9	1.1	-54.1	-1.1	30.7	0.1
				Viento -Y exc.+	41.2	17.8	-153.0	5.1	-47.2	-0.2	41.2	-7.5	82.8	5.1	-47.2	-0.2
				Viento -Y exc.-	26.9	4.6	-99.2	1.1	-30.7	-0.1	26.9	-1.1	54.1	1.1	-30.7	-0.1
P. Baja +0.00	60x90	-3.60/-0.45		Peso propio	3341.9	4.1	18.3	3.7	16.1	0.0	3314.1	-7.7	-32.6	3.7	16.1	0.0
				Cargas muertas	1376.0	2.9	8.8	2.7	7.9	0.0	1376.0	-5.6	-16.1	2.7	7.9	0.0
				H 1	-7.1	0.8	2.0	0.8	1.7	0.0	-7.1	-1.6	-3.5	0.8	1.7	0.0
				Sobrecarga de uso	1207.9	1.7	5.3	1.6	4.7	0.0	1207.9	-3.2	-9.4	1.6	4.7	0.0
				Viento +X exc.+	-18.8	-16.4	5.1	-15.2	4.7	0.0	-18.8	31.5	-9.6	-15.2	4.7	0.0
				Viento +X exc.-	-19.6	-16.1	3.9	-14.9	3.6	0.0	-19.6	30.9	-7.4	-14.9	3.6	0.0
				Viento -X exc.+	18.8	16.4	-5.1	15.2	-4.7	0.0	18.8	-31.5	9.6	15.2	-4.7	0.0
				Viento -X exc.-	19.6	16.1	-3.9	14.9	-3.6	0.0	19.6	-30.9	7.4	14.9	-3.6	0.0
				Viento +Y exc.+	-40.4	6.5	-42.1	5.8	-40.7	-0.0	-40.4	-11.8	85.9	5.8	-40.7	-0.0
				Viento +Y exc.-	-26.7	2.3	-25.8	1.9	-25.6	-0.0	-26.7	-3.6	54.9	1.9	-25.6	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P32	P. cubierta +32.30	Diámetro 50	28.60/31.85	Viento -Y exc.+	40.4	-6.5	42.1	-5.8	40.7	0.0	40.4	11.8	-85.9	-5.8	40.7	0.0
				Viento -Y exc.-	26.7	-2.3	25.8	-1.9	25.6	0.0	26.7	3.6	-54.9	-1.9	25.6	0.0
				Peso propio	242.9	47.8	0.7	26.1	-0.2	0.0	227.2	-37.0	1.3	26.1	-0.2	0.0
				Cargas muertas	163.8	-6.4	0.0	-3.8	0.1	0.0	163.8	6.0	-0.3	-3.8	0.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	192.1	26.0	-0.1	17.1	-0.9	0.0	192.1	-29.6	2.8	17.1	-0.9	0.0
				Viento +X exc.+	2.0	4.9	-0.8	2.9	-0.4	-0.0	2.0	-4.5	0.4	2.9	-0.4	-0.0
				Viento +X exc.-	2.0	4.8	-0.2	2.9	-0.0	0.0	2.0	-4.5	-0.0	2.9	-0.0	0.0
				Viento -X exc.+	-2.0	-4.9	0.8	-2.9	0.4	0.0	-2.0	4.5	-0.4	-2.9	0.4	0.0
				Viento -X exc.-	-2.0	-4.8	0.2	-2.9	0.0	0.0	-2.0	4.5	0.0	-2.9	0.0	0.0
				Viento +Y exc.+	1.1	0.3	30.6	0.2	16.0	0.0	1.1	-0.5	-21.3	0.2	16.0	0.0
				Viento +Y exc.-	0.9	0.8	20.5	0.5	10.7	-0.0	0.9	-0.8	-14.1	0.5	10.7	-0.0
				Viento -Y exc.+	-1.1	-0.3	-30.6	-0.2	-16.0	-0.0	-1.1	0.5	21.3	-0.2	-16.0	-0.0
				Viento -Y exc.-	-0.9	-0.8	-20.5	-0.5	-10.7	0.0	-0.9	0.8	14.1	-0.5	-10.7	0.0
	P. séptima +28.70	Diámetro 50	25.00/28.25	Peso propio	468.3	47.2	-1.9	29.2	-1.2	-0.0	452.7	-47.8	2.0	29.2	-1.2	-0.0
				Cargas muertas	309.8	-5.2	0.2	-3.1	0.2	0.0	309.8	4.8	-0.4	-3.1	0.2	0.0
				H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	260.7	15.2	-0.1	8.6	0.1	-0.0	260.7	-12.6	-0.4	8.6	0.1	-0.0
				Viento +X exc.+	5.4	5.8	-0.5	4.4	-0.3	-0.0	5.4	-8.4	0.6	4.4	-0.3	-0.0
				Viento +X exc.-	5.4	5.7	0.4	4.3	0.3	0.0	5.4	-8.3	-0.5	4.3	0.3	0.0
				Viento -X exc.+	-5.4	-5.8	0.5	-4.4	0.3	0.0	-5.4	8.4	-0.6	-4.4	0.3	0.0
				Viento -X exc.-	-5.4	-5.7	-0.4	-4.3	-0.3	0.0	-5.4	8.3	0.5	-4.3	-0.3	0.0
				Viento +Y exc.+	-0.3	-0.1	42.9	-0.2	29.6	0.0	-0.3	0.5	-53.3	-0.2	29.6	0.0
				Viento +Y exc.-	0.2	0.4	27.9	0.1	19.1	-0.0	0.2	-0.1	-34.1	0.1	19.1	-0.0
				Viento -Y exc.+	0.3	0.1	-42.9	0.2	-29.6	-0.0	0.3	-0.5	53.3	0.2	-29.6	-0.0
				Viento -Y exc.-	-0.2	-0.4	-27.9	-0.1	-19.1	0.0	-0.2	0.1	34.1	-0.1	-19.1	0.0
	P. sexta +25.10	Diámetro 50	21.40/24.65	Peso propio	694.0	50.1	-0.5	30.3	-0.3	0.0	678.3	-48.4	0.4	30.3	-0.3	0.0
				Cargas muertas	456.3	-4.2	0.9	-2.8	0.6	0.0	456.3	4.9	-1.0	-2.8	0.6	0.0
				H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	329.4	18.6	-0.1	11.4	-0.1	0.0	329.4	-18.5	0.2	11.4	-0.1	0.0
				Viento +X exc.+	10.1	10.4	-1.0	7.0	-0.6	-0.0	10.1	-12.4	1.0	7.0	-0.6	-0.0
				Viento +X exc.-	10.0	10.3	0.5	7.0	0.3	0.0	10.0	-12.3	-0.6	7.0	0.3	0.0
				Viento -X exc.+	-10.1	-10.4	1.0	-7.0	0.6	0.0	-10.1	12.4	-1.0	-7.0	0.6	0.0
				Viento -X exc.-	-10.0	-10.3	-0.5	-7.0	-0.3	0.0	-10.0	12.3	0.6	-7.0	-0.3	0.0
				Viento +Y exc.+	-2.9	-1.0	69.5	-0.7	44.6	0.1	-2.9	1.2	-75.5	-0.7	44.6	0.1
				Viento +Y exc.-	-1.3	-0.1	44.0	-0.1	28.1	-0.0	-1.3	0.1	-47.4	-0.1	28.1	-0.0
				Viento -Y exc.+	2.9	1.0	-69.5	0.7	-44.6	-0.1	2.9	-1.2	75.5	0.7	-44.6	-0.1
				Viento -Y exc.-	1.3	0.1	-44.0	0.1	-28.1	0.0	1.3	-0.1	47.4	0.1	-28.1	0.0
	P. quinta +21.50	Diámetro 50	17.80/21.05	Peso propio	917.8	27.8	-0.7	21.0	-0.4	0.0	902.1	-40.6	0.5	21.0	-0.4	0.0
				Cargas muertas	602.1	-10.9	1.8	-5.6	1.1	0.0	602.1	7.1	-1.8	-5.6	1.1	0.0
				H 1	0.2	0.0	-0.0	0.0	-0.0	0.0	0.2	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	397.5	9.3	0.0	7.2	0.0	0.0	397.5	-14.2	-0.1	7.2	0.0	0.0
				Viento +X exc.+	16.1	8.6	-0.5	6.5	-0.4	-0.0	16.1	-12.5	0.9	6.5	-0.4	-0.0
				Viento +X exc.-	15.9	8.6	0.8	6.5	0.5	0.0	15.9	-12.5	-0.8	6.5	0.5	0.0
				Viento -X exc.+	-16.1	-8.6	0.5	-6.5	0.4	0.0	-16.1	12.5	-0.9	-6.5	0.4	0.0
				Viento -X exc.-	-15.9	-8.6	-0.8	-6.5	-0.5	-0.0	-15.9	12.5	0.8	-6.5	-0.5	-0.0
				Viento +Y exc.+	-6.9	-0.5	62.1	-0.5	43.2	0.1	-6.9	1.2	-78.2	-0.5	43.2	0.1
				Viento +Y exc.-	-3.5	0.0	38.8	-0.1	26.9	0.0	-3.5	0.2	-48.5	-0.1	26.9	0.0
				Viento -Y exc.+	6.9	0.5	-62.1	0.5	-43.2	-0.1	6.9	-1.2	78.2	0.5	-43.2	-0.1
				Viento -Y exc.-	3.5	-0.0	-38.8	0.1	-26.9	-0.0	3.5	-0.2	48.5	0.1	-26.9	-0.0
	P. cuarta +17.90	Diámetro 60	14.20/17.45	Peso propio	1152.4	42.8	5.0	23.1	2.0	0.0	1129.9	-32.3	-1.6	23.1	2.0	0.0
				Cargas muertas	748.7	-18.0	5.2	-13.5	2.3	0.0	748.7	25.8	-2.3	-13.5	2.3	0.0
				H 1	0.2	0.1	-0.1	0.0	-0.0	0.0	0.2	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	466.8	14.6	1.0	7.6	0.5	0.0	466.8	-10.0	-0.7	7.6	0.5	0.0
				Viento +X exc.+	24.0	16.5	-0.8	11.3	-1.0	-0.0	24.0	-20.2	2.5	11.3	-1.0	-0.0
				Viento +X exc.-	23.6	16.4	1.6	11.2	0.6	0.0	23.6	-20.1	-0.3	11.2	0.6	0.0
				Viento -X exc.+	-24.0	-16.5	0.8	-11.3	1.0	0.0	-24.0	20.2	-2.5	-11.3	1.0	0.0
				Viento -X exc.-	-23.6	-16.4	-1.6	-11.2	-0.6	0.0	-23.6	20.1	0.3	-11.2	-0.6	0.0
				Viento +Y exc.+	-12.8	-1.5	114.9	-1.3	74.9	0.3	-12.8	2.6	-128.4	-1.3	74.9	0.3
				Viento +Y exc.-	-6.8	-0.4	71.3	-0.3	46.3	0.0	-6.8	0.6	-79.2	-0.3	46.3	0.0
				Viento -Y exc.+	12.8	1.5	-114.9	1.3	-74.9	-0.3	12.8	-2.6	128.4	1.3	-74.9	-0.3
				Viento -Y exc.-	6.8	0.4	-71.3	0.3	-46.3	-0.0	6.8	-0.6	79.2	0.3	-46.3	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1388.1	53.5	-10.6	33.0	-6.0	-0.0	1365.6	-53.9	8.7	33.0	-6.0	-0.0
				Cargas muertas	895.0	11.9	-4.2	3.9	-2.9	-0.0	895.0	-0.7	5.1	3.9	-2.9	-0.0
				H 1	0.3	-0.3	0.0	-0.1	0.0	0.0	0.3	0.1	-0.0	-0.1	0.0	0.0
				Sobrecarga de uso	536.1	20.5	-0.6	12.4	-0.5	0.0	536.1	-19.9	1.0	12.4	-0.5	0.0
				Viento +X exc.+	33.4	17.2	-0.4	11.4	-1.8	-0.0	33.4	-19.9	5.4	11.4	-1.8	-0.0
				Viento +X exc.-	32.9	17.2	2.4	11.4	-0.1	-0.0	32.9	-19.7	2.7	11.4	-0.1	-0.0
				Viento -X exc.+	-33.4	-17.2	0.4	-11.4	1.8	0.0	-33.4	19.9	-5.4	-11.4	1.8	0.0
				Viento -X exc.-	-32.9	-17.2	-2.4	-11.4	0.1	0.0	-32.9	19.7	-2.7	-11.4	0.1	0.0
				Viento +Y exc.+	-21.7	0.6	129.9	-1.4	76.2	0.3	-21.7	5.0	-117.6	-1.4	76.2	0.3
				Viento +Y exc.-	-11.8	0.3	79.1	-0.4	46.5	0.1	-11.8	1.6	-72.1	-0.4	46.5	0.1
				Viento -Y exc.+	21.7	-0.6	-129.9	1.4	-76.2	-0.3	21.7	-5.0	117.6	1.4	-76.2	-0.3
				Viento -Y exc.-	11.8	-0.3	-79.1	0.4	-46.5	-0.1	11.8	-1.6	72.1	0.4	-46.5	-0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza						
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1648.1	31.4	3.8	12.8	2.6	0.0	1613.4	-32.8	-9.1	12.8	2.6	0.0	
				Cargas muertas	1000.9	-13.0	2.4	-2.2	1.0	0.0	1000.9	-2.2	-2.9	-2.2	1.0	0.0	
				H 1	0.4	1.4	-0.1	0.4	-0.1	0.0	0.4	-0.5	0.1	0.4	-0.1	0.0	
				Sobrecarga de uso	606.0	12.8	-0.4	5.2	0.1	0.0	606.0	-13.4	-0.8	5.2	0.1	0.0	
				Viento +X exc.+	44.2	24.7	-13.8	9.7	-5.9	-0.1	44.2	-23.8	15.8	9.7	-5.9	-0.1	
				Viento +X exc.-	43.3	24.3	-10.8	9.5	-4.7	-0.0	43.3	-23.3	12.9	9.5	-4.7	-0.0	
				Viento -X exc.+	-44.2	-24.7	13.8	-9.7	5.9	0.1	-44.2	23.8	-15.8	-9.7	5.9	0.1	
				Viento -X exc.-	-43.3	-24.3	10.8	-9.5	4.7	0.0	-43.3	23.3	-12.9	-9.5	4.7	0.0	
				Viento +Y exc.+	-33.0	-9.9	126.4	-4.5	47.8	0.3	-33.0	12.6	-112.8	-4.5	47.8	0.3	
				Viento +Y exc.-	-17.9	-3.2	79.4	-1.5	30.2	0.1	-17.9	4.2	-71.4	-1.5	30.2	0.1	
				Viento -Y exc.+	33.0	9.9	-126.4	4.5	-47.8	-0.3	33.0	-12.6	112.8	4.5	-47.8	-0.3	
				Viento -Y exc.-	17.9	3.2	-79.4	1.5	-30.2	-0.1	17.9	-4.2	71.4	1.5	-30.2	-0.1	
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	1920.9	46.8	23.8	18.9	7.2	0.0	1876.8	-47.7	-12.2	18.9	7.2	0.0	
				Cargas muertas	1230.6	-4.9	10.0	-6.9	3.5	0.0	1230.6	29.4	-7.3	-6.9	3.5	0.0	
				H 1	0.3	-8.2	-0.0	-2.0	-0.0	0.0	0.3	1.9	0.0	-2.0	-0.0	0.0	
				Sobrecarga de uso	675.8	17.8	5.6	7.4	1.6	0.0	675.8	-19.0	-2.4	7.4	1.6	0.0	
				Viento +X exc.+	55.8	52.5	-23.1	13.4	-6.8	-0.1	55.8	-14.6	10.8	13.4	-6.8	-0.1	
				Viento +X exc.-	54.4	51.5	-17.9	13.2	-5.2	-0.0	54.4	-14.3	8.3	13.2	-5.2	-0.0	
				Viento -X exc.+	-55.8	-52.5	23.1	-13.4	6.8	0.1	-55.8	14.6	-10.8	-13.4	6.8	0.1	
				Viento -X exc.-	-54.4	-51.5	17.9	-13.2	5.2	0.0	-54.4	14.3	-8.3	-13.2	5.2	0.0	
				Viento +Y exc.+	-46.9	-19.8	197.4	-5.0	57.7	0.2	-46.9	5.3	-91.1	-5.0	57.7	0.2	
				Viento +Y exc.-	-25.3	-5.9	123.8	-1.5	36.2	0.1	-25.3	1.4	-57.3	-1.5	36.2	0.1	
				Viento -Y exc.+	46.9	19.8	-197.4	5.0	-57.7	-0.2	46.9	-5.3	91.1	5.0	-57.7	-0.2	
				Viento -Y exc.-	25.3	5.9	-123.8	1.5	-36.2	-0.1	25.3	-1.4	57.3	1.5	-36.2	-0.1	
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	498.4	34.6	1.7	63.1	8.6	0.1	1463.8	-36.8	6.2	105.3	-3.4	-0.7	
				Cargas muertas	340.3	17.1	0.3	33.1	2.0	0.1	934.0	-22.2	2.4	83.4	1.3	-0.5	
				H 1	82.4	-29.4	-0.1	-54.9	0.5	0.1	-28.1	-0.1	0.1	27.3	2.0	0.0	
				Sobrecarga de uso	159.7	12.7	0.5	23.0	2.5	0.0	512.8	-13.3	1.7	35.5	-0.5	-0.2	
				Viento +X exc.+	31.3	-4.9	-0.1	-7.1	-0.4	-0.0	-19.3	17.5	-4.5	-17.4	13.3	0.3	
				Viento +X exc.-	30.7	-4.8	-0.0	-7.0	-0.3	-0.0	-19.0	17.2	-3.5	-17.1	10.3	0.3	
				Viento -X exc.+	-31.3	4.9	0.1	7.1	0.4	0.0	19.3	-17.5	4.5	17.4	-13.3	-0.3	
				Viento -X exc.-	-30.7	4.8	0.0	7.0	0.3	0.0	19.0	-17.2	3.5	17.1	-10.3	-0.3	
				Viento +Y exc.+	-21.0	1.8	7.3	2.2	35.7	0.2	-7.4	-5.7	41.6	5.7	-82.0	-2.6	
				Viento +Y exc.-	-11.5	0.7	7.2	0.5	34.4	0.1	-8.7	-1.4	26.4	1.4	-38.8	-1.6	
				Viento -Y exc.+	21.0	-1.8	-7.3	-2.2	-35.7	-0.2	7.4	5.7	-41.6	-5.7	82.0	2.6	
				Viento -Y exc.-	11.5	-0.7	-7.2	-0.5	-34.4	-0.1	8.7	1.4	-26.4	-1.4	38.8	1.6	
P33	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	236.4	-32.1	0.2	-17.4	0.0	0.0	223.7	24.3	0.1	-17.4	0.0	0.0	
				Cargas muertas	159.4	6.9	-1.0	4.3	-0.9	0.0	159.4	-7.1	1.9	4.3	-0.9	0.0	0.0
				H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	
				Sobrecarga de uso	186.8	-18.2	0.8	-11.9	0.6	0.0	186.8	20.3	-1.2	-11.9	0.6	0.0	0.0
				Viento +X exc.+	-1.5	3.8	0.8	2.2	0.4	-0.0	-1.5	-3.4	-0.5	2.2	0.4	-0.0	0.0
				Viento +X exc.-	-1.6	3.8	0.3	2.2	0.1	0.0	-1.6	-3.4	-0.2	2.2	0.1	0.0	0.0
				Viento -X exc.+	1.5	-3.8	-0.8	-2.2	-0.4	0.0	1.5	3.4	0.5	-2.2	-0.4	0.0	0.0
				Viento -X exc.-	1.6	-3.8	-0.3	-2.2	-0.1	0.0	1.6	3.4	0.2	-2.2	-0.1	0.0	0.0
				Viento +Y exc.+	1.2	-0.2	19.6	-0.0	9.8	0.0	1.2	-0.1	-12.1	-0.0	9.8	0.0	0.0
				Viento +Y exc.-	1.4	-0.4	28.5	-0.1	14.3	-0.0	1.4	0.1	-18.1	-0.1	14.3	-0.0	0.0
				Viento -Y exc.+	-1.2	0.2	-19.6	0.0	-9.8	-0.0	-1.2	0.1	12.1	0.0	-9.8	-0.0	0.0
				Viento -Y exc.-	-1.4	0.4	-28.5	0.1	-14.3	0.0	-1.4	-0.1	18.1	0.1	-14.3	0.0	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	467.1	-49.6	1.6	-30.8	1.0	-0.0	450.9	50.6	-1.7	-30.8	1.0	-0.0	
				Cargas muertas	313.8	4.5	1.0	3.1	0.7	0.0	313.8	-5.7	-1.4	3.1	0.7	0.0	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	
				Sobrecarga de uso	261.9	-17.6	0.3	-10.2	0.0	-0.0	261.9	15.4	0.2	-10.2	0.0	-0.0	0.0
				Viento +X exc.+	-5.0	6.9	1.1	5.2	0.7	-0.0	-5.0	-10.0	-1.2	5.2	0.7	-0.0	0.0
				Viento +X exc.-	-5.1	6.9	0.1	5.2	0.0	0.0	-5.1	-10.0	-0.0	5.2	0.0	0.0	0.0
				Viento -X exc.+	5.0	-6.9	-1.1	-5.2	-0.7	0.0	5.0	10.0	1.2	-5.2	-0.7	0.0	0.0
				Viento -X exc.-	5.1	-6.9	-0.1	-5.2	-0.0	0.0	5.1	10.0	0.0	-5.2	-0.0	0.0	0.0
				Viento +Y exc.+	4.6	-0.3	32.7	-0.0	20.0	0.0	4.6	-0.1	-32.4	-0.0	20.0	0.0	0.0
				Viento +Y exc.-	6.6	-1.0	50.3	-0.6	31.8	-0.0	6.6	0.9	-53.0	-0.6	31.8	-0.0	0.0
				Viento -Y exc.+	-4.6	0.3	-32.7	0.0	-20.0	-0.0	-4.6	0.1	32.4	0.0	-20.0	-0.0	0.0
				Viento -Y exc.-	-6.6	1.0	-50.3	0.6	-31.8	0.0	-6.6	-0.9	53.0	0.6	-31.8	0.0	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	696.2	-34.7	0.9	-23.5	0.4	0.0	680.1	41.6	-0.3	-23.5	0.4	0.0	
				Cargas muertas	467.2	8.2	0.4	4.3	0.1	0.0	467.2	-5.7	-0.0	4.3	0.1	0.0	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	
				Sobrecarga de uso	335.9	-13.5	0.2	-9.4	0.0	0.0	335.9	17.1	0.1	-9.4	0.0	0.0	0.0
				Viento +X exc.+	-9.9	9.0	1.1	6.6	0.8	-0.0	-9.9	-12.6	-1.3	6.6	0.8	-0.0	0.0
				Viento +X exc.-	-10.2	9.0	0.0	6.7	0.0	0.0	-10.2	-12.7	-0.0	6.7	0.0	0.0	0.0
				Viento -X exc.+	9.9	-9.0	-1.1	-6.6	-0.8	0.0	9.9	12.6	1.3	-6.6	-0.8	0.0	0.0
				Viento -X exc.-	10.2	-9.0	-0.0	-6.7	-0.0	0.0	10.2	12.7	0.0	-6.7	-0.0	0.0	0.0
				Viento +Y exc.+	7.6	0.4	22.1	0.3	13.2	0.1	7.6	-0.8	-20.8	0.3	13.2	0.1	0.0
				Viento +Y exc.-	12.4	-0.4	41.2	-0.2	26.1	-0.0	12.4	0.4	-43.6	-0.2	26.1	-0.0	0.0
				Viento -Y exc.+	-7.6	-0.4	-22.1	-0.3	-13.2	-0.1	-7.6	0.8	20.8	-0.3	-13.2	-0.1	0.0
				Viento -Y exc.-	-12.4	0.4	-41.2	0.2	-26.1	0.0	-12.4	-0.4	43.6	0.2	-26.1	0.0	0.0
P. quinta +21.50	50x50	17.80/21.05	Peso propio	931.2	-48.3	1.2	-28.2	0.7	0.0	911.3	43.5	-1.2	-28.2	0.7	0.0		
			Cargas muertas	621.4	6.0	0.6	5.5	0.3	0.0	621.4	-11.8	-0.5	5.5	0.3	0.0	0.0	





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	410.7	-18.5	0.2	-10.6	0.0	0.0	410.7	16.0	0.1	-10.6	0.0	0.0
				Viento +X exc.+	-16.6	13.1	1.4	9.2	1.0	-0.0	-16.6	-17.0	-1.8	9.2	1.0	-0.0
				Viento +X exc.-	-17.1	13.2	-0.2	9.3	-0.1	0.0	-17.1	-17.1	0.0	9.3	-0.1	0.0
				Viento -X exc.+	16.6	-13.1	-1.4	-9.2	-1.0	0.0	16.6	17.0	1.8	-9.2	-1.0	0.0
				Viento -X exc.-	17.1	-13.2	0.2	-9.3	0.1	-0.0	17.1	17.1	-0.0	-9.3	0.1	-0.0
				Viento +Y exc.+	9.9	0.9	27.7	0.6	16.5	0.2	9.9	-1.2	-26.0	0.6	16.5	0.2
				Viento +Y exc.-	18.0	-0.7	54.9	-0.3	34.5	0.0	18.0	0.4	-57.0	-0.3	34.5	0.0
				Viento -Y exc.+	-9.9	-0.9	-27.7	-0.6	-16.5	-0.2	-9.9	1.2	26.0	-0.6	-16.5	-0.2
				Viento -Y exc.-	-18.0	0.7	-54.9	0.3	-34.5	-0.0	-18.0	-0.4	57.0	0.3	-34.5	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1164.5	-25.7	2.1	-20.6	1.1	0.0	1144.6	41.2	-1.5	-20.6	1.1	0.0
				Cargas muertas	774.6	20.6	-0.2	9.0	0.0	0.0	774.6	-8.8	-0.2	9.0	0.0	0.0
				H 1	-0.0	-0.1	0.0	-0.1	0.0	0.0	-0.0	0.0	0.0	-0.1	0.0	0.0
				Sobrecarga de uso	484.7	-9.6	0.1	-7.9	-0.0	0.0	484.7	16.1	0.2	-7.9	-0.0	0.0
				Viento +X exc.+	-24.4	14.9	1.5	10.2	1.2	-0.0	-24.4	-18.2	-2.4	10.2	1.2	-0.0
				Viento +X exc.-	-25.1	15.0	-0.2	10.2	0.1	0.0	-25.1	-18.2	-0.6	10.2	0.1	0.0
				Viento -X exc.+	24.4	-14.9	-1.5	-10.2	-1.2	0.0	24.4	18.2	2.4	-10.2	-1.2	0.0
				Viento -X exc.-	25.1	-15.0	0.2	-10.2	-0.1	0.0	25.1	18.2	0.6	-10.2	-0.1	0.0
				Viento +Y exc.+	11.5	1.8	20.5	0.8	11.9	0.2	11.5	-0.9	-18.1	0.8	11.9	0.2
				Viento +Y exc.-	23.3	0.1	50.0	-0.1	30.5	0.0	23.3	0.3	-49.1	-0.1	30.5	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento -Y exc.+	-11.5	-1.8	-20.5	-0.8	-11.9	-0.2	-11.5	0.9	18.1	-0.8	-11.9	-0.2
				Viento -Y exc.-	-23.3	-0.1	-50.0	0.1	-30.5	-0.0	-23.3	-0.3	49.1	0.1	-30.5	-0.0
				Peso propio	1407.3	-44.7	1.2	-22.1	1.7	-0.0	1384.8	27.0	-4.4	-22.1	1.7	-0.0
				Cargas muertas	930.6	-8.9	2.8	2.5	1.7	-0.0	930.6	-17.1	-2.8	2.5	1.7	-0.0
				H 1	-0.0	0.6	-0.0	0.2	-0.0	0.0	-0.0	-0.1	0.0	0.2	-0.0	0.0
				Sobrecarga de uso	560.8	-17.8	0.2	-8.5	0.2	0.0	560.8	9.9	-0.4	-8.5	0.2	0.0
				Viento +X exc.+	-33.7	18.9	1.9	12.3	2.0	-0.0	-33.7	-21.0	-4.5	12.3	2.0	-0.0
				Viento +X exc.-	-34.7	19.1	-0.3	12.3	0.6	-0.0	-34.7	-21.0	-2.4	12.3	0.6	-0.0
				Viento -X exc.+	33.7	-18.9	-1.9	-12.3	-2.0	0.0	33.7	21.0	4.5	-12.3	-2.0	0.0
				Viento -X exc.-	34.7	-19.1	0.3	-12.3	-0.6	0.0	34.7	21.0	2.4	-12.3	-0.6	0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento +Y exc.+	14.0	4.6	30.3	1.2	16.2	0.3	14.0	0.6	-22.2	1.2	16.2	0.3
				Viento +Y exc.-	30.5	1.0	69.3	0.2	39.2	0.1	30.5	0.3	-58.2	0.2	39.2	0.1
				Viento -Y exc.+	-14.0	-4.6	-30.3	-1.2	-16.2	-0.3	-14.0	-0.6	22.2	-1.2	-16.2	-0.3
				Viento -Y exc.-	-30.5	-1.0	-69.3	-0.2	-39.2	-0.1	-30.5	-0.3	58.2	-0.2	-39.2	-0.1
				Peso propio	1678.2	-32.3	-4.7	-13.9	-2.3	0.0	1643.5	37.3	6.8	-13.9	-2.3	0.0
				Cargas muertas	1041.7	20.2	-3.1	3.4	-1.2	0.0	1041.7	3.2	2.8	3.4	-1.2	0.0
				H 1	0.0	-2.3	0.0	-0.6	0.0	0.0	0.0	0.8	-0.0	-0.6	0.0	0.0
				Sobrecarga de uso	634.3	-14.2	-1.3	-6.0	-0.6	0.0	634.3	15.9	1.5	-6.0	-0.6	0.0
				Viento +X exc.+	-43.3	25.0	8.1	9.8	3.4	-0.1	-43.3	-24.0	-9.1	9.8	3.4	-0.1
				Viento +X exc.-	-44.4	24.7	6.2	9.7	2.7	-0.0	-44.4	-23.6	-7.3	9.7	2.7	-0.0
	P. primera +5.35	60x60	-0.10/4.90	Viento -X exc.+	43.3	-25.0	-8.1	-9.8	-3.4	0.1	43.3	24.0	9.1	-9.8	-3.4	0.1
				Viento -X exc.-	44.4	-24.7	-6.2	-9.7	-2.7	0.0	44.4	23.6	7.3	-9.7	-2.7	0.0
				Viento +Y exc.+	16.2	-5.4	7.0	-2.8	1.9	0.3	16.2	8.3	-2.6	-2.8	1.9	0.3
				Viento +Y exc.-	34.9	-1.4	37.8	-0.7	13.2	0.1	34.9	2.2	-28.4	-0.7	13.2	0.1
				Viento -Y exc.+	-16.2	5.4	-7.0	2.8	-1.9	-0.3	-16.2	-8.3	2.6	2.8	-1.9	-0.3
				Viento -Y exc.-	-34.9	1.4	-37.8	0.7	-13.2	-0.1	-34.9	-2.2	28.4	0.7	-13.2	-0.1
				Peso propio	1940.9	-47.1	1.2	-18.7	-0.0	0.0	1896.8	46.3	1.4	-18.7	-0.0	0.0
				Cargas muertas	1265.8	7.0	-2.1	10.2	-1.2	0.0	1265.8	-43.8	3.9	10.2	-1.2	0.0
				H 1	-0.3	13.5	-0.0	3.3	-0.0	0.0	-0.3	-2.9	0.0	3.3	-0.0	0.0
				Sobrecarga de uso	702.2	-18.4	0.1	-7.6	-0.2	0.0	702.2	19.6	0.9	-7.6	-0.2	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Viento +X exc.+	-52.8	48.6	15.1	12.5	4.5	-0.1	-52.8	-14.0	-7.3	12.5	4.5	-0.1
				Viento +X exc.-	-53.8	48.1	11.5	12.4	3.4	-0.0	-53.8	-13.8	-5.6	12.4	3.4	-0.0
				Viento -X exc.+	52.8	-48.6	-15.1	-12.5	-4.5	0.1	52.8	14.0	7.3	-12.5	-4.5	0.1
				Viento -X exc.-	53.8	-48.1	-11.5	-12.4	-3.4	0.0	53.8	13.8	5.6	-12.4	-3.4	0.0
				Viento +Y exc.+	18.2	-11.5	21.6	-3.0	6.9	0.2	18.2	3.6	-12.8	-3.0	6.9	0.2
				Viento +Y exc.-	36.1	-3.6	73.7	-0.9	22.0	0.1	36.1	1.0	-36.4	-0.9	22.0	0.1
				Viento -Y exc.+	-18.2	11.5	-21.6	3.0	-6.9	-0.2	-18.2	-3.6	12.8	3.0	-6.9	-0.2
				Viento -Y exc.-	-36.1	3.6	-73.7	0.9	-22.0	-0.1	-36.1	-1.0	36.4	0.9	-22.0	-0.1
				Peso propio	506.7	-42.8	2.5	-46.8	11.4	0.1	1465.7	34.9	3.4	-28.5	2.2	-0.3
				Cargas muertas	311.4	-28.4	0.9	-30.8	4.0	0.1	955.4	31.1	1.0	-35.9	-0.6	-0.3
	Placa solares +35.30	HE 140 A	34.97/35.11	H 1	72.5	42.3	0.1	55.1	-0.3	0.0	-28.1	-7.0	-0.2	-31.3	0.4	0.1
				Sobrecarga de uso	172.7	-15.0	0.7	-16.5	2.9	0.0	526.5	11.5	1.0	-9.6	-0.2	-0.2
				Viento +X exc.+	-32.2	-8.4	0.4	-7.7	2.1	0.0	-8.5	24.4	3.0	-23.3	-8.6	0.1
				Viento +X exc.-	-32.3	-8.3	0.3	-7.6	1.6	0.0	-9.5	24.1	2.3	-23.0	-6.6	0.0
				Viento -X exc.+	32.2	8.4	-0.4	7.7	-2.1	-0.0	8.5	-24.4	-3.0	23.3	8.6	-0.1
				Viento -X exc.-	32.3	8.3	-0.3	7.6	-1.6	-0.0	9.5	-24.1	-2.3	23.0	6.6	-0.0
				Viento +Y exc.+	8.7	2.0	10.7	1.8	51.2	-0.0	3.2	-5.6	13.8	5.2	38.4	0.1
				Viento +Y exc.-	9.8	0.4	12.2	0.2	58.6	-0.0	18.9	-1.4	24.4	0.9	9.8	0.6
				Viento -Y exc.+	-8.7	-2.0	-10.7	-1.8	-51.2	0.0	-3.2	5.6	-13.8	-5.2	-38.4	-0.1
				Viento -Y exc.-	-9.8	-0.4	-12.2	-0.2	-58.6	0.0	-18.9	1.4	-24.4	-0.9	-9.8	-0.6
P34				Peso propio	2.1	0.0	1.4	-0.0	-0.7	0.0	2.1	0.0	1.5	-0.0	-0.7	0.0
				Cargas muertas	6.6	0.1	5.2	-0.1	-3.0	0.0	6.6	0.1	5.7	-0.1	-3.0	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	12.6	0.2	10.1	-0.1	-5.6	0.0	12.6	0.2	10.9	-0.1	-5.6	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.0	0.0	0.0	0.1	-0.0	0.0	0.0	0.0	0.0	0.1	-0.0	0.0
				Viento +X exc.-	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0
				Viento -X exc.+	-0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.0	-0.0	-0.0	-0.1	0.0	-0.0
				Viento -X exc.-	-0.0	-0.0	-0.0	-0.1	0.0	0.0	-0.0	-0.0	-0.0	-0.1	0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.3	0.0	0.4	-0.0	-0.4	0.0	-1.3	0.0	0.4	-0.0
				Viento +Y exc.-	-0.5	0.0	-1.6	-0.0	0.8	0.0	-0.5	0.0	-1.7	-0.0	0.8	0.0
				Viento -Y exc.+	0.4	-0.0	1.3	-0.0	-0.4	0.0	0.4	0.0	1.3	-0.0	-0.4	0.0
				Viento -Y exc.-	0.5	0.0	1.6	0.0	-0.8	-0.0	0.5	0.0	1.7	0.0	-0.8	-0.0
	Caseton ascensor +35.07	HE 140 A	32.20/34.97	Peso propio	2.8	-0.0	-0.4	-0.0	-0.7	0.0	2.1	0.0	1.4	-0.0	-0.7	0.0
				Cargas muertas	6.6	-0.1	-3.0	-0.1	-3.0	0.0	6.6	0.1	5.2	-0.1	-3.0	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	12.6	-0.1	-5.4	-0.1	-5.6	0.0	12.6	0.2	10.1	-0.1	-5.6	0.0
				Viento +X exc.+	0.0	0.9	-0.0	0.3	-0.0	0.0	0.0	0.0	0.0	0.3	-0.0	0.0
				Viento +X exc.-	0.0	0.9	-0.0	0.3	-0.0	0.0	0.0	0.0	0.0	0.3	-0.0	0.0
				Viento -X exc.+	-0.0	-0.9	0.0	-0.3	0.0	0.0	-0.0	-0.0	-0.0	-0.3	0.0	0.0
				Viento -X exc.-	-0.0	-0.9	0.0	-0.3	0.0	0.0	-0.0	-0.0	-0.0	-0.3	0.0	0.0
				Viento +Y exc.+	-0.4	0.0	2.5	0.0	1.4	0.0	-0.4	0.0	-1.3	0.0	1.4	0.0
				Viento +Y exc.-	-0.5	-0.0	3.2	-0.0	1.7	0.0	-0.5	0.0	-1.6	-0.0	1.7	0.0
				Viento -Y exc.+	0.4	-0.0	-2.5	-0.0	-1.4	0.0	0.4	-0.0	1.3	-0.0	-1.4	0.0
				Viento -Y exc.-	0.5	0.0	-3.2	0.0	-1.7	0.0	0.5	0.0	1.6	0.0	-1.7	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	373.7	6.9	0.2	4.7	-0.7	0.0	357.7	-8.3	2.3	4.7	-0.7	0.0
				Cargas muertas	121.2	1.2	2.1	0.2	0.8	0.0	121.2	0.5	-0.6	0.2	0.8	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	299.1	7.8	4.0	7.3	3.5	0.0	299.1	-16.0	-7.4	7.3	3.5	0.0
				Viento +X exc.+	-1.0	8.6	1.2	5.8	0.8	-0.0	-1.0	-10.3	-1.4	5.8	0.8	-0.0
				Viento +X exc.-	-1.0	8.6	0.4	5.8	0.3	0.0	-1.0	-10.4	-0.5	5.8	0.3	0.0
				Viento -X exc.+	1.0	-8.6	-1.2	-5.8	-0.8	0.0	1.0	10.3	1.4	-5.8	-0.8	0.0
				Viento -X exc.-	1.0	-8.6	-0.4	-5.8	-0.3	0.0	1.0	10.4	0.5	-5.8	-0.3	0.0
				Viento +Y exc.+	-6.8	0.6	33.1	0.6	21.8	0.0	-6.8	-1.2	-37.6	0.6	21.8	0.0
				Viento +Y exc.-	-8.0	0.2	46.1	0.2	30.5	-0.0	-8.0	-0.6	-53.0	0.2	30.5	-0.0
				Viento -Y exc.+	6.8	-0.6	-33.1	-0.6	-21.8	-0.0	6.8	1.2	37.6	-0.6	-21.8	-0.0
				Viento -Y exc.-	8.0	-0.2	-46.1	-0.2	-30.5	0.0	8.0	0.6	53.0	-0.2	-30.5	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	699.6	6.7	4.1	4.1	2.7	-0.0	681.6	-6.7	-4.5	4.1	2.7	-0.0
				Cargas muertas	249.3	3.2	5.0	2.1	3.2	0.0	249.3	-3.6	-5.5	2.1	3.2	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	404.8	0.9	1.0	-0.1	0.3	-0.0	404.8	1.2	0.1	-0.1	0.3	-0.0
				Viento +X exc.+	-0.8	11.1	1.2	8.0	0.7	-0.0	-0.8	-14.8	-1.2	8.0	0.7	-0.0
				Viento +X exc.-	-0.8	11.1	0.2	8.0	0.1	0.0	-0.8	-14.8	-0.1	8.0	0.1	0.0
				Viento -X exc.+	0.8	-11.1	-1.2	-8.0	-0.7	0.0	0.8	14.8	1.2	-8.0	-0.7	0.0
				Viento -X exc.-	0.8	-11.1	-0.2	-8.0	-0.1	0.0	0.8	14.8	0.1	-8.0	-0.1	0.0
				Viento +Y exc.+	-1.8	0.5	36.8	0.4	22.2	0.0	-1.8	-0.9	-35.5	0.4	22.2	0.0
				Viento +Y exc.-	-1.4	-0.2	53.4	-0.1	33.1	-0.0	-1.4	0.1	-54.1	-0.1	33.1	-0.0
				Viento -Y exc.+	1.8	-0.5	-36.8	-0.4	-22.2	-0.0	1.8	0.9	35.5	-0.4	-22.2	-0.0
				Viento -Y exc.-	1.4	0.2	-53.4	0.1	-33.1	0.0	1.4	-0.1	54.1	0.1	-33.1	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	1024.5	5.8	3.0	3.8	1.7	0.0	1006.6	-6.6	-2.5	3.8	1.7	0.0
				Cargas muertas	377.1	2.3	3.7	1.6	2.2	0.0	377.1	-2.7	-3.6	1.6	2.2	0.0
				H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	510.8	2.1	1.3	1.5	0.7	0.0	510.8	-2.8	-1.1	1.5	0.7	0.0
				Viento +X exc.+	-0.2	16.8	1.4	11.5	0.9	-0.0	-0.2	-20.6	-1.6	11.5	0.9	-0.0
				Viento +X exc.-	-0.3	16.9	0.3	11.6	0.2	0.0	-0.3	-20.7	-0.3	11.6	0.2	0.0
				Viento -X exc.+	0.2	-16.8	-1.4	-11.5	-0.9	0.0	0.2	20.6	1.6	-11.5	-0.9	0.0
				Viento -X exc.-	0.3	-16.9	-0.3	-11.6	-0.2	0.0	0.3	20.7	0.3	-11.6	-0.2	0.0
				Viento +Y exc.+	3.0	1.4	29.4	1.0	18.0	0.1	3.0	-2.0	-29.0	1.0	18.0	0.1
				Viento +Y exc.-	5.9	0.4	48.6	0.3	30.7	-0.0	5.9	-0.6	-51.3	0.3	30.7	-0.0
				Viento -Y exc.+	-3.0	-1.4	-29.4	-1.0	-18.0	-0.1	-3.0	2.0	29.0	-1.0	-18.0	-0.1
				Viento -Y exc.-	-5.9	-0.4	-48.6	-0.3	-30.7	0.0	-5.9	0.6	51.3	-0.3	-30.7	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1350.8	7.1	3.2	4.2	2.0	0.0	1330.9	-6.4	-3.5	4.2	2.0	0.0
				Cargas muertas	504.4	3.2	3.9	1.8	2.5	0.0	504.4	-2.6	-4.2	1.8	2.5	0.0
				H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	616.3	2.3	1.2	1.3	0.7	0.0	616.3	-1.9	-1.0	1.3	0.7	0.0
				Viento +X exc.+	0.9	20.9	1.7	13.9	1.2	-0.0	0.9	-24.3	-2.0	13.9	1.2	-0.0
				Viento +X exc.-	0.5	21.0	0.2	14.0	0.2	0.0	0.5	-24.4	-0.4	14.0	0.2	0.0
				Viento -X exc.+	-0.9	-20.9	-1.7	-13.9	-1.2	0.0	-0.9	24.3	2.0	-13.9	-1.2	0.0
				Viento -X exc.-	-0.5	-21.0	-0.2	-14.0	-0.2	-0.0	-0.5	24.4	0.4	-14.0	-0.2	-0.0
				Viento +Y exc.+	7.5	2.1	34.8	1.4	21.2	0.2	7.5	-2.3	-34.1	1.4	21.2	0.2
				Viento +Y exc.-	13.5	0.5	60.3	0.3	37.8	0.0	13.5	-0.6	-62.6	0.3	37.8	0.0
				Viento -Y exc.+	-7.5	-2.1	-34.8	-1.4	-21.2	-0.2	-7.5	2.3	34.1	-1.4	-21.2	-0.2
				Viento -Y exc.-	-13.5	-0.5	-60.3	-0.3	-37.8	-0.0	-13.5	0.6	62.6	-0.3	-37.8	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1678.0	5.1	4.6	3.4	2.6	0.0	1658.1	-6.0	-3.7	3.4	2.6	0.0
				Cargas muertas	631.9	1.0	3.2	0.9	2.0	0.0	631.9	-2.0	-3.3	0.9	2.0	0.0
				H 1	-0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	722.4	1.7	1.2	1.1	0.6	0.0	722.4	-2.0	-0.9	1.1	0.6	0.0
				Viento +X exc.+	2.2	25.4	2.2	16.3	1.5	-0.0	2.2	-27.6	-2.8	16.3	1.5	-0.0
				Viento +X exc.-	1.6	25.5	0.5	16.4	0.5	0.0	1.6	-27.7	-1.1	16.4	0.5	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. tercera +14.30	50x50	10.60/13.85	Viento -X exc.+	-2.2	-25.4	-2.2	-16.3	-1.5	0.0	-2.2	27.6	2.8	-16.3	-1.5	0.0
				Viento -X exc.-	-1.6	-25.5	-0.5	-16.4	-0.5	0.0	-1.6	27.7	1.1	-16.4	-0.5	0.0
				Viento +Y exc.+	11.7	2.9	30.6	1.5	18.0	0.2	11.7	-2.1	-28.0	1.5	18.0	0.2
				Viento +Y exc.-	21.4	1.1	59.6	0.6	36.0	0.0	21.4	-0.9	-57.4	0.6	36.0	0.0
				Viento -Y exc.+	-11.7	-2.9	-30.6	-1.5	-18.0	-0.2	-11.7	2.1	28.0	-1.5	-18.0	-0.2
				Viento -Y exc.-	-21.4	-1.1	-59.6	-0.6	-36.0	-0.0	-21.4	0.9	57.4	-0.6	-36.0	-0.0
				Peso propio	2006.4	7.8	3.3	3.8	2.8	-0.0	1986.5	-4.7	-5.8	3.8	2.8	-0.0
				Cargas muertas	758.2	4.9	5.6	2.0	3.4	-0.0	758.2	-1.4	-5.4	2.0	3.4	-0.0
				H 1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	828.5	2.2	1.7	1.1	1.0	0.0	828.5	-1.3	-1.6	1.1	1.0	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento +X exc.+	4.6	27.7	2.4	17.5	2.0	-0.0	4.6	-29.2	-4.1	17.5	2.0	-0.0
				Viento +X exc.-	3.7	27.8	0.6	17.5	0.9	-0.0	3.7	-29.2	-2.4	17.5	0.9	-0.0
				Viento -X exc.+	-4.6	-27.7	-2.4	-17.5	-2.0	0.0	-4.6	29.2	4.1	-17.5	-2.0	0.0
				Viento -X exc.-	-3.7	-27.8	-0.6	-17.5	-0.9	0.0	-3.7	29.2	2.4	-17.5	-0.9	0.0
				Viento +Y exc.+	16.6	3.2	34.4	0.9	19.4	0.2	16.6	0.3	-28.7	0.9	19.4	0.2
				Viento +Y exc.-	31.1	0.5	65.8	0.2	38.2	0.0	31.1	-0.0	-58.4	0.2	38.2	0.0
				Viento -Y exc.+	-16.6	-3.2	-34.4	-0.9	-19.4	-0.2	-16.6	-0.3	28.7	-0.9	-19.4	-0.2
				Viento -Y exc.-	-31.1	-0.5	-65.8	-0.2	-38.2	-0.0	-31.1	0.0	58.4	-0.2	-38.2	-0.0
				Peso propio	2322.6	4.3	0.8	2.1	-0.2	0.0	2291.9	-6.4	1.6	2.1	-0.2	0.0
				Cargas muertas	883.2	-2.5	-0.6	-0.1	-0.1	0.0	883.2	-2.2	-0.1	-0.1	-0.1	0.0
	P. primera +5.35	50x100	-0.10/4.90	H 1	-0.2	0.3	0.0	0.1	0.0	0.0	-0.2	-0.1	0.0	0.1	0.0	0.0
				Sobrecarga de uso	928.6	1.8	0.9	0.8	0.3	0.0	928.6	-2.1	-0.5	0.8	0.3	0.0
				Viento +X exc.+	7.6	32.0	5.4	12.3	2.3	-0.0	7.6	-29.4	-6.3	12.3	2.3	-0.0
				Viento +X exc.-	6.5	31.7	4.1	12.1	1.8	-0.0	6.5	-29.0	-5.0	12.1	1.8	-0.0
				Viento -X exc.+	-7.6	-32.0	-5.4	-12.3	-2.3	0.0	-7.6	29.4	6.3	-12.3	-2.3	0.0
				Viento -X exc.-	-6.5	-31.7	-4.1	-12.1	-1.8	0.0	-6.5	29.0	5.0	-12.1	-1.8	0.0
				Viento +Y exc.+	18.9	-6.6	11.2	-3.0	3.9	0.2	18.9	8.4	-8.5	-3.0	3.9	0.2
				Viento +Y exc.-	36.8	-1.9	31.9	-0.9	11.8	0.1	36.8	2.5	-27.2	-0.9	11.8	0.1
				Viento -Y exc.+	-18.9	6.6	-11.2	3.0	-3.9	-0.2	-18.9	-8.4	8.5	3.0	-3.9	-0.2
				Viento -Y exc.-	-36.8	1.9	-31.9	0.9	-11.8	-0.1	-36.8	-2.5	27.2	0.9	-11.8	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2702.6	4.5	-0.2	1.6	3.0	0.0	2641.3	-3.6	-15.2	1.6	3.0	0.0
				Cargas muertas	1028.9	-7.4	-21.4	-3.9	-7.3	0.0	1028.9	12.2	14.9	-3.9	-7.3	0.0
				H 1	0.1	-1.3	0.0	-0.3	0.0	0.0	0.1	0.2	-0.0	-0.3	0.0	0.0
				Sobrecarga de uso	1034.0	1.3	0.5	0.7	1.3	0.0	1034.0	-2.0	-6.0	0.7	1.3	0.0
				Viento +X exc.+	10.3	51.1	32.3	16.2	9.0	-0.1	10.3	-29.7	-12.8	16.2	9.0	-0.1
				Viento +X exc.-	9.3	50.5	24.6	16.0	6.9	-0.1	9.3	-29.3	-10.1	16.0	6.9	-0.1
				Viento -X exc.+	-10.3	-51.1	-32.3	-16.2	-9.0	0.1	-10.3	29.7	12.8	-16.2	-9.0	0.1
				Viento -X exc.-	-9.3	-50.5	-24.6	-16.0	-6.9	0.1	-9.3	29.3	10.1	-16.0	-6.9	0.1
				Viento +Y exc.+	17.1	-11.7	81.5	-3.7	22.9	0.4	17.1	6.8	-33.0	-3.7	22.9	0.4
				Viento +Y exc.-	34.6	-3.4	193.4	-1.1	53.0	0.1	34.6	1.9	-71.5	-1.1	53.0	0.1
	P35	Placa solares +35.30	HE 160 A	Viento -Y exc.+	-17.1	11.7	-81.5	3.7	-22.9	-0.4	-17.1	-6.8	33.0	3.7	-22.9	-0.4
				Viento -Y exc.-	-34.6	3.4	-193.4	1.1	-53.0	-0.1	-34.6	-1.9	71.5	1.1	-53.0	-0.1
				Peso propio	3009.3	1.6	-15.5	1.5	-17.7	0.0	2970.7	-3.1	40.1	1.5	-17.7	0.0
				Cargas muertas	1197.1	-1.7	-14.1	-1.5	-14.5	0.0	1197.1	3.0	31.7	-1.5	-14.5	0.0
				H 1	-2.2	-1.5	0.1	-1.4	0.1	0.0	-2.2	2.7	-0.2	-1.4	0.1	0.0
				Sobrecarga de uso	1126.1	-0.0	-4.9	-0.0	-5.4	0.0	1126.1	0.0	12.2	-0.0	-5.4	0.0
				Viento +X exc.+	9.8	-15.0	-10.2	-13.8	-10.6	0.0	9.8	28.3	23.0	-13.8	-10.6	0.0
				Viento +X exc.-	8.8	-14.8	-7.8	-13.6	-8.0	0.0	8.8	28.0	17.5	-13.6	-8.0	0.0
				Viento -X exc.+	-9.8	15.0	10.2	13.8	10.6	0.0	-9.8	-28.3	-23.0	13.8	10.6	0.0
				Viento -X exc.-	-8.8	14.8	7.8	13.6	8.0	0.0	-8.8	-28.0	-17.5	13.6	8.0	0.0
	Casetón ascensor +35.07	HE 160 A	32.20/34.97	Viento +Y exc.+	17.8	3.7	-7.9	3.3	-19.8	-0.0	17.8	-6.6	54.4	3.3	-19.8	-0.0
				Viento +Y exc.-	35.1	1.3	-43.5	1.0	-56.5	-0.0	35.1	-2.0	134.6	1.0	-56.5	-0.0
				Viento -Y exc.+	-17.8	-3.7	7.9	-3.3	19.8	0.0	-17.8	6.6	-54.4	-3.3	19.8	0.0
				Viento -Y exc.-	-35.1	-1.3	43.5	-1.0	56.5	0.0	-35.1	2.0	-134.6	-1.0	56.5	0.0
				Peso propio	3.5	-0.0	2.5	-0.0	-1.2	0.0	3.5	-0.0	2.7	-0.0	-1.2	0.0
				Cargas muertas	12.0	-0.0	9.8	-0.0	-5.5	0.0	12.0	-0.0	10.6	-0.0	-5.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.0	-0.0	19.7	-0.0	-10.9	0.0	24.0	-0.0	21.4	-0.0	-10.9	0.0
				Viento +X exc.+	0.0	0.0	0.0	0.1	-0.0	0.0	0.0	0.0	0.0	0.1	-0.0	0.0
				Viento +X exc.-	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0
				Viento -X exc.+	-0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.0	-0.0	-0.0	-0.1	0.0	-0.0
				Viento -X exc.-	-0.0	-0.0	-0.0	-0.1	0.0	0.0	-0.0	-0.0	-0.0	-0.1	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.3	-0.0	-0.3	0.0	-1.1	0.0	0.3	-0.0
				Viento +Y exc.-	-0.4	-0.0	-1.2	-0.0	0.6	0.0	-0.4	0.0	-1.3	-0.0	0.6	0.0
				Viento -Y exc.+	0.3	0.0	1.0	-0.0	-0.3	0.0	0.3	0.0	1.1	-0.0	-0.3	0.0
				Viento -Y exc.-	0.4	0.0	1.2	0.0	-0.6	-0.0	0.4	0.0	1.3	0.0	-0.6	-0.0
				Peso propio	4.2	-0.0	-0.9	-0.0	-1.2	0.0	3.5	-0.0	2.5	-0.0	-1.2	0.0
				Cargas muertas	12.0	-0.1	-5.4	-0.0	-5.5	0.0	12.0	-0.0	9.8	-0.0	-5.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.0	-0.1	-10.7	-0.0	-10.9	0.0	24.0	-0.0	19.7	-0.0	-10.9	0.0
				Viento +X exc.+	0.0	1.0	-0.0	0.3	-0.0	0.0	0.0	0.0	0.0	0.3	-0.0	0.0
				Viento +X exc.-	0.0	1.0	-0.0	0.3	-0.0	0.0	0.0	0.0	0.0	0.3	-0.0	0.0
				Viento -X exc.+	-0.0	-1.0	0.0	-0.3	0.0	0.0	-0.0	-0.0	-0.0	-0.3	0.0	0.0
				Viento -X exc.-	-0.0	-1.0	0.0	-0.3	0.0	0.0	-0.0	-0.0	-0.0	-0.3	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	-0.3	0.0	2.3	0.0	1.2	0.0	-0.3	0.0	-1.0	0.0	1.2	0.0
				Viento +Y exc.-	-0.4	-0.0	2.9	-0.0	1.5	0.0	-0.4	-0.0	-1.2	-0.0	1.5	0.0
				Viento -Y exc.+	0.3	-0.0	-2.3	-0.0	-1.2	0.0	0.3	0.0	1.0	-0.0	-1.2	0.0
				Viento -Y exc.-	0.4	0.0	-2.9	0.0	-1.5	0.0	0.4	0.0	1.2	0.0	-1.5	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	346.9	-1.6	1.2	-1.6	0.4	0.0	331.0	3.8	-0.0	-1.6	0.4	0.0
				Cargas muertas	130.2	0.5	1.6	0.2	0.6	0.0	130.2	-0.2	-0.4	0.2	0.6	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	290.5	-1.3	4.1	-1.8	3.8	0.0	290.5	4.5	-8.3	-1.8	3.8	0.0
				Viento +X exc.+	-0.0	10.5	0.8	7.7	0.5	-0.0	-0.0	-14.6	-0.9	7.7	0.5	-0.0
				Viento +X exc.-	-0.0	10.6	0.2	7.8	0.1	0.0	-0.0	-14.7	-0.1	7.8	0.1	0.0
				Viento -X exc.+	0.0	-10.5	-0.8	-7.7	-0.5	0.0	0.0	14.6	0.9	-7.7	-0.5	0.0
				Viento -X exc.-	0.0	-10.6	-0.2	-7.8	-0.1	0.0	0.0	14.7	0.1	-7.8	-0.1	0.0
				Viento +Y exc.+	-1.1	-0.3	32.3	-0.2	21.1	0.0	-1.1	0.4	-36.3	-0.2	21.1	0.0
				Viento +Y exc.-	-1.2	-0.9	43.1	-0.7	28.3	-0.0	-1.2	1.4	-49.0	-0.7	28.3	-0.0
				Viento -Y exc.+	1.1	0.3	-32.3	0.2	-21.1	-0.0	1.1	-0.4	36.3	0.2	-21.1	-0.0
				Viento -Y exc.-	1.2	0.9	-43.1	0.7	-28.3	0.0	1.2	-1.4	49.0	0.7	-28.3	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	668.8	0.7	3.4	0.6	2.1	-0.0	650.9	-1.3	-3.5	0.6	2.1	-0.0
				Cargas muertas	258.6	1.1	3.9	0.7	2.5	0.0	258.6	-1.3	-4.3	0.7	2.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	396.7	0.9	-0.0	0.8	-0.4	-0.0	396.7	-1.7	1.3	0.8	-0.4	-0.0
				Viento +X exc.+	-0.1	10.9	0.8	7.7	0.5	-0.0	-0.1	-14.1	-0.9	7.7	0.5	-0.0
				Viento +X exc.-	-0.2	10.9	-0.0	7.7	-0.0	0.0	-0.2	-14.2	0.0	7.7	-0.0	0.0
				Viento -X exc.+	0.1	-10.9	-0.8	-7.7	-0.5	0.0	0.1	14.1	0.9	-7.7	-0.5	0.0
				Viento -X exc.-	0.2	-10.9	0.0	-7.7	0.0	0.0	0.2	14.2	-0.0	-7.7	0.0	0.0
				Viento +Y exc.+	2.8	0.2	37.4	0.3	22.9	0.0	2.8	-0.8	-37.0	0.3	22.9	0.0
				Viento +Y exc.-	3.9	-0.8	51.3	-0.4	31.9	-0.0	3.9	0.4	-52.5	-0.4	31.9	-0.0
				Viento -Y exc.+	-2.8	-0.2	-37.4	-0.3	-22.9	-0.0	-2.8	0.8	37.0	-0.3	-22.9	-0.0
				Viento -Y exc.-	-3.9	0.8	-51.3	0.4	-31.9	0.0	-3.9	-0.4	52.5	0.4	-31.9	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	989.8	0.6	2.8	0.4	1.6	0.0	971.9	-0.5	-2.4	0.4	1.6	0.0
				Cargas muertas	386.6	1.3	2.8	0.8	1.7	0.0	386.6	-1.3	-2.8	0.8	1.7	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	502.2	0.5	0.6	0.3	0.3	0.0	502.2	-0.4	-0.5	0.3	0.3	0.0
				Viento +X exc.+	-0.2	16.7	0.9	11.5	0.6	-0.0	-0.2	-20.7	-1.1	11.5	0.6	-0.0
				Viento +X exc.-	-0.4	16.8	-0.0	11.6	0.0	0.0	-0.4	-20.8	-0.0	11.6	0.0	0.0
				Viento -X exc.+	0.2	-16.7	-0.9	-11.5	-0.6	0.0	0.2	20.7	1.1	-11.5	-0.6	0.0
				Viento -X exc.-	0.4	-16.8	0.0	-11.6	-0.0	0.0	0.4	20.8	0.0	-11.6	-0.0	0.0
				Viento +Y exc.+	6.4	0.9	31.9	0.7	19.9	0.1	6.4	-1.5	-32.6	0.7	19.9	0.1
				Viento +Y exc.-	9.1	-0.3	47.7	-0.1	30.3	-0.0	9.1	0.1	-50.7	-0.1	30.3	-0.0
				Viento -Y exc.+	-6.4	-0.9	-31.9	-0.7	-19.9	-0.1	-6.4	1.5	32.6	-0.7	-19.9	-0.1
				Viento -Y exc.-	-9.1	0.3	-47.7	0.1	-30.3	0.0	-9.1	-0.1	50.7	0.1	-30.3	0.0
P. quinta +21.50	50x50	17.80/21.05	Peso propio	1313.5	0.8	3.0	0.5	1.9	0.0	1293.6	-0.9	-3.3	0.5	1.9	0.0	
			Cargas muertas	515.0	1.3	3.2	0.8	2.0	0.0	515.0	-1.4	-3.3	0.8	2.0	0.0	
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0		
			Sobrecarga de uso	607.9	0.7	0.5	0.4	0.2	0.0	607.9	-0.8	-0.2	0.4	0.2	0.0	
			Viento +X exc.+	-0.3	20.4	1.1	13.6	0.8	-0.0	-0.3	-23.9	-1.4	13.6	0.8	-0.0	
			Viento +X exc.-	-0.6	20.6	-0.1	13.7	-0.0	0.0	-0.6	-24.0	-0.0	13.7	-0.0	0.0	
			Viento -X exc.+	0.3	-20.4	-1.1	-13.6	-0.8	0.0	0.3	23.9	1.4	-13.6	-0.8	0.0	
			Viento -X exc.-	0.6	-20.6	0.1	-13.7	0.0	-0.0	0.6	24.0	0.0	-13.7	0.0	-0.0	
			Viento +Y exc.+	9.9	1.6	38.7	1.1	23.9	0.2	9.9	-1.8	-39.1	1.1	23.9	0.2	
			Viento +Y exc.-	14.6	-0.2	59.5	-0.1	37.4	0.0	14.6	0.1	-62.2	-0.1	37.4	0.0	
			Viento -Y exc.+	-9.9	-1.6	-38.7	-1.1	-23.9	-0.2	-9.9	1.8	39.1	-1.1	-23.9	-0.2	
			Viento -Y exc.-	-14.6	0.2	-59.5	0.1	-37.4	-0.0	-14.6	-0.1	62.2	0.1	-37.4	-0.0	
P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1635.8	1.6	5.9	0.6	3.1	0.0	1615.8	-0.5	-4.2	0.6	3.1	0.0	
			Cargas muertas	642.5	2.5	2.9	1.2	1.7	0.0	642.5	-1.3	-2.7	1.2	1.7	0.0	
			H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0		
			Sobrecarga de uso	713.3	1.1	0.8	0.5	0.4	0.0	713.3	-0.5	-0.5	0.5	0.4	0.0	
			Viento +X exc.+	-0.4	24.7	1.3	15.9	1.0	-0.0	-0.4	-27.0	-1.9	15.9	1.0	-0.0	
			Viento +X exc.-	-0.8	24.8	-0.0	16.0	0.1	0.0	-0.8	-27.1	-0.5	16.0	0.1	0.0	
			Viento -X exc.+	0.4	-24.7	-1.3	-15.9	-1.0	0.0	0.4	27.0	1.9	-15.9	-1.0	0.0	
			Viento -X exc.-	0.8	-24.8	0.0	-16.0	-0.1	0.0	0.8	27.1	0.5	-16.0	-0.1	0.0	
			Viento +Y exc.+	13.2	2.2	36.2	1.2	21.6	0.2	13.2	-1.6	-34.1	1.2	21.6	0.2	
			Viento +Y exc.-	20.0	0.1	59.5	0.0	36.1	0.0	20.0	-0.1	-57.7	0.0	36.1	0.0	
			Viento -Y exc.+	-13.2	-2.2	-36.2	-1.2	-21.6	-0.2	-13.2	1.6	34.1	-1.2	-21.6	-0.2	
			Viento -Y exc.-	-20.0	-0.1	-59.5	-0.0	-36.1	-0.0	-20.0	0.1	57.7	-0.0	-36.1	-0.0	
P. tercera +14.30	50x50	10.60/13.85	Peso propio	1963.8	-2.0	0.0	-0.8	1.5	-0.0	1943.9	0.4	-4.8	-0.8	1.5	-0.0	
			Cargas muertas	770.9	-0.8	2.6	0.0	1.8	-0.0	770.9	-0.9	-3.4	0.0	1.8	-0.0	
			H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	819.4	-0.6	0.3	-0.1	0.3	0.0	819.4	-0.3	-0.6	-0.1	0.3	0.0	
			Viento +X exc.+	-0.5	26.6	1.9	16.9	1.5	-0.0	-0.5	-28.2	-3.0	16.9	1.5	-0.0	
			Viento +X exc.-	-1.1	26.8	0.4	16.9	0.6	-0.0	-1.1	-28.2	-1.5	16.9	0.6	-0.0	
			Viento -X exc.+	0.5	-26.6	-1.9	-16.9	-1.5	0.0	0.5	28.2	3.0	-16.9	-1.5	0.0	
			Viento -X exc.-	1.1	-26.8	-0.4	-16.9	-0.6	0.0	1.1	28.2	1.5	-16.9	-0.6	0.0	
			Viento +Y exc.+	17.7	3.1	41.0	0.7	23.4	0.2	17.7	0.8	-35.1	0.7	23.4	0.2	
			Viento +Y exc.-	27.8	0.3	67.0	-0.1	38.8	0.0	27.8	0.7	-59.1	-0.1	38.8	0.0	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. segunda +10.70	50x50	5.25/10.25	Viento -Y exc.+	-17.7	-3.1	-41.0	-0.7	-23.4	-0.2	-17.7	-0.8	35.1	-0.7	-23.4	-0.2
				Viento -Y exc.-	-27.8	-0.3	-67.0	0.1	-38.8	-0.0	-27.8	-0.7	59.1	0.1	-38.8	-0.0
				Peso propio	2273.3	-3.3	1.2	-1.2	-0.3	0.0	2242.6	2.5	2.6	-1.2	-0.3	0.0
				Cargas muertas	892.0	-2.1	0.8	-0.8	0.1	0.0	892.0	1.7	0.4	-0.8	0.1	0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	920.0	-1.3	0.6	-0.5	0.1	0.0	920.0	1.1	0.3	-0.5	0.1	0.0
				Viento +X exc.+	-0.4	30.3	4.0	11.7	1.8	-0.0	-0.4	-28.2	-4.9	11.7	1.8	-0.0
				Viento +X exc.-	-1.1	30.0	3.0	11.6	1.4	-0.0	-1.1	-27.8	-3.8	11.6	1.4	-0.0
				Viento -X exc.+	0.4	-30.3	-4.0	-11.7	-1.8	0.0	0.4	28.2	4.9	-11.7	-1.8	0.0
				Viento -X exc.-	1.1	-30.0	-3.0	-11.6	-1.4	0.0	1.1	27.8	3.8	-11.6	-1.4	0.0
				Viento +Y exc.+	21.4	-6.4	17.8	-2.9	6.6	0.2	21.4	8.1	-15.0	-2.9	6.6	0.2
				Viento +Y exc.-	34.1	-1.9	34.8	-0.9	13.0	0.1	34.1	2.3	-30.4	-0.9	13.0	0.1
				Viento -Y exc.+	-21.4	6.4	-17.8	2.9	-6.6	-0.2	-21.4	-8.1	15.0	2.9	-6.6	-0.2
				Viento -Y exc.-	-34.1	1.9	-34.8	0.9	-13.0	-0.1	-34.1	-2.3	30.4	0.9	-13.0	-0.1
	P. primera +5.35	50x100	-0.10/4.90	Peso propio	2669.1	-1.3	-1.6	-1.4	4.2	0.0	2607.8	5.5	-22.8	-1.4	4.2	0.0
				Cargas muertas	1043.4	-1.8	-12.1	-1.2	-1.6	0.0	1043.4	4.1	-3.9	-1.2	-1.6	0.0
				H 1	-0.1	-0.0	-0.2	-0.0	-0.0	0.0	-0.1	0.2	-0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	1028.1	-0.6	-0.8	-0.5	1.1	0.0	1028.1	1.9	-6.4	-0.5	1.1	0.0
				Viento +X exc.+	-0.9	49.6	25.3	15.2	6.8	-0.1	-0.9	-26.6	-9.0	15.2	6.8	-0.1
				Viento +X exc.-	-1.5	49.1	19.0	15.1	5.1	-0.1	-1.5	-26.3	-6.7	15.1	5.1	-0.1
				Viento -X exc.+	0.9	-49.6	-25.3	-15.2	-6.8	0.1	0.9	26.6	9.0	-15.2	-6.8	0.1
				Viento -X exc.-	1.5	-49.1	-19.0	-15.1	-5.1	0.1	1.5	26.3	6.7	-15.1	-5.1	0.1
				Viento +Y exc.+	18.0	-11.6	113.5	-3.6	31.7	0.4	18.0	6.5	-44.9	-3.6	31.7	0.4
				Viento +Y exc.-	28.3	-3.5	204.8	-1.1	56.4	0.1	28.3	2.1	-77.1	-1.1	56.4	0.1
				Viento -Y exc.+	-18.0	11.6	-113.5	3.6	-31.7	-0.4	-18.0	-6.5	44.9	3.6	-31.7	-0.4
				Viento -Y exc.-	-28.3	3.5	-204.8	1.1	-56.4	-0.1	-28.3	-2.1	77.1	1.1	-56.4	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2975.3	0.4	-25.2	0.4	-27.1	0.0	2936.6	-0.9	60.2	0.4	-27.1	0.0
				Cargas muertas	1188.0	-0.1	-16.1	-0.1	-16.5	0.0	1188.0	0.1	35.9	-0.1	-16.5	0.0
				H 1	0.8	0.2	-0.2	0.2	-0.2	0.0	0.8	-0.4	0.4	0.2	-0.2	0.0
				Sobrecarga de uso	1119.9	0.2	-7.4	0.2	-7.9	0.0	1119.9	-0.3	17.6	0.2	-7.9	0.0
				Viento +X exc.+	-0.8	-14.8	-7.8	-13.5	-8.1	0.0	-0.8	27.8	17.7	-13.5	-8.1	0.0
				Viento +X exc.-	-1.3	-14.6	-5.9	-13.4	-6.1	0.0	-1.3	27.5	13.4	-13.4	-6.1	0.0
				Viento -X exc.+	0.8	14.8	7.8	13.5	8.1	0.0	0.8	-27.8	-17.7	13.5	8.1	0.0
				Viento -X exc.-	1.3	14.6	5.9	13.4	6.1	0.0	1.3	-27.5	-13.4	13.4	6.1	0.0
				Viento +Y exc.+	16.3	3.7	-17.9	3.3	-29.4	-0.0	16.3	-6.6	74.8	3.3	-29.4	-0.0
				Viento +Y exc.-	25.3	1.3	-45.9	1.1	-58.5	-0.0	25.3	-2.1	138.5	1.1	-58.5	-0.0
				Viento -Y exc.+	-16.3	-3.7	17.9	-3.3	29.4	0.0	-16.3	6.6	-74.8	-3.3	29.4	0.0
				Viento -Y exc.-	-25.3	-1.3	-45.9	-1.1	58.5	0.0	-25.3	2.1	-138.5	-1.1	58.5	0.0
P36	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.3	0.0	3.5	0.0	2.8	0.0	-1.3	0.0
				Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	-0.0	11.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.5	0.0	24.2	-0.0	22.6	-0.0	-11.5	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.0	0.0	0.2	-0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.0	0.0	0.2	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.0	-0.0	-0.2	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.6	-0.0	-0.3	0.0	-1.1	0.0	0.6	-0.0
				Viento +Y exc.-	-0.4	0.0	-1.2	0.0	0.9	0.0	-0.4	0.0	-1.3	0.0	0.9	0.0
				Viento -Y exc.+	0.3	-0.0	1.0	-0.0	-0.6	0.0	0.3	-0.0	1.1	-0.0	-0.6	0.0
				Viento -Y exc.-	0.4	-0.0	1.2	-0.0	-0.9	-0.0	0.4	0.0	1.3	-0.0	-0.9	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.4	0.0	-0.9	0.0	-1.3	0.0	3.5	0.0	2.6	0.0	-1.3	0.0
				Cargas muertas	12.1	-0.1	-5.7	-0.0	-5.7	0.0	12.1	-0.0	10.3	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.1	-11.1	-0.0	-11.5	0.0	24.2	-0.0	20.7	-0.0	-11.5	0.0
				Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento -X exc.+	0.0	-1.5	0.0	-0.5	0.0	0.0	0.0	-0.1	0.0	-0.5	0.0	0.0
				Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	0.0	-1.0	0.0	1.6	0.0
				Viento +Y exc.-	-0.4	0.0	4.2	0.0	1.9	0.0	-0.4	0.0	-1.2	0.0	1.9	0.0
				Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	-0.0	1.0	-0.0	-1.6	0.0
				Viento -Y exc.-	0.4	-0.0	-4.2	-0.0	-1.9	0.0	0.4	-0.0	1.2	-0.0	-1.9	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	342.8	4.5	0.5	3.6	-1.4	0.0	326.9	-7.3	5.1	3.6	-1.4	0.0
				Cargas muertas	119.9	-2.6	5.3	-1.0	2.6	0.0	119.9	0.7	-3.3	-1.0	2.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	274.1	2.7	5.0	2.4	4.0	0.0	274.1	-5.0	-7.9	2.4	4.0	0.0
				Viento +X exc.+	-0.9	9.0	0.8	6.3	0.5	-0.0	-0.9	-11.3	-0.9	6.3	0.5	-0.0
				Viento +X exc.-	-0.7	9.0	0.2	6.3	0.1	0.0	-0.7	-11.3	-0.2	6.3	0.1	0.0
				Viento -X exc.+	0.9	-9.0	-0.8	-6.3	-0.5	0.0	0.9	11.3	0.9	-6.3	-0.5	0.0
				Viento -X exc.-	0.7	-9.0	-0.2	-6.3	-0.1	0.0	0.7	11.3	0.2	-6.3	-0.1	0.0
				Viento +Y exc.+	-14.6	2.4	34.7	2.1	22.9	0.0	-14.6	-4.3	-39.8	2.1	22.9	0.0
				Viento +Y exc.-	-17.1	2.6	44.1	2.3	29.2	-0.0	-17.1	-4.7	-50.8	2.3	29.2	-0.0
				Viento -Y exc.+	14.6	-2.4	-34.7	-2.1	-22.9	-0.0	14.6	4.3	39.8	-2.1	-22.9	-0.0
				Viento -Y exc.-	17.1	-2.6	-44.1	-2.3	-29.2	0.0	17.1	4.7	50.8	-2.3	-29.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	50x45	25.00/28.25	Peso propio	649.1	2.3	7.8	1.4	5.1	-0.0	631.2	-2.1	-8.8	1.4	5.1	-0.0	-0.0
				Cargas muertas	246.3	-4.2	9.2	-2.8	6.0	0.0	246.3	4.8	-10.3	-2.8	6.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	372.1	0.1	2.8	-0.1	1.4	-0.0	372.1	0.3	-1.6	-0.1	1.4	-0.0
				Viento +X exc.+	-0.8	11.0	0.8	7.9	0.5	-0.0	-0.8	-14.6	-0.9	7.9	0.5	-0.0
				Viento +X exc.-	-0.7	11.0	0.1	7.9	0.1	0.0	-0.7	-14.6	-0.2	7.9	0.1	0.0
				Viento -X exc.+	0.8	-11.0	-0.8	-7.9	-0.5	0.0	0.8	14.6	0.9	-7.9	-0.5	0.0
				Viento -X exc.-	0.7	-11.0	-0.1	-7.9	-0.1	0.0	0.7	14.6	0.2	-7.9	-0.1	0.0
				Viento +Y exc.+	-10.5	1.3	40.1	0.8	24.8	0.0	-10.5	-1.5	-40.5	0.8	24.8	0.0
				Viento +Y exc.-	-12.1	0.7	52.0	0.4	32.5	-0.0	-12.1	-0.5	-53.6	0.4	32.5	-0.0
				Viento -Y exc.+	10.5	-1.3	-40.1	-0.8	-24.8	-0.0	10.5	1.5	40.5	-0.8	-24.8	-0.0
				Viento -Y exc.-	12.1	-0.7	-52.0	-0.4	-32.5	0.0	12.1	0.5	53.6	-0.4	-32.5	0.0
P. sexta +25.10	50x45	21.40/24.65	Peso propio	955.8	2.1	5.9	1.5	3.5	0.0	937.9	-2.6	-5.6	1.5	3.5	0.0	0.0
				Cargas muertas	370.0	-3.8	7.2	-2.2	4.5	0.0	370.0	3.5	-7.3	-2.2	4.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	470.5	0.3	2.9	0.3	1.8	0.0	470.5	-0.6	-3.0	0.3	1.8	0.0
				Viento +X exc.+	-0.7	16.7	0.8	11.5	0.5	-0.0	-0.7	-20.6	-0.9	11.5	0.5	-0.0
				Viento +X exc.-	-0.7	16.8	0.0	11.5	0.0	0.0	-0.7	-20.6	-0.1	11.5	0.0	0.0
				Viento -X exc.+	0.7	-16.7	-0.8	-11.5	-0.5	0.0	0.7	20.6	0.9	-11.5	-0.5	0.0
				Viento -X exc.-	0.7	-16.8	-0.0	-11.5	-0.0	0.0	0.7	20.6	0.1	-11.5	-0.0	0.0
				Viento +Y exc.+	-6.1	2.3	36.5	1.6	23.1	0.1	-6.1	-2.9	-38.4	1.6	23.1	0.1
				Viento +Y exc.-	-6.3	1.4	49.6	1.0	31.6	-0.0	-6.3	-1.8	-53.2	1.0	31.6	-0.0
				Viento -Y exc.+	6.1	-2.3	-36.5	-1.6	-23.1	-0.1	6.1	2.9	38.4	-1.6	-23.1	-0.1
				Viento -Y exc.-	6.3	-1.4	-49.6	-1.0	-31.6	0.0	6.3	1.8	53.2	-1.0	-31.6	0.0
P. quinta +21.50	50x50	17.80/21.05	Peso propio	1265.5	2.0	5.6	1.2	3.8	0.0	1245.6	-2.0	-6.7	1.2	3.8	0.0	0.0
				Cargas muertas	494.2	-3.8	7.5	-2.4	4.9	0.0	494.2	4.2	-8.4	-2.4	4.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	569.1	0.3	2.7	0.1	1.7	0.0	569.1	-0.1	-2.8	0.1	1.7	0.0
				Viento +X exc.+	-0.6	20.8	0.7	13.8	0.6	-0.0	-0.6	-24.1	-1.1	13.8	0.6	-0.0
				Viento +X exc.-	-0.7	20.9	-0.3	13.9	-0.1	0.0	-0.7	-24.2	0.0	13.9	-0.1	0.0
				Viento -X exc.+	0.6	-20.8	-0.7	-13.8	-0.6	0.0	0.6	24.1	1.1	-13.8	-0.6	0.0
				Viento -X exc.-	0.7	-20.9	0.3	-13.9	0.1	-0.0	0.7	24.2	-0.0	-13.9	0.1	-0.0
				Viento +Y exc.+	-1.3	2.5	45.2	1.7	28.3	0.2	-1.3	-3.0	-46.7	1.7	28.3	0.2
				Viento +Y exc.-	0.5	0.9	62.5	0.7	39.4	0.0	0.5	-1.3	-65.5	0.7	39.4	0.0
				Viento -Y exc.+	1.3	-2.5	-45.2	-1.7	-28.3	-0.2	1.3	3.0	46.7	-1.7	-28.3	-0.2
				Viento -Y exc.-	-0.5	-0.9	-62.5	-0.7	-39.4	-0.0	-0.5	1.3	65.5	-0.7	-39.4	-0.0
P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1575.6	-0.4	12.1	-0.0	6.2	0.0	1555.7	-0.3	-8.1	-0.0	6.2	0.0	0.0
				Cargas muertas	618.5	-7.6	11.6	-4.1	6.2	0.0	618.5	5.8	-8.5	-4.1	6.2	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	668.3	-1.8	4.7	-0.9	2.5	0.0	668.3	0.9	-3.3	-0.9	2.5	0.0
				Viento +X exc.+	-0.6	24.8	1.2	16.0	0.8	-0.0	-0.6	-27.3	-1.4	16.0	0.8	-0.0
				Viento +X exc.-	-0.8	24.9	0.1	16.1	0.1	0.0	-0.8	-27.4	-0.3	16.1	0.1	0.0
				Viento -X exc.+	0.6	-24.8	-1.2	-16.0	-0.8	0.0	0.6	27.3	1.4	-16.0	-0.8	0.0
				Viento -X exc.-	0.8	-24.9	-0.1	-16.1	-0.1	0.0	0.8	27.4	0.3	-16.1	-0.1	0.0
				Viento +Y exc.+	4.1	3.7	44.0	2.0	26.7	0.2	4.1	-2.6	-42.7	2.0	26.7	0.2
				Viento +Y exc.-	8.4	2.0	62.8	1.0	38.3	0.0	8.4	-1.3	-61.7	1.0	38.3	0.0
				Viento -Y exc.+	-4.1	-3.7	-44.0	-2.0	-26.7	-0.2	-4.1	2.6	42.7	-2.0	-26.7	-0.2
				Viento -Y exc.-	-8.4	-2.0	-62.8	-1.0	-38.3	-0.0	-8.4	1.3	61.7	-1.0	-38.3	-0.0
P. tercera +14.30	50x50	10.60/13.85	Peso propio	1899.1	5.3	0.3	1.9	2.9	-0.0	1879.1	-0.8	-9.1	1.9	2.9	-0.0	-0.0
				Cargas muertas	756.0	-0.4	7.2	-2.0	5.8	-0.0	756.0	6.1	-11.5	-2.0	5.8	-0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	773.6	1.9	1.5	0.3	1.7	0.0	773.6	1.0	-3.9	0.3	1.7	0.0
				Viento +X exc.+	-0.6	28.5	1.2	17.7	1.1	-0.0	-0.6	-29.0	-2.3	17.7	1.1	-0.0
				Viento +X exc.-	-1.0	28.6	-0.0	17.7	0.4	-0.0	-1.0	-29.0	-1.2	17.7	0.4	-0.0
				Viento -X exc.+	0.6	-28.5	-1.2	-17.7	-1.1	0.0	0.6	29.0	2.3	-17.7	-1.1	0.0
				Viento -X exc.-	1.0	-28.6	0.0	-17.7	-0.4	0.0	1.0	29.0	1.2	-17.7	-0.4	0.0
				Viento +Y exc.+	9.2	4.6	48.5	1.7	28.2	0.2	9.2	-1.1	-42.9	1.7	28.2	0.2
				Viento +Y exc.-	15.9	2.4	69.2	1.3	40.3	0.0	15.9	-1.7	-61.9	1.3	40.3	0.0
				Viento -Y exc.+	-9.2	-4.6	-48.5	-1.7	-28.2	-0.2	-9.2	1.1	42.9	-1.7	-28.2	-0.2
				Viento -Y exc.-	-15.9	-2.4	-69.2	-1.3	-40.3	-0.0	-15.9	1.7	61.9	-1.3	-40.3	-0.0
P. segunda +10.70	50x50	5.25/10.25	Peso propio	2194.9	1.8	9.0	1.3	1.9	0.0	2164.2	-4.9	-0.5	1.3	1.9	0.0	0.0
				Cargas muertas	869.3	5.8	-2.6	2.2	-0.9	0.0	869.3	-5.3	1.7	2.2	-0.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	866.9	-0.0	3.4	0.4	0.8	0.0	866.9	-1.9	-0.8	0.4	0.8	0.0
				Viento +X exc.+	-2.8	34.9	3.3	13.3	1.3	-0.0	-2.8	-31.5	-3.4	13.3	1.3	-0.0
				Viento +X exc.-	-3.2	34.6	2.3	13.1	0.9	-0.0	-3.2	-31.1	-2.5	13.1	0.9	-0.0
				Viento -X exc.+	2.8	-34.9	-3.3	-13.3	-1.3	0.0	2.8	31.5	3.4	-13.3	-1.3	0.0
				Viento -X exc.-	3.2	-34.6	-2.3	-13.1	-0.9	0.0	3.2	31.1	2.5	-13.1	-0.9	0.0
				Viento +Y exc.+	12.1	-6.4	31.9	-2.8	11.4	0.2	12.1	7.8	-25.2	-2.8	11.4	0.2
				Viento +Y exc.-	20.1	-1.0	47.8	-0.5	17.2	0.1	20.1	1.3	-38.3	-0.5	17.2	0.1
				Viento -Y exc.+	-12.1	6.4	-31.9	2.8	-11.4	-0.2	-12.1	-7.8	25.2	2.8	-11.4	-0.2
				Viento -Y exc.-	-20.1	1.0	-47.8	0.5	-17.2	-0.1	-20.1	-1.3	38.3	0.5	-17.2	-0.1
P. primera +5.35	50x50	-0.10/4.90	Peso propio	2532.6	0.2	6.4	-0.2	3.9	0.0	2501.9	1.1	-13.0	-0.2	3.9	0.0	0.0
			Cargas muertas	1051.9	4.6	-3.5	2.0	-1.4	0.0	1051.9	-5.3	3.5	2.0	-1.4	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.0	-0.1	-0.0	-0.0	-0.0	0.0	-0.0	0.1	-0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	971.4	-0.6	2.2	-0.4	1.3	0.0	971.4	1.5	-4.4	-0.4	1.3	0.0
				Viento +X exc.+	-4.3	30.5	3.7	9.9	1.2	-0.0	-4.3	-19.2	-2.1	9.9	1.2	-0.0
				Viento +X exc.-	-4.7	30.1	2.7	9.8	0.8	-0.0	-4.7	-19.0	-1.5	9.8	0.8	-0.0
				Viento -X exc.+	4.3	-30.5	-3.7	-9.9	-1.2	0.0	4.3	19.2	2.1	-9.9	-1.2	0.0
				Viento -X exc.-	4.7	-30.1	-2.7	-9.8	-0.8	0.0	4.7	19.0	1.5	-9.8	-0.8	0.0
				Viento +Y exc.+	12.0	-6.6	29.9	-2.1	9.9	0.1	12.0	3.9	-19.4	-2.1	9.9	0.1
				Viento +Y exc.-	19.9	-1.5	44.1	-0.4	14.4	0.0	19.9	0.5	-27.9	-0.4	14.4	0.0
				Viento -Y exc.+	-12.0	6.6	-29.9	2.1	-9.9	-0.1	-12.0	-3.9	19.4	2.1	-9.9	-0.1
				Viento -Y exc.-	-19.9	1.5	-44.1	0.4	-14.4	-0.0	-19.9	-0.5	27.9	0.4	-14.4	-0.0
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2829.3	0.2	-20.2	0.2	-22.2	0.0	2790.7	-0.5	49.8	0.2	-22.2	0.0
				Cargas muertas	1190.8	4.2	-16.1	3.8	-16.5	0.0	1190.8	-7.8	35.9	3.8	-16.5	0.0
				H 1	0.4	-0.1	-0.2	-0.0	-0.2	0.0	0.4	0.0	0.5	-0.0	-0.2	0.0
				Sobrecarga de uso	1060.3	0.3	-6.0	0.2	-6.6	0.0	1060.3	-0.5	14.6	0.2	-6.6	0.0
				Viento +X exc.+	-4.1	-8.2	-0.6	-7.6	-1.0	0.0	-4.1	15.9	2.6	-7.6	-1.0	0.0
				Viento +X exc.-	-4.6	-8.1	-0.5	-7.6	-0.8	0.0	-4.6	15.7	1.9	-7.6	-0.8	0.0
				Viento -X exc.+	4.1	8.2	0.6	7.6	1.0	0.0	4.1	-15.9	-2.6	7.6	1.0	0.0
				Viento -X exc.-	4.6	8.1	0.5	7.6	0.8	0.0	4.6	-15.7	-1.9	7.6	0.8	0.0
				Viento +Y exc.+	11.9	2.5	9.7	2.2	-2.2	-0.0	11.9	-4.4	16.6	2.2	-2.2	-0.0
				Viento +Y exc.-	19.8	1.3	7.4	1.1	-5.9	-0.0	19.8	-2.0	26.1	1.1	-5.9	-0.0
				Viento -Y exc.+	-11.9	-2.5	-9.7	-2.2	2.2	0.0	-11.9	4.4	-16.6	-2.2	2.2	0.0
				Viento -Y exc.-	-19.8	-1.3	-7.4	-1.1	5.9	0.0	-19.8	2.0	-26.1	-1.1	5.9	0.0
P37	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	-0.0	2.6	-0.1	-1.3	0.0	3.5	-0.0	2.8	-0.1	-1.3	0.0
				Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	-0.0	11.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.5	0.0	24.2	-0.0	22.6	-0.1	-11.5	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.0	0.0	0.2	-0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.0	0.0	0.2	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	-0.0	-0.2	0.0	-0.0	0.0	-0.0	-0.0	-0.2	0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.0	-0.0	-0.2	0.0	0.0
				Viento +Y exc.+	-0.3	-0.0	-1.0	-0.0	0.6	-0.0	-0.3	-0.0	-1.1	-0.0	0.6	-0.0
				Viento +Y exc.-	-0.4	-0.0	-1.1	-0.0	0.7	0.0	-0.4	-0.0	-1.2	-0.0	0.7	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.4	-0.2	-0.9	-0.1	-1.3	0.0	3.5	-0.0	2.6	-0.1	-1.3	0.0
				Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	-0.0	10.3	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.3	-11.1	-0.1	-11.5	0.0	24.2	-0.0	20.7	-0.1	-11.5	0.0
				Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento -X exc.+	0.0	-1.5	0.0	-0.5	0.0	0.0	0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento +Y exc.+	-0.3	-0.0	3.6	-0.0	1.7	0.0	-0.3	-0.0	-1.0	-0.0	1.7	0.0
				Viento +Y exc.-	-0.4	-0.1	3.8	-0.0	1.8	0.0	-0.4	-0.0	-1.1	-0.0	1.8	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	376.8	-29.3	1.7	-20.5	-0.7	0.0	360.8	37.4	4.1	-20.5	-0.7	0.0
				Cargas muertas	130.1	-2.6	5.0	-2.5	2.6	0.0	130.1	5.6	-3.4	-2.5	2.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	295.1	-13.2	4.3	-11.7	3.2	0.0	295.1	24.8	-6.3	-11.7	3.2	0.0
				Viento +X exc.+	1.6	6.2	0.3	4.2	0.2	-0.0	1.6	-7.3	-0.3	4.2	0.2	-0.0
				Viento +X exc.-	1.6	6.2	0.1	4.2	0.0	0.0	1.6	-7.4	-0.1	4.2	0.0	0.0
				Viento -X exc.+	-1.6	-6.2	-0.3	-4.2	-0.2	0.0	-1.6	7.3	0.3	-4.2	-0.2	0.0
				Viento -X exc.-	-1.6	-6.2	-0.1	-4.2	-0.0	0.0	-1.6	7.4	0.1	-4.2	-0.0	0.0
				Viento +Y exc.+	-14.9	-3.3	33.1	-2.7	21.8	0.0	-14.9	5.6	-37.6	-2.7	21.8	0.0
				Viento +Y exc.-	-14.9	-3.8	36.7	-3.1	24.1	-0.0	-14.9	6.3	-41.5	-3.1	24.1	-0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	719.8	-23.7	8.2	-14.2	5.4	-0.0	701.9	22.5	-9.4	-14.2	5.4	-0.0
				Cargas muertas	264.1	-0.0	8.3	0.3	5.5	0.0	264.1	-0.9	-9.4	0.3	5.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	401.1	-3.9	2.3	-1.7	1.1	-0.0	401.1	1.6	-1.3	-1.7	1.1	-0.0
				Viento +X exc.+	2.8	8.5	0.5	6.5	0.3	-0.0	2.8	-12.6	-0.5	6.5	0.3	-0.0
				Viento +X exc.-	2.7	8.6	0.3	6.5	0.2	0.0	2.7	-12.6	-0.3	6.5	0.2	0.0
				Viento -X exc.+	-2.8	-8.5	-0.5	-6.5	-0.3	0.0	-2.8	12.6	0.5	-6.5	-0.3	0.0
				Viento -X exc.-	-2.7	-8.6	-0.3	-6.5	-0.2	0.0	-2.7	12.6	0.3	-6.5	-0.2	0.0
				Viento +Y exc.+	-11.9	-1.1	41.8	-0.4	26.8	0.0	-11.9	0.1	-45.2	-0.4	26.8	0.0
				Viento +Y exc.-	-11.8	-2.0	45.9	-1.0	29.2	-0.0	-11.8	1.2	-49.1	-1.0	29.2	-0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	1062.9	-22.4	6.8	-14.2	4.1	0.0	1044.9	23.6	-6.7	-14.2	4.1	0.0
				Cargas muertas	395.4	0.3	6.6	0.0	4.1	0.0	395.4	0.2	-6.8	0.0	4.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	507.6	-5.0	2.6	-3.3	1.6	0.0	507.6	5.8	-2.7	-3.3	1.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento +X exc.+	4.5	13.4	0.5	9.5	0.4	-0.0	4.5	-17.4	-0.6	9.5	0.4	-0.0			
				Viento +X exc.-	4.4	13.4	0.4	9.5	0.2	0.0	4.4	-17.5	-0.4	9.5	0.2	0.0			
				Viento -X exc.+	-4.5	-13.4	-0.5	-9.5	-0.4	0.0	-4.5	17.4	0.6	-9.5	-0.4	0.0			
				Viento -X exc.-	-4.4	-13.4	-0.4	-9.5	-0.2	0.0	-4.4	17.5	0.4	-9.5	-0.2	0.0			
				Viento +Y exc.+	-7.2	-0.7	44.0	-0.3	28.6	0.1	-7.2	0.3	-49.1	-0.3	28.6	0.1			
				Viento +Y exc.-	-7.1	-1.7	46.9	-1.0	30.4	-0.0	-7.1	1.6	-51.8	-1.0	30.4	-0.0			
				Viento -Y exc.+	7.2	0.7	-44.0	0.3	-28.6	-0.1	7.2	-0.3	49.1	0.3	-28.6	-0.1			
				Viento -Y exc.-	7.1	1.7	-46.9	1.0	-30.4	0.0	7.1	-1.6	51.8	1.0	-30.4	0.0			
				P. quinta +21.50	50x50	17.80/21.05	Peso propio	1409.2	-23.6	6.8	-14.4	4.5	0.0	1389.3	23.3	-8.0	-14.4	4.5	0.0
							Cargas muertas	526.8	-0.4	7.0	-0.0	4.6	0.0	526.8	-0.3	-7.9	-0.0	4.6	0.0
H 1	-0.0	0.0	-0.0				0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0					
Sobrecarga de uso	614.5	-4.9	2.5				-2.9	1.6	0.0	614.5	4.6	-2.6	-2.9	1.6	0.0				
Viento +X exc.+	6.6	17.0	0.9				11.4	0.6	-0.0	6.6	-20.2	-0.9	11.4	0.6	-0.0				
Viento +X exc.-	6.6	17.0	0.7				11.5	0.5	0.0	6.6	-20.3	-0.7	11.5	0.5	0.0				
Viento -X exc.+	-6.6	-17.0	-0.9				-11.4	-0.6	0.0	-6.6	20.2	0.9	-11.4	-0.6	0.0				
Viento -X exc.-	-6.6	-17.0	-0.7				-11.5	-0.5	-0.0	-6.6	20.3	0.7	-11.5	-0.5	-0.0				
Viento +Y exc.+	-1.6	0.7	56.4				0.4	36.1	0.2	-1.6	-0.5	-61.1	0.4	36.1	0.2				
Viento +Y exc.-	-1.5	-0.9	59.7				-0.6	38.1	0.0	-1.5	1.1	-64.1	-0.6	38.1	0.0				
P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	1.6	-0.7	-56.4	-0.4	-36.1	-0.2	1.6	0.5	61.1	-0.4	-36.1	-0.2				
			Viento -Y exc.-	1.5	0.9	-59.7	0.6	-38.1	-0.0	1.5	-1.1	64.1	0.6	-38.1	-0.0				
			Peso propio	1757.0	-16.2	14.4	-11.4	7.4	0.0	1737.0	20.9	-9.7	-11.4	7.4	0.0				
			Cargas muertas	658.9	5.7	12.3	2.3	6.3	0.0	658.9	-1.6	-8.2	2.3	6.3	0.0				
			H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0					
			Sobrecarga de uso	722.5	-1.6	4.8	-1.7	2.5	0.0	722.5	3.8	-3.4	-1.7	2.5	0.0				
			Viento +X exc.+	9.2	19.8	0.8	13.2	0.6	-0.0	9.2	-23.0	-0.9	13.2	0.6	-0.0				
			Viento +X exc.-	9.2	19.9	0.7	13.2	0.5	0.0	9.2	-23.0	-0.8	13.2	0.5	0.0				
			Viento -X exc.+	-9.2	-19.8	-0.8	-13.2	-0.6	0.0	-9.2	23.0	0.9	-13.2	-0.6	0.0				
			Viento -X exc.-	-9.2	-19.9	-0.7	-13.2	-0.5	0.0	-9.2	23.0	0.8	-13.2	-0.5	0.0				
P. tercera +14.30	50x50	10.60/13.85	Viento +Y exc.+	5.1	0.7	60.6	0.4	37.3	0.2	5.1	-0.5	-60.5	0.4	37.3	0.2				
			Viento +Y exc.-	5.2	-1.2	63.1	-0.6	38.7	0.0	5.2	0.7	-62.7	-0.6	38.7	0.0				
			Viento -Y exc.+	-5.1	-0.7	-60.6	-0.4	-37.3	-0.2	-5.1	0.5	60.5	-0.4	-37.3	-0.2				
			Viento -Y exc.-	-5.2	1.2	-63.1	0.6	-38.7	-0.0	-5.2	-0.7	62.7	0.6	-38.7	-0.0				
			Peso propio	2121.6	-34.8	2.0	-17.8	3.6	-0.0	2101.6	23.2	-9.7	-17.8	3.6	-0.0				
			Cargas muertas	806.8	-7.9	6.1	-2.1	5.1	-0.0	806.8	-1.1	-10.5	-2.1	5.1	-0.0				
			H 1	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0					
			Sobrecarga de uso	837.0	-9.0	2.1	-4.0	1.9	0.0	837.0	4.1	-4.0	1.9	0.0	0.0				
			Viento +X exc.+	12.4	24.0	1.2	14.7	0.6	-0.0	12.4	-23.9	-0.7	14.7	0.6	-0.0				
			Viento +X exc.-	12.4	24.2	1.0	14.8	0.5	-0.0	12.4	-23.9	-0.5	14.8	0.5	-0.0				
P. segunda +10.70	50x50	5.25/10.25	Viento -X exc.+	-12.4	-24.0	-1.2	-14.7	-0.6	0.0	-12.4	23.9	0.7	-14.7	-0.6	0.0				
			Viento -X exc.-	-12.4	-24.2	-1.0	-14.8	-0.5	0.0	-12.4	23.9	0.5	-14.8	-0.5	0.0				
			Viento +Y exc.+	15.5	0.3	69.4	-0.9	40.6	0.2	15.5	3.2	-62.6	-0.9	40.6	0.2				
			Viento +Y exc.-	15.7	-2.4	72.5	-1.7	42.3	0.0	15.7	3.0	-64.9	-1.7	42.3	0.0				
			Viento -Y exc.+	-15.5	-0.3	-69.4	0.9	-40.6	-0.2	-15.5	-3.2	62.6	0.9	-40.6	-0.2				
			Viento -Y exc.-	-15.7	2.4	-72.5	1.7	-42.3	-0.0	-15.7	-3.0	64.9	1.7	-42.3	-0.0				
			Peso propio	2455.8	-23.2	0.1	-10.1	-0.1	0.0	2425.1	27.1	0.4	-10.1	-0.1	0.0				
			Cargas muertas	935.4	-13.0	-0.4	-5.1	-0.1	0.0	935.4	12.3	0.2	-5.1	-0.1	0.0				
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0					
			Sobrecarga de uso	941.3	-5.5	-0.1	-2.6	-0.1	0.0	941.3	7.5	0.2	-2.6	-0.1	0.0				
P. primera +5.35	50x100	-0.10/4.90	Viento +X exc.+	17.5	28.5	-0.3	11.1	-0.1	-0.0	17.5	-27.1	0.4	11.1	-0.1	-0.0				
			Viento +X exc.-	17.4	28.2	-0.3	11.0	-0.1	-0.0	17.4	-26.7	0.4	11.0	-0.1	-0.0				
			Viento -X exc.+	-17.5	-28.5	0.3	-11.1	0.1	0.0	-17.5	27.1	-0.4	-11.1	0.1	0.0				
			Viento -X exc.-	-17.4	-28.2	0.3	-11.0	0.1	0.0	-17.4	26.7	-0.4	-11.0	0.1	0.0				
			Viento +Y exc.+	20.4	-7.4	43.8	-3.4	17.0	0.2	20.4	9.7	-41.2	-3.4	17.0	0.2				
			Viento +Y exc.-	20.9	-3.4	44.2	-1.5	17.1	0.1	20.9	4.1	-41.3	-1.5	17.1	0.1				
			Viento -Y exc.+	-20.4	7.4	-43.8	3.4	-17.0	-0.2	-20.4	-9.7	41.2	3.4	-17.0	-0.2				
			Viento -Y exc.-	-20.9	3.4	-44.2	1.5	-17.1	-0.1	-20.9	-4.1	41.3	1.5	-17.1	-0.1				
			Peso propio	2869.7	-24.7	32.0	-11.3	10.7	0.0	2808.4	31.6	-21.3	-11.3	10.7	0.0				
			Cargas muertas	1102.2	-12.9	-1.4	-6.7	-0.8	0.0	1102.2	20.9	2.4	-6.7	-0.8	0.0				
P. Baja +0.00	50x100	-3.60/-0.45	H 1	-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	0.2	-0.1	-0.1	-0.0	0.0				
			Sobrecarga de uso	1055.1	-7.2	9.7	-2.8	3.1	0.0	1055.1	6.8	-6.0	-2.8	3.1	0.0				
			Viento +X exc.+	21.3	47.4	-0.2	14.0	0.2	-0.1	21.3	-22.8	-1.1	14.0	0.2	-0.1				
			Viento +X exc.-	21.2	46.9	-0.4	13.9	0.1	-0.1	21.2	-22.5	-1.0	13.9	0.1	-0.1				
			Viento -X exc.+	-21.3	-47.4	0.2	-14.0	-0.2	0.1	-21.3	22.8	1.1	-14.0	-0.2	0.1				
			Viento -X exc.-	-21.2	-46.9	0.4	-13.9	-0.1	0.1	-21.2	22.5	1.0	-13.9	-0.1	0.1				
			Viento +Y exc.+	13.6	-11.9	228.2	-3.8	61.6	0.4	13.6	7.1	-79.8	-3.8	61.6	0.4				
			Viento +Y exc.-	14.3	-4.2	232.5	-1.6	62.9	0.1	14.3	3.5	-82.0	-1.6	62.9	0.1				
			Viento -Y exc.+	-13.6	11.9	-228.2	3.8	-61.6	-0.4	-13.6	-7.1	79.8	3.8	-61.6	-0.4				
			Viento -Y exc.-	-14.3	4.2	-232.5	1.6	-62.9	-0.1	-14.3	-3.5	82.0	1.6	-62.9	-0.1				





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P38	Placa solares +35.30	HE 180 A	34.97/35.13	Viento -X exc.+	-20.2	15.0	-0.6	13.7	-0.4	0.0	-20.2	-28.2	0.5	13.7	-0.4	0.0
				Viento -X exc.-	-20.2	14.8	-0.6	13.6	-0.4	0.0	-20.2	-27.9	0.7	13.6	-0.4	0.0
				Viento +Y exc.+	16.2	3.8	-65.1	3.3	-75.0	-0.0	16.2	-6.7	171.1	3.3	-75.0	-0.0
				Viento +Y exc.-	16.8	1.4	-65.2	1.1	-76.0	-0.0	16.8	-2.1	174.1	1.1	-76.0	-0.0
				Viento -Y exc.+	-16.2	-3.8	65.1	-3.3	75.0	0.0	-16.2	6.7	-171.1	-3.3	75.0	0.0
				Viento -Y exc.-	-16.8	-1.4	65.2	-1.1	76.0	0.0	-16.8	2.1	-174.1	-1.1	76.0	0.0
				Peso propio	3.5	-0.0	2.6	-0.0	-1.3	0.0	3.5	-0.0	2.8	-0.0	-1.3	0.0
				Cargas muertas	12.1	-0.0	10.3	-0.0	-5.8	0.0	12.1	-0.0	11.2	-0.0	-5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.5	0.0	24.2	-0.0	22.5	-0.1	-11.5	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.2	0.0	-0.0	0.0	0.0	0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	-0.0	-0.2	0.0	-0.0	0.0	-0.0	-0.0	-0.2	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	-0.0	-0.2	0.0	0.0	0.0	-0.0	-0.0	-0.2	0.0	0.0
	Caseton ascensor +35.07	HE 180 A	32.20/34.97	Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.6	-0.0	-0.3	0.0	-1.2	0.0	0.6	-0.0
				Viento +Y exc.-	-0.4	0.0	-1.1	-0.0	0.7	0.0	-0.4	0.0	-1.2	-0.0	0.7	0.0
				Viento -Y exc.+	0.3	-0.0	1.0	-0.0	-0.6	0.0	0.3	-0.0	1.2	-0.0	-0.6	0.0
				Viento -Y exc.-	0.4	0.0	1.1	0.0	-0.7	-0.0	0.4	0.0	1.2	0.0	-0.7	-0.0
				Peso propio	4.4	-0.0	-0.9	-0.0	-1.3	0.0	3.5	-0.0	2.6	-0.0	-1.3	0.0
				Cargas muertas	12.1	-0.1	-5.7	-0.0	-5.8	0.0	12.1	-0.0	10.3	-0.0	-5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.2	-11.0	-0.1	-11.5	0.0	24.2	-0.0	20.7	-0.1	-11.5	0.0
				Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
				Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	0.0	0.0	0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	0.0	0.0	0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	3.7	0.0	1.7	0.0	-0.3	0.0	-1.0	0.0	1.7	0.0
				Viento +Y exc.-	-0.4	-0.0	3.7	-0.0	1.7	0.0	-0.4	0.0	-1.1	-0.0	1.7	0.0
				Viento -Y exc.+	0.3	-0.0	-3.7	-0.0	-1.7	0.0	0.3	-0.0	1.0	-0.0	-1.7	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Viento -Y exc.-	0.4	0.0	-3.7	0.0	-1.7	0.0	0.4	0.0	1.1	0.0	-1.7	0.0
				Peso propio	346.6	3.0	0.8	1.3	-1.1	0.0	330.6	-1.3	4.4	1.3	-1.1	0.0
				Cargas muertas	124.8	0.1	1.9	0.1	0.5	0.0	124.8	-0.2	0.3	0.1	0.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	282.1	1.9	4.1	1.7	3.2	0.0	282.1	-3.5	-6.4	1.7	3.2	0.0
				Viento +X exc.+	0.3	9.0	0.3	6.3	0.2	-0.0	0.3	-11.3	-0.4	6.3	0.2	-0.0
				Viento +X exc.-	0.3	9.1	0.2	6.3	0.2	0.0	0.3	-11.4	-0.3	6.3	0.2	0.0
				Viento -X exc.+	-0.3	-9.0	-0.3	-6.3	-0.2	0.0	-0.3	11.3	0.4	-6.3	-0.2	0.0
				Viento -X exc.-	-0.3	-9.1	-0.2	-6.3	-0.2	0.0	-0.3	11.4	0.3	-6.3	-0.2	0.0
				Viento +Y exc.+	-8.0	0.9	33.8	0.9	22.4	0.0	-8.0	-2.0	-39.0	0.9	22.4	0.0
				Viento +Y exc.-	-7.9	0.5	35.7	0.5	23.6	-0.0	-7.9	-1.3	-40.9	0.5	23.6	-0.0
				Viento -Y exc.+	8.0	-0.9	-33.8	-0.9	-22.4	-0.0	8.0	2.0	39.0	-0.9	-22.4	-0.0
				Viento -Y exc.-	7.9	-0.5	-35.7	-0.5	-23.6	0.0	7.9	1.3	40.9	-0.5	-23.6	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	662.8	5.2	5.9	3.4	3.9	-0.0	644.8	-5.8	-6.8	3.4	3.9	-0.0
				Cargas muertas	245.3	0.3	5.6	0.2	3.7	0.0	245.3	-0.4	-6.4	0.2	3.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	383.8	0.3	1.3	0.0	0.5	-0.0	383.8	0.2	-0.3	0.0	0.5	-0.0
				Viento +X exc.+	-0.1	11.0	0.5	7.9	0.3	-0.0	-0.1	-14.6	-0.4	7.9	0.3	-0.0
				Viento +X exc.-	-0.2	11.0	0.4	7.9	0.2	0.0	-0.2	-14.7	-0.4	7.9	0.2	0.0
				Viento -X exc.+	0.1	-11.0	-0.5	-7.9	-0.3	0.0	0.1	14.6	0.4	-7.9	-0.3	0.0
				Viento -X exc.-	0.2	-11.0	-0.4	-7.9	-0.2	0.0	0.2	14.7	0.4	-7.9	-0.2	0.0
				Viento +Y exc.+	-5.2	0.5	42.6	0.4	27.6	0.0	-5.2	-0.8	-47.0	0.4	27.6	0.0
				Viento +Y exc.-	-4.8	-0.4	44.3	-0.2	28.4	-0.0	-4.8	0.4	-47.9	-0.2	28.4	-0.0
				Viento -Y exc.+	5.2	-0.5	-42.6	-0.4	-27.6	-0.0	5.2	0.8	47.0	-0.4	-27.6	-0.0
				Viento -Y exc.-	4.8	0.4	-44.3	0.2	-28.4	0.0	4.8	-0.4	47.9	0.2	-28.4	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	978.3	4.4	4.9	2.8	3.0	0.0	960.4	-4.7	-4.8	2.8	3.0	0.0
				Cargas muertas	365.3	0.2	4.2	0.2	2.7	0.0	365.3	-0.4	-4.4	0.2	2.7	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	485.3	0.5	1.8	0.4	1.1	0.0	485.3	-0.8	-1.9	0.4	1.1	0.0
				Viento +X exc.+	-0.8	16.5	0.5	11.3	0.3	-0.0	-0.8	-20.4	-0.5	11.3	0.3	-0.0
				Viento +X exc.-	-0.9	16.5	0.5	11.4	0.3	0.0	-0.9	-20.5	-0.5	11.4	0.3	0.0
				Viento -X exc.+	0.8	-16.5	-0.5	-11.3	-0.3	0.0	0.8	20.4	0.5	-11.3	-0.3	0.0
				Viento -X exc.-	0.9	-16.5	-0.5	-11.4	-0.3	0.0	0.9	20.5	0.5	-11.4	-0.3	0.0
				Viento +Y exc.+	-1.3	1.5	46.8	1.1	30.7	0.1	-1.3	-2.1	-52.9	1.1	30.7	0.1
				Viento +Y exc.-	-0.8	0.4	46.6	0.3	30.3	-0.0	-0.8	-0.6	-51.8	0.3	30.3	-0.0
				Viento -Y exc.+	1.3	-1.5	-46.8	-1.1	-30.7	-0.1	1.3	2.1	52.9	-1.1	-30.7	-0.1
				Viento -Y exc.-	0.8	-0.4	-46.6	-0.3	-30.3	0.0	0.8	0.6	51.8	-0.3	-30.3	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1296.6	5.5	5.4	3.2	3.5	0.0	1276.6	-5.1	-6.0	3.2	3.5	0.0
				Cargas muertas	485.3	0.8	5.1	0.3	3.2	0.0	485.3	-0.4	-5.4	0.3	3.2	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	587.0	0.8	1.9	0.4	1.2	0.0	587.0	-0.6	-1.9	0.4	1.2	0.0
				Viento +X exc.+	-1.8	20.2	0.8	13.5	0.5	-0.0	-1.8	-23.7	-0.8	13.5	0.5	-0.0
				Viento +X exc.-	-1.9	20.3	0.8	13.5	0.5	0.0	-1.9	-23.8	-0.9	13.5	0.5	0.0
				Viento -X exc.+	1.8	-20.2	-0.8	-13.5	-0.5	0.0	1.8	23.7	0.8	-13.5	-0.5	0.0
				Viento -X exc.-	1.9	-20.3	-0.8	-13.5	-0.5	-0.0	1.9	23.8	0.9	-13.5	-0.5	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. cuarta +17.90	50x50	14.20/17.45	Viento +Y exc.+	3.2	2.1	60.4	1.4	39.0	0.2	3.2	-2.4	-66.4	1.4	39.0	0.2
				Viento +Y exc.-	3.7	0.4	59.4	0.3	38.1	0.0	3.7	-0.6	-64.4	0.3	38.1	0.0
				Viento -Y exc.+	-3.2	-2.1	-60.4	-1.4	-39.0	-0.2	-3.2	2.4	66.4	-1.4	-39.0	-0.2
				Viento -Y exc.-	-3.7	-0.4	-59.4	-0.3	-38.1	-0.0	-3.7	0.6	64.4	-0.3	-38.1	-0.0
				Peso propio	1614.3	2.4	9.2	1.8	4.9	0.0	1594.4	-3.6	-6.9	1.8	4.9	0.0
				Cargas muertas	604.9	-1.1	5.9	-0.5	3.2	0.0	604.9	0.3	-4.5	-0.5	3.2	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	688.6	-0.3	2.5	-0.0	1.4	0.0	688.6	-0.2	-2.1	-0.0	1.4	0.0
				Viento +X exc.+	-3.1	24.2	0.8	15.6	0.4	-0.0	-3.1	-26.6	-0.6	15.6	0.4	-0.0
				Viento +X exc.-	-3.2	24.4	0.9	15.7	0.5	0.0	-3.2	-26.7	-0.8	15.7	0.5	0.0
	P. tercera +14.30	50x50	10.60/13.85	Viento -X exc.+	3.1	-24.2	-0.8	-15.6	-0.4	0.0	3.1	26.6	0.6	-15.6	-0.4	0.0
				Viento -X exc.-	3.2	-24.4	-0.9	-15.7	-0.5	0.0	3.2	26.7	0.8	-15.7	-0.5	0.0
				Viento +Y exc.+	8.4	3.0	67.1	1.6	41.3	0.2	8.4	-2.2	-67.0	1.6	41.3	0.2
				Viento +Y exc.-	8.7	0.9	64.4	0.5	39.5	0.0	8.7	-0.7	-63.8	0.5	39.5	0.0
				Viento -Y exc.+	-8.4	-3.0	-67.1	-1.6	-41.3	-0.2	-8.4	2.2	67.0	-1.6	-41.3	-0.2
				Viento -Y exc.-	-8.7	-0.9	-64.4	-0.5	-39.5	-0.0	-8.7	0.7	63.8	-0.5	-39.5	-0.0
				Peso propio	1935.4	10.0	-3.4	4.4	-0.3	-0.0	1915.4	-4.1	-2.4	4.4	-0.3	-0.0
				Cargas muertas	728.8	3.0	2.3	0.8	1.7	-0.0	728.8	0.5	-3.1	0.8	1.7	-0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	790.7	2.2	0.8	0.8	0.6	0.0	790.7	-0.3	-1.3	0.8	0.6	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento +X exc.+	-5.0	27.3	0.9	17.1	0.3	-0.0	-5.0	-28.3	-0.1	17.1	0.3	-0.0
				Viento +X exc.-	-5.0	27.5	1.0	17.1	0.4	-0.0	-5.0	-28.2	-0.3	17.1	0.4	-0.0
				Viento -X exc.+	5.0	-27.3	-0.9	-17.1	-0.3	0.0	5.0	28.3	0.1	-17.1	-0.3	0.0
				Viento -X exc.-	5.0	-27.5	-1.0	-17.1	-0.4	0.0	5.0	28.2	0.3	-17.1	-0.4	0.0
				Viento +Y exc.+	19.7	3.6	75.7	1.1	44.7	0.2	19.7	0.0	-69.7	1.1	44.7	0.2
				Viento +Y exc.-	19.6	0.9	72.9	0.3	42.8	0.0	19.6	-0.1	-66.4	0.3	42.8	0.0
				Viento -Y exc.+	-19.7	-3.6	-75.7	-1.1	-44.7	-0.2	-19.7	-0.0	69.7	-1.1	-44.7	-0.2
				Viento -Y exc.-	-19.6	-0.9	-72.9	-0.3	-42.8	-0.0	-19.6	0.1	66.4	-0.3	-42.8	-0.0
				Peso propio	2240.9	-0.9	6.1	1.0	1.7	0.0	2210.2	-5.7	-2.4	1.0	1.7	0.0
				Cargas muertas	847.0	-1.9	1.2	-0.0	0.5	0.0	847.0	-1.7	-1.1	-0.0	0.5	0.0
	P. primera +5.35	50x100	-0.10/4.90	H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	888.4	-1.1	2.1	0.0	0.6	0.0	888.4	-1.1	-1.0	0.0	0.6	0.0
				Viento +X exc.+	-7.5	31.5	-1.5	12.1	-0.7	-0.0	-7.5	-29.2	1.9	12.1	-0.7	-0.0
				Viento +X exc.-	-7.5	31.2	-1.3	12.0	-0.6	-0.0	-7.5	-28.8	1.6	12.0	-0.6	-0.0
				Viento -X exc.+	7.5	-31.5	1.5	-12.1	0.7	0.0	7.5	29.2	-1.9	-12.1	0.7	0.0
				Viento -X exc.-	7.5	-31.2	1.3	-12.0	0.6	0.0	7.5	28.8	-1.6	-12.0	0.6	0.0
				Viento +Y exc.+	29.7	-6.2	50.2	-2.8	19.4	0.2	29.7	8.0	-47.1	-2.8	19.4	0.2
				Viento +Y exc.-	28.8	-1.5	46.3	-0.7	17.9	0.1	28.8	2.0	-43.1	-0.7	17.9	0.1
				Viento -Y exc.+	-29.7	6.2	-50.2	2.8	-19.4	-0.2	-29.7	-8.0	47.1	2.8	-19.4	-0.2
				Viento -Y exc.-	-28.8	1.5	-46.3	0.7	-17.9	-0.1	-28.8	-2.0	43.1	0.7	-17.9	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2637.5	-0.3	32.4	-1.9	18.8	0.0	2576.2	9.4	-61.5	-1.9	18.8	0.0
				Cargas muertas	1025.5	-3.7	-10.5	-2.4	-1.7	0.0	1025.5	8.5	-2.0	-2.4	-1.7	0.0
				H 1	-0.1	-0.2	-0.2	-0.1	-0.0	0.0	-0.1	0.2	-0.1	-0.1	-0.0	0.0
				Sobrecarga de uso	998.4	-0.6	8.8	-1.0	5.6	0.0	998.4	4.1	-19.1	-1.0	5.6	0.0
				Viento +X exc.+	-10.0	50.6	-6.9	15.8	-1.7	-0.1	-10.0	-28.4	1.6	15.8	-1.7	-0.1
				Viento +X exc.-	-10.0	50.0	-5.6	15.6	-1.3	-0.1	-10.0	-28.1	1.1	15.6	-1.3	-0.1
				Viento -X exc.+	10.0	-50.6	6.9	-15.8	1.7	0.1	10.0	28.4	-1.6	-15.8	1.7	0.1
				Viento -X exc.-	10.0	-50.0	5.6	-15.6	1.3	0.1	10.0	28.1	-1.1	-15.6	1.3	0.1
				Viento +Y exc.+	28.7	-11.4	263.5	-3.5	71.4	0.4	28.7	6.2	-93.7	-3.5	71.4	0.4
				Viento +Y exc.-	27.5	-3.2	246.3	-0.9	67.0	0.1	27.5	1.4	-88.5	-0.9	67.0	0.1
P39	Placa solares +35.30	HE 180 A	34.97/35.13	Viento -Y exc.+	-28.7	11.4	-263.5	3.5	-71.4	-0.4	-28.7	-6.2	93.7	3.5	-71.4	-0.4
				Viento -Y exc.-	-27.5	3.2	-246.3	0.9	-67.0	-0.1	-27.5	-1.4	88.5	0.9	-67.0	-0.1
				Peso propio	2940.3	4.6	-32.0	4.2	-33.6	0.0	2901.6	-8.5	73.8	4.2	-33.6	0.0
				Cargas muertas	1190.7	0.6	-22.4	0.6	-22.6	0.0	1190.7	-1.2	48.7	0.6	-22.6	0.0
				H 1	0.4	-0.0	0.0	0.0	-0.1	0.0	0.4	-0.1	0.3	0.0	-0.1	0.0
				Sobrecarga de uso	1090.2	1.8	-9.5	1.6	-9.9	0.0	1090.2	-3.3	21.7	1.6	-9.9	0.0
				Viento +X exc.+	-10.1	-14.8	2.8	-13.6	2.6	0.0	-10.1	27.9	-5.3	-13.6	2.6	0.0
				Viento +X exc.-	-10.1	-14.6	2.3	-13.4	2.1	0.0	-10.1	27.6	-4.4	-13.4	2.1	0.0
				Viento -X exc.+	10.1	14.8	-2.8	13.6	-2.6	0.0	10.1	-27.9	5.3	13.6	-2.6	0.0
				Viento -X exc.-	10.1	14.6	-2.3	13.4	-2.1	0.0	10.1	-27.6	4.4	13.4	-2.1	0.0
				Viento +Y exc.+	28.2	3.7	-72.8	3.2	-82.4	-0.0	28.2	-6.5	186.7	3.2	-82.4	-0.0
				Viento +Y exc.-	26.9	1.3	-65.6	1.0	-76.0	-0.0	26.9	-1.9	173.9	1.0	-76.0	-0.0
				Viento -Y exc.+	-28.2	-3.7	72.8	-3.2	82.4	0.0	-28.2	6.5	-186.7	-3.2	82.4	0.0
				Viento -Y exc.-	-26.9	-1.3	65.6	-1.0	76.0	0.0	-26.9	1.9	-173.9	-1.0	76.0	0.0
				Peso propio	3.5	0.0	2.6	0.0	-1.2	0.0	3.5	0.0	2.8	0.0	-1.2	0.0
				Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	-0.0	11.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.4	0.0	24.2	-0.0	22.5	-0.0	-11.4	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.2	0.0	-0.0	0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	0.0	-1.2	0.0	0.7	-0.0
				Viento +Y exc.-	-0.4	-0.0	-1.1	-0.0	0.7	0.0	-0.4	0.0	-1.2	-0.0	0.7	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
Casetón ascensor +35.07	HE 180 A	32.20/34.97		Viento -Y exc.+	0.4	-0.0	1.1	-0.0	-0.7	0.0	0.4	0.0	1.2	-0.0	-0.7	0.0
				Viento -Y exc.-	0.4	0.0	1.1	0.0	-0.7	-0.0	0.4	0.0	1.2	0.0	-0.7	-0.0
				Peso propio	4.4	0.0	-0.8	0.0	-1.2	0.0	3.5	0.0	2.6	0.0	-1.2	0.0
				Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	-0.0	10.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.1	-10.9	-0.0	-11.4	0.0	24.2	-0.0	20.7	-0.0	-11.4	0.0
				Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
				Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	3.7	0.0	1.7	0.0	-0.4	0.0	-1.1	0.0	1.7	0.0
				Viento +Y exc.-	-0.4	-0.0	3.7	-0.0	1.7	0.0	-0.4	-0.0	-1.1	-0.0	1.7	0.0
				Viento -Y exc.+	0.4	-0.0	-3.7	-0.0	-1.7	0.0	0.4	-0.0	1.1	-0.0	-1.7	0.0
				Viento -Y exc.-	0.4	0.0	-3.7	0.0	-1.7	0.0	0.4	0.0	1.1	0.0	-1.7	0.0
P. cubierta +32.30	50x40	28.60/31.85		Peso propio	350.0	2.3	4.1	2.4	1.7	0.0	334.1	-5.4	-1.6	2.4	1.7	0.0
				Cargas muertas	129.3	1.1	3.3	1.1	1.7	0.0	129.3	-2.5	-2.2	1.1	1.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	291.0	2.3	5.5	2.2	4.5	0.0	291.0	-4.8	-9.2	2.2	4.5	0.0
				Viento +X exc.+	-0.3	9.9	0.0	7.3	0.0	-0.0	-0.3	-13.8	-0.1	7.3	0.0	-0.0
				Viento +X exc.-	-0.3	9.9	0.0	7.3	0.0	0.0	-0.3	-13.8	-0.1	7.3	0.0	0.0
				Viento -X exc.+	0.3	-9.9	-0.0	-7.3	-0.0	0.0	0.3	13.8	0.1	-7.3	-0.0	0.0
				Viento -X exc.-	0.3	-9.9	-0.0	-7.3	-0.0	0.0	0.3	13.8	0.1	-7.3	-0.0	0.0
				Viento +Y exc.+	-3.0	0.2	32.9	0.2	22.3	0.0	-3.0	-0.5	-39.6	0.2	22.3	0.0
				Viento +Y exc.-	-2.8	-0.3	33.1	-0.2	22.3	-0.0	-2.8	0.3	-39.4	-0.2	22.3	-0.0
				Viento -Y exc.+	3.0	-0.2	-32.9	-0.2	-22.3	-0.0	3.0	0.5	39.6	-0.2	-22.3	-0.0
				Viento -Y exc.-	2.8	0.3	-33.1	0.2	-22.3	0.0	2.8	-0.3	39.4	0.2	-22.3	0.0
P. séptima +28.70	50x45	25.00/28.25		Peso propio	668.9	-0.3	6.3	-0.3	4.0	-0.0	651.0	0.8	-6.6	-0.3	4.0	-0.0
				Cargas muertas	257.1	0.0	6.1	-0.0	3.9	0.0	257.1	0.1	-6.7	-0.0	3.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	397.6	-0.5	1.2	-0.5	0.3	-0.0	397.6	1.0	0.1	-0.5	0.3	-0.0
				Viento +X exc.+	-0.4	10.2	0.2	7.3	0.1	-0.0	-0.4	-13.5	-0.2	7.3	0.1	-0.0
				Viento +X exc.-	-0.4	10.3	0.2	7.3	0.1	0.0	-0.4	-13.6	-0.3	7.3	0.1	0.0
				Viento -X exc.+	0.4	-10.2	-0.2	-7.3	-0.1	0.0	0.4	13.5	0.2	-7.3	-0.1	0.0
				Viento -X exc.-	0.4	-10.3	-0.2	-7.3	-0.1	0.0	0.4	13.6	0.3	-7.3	-0.1	0.0
				Viento +Y exc.+	-1.3	0.3	40.1	0.4	26.3	0.0	-1.3	-0.9	-45.3	0.4	26.3	0.0
				Viento +Y exc.-	-1.0	-0.5	39.5	-0.3	25.5	-0.0	-1.0	0.3	-43.4	-0.3	25.5	-0.0
				Viento -Y exc.+	1.3	-0.3	-40.1	-0.4	-26.3	-0.0	1.3	0.9	45.3	-0.4	-26.3	-0.0
				Viento -Y exc.-	1.0	0.5	-39.5	0.3	-25.5	0.0	1.0	-0.3	43.4	0.3	-25.5	0.0
P. sexta +25.10	50x45	21.40/24.65		Peso propio	987.5	0.4	6.1	0.3	3.7	0.0	969.6	-0.6	-6.1	0.3	3.7	0.0
				Cargas muertas	384.3	0.5	5.0	0.3	3.2	0.0	384.3	-0.5	-5.3	0.3	3.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	504.1	0.1	2.0	0.1	1.3	0.0	504.1	-0.2	-2.2	0.1	1.3	0.0
				Viento +X exc.+	-0.5	16.0	0.0	11.1	0.0	-0.0	-0.5	-20.0	-0.0	11.1	0.0	-0.0
				Viento +X exc.-	-0.5	16.0	0.2	11.1	0.2	0.0	-0.5	-20.0	-0.3	11.1	0.2	0.0
				Viento -X exc.+	0.5	-16.0	-0.0	-11.1	-0.0	0.0	0.5	20.0	0.0	-11.1	-0.0	0.0
				Viento -X exc.-	0.5	-16.0	-0.2	-11.1	-0.2	0.0	0.5	20.0	0.3	-11.1	-0.2	0.0
				Viento +Y exc.+	0.6	1.2	46.3	0.9	30.7	0.1	0.6	-1.7	-53.5	0.9	30.7	0.1
				Viento +Y exc.-	0.9	0.0	43.1	0.1	28.3	-0.0	0.9	-0.3	-48.8	0.1	28.3	-0.0
				Viento -Y exc.+	-0.6	-1.2	-46.3	-0.9	-30.7	-0.1	-0.6	1.7	53.5	-0.9	-30.7	-0.1
				Viento -Y exc.-	-0.9	-0.0	-43.1	-0.1	-28.3	0.0	-0.9	0.3	48.8	-0.1	-28.3	0.0
P. quinta +21.50	50x50	17.80/21.05		Peso propio	1308.8	0.5	6.7	0.3	4.3	0.0	1288.9	-0.5	-7.4	0.3	4.3	0.0
				Cargas muertas	511.7	0.5	6.1	0.3	3.9	0.0	511.7	-0.5	-6.5	0.3	3.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	610.7	0.2	2.3	0.1	1.4	0.0	610.7	-0.1	-2.2	0.1	1.4	0.0
				Viento +X exc.+	-0.5	19.7	0.2	13.1	0.1	-0.0	-0.5	-23.0	-0.2	13.1	0.1	-0.0
				Viento +X exc.-	-0.5	19.8	0.5	13.2	0.3	0.0	-0.5	-23.1	-0.5	13.2	0.3	0.0
				Viento -X exc.+	0.5	-19.7	-0.2	-13.1	-0.1	0.0	0.5	23.0	0.2	-13.1	-0.1	0.0
				Viento -X exc.-	0.5	-19.8	-0.5	-13.2	-0.3	-0.0	0.5	23.1	0.5	-13.2	-0.3	-0.0
				Viento +Y exc.+	3.0	1.9	60.0	1.2	39.0	0.2	3.0	-2.1	-66.9	1.2	39.0	0.2
				Viento +Y exc.-	3.1	0.2	55.1	0.1	35.5	0.0	3.1	-0.3	-60.4	0.1	35.5	0.0
				Viento -Y exc.+	-3.0	-1.9	-60.0	-1.2	-39.0	-0.2	-3.0	2.1	66.9	-1.2	-39.0	-0.2
				Viento -Y exc.-	-3.1	-0.2	-55.1	-0.1	-35.5	-0.0	-3.1	0.3	60.4	-0.1	-35.5	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Peso propio	1629.2	1.4	11.6	0.5	6.2	0.0	1609.3	-0.3	-8.7	0.5	6.2	0.0
				Cargas muertas	638.4	1.0	7.3	0.4	4.0	0.0	638.4	-0.3	-5.6	0.4	4.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	717.2	0.4	2.9	0.1	1.7	0.0	717.2	-0.0	-2.6	0.1	1.7	0.0
				Viento +X exc.+	-0.6	23.3	0.2	15.2	0.0	-0.0	-0.6	-26.0	0.1	15.2	0.0	-0.0
				Viento +X exc.-	-0.6	23.4	0.6	15.2	0.3	0.0	-0.6	-26.0	-0.3	15.2	0.3	0.0
				Viento -X exc.+	0.6	-23.3	-0.2	-15.2	-0.0	0.0	0.6	26.0	-0.1	-15.2	-0.0	0.0
				Viento -X exc.-	0.6	-23.4	-0.6	-15.2	-0.3	0.0	0.6	26.0	0.3	-15.2	-0.3	0.0
				Viento +Y exc.+	5.9	2.5	67.1	1.3	41.7	0.2	5.9	-1.8	-68.3	1.3	41.7	0.2
				Viento +Y exc.-	5.6	0.4	59.9	0.3	37.0	0.0	5.6	-0.4	-60.3	0.3	37.0	0.0
				Viento -Y exc.+	-5.9	-2.5	-67.1	-1.3	-41.7	-0.2	-5.9	1.8	68.3	-1.3	-41.7	-0.2
				Viento -Y exc.-	-5.6	-0.4	-59.9	-0.3	-37.0	-0.0	-5.6	0.4	60.3	-0.3	-37.0	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1953.6	-2.6	-5.6	-1.1	-1.0	-0.0	1933.7	0.9	-2.4	-1.1	-1.0	-0.0
				Cargas muertas	770.3	-1.4	1.5	-0.6	1.4	-0.0	770.3	0.4	-3.1	-0.6	1.4	-0.0
				H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	824.0	-0.7	0.0	-0.3	0.4	0.0	824.0	0.3	-1.2	-0.3	0.4	0.0
				Viento +X exc.+	-0.7	27.0	0.5	16.8	-0.1	-0.0	-0.7	-27.5	0.8	16.8	-0.1	-0.0
				Viento +X exc.-	-0.6	27.2	0.9	16.8	0.2	-0.0	-0.6	-27.4	0.3	16.8	0.2	-0.0
				Viento -X exc.+	0.7	-27.0	-0.5	-16.8	0.1	0.0	0.7	27.5	-0.8	-16.8	0.1	0.0
				Viento -X exc.-	0.6	-27.2	-0.9	-16.8	-0.2	0.0	0.6	27.4	-0.3	-16.8	-0.2	0.0
				Viento +Y exc.+	16.5	3.3	82.2	0.8	47.6	0.2	16.5	0.6	-72.6	0.8	47.6	0.2
				Viento +Y exc.-	15.0	0.7	73.3	0.1	42.3	0.0	15.0	0.4	-64.1	0.1	42.3	0.0
				Viento -Y exc.+	-16.5	-3.3	-82.2	-0.8	-47.6	-0.2	-16.5	-0.6	72.6	-0.8	-47.6	-0.2
				Viento -Y exc.-	-15.0	-0.7	-73.3	-0.1	-42.3	-0.0	-15.0	-0.4	64.1	-0.1	-42.3	-0.0
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	2264.3	6.4	4.8	1.7	1.2	0.0	2233.7	-2.1	-0.9	1.7	1.2	0.0
				Cargas muertas	892.4	2.7	1.3	0.7	0.4	0.0	892.4	-0.7	-0.8	0.7	0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	924.8	1.9	1.4	0.5	0.3	0.0	924.8	-0.6	-0.3	0.5	0.3	0.0
				Viento +X exc.+	-0.9	31.8	-2.8	12.3	-1.2	-0.0	-0.9	-29.5	3.4	12.3	-1.2	-0.0
				Viento +X exc.-	-0.8	31.5	-2.3	12.1	-1.0	-0.0	-0.8	-29.1	2.8	12.1	-1.0	-0.0
				Viento -X exc.+	0.9	-31.8	2.8	-12.3	1.2	0.0	0.9	29.5	-3.4	-12.3	1.2	0.0
				Viento -X exc.-	0.8	-31.5	2.3	-12.1	1.0	0.0	0.8	29.1	-2.8	-12.1	1.0	0.0
				Viento +Y exc.+	24.1	-6.5	58.1	-2.9	22.7	0.2	24.1	8.1	-55.4	-2.9	22.7	0.2
				Viento +Y exc.-	21.6	-1.8	49.7	-0.8	19.4	0.1	21.6	2.1	-47.2	-0.8	19.4	0.1
				Viento -Y exc.+	-24.1	6.5	-58.1	2.9	-22.7	-0.2	-24.1	-8.1	55.4	2.9	-22.7	-0.2
				Viento -Y exc.-	-21.6	1.8	-49.7	0.8	-19.4	-0.1	-21.6	-2.1	47.2	0.8	-19.4	-0.1
	P. primera +5.35	50x100	-0.10/4.90	Peso propio	2670.2	8.3	34.6	4.7	18.7	0.0	2608.9	-15.3	-59.0	4.7	18.7	0.0
				Cargas muertas	1062.0	3.0	-0.4	1.8	1.8	0.0	1062.0	-6.0	-9.4	1.8	1.8	0.0
				H 1	-0.1	-0.2	-0.3	-0.1	-0.0	0.0	-0.1	0.2	-0.1	-0.1	-0.0	0.0
				Sobrecarga de uso	1037.2	2.2	9.4	1.3	5.3	0.0	1037.2	-4.4	-17.3	1.3	5.3	0.0
				Viento +X exc.+	-0.9	50.8	-13.9	15.9	-3.7	-0.1	-0.9	-28.9	4.8	15.9	-3.7	-0.1
				Viento +X exc.-	-0.8	50.2	-11.0	15.8	-3.0	-0.1	-0.8	-28.6	3.8	15.8	-3.0	-0.1
				Viento -X exc.+	0.9	-50.8	13.9	-15.9	3.7	0.1	0.9	28.9	-4.8	-15.9	3.7	0.1
				Viento -X exc.-	0.8	-50.2	11.0	-15.8	3.0	0.1	0.8	28.6	-3.8	-15.8	3.0	0.1
				Viento +Y exc.+	16.2	-11.7	296.0	-3.7	80.8	0.4	16.2	6.7	-108.1	-3.7	80.8	0.4
				Viento +Y exc.-	14.6	-3.4	256.9	-1.1	70.3	0.1	14.6	1.9	-94.7	-1.1	70.3	0.1
				Viento -Y exc.+	-16.2	11.7	-296.0	3.7	-80.8	-0.4	-16.2	-6.7	108.1	3.7	-80.8	-0.4
				Viento -Y exc.-	-14.6	3.4	-256.9	1.1	-70.3	-0.1	-14.6	-1.9	94.7	1.1	-70.3	-0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Peso propio	2967.1	-1.7	-32.6	-1.5	-34.2	0.0	2928.4	3.0	75.0	-1.5	-34.2	0.0
				Cargas muertas	1200.4	-1.0	-17.7	-0.8	-17.9	0.0	1200.4	1.7	38.8	-0.8	-17.9	0.0
				H 1	0.5	-0.0	0.0	0.0	-0.1	0.0	0.5	-0.1	0.4	0.0	-0.1	0.0
				Sobrecarga de uso	1127.6	-0.6	-9.0	-0.5	-9.4	0.0	1127.6	1.0	20.6	-0.5	-9.4	0.0
				Viento +X exc.+	-0.9	-14.8	4.9	-13.6	4.7	0.0	-0.9	28.0	-10.0	-13.6	4.7	0.0
				Viento +X exc.-	-0.8	-14.7	3.9	-13.4	3.8	0.0	-0.8	27.7	-8.0	-13.4	3.8	0.0
				Viento -X exc.+	0.9	14.8	-4.9	13.6	-4.7	0.0	0.9	-28.0	10.0	13.6	-4.7	0.0
				Viento -X exc.-	0.8	14.7	-3.9	13.4	-3.8	0.0	0.8	-27.7	8.0	13.4	-3.8	0.0
				Viento +Y exc.+	13.7	3.8	-83.6	3.3	-92.8	-0.0	13.7	-6.7	208.6	3.3	-92.8	-0.0
				Viento +Y exc.-	12.4	1.4	-69.3	1.1	-79.2	-0.0	12.4	-2.1	180.3	1.1	-79.2	-0.0
				Viento -Y exc.+	-13.7	-3.8	83.6	-3.3	92.8	0.0	-13.7	6.7	-208.6	-3.3	92.8	0.0
				Viento -Y exc.-	-12.4	-1.4	69.3	-1.1	79.2	0.0	-12.4	2.1	-180.3	-1.1	79.2	0.0
P40	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.3	0.0	3.5	0.0	2.8	0.0	-1.3	0.0
				Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	-0.0	11.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	-0.0	22.5	-0.1	-11.4	0.0
				Viento +X exc.+	0.0	0.1	-0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	0.0	-1.2	0.0	0.7	-0.0
				Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.6	0.0	-0.3	0.0	-1.1	-0.0	0.6	0.0
				Viento -Y exc.+	0.4	0.0	1.1	-0.0	-0.7	0.0	0.4	0.0	1.2	-0.0	-0.7	0.0
				Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.6	-0.0	0.3	0.0	1.1	0.0	-0.6	-0.0
	Caseton ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.4	0.0	-0.9	0.0	-1.3	0.0	3.5	0.0	2.6	0.0	-1.3	0.0
				Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	-0.0	10.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.2	-11.0	-0.1	-11.4	0.0	24.2	-0.0	20.7	-0.1	-11.4	0.0
				Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	-0.0	0.5	0.0	0.0
				Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	3.8	0.0	1.8	0.0	-0.4	0.0	-1.1	0.0	1.8	0.0
				Viento +Y exc.-	-0.3	-0.0	3.6	-0.0	1.7	0.0	-0.3	-0.0	-1.0	-0.0	1.7	0.0
				Viento -Y exc.+	0.4	-0.0	-3.8	-0.0	-1.8	0.0	0.4	0.0	1.1	-0.0	-1.8	0.0
				Viento -Y exc.-	0.3	0.0	-3.6	0.0	-1.7	0.0	0.3	0.0	1.0	0.0	-1.7	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	360.1	3.6	2.5	4.2	-0.1	0.0	344.2	-10.0	2.9	4.2	-0.1	0.0
				Cargas muertas	132.2	0.4	3.0	0.6	1.3	0.0	132.2	-1.6	-1.2	0.6	1.3	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	295.5	1.0	4.9	1.1	3.8	0.0	295.5	-2.6	-7.6	1.1	3.8	0.0
				Viento +X exc.+	0.4	8.7	-0.2	6.0	-0.1	-0.0	0.4	-10.9	0.3	6.0	-0.1	-0.0
				Viento +X exc.-	0.4	8.7	-0.1	6.0	-0.1	0.0	0.4	-10.9	0.1	6.0	-0.1	0.0
				Viento -X exc.+	-0.4	-8.7	0.2	-6.0	0.1	0.0	-0.4	10.9	-0.3	-6.0	0.1	0.0
				Viento -X exc.-	-0.4	-8.7	0.1	-6.0	0.1	0.0	-0.4	10.9	-0.1	-6.0	0.1	0.0
				Viento +Y exc.+	-8.5	-0.2	34.3	-0.1	23.7	0.0	-8.5	0.3	-42.6	-0.1	23.7	0.0
				Viento +Y exc.-	-8.1	-0.7	32.8	-0.6	22.5	-0.0	-8.1	1.1	-40.2	-0.6	22.5	-0.0
				Viento -Y exc.+	8.5	0.2	-34.3	0.1	-23.7	-0.0	8.5	-0.3	42.6	0.1	-23.7	-0.0
				Viento -Y exc.-	8.1	0.7	-32.8	0.6	-22.5	0.0	8.1	-1.1	40.2	0.6	-22.5	0.0
P. séptima +28.70	50x45	25.00/28.25	Peso propio	682.7	-1.9	7.3	-1.5	4.8	-0.0	664.7	3.0	-8.2	-1.5	4.8	-0.0	-0.0
			Cargas muertas	260.3	-0.5	6.5	-0.4	4.2	0.0	260.3	0.7	-7.3	-0.4	4.2	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	402.1	-0.9	1.6	-0.6	0.6	-0.0	402.1	1.2	-0.5	-0.6	0.6	-0.0	-0.0
			Viento +X exc.+	0.4	10.5	0.0	7.6	0.0	-0.0	0.4	-14.2	-0.1	7.6	0.0	-0.0	-0.0
			Viento +X exc.-	0.4	10.6	0.2	7.6	0.2	0.0	0.4	-14.3	-0.3	7.6	0.2	0.0	0.0
			Viento -X exc.+	-0.4	-10.5	-0.0	-7.6	-0.0	0.0	-0.4	14.2	0.1	-7.6	-0.0	0.0	0.0
			Viento -X exc.-	-0.4	-10.6	-0.2	-7.6	-0.2	0.0	-0.4	14.3	0.3	-7.6	-0.2	0.0	0.0
			Viento +Y exc.+	-6.8	0.4	40.7	0.4	26.9	0.0	-6.8	-1.0	-46.7	0.4	26.9	0.0	0.0
			Viento +Y exc.-	-6.3	-0.5	37.9	-0.2	24.6	-0.0	-6.3	0.2	-42.1	-0.2	24.6	-0.0	-0.0
P. sexta +25.10	50x45	21.40/24.65	Viento -Y exc.+	6.8	-0.4	-40.7	-0.4	-26.9	-0.0	6.8	1.0	46.7	-0.4	-26.9	-0.0	-0.0
			Viento -Y exc.-	6.3	0.5	-37.9	0.2	-24.6	0.0	6.3	-0.2	42.1	0.2	-24.6	0.0	0.0
			Peso propio	1004.8	-0.6	6.6	-0.3	4.1	0.0	986.9	0.2	-6.6	-0.3	4.1	0.0	0.0
			Cargas muertas	387.8	-0.2	5.3	-0.1	3.4	0.0	387.8	0.1	-5.6	-0.1	3.4	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	508.6	-0.5	2.3	-0.3	1.4	0.0	508.6	0.4	-2.4	-0.3	1.4	0.0	0.0
			Viento +X exc.+	0.4	16.0	-0.2	11.0	-0.1	-0.0	0.4	-19.9	0.2	11.0	-0.1	-0.0	-0.0
			Viento +X exc.-	0.4	16.0	0.2	11.1	0.1	0.0	0.4	-20.0	-0.3	11.1	0.1	0.0	0.0
			Viento -X exc.+	-0.4	-16.0	0.2	-11.0	0.1	0.0	-0.4	19.9	-0.2	-11.0	0.1	0.0	0.0
			Viento -X exc.-	-0.4	-16.0	-0.2	-11.1	-0.1	0.0	-0.4	20.0	0.3	-11.1	-0.1	0.0	0.0
P. quinta +21.50	50x50	17.80/21.05	Viento +Y exc.+	-4.2	1.2	48.9	0.9	32.7	0.1	-4.2	-1.7	-57.3	0.9	32.7	0.1	0.1
			Viento +Y exc.-	-3.9	0.0	42.8	0.1	28.3	-0.0	-3.9	-0.2	-49.0	0.1	28.3	-0.0	-0.0
			Viento -Y exc.+	4.2	-1.2	-48.9	-0.9	-32.7	-0.1	4.2	1.7	57.3	-0.9	-32.7	-0.1	-0.1
			Viento -Y exc.-	3.9	-0.0	-42.8	-0.1	-28.3	0.0	3.9	0.2	49.0	-0.1	-28.3	0.0	0.0
			Peso propio	1330.1	-0.6	7.3	-0.4	4.7	0.0	1310.1	0.7	-8.1	-0.4	4.7	0.0	0.0
			Cargas muertas	515.4	-0.1	6.5	-0.1	4.1	0.0	515.4	0.2	-6.9	-0.1	4.1	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	615.4	-0.4	2.5	-0.3	1.5	0.0	615.4	0.5	-2.5	-0.3	1.5	0.0	0.0
			Viento +X exc.+	0.5	19.7	0.0	13.2	-0.0	-0.0	0.5	-23.1	0.1	13.2	-0.0	-0.0	-0.0
			Viento +X exc.-	0.5	19.8	0.5	13.3	0.3	0.0	0.5	-23.2	-0.5	13.3	0.3	0.0	0.0
P. cuarta +17.90	50x50	14.20/17.45	Viento -X exc.+	-0.5	-19.7	-0.0	-13.2	0.0	0.0	-0.5	23.1	-0.1	-13.2	0.0	0.0	0.0
			Viento -X exc.-	-0.5	-19.8	-0.5	-13.3	-0.3	-0.0	-0.5	23.2	0.5	-13.3	-0.3	-0.0	-0.0
			Viento +Y exc.+	-1.0	1.9	63.7	1.3	41.7	0.2	-1.0	-2.2	-71.8	1.3	41.7	0.2	0.2
			Viento +Y exc.-	-1.1	0.2	54.8	0.1	35.5	0.0	-1.1	-0.3	-60.7	0.1	35.5	0.0	0.0
			Viento -Y exc.+	1.0	-1.9	-63.7	-1.3	-41.7	-0.2	1.0	2.2	71.8	-1.3	-41.7	-0.2	-0.2
			Viento -Y exc.-	1.1	-0.2	-54.8	-0.1	-35.5	-0.0	1.1	0.3	60.7	-0.1	-35.5	-0.0	-0.0
			Peso propio	1655.1	-0.1	12.1	-0.3	6.5	0.0	1635.2	0.9	-9.2	-0.3	6.5	0.0	0.0
			Cargas muertas	642.8	-0.1	7.7	-0.2	4.2	0.0	642.8	0.5	-5.8	-0.2	4.2	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	722.4	-0.4	3.1	-0.3	1.8	0.0	722.4	0.6	-2.8	-0.3	1.8	0.0	0.0
P. tercera +14.30	50x50	10.60/13.85	Viento +X exc.+	0.6	23.3	-0.1	15.2	-0.2	-0.0	0.6	-26.0	0.5	15.2	-0.2	-0.0	-0.0
			Viento +X exc.-	0.7	23.4	0.6	15.2	0.3	0.0	0.7	-26.1	-0.2	15.2	0.3	0.0	0.0
			Viento -X exc.+	-0.6	-23.3	0.1	-15.2	0.2	0.0	-0.6	26.0	-0.5	-15.2	0.2	0.0	0.0
			Viento -X exc.-	-0.7	-23.4	-0.6	-15.2	-0.3	0.0	-0.7	26.1	0.2	-15.2	-0.3	0.0	0.0
			Viento +Y exc.+	3.0	2.6	72.6	1.4	45.2	0.2	3.0	-1.9	-74.2	1.4	45.2	0.2	0.2
			Viento +Y exc.-	2.3	0.5	60.7	0.3	37.5	0.0	2.3	-0.4	-61.3	0.3	37.5	0.0	0.0
			Viento -Y exc.+	-3.0	-2.6	-72.6	-1.4	-45.2	-0.2	-3.0	1.9	74.2	-1.4	-45.2	-0.2	-0.2
			Viento -Y exc.-	-2.3	-0.5	-60.7	-0.3	-37.5	-0.0	-2.3	0.4	61.3	-0.3	-37.5	-0.0	-0.0
			Peso propio	1983.0	-3.7	-6.0	-1.9	-1.3	-0.0	1963.1	2.4	-1.9	-1.9	-1.3	-0.0	-0.0
			Cargas muertas	774.2	-1.4	1.0	-0.8	1.1	-0.0	774.2	1.3	-2.7	-0.8	1.1	-0.0	-0.0
P. segunda +10.70	50x50	5.25/10.25	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Sobrecarga de uso	829.1	-1.3	-0.2	-0.7	0.3	0.0	829.1	1.0	-1.1	-0.7	0.3	0.0	0.0
			Viento +X exc.+	0.6	27.6	0.1	17.0	-0.4	-0.0	0.6	-27.7	1.5	17.0	-0.4	-0.0	-0.0
			Viento +X exc.-	0.8	27.7	0.9	17.1	0.1	-0.0	0.8	-27.7	0.7	17.1	0.1	-0.0	-0.0
			Viento -X exc.+	-0.6	-27.6	-0.1	-17.0	0.4	0.0	-0.6	27.7	-1.5	-17.0	0.4	0.0	0.0
			Viento -X exc.-	-0.8	-27.7	-0.9	-17.1	-0.1	0.0	-0.8	27.7	-0.7	-17.1	-0.1	0.0	0.0
			Viento +Y exc.+	16.0	3.7	88.6	1.1	51.5	0.2	16.0	0.2	-78.9	1.1	51.5	0.2	0.2
			Viento +Y exc.-	13.1	1.0	73.9	0.3	42.8	0.0	13.1	0.1	-65.2	0.3	42.8	0.0	0.0
			Viento -Y exc.+	-16.0	-3.7	-88.6	-1.1	-51.5	-0.2	-16.0	-0.2	78.9	-1.1	-51.5	-0.2	-0.2
			Viento -Y exc.-	-13.1	-1.0	-73.9	-0.3	-42.8	-0.0	-13.1	-0.1	65.2	-0.3	-42.8	-0.0	-0.0
P. segunda +10.70	50x50	5.25/10.25	Peso propio	2294.1	-3.6	2.2	-1.3	0.5	0.0	2263.4	3.0	-0.4	-1.3	0.5	0.0	0.0
			Cargas muertas	897.6	-1.4	-0.7	-0.5	-0.2	0.0	897.6	0.9	0.1	-0.5	-0.2	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	930.7	-1.6	0.4	-0.6	0.0	0.0	930.7	1.2	0.2	-0.6	0.0	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.5	31.6	-4.1	12.3	-1.8	-0.0	0.5	-29.7	4.9	12.3	-1.8	-0.0
				Viento +X exc.-	0.8	31.3	-3.3	12.1	-1.5	-0.0	0.8	-29.3	4.0	12.1	-1.5	-0.0
				Viento -X exc.+	-0.5	-31.6	4.1	-12.3	1.8	0.0	-0.5	29.7	-4.9	-12.3	1.8	0.0
				Viento -X exc.-	-0.8	-31.3	3.3	-12.1	1.5	0.0	-0.8	29.3	-4.0	-12.1	1.5	0.0
				Viento +Y exc.+	27.1	-5.5	63.5	-2.6	24.9	0.2	27.1	7.4	-61.1	-2.6	24.9	0.2
				Viento +Y exc.-	22.2	-1.0	51.0	-0.5	20.0	0.1	22.2	1.6	-49.0	-0.5	20.0	0.1
				Viento -Y exc.+	-27.1	5.5	-63.5	2.6	-24.9	-0.2	-27.1	-7.4	61.1	2.6	-24.9	-0.2
				Viento -Y exc.-	-22.2	1.0	-51.0	0.5	-20.0	-0.1	-22.2	-1.6	49.0	0.5	-20.0	-0.1
	P. primera +5.35	50x100	-0.10/4.90	Peso propio	2692.2	-11.0	27.2	-4.2	12.7	0.0	2630.9	10.2	-36.2	-4.2	12.7	0.0
				Cargas muertas	1079.6	-2.3	-12.1	-1.2	-4.4	0.0	1079.6	3.7	9.8	-1.2	-4.4	0.0
				H 1	-0.1	-0.2	-0.2	-0.1	-0.0	0.0	-0.1	0.2	-0.1	-0.1	-0.0	0.0
				Sobrecarga de uso	1041.4	-4.0	6.4	-1.6	3.2	0.0	1041.4	4.2	-9.7	-1.6	3.2	0.0
				Viento +X exc.+	2.4	50.4	-20.6	15.7	-5.6	-0.1	2.4	-28.0	7.6	15.7	-5.6	-0.1
				Viento +X exc.-	2.6	49.8	-16.3	15.5	-4.5	-0.1	2.6	-27.7	6.2	15.5	-4.5	-0.1
				Viento -X exc.+	-2.4	-50.4	20.6	-15.7	5.6	0.1	-2.4	28.0	-7.6	-15.7	5.6	0.1
				Viento -X exc.-	-2.6	-49.8	16.3	-15.5	4.5	0.1	-2.6	27.7	-6.2	-15.5	4.5	0.1
				Viento +Y exc.+	23.2	-10.6	323.1	-3.1	86.7	0.4	23.2	4.8	-110.4	-3.1	86.7	0.4
				Viento +Y exc.-	19.2	-2.6	262.9	-0.6	70.7	0.1	19.2	0.6	-90.6	-0.6	70.7	0.1
	P. Baja +0.00	50x100	-3.60/-0.45	Viento -Y exc.+	-23.2	10.6	-323.1	3.1	-86.7	-0.4	-23.2	-4.8	110.4	3.1	-86.7	-0.4
				Viento -Y exc.-	-19.2	2.6	-262.9	0.6	-70.7	-0.1	-19.2	-0.6	90.6	0.6	-70.7	-0.1
				Peso propio	3005.6	-9.1	-32.7	-8.1	-34.2	0.0	2967.0	16.5	74.9	-8.1	-34.2	0.0
				Cargas muertas	1240.7	-1.0	-21.5	-0.9	-21.6	0.0	1240.7	1.7	46.7	-0.9	-21.6	0.0
				H 1	0.4	-0.0	0.1	0.0	-0.0	0.0	0.4	-0.0	0.3	0.0	-0.0	0.0
				Sobrecarga de uso	1139.1	-2.7	-9.2	-2.4	-9.6	0.0	1139.1	4.9	21.0	-2.4	-9.6	0.0
				Viento +X exc.+	3.0	-14.8	7.1	-13.5	6.9	0.0	3.0	27.8	-14.6	-13.5	6.9	0.0
				Viento +X exc.-	3.2	-14.6	5.6	-13.4	5.4	0.0	3.2	27.5	-11.5	-13.4	5.4	0.0
				Viento -X exc.+	-3.0	14.8	-7.1	13.5	-6.9	0.0	-3.0	-27.8	14.6	13.5	-6.9	0.0
				Viento -X exc.-	-3.2	14.6	-5.6	13.4	-5.4	0.0	-3.2	-27.5	11.5	13.4	-5.4	0.0
	P41	Placa solares +35.30	HE 180 A	Viento +Y exc.+	21.6	3.8	-93.6	3.3	-102.5	-0.0	21.6	-6.7	229.1	3.3	-102.5	-0.0
				Viento +Y exc.-	18.1	1.4	-72.4	1.1	-81.9	-0.0	18.1	-2.2	185.6	1.1	-81.9	-0.0
				Viento -Y exc.+	-21.6	-3.8	93.6	-3.3	102.5	0.0	-21.6	6.7	-229.1	-3.3	102.5	0.0
				Viento -Y exc.-	-18.1	-1.4	72.4	-1.1	81.9	0.0	-18.1	2.2	-185.6	-1.1	81.9	0.0
		Casetón ascensor +35.07	HE 180 A	Peso propio	3.5	-0.0	2.6	-0.0	-1.2	0.0	3.5	-0.0	2.8	-0.0	-1.2	0.0
				Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	-0.0	11.1	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	-0.0	22.5	-0.1	-11.4	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	0.0	-1.2	0.0	0.7	-0.0
				Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.6	0.0	-0.3	0.0	-1.1	-0.0	0.6	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Viento -Y exc.+	0.4	-0.0	1.1	-0.0	-0.7	0.0	0.4	0.0	1.2	-0.0	-0.7	0.0
				Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.6	-0.0	0.3	0.0	1.1	0.0	-0.6	-0.0
		P. séptima +28.70	50x45	Peso propio	4.4	-0.0	-0.7	-0.0	-1.2	0.0	3.5	-0.0	2.6	-0.0	-1.2	0.0
				Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	-0.0	10.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.2	-10.9	-0.1	-11.4	0.0	24.2	-0.0	20.7	-0.1	-11.4	0.0
				Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
				Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	3.8	0.0	1.8	0.0	-0.4	0.0	-1.1	0.0	1.8	0.0
				Viento +Y exc.-	-0.3	-0.0	3.5	-0.0	1.6	0.0	-0.3	-0.0	-1.0	-0.0	1.6	0.0
	P. séptima +28.70	50x45	25.00/28.25	Viento -Y exc.+	0.4	-0.0	-3.8	-0.0	-1.8	0.0	0.4	-0.0	1.1	-0.0	-1.8	0.0
				Viento -Y exc.-	0.3	0.0	-3.5	0.0	-1.6	0.0	0.3	0.0	1.0	0.0	-1.6	0.0
		P. cubierta +32.30	50x40	Peso propio	338.9	-1.0	5.1	-1.1	2.5	0.0	322.9	2.5	-2.9	-1.1	2.5	0.0
				Cargas muertas	127.7	0.6	3.3	0.5	1.8	0.0	127.7	-0.9	-2.4	0.5	1.8	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	292.2	1.4	5.6	1.3	4.6	0.0	292.2	-2.6	-9.3	1.3	4.6	0.0
				Viento +X exc.+	-0.5	9.9	-0.3	7.2	-0.1	-0.0	-0.5	-13.7	0.2	7.2	-0.1	-0.0
				Viento +X exc.-	-0.5	9.9	-0.1	7.3	0.0	0.0	-0.5	-13.7	-0.1	7.3	0.0	0.0
				Viento -X exc.+	0.5	-9.9	0.3	-7.2	0.1	0.0	0.5	13.7	-0.2	-7.2	0.1	0.0
				Viento -X exc.-	0.5	-9.9	0.1	-7.3	-0.0	0.0	0.5	13.7	0.1	-7.3	-0.0	0.0
				Viento +Y exc.+	-2.6	0.0	33.5	0.2	22.9	0.0	-2.6	-0.5	-40.9	0.2	22.9	0.0
				Viento +Y exc.-	-2.2	-0.4	30.4	-0.2	20.6	-0.0	-2.2	0.3	-36.5	-0.2	20.6	-0.0
	P. séptima +28.70	50x45	25.00/28.25	Viento -Y exc.+	2.6	-0.0	-33.5	-0.2	-22.9	-0.0	2.6	0.5	40.9	-0.2	-22.9	-0.0
				Viento -Y exc.-	2.2	0.4	-30.4	0.2	-20.6	0.0	2.2	-0.3	36.5	0.2	-20.6	0.0
		P. cubierta +32.30	50x40	Peso propio	655.8	0.5	6.3	0.5	4.0	-0.0	637.8	-1.0	-6.6	0.5	4.0	-0.0
				Cargas muertas	254.0	0.5	6.0	0.3	3.9	0.0	254.0	-0.6	-6.6	0.3	3.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	397.4	-0.0	0.8	-0.1	0.1	-0.0	397.4	0.3	0.5	-0.1	0.1	-0.0
				Viento +X exc.+	-0.4	10.4	-0.1	7.4	-0.1	-0.0	-0.4	-13.7	0.1	7.4	-0.1	-0.0
				Viento +X exc.-	-0.4	10.4	0.2	7.5	0.1	0.0	-0.4	-13.8	-0.3	7.5	0.1	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento -X exc.+	0.4	-10.4	0.1	-7.4	0.1	0.0	0.4	13.7	-0.1	-7.4	0.1	0.0
				Viento -X exc.-	0.4	-10.4	-0.2	-7.5	-0.1	0.0	0.4	13.8	0.3	-7.5	-0.1	0.0
				Viento +Y exc.+	-1.2	0.0	41.9	0.2	28.0	0.0	-1.2	-0.5	-49.0	0.2	28.0	0.0
				Viento +Y exc.-	-0.8	-0.8	36.9	-0.4	24.2	-0.0	-0.8	0.6	-41.7	-0.4	24.2	-0.0
				Viento -Y exc.+	1.2	-0.0	-41.9	-0.2	-28.0	-0.0	1.2	0.5	49.0	-0.2	-28.0	-0.0
				Viento -Y exc.-	0.8	0.8	-36.9	0.4	-24.2	0.0	0.8	-0.6	41.7	0.4	-24.2	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	971.8	0.3	6.5	0.2	4.0	0.0	953.9	-0.3	-6.6	0.2	4.0	0.0
				Cargas muertas	379.6	0.7	5.1	0.4	3.2	0.0	379.6	-0.7	-5.4	0.4	3.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	502.4	0.3	1.9	0.2	1.2	0.0	502.4	-0.4	-2.0	0.2	1.2	0.0
				Viento +X exc.+	-0.1	16.1	-0.3	11.2	-0.2	-0.0	-0.1	-20.1	0.4	11.2	-0.2	-0.0
				Viento +X exc.-	-0.1	16.2	0.2	11.2	0.1	0.0	-0.1	-20.2	-0.3	11.2	0.1	0.0
				Viento -X exc.+	0.1	-16.1	0.3	-11.2	0.2	0.0	0.1	20.1	-0.4	-11.2	0.2	0.0
				Viento -X exc.-	0.1	-16.2	-0.2	-11.2	-0.1	0.0	0.1	20.2	0.3	-11.2	-0.1	0.0
				Viento +Y exc.+	0.8	0.9	51.9	0.7	34.8	0.1	0.8	-1.4	-61.3	0.7	34.8	0.1
				Viento +Y exc.-	0.9	-0.2	42.8	-0.1	28.4	-0.0	0.9	-0.0	-49.4	-0.1	28.4	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -Y exc.+	-0.8	-0.9	-51.9	-0.7	-34.8	-0.1	-0.8	1.4	61.3	-0.7	-34.8	-0.1
				Viento -Y exc.-	-0.9	0.2	-42.8	0.1	-28.4	0.0	-0.9	0.0	49.4	0.1	-28.4	0.0
				Peso propio	1290.2	0.7	7.1	0.4	4.6	0.0	1270.3	-0.6	-8.0	0.4	4.6	0.0
				Cargas muertas	505.2	0.8	6.3	0.5	4.0	0.0	505.2	-0.7	-6.7	0.5	4.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	607.4	0.3	2.1	0.2	1.3	0.0	607.4	-0.3	-2.1	0.2	1.3	0.0
				Viento +X exc.+	0.1	19.9	-0.2	13.3	-0.2	-0.0	0.1	-23.3	0.3	13.3	-0.2	-0.0
				Viento +X exc.-	0.2	20.0	0.6	13.3	0.3	0.0	0.2	-23.4	-0.6	13.3	0.3	0.0
				Viento -X exc.+	-0.1	-19.9	0.2	-13.3	0.2	0.0	-0.1	23.3	-0.3	-13.3	0.2	0.0
				Viento -X exc.-	-0.2	-20.0	-0.6	-13.3	-0.3	-0.0	-0.2	23.4	0.6	-13.3	-0.3	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento +Y exc.+	3.4	1.5	68.0	1.0	44.7	0.2	3.4	-1.7	-77.2	1.0	44.7	0.2
				Viento +Y exc.-	3.0	-0.2	55.1	-0.1	35.8	0.0	3.0	0.0	-61.4	-0.1	35.8	0.0
				Viento -Y exc.+	-3.4	-1.5	-68.0	-1.0	-44.7	-0.2	-3.4	1.7	77.2	-1.0	-44.7	-0.2
				Viento -Y exc.-	-3.0	0.2	-55.1	0.1	-35.8	-0.0	-3.0	-0.0	61.4	0.1	-35.8	-0.0
				Peso propio	1607.7	0.7	12.5	0.2	6.7	0.0	1587.7	-0.1	-9.3	0.2	6.7	0.0
				Cargas muertas	630.2	0.8	7.9	0.4	4.2	0.0	630.2	-0.4	-5.7	0.4	4.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	712.3	0.3	3.1	0.1	1.7	0.0	712.3	-0.1	-2.6	0.1	1.7	0.0
				Viento +X exc.+	0.4	23.4	-0.3	15.2	-0.4	-0.0	0.4	-26.1	0.9	15.2	-0.4	-0.0
				Viento +X exc.-	0.5	23.5	0.6	15.3	0.2	0.0	0.5	-26.2	-0.2	15.3	0.2	0.0
	P. tercera +14.30	50x50	10.60/13.85	Viento -X exc.+	-0.4	-23.4	0.3	-15.2	0.4	0.0	-0.4	26.1	-0.9	-15.2	0.4	0.0
				Viento -X exc.-	-0.5	-23.5	-0.6	-15.3	-0.2	0.0	-0.5	26.2	0.2	-15.3	-0.2	0.0
				Viento +Y exc.+	6.6	2.2	78.7	1.1	49.0	0.2	6.6	-1.5	-80.7	1.1	49.0	0.2
				Viento +Y exc.-	5.6	0.2	61.9	0.1	38.4	0.0	5.6	-0.1	-62.7	0.1	38.4	0.0
				Viento -Y exc.+	-6.6	-2.2	-78.7	-1.1	-49.0	-0.2	-6.6	1.5	80.7	-1.1	-49.0	-0.2
				Viento -Y exc.-	-5.6	-0.2	-61.9	-0.1	-38.4	-0.0	-5.6	0.1	62.7	-0.1	-38.4	-0.0
				Peso propio	1926.1	-2.4	-8.3	-1.2	-2.4	-0.0	1906.2	1.5	-0.6	-1.2	-2.4	-0.0
				Cargas muertas	759.6	-1.4	-0.0	-0.6	0.6	-0.0	759.6	0.7	-2.0	-0.6	0.6	-0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	817.0	-1.1	-0.9	-0.5	-0.0	0.0	817.0	0.6	-0.7	-0.5	-0.0	0.0
	P. segunda +10.70	50x50	5.25/10.25	Viento +X exc.+	0.6	28.0	-0.1	17.2	-0.7	-0.0	0.6	-27.9	2.1	17.2	-0.7	-0.0
				Viento +X exc.-	0.8	28.1	1.0	17.2	-0.0	-0.0	0.8	-27.9	1.0	17.2	-0.0	-0.0
				Viento -X exc.+	-0.6	-28.0	0.1	-17.2	0.7	0.0	-0.6	27.9	-2.1	-17.2	0.7	0.0
				Viento -X exc.-	-0.8	-28.1	-1.0	-17.2	0.0	0.0	-0.8	27.9	-1.0	-17.2	0.0	0.0
				Viento +Y exc.+	19.0	3.8	94.5	1.0	55.3	0.2	19.0	0.4	-85.2	1.0	55.3	0.2
				Viento +Y exc.-	15.3	1.1	74.1	0.3	43.2	0.0	15.3	0.3	-66.2	0.3	43.2	0.0
				Viento -Y exc.+	-19.0	-3.8	-94.5	-1.0	-55.3	-0.2	-19.0	-0.4	85.2	-1.0	-55.3	-0.2
				Viento -Y exc.-	-15.3	-1.1	-74.1	-0.3	-43.2	-0.0	-15.3	-0.3	66.2	-0.3	-43.2	-0.0
				Peso propio	2230.4	-7.4	16.8	-2.3	4.8	0.0	2199.8	4.3	-7.2	-2.3	4.8	0.0
				Cargas muertas	880.0	-2.2	4.6	-0.8	1.4	0.0	880.0	1.5	-2.3	-0.8	1.4	0.0
	P. primera +5.35	60x60	-0.10/4.90	H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	916.3	-2.6	5.1	-0.9	1.4	0.0	916.3	1.8	-1.9	-0.9	1.4	0.0
				Viento +X exc.+	0.6	29.4	-5.7	11.6	-2.4	-0.0	0.6	-28.8	6.4	11.6	-2.4	-0.0
				Viento +X exc.-	0.9	29.1	-4.5	11.5	-1.9	-0.0	0.9	-28.5	5.3	11.5	-1.9	-0.0
				Viento -X exc.+	-0.6	-29.4	5.7	-11.6	2.4	0.0	-0.6	28.8	-6.4	-11.6	2.4	0.0
				Viento -X exc.-	-0.9	-29.1	4.5	-11.5	1.9	0.0	-0.9	28.5	-5.3	-11.5	1.9	0.0
				Viento +Y exc.+	27.5	-6.1	77.5	-2.7	29.6	0.2	27.5	7.6	-70.7	-2.7	29.6	0.2
				Viento +Y exc.-	21.9	-1.7	59.1	-0.7	22.6	0.1	21.9	1.8	-53.8	-0.7	22.6	0.1
				Viento -Y exc.+	-27.5	6.1	-77.5	2.7	-29.6	-0.2	-27.5	-7.6	70.7	2.7	-29.6	-0.2
				Viento -Y exc.-	-21.9	1.7	-59.1	0.7	-22.6	-0.1	-21.9	-1.8	53.8	0.7	-22.6	-0.1
				Peso propio	2547.0	-3.3	15.7	-3.4	10.9	0.0	2502.9	13.7	-39.0	-3.4	10.9	0.0
				Cargas muertas	1032.3	-2.5	-2.6	-1.5	0.9	0.0	1032.3	5.0	-6.9	-1.5	0.9	0.0
				H 1	-0.0	-0.2	-0.1	-0.1	-0.0	0.0	-0.0	0.2	-0.0	-0.1	-0.0	0.0
				Sobrecarga de uso	1008.2	-1.9	5.1	-1.4	3.6	0.0	1008.2	4.9	-12.6	-1.4	3.6	0.0
				Viento +X exc.+	-1.5	48.4	-8.4	14.3	-2.5	-0.1	-1.5	-22.9	4.2	14.3	-2.5	-0.1
				Viento +X exc.-	-1.1	47.8	-6.6	14.1	-2.0	-0.0	-1.1	-22.6	3.3	14.1	-2.0	-0.0
				Viento -X exc.+	1.5	-48.4	8.4	-14.3	2.5	0.1	1.5	22.9	-4.2	-14.3	2.5	0.1
				Viento -X exc.-	1.1	-47.8	6.6	-14.1	2.0	0.0	1.1	22.6	-3.3	-14.1	2.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x60	-3.60/-0.45	Viento +Y exc.+	27.4	-11.8	111.5	-3.7	33.6	0.2	27.4	6.5	-56.4	-3.7	33.6	0.2
				Viento +Y exc.-	21.4	-3.8	86.0	-1.2	26.0	0.1	21.4	2.3	-43.9	-1.2	26.0	0.1
				Viento -Y exc.+	-27.4	11.8	-111.5	3.7	-33.6	-0.2	-27.4	-6.5	56.4	3.7	-33.6	-0.2
				Viento -Y exc.-	-21.4	3.8	-86.0	1.2	-26.0	-0.1	-21.4	-2.3	43.9	1.2	-26.0	-0.1
				Peso propio	2862.9	3.3	-21.7	3.1	-20.2	0.0	2835.1	-6.3	42.0	3.1	-20.2	0.0
				Cargas muertas	1195.1	-0.4	-13.3	-0.3	-12.2	0.0	1195.1	0.6	25.2	-0.3	-12.2	0.0
				H 1	0.4	-0.0	-0.0	-0.0	-0.1	0.0	0.4	-0.0	0.2	-0.0	-0.1	0.0
				Sobrecarga de uso	1107.3	0.5	-5.9	0.5	-5.5	0.0	1107.3	-1.1	11.5	0.5	-5.5	0.0
				Viento +X exc.+	-1.8	-15.1	2.5	-14.0	2.3	0.0	-1.8	29.1	-4.7	-14.0	2.3	0.0
				Viento +X exc.-	-1.5	-14.9	2.0	-13.9	1.8	0.0	-1.5	28.8	-3.7	-13.9	1.8	0.0
				Viento -X exc.+	1.8	15.1	-2.5	14.0	-2.3	0.0	1.8	-29.1	4.7	14.0	-2.3	0.0
				Viento -X exc.-	1.5	14.9	-2.0	13.9	-1.8	0.0	1.5	-28.8	3.7	13.9	-1.8	0.0
				Viento +Y exc.+	25.3	3.7	-29.1	3.3	-29.0	-0.0	25.3	-6.7	62.2	3.3	-29.0	-0.0
				Viento +Y exc.-	19.8	1.3	-21.1	1.0	-21.7	-0.0	19.8	-1.9	47.3	1.0	-21.7	-0.0
				Viento -Y exc.+	-25.3	-3.7	29.1	-3.3	29.0	0.0	-25.3	6.7	-62.2	-3.3	29.0	0.0
				Viento -Y exc.-	-19.8	-1.3	21.1	-1.0	21.7	0.0	-19.8	1.9	-47.3	-1.0	21.7	0.0
P42	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.2	0.0	3.5	0.0	2.8	0.0	-1.2	0.0
				Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	-0.0	11.1	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	-0.0	22.5	-0.1	-11.4	0.0
				Viento +X exc.+	-0.0	0.1	-0.0	0.2	0.0	0.0	-0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.8	-0.0	-0.4	0.0	-1.2	0.0	0.8	-0.0
				Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.5	0.0	-0.3	-0.0	-1.1	-0.0	0.5	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Viento -Y exc.+	0.4	0.0	1.1	-0.0	-0.8	0.0	0.4	0.0	1.2	-0.0	-0.8	0.0
				Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.5	-0.0	0.3	0.0	1.1	0.0	-0.5	-0.0
				Peso propio	4.4	0.0	-0.8	0.0	-1.2	0.0	3.5	0.0	2.6	0.0	-1.2	0.0
				Cargas muertas	12.1	-0.1	-5.5	-0.0	-5.7	0.0	12.1	-0.0	10.2	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.2	-10.8	-0.1	-11.4	0.0	24.2	-0.0	20.7	-0.1	-11.4	0.0
				Viento +X exc.+	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Viento +Y exc.+	-0.4	0.0	3.9	0.0	1.8	0.0	-0.4	0.0	-1.1	0.0	1.8	0.0
				Viento +Y exc.-	-0.3	-0.0	3.4	-0.0	1.6	0.0	-0.3	-0.0	-1.0	-0.0	1.6	0.0
				Viento -Y exc.+	0.4	-0.0	-3.9	-0.0	-1.8	0.0	0.4	0.0	1.1	-0.0	-1.8	0.0
				Viento -Y exc.-	0.3	0.0	-3.4	0.0	-1.6	0.0	0.3	0.0	1.0	0.0	-1.6	0.0
				Peso propio	356.3	2.7	2.6	2.5	0.2	0.0	340.3	-5.3	1.9	2.5	0.2	0.0
				Cargas muertas	127.2	0.4	3.6	0.3	1.9	0.0	127.2	-0.7	-2.5	0.3	1.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	286.5	0.1	6.0	0.0	4.9	0.0	286.5	0.1	-10.0	0.0	4.9	0.0
				Viento +X exc.+	0.2	8.8	-0.6	6.0	-0.4	-0.0	0.2	-10.9	0.7	6.0	-0.4	-0.0
				Viento +X exc.-	0.2	8.8	-0.3	6.1	-0.2	0.0	0.2	-10.9	0.3	6.1	-0.2	0.0
	P. séptima +28.70	50x45	25.00/28.25	Viento -X exc.+	-0.2	-8.8	0.6	-6.0	0.4	0.0	-0.2	10.9	-0.7	-6.0	0.4	0.0
				Viento -X exc.-	-0.2	-8.8	0.3	-6.1	0.2	0.0	-0.2	10.9	-0.3	-6.1	0.2	0.0
				Viento +Y exc.+	-8.9	-0.4	36.5	-0.3	24.8	0.0	-8.9	0.6	-44.2	-0.3	24.8	0.0
				Viento +Y exc.-	-8.0	-0.9	31.3	-0.7	21.1	-0.0	-8.0	1.4	-37.4	-0.7	21.1	-0.0
				Viento -Y exc.+	8.9	0.4	-36.5	0.3	-24.8	-0.0	8.9	-0.6	44.2	0.3	-24.8	-0.0
				Viento -Y exc.-	8.0	0.9	-31.3	0.7	-21.1	0.0	8.0	-1.4	37.4	0.7	-21.1	0.0
				Peso propio	670.1	0.8	5.5	0.4	3.6	-0.0	652.2	-0.4	-6.1	0.4	3.6	-0.0
				Cargas muertas	249.8	0.2	6.4	0.2	4.2	0.0	249.8	-0.3	-7.2	0.2	4.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	389.0	-0.0	0.9	-0.0	0.1	-0.0	389.0	0.1	0.5	-0.0	0.1	-0.0
	P. sexta +25.10	50x45	21.40/24.65	Viento +X exc.+	0.0	10.7	-0.3	7.7	-0.2	-0.0	0.0	-14.4	0.3	7.7	-0.2	-0.0
				Viento +X exc.-	-0.0	10.8	0.1	7.8	0.1	0.0	-0.0	-14.5	-0.3	7.8	0.1	0.0
				Viento -X exc.+	-0.0	-10.7	0.3	-7.7	0.2	0.0	-0.0	14.4	-0.3	-7.7	0.2	0.0
				Viento -X exc.-	0.0	-10.8	-0.1	-7.8	-0.1	0.0	0.0	14.5	0.3	-7.8	-0.1	0.0
				Viento +Y exc.+	-6.6	0.3	46.6	0.4	31.1	0.0	-6.6	-0.9	-54.5	0.4	31.1	0.0
				Viento +Y exc.-	-5.8	-0.6	38.6	-0.3	25.4	-0.0	-5.8	0.3	-43.8	-0.3	25.4	-0.0
				Viento -Y exc.+	6.6	-0.3	-46.6	-0.4	-31.1	-0.0	6.6	0.9	54.5	-0.4	-31.1	-0.0
				Viento -Y exc.-	5.8	0.6	-38.6	0.3	-25.4	0.0	5.8	-0.3	43.8	0.3	-25.4	0.0
				Peso propio	983.3	1.4	5.4	0.9	3.3	0.0	965.4	-1.6	-5.5	0.9	3.3	0.0
				Cargas muertas	371.7	0.4	5.4	0.3	3.5	0.0	371.7	-0.5	-5.9	0.3	3.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	491.0	0.1	2.0	0.1	1.3	0.0	491.0	-0.1	-2.2	0.1	1.3	0.0
				Viento +X exc.+	-0.3	16.2	-0.6	11.2	-0.4	-0.0	-0.3	-20.1	0.7	11.2	-0.4	-0.0
				Viento +X exc.-	-0.3	16.3	0.1	11.2	0.1	0.0	-0.3	-20.2	-0.2	11.2	0.1	0.0
				Viento -X exc.+	0.3	-16.2	0.6	-11.2	0.4	0.0	0.3	20.1	-0.7	-11.2	0.4	0.0
				Viento -X exc.-	0.3	-16.3	-0.1	-11.2	-0.1	0.0	0.3	20.2	0.2	-11.2	-0.1	0.0
				Viento +Y exc.+	-2.5	1.0	59.1	0.8	39.5	0.1	-2.5	-1.5	-69.4	0.8	39.5	0.1
				Viento +Y exc.-	-2.4	-0.1	46.0	-0.0	30.5	-0.0	-2.4	-0.1	-53.0	-0.0	30.5	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. quinta +21.50	50x50	17.80/21.05	Viento -Y exc.+ Viento -Y exc.-		2.5 2.4	-1.0 0.1	-59.1 -46.0	-0.8 0.0	-39.5 -30.5	-0.1 0.0	2.5 2.4	1.5 0.1	69.4 53.0	-0.8 0.0	-39.5 -30.5	-0.1 0.0
				Peso propio	1299.4	1.6	5.7	1.0	3.8	0.0	1279.5	-1.5	-6.6	1.0	3.8	0.0
				Cargas muertas	493.6	0.5	6.8	0.3	4.3	0.0	493.6	-0.5	-7.2	0.3	4.3	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	593.3	0.2	2.1	0.1	1.3	0.0	593.3	-0.2	-2.1	0.1	1.3	0.0
				Viento +X exc.+	-0.7	20.0	-0.5	13.4	-0.4	-0.0	-0.7	-23.4	0.7	13.4	-0.4	-0.0
				Viento +X exc.-	-0.6	20.1	0.5	13.4	0.3	0.0	-0.6	-23.5	-0.5	13.4	0.3	0.0
				Viento -X exc.+	0.7	-20.0	0.5	-13.4	0.4	0.0	0.7	23.4	-0.7	-13.4	0.4	0.0
				Viento -X exc.-	0.6	-20.1	-0.5	-13.4	-0.3	-0.0	0.6	23.5	0.5	-13.4	-0.3	-0.0
				Viento +Y exc.+	2.9	1.7	77.8	1.1	51.1	0.2	2.9	-1.9	-88.4	1.1	51.1	0.2
				Viento +Y exc.-	1.8	-0.0	59.5	0.0	38.8	0.0	1.8	-0.1	-66.5	0.0	38.8	0.0
				Viento -Y exc.+	-2.9	-1.7	-77.8	-1.1	-51.1	-0.2	-2.9	1.9	88.4	-1.1	-51.1	-0.2
				Viento -Y exc.-	-1.8	0.0	-59.5	-0.0	-38.8	-0.0	-1.8	0.1	66.5	-0.0	-38.8	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1615.2	2.1	11.0	1.0	5.8	0.0	1595.3	-1.3	-7.9	1.0	5.8	0.0
				Cargas muertas	615.2	0.8	8.0	0.3	4.3	0.0	615.2	-0.3	-5.9	0.3	4.3	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	695.5	0.2	3.0	0.1	1.7	0.0	695.5	0.0	-2.6	0.1	1.7	0.0
				Viento +X exc.+	-1.1	24.0	-0.7	15.5	-0.7	-0.0	-1.1	-26.5	1.4	15.5	-0.7	-0.0
				Viento +X exc.-	-0.9	24.2	0.6	15.6	0.2	0.0	-0.9	-26.5	0.0	15.6	0.2	0.0
				Viento -X exc.+	1.1	-24.0	0.7	-15.5	0.7	0.0	1.1	26.5	-1.4	-15.5	0.7	0.0
				Viento -X exc.-	0.9	-24.2	-0.6	-15.6	-0.2	0.0	0.9	26.5	-0.0	-15.6	-0.2	0.0
				Viento +Y exc.+	9.4	2.7	93.1	1.4	57.5	0.2	9.4	-1.8	-93.9	1.4	57.5	0.2
				Viento +Y exc.-	6.7	0.6	69.3	0.3	42.6	0.0	6.7	-0.3	-69.2	0.3	42.6	0.0
				Viento -Y exc.+	-9.4	-2.7	-93.1	-1.4	-57.5	-0.2	-9.4	1.8	93.9	-1.4	-57.5	-0.2
				Viento -Y exc.-	-6.7	-0.6	-69.3	-0.3	-42.6	-0.0	-6.7	0.3	69.2	-0.3	-42.6	-0.0
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1934.2	-0.6	-6.7	-0.1	-2.1	-0.0	1914.3	-0.3	-0.0	-0.1	-2.1	-0.0
				Cargas muertas	741.4	-0.4	2.3	-0.2	1.5	-0.0	741.4	0.2	-2.6	-0.2	1.5	-0.0
				H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	798.5	-0.1	0.9	-0.1	0.7	0.0	798.5	0.2	-1.4	-0.1	0.7	0.0
				Viento +X exc.+	-1.5	26.6	-0.3	16.7	-1.0	-0.0	-1.5	-27.8	2.8	16.7	-1.0	-0.0
				Viento +X exc.-	-1.1	26.7	1.1	16.8	-0.1	-0.0	-1.1	-27.8	1.4	16.8	-0.1	-0.0
				Viento -X exc.+	1.5	-26.6	0.3	-16.7	1.0	0.0	1.5	27.8	-2.8	-16.7	1.0	0.0
				Viento -X exc.-	1.1	-26.7	-1.1	-16.8	0.1	0.0	1.1	27.8	-1.4	-16.8	0.1	0.0
				Viento +Y exc.+	24.0	3.0	95.8	0.8	58.6	0.2	24.0	0.4	-94.8	0.8	58.6	0.2
				Viento +Y exc.-	17.5	0.4	70.9	0.0	43.3	0.0	17.5	0.3	-69.8	0.0	43.3	0.0
				Viento -Y exc.+	-24.0	-3.0	-95.8	-0.8	-58.6	-0.2	-24.0	-0.4	94.8	-0.8	-58.6	-0.2
				Viento -Y exc.-	-17.5	-0.4	-70.9	-0.0	-43.3	-0.0	-17.5	-0.3	69.8	-0.0	-43.3	-0.0
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	2237.8	0.7	10.5	0.2	3.4	0.0	2207.2	-0.3	-6.3	0.2	3.4	0.0
				Cargas muertas	858.9	-0.0	0.6	0.0	0.6	0.0	858.9	-0.1	-2.1	0.0	0.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	895.4	-0.4	3.2	-0.1	1.1	0.0	895.4	0.1	-2.1	-0.1	1.1	0.0
				Viento +X exc.+	-2.0	30.1	-7.7	11.7	-3.2	-0.0	-2.0	-28.2	8.1	11.7	-3.2	-0.0
				Viento +X exc.-	-1.4	29.8	-6.1	11.5	-2.6	-0.0	-1.4	-27.8	6.7	11.5	-2.6	-0.0
				Viento -X exc.+	2.0	-30.1	7.7	-11.7	3.2	0.0	2.0	28.2	-8.1	-11.7	3.2	0.0
				Viento -X exc.-	1.4	-29.8	6.1	-11.5	2.6	0.0	1.4	27.8	-6.7	-11.5	2.6	0.0
				Viento +Y exc.+	40.0	-5.9	87.7	-2.8	32.3	0.2	40.0	8.1	-73.7	-2.8	32.3	0.2
				Viento +Y exc.-	29.2	-1.5	63.8	-0.8	23.5	0.1	29.2	2.3	-53.5	-0.8	23.5	0.1
				Viento -Y exc.+	-40.0	5.9	-87.7	2.8	-32.3	-0.2	-40.0	-8.1	73.7	2.8	-32.3	-0.2
				Viento -Y exc.-	-29.2	1.5	-63.8	0.8	-23.5	-0.1	-29.2	-2.3	53.5	0.8	-23.5	-0.1
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	2603.5	-6.7	5.9	-1.8	5.4	0.0	2559.4	2.5	-21.0	-1.8	5.4	0.0
				Cargas muertas	1038.1	-2.9	-12.2	-1.0	-3.7	0.0	1038.1	2.1	6.5	-1.0	-3.7	0.0
				H 1	-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	0.2	-0.0	-0.1	-0.0	0.0
				Sobrecarga de uso	1004.2	-3.2	1.9	-1.1	1.7	0.0	1004.2	2.5	-6.6	-1.1	1.7	0.0
				Viento +X exc.+	0.7	50.1	-11.4	15.3	-3.7	-0.1	0.7	-26.2	7.1	15.3	-3.7	-0.1
				Viento +X exc.-	1.2	49.6	-8.9	15.1	-2.9	-0.0	1.2	-25.9	5.6	15.1	-2.9	-0.0
				Viento -X exc.+	-0.7	-50.1	11.4	-15.3	3.7	0.1	-0.7	26.2	-7.1	-15.3	3.7	0.1
				Viento -X exc.-	-1.2	-49.6	8.9	-15.1	2.9	0.0	-1.2	25.9	-5.6	-15.1	2.9	0.0
				Viento +Y exc.+	32.4	-11.0	128.2	-3.2	40.9	0.2	32.4	5.0	-76.1	-3.2	40.9	0.2
				Viento +Y exc.-	23.9	-3.0	94.0	-0.8	30.0	0.1	23.9	1.0	-56.2	-0.8	30.0	0.1
				Viento -Y exc.+	-32.4	11.0	-128.2	3.2	-40.9	-0.2	-32.4	-5.0	76.1	3.2	-40.9	-0.2
				Viento -Y exc.-	-23.9	3.0	-94.0	0.8	-30.0	-0.1	-23.9	-1.0	56.2	0.8	-30.0	-0.1
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	2902.3	-8.7	-23.4	-7.9	-21.7	0.0	2874.5	16.1	45.1	-7.9	-21.7	0.0
				Cargas muertas	1208.1	-2.9	-17.0	-2.6	-15.6	0.0	1208.1	5.3	32.2	-2.6	-15.6	0.0
				H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0	0.4	-0.1	0.2	0.0	-0.1	0.0
				Sobrecarga de uso	1097.6	-2.8	-6.3	-2.5	-5.9	0.0	1097.6	5.1	12.2	-2.5	-5.9	0.0
				Viento +X exc.+	1.2	-15.1	3.2	-14.0	3.0	0.0	1.2	29.0	-6.1	-14.0	3.0	0.0
				Viento +X exc.-	1.7	-14.9	2.5	-13.9	2.3	0.0	1.7	28.7	-4.7	-13.9	2.3	0.0
				Viento -X exc.+	-1.2	15.1	-3.2	14.0	-3.0	0.0	-1.2	-29.0	6.1	14.0	-3.0	0.0
				Viento -X exc.-	-1.7	14.9	-2.5	13.9	-2.3	0.0	-1.7	-28.7	4.7	13.9	-2.3	0.0
				Viento +Y exc.+	30.5	3.7	-33.3	3.3	-32.7	-0.0	30.5	-6.7	69.8	3.3	-32.7	-0.0
				Viento +Y exc.-	22.6	1.3	-22.9	1.1	-23.3	-0.0	22.6	-2.0	50.4	1.1	-23.3	-0.0
				Viento -Y exc.+	-30.5	-3.7	33.3	-3.3	32.7	0.0	-30.5	6.7	-69.8	-3.3	32.7	0.0
				Viento -Y exc.-	-22.6	-1.3	22.9	-1.1	23.3	0.0	-22.6	2.0	-50.4	-1.1	23.3	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P43	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.6	-0.0	2.6	-0.0	-1.2	0.0	3.5	-0.0	2.8	-0.0	-1.2	0.0
				Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	-0.0	11.3	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.3	-0.0	20.9	-0.1	-11.5	0.0	24.3	-0.0	22.8	-0.1	-11.5	0.0
				Viento +X exc.+	-0.0	0.1	-0.0	0.2	0.0	0.0	-0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.8	-0.0	-0.4	0.0	-1.3	0.0	0.8	-0.0
				Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.5	0.0	-0.3	0.0	-1.1	-0.0	0.5	0.0
	Caseton ascensor +35.07	HE 160 A	32.20/34.97	Peso propio	4.4	-0.0	-0.7	-0.0	-1.2	0.0	3.6	-0.0	2.6	-0.0	-1.2	0.0
				Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	-0.0	10.3	-0.0	-5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.3	-0.2	-10.9	-0.1	-11.5	0.0	24.3	-0.0	20.9	-0.1	-11.5	0.0
				Viento +X exc.+	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	3.9	0.0	1.8	0.0	-0.4	0.0	-1.1	0.0	1.8	0.0
				Viento +Y exc.-	-0.3	-0.0	3.3	-0.0	1.5	0.0	-0.3	-0.0	-1.0	-0.0	1.5	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	336.2	-0.5	5.2	-1.0	3.0	0.0	320.2	2.9	-4.7	-1.0	3.0	0.0
				Cargas muertas	129.9	0.2	3.1	-0.2	1.7	0.0	129.9	0.8	-2.4	-0.2	1.7	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	297.1	-0.1	5.2	-0.6	4.3	0.0	297.1	2.0	-8.9	-0.6	4.3	0.0
				Viento +X exc.+	0.3	9.9	-0.6	7.1	-0.4	-0.0	0.3	-13.1	0.6	7.1	-0.4	-0.0
				Viento +X exc.-	0.3	9.9	-0.2	7.1	-0.1	0.0	0.3	-13.2	0.1	7.1	-0.1	0.0
				Viento -X exc.+	-0.3	-9.9	0.6	-7.1	0.4	0.0	-0.3	13.1	-0.6	-7.1	0.4	0.0
				Viento -X exc.-	-0.3	-9.9	0.2	-7.1	0.1	0.0	-0.3	13.2	-0.1	-7.1	0.1	0.0
				Viento +Y exc.+	-2.4	0.0	35.4	0.1	24.0	0.0	-2.4	-0.4	-42.6	0.1	24.0	0.0
				Viento +Y exc.-	-1.8	-0.5	28.6	-0.3	19.2	-0.0	-1.8	0.4	-33.9	-0.3	19.2	-0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	657.9	2.0	3.2	1.4	2.0	-0.0	639.9	-2.7	-3.2	1.4	2.0	-0.0
				Cargas muertas	257.2	1.4	5.4	0.9	3.5	0.0	257.2	-1.7	-6.0	0.9	3.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	402.7	1.1	-0.3	0.8	-0.6	-0.0	402.7	-1.4	1.6	0.8	-0.6	-0.0
				Viento +X exc.+	0.3	11.0	-0.4	7.8	-0.2	-0.0	0.3	-14.4	0.4	7.8	-0.2	-0.0
				Viento +X exc.-	0.3	11.1	0.2	7.9	0.2	0.0	0.3	-14.5	-0.4	7.9	0.2	0.0
				Viento -X exc.+	-0.3	-11.0	0.4	-7.8	0.2	0.0	-0.3	14.4	-0.4	-7.8	0.2	0.0
				Viento -X exc.-	-0.3	-11.1	-0.2	-7.9	-0.2	0.0	-0.3	14.5	0.4	-7.9	-0.2	0.0
				Viento +Y exc.+	-1.5	0.0	47.3	0.2	31.8	0.0	-1.5	-0.6	-56.1	0.2	31.8	0.0
				Viento +Y exc.-	-0.9	-0.8	36.9	-0.4	24.5	-0.0	-0.9	0.6	-42.5	-0.4	24.5	-0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	978.0	1.7	4.4	1.0	2.7	0.0	960.1	-1.6	-4.4	1.0	2.7	0.0
				Cargas muertas	383.7	1.3	4.8	0.8	3.1	0.0	383.7	-1.3	-5.2	0.8	3.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	508.1	0.8	1.1	0.5	0.7	0.0	508.1	-0.8	-1.2	0.5	0.7	0.0
				Viento +X exc.+	0.3	16.9	-0.7	11.6	-0.5	-0.0	0.3	-20.8	0.8	11.6	-0.5	-0.0
				Viento +X exc.-	0.3	16.9	0.2	11.6	0.2	0.0	0.3	-20.8	-0.4	11.6	0.2	0.0
				Viento -X exc.+	-0.3	-16.9	0.7	-11.6	0.5	0.0	-0.3	20.8	-0.8	-11.6	0.5	0.0
				Viento -X exc.-	-0.3	-16.9	-0.2	-11.6	-0.2	0.0	-0.3	20.8	0.4	-11.6	-0.2	0.0
				Viento +Y exc.+	1.4	0.8	61.5	0.7	41.4	0.1	1.4	-1.4	-73.1	0.7	41.4	0.1
				Viento +Y exc.-	1.2	-0.3	45.4	-0.1	30.3	-0.0	1.2	0.0	-52.9	-0.1	30.3	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1300.7	2.1	4.5	1.3	3.1	0.0	1280.8	-2.2	-5.4	1.3	3.1	0.0
				Cargas muertas	510.4	1.5	6.2	0.9	3.9	0.0	510.4	-1.5	-6.6	0.9	3.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	613.6	1.1	1.2	0.7	0.7	0.0	613.6	-1.1	-1.2	0.7	0.7	0.0
				Viento +X exc.+	0.2	20.8	-0.5	13.8	-0.4	-0.0	0.2	-24.2	0.8	13.8	-0.4	-0.0
				Viento +X exc.-	0.2	20.9	0.7	13.9	0.4	0.0	0.2	-24.3	-0.7	13.9	0.4	0.0
				Viento -X exc.+	-0.2	-20.8	0.5	-13.8	0.4	0.0	-0.2	24.2	-0.8	-13.8	0.4	0.0
				Viento -X exc.-	-0.2	-20.9	-0.7	-13.9	-0.4	-0.0	-0.2	24.3	0.7	-13.9	-0.4	-0.0
				Viento +Y exc.+	4.5	1.4	81.6	0.9	53.8	0.2	4.5	-1.6	-93.1	0.9	53.8	0.2
				Viento +Y exc.-	3.5	-0.3	59.1	-0.1	38.7	0.0	3.5	0.1	-66.5	-0.1	38.7	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1622.9	2.7	11.5	1.4	5.9	0.0	1603.0	-1.8	-7.5	1.4	5.9	0.0
				Cargas muertas	636.2	1.8	7.6	0.9	4.0	0.0	636.2	-1.2	-5.3	0.9	4.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	719.2	1.2	2.7	0.6	1.5	0.0	719.2	-0.8	-2.1	0.6	1.5	0.0
				Viento +X exc.+	-0.0	25.1	-0.8	16.1	-0.8	-0.0	-0.0	-27.4	1.6	16.1	-0.8	-0.0
				Viento +X exc.-	0.1	25.2	0.8	16.2	0.3	0.0	0.1	-27.4	-0.1	16.2	0.3	0.0
				Viento -X exc.+	0.0	-25.1	0.8	-16.1	0.8	0.0	0.0	27.4	-1.6	-16.1	0.8	0.0
				Viento -X exc.-	-0.1	-25.2	-0.8	-16.2	-0.3	0.0	-0.1	27.4	0.1	-16.2	-0.3	0.0
				Viento +Y exc.+	7.6	2.0	96.4	1.0	60.1	0.2	7.6	-1.3	-98.9	1.0	60.1	0.2
				Viento +Y exc.-	5.7	0.1	68.2	0.0	42.3	0.0	5.7	0.0	-69.3	0.0	42.3	0.0
				Viento -Y exc.+	-7.6	-2.0	-96.4	-1.0	-60.1	-0.2	-7.6	1.3	98.9	-1.0	-60.1	-0.2
				Viento -Y exc.-	-5.7	-0.1	-68.2	-0.0	-42.3	-0.0	-5.7	-0.0	69.3	-0.0	-42.3	-0.0
	P. tercera +14.30	50x50	10.60/13.85	Peso propio	1948.6	-1.0	-10.0	-0.2	-3.5	-0.0	1928.6	-0.4	1.3	-0.2	-3.5	-0.0
				Cargas muertas	764.9	-0.4	-0.6	0.0	-0.0	-0.0	764.9	-0.4	-0.6	0.0	-0.0	-0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	825.9	-0.1	-0.6	0.1	-0.0	0.0	825.9	-0.4	-0.6	0.1	-0.0	0.0
				Viento +X exc.+	-0.3	27.5	-0.5	17.3	-1.2	-0.0	-0.3	-28.8	3.4	17.3	-1.2	-0.0
				Viento +X exc.-	-0.1	27.7	1.2	17.4	-0.2	-0.0	-0.1	-28.8	1.7	17.4	-0.2	-0.0
				Viento -X exc.+	0.3	-27.5	0.5	-17.3	1.2	0.0	0.3	28.8	-3.4	-17.3	1.2	0.0
				Viento -X exc.-	0.1	-27.7	-1.2	-17.4	0.2	0.0	0.1	28.8	-1.7	-17.4	0.2	0.0
				Viento +Y exc.+	14.6	3.3	103.9	0.8	62.7	0.2	14.6	0.8	-99.9	0.8	62.7	0.2
				Viento +Y exc.-	10.5	0.6	72.9	0.0	43.9	0.0	10.5	0.5	-69.9	0.0	43.9	0.0
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	2263.4	-2.4	18.1	-0.8	5.4	0.0	2232.7	1.6	-9.0	-0.8	5.4	0.0
				Cargas muertas	886.3	0.4	6.0	0.1	1.9	0.0	886.3	-0.1	-3.7	0.1	1.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	926.1	-1.3	5.6	-0.4	1.6	0.0	926.1	0.7	-2.5	-0.4	1.6	0.0
				Viento +X exc.+	-1.3	28.5	-8.2	11.2	-3.5	-0.0	-1.3	-27.7	9.3	11.2	-3.5	-0.0
				Viento +X exc.-	-0.8	28.2	-6.4	11.1	-2.8	-0.0	-0.8	-27.3	7.6	11.1	-2.8	-0.0
				Viento -X exc.+	1.3	-28.5	8.2	-11.2	3.5	0.0	1.3	27.7	-9.3	-11.2	3.5	0.0
				Viento -X exc.-	0.8	-28.2	6.4	-11.1	2.8	0.0	0.8	27.3	-7.6	-11.1	2.8	0.0
				Viento +Y exc.+	26.9	-6.1	89.4	-2.8	33.8	0.2	26.9	7.8	-79.4	-2.8	33.8	0.2
				Viento +Y exc.-	19.0	-1.8	62.3	-0.8	23.5	0.1	19.0	2.1	-55.3	-0.8	23.5	0.1
	P. primera +5.35	60x60	-0.10/4.90	Peso propio	2577.2	2.4	21.0	-0.1	12.7	0.0	2533.1	2.9	-42.6	-0.1	12.7	0.0
				Cargas muertas	1036.8	7.1	-0.4	2.2	1.8	0.0	1036.8	-3.7	-9.6	2.2	1.8	0.0
				H 1	-0.0	-0.2	-0.1	-0.1	-0.0	0.0	-0.0	0.2	-0.1	-0.1	-0.0	0.0
				Sobrecarga de uso	1020.2	-0.4	7.4	-0.5	4.3	0.0	1020.2	2.3	-14.2	-0.5	4.3	0.0
				Viento +X exc.+	-3.3	48.2	-12.4	14.1	-3.7	-0.1	-3.3	-22.2	6.3	14.1	-3.7	-0.1
				Viento +X exc.-	-2.9	47.7	-9.6	13.9	-2.9	-0.0	-2.9	-21.9	4.9	13.9	-2.9	-0.0
				Viento -X exc.+	3.3	-48.2	12.4	-14.1	3.7	0.1	3.3	22.2	-6.3	-14.1	3.7	0.1
				Viento -X exc.-	2.9	-47.7	9.6	-13.9	2.9	0.0	2.9	21.9	-4.9	-13.9	2.9	0.0
				Viento +Y exc.+	23.1	-11.5	130.5	-3.5	39.3	0.2	23.1	6.0	-66.3	-3.5	39.3	0.2
				Viento +Y exc.-	16.1	-3.5	91.4	-1.1	27.7	0.1	16.1	2.0	-46.9	-1.1	27.7	0.1
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	2897.5	3.2	-20.1	2.9	-18.8	0.0	2869.7	-6.1	39.0	2.9	-18.8	0.0
				Cargas muertas	1202.9	5.9	-13.5	5.4	-12.4	0.0	1202.9	-11.2	25.5	5.4	-12.4	0.0
				H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0	0.4	-0.1	0.2	0.0	-0.1	0.0
				Sobrecarga de uso	1119.8	0.7	-4.8	0.7	-4.5	0.0	1119.8	-1.4	9.4	0.7	-4.5	0.0
				Viento +X exc.+	-4.0	-14.8	3.9	-13.8	3.6	0.0	-4.0	28.6	-7.3	-13.8	3.6	0.0
				Viento +X exc.-	-3.6	-14.7	3.0	-13.6	2.8	0.0	-3.6	28.2	-5.7	-13.6	2.8	0.0
				Viento -X exc.+	4.0	14.8	-3.9	13.8	-3.6	0.0	4.0	-28.6	7.3	13.8	-3.6	0.0
				Viento -X exc.-	3.6	14.7	-3.0	13.6	-2.8	0.0	3.6	-28.2	5.7	13.6	-2.8	0.0
				Viento +Y exc.+	22.7	3.8	-35.6	3.3	-34.8	-0.0	22.7	-6.8	74.1	3.3	-34.8	-0.0
				Viento +Y exc.-	15.8	1.3	-23.5	1.1	-23.7	-0.0	15.8	-2.1	51.2	1.1	-23.7	-0.0
	P44	Placa solares +35.30	HE 180 A	Peso propio	3.5	-0.0	2.7	0.0	-1.3	0.0	3.5	-0.0	2.9	0.0	-1.3	0.0
				Cargas muertas	12.0	-0.0	10.7	-0.0	-5.9	0.0	12.0	-0.0	11.6	-0.0	-5.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	23.9	-0.1	21.6	-0.0	-11.6	0.0	23.9	-0.1	23.4	-0.0	-11.6	0.0
				Viento +X exc.+	-0.1	0.1	0.0	0.4	0.0	0.0	-0.1	0.0	-0.0	0.4	0.0	0.0
				Viento +X exc.-	-0.1	0.1	-0.0	0.4	0.0	-0.0	-0.1	0.0	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	0.1	-0.1	0.0	-0.4	-0.0	-0.0	0.1	-0.0	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	0.1	-0.1	0.0	-0.4	-0.0	0.0	0.1	-0.0	0.0	-0.4	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	-1.0	0.0	1.2	-0.0	-0.4	0.0	-1.2	0.0	1.2	-0.0
				Viento +Y exc.-	-0.3	-0.0	-0.9	-0.0	0.8	0.0	-0.3	0.0	-1.0	-0.0	0.8	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.5	0.0	-0.8	0.0	-1.3	0.0	3.5	-0.0	2.7	0.0	-1.3	0.0
				Cargas muertas	12.0	-0.1	-5.6	-0.0	-5.9	0.0	12.0	-0.0	10.7	-0.0	-5.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	23.9	-0.2	-10.7	-0.0	-11.6	0.0	23.9	-0.1	21.6	-0.0	-11.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-0.1	2.2	0.0	0.8	0.0	0.0	-0.1	0.1	0.0	0.8	0.0	0.0
				Viento +X exc.-	-0.1	2.2	0.1	0.8	0.0	0.0	-0.1	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	0.1	-2.2	-0.0	-0.8	-0.0	0.0	0.1	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	0.1	-2.2	-0.1	-0.8	-0.0	0.0	0.1	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	-0.4	0.0	5.7	0.0	2.4	0.0	-0.4	0.0	-1.0	0.0	2.4	0.0
				Viento +Y exc.-	-0.3	-0.0	4.6	-0.0	2.0	0.0	-0.3	-0.0	-0.9	-0.0	2.0	0.0
				Viento -Y exc.+	0.4	-0.0	-5.7	-0.0	-2.4	0.0	0.4	-0.0	1.0	-0.0	-2.4	0.0
				Viento -Y exc.-	0.3	0.0	-4.6	0.0	-2.0	0.0	0.3	0.0	0.9	0.0	-2.0	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	355.3	-3.7	-8.2	-0.9	-5.7	0.0	339.3	-0.7	10.4	-0.9	-5.7	0.0
				Cargas muertas	128.9	-0.4	0.9	0.3	0.6	0.0	128.9	-1.4	-0.9	0.3	0.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	276.5	1.7	5.7	2.3	5.4	0.0	276.5	-5.6	-12.0	2.3	5.4	0.0
				Viento +X exc.+	-0.7	9.5	-0.6	6.6	-0.4	-0.0	-0.7	-12.0	0.6	6.6	-0.4	-0.0
				Viento +X exc.-	-0.6	9.5	-0.1	6.6	-0.0	0.0	-0.6	-12.0	0.0	6.6	-0.0	0.0
				Viento -X exc.+	0.7	-9.5	0.6	-6.6	0.4	0.0	0.7	12.0	-0.6	-6.6	0.4	0.0
				Viento -X exc.-	0.6	-9.5	0.1	-6.6	0.0	0.0	0.6	12.0	-0.0	-6.6	0.0	0.0
				Viento +Y exc.+	-14.7	0.1	37.8	0.2	25.9	0.0	-14.7	-0.5	-46.4	0.2	25.9	0.0
				Viento +Y exc.-	-15.3	-0.3	29.3	-0.1	20.1	-0.0	-15.3	0.1	-35.9	-0.1	20.1	-0.0
	P. séptima +28.70	50x45	25.00/28.25	Viento -Y exc.+	14.7	-0.1	-37.8	-0.2	-25.9	-0.0	14.7	0.5	46.4	-0.2	-25.9	-0.0
				Viento -Y exc.-	15.3	0.3	-29.3	0.1	-20.1	0.0	15.3	-0.1	35.9	0.1	-20.1	0.0
				Peso propio	697.7	-7.7	-12.8	-5.0	-7.9	-0.0	679.8	8.7	13.1	-5.0	-7.9	-0.0
				Cargas muertas	259.2	-2.0	1.7	-1.3	1.2	0.0	259.2	2.3	-2.1	-1.3	1.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	385.7	-1.9	-3.3	-1.5	-2.6	-0.0	385.7	3.0	5.2	-1.5	-2.6	-0.0
				Viento +X exc.+	-0.7	11.4	-0.3	8.1	-0.2	-0.0	-0.7	-14.9	0.4	8.1	-0.2	-0.0
				Viento +X exc.-	-0.6	11.4	0.4	8.1	0.3	0.0	-0.6	-15.0	-0.6	8.1	0.3	0.0
				Viento -X exc.+	0.7	-11.4	0.3	-8.1	0.2	0.0	0.7	14.9	-0.4	-8.1	0.2	0.0
				Viento -X exc.-	0.6	-11.4	-0.4	-8.1	-0.3	0.0	0.6	15.0	0.6	-8.1	-0.3	0.0
	P. sexta +25.10	50x45	21.40/24.65	Viento +Y exc.+	-13.2	0.3	49.9	0.3	33.6	0.0	-13.2	-0.7	-59.3	0.3	33.6	0.0
				Viento +Y exc.-	-13.7	-0.7	36.6	-0.4	24.3	-0.0	-13.7	0.5	-42.3	-0.4	24.3	-0.0
				Viento -Y exc.+	13.2	-0.3	-49.9	-0.3	-33.6	-0.0	13.2	0.7	59.3	-0.3	-33.6	-0.0
				Viento -Y exc.-	13.7	0.7	-36.6	0.4	-24.3	0.0	13.7	-0.5	42.3	0.4	-24.3	0.0
				Peso propio	1038.1	-6.4	-10.3	-3.9	-6.5	0.0	1020.2	6.1	10.7	-3.9	-6.5	0.0
				Cargas muertas	388.8	-1.5	1.4	-0.9	1.0	0.0	388.8	1.3	-1.8	-0.9	1.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	493.3	-1.0	-1.3	-0.5	-0.7	0.0	493.3	0.7	1.0	-0.5	-0.7	0.0
				Viento +X exc.+	-0.7	17.1	-0.6	11.7	-0.4	-0.0	-0.7	-20.9	0.8	11.7	-0.4	-0.0
				Viento +X exc.-	-0.6	17.1	0.5	11.7	0.3	0.0	-0.6	-21.0	-0.6	11.7	0.3	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -X exc.+	0.7	-17.1	0.6	-11.7	0.4	0.0	0.7	20.9	-0.8	-11.7	0.4	0.0
				Viento -X exc.-	0.6	-17.1	-0.5	-11.7	-0.3	0.0	0.6	21.0	0.6	-11.7	-0.3	0.0
				Viento +Y exc.+	-8.9	1.2	66.8	0.9	44.9	0.1	-8.9	-1.7	-79.3	0.9	44.9	0.1
				Viento +Y exc.-	-10.4	-0.1	46.8	0.0	31.2	-0.0	-10.4	-0.2	-54.7	0.0	31.2	-0.0
				Viento -Y exc.+	8.9	-1.2	-66.8	-0.9	-44.9	-0.1	8.9	1.7	79.3	-0.9	-44.9	-0.1
				Viento -Y exc.-	10.4	0.1	-46.8	-0.0	-31.2	0.0	10.4	0.2	54.7	-0.0	-31.2	0.0
				Peso propio	1381.3	-6.4	-12.8	-4.1	-7.9	0.0	1361.4	6.8	12.8	-4.1	-7.9	0.0
				Cargas muertas	518.4	-1.4	2.2	-0.9	1.4	0.0	518.4	1.6	-2.3	-0.9	1.4	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	601.2	-1.0	-1.9	-0.7	-1.2	0.0	601.2	1.2	2.0	-0.7	-1.2	0.0
				Viento +X exc.+	-0.9	20.9	-0.4	13.9	-0.3	-0.0	-0.9	-24.4	0.7	13.9	-0.3	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento +X exc.-	-0.7	21.0	1.2	14.0	0.7	0.0	-0.7	-24.5	-1.1	14.0	0.7	0.0
				Viento -X exc.+	0.9	-20.9	0.4	-13.9	0.3	0.0	0.9	24.4	-0.7	-13.9	0.3	0.0
				Viento -X exc.-	0.7	-21.0	-1.2	-14.0	-0.7	-0.0	0.7	24.5	1.1	-14.0	-0.7	-0.0
				Viento +Y exc.+	-3.2	1.8	88.9	1.2	58.7	0.2	-3.2	-2.0	-101.7	1.2	58.7	0.2
				Viento +Y exc.-	-6.3	0.0	61.2	0.1	40.1	0.0	-6.3	-0.2	-69.1	0.1	40.1	0.0
				Viento -Y exc.+	3.2	-1.8	-88.9	-1.2	-58.7	-0.2	3.2	2.0	101.7	-1.2	-58.7	-0.2
				Viento -Y exc.-	6.3	-0.0	-61.2	-0.1	-40.1	-0.0	6.3	0.2	69.1	-0.1	-40.1	-0.0
				Peso propio	1724.6	-7.1	-7.2	-4.4	-5.3	0.0	1704.6	7.1	9.9	-4.4	-5.3	0.0
				Cargas muertas	647.6	-2.2	3.4	-1.3	1.4	0.0	647.6	2.0	-1.2	-1.3	1.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	709.1	-1.4	-1.1	-0.9	-0.7	0.0	709.1	1.4	1.2	-0.9	-0.7	0.0
	P. tercera +14.30	50x50	10.60/13.85	Viento +X exc.+	-1.1	25.2	-0.7	16.2	-0.7	-0.0	-1.1	-27.5	1.6	16.2	-0.7	-0.0
				Viento +X exc.-	-0.7	25.3	1.3	16.3	0.5	0.0	-0.7	-27.6	-0.5	16.3	0.5	0.0
				Viento -X exc.+	1.1	-25.2	0.7	-16.2	0.7	0.0	1.1	27.5	-1.6	-16.2	0.7	0.0
				Viento -X exc.-	0.7	-25.3	-1.3	-16.3	-0.5	0.0	0.7	27.6	0.5	-16.3	-0.5	0.0
				Viento +Y exc.+	3.7	2.3	108.7	1.2	67.2	0.2	3.7	-1.7	-109.8	1.2	67.2	0.2
				Viento +Y exc.-	-1.5	0.3	73.3	0.2	45.2	0.0	-1.5	-0.3	-73.5	0.2	45.2	0.0
				Viento -Y exc.+	-3.7	-2.3	-108.7	-1.2	-67.2	-0.2	-3.7	1.7	109.8	-1.2	-67.2	-0.2
				Viento -Y exc.-	1.5	-0.3	-73.3	-0.2	-45.2	-0.0	1.5	0.3	73.5	-0.2	-45.2	-0.0
				Peso propio	2072.9	-4.4	-19.6	-3.5	-11.3	-0.0	2053.0	6.9	17.1	-3.5	-11.3	-0.0
				Cargas muertas	782.1	-0.3	-1.8	-0.7	-1.4	-0.0	782.1	2.1	2.7	-0.7	-1.4	-0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	817.8	-0.3	-1.7	-0.5	-1.2	0.0	817.8	1.3	2.3	-0.5	-1.2	0.0
				Viento +X exc.+	-1.5	26.6	-0.4	17.0	-1.3	-0.0	-1.5	-28.5	3.7	17.0	-1.3	-0.0
				Viento +X exc.-	-0.9	26.8	1.6	17.0	0.0	-0.0	-0.9	-28.5	1.6	17.0	0.0	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento -X exc.+	1.5	-26.6	0.4	-17.0	1.3	0.0	1.5	28.5	-3.7	-17.0	1.3	0.0
				Viento -X exc.-	0.9	-26.8	-1.6	-17.0	-0.0	0.0	0.9	28.5	-1.6	-17.0	-0.0	0.0
				Viento +Y exc.+	19.9	2.8	109.9	0.6	67.9	0.2	19.9	0.9	-110.6	0.6	67.9	0.2
				Viento +Y exc.-	9.4	0.2	73.4	-0.1	45.3	0.0	9.4	0.6	-73.9	-0.1	45.3	0.0
				Viento -Y exc.+	-19.9	-2.8	-109.9	-0.6	-67.9	-0.2	-19.9	-0.9	110.6	-0.6	-67.9	-0.2
				Viento -Y exc.-	-9.4	-0.2	-73.4	0.1	-45.3	-0.0	-9.4	-0.6	73.9	0.1	-45.3	-0.0
	P. segunda +10.70	50x50	5.25/10.25	Peso propio	2399.2	-11.0	-13.5	-3.3	-4.0	0.0	2368.6	5.4	6.4	-3.3	-4.0	0.0
				Cargas muertas	905.7	-5.3	-6.5	-1.4	-1.6	0.0	905.7	1.6	1.7	-1.4	-1.6	0.0
				H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	919.7	-1.8	-2.9	-0.4	-0.8	0.0	919.7	0.4	1.1	-0.4	-0.8	0.0
				Viento +X exc.+	-2.5	30.2	-9.6	11.6	-4.0	-0.0	-2.5	-28.0	10.6	11.6	-4.0	-0.0
				Viento +X exc.-	-1.6	29.9	-7.4	11.5	-3.2	-0.0	-1.6	-27.6	8.7	11.5	-3.2	-0.0
				Viento -X exc.+	2.5	-30.2	9.6	-11.6	4.0	0.0	2.5	28.0	-10.6	-11.6	4.0	0.0
				Viento -X exc.-	1.6	-29.9	7.4	-11.5	3.2	0.0	1.6	27.6	-8.7	-11.5	3.2	0.0
				Viento +Y exc.+	36.6	-6.5	99.9	-3.0	37.1	0.2	36.6	8.4	-85.6	-3.0	37.1	0.2
				Viento +Y exc.-	20.7	-1.9	67.1	-0.9	24.9	0.1	20.7	2.4	-57.6	-0.9	24.9	0.1
	P. primera +5.35	60x60	-0.10/4.90	Viento -Y exc.+	-36.6	6.5	-99.9	3.0	-37.1	-0.2	-36.6	-8.4	85.6	3.0	-37.1	-0.2
				Viento -Y exc.-	-20.7	1.9	-67.1	0.9	-24.9	-0.1	-20.7	-2.4	57.6	0.9	-24.9	-0.1
				Peso propio	2832.9	-28.6	-39.0	-12.3	-15.7	0.0	2788.8	32.9	39.6	-12.3	-15.7	0.0
				Cargas muertas	1091.5	-14.6	-25.8	-6.4	-10.1	0.0	1091.5	17.6	24.6	-6.4	-10.1	0.0
				H 1	-0.1	-0.3	-0.1	-0.1	-0.0	0.0	-0.1	0.2	-0.1	-0.1	-0.0	0.0
				Sobrecarga de uso	1042.8	-5.8	-9.1	-2.4	-3.6	0.0	1042.8	6.4	8.7	-2.4	-3.6	0.0
				Viento +X exc.+	-2.1	51.1	-14.7	15.6	-4.5	-0.1	-2.1	-27.1	7.8	15.6	-4.5	-0.1
				Viento +X exc.-	-1.1	50.5	-11.4	15.5	-3.4	-0.0	-1.1	-26.7	5.8	15.5	-3.4	-0.0
				Viento -X exc.+	2.1	-51.1	14.7	-15.6	4.5	0.1	2.1	27.1	-7.8	-15.6	4.5	0.1
				Viento -X exc.-	1.1	-50.5	11.4	-15.5	3.4	0.0	1.1	26.7	-5.8	-15.5	3.4	0.0
	P. Baja +0.00	60x60	-3.60/-0.45	Viento +Y exc.+	37.4	-12.0	146.5	-3.7	45.8	0.2	37.4	6.5	-82.5	-3.7	45.8	0.2
				Viento +Y exc.-	21.2	-3.6	98.6	-1.1	30.9	0.1	21.2	2.0	-56.0	-1.1	30.9	0.1
				Viento -Y exc.+	-37.4	12.0	-146.5	3.7	-45.8	-0.2	-37.4	-6.5	82.5	3.7	-45.8	-0.2
				Viento -Y exc.-	-21.2	3.6	-98.6	1.1	-30.9	-0.1	-21.2	-2.0	56.0	1.1	-30.9	-0.1
				Peso propio	3189.8	-15.9	-42.3	-14.4	-38.9	0.0	3162.0	29.5	80.3	-14.4	-38.9	0.0
				Cargas muertas	1252.3	-7.3	-23.2	-6.6	-21.2	0.0	1252.3	13.5	43.7	-6.6	-21.2	0.0
				H 1	0.7	-0.1	-0.0	-0.1	-0.1	0.0	0.7	0.2	0.2	-0.1	-0.1	0.0
				Sobrecarga de uso	1149.0	-3.4	-10.7	-3.1	-9.8	0.0	1149.0	6.3	20.3	-3.1	-9.8	0.0
				Viento +X exc.+	-2.5	-14.5	4.4	-13.5	4.0	0.0	-2.5	27.9	-8.3	-13.5	4.0	0.0
				Viento +X exc.-	-1.5	-14.3	3.4	-13.3	3.1	0.0	-1.5	27.6	-6.5	-13.3	3.1	0.0
P45	Placa solares +35.30	HE 180 A	34.97/35.13	Viento -X exc.+	2.5	14.5	-4.4	13.5	-4.0	0.0	2.5	-27.9	8.3	13.5	-4.0	0.0
				Viento -X exc.-	1.5	14.3	-3.4	13.3	-3.1	0.0	1.5	-27.6	6.5	13.3	-3.1	0.0
				Viento +Y exc.+	36.8	3.6	-38.2	3.2	-37.1	-0.0	36.8	-6.4	78.7	3.2	-37.1	-0.0
				Viento +Y exc.-	20.8	1.2	-24.1	1.0	-24.2	-0.0	20.8	-1.9	52.1	1.0	-24.2	-0.0
				Viento -Y exc.+	-36.8	-3.6	38.2	-3.2	37.1	0.0	-36.8	6.4	-78.7	-3.2	37.1	0.0
				Viento -Y exc.-	-20.8	-1.2	24.1	-1.0	24.2	0.0	-20.8	1.9	-52.1	-1.0	24.2	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	2.1	-0.6	1.4	0.3	-0.7	0.0	2.1	-0.7	1.5	0.3	-0.7	0.0
				Cargas muertas	6.6	-1.9	5.2	1.1	-2.9	0.0	6.6	-2.1	5.6	1.1	-2.9	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	12.8	-3.7	10.1	2.0	-5.5	0.0	12.8	-4.1	11.0	2.0	-5.5	0.0
				Viento +X exc.+	0.1	-0.5	-0.0	0.3	0.0	0.0	0.1	-0.5	-0.0	0.3	0.0	0.0
				Viento +X exc.-	0.1	-0.5	-0.0	0.3	0.0	-0.0	0.1	-0.5	-0.0	0.3	0.0	-0.0
				Viento -X exc.+	-0.1	0.5	0.0	-0.3	-0.0	-0.0	-0.1	0.5	0.0	-0.3	-0.0	-0.0
				Viento -X exc.-	-0.1	0.5	0.0	-0.3	-0.0	0.0	-0.1	0.5	0.0	-0.3	-0.0	0.0
				Viento +Y exc.+	-0.3	-0.0	-1.1	0.0	0.5	-0.0	-0.3	-0.0	-1.2	0.0	0.5	-0.0
				Viento +Y exc.-	-0.3	0.0	-0.9	-0.0	0.2	0.0	-0.3	0.0	-0.9	-0.0	0.2	0.0
	P. cubierta +32.30	50x40	28.60/31.85	Viento -Y exc.+	0.3	0.0	1.1	-0.0	-0.5	0.0	0.3	0.0	1.2	-0.0	-0.5	0.0
				Viento -Y exc.-	0.3	-0.0	0.9	0.0	-0.2	-0.0	0.3	-0.0	0.9	0.0	-0.2	-0.0
				Peso propio	378.5	-6.7	-3.6	-8.4	-3.6	0.0	362.6	20.6	8.1	-8.4	-3.6	0.0
				Cargas muertas	122.5	0.6	-0.0	-0.4	-0.4	0.0	122.5	2.1	1.1	-0.4	-0.4	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	292.3	-8.4	4.3	-9.7	4.1	0.0	292.3	23.1	-8.9	-9.7	4.1	0.0
				Viento +X exc.+	1.4	9.1	-0.9	6.3	-0.6	-0.0	1.4	-11.5	1.0	6.3	-0.6	-0.0
				Viento +X exc.-	1.2	9.1	-0.3	6.4	-0.1	0.0	1.2	-11.6	0.2	6.4	-0.1	0.0
				Viento -X exc.+	-1.4	-9.1	0.9	-6.3	0.6	0.0	-1.4	11.5	-1.0	-6.3	0.6	0.0
				Viento -X exc.-	-1.2	-9.1	0.3	-6.4	0.1	0.0	-1.2	11.6	-0.2	-6.4	0.1	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	50x45	25.00/28.25	Viento +Y exc.+	-16.0	0.9	37.6	0.9	26.2	0.0	-16.0	-2.1	-47.6	0.9	26.2	0.0	
			Viento +Y exc.-	-12.8	0.2	27.1	0.3	18.8	-0.0	-12.8	-0.9	-34.0	0.3	18.8	-0.0	
			Viento -Y exc.+	16.0	-0.9	-37.6	-0.9	-26.2	-0.0	16.0	2.1	47.6	-0.9	-26.2	-0.0	
			Viento -Y exc.-	12.8	-0.2	-27.1	-0.3	-18.8	0.0	12.8	0.9	34.0	-0.3	-18.8	0.0	
			Peso propio	716.3	5.8	-3.9	4.5	-2.4	-0.0	698.3	-9.0	3.7	4.5	-2.4	-0.0	
			Cargas muertas	256.1	3.3	1.7	2.3	1.3	0.0	256.1	-4.1	-2.4	2.3	1.3	0.0	
			H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	402.2	3.5	-2.8	3.2	-2.2	-0.0	402.2	-6.9	4.5	3.2	-2.2	-0.0	
			Viento +X exc.+	0.9	11.0	-0.5	7.8	-0.3	-0.0	0.9	-14.5	0.5	7.8	-0.3	-0.0	
			Viento +X exc.-	0.7	11.0	0.4	7.9	0.3	0.0	0.7	-14.6	-0.5	7.9	0.3	0.0	
P. sexta +25.10	50x45	21.40/24.65	Viento -X exc.+	-0.9	-11.0	0.5	-7.8	0.3	0.0	-0.9	14.5	-0.5	-7.8	0.3	0.0	
			Viento -X exc.-	-0.7	-11.0	-0.4	-7.9	-0.3	0.0	-0.7	14.6	0.5	-7.9	-0.3	0.0	
			Viento +Y exc.+	-13.2	0.5	47.8	0.4	32.7	0.0	-13.2	-0.8	-58.3	0.4	32.7	0.0	
			Viento +Y exc.-	-10.6	-0.5	33.1	-0.3	22.3	-0.0	-10.6	0.4	-39.4	-0.3	22.3	-0.0	
			Viento -Y exc.+	13.2	-0.5	-47.8	-0.4	-32.7	-0.0	13.2	0.8	58.3	-0.4	-32.7	-0.0	
			Viento -Y exc.-	10.6	0.5	-33.1	0.3	-22.3	0.0	10.6	-0.4	39.4	0.3	-22.3	0.0	
			Peso propio	1053.2	3.8	-2.3	2.1	-1.5	0.0	1035.3	-3.1	2.4	2.1	-1.5	0.0	
			Cargas muertas	389.0	3.3	1.4	1.9	1.0	0.0	389.0	-3.0	-1.8	1.9	1.0	0.0	
			H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	512.5	1.1	-0.9	0.4	-0.5	0.0	512.5	-0.3	0.6	0.4	-0.5	0.0	
P. quinta +21.50	50x50	17.80/21.05	Viento +X exc.+	0.0	16.7	-0.9	11.5	-0.6	-0.0	0.0	-20.6	1.0	11.5	-0.6	-0.0	
			Viento +X exc.-	-0.1	16.8	0.3	11.5	0.3	0.0	-0.1	-20.7	-0.5	11.5	0.3	0.0	
			Viento -X exc.+	-0.0	-16.7	0.9	-11.5	0.6	0.0	-0.0	20.6	-1.0	-11.5	0.6	0.0	
			Viento -X exc.-	0.1	-16.8	-0.3	-11.5	-0.3	0.0	0.1	20.7	0.5	-11.5	-0.3	0.0	
			Viento +Y exc.+	-8.3	1.7	66.1	1.2	44.9	0.1	-8.3	-2.2	-79.9	1.2	44.9	0.1	
			Viento +Y exc.-	-7.1	0.2	44.1	0.2	29.7	-0.0	-7.1	-0.5	-52.5	0.2	29.7	-0.0	
			Viento -Y exc.+	8.3	-1.7	-66.1	-1.2	-44.9	-0.1	8.3	2.2	79.9	-1.2	-44.9	-0.1	
			Viento -Y exc.-	7.1	-0.2	-44.1	-0.2	-29.7	0.0	7.1	0.5	52.5	-0.2	-29.7	0.0	
			Peso propio	1391.3	4.5	-3.1	2.9	-1.8	0.0	1371.4	-5.0	2.7	2.9	-1.8	0.0	
			Cargas muertas	521.1	3.4	2.5	2.2	1.6	0.0	521.1	-3.7	-2.7	2.2	1.6	0.0	
P. cuarta +17.90	50x50	14.20/17.45	H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	622.4	1.8	-1.2	1.2	-0.8	0.0	622.4	-2.0	1.3	1.2	-0.8	0.0	
			Viento +X exc.+	-1.2	20.8	-0.7	13.8	-0.6	-0.0	-1.2	-24.1	1.1	13.8	-0.6	-0.0	
			Viento +X exc.-	-1.2	20.9	1.0	13.9	0.6	0.0	-1.2	-24.3	-0.9	13.9	0.6	0.0	
			Viento -X exc.+	1.2	-20.8	0.7	-13.8	0.6	0.0	1.2	24.1	-1.1	-13.8	0.6	0.0	
			Viento -X exc.-	1.2	-20.9	-1.0	-13.9	-0.6	-0.0	1.2	24.3	0.9	-13.9	-0.6	-0.0	
			Viento +Y exc.+	-1.7	2.4	88.3	1.6	58.6	0.2	-1.7	-2.6	-102.1	1.6	58.6	0.2	
			Viento +Y exc.-	-2.7	0.4	57.9	0.3	38.2	0.0	-2.7	-0.5	-66.2	0.3	38.2	0.0	
			Viento -Y exc.+	1.7	-2.4	-88.3	-1.6	-58.6	-0.2	1.7	2.6	102.1	-1.6	-58.6	-0.2	
			Viento -Y exc.-	2.7	-0.4	-57.9	-0.3	-38.2	-0.0	2.7	0.5	66.2	-0.3	-38.2	-0.0	
P. tercera +14.30	50x50	10.60/13.85	Peso propio	1729.6	5.6	3.7	3.0	1.2	0.0	1709.7	-4.2	-0.1	3.0	1.2	0.0	
			Cargas muertas	653.4	5.0	4.5	2.6	1.9	0.0	653.4	-3.5	-1.7	2.6	1.9	0.0	
			H 1	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	732.6	1.9	0.3	1.0	0.0	0.0	732.6	-1.4	0.2	1.0	0.0	0.0	
			Viento +X exc.+	-2.9	25.0	-1.0	16.1	-1.0	-0.0	-2.9	-27.4	2.1	16.1	-1.0	-0.0	
			Viento +X exc.-	-2.7	25.1	1.2	16.2	0.4	0.0	-2.7	-27.5	-0.1	16.2	0.4	0.0	
			Viento -X exc.+	2.9	-25.0	1.0	-16.1	1.0	0.0	2.9	27.4	-2.1	-16.1	1.0	0.0	
			Viento -X exc.-	2.7	-25.1	-1.2	-16.2	-0.4	0.0	2.7	27.5	0.1	-16.2	-0.4	0.0	
			Viento +Y exc.+	6.2	3.5	107.7	1.9	67.2	0.2	6.2	-2.6	-110.5	1.9	67.2	0.2	
			Viento +Y exc.-	2.6	1.0	69.5	0.6	43.2	0.0	2.6	-0.8	-70.9	0.6	43.2	0.0	
P. segunda +10.70	50x50	5.25/10.25	Viento -Y exc.+	-6.2	-3.5	-107.7	-1.9	-67.2	-0.2	-6.2	2.6	110.5	-1.9	-67.2	-0.2	
			Viento -Y exc.-	-2.6	-1.0	-69.5	-0.6	-43.2	-0.0	-2.6	0.8	70.9	-0.6	-43.2	-0.0	
			Peso propio	2066.8	5.8	-17.1	3.5	-8.4	-0.0	2046.8	-5.6	10.3	3.5	-8.4	-0.0	
			Cargas muertas	787.9	1.6	-4.0	1.6	-2.3	-0.0	787.9	-3.6	3.5	1.6	-2.3	-0.0	
			H 1	-0.2	0.1	0.0	0.0	0.0	0.0	-0.2	-0.0	-0.0	0.0	0.0	0.0	
			Sobrecarga de uso	842.2	2.1	-3.2	1.3	-1.7	0.0	842.2	-2.0	2.2	1.3	-1.7	0.0	
			Viento +X exc.+	-5.6	29.1	-1.3	18.0	-1.8	-0.0	-5.6	-29.5	4.7	18.0	-1.8	-0.0	
			Viento +X exc.-	-5.1	29.2	1.1	18.1	-0.3	-0.0	-5.1	-29.5	2.2	18.1	-0.3	-0.0	
			Viento -X exc.+	5.6	-29.1	1.3	-18.0	1.8	0.0	5.6	29.5	-4.7	-18.0	1.8	0.0	
			Viento -X exc.-	5.1	-29.2	-1.1	-18.1	0.3	0.0	5.1	29.5	-2.2	-18.1	0.3	0.0	
P. segunda +10.70	50x50	5.25/10.25	Viento +Y exc.+	24.7	3.4	120.8	1.1	72.5	0.2	24.7	-0.2	-114.9	1.1	72.5	0.2	
			Viento +Y exc.-	14.5	0.7	77.1	0.2	46.3	0.0	14.5	-0.1	-73.5	0.2	46.3	0.0	
			Viento -Y exc.+	-24.7	-3.4	-120.8	-1.1	-72.5	-0.2	-24.7	0.2	114.9	-1.1	-72.5	-0.2	
			Viento -Y exc.-	-14.5	-0.7	-77.1	-0.2	-46.3	-0.0	-14.5	0.1	73.5	-0.2	-46.3	-0.0	
			Peso propio	2394.4	8.3	-8.6	3.0	-2.5	0.0	2363.7	-6.6	4.1	3.0	-2.5	0.0	
			Cargas muertas	920.5	6.3	-6.6	1.9	-1.9	0.0	920.5	-3.2	2.8	1.9	-1.9	0.0	
			H 1	-0.2	-0.1	-0.1	-0.0	-0.0	0.0	-0.2	0.0	0.1	-0.0	-0.0	0.0	
			Sobrecarga de uso	947.2	1.8	-2.6	0.7	-0.9	0.0	947.2	-1.7	2.0	0.7	-0.9	0.0	
			Viento +X exc.+	-9.2	31.6	-11.3	12.3	-4.8	-0.0	-9.2	-30.1	12.6	12.3	-4.8	-0.0	
			Viento +X exc.-	-8.4	31.3	-8.8	12.2	-3.8	-0.0	-8.4	-29.7	10.3	12.2	-3.8	-0.0	
P. segunda +10.70	50x50	5.25/10.25	Viento -X exc.+	9.2	-31.6	11.3	-12.3	4.8	0.0	9.2	30.1	-12.6	-12.3	4.8	0.0	
			Viento -X exc.-	8.4	-31.3	8.8	-12.2	3.8	0.0	8.4	29.7	-10.3	-12.2	3.8	0.0	
			Viento +Y exc.+	35.5	-6.1	106.9	-2.9	40.6	0.2	35.5	8.2	-96.2	-2.9	40.6	0.2	
			Viento +Y exc.-	21.4	-1.6	69.3	-0.8	26.4	0.1	21.4	2.2	-62.7	-0.8	26.4	0.1	





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.90	Viento -Y exc.+	-35.5	6.1	-106.9	2.9	-40.6	-0.2	-35.5	-8.2	96.2	2.9	-40.6	-0.2
				Viento -Y exc.-	-21.4	1.6	-69.3	0.8	-26.4	-0.1	-21.4	-2.2	62.7	0.8	-26.4	-0.1
				Peso propio	2814.2	21.0	-23.3	8.3	-9.3	0.0	2770.1	-20.5	23.4	8.3	-9.3	0.0
				Cargas muertas	1101.3	10.3	-20.2	5.1	-8.2	0.0	1101.3	-15.1	20.7	5.1	-8.2	0.0
				H 1	-0.2	0.3	0.1	0.0	0.0	0.0	-0.2	0.2	-0.1	0.0	0.0	0.0
				Sobrecarga de uso	1069.1	5.4	-6.1	1.9	-2.3	0.0	1069.1	-4.4	5.2	1.9	-2.3	0.0
				Viento +X exc.+	-13.4	50.8	-17.0	15.7	-5.2	-0.1	-13.4	-27.6	9.3	15.7	-5.2	-0.1
				Viento +X exc.-	-12.5	50.3	-13.2	15.5	-4.1	-0.0	-12.5	-27.3	7.2	15.5	-4.1	-0.0
				Viento -X exc.+	13.4	-50.8	17.0	-15.7	5.2	0.1	13.4	27.6	-9.3	-15.7	5.2	0.1
				Viento -X exc.-	12.5	-50.3	13.2	-15.5	4.1	0.0	12.5	27.3	-7.2	-15.5	4.1	0.0
				Viento +Y exc.+	39.4	-11.2	152.1	-3.4	46.5	0.2	39.4	5.6	-80.2	-3.4	46.5	0.2
				Viento +Y exc.-	23.6	-3.1	98.6	-0.9	30.2	0.1	23.6	1.3	-52.3	-0.9	30.2	0.1
				Viento -Y exc.+	-39.4	11.2	-152.1	3.4	-46.5	-0.2	-39.4	-5.6	80.2	3.4	-46.5	-0.2
				Viento -Y exc.-	-23.6	3.1	-98.6	0.9	-30.2	-0.1	-23.6	-1.3	52.3	0.9	-30.2	-0.1
	P. Baja +0.00	60x60	-3.60/-0.45	Peso propio	3176.5	11.1	-34.6	10.1	-31.9	0.0	3148.7	-20.8	65.9	10.1	-31.9	0.0
				Cargas muertas	1277.0	2.3	-19.2	2.1	-17.6	0.0	1277.0	-4.4	36.2	2.1	-17.6	0.0
				H 1	-0.3	0.6	0.3	0.6	0.2	0.0	-0.3	-1.3	-0.3	0.6	0.2	0.0
				Sobrecarga de uso	1176.9	3.5	-9.5	3.2	-8.8	0.0	1176.9	-6.7	18.1	3.2	-8.8	0.0
				Viento +X exc.+	-12.6	-15.2	5.1	-14.1	4.7	0.0	-12.6	29.2	-9.7	-14.1	4.7	0.0
				Viento +X exc.-	-11.7	-15.0	4.0	-13.9	3.6	0.0	-11.7	28.9	-7.5	-13.9	3.6	0.0
				Viento -X exc.+	12.6	15.2	-5.1	14.1	-4.7	0.0	12.6	-29.2	9.7	14.1	-4.7	0.0
				Viento -X exc.-	11.7	15.0	-4.0	13.9	-3.6	0.0	11.7	-28.9	7.5	13.9	-3.6	0.0
				Viento +Y exc.+	38.8	3.9	-41.5	3.5	-40.0	-0.0	38.8	-7.0	84.7	3.5	-40.0	-0.0
				Viento +Y exc.-	23.3	1.4	-25.3	1.2	-25.2	-0.0	23.3	-2.2	54.1	1.2	-25.2	-0.0
				Viento -Y exc.+	-38.8	-3.9	41.5	-3.5	40.0	0.0	-38.8	7.0	-84.7	-3.5	40.0	0.0
				Viento -Y exc.-	-23.3	-1.4	25.3	-1.2	25.2	0.0	-23.3	2.2	-54.1	-1.2	25.2	0.0
P46	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	232.8	35.4	4.8	19.3	2.4	0.0	220.0	-27.3	-2.9	19.3	2.4	0.0
				Cargas muertas	158.1	-5.8	1.7	-3.6	0.5	0.0	158.1	5.8	0.0	-3.6	0.5	0.0
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	185.4	19.1	3.1	12.3	1.8	0.0	185.4	-20.9	-2.7	12.3	1.8	0.0
				Viento +X exc.+	1.4	3.7	-0.7	2.1	-0.3	-0.0	1.4	-3.3	0.4	2.1	-0.3	-0.0
				Viento +X exc.-	1.4	3.7	-0.2	2.2	-0.1	0.0	1.4	-3.3	0.1	2.2	-0.1	0.0
				Viento -X exc.+	-1.4	-3.7	0.7	-2.1	0.3	0.0	-1.4	3.3	-0.4	-2.1	0.3	0.0
				Viento -X exc.-	-1.4	-3.7	0.2	-2.2	0.1	0.0	-1.4	3.3	-0.1	-2.2	0.1	0.0
				Viento +Y exc.+	-1.2	-0.2	23.5	-0.1	12.4	0.0	-1.2	0.3	-16.8	-0.1	12.4	0.0
				Viento +Y exc.-	-0.9	-0.3	15.8	-0.2	8.3	-0.0	-0.9	0.4	-11.2	-0.2	8.3	-0.0
				Viento -Y exc.+	1.2	0.2	-23.5	0.1	-12.4	-0.0	1.2	-0.3	16.8	0.1	-12.4	-0.0
				Viento -Y exc.-	0.9	0.3	-15.8	0.2	-8.3	0.0	0.9	-0.4	11.2	0.2	-8.3	0.0
	P. séptima +28.70	45x45	25.00/28.25	Peso propio	459.1	54.4	3.4	33.8	2.1	-0.0	443.0	-55.4	-3.5	33.8	2.1	-0.0
				Cargas muertas	305.4	-3.5	5.5	-2.4	3.7	0.0	305.4	4.5	-6.4	-2.4	3.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	256.7	18.5	1.2	10.6	0.6	-0.0	256.7	-16.1	-0.7	10.6	0.6	-0.0
				Viento +X exc.+	4.8	6.7	-0.7	5.1	-0.5	-0.0	4.8	-9.7	0.8	5.1	-0.5	-0.0
				Viento +X exc.-	4.9	6.7	0.3	5.1	0.2	0.0	4.9	-9.8	-0.4	5.1	0.2	0.0
				Viento -X exc.+	-4.8	-6.7	0.7	-5.1	0.5	0.0	-4.8	9.7	-0.8	-5.1	0.5	0.0
				Viento -X exc.-	-4.9	-6.7	-0.3	-5.1	-0.2	0.0	-4.9	9.8	0.4	-5.1	-0.2	0.0
				Viento +Y exc.+	0.2	0.3	48.4	0.3	33.7	0.0	0.2	-0.7	-61.0	0.3	33.7	0.0
				Viento +Y exc.-	-0.2	-0.3	31.4	-0.2	21.7	-0.0	-0.2	0.2	-39.1	-0.2	21.7	-0.0
				Viento -Y exc.+	-0.2	-0.3	-48.4	-0.3	-33.7	-0.0	-0.2	0.7	61.0	-0.3	-33.7	-0.0
				Viento -Y exc.-	0.2	0.3	-31.4	0.2	-21.7	0.0	0.2	-0.2	39.1	0.2	-21.7	0.0
	P. sexta +25.10	45x45	21.40/24.65	Peso propio	685.8	39.7	4.3	26.6	2.8	0.0	669.6	-46.9	-4.7	26.6	2.8	0.0
				Cargas muertas	452.2	-6.9	4.5	-3.4	2.9	0.0	452.2	4.3	-5.0	-3.4	2.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	327.9	14.7	1.8	10.2	1.2	0.0	327.9	-18.3	-2.0	10.2	1.2	0.0
				Viento +X exc.+	9.8	8.9	-1.0	6.6	-0.7	-0.0	9.8	-12.5	1.2	6.6	-0.7	-0.0
				Viento +X exc.-	9.9	9.0	0.3	6.6	0.2	0.0	9.9	-12.6	-0.5	6.6	0.2	0.0
				Viento -X exc.+	-9.8	-8.9	1.0	-6.6	0.7	0.0	-9.8	12.5	-1.2	-6.6	0.7	0.0
				Viento -X exc.-	-9.9	-9.0	-0.3	-6.6	-0.2	0.0	-9.9	12.6	0.5	-6.6	-0.2	0.0
				Viento +Y exc.+	2.9	0.8	61.1	0.6	42.2	0.1	2.9	-1.3	-75.9	0.6	42.2	0.1
				Viento +Y exc.-	1.3	0.1	38.9	0.1	26.6	-0.0	1.3	-0.3	-47.6	0.1	26.6	-0.0
				Viento -Y exc.+	-2.9	-0.8	-61.1	-0.6	-42.2	-0.1	-2.9	1.3	75.9	-0.6	-42.2	-0.1
				Viento -Y exc.-	-1.3	-0.1	-38.9	-0.1	-26.6	0.0	-1.3	0.3	47.6	-0.1	-26.6	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	918.7	54.8	4.8	32.5	3.2	0.0	898.7	-50.6	-5.6	32.5	3.2	0.0
				Cargas muertas	600.1	-4.2	6.8	-4.3	4.3	0.0	600.1	9.9	-7.1	-4.3	4.3	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	399.9	20.1	2.2	11.7	1.4	0.0	399.9	-17.8	-2.4	11.7	1.4	0.0
				Viento +X exc.+	16.4	12.9	-0.9	9.2	-0.7	-0.0	16.4	-16.9	1.4	9.2	-0.7	-0.0
				Viento +X exc.-	16.6	13.0	1.0	9.2	0.6	0.0	16.6	-17.0	-0.9	9.2	0.6	0.0
				Viento -X exc.+	-16.4	-12.9	0.9	-9.2	0.7	0.0	-16.4	16.9	-1.4	-9.2	0.7	0.0
				Viento -X exc.-	-16.6	-13.0	-1.0	-9.2	-0.6	-0.0	-16.6	17.0	0.9	-9.2	-0.6	-0.0
				Viento +Y exc.+	8.5	1.5	88.7	1.0	59.1	0.2	8.5	-1.8	-103.4	1.0	59.1	0.2
				Viento +Y exc.-	4.5	0.1	55.5	0.1	36.8	0.0	4.5	-0.3	-64.2	0.1	36.8	0.0
				Viento -Y exc.+	-8.5	-1.5	-88.7	-1.0	-59.1	-0.2	-8.5	1.8	103.4	-1.0	-59.1	-0.2
				Viento -Y exc.-	-4.5	-0.1	-55.5	-0.1	-36.8	-0.0	-4.5	0.3	64.2	-0.1	-36.8	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. cuarta +17.90	50x50	14.20/17.45	Peso propio		1149.5	30.5	10.6	23.3	5.5	0.0	1129.6	-45.3	-7.2	23.3	5.5	0.0
				Cargas muertas	746.6	-18.6	8.5	-8.2	4.4	0.0	746.6	7.9	-5.6	-8.2	4.4	0.0
				H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	471.1	10.6	3.2	8.4	1.9	0.0	471.1	-16.8	-2.9	8.4	1.9	0.0
				Viento +X exc.+	24.3	14.6	-0.9	10.0	-1.0	-0.0	24.3	-17.9	2.4	10.0	-1.0	-0.0
				Viento +X exc.-	24.6	14.7	1.3	10.1	0.4	0.0	24.6	-18.0	-0.0	10.1	0.4	0.0
				Viento -X exc.+	-24.3	-14.6	0.9	-10.0	1.0	0.0	-24.3	17.9	-2.4	-10.0	1.0	0.0
				Viento -X exc.-	-24.6	-14.7	-1.3	-10.1	-0.4	0.0	-24.6	18.0	0.0	-10.1	-0.4	0.0
				Viento +Y exc.+	12.7	3.0	102.9	1.5	65.5	0.2	12.7	-1.8	-109.9	1.5	65.5	0.2
				Viento +Y exc.-	6.8	1.0	63.7	0.5	40.4	0.0	6.8	-0.6	-67.6	0.5	40.4	0.0
				Viento -Y exc.+	-12.7	-3.0	-102.9	-1.5	-65.5	-0.2	-12.7	1.8	109.9	-1.5	-65.5	-0.2
				Viento -Y exc.-	-6.8	-1.0	-63.7	-0.5	-40.4	-0.0	-6.8	0.6	67.6	-0.5	-40.4	-0.0
P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio		1388.9	43.7	-7.4	21.9	-3.0	-0.0	1366.4	-27.5	2.6	21.9	-3.0	-0.0
				Cargas muertas	898.4	5.6	0.6	-4.0	0.3	-0.0	898.4	18.6	-0.4	-4.0	0.3	-0.0
				H 1	0.0	-0.3	0.1	-0.1	0.0	0.0	0.0	0.0	-0.0	-0.1	0.0	0.0
				Sobrecarga de uso	544.2	16.9	1.3	8.1	0.9	0.0	544.2	-9.6	-1.5	8.1	0.9	0.0
				Viento +X exc.+	33.5	17.9	-0.5	11.8	-1.8	-0.0	33.5	-20.3	5.5	11.8	-1.8	-0.0
				Viento +X exc.-	34.1	18.1	2.4	11.8	-0.1	-0.0	34.1	-20.3	2.6	11.8	-0.1	-0.0
				Viento -X exc.+	-33.5	-17.9	0.5	-11.8	1.8	0.0	-33.5	20.3	-5.5	-11.8	1.8	0.0
				Viento -X exc.-	-34.1	-18.1	-2.4	-11.8	0.1	0.0	-34.1	20.3	-2.6	-11.8	0.1	0.0
				Viento +Y exc.+	22.2	4.9	133.1	1.6	80.3	0.3	22.2	-0.5	-127.8	1.6	80.3	0.3
				Viento +Y exc.-	12.5	1.1	81.1	0.4	49.1	0.1	12.5	-0.4	-78.4	0.4	49.1	0.1
				Viento -Y exc.+	-22.2	-4.9	-133.1	-1.6	-80.3	-0.3	-22.2	0.5	127.8	-1.6	-80.3	-0.3
				Viento -Y exc.-	-12.5	-1.1	-81.1	-0.4	-49.1	-0.1	-12.5	0.4	78.4	-0.4	-49.1	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio		1648.0	35.0	1.3	14.8	1.8	0.0	1613.3	-38.8	-7.8	14.8	1.8	0.0
				Cargas muertas	1003.1	-11.5	-0.9	-1.1	0.3	0.0	1003.1	-6.3	-2.6	-1.1	0.3	0.0
				H 1	0.0	1.2	-0.1	0.3	-0.0	0.0	0.0	-0.4	0.1	0.3	-0.0	0.0
				Sobrecarga de uso	614.4	14.8	-0.1	6.1	0.2	0.0	614.4	-15.9	-1.3	6.1	0.2	0.0
				Viento +X exc.+	43.1	23.7	-13.6	9.3	-5.9	-0.1	43.1	-22.9	15.7	9.3	-5.9	-0.1
				Viento +X exc.-	43.7	23.5	-10.7	9.2	-4.7	-0.0	43.7	-22.5	12.9	9.2	-4.7	-0.0
				Viento -X exc.+	-43.1	-23.7	13.6	-9.3	5.9	0.1	-43.1	22.9	-15.7	-9.3	5.9	0.1
				Viento -X exc.-	-43.7	-23.5	10.7	-9.2	4.7	0.0	-43.7	22.5	-12.9	-9.2	4.7	0.0
				Viento +Y exc.+	26.1	-5.2	121.8	-2.7	46.1	0.3	26.1	8.4	-108.8	-2.7	46.1	0.3
				Viento +Y exc.-	15.2	-1.4	76.5	-0.8	29.1	0.1	15.2	2.4	-68.9	-0.8	29.1	0.1
				Viento -Y exc.+	-26.1	5.2	-121.8	2.7	-46.1	-0.3	-26.1	-8.4	108.8	2.7	-46.1	-0.3
				Viento -Y exc.-	-15.2	1.4	-76.5	0.8	-29.1	-0.1	-15.2	-2.4	68.9	0.8	-29.1	-0.1
P. primera +5.35	60x60	-0.10/4.90	Peso propio		1899.3	45.7	22.0	18.8	6.0	0.0	1855.2	-48.2	-8.0	18.8	6.0	0.0
				Cargas muertas	1232.4	-5.4	6.1	-7.3	1.1	0.0	1232.4	31.0	0.4	-7.3	1.1	0.0
				H 1	-0.1	-6.7	-0.1	-1.6	-0.0	0.0	-0.1	1.5	-0.1	-1.6	-0.0	0.0
				Sobrecarga de uso	680.6	18.0	5.9	7.7	1.7	0.0	680.6	-20.2	-2.5	7.7	1.7	0.0
				Viento +X exc.+	52.5	51.3	-23.1	13.1	-6.7	-0.1	52.5	-14.0	10.6	13.1	-6.7	-0.1
				Viento +X exc.-	53.0	50.8	-17.9	12.9	-5.2	-0.0	53.0	-13.8	8.2	12.9	-5.2	-0.0
				Viento -X exc.+	-52.5	-51.3	23.1	-13.1	6.7	0.1	-52.5	14.0	-10.6	-13.1	6.7	0.1
				Viento -X exc.-	-53.0	-50.8	17.9	-12.9	5.2	0.0	-53.0	13.8	-8.2	-12.9	5.2	0.0
				Viento +Y exc.+	24.5	-11.3	196.3	-2.8	56.5	0.2	24.5	2.9	-86.0	-2.8	56.5	0.2
				Viento +Y exc.-	14.9	-3.2	123.0	-0.8	35.4	0.1	14.9	0.6	-54.0	-0.8	35.4	0.1
				Viento -Y exc.+	-24.5	11.3	-196.3	2.8	-56.5	-0.2	-24.5	-2.9	86.0	2.8	-56.5	-0.2
				Viento -Y exc.-	-14.9	3.2	-123.0	0.8	-35.4	-0.1	-14.9	-0.6	54.0	0.8	-35.4	-0.1
P. Baja +0.00	60x60	-3.60/-0.57	Peso propio		492.9	34.2	1.4	63.8	5.7	-0.0	1414.0	-33.2	4.4	100.4	-7.7	-0.0
				Cargas muertas	329.5	19.2	-0.1	36.9	-0.7	0.0	919.0	-21.1	1.4	76.2	-4.1	-0.1
				H 1	71.9	-26.6	-0.5	-51.3	-0.6	0.2	-27.4	-0.2	-0.9	24.8	5.1	-0.6
				Sobrecarga de uso	161.5	12.8	0.4	23.6	1.6	-0.0	505.4	-12.4	1.2	35.2	-2.3	0.0
				Viento +X exc.+	29.5	-4.8	-0.1	-7.0	-0.9	-0.0	-16.0	16.5	-4.0	-17.0	11.9	0.2
				Viento +X exc.-	29.4	-4.7	-0.1	-6.9	-0.8	-0.0	-15.2	16.3	-3.1	-16.7	9.5	0.1
				Viento -X exc.+	-29.5	4.8	0.1	7.0	0.9	0.0	16.0	-16.5	4.0	17.0	-11.9	-0.2
				Viento -X exc.-	-29.4	4.7	0.1	6.9	0.8	0.0	15.2	-16.3	3.1	16.7	-9.5	-0.1
				Viento +Y exc.+	-3.5	1.8	7.1	2.7	36.0	0.2	21.7	-5.0	34.4	6.9	-62.3	-2.2
				Viento +Y exc.-	-2.5	0.8	7.0	1.1	34.5	0.1	8.7	-1.8	22.5	3.0	-27.4	-1.4
				Viento -Y exc.+	3.5	-1.8	-7.1	-2.7	-36.0	-0.2	-21.7	5.0	-34.4	-6.9	62.3	2.2
				Viento -Y exc.-	2.5	-0.8	-7.0	-1.1	-34.5	-0.1	-8.7	1.8	-22.5	-3.0	-27.4	1.4
P47	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-0.7	0.0	3.5	0.0	2.7	0.0	-0.7	0.0
					12.1	-0.0	10.3	-0.0	-5.4	0.0	12.1	-0.0	11.1	-0.0	-5.4	0.0
					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
					24.2	-0.0	20.7	-0.1	-11.2	0.0	24.2	-0.0	22.5	-0.1	-11.2	0.0
					0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
					0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.0	0.0	0.2	-0.0	-0.0
					-0.0	-0.1	-0.0	-0.2	0.0	-0.0	-0.0	-0.0	-0.0	-0.2	0.0	-0.0
					-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.0	-0.0	-0.2	0.0	0.0
					-0.3	0.0	-0.9	0.0	0.5	-0.0	-0.3	0.0	-0.9	0.0	0.5	-0.0
					-0.3	-0.0	-1.0	-0.0	0.7	0.0	-0.3	0.0	-1.1	-0.0	0.7	0.0
					0.3	-0.0	0.9	-0.0	-0.5	0.0	0.3	0.0	0.9	-0.0	-0.5	0.0
					0.3	0.0	1.0	0.0	-0.7	-0.0	0.3	0.0	1.1	0.0	-0.7	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.3	0.0	0.8	0.0	-0.7	0.0	3.5	0.0	2.6	0.0	-0.7	0.0
				Cargas muertas	12.1	-0.1	-4.7	-0.0	-5.4	0.0	12.1	-0.0	10.3	-0.0	-5.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.2	-10.2	-0.1	-11.2	0.0	24.2	-0.0	20.7	-0.1	-11.2	0.0
				Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
				Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento -X exc.+	-0.0	-1.5	-0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	0.0	-0.9	0.0	1.6	0.0
				Viento +Y exc.-	-0.3	-0.0	4.0	-0.0	1.8	0.0	-0.3	-0.0	-1.0	-0.0	1.8	0.0
				Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	-0.0	0.9	-0.0	-1.6	0.0
				Viento -Y exc.-	0.3	0.0	-4.0	0.0	-1.8	0.0	0.3	0.0	1.0	0.0	-1.8	0.0
P. cubierta +32.30	Diámetro 60	28.60/31.85	Peso propio	373.3	0.6	59.1	2.1	55.3	0.0	350.7	-6.2	-120.8	2.1	55.3	0.0	0.0
			Cargas muertas	170.0	1.7	38.0	-0.3	35.8	0.0	170.0	2.6	-78.5	-0.3	35.8	0.0	0.0
			H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	276.4	-0.2	39.2	-1.3	37.0	0.0	276.4	3.9	-81.1	-1.3	37.0	0.0	0.0
			Viento +X exc.+	0.8	9.3	2.2	7.6	1.8	-0.0	0.8	-15.3	-3.6	7.6	1.8	-0.0	0.0
			Viento +X exc.-	1.6	9.3	1.5	7.6	1.2	-0.0	1.6	-15.3	-2.5	7.6	1.2	-0.0	0.0
			Viento -X exc.+	-0.8	-9.3	-2.2	-7.6	-1.8	0.0	-0.8	15.3	3.6	-7.6	-1.8	0.0	0.0
			Viento -X exc.-	-1.6	-9.3	-1.5	-7.6	-1.2	0.0	-1.6	15.3	2.5	-7.6	-1.2	0.0	0.0
			Viento +Y exc.+	-62.8	4.6	61.0	2.3	43.9	0.0	-62.8	-2.9	-81.7	2.3	43.9	0.0	0.0
			Viento +Y exc.-	-76.9	4.8	74.1	2.2	53.4	-0.1	-76.9	-2.2	-99.4	2.2	53.4	-0.1	0.0
P. séptima +28.70	Diámetro 60	25.00/28.25	Viento -Y exc.+	62.8	-4.6	-61.0	-2.3	-43.9	-0.0	62.8	2.9	81.7	-2.3	-43.9	-0.0	0.0
			Viento -Y exc.-	76.9	-4.8	-74.1	-2.2	-53.4	0.1	76.9	2.2	99.4	-2.2	-53.4	0.1	0.0
			Peso propio	557.8	-3.8	7.3	-2.6	0.5	-0.0	535.2	4.6	5.7	-2.6	0.5	-0.0	0.0
			Cargas muertas	240.2	4.5	5.5	3.2	0.9	0.0	240.2	-6.1	2.6	3.2	0.9	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	320.0	1.7	3.3	1.3	-0.8	-0.0	320.0	-2.6	5.8	1.3	-0.8	-0.0	0.0
			Viento +X exc.+	-0.7	7.0	1.1	5.9	0.6	-0.0	-0.7	-12.1	-0.9	5.9	0.6	-0.0	0.0
			Viento +X exc.-	1.1	7.0	0.5	5.9	0.2	0.0	1.1	-12.1	-0.3	5.9	0.2	0.0	0.0
			Viento -X exc.+	0.7	-7.0	-1.1	-5.9	-0.6	0.0	0.7	12.1	0.9	-5.9	-0.6	0.0	0.0
			Viento -X exc.-	-1.1	-7.0	-0.5	-5.9	-0.2	0.0	-1.1	12.1	0.3	-5.9	-0.2	0.0	0.0
P. sexta +25.10	Diámetro 60	21.40/24.65	Viento +Y exc.+	-137.3	6.1	47.4	4.2	28.4	0.1	-137.3	-7.4	-44.9	4.2	28.4	0.1	0.0
			Viento +Y exc.-	-168.0	6.5	58.1	4.3	35.0	-0.0	-168.0	-7.5	-55.7	4.3	35.0	-0.0	0.0
			Viento -Y exc.+	137.3	-6.1	-47.4	-4.2	-28.4	-0.1	137.3	7.4	44.9	-4.2	-28.4	-0.1	0.0
			Viento -Y exc.-	168.0	-6.5	-58.1	-4.3	-35.0	0.0	168.0	7.5	55.7	-4.3	-35.0	0.0	0.0
			Peso propio	752.6	-2.3	17.1	-1.4	11.3	-0.0	730.1	2.2	-19.5	-1.4	11.3	-0.0	0.0
			Cargas muertas	315.7	4.1	12.4	2.3	8.0	0.0	315.7	-3.5	-13.6	2.3	8.0	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	371.8	1.2	9.4	0.7	6.3	0.0	371.8	-1.0	-11.2	0.7	6.3	0.0	0.0
			Viento +X exc.+	-2.1	14.1	1.5	10.4	1.0	-0.0	-2.1	-19.5	-1.7	10.4	1.0	-0.0	0.0
			Viento +X exc.-	0.8	14.1	0.7	10.4	0.4	0.0	0.8	-19.6	-0.8	10.4	0.4	0.0	0.0
P. quinta +21.50	Diámetro 60	17.80/21.05	Viento -X exc.+	2.1	-14.1	-1.5	-10.4	-1.0	0.0	2.1	19.5	1.7	-10.4	-1.0	0.0	0.0
			Viento -X exc.-	-0.8	-14.1	-0.7	-10.4	-0.4	-0.0	-0.8	19.6	0.8	-10.4	-0.4	-0.0	0.0
			Viento +Y exc.+	-215.0	6.5	56.1	4.2	35.1	0.2	-215.0	-7.2	-58.1	4.2	35.1	0.2	0.0
			Viento +Y exc.-	-264.7	6.5	70.0	4.1	44.0	-0.0	-264.7	-6.7	-73.0	4.1	44.0	-0.0	0.0
			Viento -Y exc.+	215.0	-6.5	-56.1	-4.2	-35.1	-0.2	215.0	7.2	58.1	-4.2	-35.1	-0.2	0.0
			Viento -Y exc.-	264.7	-6.5	-70.0	-4.1	-44.0	0.0	264.7	6.7	73.0	-4.1	-44.0	0.0	0.0
			Peso propio	949.7	-5.5	6.4	-2.8	5.1	0.0	927.1	3.7	-10.1	-2.8	5.1	0.0	0.0
			Cargas muertas	392.2	1.8	3.4	1.6	3.3	0.0	392.2	-3.4	-7.3	1.6	3.3	0.0	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	424.8	0.3	4.4	0.4	3.0	0.0	424.8	-1.0	-5.4	0.4	3.0	0.0	0.0
P. cuarta +17.90	Diámetro 60	14.20/17.45	Viento +X exc.+	-3.6	14.3	1.4	10.4	0.9	-0.0	-3.6	-19.6	-1.6	10.4	0.9	-0.0	0.0
			Viento +X exc.-	0.6	14.3	0.6	10.4	0.4	0.0	0.6	-19.6	-0.7	10.4	0.4	0.0	0.0
			Viento -X exc.+	3.6	-14.3	-1.4	-10.4	-0.9	0.0	3.6	19.6	1.6	-10.4	-0.9	0.0	0.0
			Viento -X exc.-	-0.6	-14.3	-0.6	-10.4	-0.4	-0.0	-0.6	19.6	0.7	-10.4	-0.4	-0.0	0.0
			Viento +Y exc.+	-299.4	7.4	56.7	4.6	35.5	0.2	-299.4	-7.5	-58.7	4.6	35.5	0.2	0.0
			Viento +Y exc.-	-370.9	6.9	71.3	4.2	44.8	0.0	-370.9	-7.0	-74.3	4.2	44.8	0.0	0.0
			Viento -Y exc.+	299.4	-7.4	-56.7	-4.6	-35.5	-0.2	299.4	7.5	58.7	-4.6	-35.5	-0.2	0.0
			Viento -Y exc.-	370.9	-6.9	-71.3	-4.2	-44.8	-0.0	370.9	7.0	74.3	-4.2	-44.8	-0.0	0.0
			Peso propio	1149.6	9.5	32.3	2.8	15.0	0.0	1127.0	0.3	-16.5	2.8	15.0	0.0	0.0
			Cargas muertas	469.8	15.1	33.2	6.7	14.7	0.0	469.8	-6.6	-14.5	6.7	14.7	0.0	0.0
P. tercera +14.30	Diámetro 60	10.60/13.85	H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	0.0	0.0	0.0	-0.0	0.0	0.0
			Sobrecarga de uso	480.2	6.2	12.5	2.6	6.1	0.0	480.2	-2.2	-7.3	2.6	6.1	0.0	0.0
			Viento +X exc.+	-5.6	26.3	2.2	15.7	1.3	-0.0	-5.6	-24.8	-2.2	15.7	1.3	-0.0	0.0
			Viento +X exc.-	0.0	26.3	1.0	15.7	0.7	0.0	0.0	-24.8	-1.1	15.7	0.7	0.0	0.0
			Viento -X exc.+	5.6	-26.3	-2.2	-15.7	-1.3	0.0	5.6	24.8	2.2	-15.7	-1.3	0.0	0.0
			Viento -X exc.-	-0.0	-26.3	-1.0	-15.7	-0.7	0.0	-0.0	24.8	1.1	-15.7	-0.7	0.0	0.0
			Viento +Y exc.+	-389.8	6.9	73.8	4.2	42.6	0.3	-389.8	-6.8	-64.7	4.2	42.6	0.3	0.0
			Viento +Y exc.-	-485.5	6.2	93.7	3.9	54.2	0.0	-485.5	-6.7	-82.5	3.9	54.2	0.0	0.0
			Viento -Y exc.+	389.8	-6.9	-73.8	-4.2	-42.6	-0.3	389.8	6.8	64.7	-4.2	-42.6	-0.3	0.0
			Viento -Y exc.-	485.5	-6.2	-93.7	-3.9	-54.2	-0.0	485.5	6.7	82.5	-3.9	-54.2	-0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-3.5	12.0	1.9	11.5	1.5	-0.0	-3.5	-25.4	-2.9	11.5	1.5	-0.0
				Viento +X exc.-	3.4	12.4	0.7	11.6	0.7	-0.0	3.4	-25.4	-1.6	11.6	0.7	-0.0
				Viento -X exc.+	3.5	-12.0	-1.9	-11.5	-1.5	0.0	3.5	25.4	2.9	-11.5	-1.5	0.0
				Viento -X exc.-	-3.4	-12.4	-0.7	-11.6	-0.7	0.0	-3.4	25.4	1.6	-11.6	-0.7	0.0
				Viento +Y exc.+	-465.2	10.7	76.7	4.6	47.2	0.3	-465.2	-4.1	-76.7	4.6	47.2	0.3
				Viento +Y exc.-	-582.3	4.4	97.2	2.5	59.9	0.1	-582.3	-3.8	-97.5	2.5	59.9	0.1
				Viento -Y exc.+	465.2	-10.7	-76.7	-4.6	-47.2	-0.3	465.2	4.1	76.7	-4.6	-47.2	-0.3
				Viento -Y exc.-	582.3	-4.4	-97.2	-2.5	-59.9	-0.1	582.3	3.8	97.5	-2.5	-59.9	-0.1
	P. segunda +10.70	70x70	5.25/10.25	Peso propio	1664.3	55.1	-1.2	20.2	-2.1	0.0	1604.2	-46.1	9.5	20.2	-2.1	0.0
				Cargas muertas	703.2	24.8	-3.2	7.7	-3.7	0.0	703.2	-13.7	15.3	7.7	-3.7	0.0
				H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	625.4	21.5	0.8	7.5	-0.5	0.0	625.4	-16.3	3.1	7.5	-0.5	0.0
				Viento +X exc.+	1.2	43.9	6.5	16.0	2.7	-0.1	1.2	-36.2	-7.2	16.0	2.7	-0.1
				Viento +X exc.-	9.7	43.6	4.6	15.8	2.0	-0.1	9.7	-35.5	-5.4	15.8	2.0	-0.1
				Viento -X exc.+	-1.2	-43.9	-6.5	-16.0	-2.7	0.1	-1.2	36.2	7.2	-16.0	-2.7	0.1
				Viento -X exc.-	-9.7	-43.6	-4.6	-15.8	-2.0	0.1	-9.7	35.5	5.4	-15.8	-2.0	0.1
				Viento +Y exc.+	-561.3	-8.8	107.5	-4.5	41.7	0.8	-561.3	13.9	-101.0	-4.5	41.7	0.8
				Viento +Y exc.-	-704.4	-3.5	137.5	-1.4	53.3	0.2	-704.4	3.7	-129.1	-1.4	53.3	0.2
				Viento -Y exc.+	561.3	8.8	-107.5	4.5	-41.7	-0.8	561.3	-13.9	101.0	4.5	-41.7	-0.8
				Viento -Y exc.-	704.4	3.5	-137.5	1.4	-53.3	-0.2	704.4	-3.7	129.1	1.4	-53.3	-0.2
	P. primera +5.35	70x70	-0.10/4.90	Peso propio	1978.2	9.6	12.3	9.4	4.8	0.1	1918.1	-37.6	-11.4	9.4	4.8	0.1
				Cargas muertas	803.1	6.2	4.5	5.5	2.5	0.0	803.1	-21.4	-8.0	5.5	2.5	0.0
				H 1	0.1	-0.2	-0.0	-0.1	-0.0	0.0	0.1	0.2	-0.0	-0.1	-0.0	0.0
				Sobrecarga de uso	700.3	5.4	5.7	4.4	2.3	0.0	700.3	-16.6	-6.0	4.4	2.3	0.0
				Viento +X exc.+	7.0	69.8	6.9	14.2	2.0	-0.1	7.0	-1.4	-3.0	14.2	2.0	-0.1
				Viento +X exc.-	16.4	69.0	5.2	14.1	1.5	-0.1	16.4	-1.3	-2.4	14.1	1.5	-0.1
				Viento -X exc.+	-7.0	-69.8	-6.9	-14.2	-2.0	0.1	-7.0	1.4	3.0	-14.2	-2.0	0.1
				Viento -X exc.-	-16.4	-69.0	-5.2	-14.1	-1.5	0.1	-16.4	1.3	2.4	-14.1	-1.5	0.1
				Viento +Y exc.+	-619.4	-16.6	91.4	-3.8	24.2	0.4	-619.4	2.6	-29.6	-3.8	24.2	0.4
				Viento +Y exc.-	-776.4	-5.0	116.2	-1.4	30.7	0.1	-776.4	2.0	-37.1	-1.4	30.7	0.1
				Viento -Y exc.+	619.4	16.6	-91.4	3.8	-24.2	-0.4	619.4	-2.6	29.6	3.8	-24.2	-0.4
				Viento -Y exc.-	776.4	5.0	-116.2	1.4	-30.7	-0.1	776.4	-2.0	37.1	1.4	-30.7	-0.1
	P. Baja +0.00	70x70	-3.60/-0.45	Peso propio	2274.9	-15.7	-4.2	-14.4	-4.9	0.0	2237.1	29.6	11.4	-14.4	-4.9	0.0
				Cargas muertas	910.3	-7.3	-2.7	-6.7	-2.8	0.0	910.3	13.6	6.2	-6.7	-2.8	0.0
				H 1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	-0.2	-0.0	0.1	0.0	0.0
				Sobrecarga de uso	782.1	-4.8	-0.1	-4.4	-0.4	0.0	782.1	9.0	1.1	-4.4	-0.4	0.0
				Viento +X exc.+	5.3	-23.9	-1.6	-22.6	-1.6	0.0	5.3	47.2	3.5	-22.6	-1.6	0.0
				Viento +X exc.-	15.0	-23.6	-1.2	-22.3	-1.2	0.0	15.0	46.7	2.6	-22.3	-1.2	0.0
				Viento -X exc.+	-5.3	23.9	1.6	22.6	1.6	0.0	-5.3	-47.2	-3.5	22.6	1.6	0.0
				Viento -X exc.-	-15.0	23.6	1.2	22.3	1.2	0.0	-15.0	-46.7	-2.6	22.3	1.2	0.0
				Viento +Y exc.+	-632.8	6.9	-15.2	6.2	-19.2	-0.0	-632.8	-12.7	45.4	6.2	-19.2	-0.0
				Viento +Y exc.-	-793.3	3.0	-21.1	2.5	-25.3	-0.0	-793.3	-5.0	58.5	2.5	-25.3	-0.0
				Viento -Y exc.+	632.8	-6.9	15.2	-6.2	19.2	0.0	632.8	12.7	-45.4	-6.2	19.2	0.0
				Viento -Y exc.-	793.3	-3.0	21.1	-2.5	25.3	0.0	793.3	5.0	-58.5	-2.5	25.3	0.0
P48	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-0.6	0.0	3.5	0.0	2.7	0.0	-0.6	0.0
				Cargas muertas	12.1	-0.0	10.3	-0.0	-5.4	0.0	12.1	-0.0	11.1	-0.0	-5.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.2	0.0	24.2	-0.0	22.5	-0.0	-11.2	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.0	0.0	0.2	-0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.0	0.0	0.2	-0.0	-0.0
				Viento -X exc.+	-0.0	-0.1	-0.0	-0.2	0.0	-0.0	-0.0	-0.0	-0.0	-0.2	0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.0	-0.0	-0.2	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	-0.9	0.0	0.5	-0.0	-0.3	0.0	-1.0	0.0	0.5	-0.0
				Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.7	0.0	-0.3	0.0	-1.1	-0.0	0.7	0.0
				Viento -Y exc.+	0.3	-0.0	0.9	-0.0	-0.5	0.0	0.3	0.0	1.0	-0.0	-0.5	0.0
				Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.7	-0.0	0.3	0.0	1.1	0.0	-0.7	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.3	-0.0	0.8	0.0	-0.6	0.0	3.5	0.0	2.6	0.0	-0.6	0.0
				Cargas muertas	12.1	-0.1	-4.6	-0.0	-5.4	0.0	12.1	-0.0	10.3	-0.0	-5.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	24.2	-0.1	-10.2	-0.0	-11.2	0.0	24.2	-0.0	20.7	-0.0	-11.2	0.0
				Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	0.1	0.0	0.5	-0.0	0.0
				Viento -X exc.+	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	-0.0	-0.5	0.0	0.0
				Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	0.0	-0.9	0.0	1.6	0.0
				Viento +Y exc.-	-0.3	-0.0	3.9	-0.0	1.7	0.0	-0.3	-0.0	-1.0	-0.0	1.7	0.0
				Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	-0.0	0.9	-0.0	-1.6	0.0
				Viento -Y exc.-	0.3	0.0	-3.9	0.0	-1.7	0.0	0.3	0.0	1.0	0.0	-1.7	0.0
	P. cubierta +32.30	Diámetro 60	28.60/31.85	Peso propio	412.0	6.0	61.0	3.9	57.5	0.0	389.4	-6.8	-125.8	3.9	57.5	0.0
				Cargas muertas	189.4	1.3	39.1	3.0	37.2	0.0	189.4	-8.4	-81.6	3.0	37.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	286.3	2.9	39.5	3.4	37.5	0.0	286.3	-8.2	-82.3	3.4	37.5	0.0
				Viento +X exc.+	-2.0	9.5	-0.4	7.8	-0.4	-0.0	-2.0	-15.9	1.0	7.8	-0.4	-0.0
				Viento +X exc.-	-1.5	9.6	-1.0	7.9	-0.9	-0.0	-1.5	-16.1	1.8	7.9	-0.9	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento -X exc.+	2.0	-9.5	0.4	-7.8	0.4	0.0	2.0	15.9	-1.0	-7.8	0.4	0.0
				Viento -X exc.-	1.5	-9.6	1.0	-7.9	0.9	0.0	1.5	16.1	-1.8	-7.9	0.9	0.0
				Viento +Y exc.+	-66.9	-4.2	59.3	-1.4	43.6	0.0	-66.9	0.4	-82.2	-1.4	43.6	0.0
				Viento +Y exc.-	-75.2	-6.5	69.3	-3.2	50.7	-0.1	-75.2	3.9	-95.7	-3.2	50.7	-0.1
				Viento -Y exc.+	66.9	4.2	-59.3	1.4	-43.6	-0.0	66.9	-0.4	82.2	1.4	-43.6	-0.0
				Viento -Y exc.-	75.2	6.5	-69.3	3.2	-50.7	0.1	75.2	-3.9	95.7	3.2	-50.7	0.1
	P. séptima +28.70	Diámetro 60	25.00/28.25	Peso propio	597.2	6.0	5.9	3.7	-0.6	-0.0	574.6	-6.0	7.8	3.7	-0.6	-0.0
				Cargas muertas	259.9	-3.2	4.9	-2.5	0.4	0.0	259.9	5.0	3.5	-2.5	0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	331.5	-1.2	2.6	-1.2	-1.3	-0.0	331.5	2.8	6.7	-1.2	-1.3	-0.0
				Viento +X exc.+	-2.8	6.9	0.2	5.8	0.2	-0.0	-2.8	-11.9	-0.4	5.8	0.2	-0.0
				Viento +X exc.-	-1.6	7.1	-0.2	5.9	-0.1	0.0	-1.6	-12.0	-0.0	5.9	-0.1	0.0
				Viento -X exc.+	2.8	-6.9	-0.2	-5.8	-0.2	0.0	2.8	11.9	0.4	-5.8	-0.2	0.0
				Viento -X exc.-	1.6	-7.1	0.2	-5.9	0.1	0.0	1.6	12.0	0.0	-5.9	0.1	0.0
				Viento +Y exc.+	-133.4	-6.8	45.1	-4.2	27.4	0.1	-133.4	6.8	-44.1	-4.2	27.4	0.1
				Viento +Y exc.-	-152.6	-8.7	52.5	-5.5	31.9	-0.0	-152.6	9.0	-51.0	-5.5	31.9	-0.0
	P. sexta +25.10	Diámetro 60	21.40/24.65	Viento -Y exc.+	133.4	6.8	-45.1	4.2	-27.4	-0.1	133.4	-6.8	44.1	4.2	-27.4	-0.1
				Viento -Y exc.-	152.6	8.7	-52.5	5.5	-31.9	0.0	152.6	-9.0	51.0	5.5	-31.9	0.0
				Peso propio	792.4	6.3	17.7	4.0	11.5	-0.0	769.9	-6.5	-19.7	4.0	11.5	-0.0
				Cargas muertas	335.3	-1.6	13.1	-0.8	8.3	0.0	335.3	1.1	-14.0	-0.8	8.3	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	383.9	0.2	9.5	0.2	6.4	0.0	383.9	-0.5	-11.2	0.2	6.4	0.0
				Viento +X exc.+	-4.0	14.2	0.3	10.4	0.2	-0.0	-4.0	-19.6	-0.3	10.4	0.2	-0.0
				Viento +X exc.-	-2.2	14.4	-0.2	10.5	-0.1	0.0	-2.2	-19.8	0.2	10.5	-0.1	0.0
				Viento -X exc.+	4.0	-14.2	-0.3	-10.4	-0.2	0.0	4.0	19.6	0.3	-10.4	-0.2	0.0
				Viento -X exc.-	2.2	-14.4	0.2	-10.5	0.1	-0.0	2.2	19.8	-0.2	-10.5	0.1	-0.0
	P. quinta +21.50	Diámetro 60	17.80/21.05	Viento +Y exc.+	-205.3	-5.4	57.3	-3.0	36.4	0.2	-205.3	4.4	-61.0	-3.0	36.4	0.2
				Viento +Y exc.-	-235.6	-7.8	65.9	-4.6	41.8	-0.0	-235.6	7.2	-69.9	-4.6	41.8	-0.0
				Viento -Y exc.+	205.3	5.4	-57.3	3.0	-36.4	-0.2	205.3	-4.4	61.0	3.0	-36.4	-0.2
				Viento -Y exc.-	235.6	7.8	-65.9	4.6	-41.8	0.0	235.6	-7.2	69.9	4.6	-41.8	0.0
				Peso propio	990.2	7.3	1.4	4.4	3.0	0.0	967.7	-6.9	-8.3	4.4	3.0	0.0
				Cargas muertas	411.9	-1.7	0.6	-1.1	2.2	0.0	411.9	2.0	-6.6	-1.1	2.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	437.7	-0.1	2.5	-0.1	2.2	0.0	437.7	0.1	-4.7	-0.1	2.2	0.0
				Viento +X exc.+	-5.6	14.5	0.5	10.5	0.4	-0.0	-5.6	-19.7	-0.6	10.5	0.4	-0.0
				Viento +X exc.-	-3.1	14.7	0.0	10.6	0.0	0.0	-3.1	-19.9	-0.1	10.6	0.0	0.0
	P. cuarta +17.90	Diámetro 60	14.20/17.45	Viento -X exc.+	5.6	-14.5	-0.5	-10.5	-0.4	0.0	5.6	19.7	0.6	-10.5	-0.4	0.0
				Viento -X exc.-	3.1	-14.7	-0.0	-10.6	-0.0	-0.0	3.1	19.9	0.1	-10.6	-0.0	-0.0
				Viento +Y exc.+	-285.7	-4.7	58.5	-2.9	37.0	0.2	-285.7	4.6	-61.9	-2.9	37.0	0.2
				Viento +Y exc.-	-327.8	-7.6	67.1	-4.7	42.4	0.0	-327.8	7.6	-70.8	-4.7	42.4	0.0
				Viento -Y exc.+	285.7	4.7	-58.5	2.9	-37.0	-0.2	285.7	-4.6	61.9	2.9	-37.0	-0.2
				Viento -Y exc.-	327.8	7.6	-67.1	4.7	-42.4	-0.0	327.8	-7.6	70.8	4.7	-42.4	-0.0
				Peso propio	1189.1	6.5	52.1	4.0	22.5	0.0	1166.6	-6.5	-21.2	4.0	22.5	0.0
				Cargas muertas	488.4	-1.9	46.2	-1.3	19.7	0.0	488.4	2.2	-17.8	-1.3	19.7	0.0
				H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	493.0	1.3	20.0	0.5	9.0	0.0	493.0	-0.3	-9.1	0.5	9.0	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento +X exc.+	-7.5	25.8	0.7	15.6	0.5	-0.0	-7.5	-24.8	-0.9	15.6	0.5	-0.0
				Viento +X exc.-	-4.2	26.0	0.0	15.7	0.1	0.0	-4.2	-24.9	-0.3	15.7	0.1	0.0
				Viento -X exc.+	7.5	-25.8	-0.7	-15.6	-0.5	0.0	7.5	24.8	0.9	-15.6	-0.5	0.0
				Viento -X exc.-	4.2	-26.0	-0.0	-15.7	-0.1	0.0	4.2	24.9	0.3	-15.7	-0.1	0.0
				Viento +Y exc.+	-373.3	-5.3	78.4	-3.3	45.5	0.3	-373.3	5.3	-69.6	-3.3	45.5	0.3
				Viento +Y exc.-	-427.7	-8.3	89.4	-4.9	51.9	0.0	-427.7	7.7	-79.2	-4.9	51.9	0.0
				Viento -Y exc.+	373.3	5.3	-78.4	3.3	-45.5	-0.3	373.3	-5.3	69.6	3.3	-45.5	-0.3
				Viento -Y exc.-	427.7	8.3	-89.4	4.9	-51.9	-0.0	427.7	-7.7	79.2	4.9	-51.9	-0.0
				Peso propio	1508.1	-2.9	15.6	-0.6	21.1	-0.0	1485.6	-0.8	-52.9	-0.6	21.1	-0.0
				Cargas muertas	677.3	-3.5	21.3	-2.1	22.3	-0.0	677.3	3.4	-51.2	-2.1	22.3	-0.0
	P. segunda +10.70	70x70	5.25/10.25	H 1	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	594.5	-2.6	9.2	-0.9	9.4	0.0	594.5	0.3	-21.3	-0.9	9.4	0.0
				Viento +X exc.+	-13.0	12.5	1.0	11.6	0.6	-0.0	-13.0	-25.2	-1.0	11.6	0.6	-0.0
				Viento +X exc.-	-9.2	13.0	0.3	11.8	0.2	-0.0	-9.2	-25.3	-0.3	11.8	0.2	-0.0
				Viento -X exc.+	13.0	-12.5	-1.0	-11.6	-0.6	0.0	13.0	25.2	1.0	-11.6	-0.6	0.0
				Viento -X exc.-	9.2	-13.0	-0.3	-11.8	-0.2	0.0	9.2	25.3	0.3	-11.8	-0.2	0.0
				Viento +Y exc.+	-442.5	5.5	86.5	0.2	52.6	0.3	-442.5	4.9	-84.4	0.2	52.6	0.3
				Viento +Y exc.-	-506.0	-1.7	99.2	-2.6	60.1	0.1	-506.0	6.7	-96.2	-2.6	60.1	0.1
				Viento -Y exc.+	442.5	-5.5	-86.5	-0.2	-52.6	-0.3	442.5	-4.9	84.4	-0.2	-52.6	-0.3
				Viento -Y exc.-	506.0	1.7	-99.2	2.6	-60.1	-0.1	506.0	-6.7	96.2	2.6	-60.1	-0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	-557.6	-5.2	131.7	-3.6	52.2	0.8	-557.6	12.8	-129.2	-3.6	52.2	0.8
				Viento +Y exc.-	-636.5	0.7	148.0	-0.3	58.5	0.2	-636.5	2.4	-144.6	-0.3	58.5	0.2
				Viento -Y exc.+	557.6	5.2	-131.7	3.6	-52.2	-0.8	557.6	-12.8	129.2	3.6	-52.2	-0.8
				Viento -Y exc.-	636.5	-0.7	-148.0	0.3	-58.5	-0.2	636.5	-2.4	144.6	0.3	-58.5	-0.2
	P. primera +5.35	70x70	-0.10/4.90	Peso propio	2043.3	-11.5	23.3	-8.3	8.8	0.1	1983.2	29.9	-20.5	-8.3	8.8	0.1
				Cargas muertas	837.2	-12.3	8.7	-5.8	3.6	0.0	837.2	16.6	-9.4	-5.8	3.6	0.0
				H 1	0.1	-0.3	-0.0	-0.1	0.0	0.0	0.1	0.2	-0.0	-0.1	0.0	0.0
				Sobrecarga de uso	717.9	-5.4	8.6	-3.5	3.2	0.0	717.9	12.1	-7.6	-3.5	3.2	0.0
				Viento +X exc.+	-38.5	69.2	3.2	13.9	1.0	-0.1	-38.5	-0.1	-1.7	13.9	1.0	-0.1
				Viento +X exc.-	-32.9	68.4	2.3	13.7	0.7	-0.1	-32.9	0.1	-1.4	13.7	0.7	-0.1
				Viento -X exc.+	38.5	-69.2	-3.2	-13.9	-1.0	0.1	38.5	0.1	1.7	-13.9	-1.0	0.1
				Viento -X exc.-	32.9	-68.4	-2.3	-13.7	-0.7	0.1	32.9	-0.1	1.4	-13.7	-0.7	0.1
				Viento +Y exc.+	-644.1	-15.6	107.5	-2.9	28.1	0.4	-644.1	-1.2	-33.0	-2.9	28.1	0.4
				Viento +Y exc.-	-735.5	-4.0	121.1	-0.3	31.7	0.1	-735.5	-2.4	-37.2	-0.3	31.7	0.1
				Viento -Y exc.+	644.1	15.6	-107.5	2.9	-28.1	-0.4	644.1	1.2	33.0	2.9	-28.1	-0.4
				Viento -Y exc.-	735.5	4.0	-121.1	0.3	-31.7	-0.1	735.5	2.4	37.2	0.3	-31.7	-0.1
P49	P. Baja +0.00	70x70	-3.60/-0.45	Peso propio	2263.8	2.0	0.9	1.9	-0.3	0.0	2225.9	-4.1	1.7	1.9	-0.3	0.0
				Cargas muertas	921.8	-5.4	0.5	-4.9	0.1	0.0	921.8	10.1	0.0	-4.9	0.1	0.0
				H 1	0.2	-0.1	0.1	-0.0	0.0	0.0	0.2	-0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	780.7	0.6	1.8	0.6	1.4	0.0	780.7	-1.3	-2.5	0.6	1.4	0.0
				Viento +X exc.+	-38.2	-23.8	-0.8	-22.5	-0.9	0.0	-38.2	47.0	1.9	-22.5	-0.9	0.0
				Viento +X exc.-	-32.5	-23.5	-0.6	-22.2	-0.7	0.0	-32.5	46.4	1.4	-22.2	-0.7	0.0
				Viento -X exc.+	38.2	23.8	0.8	22.5	0.9	0.0	38.2	-47.0	-1.9	22.5	0.9	0.0
				Viento -X exc.-	32.5	23.5	0.6	22.2	0.7	0.0	32.5	-46.4	-1.4	22.2	0.7	0.0
				Viento +Y exc.+	-664.8	5.5	-19.0	5.0	-22.6	-0.0	-664.8	-10.1	52.3	5.0	-22.6	-0.0
				Viento +Y exc.-	-758.4	1.4	-21.8	1.1	-25.7	-0.0	-758.4	-2.0	59.2	1.1	-25.7	-0.0
				Viento -Y exc.+	664.8	-5.5	19.0	-5.0	22.6	0.0	664.8	10.1	-52.3	-5.0	22.6	0.0
				Viento -Y exc.-	758.4	-1.4	21.8	-1.1	25.7	0.0	758.4	2.0	-59.2	-1.1	25.7	0.0
	P. séptima +28.70	Diámetro 50	25.00/28.15	Peso propio	318.0	-32.6	-19.6	-21.9	-13.8	-0.0	302.8	36.2	23.7	-21.9	-13.8	-0.0
				Cargas muertas	330.4	-9.2	-1.4	-6.0	-1.4	0.0	330.4	9.8	2.9	-6.0	-1.4	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	174.6	-9.6	-6.5	-5.7	-4.4	-0.0	174.6	8.4	7.3	-5.7	-4.4	-0.0
				Viento +X exc.+	-5.1	5.2	0.3	4.6	0.2	-0.0	-5.1	-9.4	-0.5	4.6	0.2	-0.0
				Viento +X exc.-	-4.7	5.3	-0.2	4.7	-0.1	0.0	-4.7	-9.5	0.2	4.7	-0.1	0.0
				Viento -X exc.+	5.1	-5.2	-0.3	-4.6	-0.2	0.0	5.1	9.4	0.5	-4.6	-0.2	0.0
				Viento -X exc.-	4.7	-5.3	0.2	-4.7	0.1	0.0	4.7	9.5	-0.2	-4.7	0.1	0.0
	P. sexta +25.10	50x50	21.40/24.55	Peso propio	480.1	-43.9	-24.5	-28.1	-15.8	0.0	460.8	44.6	25.4	-28.1	-15.8	0.0
				Cargas muertas	481.8	-15.0	-0.9	-9.2	-0.5	0.0	481.8	14.0	0.7	-9.2	-0.5	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	222.3	-16.5	-9.2	-10.8	-6.1	0.0	222.3	17.4	10.2	-10.8	-6.1	0.0
				Viento +X exc.+	-11.4	11.2	0.5	8.5	0.4	-0.0	-11.4	-15.7	-0.7	8.5	0.4	-0.0
				Viento +X exc.-	-10.6	11.4	-0.3	8.7	-0.2	0.0	-10.6	-15.9	0.3	8.7	-0.2	0.0
				Viento -X exc.+	11.4	-11.2	-0.5	-8.5	-0.4	0.0	11.4	15.7	0.7	-8.5	-0.4	0.0
				Viento -X exc.-	10.6	-11.4	0.3	-8.7	0.2	-0.0	10.6	15.9	-0.3	-8.7	0.2	-0.0
	P. quinta +21.50	50x50	17.80/20.95	Peso propio	641.8	-27.2	-17.9	-19.8	-12.5	0.0	622.5	35.2	21.4	-19.8	-12.5	0.0
				Cargas muertas	632.8	-1.2	0.3	-3.2	-0.2	0.0	632.8	9.0	0.9	-3.2	-0.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	269.8	-8.8	-7.1	-6.6	-4.8	0.0	269.8	12.0	8.2	-6.6	-4.8	0.0
				Viento +X exc.+	-19.3	11.8	0.0	8.8	0.2	-0.0	-19.3	-16.0	-0.6	8.8	0.2	-0.0
				Viento +X exc.-	-18.0	12.1	-0.8	9.0	-0.4	0.0	-18.0	-16.3	0.5	9.0	-0.4	0.0
				Viento -X exc.+	19.3	-11.8	-0.0	-8.8	-0.2	0.0	19.3	16.0	0.6	-8.8	-0.2	0.0
				Viento -X exc.-	18.0	-12.1	0.8	-9.0	0.4	-0.0	18.0	16.3	-0.5	-9.0	0.4	-0.0
				Viento +Y exc.+	-38.9	2.6	16.7	2.2	9.5	0.2	-38.9	-4.4	-13.1	2.2	9.5	0.2
				Viento +Y exc.-	-60.8	-1.3	30.9	-0.4	19.7	0.0	-60.8	-0.2	-31.2	-0.4	19.7	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. cuarta +17.90	Diámetro 60	14.20/17.35	Viento -Y exc.+	38.9	-2.6	-16.7	-2.2	-9.5	-0.2	38.9	4.4	13.1	-2.2	-9.5	-0.2
				Viento -Y exc.-	60.8	1.3	-30.9	0.4	-19.7	-0.0	60.8	0.2	31.2	0.4	-19.7	-0.0
				Peso propio	807.9	-25.4	-37.2	-15.5	-20.1	0.0	786.1	23.5	26.2	-15.5	-20.1	0.0
				Cargas muertas	785.4	-1.0	-6.8	1.2	-2.8	0.0	785.4	-4.7	2.0	1.2	-2.8	0.0
				H 1	0.1	-0.2	-0.0	-0.1	-0.0	0.0	0.1	0.0	0.0	-0.1	-0.0	0.0
				Sobrecarga de uso	318.0	-9.7	-11.9	-5.6	-6.9	0.0	318.0	7.9	9.8	-5.6	-6.9	0.0
				Viento +X exc.+	-28.6	13.0	0.5	10.1	0.6	-0.0	-28.6	-18.8	-1.4	10.1	0.6	-0.0
				Viento +X exc.-	-26.7	13.3	-0.7	10.3	-0.2	0.0	-26.7	-19.1	-0.1	10.3	-0.2	0.0
				Viento -X exc.+	28.6	-13.0	-0.5	-10.1	-0.6	0.0	28.6	18.8	1.4	-10.1	-0.6	0.0
				Viento -X exc.-	26.7	-13.3	0.7	-10.3	0.2	0.0	26.7	19.1	0.1	-10.3	0.2	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Viento +Y exc.+	-50.3	4.4	13.9	2.7	7.9	0.3	-50.3	-4.2	-10.9	2.7	7.9	0.3
				Viento +Y exc.-	-81.9	-0.2	33.6	-0.3	21.1	0.0	-81.9	0.9	-32.7	-0.3	21.1	0.0
				Viento -Y exc.+	50.3	-4.4	-13.9	-2.7	-7.9	-0.3	50.3	4.2	10.9	-2.7	-7.9	-0.3
				Viento -Y exc.-	81.9	0.2	-33.6	0.3	-21.1	-0.0	81.9	-0.9	32.7	0.3	-21.1	-0.0
				Peso propio	969.8	-54.7	7.2	-29.6	-3.9	-0.0	947.3	41.6	19.9	-29.6	-3.9	-0.0
				Cargas muertas	935.2	-19.5	1.2	-10.6	-0.8	-0.0	935.2	14.8	3.9	-10.6	-0.8	-0.0
				H 1	0.1	0.6	-0.0	0.2	-0.0	0.0	0.1	-0.1	0.0	0.2	-0.0	0.0
				Sobrecarga de uso	364.7	-16.8	-3.6	-9.6	-3.8	0.0	364.7	14.5	8.8	-9.6	-3.8	0.0
				Viento +X exc.+	-37.2	17.6	1.1	10.2	1.4	-0.0	-37.2	-15.5	-3.5	10.2	1.4	-0.0
				Viento +X exc.-	-34.7	17.9	-0.6	10.3	0.4	-0.0	-34.7	-15.6	-2.1	10.3	0.4	-0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -X exc.+	37.2	-17.6	-1.1	-10.2	-1.4	0.0	37.2	15.5	3.5	-10.2	-1.4	0.0
				Viento -X exc.-	34.7	-17.9	0.6	-10.3	-0.4	0.0	34.7	15.6	2.1	-10.3	-0.4	0.0
				Viento +Y exc.+	-61.1	8.1	25.7	3.1	12.1	0.3	-61.1	-2.1	-13.8	3.1	12.1	0.3
				Viento +Y exc.-	-105.0	1.6	57.0	0.7	28.9	0.1	-105.0	-0.5	-36.9	0.7	28.9	0.1
				Viento -Y exc.+	61.1	-8.1	-25.7	-3.1	-12.1	-0.3	61.1	2.1	13.8	-3.1	-12.1	-0.3
				Viento -Y exc.-	105.0	-1.6	-57.0	-0.7	-28.9	-0.1	105.0	0.5	36.9	-0.7	-28.9	-0.1
				Peso propio	1278.4	-56.7	34.0	-21.3	12.1	0.0	1243.7	49.8	-26.3	-21.3	12.1	0.0
				Cargas muertas	1059.1	8.1	30.8	0.9	9.2	0.0	1059.1	3.8	-15.2	0.9	9.2	0.0
				H 1	0.2	-2.3	0.0	-0.6	0.0	0.0	0.2	0.8	-0.0	-0.6	0.0	0.0
				Sobrecarga de uso	439.8	-22.0	9.1	-7.8	2.7	0.0	439.8	17.0	-4.6	-7.8	2.7	0.0
	P. primera +5.35	60x60	-0.10/4.90	Viento +X exc.+	-48.7	22.4	7.9	9.1	3.3	-0.1	-48.7	-23.0	-8.8	9.1	3.3	-0.1
				Viento +X exc.-	-45.7	22.5	6.0	9.1	2.6	-0.0	-45.7	-22.8	-7.1	9.1	2.6	-0.0
				Viento -X exc.+	48.7	-22.4	-7.9	-9.1	-3.3	0.1	48.7	23.0	8.8	-9.1	-3.3	0.1
				Viento -X exc.-	45.7	-22.5	-6.0	-9.1	-2.6	0.0	45.7	22.8	7.1	-9.1	-2.6	0.0
				Viento +Y exc.+	-65.6	-1.2	7.0	-1.0	1.9	0.3	-65.6	3.8	-2.6	-1.0	1.9	0.3
				Viento +Y exc.-	-117.0	-2.2	36.4	-0.7	12.7	0.1	-117.0	1.2	-27.3	-0.7	12.7	0.1
				Viento -Y exc.+	65.6	1.2	-7.0	1.0	-1.9	-0.3	65.6	-3.8	2.6	1.0	-1.9	-0.3
				Viento -Y exc.-	117.0	2.2	-36.4	0.7	-12.7	-0.1	117.0	-1.2	27.3	0.7	-12.7	-0.1
				Peso propio	1640.9	-76.6	28.5	-34.0	15.9	0.0	1596.8	93.4	-51.0	-34.0	15.9	0.0
				Cargas muertas	1376.4	-8.3	29.3	1.2	17.1	0.0	1376.4	-14.4	-56.5	1.2	17.1	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	H 1	-0.1	13.5	-0.0	3.3	-0.0	0.0	-0.1	-2.9	0.0	3.3	-0.0	0.0
				Sobrecarga de uso	541.6	-26.3	9.4	-12.6	5.3	0.0	541.6	36.8	-17.0	-12.6	5.3	0.0
				Viento +X exc.+	-55.5	45.9	15.0	11.1	4.4	-0.1	-55.5	-9.7	-7.1	11.1	4.4	-0.1
				Viento +X exc.-	-52.2	45.8	11.5	11.1	3.4	-0.0	-52.2	-9.8	-5.5	11.1	3.4	-0.0
				Viento -X exc.+	55.5	-45.9	-15.0	-11.1	-4.4	0.1	55.5	9.7	7.1	-11.1	-4.4	0.1
				Viento -X exc.-	52.2	-45.8	-11.5	-11.1	-3.4	0.0	52.2	9.8	5.5	-11.1	-3.4	0.0
				Viento +Y exc.+	-65.8	-4.5	21.7	-1.5	6.9	0.2	-65.8	3.2	-12.7	-1.5	6.9	0.2
				Viento +Y exc.-	-121.5	-3.0	72.9	-1.7	21.5	0.1	-121.5	5.2	-34.5	-1.7	21.5	0.1
				Viento -Y exc.+	65.8	4.5	-21.7	1.5	-6.9	-0.2	65.8	-3.2	12.7	1.5	-6.9	-0.2
				Viento -Y exc.-	121.5	3.0	-72.9	1.7	-21.5	-0.1	121.5	-5.2	34.5	1.7	-21.5	-0.1
	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	419.9	-52.3	1.0	-56.7	6.5	-0.3	1249.4	47.8	2.6	-8.4	4.3	1.9
				Cargas muertas	339.3	-30.1	-0.1	-34.2	0.0	-0.1	987.8	29.5	3.8	-24.0	-11.3	0.9
				H 1	69.5	42.3	-0.1	56.7	-0.5	-0.0	-31.4	-6.6	-0.1	-27.8	-0.2	-0.0
				Sobrecarga de uso	132.7	-13.6	0.2	-15.1	1.3	-0.0	395.4	9.8	1.3	-1.2	-2.0	0.3
				Viento +X exc.+	-29.8	-6.9	0.4	-6.6	2.1	-0.0	-11.6	20.6	3.0	-18.6	-7.4	0.0
				Viento +X exc.-	-29.0	-6.9	0.3	-6.6	1.6	-0.0	-9.4	20.6	2.3	-18.6	-5.8	0.0
				Viento -X exc.+	29.8	6.9	-0.4	6.6	-2.1	0.0	11.6	-20.6	-3.0	18.6	7.4	-0.0
				Viento -X exc.-	29.0	6.9	-0.3	6.6	-1.6	0.0	9.4	-20.6	-2.3	18.6	5.8	-0.0
				Viento +Y exc.+	-13.4	1.3	10.6	1.5	51.1	0.0	-48.4	-1.9	8.2	3.2	37.7	0.1
				Viento +Y exc.-	-27.7	1.6	12.2	2.0	58.5	-0.0	-85.7	-1.5	18.1	3.6	13.8	0.4
	P50			Viento -Y exc.+	13.4	-1.3	-10.6	-1.5	-51.1	-0.0	48.4	1.9	-8.2	-3.2	-37.7	-0.1
				Viento -Y exc.-	27.7	-1.6	-12.2	-2.0	-58.5	0.0	85.7	1.5	-18.1	-3.6	-13.8	-0.4
				Peso propio	250.6	5.0	-21.9	3.2	-11.4	0.0	234.6	-5.5	15.3	3.2	-11.4	0.0
				Cargas muertas	186.3	0.5	13.1	0.1	8.4	0.0	186.3	0.3	-14.0	0.1	8.4	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	199.9	4.2	-12.4	3.3	-7.7	0.0	199.9	-6.6	12.8	3.3	-7.7	0.0
				Viento +X exc.+	-0.3	7.8	0.5	4.2	0.3	-0.0	-0.3	-5.9	-0.4	4.2	0.3	-0.0
				Viento +X exc.-	-0.2	7.9	0.1	4.3	0.1	0.0	-0.2	-5.9	-0.1	4.3	0.1	0.0
				Viento -X exc.+	0.3	-7.8	-0.5	-4.2	-0.3	0.0	0.3	5.9	0.4	-4.2	-0.3	0.0
				Viento -X exc.-	0.2	-7.9	-0.1	-4.3	-0.1	0.0	0.2	5.9	0.1	-4.3	-0.1	0.0
				Viento +Y exc.+	-5.7	0.2	19.0	0.3	10.2	0.0	-5.7	-0.7	-14.1	0.3	10.2	0.0
				Viento +Y exc.-	-7.8	-1.7	25.8	-0.8	14.0	-0.0	-7.8	0.7	-19.8	-0.8	14.0	-0.0
				Viento -Y exc.+	5.7	-0.2	-19.0	-0.3	-10.2	-0.0	5.7	0.7	14.1	-0.3	-10.2	-0.0
				Viento -Y exc.-	7.8	1.7	-25.8	0.8	-14.0	0.0	7.8	-0.7	19.8	0.8	-14.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	50x45	25.00/28.15	Peso propio	476.1	2.7	-31.4	1.7	-20.8	-0.0	458.8	-2.7	34.0	1.7	-20.8	-0.0	-0.0
				Cargas muertas	345.4	1.5	11.9	1.1	7.3	0.0	345.4	-2.0	-11.2	1.1	7.3	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	268.4	-0.1	-11.4	-0.4	-7.2	-0.0	268.4	1.2	11.3	-0.4	-7.2	-0.0
				Viento +X exc.+	-0.8	13.5	0.4	9.8	0.3	-0.0	-0.8	-17.4	-0.6	9.8	0.3	-0.0
				Viento +X exc.-	-0.3	13.7	-0.2	10.0	-0.1	0.0	-0.3	-17.7	0.2	10.0	-0.1	0.0
				Viento -X exc.+	0.8	-13.5	-0.4	-9.8	-0.3	0.0	0.8	17.4	0.6	-9.8	-0.3	0.0
				Viento -X exc.-	0.3	-13.7	0.2	-10.0	0.1	0.0	0.3	17.7	-0.2	-10.0	0.1	0.0
				Viento +Y exc.+	-20.0	1.1	26.5	1.2	16.5	0.0	-20.0	-2.7	-25.6	1.2	16.5	0.0
				Viento +Y exc.-	-28.5	-2.6	37.0	-1.4	24.2	-0.0	-28.5	2.0	-39.1	-1.4	24.2	-0.0
				Viento -Y exc.+	20.0	-1.1	-26.5	-1.2	-16.5	-0.0	20.0	2.7	25.6	-1.2	-16.5	-0.0
				Viento -Y exc.-	28.5	2.6	-37.0	1.4	-24.2	0.0	28.5	-2.0	39.1	1.4	-24.2	0.0
P. sexta +25.10	50x45	21.40/24.55	Peso propio	701.2	2.9	-27.6	1.9	-17.9	0.0	683.8	-3.1	28.7	1.9	-17.9	0.0	0.0
				Cargas muertas	504.8	1.4	10.4	0.9	6.8	0.0	504.8	-1.4	-11.2	0.9	6.8	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	337.4	1.0	-10.9	0.8	-7.2	0.0	337.4	-1.4	11.9	0.8	-7.2	0.0
				Viento +X exc.+	-0.8	19.1	0.5	13.4	0.4	-0.0	-0.8	-23.1	-0.7	13.4	0.4	-0.0
				Viento +X exc.-	0.2	19.4	-0.2	13.6	-0.1	0.0	0.2	-23.5	0.2	13.6	-0.1	0.0
				Viento -X exc.+	0.8	-19.1	-0.5	-13.4	-0.4	0.0	0.8	23.1	0.7	-13.4	-0.4	0.0
				Viento -X exc.-	-0.2	-19.4	0.2	-13.6	0.1	0.0	-0.2	23.5	-0.2	-13.6	0.1	0.0
				Viento +Y exc.+	-33.6	4.3	19.3	3.2	11.9	0.1	-33.6	-5.9	-18.2	3.2	11.9	0.1
				Viento +Y exc.-	-50.2	-0.7	31.6	-0.2	20.7	-0.0	-50.2	-0.0	-33.6	-0.2	20.7	-0.0
				Viento -Y exc.+	33.6	-4.3	-19.3	-3.2	-11.9	-0.1	33.6	5.9	18.2	-3.2	-11.9	-0.1
				Viento -Y exc.-	50.2	0.7	-31.6	0.2	-20.7	0.0	50.2	0.0	33.6	0.2	-20.7	0.0
P. quinta +21.50	50x50	17.80/20.95	Peso propio	928.4	3.5	-26.5	2.2	-18.5	0.0	909.1	-3.4	31.8	2.2	-18.5	0.0	0.0
				Cargas muertas	664.4	1.4	13.8	1.0	8.5	0.0	664.4	-1.6	-12.8	1.0	8.5	0.0
				H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	406.4	1.1	-11.1	0.6	-7.6	0.0	406.4	-0.9	12.8	0.6	-7.6	0.0
				Viento +X exc.+	-0.7	25.9	0.4	17.1	0.4	-0.0	-0.7	-28.1	-0.8	17.1	0.4	-0.0
				Viento +X exc.-	0.8	26.2	-0.5	17.4	-0.3	0.0	0.8	-28.5	0.3	17.4	-0.3	0.0
				Viento -X exc.+	0.7	-25.9	-0.4	-17.1	-0.4	0.0	0.7	28.1	0.8	-17.1	-0.4	0.0
				Viento -X exc.-	-0.8	-26.2	0.5	-17.4	0.3	-0.0	-0.8	28.5	-0.3	-17.4	0.3	-0.0
				Viento +Y exc.+	-46.7	6.4	23.9	4.3	14.7	0.2	-46.7	-7.2	-22.2	4.3	14.7	0.2
				Viento +Y exc.-	-73.5	-0.3	40.5	-0.1	26.0	0.0	-73.5	-0.1	-41.5	-0.1	26.0	0.0
				Viento -Y exc.+	46.7	-6.4	-23.9	-4.3	-14.7	-0.2	46.7	7.2	22.2	-4.3	-14.7	-0.2
				Viento -Y exc.-	73.5	0.3	-40.5	0.1	-26.0	-0.0	73.5	0.1	41.5	0.1	-26.0	-0.0
P. cuarta +17.90	50x50	14.20/17.35	Peso propio	1154.8	0.9	-49.6	0.8	-26.5	0.0	1135.5	-1.7	33.8	0.8	-26.5	0.0	0.0
				Cargas muertas	823.1	0.5	2.9	0.2	3.8	0.0	823.1	-0.3	-9.2	0.2	3.8	0.0
				H 1	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	475.0	0.0	-16.1	0.1	-9.2	0.0	475.0	-0.4	12.9	0.1	-9.2	0.0
				Viento +X exc.+	-0.5	20.7	0.2	15.8	0.4	-0.0	-0.5	-28.9	-1.2	15.8	0.4	-0.0
				Viento +X exc.-	1.8	21.1	-0.8	16.0	-0.2	0.0	1.8	-29.3	-0.1	16.0	-0.2	0.0
				Viento -X exc.+	0.5	-20.7	-0.2	-15.8	-0.4	0.0	0.5	28.9	1.2	-15.8	-0.4	0.0
				Viento -X exc.-	-1.8	-21.1	0.8	-16.0	0.2	0.0	-1.8	29.3	0.1	-16.0	0.2	0.0
				Viento +Y exc.+	-59.2	6.7	18.6	4.5	11.3	0.2	-59.2	-7.6	-17.0	4.5	11.3	0.2
				Viento +Y exc.-	-97.6	0.7	36.2	0.5	23.1	0.0	-97.6	-1.0	-36.5	0.5	23.1	0.0
				Viento -Y exc.+	59.2	-6.7	-18.6	-4.5	-11.3	-0.2	59.2	7.6	17.0	-4.5	-11.3	-0.2
				Viento -Y exc.-	97.6	-0.7	-36.2	-0.5	-23.1	-0.0	97.6	1.0	36.5	-0.5	-23.1	-0.0
P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1373.5	8.6	43.9	3.3	7.3	-0.0	1350.9	-2.1	20.2	3.3	7.3	-0.0	0.0
				Cargas muertas	981.1	1.2	26.2	0.3	11.3	-0.0	981.1	0.4	-10.5	0.3	11.3	-0.0
				H 1	0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.1	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	542.3	3.6	1.8	1.4	-3.0	0.0	542.3	-0.9	11.5	1.4	-3.0	0.0
				Viento +X exc.+	-0.8	36.4	2.1	19.8	1.5	-0.0	-0.8	-27.9	-3.0	19.8	1.5	-0.0
				Viento +X exc.-	2.2	36.8	0.3	20.0	0.6	-0.0	2.2	-28.1	-1.6	20.0	0.6	-0.0
				Viento -X exc.+	0.8	-36.4	-2.1	-19.8	-1.5	0.0	0.8	27.9	3.0	-19.8	-1.5	0.0
				Viento -X exc.-	-2.2	-36.8	-0.3	-20.0	-0.6	0.0	-2.2	28.1	1.6	-20.0	-0.6	0.0
				Viento +Y exc.+	-71.8	9.6	33.6	4.2	17.1	0.3	-71.8	-3.9	-21.9	4.2	17.1	0.3
				Viento +Y exc.-	-123.2	2.1	63.9	0.8	33.6	0.1	-123.2	-0.5	-45.1	0.8	33.6	0.1
				Viento -Y exc.+	71.8	-9.6	-33.6	-4.2	-17.1	-0.3	71.8	3.9	21.9	-4.2	-17.1	-0.3
				Viento -Y exc.-	123.2	-2.1	-63.9	-0.8	-33.6	-0.1	123.2	0.5	45.1	-0.8	-33.6	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1814.4	2.3	-55.5	2.0	-9.0	0.0	1779.7	-8.0	-10.6	2.0	-9.0	0.0	0.0
				Cargas muertas	1140.3	0.7	-22.2	0.6	-4.0	0.0	1140.3	-2.1	-2.2	0.6	-4.0	0.0
				H 1	-0.0	0.4	0.0	0.1	0.0	0.0	-0.0	-0.1	-0.0	0.1	0.0	0.0
				Sobrecarga de uso	644.0	0.9	-22.5	0.8	-5.7	0.0	644.0	-3.0	5.8	0.8	-5.7	0.0
				Viento +X exc.+	1.3	11.5	2.9	7.6	1.8	-0.1	1.3	-26.5	-6.1	7.6	1.8	-0.1
				Viento +X exc.-	4.6	11.5	1.9	7.6	1.4	-0.0	4.6	-26.3	-4.9	7.6	1.4	-0.0
				Viento -X exc.+	-1.3	-11.5	-2.9	-7.6	-1.8	0.1	-1.3	26.5	6.1	-7.6	-1.8	0.1
				Viento -X exc.-	-4.6	-11.5	-1.9	-7.6	-1.4	0.0	-4.6	26.3	4.9	-7.6	-1.4	0.0
				Viento +Y exc.+	-76.4	0.6	8.9	-0.4	3.2	0.3	-76.4	2.6	-7.2	-0.4	3.2	0.3
				Viento +Y exc.-	-132.9	0.6	25.6	0.2	10.1	0.1	-132.9	-0.4	-25.1	0.2	10.1	0.1
				Viento -Y exc.+	76.4	-0.6	-8.9	0.4	-3.2	-0.3	76.4	-2.6	7.2	0.4	-3.2	-0.3
				Viento -Y exc.-	132.9	-0.6	-25.6	-0.2	-10.1	-0.1	132.9	0.4	25.1	-0.2	-10.1	-0.1
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	2044.3	1.1	-18.3	-0.1	-18.9	0.0	2009.6	1.9	76.4	-0.1	-18.9	0.0	0.0
				Cargas muertas	1214.7	0.3	-4.1	-0.1	-6.4	0.0	1214.7	0.6	27.8	-0.1	-6.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.2	-1.3	-0.5	-0.3	-0.1	0.0	0.2	0.3	0.2	-0.3	-0.1	0.0
				Sobrecarga de uso	712.4	0.3	-9.7	-0.1	-7.2	0.0	712.4	0.7	26.1	-0.1	-7.2	0.0
				Viento +X exc.+	3.3	20.0	5.0	1.7	0.8	-0.0	3.3	11.8	0.9	1.7	0.8	-0.0
				Viento +X exc.-	7.1	19.9	3.6	1.6	0.5	-0.0	7.1	11.8	1.1	1.6	0.5	-0.0
				Viento -X exc.+	-3.3	-20.0	-5.0	-1.7	-0.8	0.0	-3.3	-11.8	-0.9	-1.7	-0.8	0.0
				Viento -X exc.-	-7.1	-19.9	-3.6	-1.6	-0.5	0.0	-7.1	-11.8	-1.1	-1.6	-0.5	0.0
				Viento +Y exc.+	-81.8	-2.1	16.0	-0.5	4.0	0.2	-81.8	0.4	-3.8	-0.5	4.0	0.2
				Viento +Y exc.-	-145.7	-0.7	36.0	-0.2	8.2	0.0	-145.7	0.5	-5.0	-0.2	8.2	0.0
				Viento -Y exc.+	81.8	2.1	-16.0	0.5	-4.0	-0.2	81.8	-0.4	3.8	0.5	-4.0	-0.2
				Viento -Y exc.-	145.7	0.7	-36.0	0.2	-8.2	-0.0	145.7	-0.5	5.0	0.2	-8.2	-0.0
	P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	2705.2	2.6	113.1	2.5	106.0	0.0	2669.5	-4.9	-208.1	2.5	106.0	0.0
				Cargas muertas	1460.8	0.4	56.4	0.4	53.2	0.0	1460.8	-0.8	-104.7	0.4	53.2	0.0
				H 1	-9.9	-3.4	-2.0	-3.1	-1.9	0.0	-9.9	6.0	3.8	-3.1	-1.9	0.0
				Sobrecarga de uso	856.0	1.1	21.0	1.1	19.5	0.0	856.0	-2.1	-38.2	1.1	19.5	0.0
				Viento +X exc.+	3.3	-3.6	-0.4	-3.7	-0.7	0.0	3.3	7.6	1.7	-3.7	-0.7	0.0
				Viento +X exc.-	7.2	-3.6	-0.3	-3.7	-0.5	0.0	7.2	7.6	1.2	-3.7	-0.5	0.0
				Viento -X exc.+	-3.3	3.6	0.4	3.7	0.7	0.0	-3.3	-7.6	-1.7	3.7	0.7	0.0
				Viento -X exc.-	-7.2	3.6	0.3	3.7	0.5	0.0	-7.2	-7.6	-1.2	3.7	0.5	0.0
				Viento +Y exc.+	-83.4	0.9	11.6	0.8	3.8	-0.0	-83.4	-1.5	0.1	0.8	3.8	-0.0
				Viento +Y exc.-	-148.9	0.7	9.4	0.6	0.5	-0.0	-148.9	-1.1	7.8	0.6	0.5	-0.0
				Viento -Y exc.+	83.4	-0.9	-11.6	-0.8	-3.8	0.0	83.4	1.5	-0.1	-0.8	-3.8	0.0
				Viento -Y exc.-	148.9	-0.7	-9.4	-0.6	-0.5	0.0	148.9	1.1	-7.8	-0.6	-0.5	0.0
P51	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	228.9	1.9	-20.9	1.3	-11.0	0.0	212.9	-2.3	14.8	1.3	-11.0	0.0
				Cargas muertas	176.7	2.4	13.1	1.9	8.2	0.0	176.7	-3.8	-13.7	1.9	8.2	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	181.3	0.8	-11.9	0.2	-7.4	0.0	181.3	0.1	12.2	0.2	-7.4	0.0
				Viento +X exc.+	-0.7	8.4	0.5	4.6	0.3	-0.0	-0.7	-6.6	-0.4	4.6	0.3	-0.0
				Viento +X exc.-	-0.6	8.5	0.1	4.7	0.1	0.0	-0.6	-6.7	-0.1	4.7	0.1	0.0
				Viento -X exc.+	0.7	-8.4	-0.5	-4.6	-0.3	0.0	0.7	6.6	0.4	-4.6	-0.3	0.0
				Viento -X exc.-	0.6	-8.5	-0.1	-4.7	-0.1	0.0	0.6	6.7	0.1	-4.7	-0.1	0.0
				Viento +Y exc.+	-5.5	0.2	19.0	0.2	10.3	0.0	-5.5	-0.4	-14.4	0.2	10.3	0.0
				Viento +Y exc.-	-7.2	-2.0	24.9	-1.0	13.6	-0.0	-7.2	1.3	-19.3	-1.0	13.6	-0.0
				Viento -Y exc.+	5.5	-0.2	-19.0	-0.2	-10.3	-0.0	5.5	0.4	14.4	-0.2	-10.3	-0.0
				Viento -Y exc.-	7.2	2.0	-24.9	1.0	-13.6	0.0	7.2	-1.3	19.3	1.0	-13.6	0.0
	P. séptima +28.70	50x45	25.00/28.15	Peso propio	449.4	1.3	-29.8	0.8	-19.7	-0.0	432.1	-1.1	32.2	0.8	-19.7	-0.0
				Cargas muertas	336.4	0.9	12.3	0.4	7.7	0.0	336.4	-0.2	-11.8	0.4	7.7	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	250.1	1.1	-11.5	0.7	-7.3	-0.0	250.1	-1.2	11.5	0.7	-7.3	-0.0
				Viento +X exc.+	-1.1	13.5	0.5	9.8	0.4	-0.0	-1.1	-17.5	-0.6	9.8	0.4	-0.0
				Viento +X exc.-	-0.7	13.7	-0.0	10.0	-0.0	0.0	-0.7	-17.8	0.0	10.0	-0.0	0.0
				Viento -X exc.+	1.1	-13.5	-0.5	-9.8	-0.4	0.0	1.1	17.5	0.6	-9.8	-0.4	0.0
				Viento -X exc.-	0.7	-13.7	0.0	-10.0	0.0	0.0	0.7	17.8	-0.0	-10.0	0.0	0.0
				Viento +Y exc.+	-20.4	1.3	26.6	1.3	17.0	0.0	-20.4	-2.9	-26.9	1.3	17.0	0.0
				Viento +Y exc.-	-27.5	-2.4	35.6	-1.3	23.4	-0.0	-27.5	1.7	-38.2	-1.3	23.4	-0.0
				Viento -Y exc.+	20.4	-1.3	-26.6	-1.3	-17.0	0.0	20.4	2.9	26.9	-1.3	-17.0	-0.0
				Viento -Y exc.-	27.5	2.4	-35.6	1.3	-23.4	0.0	27.5	-1.7	38.2	1.3	-23.4	0.0
	P. sexta +25.10	50x45	21.40/24.55	Peso propio	669.5	2.6	-26.3	1.6	-17.0	0.0	652.1	-2.5	27.2	1.6	-17.0	0.0
				Cargas muertas	495.3	2.5	10.6	1.6	7.0	0.0	495.3	-2.5	-11.5	1.6	7.0	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	318.3	1.3	-10.9	0.8	-7.2	0.0	318.3	-1.2	11.8	0.8	-7.2	0.0
				Viento +X exc.+	-1.6	19.0	0.6	13.3	0.4	-0.0	-1.6	-23.0	-0.7	13.3	0.4	-0.0
				Viento +X exc.-	-0.8	19.3	-0.0	13.5	-0.0	0.0	-0.8	-23.3	0.0	13.5	-0.0	0.0
				Viento -X exc.+	1.6	-19.0	-0.6	-13.3	-0.4	0.0	1.6	23.0	0.7	-13.3	-0.4	0.0
				Viento -X exc.-	0.8	-19.3	0.0	-13.5	0.0	0.0	0.8	23.3	-0.0	-13.5	0.0	0.0
				Viento +Y exc.+	-35.2	4.3	21.2	3.2	13.5	0.1	-35.2	-5.9	-21.3	3.2	13.5	0.1
				Viento +Y exc.-	-49.1	-0.6	31.4	-0.1	20.7	-0.0	-49.1	-0.1	-33.9	-0.1	20.7	-0.0
				Viento -Y exc.+	35.2	-4.3	-21.2	-3.2	-13.5	-0.1	35.2	5.9	21.3	-3.2	-13.5	-0.1
				Viento -Y exc.-	49.1	0.6	-31.4	0.1	-20.7	0.0	49.1	0.1	-33.9	0.1	-20.7	0.0
	P. quinta +21.50	50x50	17.80/20.95	Peso propio	891.0	1.9	-24.8	1.5	-17.4	0.0	871.6	-2.7	30.2	1.5	-17.4	0.0
				Cargas muertas	653.4	1.3	14.6	1.1	8.9	0.0	653.4	-2.2	-13.3	1.1	8.9	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	386.3	1.1	-11.1	0.8	-7.6	0.0	386.3	-1.5	12.7	0.8	-7.6	0.0
				Viento +X exc.+	-2.1	25.1	0.6	16.8	0.5	-0.0	-2.1	-27.6	-0.9	16.8	0.5	-0.0
				Viento +X exc.-	-0.8	25.5	-0.2	17.0	-0.1	0.0	-0.8	-28.0	0.0	17.0	-0.1	0.0
				Viento -X exc.+	2.1	-25.1	-0.6	-16.8	-0.5	0.0	2.1	27.6	0.9	-16.8	-0.5	0.0
				Viento -X exc.-	0.8	-25.5	0.2	-17.0	0.1	-0.0	0.8	28.0	-0.0	-17.0	0.1	-0.0
				Viento +Y exc.+	-50.2	6.3	26.5	4.3	16.7	0.2	-50.2	-7.2	-26.0	4.3	16.7	0.2
				Viento +Y exc.-	-72.4	-0.2	40.0	0.0	26.0	0.0	-72.4	-0.3	-41.8	0.0	26.0	0.0
				Viento -Y exc.+	50.2	-6.3	-26.5	-4.3	-16.7	-0.2	50.2	7.2	26.0	-4.3	-16.7	-0.2
				Viento -Y exc.-	72.4	0.2	-40.0	-0.0	-26.0	-0.0	72.4	0.3	-41.8	-0.0	-26.0	-0.0
	P. cuarta +17.90	50x50	14.20/17.35	Peso propio	1114.2	4.1	-48.1	1.9	-25.5	0.0	1094.9	-1.8	32.1	1.9	-25.5	0.0
				Cargas muertas	813.6	4.9	2.7	2.1	3.9	0.0	813.6	-1.8	-9.6	2.1	3.9	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	454.9	2.2	-15.6	1.0	-8.9	0.0	454.9	-1.1	12.5	1.0	-8.9	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento +X exc.+	-2.6	20.5	0.7	15.5	0.6	-0.0	-2.6	-28.2	-1.3	15.5	0.6	-0.0			
				Viento +X exc.-	-0.8	20.8	-0.2	15.7	0.1	0.0	-0.8	-28.6	-0.4	15.7	0.1	0.0			
				Viento -X exc.+	2.6	-20.5	-0.7	-15.5	-0.6	0.0	2.6	28.2	1.3	-15.5	-0.6	0.0			
				Viento -X exc.-	0.8	-20.8	0.2	-15.7	-0.1	0.0	0.8	28.6	0.4	-15.7	-0.1	0.0			
				Viento +Y exc.+	-65.4	6.6	22.8	4.4	14.1	0.2	-65.4	-7.4	-21.7	4.4	14.1	0.2			
				Viento +Y exc.-	-97.0	0.7	37.5	0.6	23.8	0.0	-97.0	-1.1	-37.6	0.6	23.8	0.0			
				Viento -Y exc.+	65.4	-6.6	-22.8	-4.4	-14.1	-0.2	65.4	7.4	21.7	-4.4	-14.1	-0.2			
				Viento -Y exc.-	97.0	-0.7	-37.5	-0.6	-23.8	-0.0	97.0	1.1	37.6	-0.6	-23.8	-0.0			
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1328.1	2.1	39.7	1.7	5.4	-0.0	1305.6	-3.4	22.2	1.7	5.4	-0.0			
				Cargas muertas	965.4	0.3	30.6	1.3	12.9	-0.0	965.4	-4.1	-11.4	1.3	12.9	-0.0			
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0				
				Sobrecarga de uso	519.0	0.7	-0.2	0.9	-3.8	0.0	519.0	-2.1	12.0	0.9	-3.8	0.0			
				Viento +X exc.+	-3.7	33.9	1.2	18.7	1.2	-0.0	-3.7	-27.0	-2.6	18.7	1.2	-0.0			
				Viento +X exc.-	-1.2	34.4	-0.1	18.9	0.4	-0.0	-1.2	-27.1	-1.5	18.9	0.4	-0.0			
				Viento -X exc.+	3.7	-33.9	-1.2	-18.7	-1.2	0.0	3.7	27.0	2.6	-18.7	-1.2	0.0			
				Viento -X exc.-	1.2	-34.4	0.1	-18.9	-0.4	0.0	1.2	27.1	1.5	-18.9	-0.4	0.0			
				Viento +Y exc.+	-80.6	9.0	37.1	3.9	19.6	0.3	-80.6	-3.5	-26.5	3.9	19.6	0.3			
				Viento +Y exc.-	-122.4	1.0	59.9	0.3	32.2	0.1	-122.4	-0.0	-44.9	0.3	32.2	0.1			
P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -Y exc.+	80.6	-9.0	-37.1	-3.9	-19.6	-0.3	80.6	3.5	26.5	-3.9	-19.6	-0.3				
			Viento -Y exc.-	122.4	-1.0	-59.9	-0.3	-32.2	-0.1	122.4	0.0	44.9	-0.3	-32.2	-0.1				
			Peso propio	1775.3	0.0	-32.9	0.3	-2.5	0.0	1740.6	-1.6	-20.4	0.3	-2.5	0.0				
			Cargas muertas	1149.8	-0.9	-11.6	-0.4	-0.2	0.0	1149.8	1.2	-10.6	-0.4	-0.2	0.0				
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0					
			Sobrecarga de uso	619.3	-0.2	-13.4	-0.1	-3.2	0.0	619.3	0.2	2.4	-0.1	-3.2	0.0				
			Viento +X exc.+	-5.5	8.7	2.9	6.5	1.5	-0.1	-5.5	-23.7	-4.6	6.5	1.5	-0.1				
			Viento +X exc.-	-2.6	8.7	2.2	6.5	1.2	-0.0	-2.6	-23.6	-3.7	6.5	1.2	-0.0				
			Viento -X exc.+	5.5	-8.7	-2.9	-6.5	-1.5	0.1	5.5	23.7	4.6	-6.5	-1.5	0.1				
			Viento -X exc.-	2.6	-8.7	-2.2	-6.5	-1.2	0.0	2.6	23.6	3.7	-6.5	-1.2	0.0				
P. primera +5.35	Diámetro 60	0.30/4.90	Viento +Y exc.+	-91.3	0.7	11.4	-0.4	4.3	0.3	-91.3	2.8	-10.3	-0.4	4.3	0.3				
			Viento +Y exc.-	-141.2	0.5	23.1	0.1	9.1	0.1	-141.2	0.2	-22.5	0.1	9.1	0.1				
			Viento -Y exc.+	91.3	-0.7	-11.4	0.4	-4.3	-0.3	91.3	-2.8	10.3	0.4	-4.3	-0.3				
			Viento -Y exc.-	141.2	-0.5	-23.1	-0.1	-9.1	-0.1	141.2	-0.2	22.5	-0.1	-9.1	-0.1				
			Peso propio	1914.4	2.0	6.9	0.4	-9.2	0.0	1882.5	0.1	49.0	0.4	-9.2	0.0				
			Cargas muertas	1190.1	2.5	1.6	0.7	-4.0	0.0	1190.1	-0.7	19.9	0.7	-4.0	0.0				
			H 1	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0					
			Sobrecarga de uso	653.1	0.5	-1.1	0.1	-3.5	0.0	653.1	-0.1	14.9	0.1	-3.5	0.0				
			Viento +X exc.+	-7.6	25.9	5.7	3.5	1.5	-0.0	-7.6	9.7	-1.2	3.5	1.5	-0.0				
			Viento +X exc.-	-4.2	25.8	4.3	3.5	1.2	-0.0	-4.2	9.7	-1.0	3.5	1.2	-0.0				
			Viento -X exc.+	7.6	-25.9	-5.7	-3.5	-1.5	0.0	7.6	-9.7	1.2	-3.5	-1.5	0.0				
			Viento -X exc.-	4.2	-25.8	-4.3	-3.5	-1.2	0.0	4.2	-9.7	1.0	-3.5	-1.2	0.0				
			Viento +Y exc.+	-99.9	-2.6	26.5	-0.7	7.2	0.2	-99.9	0.5	-6.6	-0.7	7.2	0.2				
			Viento +Y exc.-	-156.6	-0.9	46.6	-0.3	12.3	0.1	-156.6	0.4	-9.8	-0.3	12.3	0.1				
Viento -Y exc.+	99.9	2.6	-26.5	0.7	-7.2	-0.2	99.9	-0.5	6.6	0.7	-7.2	-0.2							
Viento -Y exc.-	156.6	0.9	-46.6	0.3	-12.3	-0.1	156.6	-0.4	9.8	0.3	-12.3	-0.1							
P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	2705.3	1.9	192.2	1.7	169.0	0.0	2669.6	-3.3	-319.8	1.7	169.0	0.0				
			Cargas muertas	1456.1	6.2	74.5	5.4	65.6	0.0	1456.1	-10.2	-124.3	5.4	65.6	0.0				
			H 1	2.1	0.4	0.7	0.4	0.6	0.0	2.1	-0.8	-1.2	0.4	0.6	0.0				
			Sobrecarga de uso	823.3	0.3	38.9	0.3	34.1	0.0	823.3	-0.5	-64.5	0.3	34.1	0.0				
			Viento +X exc.+	-8.0	-4.2	-0.9	-3.9	-1.0	0.0	-8.0	7.7	2.2	-3.9	-1.0	0.0				
			Viento +X exc.-	-4.5	-4.2	-0.7	-3.9	-0.8	0.0	-4.5	7.6	1.7	-3.9	-0.8	0.0				
			Viento -X exc.+	8.0	4.2	0.9	3.9	1.0	0.0	8.0	-7.7	-2.2	3.9	1.0	0.0				
			Viento -X exc.-	4.5	4.2	0.7	3.9	0.8	0.0	4.5	-7.6	-1.7	3.9	0.8	0.0				
			Viento +Y exc.+	-101.1	0.7	6.9	0.5	0.6	-0.0	-101.1	-1.0	5.1	0.5	0.6	-0.0				
			Viento +Y exc.-	-158.5	0.3	4.1	0.2	-2.7	-0.0	-158.5	-0.3	12.3	0.2	-2.7	-0.0				
			Viento -Y exc.+	101.1	-0.7	-6.9	-0.5	-0.6	0.0	101.1	1.0	-5.1	-0.5	-0.6	0.0				
			Viento -Y exc.-	158.5	-0.3	-4.1	-0.2	2.7	0.0	158.5	0.3	-12.3	-0.2	2.7	0.0				
			P52	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	259.5	-54.9	-22.7	-30.3	-11.5	0.0	243.6	43.7	14.8	-30.3	-11.5	0.0
							Cargas muertas	236.4	-58.4	19.8	-33.4	11.2	0.0	236.4	50.1	-16.7	-33.4	11.2	0.0
H 1	0.0	0.0					-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0			
Sobrecarga de uso	173.9	-26.6					-15.0	-14.3	-8.7	0.0	173.9	19.8	13.5	-14.3	-8.7	0.0			
Viento +X exc.+	12.2	4.4					0.2	2.3	0.1	-0.0	12.2	-3.0	-0.3	2.3	0.1	-0.0			
Viento +X exc.-	12.5	4.4					-0.0	2.3	0.0	0.0	12.5	-3.0	-0.0	2.3	0.0	0.0			
Viento -X exc.+	-12.2	-4.4					-0.2	-2.3	-0.1	0.0	-12.2	3.0	0.3	-2.3	-0.1	0.0			
Viento -X exc.-	-12.5	-4.4					0.0	-2.3	-0.0	0.0	-12.5	3.0	0.0	-2.3	-0.0	0.0			
Viento +Y exc.+	-5.2	2.5					15.9	1.4	8.9	0.0	-5.2	-2.2	-13.2	1.4	8.9	0.0			
Viento +Y exc.-	-10.8	2.2					20.0	1.3	11.4	-0.0	-10.8	-2.1	-16.9	1.3	11.4	-0.0			
Viento -Y exc.+	5.2	-2.5					-15.9	-1.4	-8.9	-0.0	5.2	2.2	13.2	-1.4	-8.9	-0.0			
Viento -Y exc.-	10.8	-2.2					-20.0	-1.3	-11.4	0.0	10.8	2.1	16.9	-1.3	-11.4	0.0			
P. séptima +28.70	50x45	25.00/28.15					Peso propio	525.8	-35.4	-24.6	-21.3	-15.8	-0.0	508.4	31.6	25.3	-21.3	-15.8	-0.0
							Cargas muertas	425.0	-31.3	14.9	-17.9	8.7	0.0	425.0	25.1	-12.7	-17.9	8.7	0.0
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0					
			Sobrecarga de uso	268.3	-20.9	-7.7	-12.9	-4.4	-0.0	268.3	19.7	6.1	-12.9	-4.4	-0.0				
			Viento +X exc.+	11.2	13.5	0.1	9.9	0.1	-0.0	11.2	-17.8	-0.2	9.9	0.1	-0.0				
			Viento +X exc.-	11.9	13.7	-0.3	10.1	-0.2	0.0	11.9	-18.0	0.3	10.1	-0.2	0.0				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. sexta +25.10	50x45	21.40/24.55	Viento -X exc.+	-11.2	-13.5	-0.1	-9.9	-0.1	0.0	-11.2	17.8	0.2	-9.9	-0.1	0.0
				Viento -X exc.-	-11.9	-13.7	0.3	-10.1	0.2	0.0	-11.9	18.0	-0.3	-10.1	0.2	0.0
				Viento +Y exc.+	-22.2	3.4	24.8	2.6	16.3	0.0	-22.2	-4.7	-26.5	2.6	16.3	0.0
				Viento +Y exc.-	-32.6	0.3	31.8	0.3	21.3	-0.0	-32.6	-0.6	-35.3	0.3	21.3	-0.0
				Viento -Y exc.+	22.2	-3.4	-24.8	-2.6	-16.3	-0.0	22.2	4.7	26.5	-2.6	-16.3	-0.0
				Viento -Y exc.-	32.6	-0.3	-31.8	-0.3	-21.3	0.0	32.6	0.6	35.3	-0.3	-21.3	0.0
				Peso propio	792.5	-42.6	-22.8	-26.6	-14.8	0.0	775.1	41.0	23.8	-26.6	-14.8	0.0
				Cargas muertas	618.0	-41.7	14.5	-26.0	9.7	0.0	618.0	40.2	-15.9	-26.0	9.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	363.3	-23.7	-8.8	-14.8	-5.9	0.0	363.3	22.9	9.9	-14.8	-5.9	0.0
	P. quinta +21.50	50x50	17.80/20.95	Viento +X exc.+	7.6	19.3	0.1	13.5	0.1	-0.0	7.6	-23.0	-0.2	13.5	0.1	-0.0
				Viento +X exc.-	8.5	19.6	-0.3	13.6	-0.2	0.0	8.5	-23.3	0.3	13.6	-0.2	0.0
				Viento -X exc.+	-7.6	-19.3	-0.1	-13.5	-0.1	0.0	-7.6	23.0	0.2	-13.5	-0.1	0.0
				Viento -X exc.-	-8.5	-19.6	0.3	-13.6	0.2	0.0	-8.5	23.3	-0.3	-13.6	0.2	0.0
				Viento +Y exc.+	-40.9	7.0	20.8	4.9	13.6	0.1	-40.9	-8.4	-22.0	4.9	13.6	0.1
				Viento +Y exc.-	-56.4	2.7	28.3	1.9	18.9	-0.0	-56.4	-3.4	-31.2	1.9	18.9	-0.0
				Viento -Y exc.+	40.9	-7.0	-20.8	-4.9	-13.6	-0.1	40.9	8.4	22.0	-4.9	-13.6	-0.1
				Viento -Y exc.-	56.4	-2.7	-28.3	-1.9	-18.9	0.0	56.4	3.4	31.2	-1.9	-18.9	0.0
				Peso propio	1067.5	-31.7	-19.8	-23.0	-14.2	0.0	1048.2	40.9	25.1	-23.0	-14.2	0.0
				Cargas muertas	818.2	-29.0	19.8	-21.6	12.0	0.0	818.2	39.1	-18.1	-21.6	12.0	0.0
	P. cuarta +17.90	50x50	14.20/17.35	H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	461.3	-18.8	-8.0	-13.4	-5.6	0.0	461.3	23.3	9.5	-13.4	-5.6	0.0
				Viento +X exc.+	1.7	28.0	-0.2	18.2	-0.0	-0.0	1.7	-29.4	-0.2	18.2	-0.0	-0.0
				Viento +X exc.-	2.9	28.4	-0.8	18.5	-0.4	0.0	2.9	-29.8	0.5	18.5	-0.4	0.0
				Viento -X exc.+	-1.7	-28.0	0.2	-18.2	0.0	0.0	-1.7	29.4	0.2	-18.2	0.0	0.0
				Viento -X exc.-	-2.9	-28.4	0.8	-18.5	0.4	-0.0	-2.9	29.8	-0.5	-18.5	0.4	-0.0
				Viento +Y exc.+	-61.8	9.4	26.4	6.3	17.0	0.2	-61.8	-10.4	-27.0	6.3	17.0	0.2
				Viento +Y exc.-	-83.0	2.9	36.6	2.1	23.9	0.0	-83.0	-3.8	-38.6	2.1	23.9	0.0
				Viento -Y exc.+	61.8	-9.4	-26.4	-6.3	-17.0	-0.2	61.8	10.4	27.0	-6.3	-17.0	-0.2
				Viento -Y exc.-	83.0	-2.9	-36.6	-2.1	-23.9	-0.0	83.0	3.8	38.6	-2.1	-23.9	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.70	Peso propio	1715.5	-40.6	34.9	-50.2	0.2	-0.0	1694.1	115.0	34.3	-50.2	0.2	-0.0
				Cargas muertas	1329.1	-42.8	25.6	-52.0	8.4	-0.0	1329.1	118.4	-0.3	-52.0	8.4	-0.0
				H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	557.3	-47.0	-16.5	-24.2	-8.8	0.0	557.3	29.4	11.4	-24.2	-8.8	0.0
				Viento +X exc.+	-10.1	25.7	-0.1	18.6	0.1	-0.0	-10.1	-33.0	-0.3	18.6	0.1	-0.0
				Viento +X exc.-	-8.5	26.0	-0.6	18.8	-0.3	0.0	-8.5	-33.3	0.4	18.8	-0.3	0.0
				Viento -X exc.+	10.1	-25.7	0.1	-18.6	-0.1	0.0	10.1	33.0	0.3	-18.6	-0.1	0.0
				Viento -X exc.-	8.5	-26.0	0.6	-18.8	0.3	0.0	8.5	33.3	-0.4	-18.8	0.3	0.0
				Viento +Y exc.+	-84.8	12.6	22.2	7.8	14.3	0.2	-84.8	-11.9	-22.9	7.8	14.3	0.2
				Viento +Y exc.-	-111.4	7.2	32.0	4.0	20.9	0.0	-111.4	-5.5	-34.0	4.0	20.9	0.0
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -Y exc.+	84.8	-12.6	-22.2	-7.8	-14.3	-0.2	84.8	11.9	22.9	-7.8	-14.3	-0.2
				Viento -Y exc.-	111.4	-7.2	-32.0	-4.0	-20.9	-0.0	111.4	5.5	34.0	-4.0	-20.9	-0.0
				Peso propio	2130.1	7.8	-45.5	6.2	-5.8	0.0	2095.4	-23.4	-16.2	6.2	-5.8	0.0
				Cargas muertas	1483.5	7.5	-16.5	5.9	-1.5	0.0	1483.5	-22.2	-8.8	5.9	-1.5	0.0
				H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	793.0	3.2	-19.0	2.5	-4.7	0.0	793.0	-9.5	4.3	2.5	-4.7	0.0
				Viento +X exc.+	-15.5	10.3	2.4	6.7	1.2	-0.1	-15.5	-23.0	-3.6	6.7	1.2	-0.1
				Viento +X exc.-	-13.0	10.3	1.8	6.6	1.0	-0.0	-13.0	-22.9	-2.9	6.6	1.0	-0.0
				Viento -X exc.+	15.5	-10.3	-2.4	-6.7	-1.2	0.1	15.5	23.0	3.6	-6.7	-1.2	0.1
				Viento -X exc.-	13.0	-10.3	-1.8	-6.6	-1.0	0.0	13.0	22.9	2.9	-6.6	-1.0	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +Y exc.+	-121.9	0.1	17.1	-0.8	6.6	0.3	-121.9	4.2	-16.0	-0.8	6.6	0.3
				Viento +Y exc.-	-163.7	-0.0	26.4	-0.3	10.3	0.1	-163.7	1.5	-25.3	-0.3	10.3	0.1
				Viento -Y exc.+	121.9	-0.1	-17.1	0.8	-6.6	-0.3	121.9	-4.2	16.0	0.8	-6.6	-0.3
				Viento -Y exc.-	163.7	0.0	-26.4	0.3	-10.3	-0.1	163.7	-1.5	25.3	0.3	-10.3	-0.1
				Peso propio	2308.1	-3.7	-9.7	-2.2	-14.8	0.0	2273.4	7.2	64.3	-2.2	-14.8	0.0
				Cargas muertas	1540.0	-3.3	-6.4	-2.0	-6.6	0.0	1540.0	6.8	26.4	-2.0	-6.6	0.0
				H 1	0.1	-0.1	0.0	-0.0	0.0	0.0	0.1	0.1	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	842.4	-1.7	-6.2	-0.9	-5.5	0.0	842.4	3.0	21.3	-0.9	-5.5	0.0
				Viento +X exc.+	-16.7	20.4	3.5	1.9	0.8	-0.0	-16.7	10.8	-0.5	1.9	0.8	-0.0
				Viento +X exc.-	-14.0	20.3	2.6	1.9	0.6	-0.0	-14.0	10.8	-0.4	1.9	0.6	-0.0
				Viento -X exc.+	16.7	-20.4	-3.5	-1.9	-0.8	0.0	16.7	-10.8	0.5	-1.9	-0.8	0.0
				Viento -X exc.-	14.0	-20.3	-2.6	-1.9	-0.6	0.0	14.0	-10.8	0.4	-1.9	-0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x80	-3.60/-0.57	Viento +Y exc.+	-129.5	-2.0	26.0	-0.4	5.8	0.2	-129.5	-0.0	-3.1	-0.4	5.8	0.2
				Viento +Y exc.-	-175.2	-0.6	38.2	-0.1	8.4	0.0	-175.2	-0.1	-3.8	-0.1	8.4	0.0
				Viento -Y exc.+	129.5	2.0	-26.0	0.4	-5.8	-0.2	129.5	0.0	3.1	0.4	-5.8	-0.2
				Viento -Y exc.-	175.2	0.6	-38.2	0.1	-8.4	-0.0	175.2	0.1	3.8	0.1	-8.4	-0.0
				Peso propio	2955.6	-3.7	116.8	-3.4	109.5	0.0	2919.9	6.5	-215.1	-3.4	109.5	0.0
				Cargas muertas	1728.2	-0.4	38.2	-0.3	35.9	0.0	1728.2	0.4	-70.5	-0.3	35.9	0.0
				H 1	0.2	-0.1	0.3	-0.1	0.3	0.0	0.2	0.1	-0.5	-0.1	0.3	0.0
				Sobrecarga de uso	989.4	-1.4	24.1	-1.2	22.5	0.0	989.4	2.4	-44.1	-1.2	22.5	0.0
				Viento +X exc.+	-16.0	-4.0	-0.3	-4.1	-0.6	0.0	-16.0	8.4	1.3	-4.1	-0.6	0.0
				Viento +X exc.-	-13.3	-4.0	-0.2	-4.1	-0.4	0.0	-13.3	8.4	1.0	-4.1	-0.4	0.0
				Viento -X exc.+	16.0	4.0	0.3	4.1	0.6	0.0	16.0	-8.4	-1.3	4.1	0.6	0.0
				Viento -X exc.-	13.3	4.0	0.2	4.1	0.4	0.0	13.3	-8.4	-1.0	4.1	0.4	0.0
				Viento +Y exc.+	-129.7	0.5	7.6	0.4	0.2	-0.0	-129.7	-0.7	7.0	0.4	0.2	-0.0
				Viento +Y exc.-	-175.3	0.1	6.2	0.0	-2.1	-0.0	-175.3	-0.0	12.5	0.0	-2.1	-0.0
				Viento -Y exc.+	129.7	-0.5	-7.6	-0.4	-0.2	0.0	129.7	0.7	-7.0	-0.4	-0.2	0.0
				Viento -Y exc.-	175.3	-0.1	-6.2	-0.0	2.1	0.0	175.3	0.0	-12.5	-0.0	2.1	0.0
P53	P. tercera +14.30	Diámetro 60	10.60/13.70	Peso propio	453.9	81.7	36.0	67.1	-4.8	-0.0	432.4	-126.2	50.9	67.1	-4.8	-0.0
				Cargas muertas	537.7	61.1	-12.1	52.3	-30.8	-0.0	537.7	-101.0	83.2	52.3	-30.8	-0.0
				H 1	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	194.6	37.7	1.0	31.8	-5.6	0.0	194.6	-60.9	18.2	31.8	-5.6	0.0
				Viento +X exc.+	30.3	41.7	0.7	24.5	0.3	-0.0	30.3	-34.2	-0.3	24.5	0.3	-0.0
				Viento +X exc.-	31.1	42.4	-0.1	24.9	-0.1	-0.0	31.1	-34.7	0.2	24.9	-0.1	-0.0
				Viento -X exc.+	-30.3	-41.7	-0.7	-24.5	-0.3	0.0	-30.3	34.2	0.3	-24.5	-0.3	0.0
				Viento -X exc.-	-31.1	-42.4	0.1	-24.9	0.1	0.0	-31.1	34.7	-0.2	-24.9	0.1	0.0
				Viento +Y exc.+	-18.1	6.3	48.5	1.9	24.8	0.3	-18.1	0.5	-28.2	1.9	24.8	0.3
				Viento +Y exc.-	-32.3	-5.2	61.8	-4.4	31.5	0.1	-32.3	8.6	-35.9	-4.4	31.5	0.1
				Viento -Y exc.+	18.1	-6.3	-48.5	-1.9	-24.8	-0.3	18.1	-0.5	28.2	-1.9	-24.8	-0.3
				Viento -Y exc.-	32.3	5.2	-61.8	4.4	-31.5	-0.1	32.3	-8.6	35.9	4.4	-31.5	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	868.0	-6.4	-42.7	-4.6	-1.6	0.0	833.3	16.4	-34.8	-4.6	-1.6	0.0
				Cargas muertas	688.3	-4.9	-9.4	-4.3	4.9	0.0	688.3	16.6	-34.0	-4.3	4.9	0.0
				H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	294.0	-3.6	-15.8	-2.7	-2.5	0.0	294.0	9.8	-3.2	-2.7	-2.5	0.0
				Viento +X exc.+	27.5	9.3	1.8	5.8	0.8	-0.1	27.5	-19.9	-2.3	5.8	0.8	-0.1
				Viento +X exc.-	28.6	9.3	1.5	5.8	0.7	-0.0	28.6	-19.7	-2.0	5.8	0.7	-0.0
				Viento -X exc.+	-27.5	-9.3	-1.8	-5.8	-0.8	0.1	-27.5	19.9	2.3	-5.8	-0.8	0.1
				Viento -X exc.-	-28.6	-9.3	-1.5	-5.8	-0.7	0.0	-28.6	19.7	2.0	-5.8	-0.7	0.0
				Viento +Y exc.+	-32.8	0.3	20.5	-0.6	7.9	0.3	-32.8	3.4	-18.8	-0.6	7.9	0.3
				Viento +Y exc.-	-50.8	0.5	26.5	0.2	10.2	0.1	-50.8	-0.3	-24.4	0.2	10.2	0.1
				Viento -Y exc.+	32.8	-0.3	-20.5	0.6	-7.9	-0.3	32.8	-3.4	18.8	0.6	-7.9	-0.3
				Viento -Y exc.-	50.8	-0.5	-26.5	-0.2	-10.2	-0.1	50.8	0.3	24.4	-0.2	-10.2	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1043.7	6.9	-10.8	2.5	-16.7	0.0	1009.1	-5.8	72.6	2.5	-16.7	0.0
				Cargas muertas	742.3	1.1	-6.3	1.2	-8.0	0.0	742.3	-4.7	33.5	1.2	-8.0	0.0
				H 1	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	338.2	3.0	-5.9	1.3	-5.6	0.0	338.2	-3.3	22.0	1.3	-5.6	0.0
				Viento +X exc.+	26.0	20.8	2.5	2.2	0.7	-0.0	26.0	9.9	-0.9	2.2	0.7	-0.0
				Viento +X exc.-	27.3	20.7	2.0	2.2	0.6	-0.0	27.3	9.8	-0.8	2.2	0.6	-0.0
				Viento -X exc.+	-26.0	-20.8	-2.5	-2.2	-0.7	0.0	-26.0	-9.9	0.9	-2.2	-0.7	0.0
				Viento -X exc.-	-27.3	-20.7	-2.0	-2.2	-0.6	0.0	-27.3	-9.8	0.8	-2.2	-0.6	0.0
				Viento +Y exc.+	-42.8	-2.0	31.4	-0.4	6.9	0.2	-42.8	0.2	-3.2	-0.4	6.9	0.2
				Viento +Y exc.-	-63.6	-0.7	39.9	-0.2	8.8	0.0	-63.6	0.5	-3.9	-0.2	8.8	0.0
				Viento -Y exc.+	42.8	2.0	-31.4	0.4	-6.9	-0.2	42.8	-0.2	3.2	0.4	-6.9	-0.2
				Viento -Y exc.-	63.6	0.7	-39.9	0.2	-8.8	-0.0	63.6	-0.5	3.9	0.2	-8.8	-0.0
	P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	1757.3	8.0	131.3	7.4	123.4	0.0	1721.6	-14.4	-242.6	7.4	123.4	0.0
				Cargas muertas	1012.6	-6.2	56.9	-5.7	53.6	0.0	1012.6	11.0	-105.7	-5.7	53.6	0.0
				H 1	0.1	-0.1	0.2	-0.0	0.1	0.0	0.1	-0.0	-0.2	-0.0	0.1	0.0
				Sobrecarga de uso	498.6	3.1	26.7	2.9	25.0	0.0	498.6	-5.7	-49.0	2.9	25.0	0.0
				Viento +X exc.+	25.5	-4.3	-0.2	-4.3	-0.4	0.0	25.5	8.9	1.0	-4.3	-0.4	0.0
				Viento +X exc.-	26.8	-4.3	-0.2	-4.3	-0.3	0.0	26.8	8.8	0.8	-4.3	-0.3	0.0
				Viento -X exc.+	-25.5	4.3	0.2	4.3	0.4	0.0	-25.5	-8.9	-1.0	4.3	0.4	0.0
				Viento -X exc.-	-26.8	4.3	0.2	4.3	0.3	0.0	-26.8	-8.8	-0.8	4.3	0.3	0.0
				Viento +Y exc.+	-45.1	0.9	6.8	0.8	-0.5	-0.0	-45.1	-1.5	8.3	0.8	-0.5	-0.0
				Viento +Y exc.-	-66.5	0.6	6.3	0.5	-1.7	-0.0	-66.5	-0.9	11.5	0.5	-1.7	-0.0
				Viento -Y exc.+	45.1	-0.9	-6.8	-0.8	0.5	0.0	45.1	1.5	-8.3	-0.8	0.5	0.0
				Viento -Y exc.-	66.5	-0.6	-6.3	-0.5	1.7	0.0	66.5	0.9	-11.5	-0.5	1.7	0.0
P54	P. tercera +14.30	Diámetro 60	10.60/13.70	Peso propio	469.7	-78.1	35.0	-67.0	-5.2	-0.0	448.2	129.5	51.3	-67.0	-5.2	-0.0
				Cargas muertas	550.1	-61.9	-11.9	-53.9	-30.2	-0.0	550.1	105.2	81.6	-53.9	-30.2	-0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	198.8	-36.6	0.3	-31.6	-5.8	0.0	198.8	61.5	18.3	-31.6	-5.8	0.0
				Viento +X exc.+	-29.3	41.6	0.9	24.2	0.7	-0.0	-29.3	-33.6	-1.3	24.2	0.7	-0.0
				Viento +X exc.-	-29.4	42.1	0.4	24.5	0.5	-0.0	-29.4	-33.8	-1.0	24.5	0.5	-0.0
				Viento -X exc.+	29.3	-41.6	-0.9	-24.2	-0.7	0.0	29.3	33.6	1.3	-24.2	-0.7	0.0
				Viento -X exc.-	29.4	-42.1	-0.4	-24.5	-0.5	0.0	29.4	33.8	1.0	-24.5	-0.5	0.0
				Viento +Y exc.+	-36.1	17.0	54.9	10.2	28.1	0.3	-36.1	-14.5	-32.3	10.2	28.1	0.3
				Viento +Y exc.-	-33.4	7.9	62.6	5.7	32.0	0.1	-33.4	-9.8	-36.6	5.7	32.0	0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -Y exc.+	36.1	-17.0	-54.9	-10.2	-28.1	-0.3	36.1	14.5	32.3	-10.2	-28.1	-0.3
				Viento -Y exc.-	33.4	-7.9	-62.6	-5.7	-32.0	-0.1	33.4	9.8	36.6	-5.7	-32.0	-0.1
				Peso propio	869.2	8.6	-37.2	6.7	0.2	0.0	834.5	-24.7	-38.0	6.7	0.2	0.0
				Cargas muertas	696.7	6.1	-6.1	5.3	5.8	0.0	696.7	-20.3	-35.1	5.3	5.8	0.0
				H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	294.4	4.1	-12.7	3.2	-1.6	0.0	294.4	-11.7	-4.4	3.2	-1.6	0.0
				Viento +X exc.+	-28.9	9.6	-0.3	6.0	-0.1	-0.1	-28.9	-20.3	0.2	6.0	-0.1	-0.1
				Viento +X exc.-	-28.9	9.6	-0.4	5.9	-0.2	-0.0	-28.9	-20.2	0.4	5.9	-0.2	-0.0
				Viento -X exc.+	28.9	-9.6	0.3	-6.0	0.1	0.1	28.9	20.3	-0.2	-6.0	0.1	0.1
				Viento -X exc.-	28.9	-9.6	0.4	-5.9	0.2	0.0	28.9	20.2	-0.4	-5.9	0.2	0.0
				Viento +Y exc.+	-52.9	-0.1	24.1	-0.9	9.6	0.3	-52.9	4.6	-23.8	-0.9	9.6	0.3
				Viento +Y exc.-	-52.5	0.1	26.9	-0.2	10.6	0.1	-52.5	1.2	-26.1	-0.2	10.6	0.1
				Viento -Y exc.+	52.9	0.1	-24.1	0.9	-9.6	-0.3	52.9	-4.6	23.8	0.9	-9.6	-0.3
				Viento -Y exc.-	52.5	-0.1	-26.9	0.2	-10.6	-0.1	52.5	-1.2	26.1	0.2	-10.6	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1014.6	-4.7	12.0	-2.5	-9.0	0.0	979.9	7.8	57.2	-2.5	-9.0	0.0
				Cargas muertas	735.1	-0.2	3.3	-1.2	-4.5	0.0	735.1	5.7	25.8	-1.2	-4.5	0.0
				H 1	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	326.3	-2.7	0.2	-1.3	-3.2	0.0	326.3	3.7	16.3	-1.3	-3.2	0.0
				Viento +X exc.+	-28.6	20.4	0.9	2.1	0.2	-0.0	-28.6	10.0	0.1	2.1	0.2	-0.0
				Viento +X exc.-	-28.6	20.3	0.6	2.0	0.1	-0.0	-28.6	10.0	0.1	2.0	0.1	-0.0
				Viento -X exc.+	28.6	-20.4	-0.9	-2.1	-0.2	0.0	28.6	-10.0	-0.1	-2.1	-0.2	0.0
				Viento -X exc.-	28.6	-20.3	-0.6	-2.0	-0.1	0.0	28.6	-10.0	-0.1	-2.0	-0.1	0.0
				Viento +Y exc.+	-63.4	-1.8	34.6	-0.3	7.1	0.2	-63.4	-0.2	-1.1	-0.3	7.1	0.2
				Viento +Y exc.-	-64.2	-0.6	39.1	-0.1	8.1	0.0	-64.2	0.0	-1.3	-0.1	8.1	0.0
				Viento -Y exc.+	63.4	1.8	-34.6	0.3	-7.1	-0.2	63.4	0.2	1.1	0.3	-7.1	-0.2
				Viento -Y exc.-	64.2	0.6	-39.1	0.1	-8.1	-0.0	64.2	-0.0	1.3	0.1	-8.1	-0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	1719.7	-4.7	95.8	-4.3	87.6	0.0	1693.0	8.3	-169.7	-4.3	87.6	0.0
				Cargas muertas	1003.1	5.8	39.6	5.3	36.3	0.0	1003.1	-10.5	-70.5	5.3	36.3	0.0
				H 1	0.1	-0.1	0.1	-0.0	0.1	0.0	0.1	0.0	-0.1	-0.0	0.1	0.0
				Sobrecarga de uso	487.2	-2.4	19.5	-2.2	17.8	0.0	487.2	4.2	-34.5	-2.2	17.8	0.0
				Viento +X exc.+	-28.3	-4.1	-0.0	-4.1	-0.1	0.0	-28.3	8.2	0.2	-4.1	-0.1	0.0
				Viento +X exc.-	-28.2	-4.1	-0.0	-4.0	-0.1	0.0	-28.2	8.1	0.2	-4.0	-0.1	0.0
				Viento -X exc.+	28.3	4.1	0.0	4.1	0.1	0.0	28.3	-8.2	-0.2	4.1	0.1	0.0
				Viento -X exc.-	28.2	4.1	0.0	4.0	0.1	0.0	28.2	-8.1	-0.2	4.0	0.1	0.0
				Viento +Y exc.+	-65.4	0.6	-0.1	0.5	-2.9	-0.0	-65.4	-0.9	8.6	0.5	-2.9	-0.0
				Viento +Y exc.-	-66.6	0.3	-0.3	0.2	-3.3	-0.0	-66.6	-0.3	9.8	0.2	-3.3	-0.0
				Viento -Y exc.+	65.4	-0.6	0.1	-0.5	2.9	0.0	65.4	0.9	-8.6	-0.5	2.9	0.0
				Viento -Y exc.-	66.6	-0.3	0.3	-0.2	3.3	0.0	66.6	0.3	-9.8	-0.2	3.3	0.0
P55	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	268.5	40.5	-26.2	24.9	-13.9	0.0	252.5	-40.4	18.9	24.9	-13.9	0.0
				Cargas muertas	239.1	52.8	10.3	32.0	6.1	0.0	239.1	-51.3	-9.5	32.0	6.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	180.7	22.1	-18.1	12.5	-10.9	0.0	180.7	-18.5	17.3	12.5	-10.9	0.0
				Viento +X exc.+	-10.3	1.9	0.3	1.3	0.2	-0.0	-10.3	-2.4	-0.2	1.3	0.2	-0.0
				Viento +X exc.-	-10.4	1.9	0.2	1.4	0.1	0.0	-10.4	-2.5	-0.1	1.4	0.1	0.0
				Viento -X exc.+	10.3	-1.9	-0.3	-1.3	-0.2	0.0	10.3	2.4	0.2	-1.3	-0.2	0.0
				Viento -X exc.-	10.4	-1.9	-0.2	-1.4	-0.1	0.0	10.4	2.5	0.1	-1.4	-0.1	0.0
				Viento +Y exc.+	-10.8	-4.0	14.4	-2.3	8.4	0.0	-10.8	3.4	-13.0	-2.3	8.4	0.0
				Viento +Y exc.-	-9.0	-5.1	16.0	-3.0	9.3	-0.0	-9.0	4.5	-14.4	-3.0	9.3	-0.0
				Viento -Y exc.+	10.8	4.0	-14.4	2.3	-8.4	-0.0	10.8	-3.4	13.0	2.3	-8.4	-0.0
				Viento -Y exc.-	9.0	5.1	-16.0	3.0	-9.3	0.0	9.0	-4.5	14.4	3.0	-9.3	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	566.6	10.5	-21.5	4.5	-13.6	-0.0	548.7	-4.2	22.6	4.5	-13.6	-0.0
				Cargas muertas	432.7	17.4	5.9	8.2	3.3	0.0	432.7	-9.3	-4.8	8.2	3.3	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	274.4	11.5	-6.5	6.5	-3.3	-0.0	274.4	-9.6	4.3	6.5	-3.3	-0.0
				Viento +X exc.+	-8.3	5.8	0.6	5.1	0.4	-0.0	-8.3	-10.7	-0.6	5.1	0.4	-0.0
				Viento +X exc.-	-8.2	5.9	0.4	5.2	0.3	0.0	-8.2	-10.9	-0.5	5.2	0.3	0.0
				Viento -X exc.+	8.3	-5.8	-0.6	-5.1	-0.4	0.0	8.3	10.7	0.6	-5.1	-0.4	0.0
				Viento -X exc.-	8.2	-5.9	-0.4	-5.2	-0.3	0.0	8.2	10.9	0.5	-5.2	-0.3	0.0
				Viento +Y exc.+	-27.8	-0.9	18.5	0.1	13.5	0.0	-27.8	-1.4	-25.4	0.1	13.5	0.0
				Viento +Y exc.-	-28.4	-2.9	20.6	-1.4	14.8	-0.0	-28.4	1.7	-27.3	-1.4	14.8	-0.0
				Viento -Y exc.+	27.8	0.9	-18.5	-0.1	-13.5	-0.0	27.8	1.4	25.4	-0.1	-13.5	-0.0
				Viento -Y exc.-	28.4	2.9	-20.6	1.4	-14.8	0.0	28.4	-1.7	27.3	1.4	-14.8	0.0
	P. sexta +25.10	50x50	21.40/24.65	Peso propio	866.1	23.5	-26.4	14.0	-16.5	0.0	846.2	-22.1	27.1	14.0	-16.5	0.0
				Cargas muertas	628.7	32.7	7.7	19.8	5.1	0.0	628.7	-31.6	-8.8	19.8	5.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	367.9	17.0	-10.5	10.2	-6.9	0.0	367.9	-16.2	12.0	10.2	-6.9	0.0
				Viento +X exc.+	-3.5	11.0	0.6	8.1	0.4	-0.0	-3.5	-15.3	-0.7	8.1	0.4	-0.0
				Viento +X exc.-	-3.2	11.2	0.6	8.2	0.4	0.0	-3.2	-15.5	-0.7	8.2	0.4	0.0
				Viento -X exc.+	3.5	-11.0	-0.6	-8.1	-0.4	0.0	3.5	15.3	0.7	-8.1	-0.4	0.0
				Viento -X exc.-	3.2	-11.2	-0.6	-8.2	-0.4	-0.0	3.2	15.5	0.7	-8.2	-0.4	-0.0
				Viento +Y exc.+	-46.4	1.2	25.5	1.2	17.3	0.1	-46.4	-2.9	-30.8	1.2	17.3	0.1
				Viento +Y exc.-	-49.9	-2.1	27.1	-1.0	18.1	-0.0	-49.9	1.3	-31.8	-1.0	18.1	-0.0
				Viento -Y exc.+	46.4	-1.2	-25.5	-1.2	-17.3	-0.1	46.4	2.9	30.8	-1.2	-17.3	-0.1
				Viento -Y exc.-	49.9	2.1	-27.1	1.0	-18.1	0.0	49.9	-1.3	31.8	1.0	-18.1	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza							
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)		
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	1169.6	5.4	-18.3	6.6	-12.5	0.0	1149.7	-15.9	22.3	6.6	-12.5	0.0		
				Cargas muertas	829.9	12.6	9.7	11.2	5.4	0.0	829.9	-23.9	-8.0	11.2	5.4	0.0		
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0		
				Sobrecarga de uso	463.1	8.5	-7.8	6.8	-5.1	0.0	463.1	-13.5	8.7	6.8	-5.1	0.0	0.0	
				Viento +X exc.+	3.6	14.4	1.0	9.7	0.6	-0.0	3.6	-17.1	-0.9	9.7	0.6	-0.0	0.0	
				Viento +X exc.-	4.0	14.6	1.0	9.8	0.6	0.0	4.0	-17.4	-0.9	9.8	0.6	0.0	0.0	
				Viento -X exc.+	-3.6	-14.4	-1.0	-9.7	-0.6	0.0	-3.6	17.1	0.9	-9.7	-0.6	0.0	0.0	
				Viento -X exc.-	-4.0	-14.6	-1.0	-9.8	-0.6	-0.0	-4.0	17.4	0.9	-9.8	-0.6	-0.0	0.0	
				Viento +Y exc.+	-66.8	3.5	27.0	2.3	17.6	0.2	-66.8	-3.9	-30.3	2.3	17.6	0.2	0.0	0.0
				Viento +Y exc.-	-73.5	-0.6	28.4	-0.4	18.4	0.0	-73.5	0.7	-31.3	-0.4	18.4	0.0	0.0	0.0
				Viento -Y exc.+	66.8	-3.5	-27.0	-2.3	-17.6	-0.2	66.8	3.9	30.3	-2.3	-17.6	-0.2	0.0	0.0
				Viento -Y exc.-	73.5	0.6	-28.4	0.4	-18.4	-0.0	73.5	-0.7	31.3	0.4	-18.4	-0.0	0.0	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1471.6	86.6	-49.1	37.9	-24.4	0.0	1451.7	-36.6	30.2	37.9	-24.4	0.0	0.0	
				Cargas muertas	1028.7	96.4	-4.1	43.4	-0.2	0.0	1028.7	-44.7	-3.5	43.4	-0.2	0.0	0.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	
				Sobrecarga de uso	557.3	45.9	-15.8	21.2	-8.3	0.0	557.3	-22.9	11.2	21.2	-8.3	0.0	0.0	0.0
				Viento +X exc.+	15.7	18.6	0.2	12.3	0.3	-0.0	15.7	-21.2	-0.8	12.3	0.3	-0.0	0.0	0.0
				Viento +X exc.-	16.3	19.0	0.1	12.4	0.3	0.0	16.3	-21.5	-0.7	12.4	0.3	0.0	0.0	0.0
				Viento -X exc.+	-15.7	-18.6	-0.2	-12.3	-0.3	0.0	-15.7	21.2	0.8	-12.3	-0.3	0.0	0.0	0.0
				Viento -X exc.-	-16.3	-19.0	-0.1	-12.4	-0.3	0.0	-16.3	21.5	0.7	-12.4	-0.3	0.0	0.0	0.0
				Viento +Y exc.+	-87.8	1.5	31.1	1.6	19.4	0.2	-87.8	-3.8	-32.0	1.6	19.4	0.2	0.0	0.0
				Viento +Y exc.-	-98.5	-4.4	32.3	-1.8	19.9	0.0	-98.5	1.3	-32.5	-1.8	19.9	0.0	0.0	0.0
				Viento -Y exc.+	87.8	-1.5	-31.1	-1.6	-19.4	-0.2	87.8	3.8	32.0	-1.6	-19.4	-0.2	0.0	0.0
				Viento -Y exc.-	98.5	4.4	-32.3	1.8	-19.9	-0.0	98.5	-1.3	32.5	1.8	-19.9	-0.0	0.0	0.0
	P. tercera +14.30	Diámetro 60	10.60/13.70	Peso propio	1867.2	22.3	38.3	43.3	1.1	-0.0	1845.7	-111.8	34.8	43.3	1.1	-0.0	0.0	
				Cargas muertas	1354.7	43.4	26.0	56.2	8.7	-0.0	1354.7	-130.7	-0.9	56.2	8.7	-0.0	0.0	0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	704.4	17.8	0.4	25.0	-4.9	0.0	704.4	-59.7	15.4	25.0	-4.9	0.0	0.0	0.0
				Viento +X exc.+	22.9	33.2	0.8	20.9	0.2	-0.0	22.9	-31.5	0.3	20.9	0.2	-0.0	0.0	0.0
				Viento +X exc.-	23.7	33.7	0.6	21.1	0.1	-0.0	23.7	-31.8	0.4	21.1	0.1	-0.0	0.0	0.0
				Viento -X exc.+	-22.9	-33.2	-0.8	-20.9	-0.2	0.0	-22.9	31.5	-0.3	-20.9	-0.2	0.0	0.0	0.0
				Viento -X exc.-	-23.7	-33.7	-0.6	-21.1	-0.1	0.0	-23.7	31.8	-0.4	-21.1	-0.1	0.0	0.0	0.0
				Viento +Y exc.+	-120.9	7.1	58.9	1.7	33.9	0.3	-120.9	1.9	-46.0	1.7	33.9	0.3	0.0	0.0
				Viento +Y exc.-	-134.7	-1.5	61.6	-2.8	35.2	0.1	-134.7	7.2	-47.6	-2.8	35.2	0.1	0.0	0.0
				Viento -Y exc.+	120.9	-7.1	-58.9	-1.7	-33.9	-0.3	120.9	-1.9	46.0	-1.7	-33.9	-0.3	0.0	0.0
				Viento -Y exc.-	134.7	1.5	-61.6	2.8	-35.2	-0.1	134.7	-7.2	47.6	2.8	-35.2	-0.1	0.0	0.0
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	2280.7	-12.4	-35.4	-9.4	-1.7	0.0	2246.0	34.6	-26.8	-9.4	-1.7	0.0	0.0		
			Cargas muertas	1497.4	-9.1	-11.4	-7.1	0.2	0.0	1497.4	26.4	-12.4	-7.1	0.2	0.0	0.0	0.0	
			H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0		
			Sobrecarga de uso	799.6	-4.9	-14.0	-3.8	-2.9	0.0	799.6	13.9	0.4	-3.8	-2.9	0.0	0.0	0.0	
			Viento +X exc.+	25.5	9.7	-0.6	6.1	-0.3	-0.1	25.5	-20.9	0.6	6.1	-0.3	-0.1	0.0	0.0	
			Viento +X exc.-	26.4	9.8	-0.6	6.1	-0.2	-0.0	26.4	-20.8	0.6	6.1	-0.2	-0.0	0.0	0.0	
			Viento -X exc.+	-25.5	-9.7	0.6	-6.1	0.3	0.1	-25.5	20.9	-0.6	-6.1	0.3	0.1	0.0	0.0	
			Viento -X exc.-	-26.4	-9.8	0.6	-6.1	0.2	0.0	-26.4	20.8	-0.6	-6.1	0.2	0.0	0.0	0.0	
			Viento +Y exc.+	-138.6	0.7	33.0	-0.3	13.0	0.3	-138.6	2.1	-32.0	-0.3	13.0	0.3	0.0	0.0	
			Viento +Y exc.-	-152.8	0.8	33.0	0.4	12.9	0.1	-152.8	-1.1	-31.5	0.4	12.9	0.1	0.0	0.0	
			Viento -Y exc.+	138.6	-0.7	-33.0	0.3	-13.0	-0.3	138.6	-2.1	32.0	0.3	-13.0	-0.3	0.0	0.0	
			Viento -Y exc.-	152.8	-0.8	-33.0	-0.4	-12.9	-0.1	152.8	1.1	31.5	-0.4	-12.9	-0.1	0.0	0.0	
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	2423.1	8.9	20.8	4.0	-4.7	0.0	2388.4	-10.9	44.2	4.0	-4.7	0.0	0.0		
			Cargas muertas	1536.4	5.5	4.5	2.7	-2.6	0.0	1536.4	-8.1	17.5	2.7	-2.6	0.0	0.0	0.0	
			H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0	0.0	0.0		
			Sobrecarga de uso	833.3	3.0	3.2	1.5	-2.0	0.0	833.3	-4.3	13.4	1.5	-2.0	0.0	0.0	0.0	
			Viento +X exc.+	26.2	20.3	-0.2	2.0	-0.1	-0.0	26.2	10.2	0.1	2.0	-0.1	-0.0	0.0	0.0	
			Viento +X exc.-	27.0	20.2	-0.3	2.0	-0.1	-0.0	27.0	10.2	0.2	2.0	-0.1	-0.0	0.0	0.0	
			Viento -X exc.+	-26.2	-20.3	0.2	-2.0	0.1	0.0	-26.2	-10.2	-0.1	-2.0	0.1	0.0	0.0	0.0	
			Viento -X exc.-	-27.0	-20.2	0.3	-2.0	0.1	0.0	-27.0	-10.2	-0.2	-2.0	0.1	0.0	0.0	0.0	
			Viento +Y exc.+	-154.5	-2.1	41.6	-0.5	9.3	0.2	-154.5	0.6	-4.8	-0.5	9.3	0.2	0.0	0.0	
			Viento +Y exc.-	-168.7	-0.9	42.5	-0.3	9.5	0.0	-168.7	0.7	-5.1	-0.3	9.5	0.0	0.0	0.0	
			Viento -Y exc.+	154.5	2.1	-41.6	0.5	-9.3	-0.2	154.5	-0.6	4.8	0.5	-9.3	-0.2	0.0	0.0	
			Viento -Y exc.-	168.7	0.9	-42.5	0.3	-9.5	-0.0	168.7	-0.7	5.1	0.3	-9.5	-0.0	0.0	0.0	
P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	3162.2	4.1	98.4	3.9	90.0	0.0	3135.4	-7.6	-174.4	3.9	90.0	0.0	0.0		
			Cargas muertas	1764.6	1.6	30.9	1.5	28.3	0.0	1764.6	-3.1	-54.9	1.5	28.3	0.0	0.0	0.0	
			H 1	0.3	-0.1	0.2	-0.0	0.2	0.0	0.3	0.0	-0.3	-0.0	0.2	0.0	0.0	0.0	
			Sobrecarga de uso	1014.0	1.0	22.6	0.9	20.7	0.0	1014.0	-1.8	-40.0	0.9	20.7	0.0	0.0	0.0	0.0
			Viento +X exc.+	26.0	-4.1	0.1	-4.1	0.0	0.0	26.0	8.2	0.0	-4.1	0.0	0.0	0.0	0.0	
			Viento +X exc.-	26.8	-4.1	0.0	-4.0	0.0	0.0	26.8	8.2	0.0	-4.0	0.0	0.0	0.0	0.0	
			Viento -X exc.+	-26.0	4.1	-0.1	4.1	-0.0	0.0	-26.0	-8.2	-0.0	4.1	-0.0	0.0	0.0	0.0	
			Viento -X exc.-	-26.8	4.1	-0.0	4.0	-0.0	0.0	-26.8	-8.2	-0.0	4.0	-0.0	0.0	0.0	0.0	
			Viento +Y exc.+	-157.1	0.8	-1.4	0.7	-4.0	-0.0	-157.1	-1.3	10.8	0.7	-4.0	-0.0	0.0	0.0	
			Viento +Y exc.-	-171.2	0.5	-1.0	0.4	-3.9	-0.0	-171.2	-0.7	10.8	0.4	-3.9	-0.0	0.0	0.0	
			Viento -Y exc.+	157.1	-0.8	1.4	-0.7	4.0	0.0	157.1	1.3	-10.8	-0.7	4.0	0.0	0.0	0.0	
			Viento -Y exc.-	171.2	-0.5	1.0	-0.4	3.9	0.0	171.2	0.7	-10.8	-0.4	3.9	0.0	0.0	0.0	
P56	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	231.0	-1.0	-23.5	-0.2	-12.0	0.0	215.1	-0.2	15.4	-0.2	-12.0	0.0		
				Cargas muertas	178.3	-3.3	5.8	-1.7	4.7	0.0	178.3	2.1	-9.6	-1.7	4.7	0.0		





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	180.2	-0.8	-12.6	-0.1	-7.9	0.0	180.2	-0.4	13.1	-0.1	-7.9	0.0
				Viento +X exc.+	0.1	5.7	0.2	3.6	0.1	-0.0	0.1	-5.9	-0.1	3.6	0.1	-0.0
				Viento +X exc.-	0.1	5.8	0.1	3.6	0.1	0.0	0.1	-6.0	-0.1	3.6	0.1	0.0
				Viento -X exc.+	-0.1	-5.7	-0.2	-3.6	-0.1	0.0	-0.1	5.9	0.1	-3.6	-0.1	0.0
				Viento -X exc.-	-0.1	-5.8	-0.1	-3.6	-0.1	0.0	-0.1	6.0	0.1	-3.6	-0.1	0.0
				Viento +Y exc.+	-4.6	0.9	16.7	0.6	9.4	0.0	-4.6	-1.0	-13.8	0.6	9.4	0.0
				Viento +Y exc.-	-5.0	-0.4	17.9	-0.2	10.0	-0.0	-5.0	0.4	-14.5	-0.2	10.0	-0.0
				Viento -Y exc.+	4.6	-0.9	-16.7	-0.6	-9.4	-0.0	4.6	1.0	13.8	-0.6	-9.4	-0.0
				Viento -Y exc.-	5.0	0.4	-17.9	0.2	-10.0	0.0	5.0	-0.4	14.5	0.2	-10.0	0.0
P. séptima +28.70	50x45	25.00/28.25		Peso propio	445.1	-2.9	-36.0	-1.8	-23.1	-0.0	427.2	2.9	39.2	-1.8	-23.1	-0.0
				Cargas muertas	334.3	-4.4	0.0	-2.6	-0.4	0.0	334.3	4.2	1.5	-2.6	-0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	244.6	-2.8	-12.6	-1.8	-7.7	-0.0	244.6	3.2	12.5	-1.8	-7.7	-0.0
				Viento +X exc.+	-0.6	6.8	0.6	5.4	0.4	-0.0	-0.6	-10.9	-0.6	5.4	0.4	-0.0
				Viento +X exc.-	-0.5	6.9	0.5	5.5	0.3	0.0	-0.5	-11.0	-0.6	5.5	0.3	0.0
				Viento -X exc.+	0.6	-6.8	-0.6	-5.4	-0.4	0.0	0.6	10.9	0.6	-5.4	-0.4	0.0
				Viento -X exc.-	0.5	-6.9	-0.5	-5.5	-0.3	0.0	0.5	11.0	0.6	-5.5	-0.3	0.0
				Viento +Y exc.+	-19.5	1.5	22.9	1.4	15.9	0.0	-19.5	-3.2	-28.7	1.4	15.9	0.0
				Viento +Y exc.-	-20.4	-0.3	24.3	0.1	16.4	-0.0	-20.4	-0.5	-29.1	0.1	16.4	-0.0
P. sexta +25.10	50x45	21.40/24.65		Viento -Y exc.+	19.5	-1.5	-22.9	-1.4	-15.9	-0.0	19.5	3.2	28.7	-1.4	-15.9	-0.0
				Viento -Y exc.-	20.4	0.3	-24.3	-0.1	-16.4	0.0	20.4	0.5	29.1	-0.1	-16.4	0.0
				Peso propio	659.0	-2.7	-30.5	-1.6	-19.0	0.0	641.1	2.4	31.4	-1.6	-19.0	0.0
				Cargas muertas	489.9	-4.5	1.0	-2.7	0.8	0.0	489.9	4.3	-1.5	-2.7	0.8	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	308.9	-2.4	-11.5	-1.4	-7.4	0.0	308.9	2.2	12.4	-1.4	-7.4	0.0
				Viento +X exc.+	-1.5	11.1	0.5	8.1	0.3	-0.0	-1.5	-15.3	-0.5	8.1	0.3	-0.0
				Viento +X exc.-	-1.5	11.3	0.5	8.3	0.3	0.0	-1.5	-15.5	-0.6	8.3	0.3	0.0
				Viento -X exc.+	1.5	-11.1	-0.5	-8.1	-0.3	0.0	1.5	15.3	0.5	-8.1	-0.3	0.0
				Viento -X exc.-	1.5	-11.3	-0.5	-8.3	-0.3	0.0	1.5	15.5	0.6	-8.3	-0.3	0.0
P. quinta +21.50	50x50	17.80/21.05		Viento +Y exc.+	-37.4	3.8	25.8	2.9	17.7	0.1	-37.4	-5.5	-31.7	2.9	17.7	0.1
				Viento +Y exc.-	-38.2	1.1	25.7	0.9	17.3	-0.0	-38.2	-1.9	-30.6	0.9	17.3	-0.0
				Viento -Y exc.+	37.4	-3.8	-25.8	-2.9	-17.7	-0.1	37.4	5.5	31.7	-2.9	-17.7	-0.1
				Viento -Y exc.-	38.2	-1.1	-25.7	-0.9	-17.3	0.0	38.2	1.9	30.6	-0.9	-17.3	0.0
				Peso propio	874.6	-2.6	-31.3	-1.7	-20.7	0.0	854.7	2.9	35.9	-1.7	-20.7	0.0
				Cargas muertas	645.2	-4.0	0.8	-2.7	0.5	0.0	645.2	4.6	-0.8	-2.7	0.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	373.0	-2.3	-12.3	-1.5	-7.9	0.0	373.0	2.5	13.5	-1.5	-7.9	0.0
				Viento +X exc.+	-2.8	13.3	0.9	9.3	0.6	-0.0	-2.8	-17.0	-0.9	9.3	0.6	-0.0
				Viento +X exc.-	-2.8	13.5	0.9	9.5	0.6	0.0	-2.8	-17.3	-0.9	9.5	0.6	0.0
P. cuarta +17.90	50x50	14.20/17.45		Viento -X exc.+	2.8	-13.3	-0.9	-9.3	-0.6	0.0	2.8	17.0	0.9	-9.3	-0.6	0.0
				Viento -X exc.-	2.8	-13.5	-0.9	-9.5	-0.6	-0.0	2.8	17.3	0.9	-9.5	-0.6	-0.0
				Viento +Y exc.+	-58.8	4.9	32.0	3.4	21.6	0.2	-58.8	-6.1	-38.1	3.4	21.6	0.2
				Viento +Y exc.-	-58.9	1.5	31.7	1.1	21.1	0.0	-58.9	-2.0	-36.7	1.1	21.1	0.0
				Viento -Y exc.+	58.8	-4.9	-32.0	-3.4	-21.6	-0.2	58.8	6.1	38.1	-3.4	-21.6	-0.2
				Viento -Y exc.-	58.9	-1.5	-31.7	-1.1	-21.1	-0.0	58.9	2.0	36.7	-1.1	-21.1	-0.0
				Peso propio	1090.6	-2.3	-47.4	-1.6	-25.6	0.0	1070.7	2.9	35.9	-1.6	-25.6	0.0
				Cargas muertas	801.2	-4.7	1.7	-2.8	0.6	0.0	801.2	4.5	-0.4	-2.8	0.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	437.3	-2.4	-15.1	-1.5	-8.6	0.0	437.3	2.4	12.9	-1.5	-8.6	0.0
P. tercera +14.30	Diámetro 60	10.60/13.85		Viento +X exc.+	-4.5	16.8	0.6	11.1	0.4	-0.0	-4.5	-19.2	-0.7	11.1	0.4	-0.0
				Viento +X exc.-	-4.6	17.1	0.7	11.2	0.5	0.0	-4.6	-19.4	-0.8	11.2	0.5	0.0
				Viento -X exc.+	4.5	-16.8	-0.6	-11.1	-0.4	0.0	4.5	19.2	0.7	-11.1	-0.4	0.0
				Viento -X exc.-	4.6	-17.1	-0.7	-11.2	-0.5	0.0	4.6	19.4	0.8	-11.2	-0.5	0.0
				Viento +Y exc.+	-82.8	6.8	39.8	4.1	24.3	0.2	-82.8	-6.6	-39.1	4.1	24.3	0.2
				Viento +Y exc.-	-81.7	2.0	38.2	1.4	23.1	0.0	-81.7	-2.5	-36.8	1.4	23.1	0.0
				Viento -Y exc.+	82.8	-6.8	-39.8	-4.1	-24.3	-0.2	82.8	6.6	39.1	-4.1	-24.3	-0.2
				Viento -Y exc.-	81.7	-2.0	-38.2	-1.4	-23.1	-0.0	81.7	2.5	36.8	-1.4	-23.1	-0.0
				Peso propio	1308.7	7.1	51.7	2.3	10.5	-0.0	1286.1	-0.4	17.5	2.3	10.5	-0.0
				Cargas muertas	952.9	1.5	34.4	-0.7	15.5	-0.0	952.9	3.8	-15.9	-0.7	15.5	-0.0
P. segunda +10.70	Diámetro 60	5.25/10.25		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	500.7	1.3	3.7	-0.0	-2.0	0.0	500.7	1.4	10.3	-0.0	-2.0	0.0
				Viento +X exc.+	-6.4	34.1	1.2	19.6	0.4	-0.0	-6.4	-29.6	0.0	19.6	0.4	-0.0
				Viento +X exc.-	-6.5	34.5	1.3	19.8	0.4	-0.0	-6.5	-29.8	-0.1	19.8	0.4	-0.0
				Viento -X exc.+	6.4	-34.1	-1.2	-19.6	-0.4	0.0	6.4	29.6	-0.0	-19.6	-0.4	0.0
				Viento -X exc.-	6.5	-34.5	-1.3	-19.8	-0.4	0.0	6.5	29.8	0.1	-19.8	-0.4	0.0
				Viento +Y exc.+	-112.5	9.6	65.2	4.5	37.0	0.3	-112.5	-5.0	-55.1	4.5	37.0	0.3
				Viento +Y exc.-	-109.8	1.4	62.9	0.7	35.5	0.1	-109.8	-0.9	-52.4	0.7	35.5	0.1
				Viento -Y exc.+	112.5	-9.6	-65.2	-4.5	-37.0	-0.3	112.5	5.0	55.1	-4.5	-37.0	-0.3
				Viento -Y exc.-	109.8	-1.4	-62.9	-0.7	-35.5	-0.1	109.8	0.9	52.4	-0.7	-35.5	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25		Peso propio	1729.2	1.9	-62.7	1.9	-9.0	0.0	1694.6	-7.4	-17.9	1.9	-9.0	0.0
				Cargas muertas	1107.5	1.2	-25.1	1.0	-3.7	0.0	1107.5	-3.9	-6.6	1.0	-3.7	0.0
				H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	599.7	0.5	-23.7	0.5	-5.7	0.0	599.7	-2.0	4.7	0.5	-5.7	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-6.4	10.7	-1.3	6.9	-0.6	-0.1	-6.4	-23.7	1.9	6.9	-0.6	-0.1
				Viento +X exc.-	-6.6	10.7	-1.0	6.9	-0.5	-0.0	-6.6	-23.6	1.6	6.9	-0.5	-0.0
				Viento -X exc.+	6.4	-10.7	1.3	-6.9	0.6	0.1	6.4	23.7	-1.9	-6.9	0.6	0.1
				Viento -X exc.-	6.6	-10.7	1.0	-6.9	0.5	0.0	6.6	23.6	-1.6	-6.9	0.5	0.0
				Viento +Y exc.+	-133.7	0.4	38.9	-0.5	15.5	0.3	-133.7	3.1	-38.5	-0.5	15.5	0.3
				Viento +Y exc.-	-129.9	0.4	35.8	-0.0	14.1	0.1	-129.9	0.4	-34.9	-0.0	14.1	0.1
				Viento -Y exc.+	133.7	-0.4	-38.9	0.5	-15.5	-0.3	133.7	-3.1	38.5	0.5	-15.5	-0.3
				Viento -Y exc.-	129.9	-0.4	-35.8	0.0	-14.1	-0.1	129.9	-0.4	34.9	0.0	-14.1	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1962.3	0.2	-3.3	-0.4	-16.8	0.0	1927.6	2.4	80.7	-0.4	-16.8	0.0
				Cargas muertas	1189.4	-0.2	-5.9	-0.3	-8.1	0.0	1189.4	1.4	34.4	-0.3	-8.1	0.0
				H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	0.1	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	663.5	-0.1	-4.3	-0.1	-5.9	0.0	663.5	0.7	25.1	-0.1	-5.9	0.0
				Viento +X exc.+	-5.9	19.9	-1.2	1.8	-0.2	-0.0	-5.9	11.1	-0.1	1.8	-0.2	-0.0
				Viento +X exc.-	-6.2	19.8	-1.0	1.7	-0.2	-0.0	-6.2	11.1	-0.1	1.7	-0.2	-0.0
				Viento -X exc.+	5.9	-19.9	1.2	-1.8	0.2	0.0	5.9	-11.1	0.1	-1.8	0.2	0.0
				Viento -X exc.-	6.2	-19.8	1.0	-1.7	0.2	0.0	6.2	-11.1	0.1	-1.7	0.2	0.0
				Viento +Y exc.+	-154.5	-2.1	47.1	-0.5	10.5	0.2	-154.5	0.3	-5.4	-0.5	10.5	0.2
				Viento +Y exc.-	-149.4	-0.7	44.3	-0.2	10.0	0.0	-149.4	0.3	-5.6	-0.2	10.0	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Viento -Y exc.+	154.5	2.1	-47.1	0.5	-10.5	-0.2	154.5	-0.3	5.4	0.5	-10.5	-0.2
				Viento -Y exc.-	149.4	0.7	-44.3	0.2	-10.0	-0.0	149.4	-0.3	5.6	0.2	-10.0	-0.0
				Peso propio	2602.6	0.4	85.8	0.4	78.5	0.0	2575.8	-0.9	-151.9	0.4	78.5	0.0
				Cargas muertas	1375.5	0.2	26.8	0.2	24.5	0.0	1375.5	-0.5	-47.5	0.2	24.5	0.0
				H 1	0.4	-0.1	0.3	-0.0	0.2	0.0	0.4	0.0	-0.4	-0.0	0.2	0.0
				Sobrecarga de uso	817.0	0.1	19.5	0.1	17.8	0.0	817.0	-0.2	-34.4	0.1	17.8	0.0
				Viento +X exc.+	-5.7	-4.0	0.3	-4.0	0.3	0.0	-5.7	8.0	-0.5	-4.0	0.3	0.0
				Viento +X exc.-	-6.0	-4.0	0.3	-3.9	0.2	0.0	-6.0	8.0	-0.4	-3.9	0.2	0.0
				Viento -X exc.+	5.7	4.0	-0.3	4.0	-0.3	0.0	5.7	-8.0	0.5	4.0	-0.3	0.0
				Viento -X exc.-	6.0	4.0	-0.3	3.9	-0.2	0.0	6.0	-8.0	0.4	3.9	-0.2	0.0
				Viento +Y exc.+	-157.8	0.5	-2.4	0.5	-4.9	-0.0	-157.8	-0.9	12.5	0.5	-4.9	-0.0
				Viento +Y exc.-	-152.5	0.2	-1.4	0.2	-4.1	-0.0	-152.5	-0.3	11.2	0.2	-4.1	-0.0
	P. cubierta +32.30	50x40	28.60/31.85	Viento -Y exc.+	157.8	-0.5	2.4	-0.5	4.9	0.0	157.8	0.9	-12.5	-0.5	4.9	0.0
				Viento -Y exc.-	152.5	-0.2	1.4	-0.2	4.1	0.0	152.5	0.3	-11.2	-0.2	4.1	0.0
				Peso propio	238.3	0.4	-22.3	0.4	-12.4	0.0	222.4	-1.0	17.9	0.4	-12.4	0.0
				Cargas muertas	186.3	0.5	5.5	0.4	3.9	0.0	186.3	-0.8	-7.3	0.4	3.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	184.8	0.9	-13.3	0.6	-8.8	0.0	184.8	-0.9	15.4	0.6	-8.8	0.0
				Viento +X exc.+	-0.3	5.1	-0.1	3.3	-0.0	-0.0	-0.3	-5.5	-0.0	3.3	-0.0	-0.0
				Viento +X exc.-	-0.3	5.2	-0.1	3.3	-0.0	0.0	-0.3	-5.6	-0.0	3.3	-0.0	0.0
				Viento -X exc.+	0.3	-5.1	0.1	-3.3	0.0	0.0	0.3	5.5	0.0	-3.3	0.0	0.0
				Viento -X exc.-	0.3	-5.2	0.1	-3.3	0.0	0.0	0.3	5.6	0.0	-3.3	0.0	0.0
				Viento +Y exc.+	-6.4	-0.3	16.2	-0.1	9.5	0.0	-6.4	-0.1	-14.6	-0.1	9.5	0.0
				Viento +Y exc.-	-6.4	-1.5	16.7	-0.9	9.6	-0.0	-6.4	1.3	-14.6	-0.9	9.6	-0.0
	P. séptima +28.70	50x45	25.00/28.25	Viento -Y exc.+	6.4	0.3	-16.2	0.1	-9.5	-0.0	6.4	0.1	14.6	0.1	-9.5	-0.0
				Viento -Y exc.-	6.4	1.5	-16.7	0.9	-9.6	0.0	6.4	-1.3	14.6	0.9	-9.6	0.0
				Peso propio	450.1	-0.5	-29.6	-0.4	-18.8	-0.0	432.2	0.6	31.4	-0.4	-18.8	-0.0
				Cargas muertas	347.6	0.2	2.9	0.2	1.5	0.0	347.6	-0.3	-2.2	0.2	1.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	252.0	-0.0	-10.9	-0.1	-6.5	-0.0	252.0	0.2	10.2	-0.1	-6.5	-0.0
				Viento +X exc.+	-0.2	5.9	0.0	4.9	0.0	-0.0	-0.2	-10.1	-0.0	4.9	0.0	-0.0
				Viento +X exc.-	-0.3	6.0	0.0	5.0	0.0	0.0	-0.3	-10.2	-0.1	5.0	0.0	0.0
				Viento -X exc.+	0.2	-5.9	-0.0	-4.9	-0.0	0.0	0.2	10.1	0.0	-4.9	-0.0	0.0
				Viento -X exc.-	0.3	-6.0	-0.0	-5.0	-0.0	0.0	0.3	10.2	0.1	-5.0	-0.0	0.0
				Viento +Y exc.+	-20.6	0.0	20.6	0.6	14.8	0.0	-20.6	-1.9	-27.4	0.6	14.8	0.0
				Viento +Y exc.-	-20.4	-1.6	21.0	-0.7	14.5	-0.0	-20.4	0.7	-26.2	-0.7	14.5	-0.0
	P. sexta +25.10	50x45	21.40/24.65	Viento -Y exc.+	20.6	0.0	-20.6	-0.6	-14.8	-0.0	20.6	1.9	27.4	-0.6	-14.8	-0.0
				Viento -Y exc.-	20.4	1.6	-21.0	0.7	-14.5	0.0	20.4	-0.7	26.2	0.7	-14.5	0.0
				Peso propio	662.1	-0.0	-25.7	0.0	-16.0	0.0	644.1	-0.2	26.5	0.0	-16.0	0.0
				Cargas muertas	509.2	0.6	2.9	0.4	2.0	0.0	509.2	-0.6	-3.5	0.4	2.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	319.1	0.2	-10.5	0.2	-6.7	0.0	319.1	-0.4	11.4	0.2	-6.7	0.0
				Viento +X exc.+	-0.1	10.2	-0.1	7.6	-0.1	-0.0	-0.1	-14.4	0.1	7.6	-0.1	-0.0
				Viento +X exc.-	-0.2	10.4	-0.0	7.7	0.0	0.0	-0.2	-14.6	-0.1	7.7	0.0	0.0
				Viento -X exc.+	0.1	-10.2	0.1	-7.6	0.1	0.0	0.1	14.4	-0.1	-7.6	0.1	0.0
				Viento -X exc.-	0.2	-10.4	0.0	-7.7	-0.0	0.0	0.2	14.6	0.1	-7.7	-0.0	0.0
				Viento +Y exc.+	-37.7	2.2	25.2	1.9	17.7	0.1	-37.7	-3.9	-32.3	1.9	17.7	0.1
				Viento +Y exc.-	-36.6	-0.3	23.6	0.0	16.2	-0.0	-36.6	-0.4	-29.0	0.0	16.2	-0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -Y exc.+	37.7	-2.2	-25.2	-1.9	-17.7	-0.1	37.7	3.9	32.3	-1.9	-17.7	-0.1
				Viento -Y exc.-	36.6	0.3	-23.6	-0.0	-16.2	0.0	36.6	0.4	29.0	-0.0	-16.2	0.0
				Peso propio	875.9	0.0	-24.9	0.0	-16.8	0.0	856.0	-0.1	29.6	0.0	-16.8	0.0
				Cargas muertas	670.8	0.5	3.6	0.3	2.2	0.0	670.8	-0.6	-3.6	0.3	2.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	386.2	0.4	-10.7	0.2	-7.0	0.0	386.2	-0.4	12.0	0.2	-7.0	0.0
				Viento +X exc.+	0.0	12.1	-0.1	8.6	-0.0	-0.0	0.0	-16.0	0.0	8.6	-0.0	-0.0
				Viento +X exc.-	-0.1	12.3	0.1	8.8	0.1	0.0	-0.1	-16.2	-0.2	8.8	0.1	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
				Viento -X exc.+	-0.0	-12.1	0.1	-8.6	0.0	0.0	-0.0	16.0	-0.0	-8.6	0.0	0.0			
				Viento -X exc.-	0.1	-12.3	-0.1	-8.8	-0.1	-0.0	0.1	16.2	0.2	-8.8	-0.1	-0.0			
				Viento +Y exc.+	-58.4	2.7	30.3	2.1	21.0	0.2	-58.4	-4.0	-38.0	2.1	21.0	0.2			
				Viento +Y exc.-	-55.5	-0.4	28.3	-0.1	19.2	0.0	-55.5	-0.2	-34.2	-0.1	19.2	0.0			
				Viento -Y exc.+	58.4	-2.7	-30.3	-2.1	-21.0	-0.2	58.4	4.0	38.0	-2.1	-21.0	-0.2			
				Viento -Y exc.-	55.5	0.4	-28.3	0.1	-19.2	-0.0	55.5	0.2	34.2	0.1	-19.2	-0.0			
				P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1089.9	1.0	-43.5	0.3	-22.8	0.0	1070.0	0.1	30.7	0.3	-22.8	0.0
				Cargas muertas			832.6	1.8	3.0	0.7	1.7	0.0	832.6	-0.5	-2.4	0.7	1.7	0.0	
				H 1			0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0		
				Sobrecarga de uso			453.2	0.3	-14.1	0.1	-7.9	0.0	453.2	-0.1	11.6	0.1	-7.9	0.0	
	Viento +X exc.+	0.3	16.6	0.4			10.8	0.0	-0.0	0.3	-18.4	0.2	10.8	0.0	-0.0				
	Viento +X exc.-	0.0	16.9	0.6			10.9	0.2	0.0	0.0	-18.6	-0.1	10.9	0.2	0.0				
	Viento -X exc.+	-0.3	-16.6	-0.4			-10.8	-0.0	0.0	-0.3	18.4	-0.2	-10.8	-0.0	0.0				
	Viento -X exc.-	-0.0	-16.9	-0.6			-10.9	-0.2	0.0	-0.0	18.6	0.1	-10.9	-0.2	0.0				
	Viento +Y exc.+	-81.7	5.8	41.9			3.3	25.3	0.2	-81.7	-4.8	-40.3	3.3	25.3	0.2				
	Viento +Y exc.-	-76.5	1.1	37.4			0.6	22.4	0.0	-76.5	-0.9	-35.2	0.6	22.4	0.0				
	Viento -Y exc.+	81.7	-5.8	-41.9	-3.3	-25.3	-0.2	81.7	4.8	40.3	-3.3	-25.3	-0.2						
	Viento -Y exc.-	76.5	-1.1	-37.4	-0.6	-22.4	-0.0	76.5	0.9	35.2	-0.6	-22.4	-0.0						
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1312.7	-7.2	42.0	-3.4	6.3	-0.0	1290.1	3.8	21.4	-3.4	6.3	-0.0			
	Cargas muertas			990.6	-5.5	30.7	-2.3	13.7	-0.0	990.6	1.9	-13.8	-2.3	13.7	-0.0				
	H 1			0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0					
	Sobrecarga de uso			520.0	-0.0	-0.4	-0.1	-3.8	0.0	520.0	0.2	12.0	-0.1	-3.8	0.0				
	Viento +X exc.+			0.3	34.2	0.6	19.7	0.0	-0.0	0.3	-29.9	0.6	19.7	0.0	-0.0				
	Viento +X exc.-			-0.2	34.6	1.0	19.9	0.3	-0.0	-0.2	-30.2	0.2	19.9	0.3	-0.0				
	Viento -X exc.+			-0.3	-34.2	-0.6	-19.7	-0.0	0.0	-0.3	29.9	-0.6	-19.7	-0.0	0.0				
	Viento -X exc.-			0.2	-34.6	-1.0	-19.9	-0.3	0.0	0.2	30.2	-0.2	-19.9	-0.3	0.0				
	Viento +Y exc.+			-113.5	9.4	71.0	4.4	40.5	0.3	-113.5	-4.9	-60.7	4.4	40.5	0.3				
	Viento +Y exc.-			-104.7	1.3	63.7	0.6	36.1	0.1	-104.7	-0.8	-53.6	0.6	36.1	0.1				
	Viento -Y exc.+	113.5	-9.4	-71.0	-4.4	-40.5	-0.3	113.5	4.9	60.7	-4.4	-40.5	-0.3						
	Viento -Y exc.-	104.7	-1.3	-63.7	-0.6	-36.1	-0.1	104.7	0.8	53.6	-0.6	-36.1	-0.1						
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1741.6	-1.2	-55.5	-0.8	-7.7	0.0	1707.0	3.0	-16.8	-0.8	-7.7	0.0			
	Cargas muertas			1156.2	0.1	-22.8	-0.5	-3.3	0.0	1156.2	2.5	-6.3	-0.5	-3.3	0.0				
	H 1			0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0				
	Sobrecarga de uso			612.8	-0.1	-21.9	0.0	-5.6	0.0	612.8	-0.3	6.1	0.0	-5.6	0.0				
	Viento +X exc.+			-0.4	10.6	-2.4	6.9	-1.2	-0.1	-0.4	-23.6	3.7	6.9	-1.2	-0.1				
	Viento +X exc.-			-1.0	10.7	-2.0	6.8	-1.0	-0.0	-1.0	-23.5	3.2	6.8	-1.0	-0.0				
	Viento -X exc.+			0.4	-10.6	2.4	-6.9	1.2	0.1	0.4	23.6	-3.7	-6.9	1.2	0.1				
	Viento -X exc.-			1.0	-10.7	2.0	-6.8	1.0	0.0	1.0	23.5	-3.2	-6.8	1.0	0.0				
	Viento +Y exc.+			-137.4	0.4	44.1	-0.6	17.7	0.3	-137.4	3.2	-44.2	-0.6	17.7	0.3				
	Viento +Y exc.-			-125.6	0.3	37.7	-0.0	15.0	0.1	-125.6	0.4	-37.3	-0.0	15.0	0.1				
Viento -Y exc.+	137.4	-0.4	-44.1	0.6	-17.7	-0.3	137.4	-3.2	44.2	0.6	-17.7	-0.3							
Viento -Y exc.-	125.6	-0.3	-37.7	0.0	-15.0	-0.1	125.6	-0.4	37.3	0.0	-15.0	-0.1							
P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1943.7	2.5	8.1	0.8	-11.7	0.0	1909.0	-1.5	66.5	0.8	-11.7	0.0				
Cargas muertas			1224.2	-2.2	3.4	-0.4	-4.7	0.0	1224.2	-0.3	26.9	-0.4	-4.7	0.0					
H 1			0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.0					
Sobrecarga de uso			668.2	1.1	-2.2	0.3	-4.7	0.0	668.2	-0.2	21.3	0.3	-4.7	0.0					
Viento +X exc.+			0.7	19.9	-2.3	1.8	-0.5	-0.0	0.7	11.0	0.0	1.8	-0.5	-0.0					
Viento +X exc.-			-0.2	19.8	-1.8	1.8	-0.4	-0.0	-0.2	11.0	-0.0	1.8	-0.4	-0.0					
Viento -X exc.+			-0.7	-19.9	2.3	-1.8	0.5	0.0	-0.7	-11.0	-0.0	-1.8	0.5	0.0					
Viento -X exc.-			0.2	-19.8	1.8	-1.8	0.4	0.0	0.2	-11.0	0.0	-1.8	0.4	0.0					
Viento +Y exc.+			-160.3	-1.9	52.4	-0.4	11.6	0.2	-160.3	0.2	-5.7	-0.4	11.6	0.2					
Viento +Y exc.-			-145.5	-0.6	45.8	-0.2	10.2	0.0	-145.5	0.2	-5.4	-0.2	10.2	0.0					
Viento -Y exc.+	160.3	1.9	-52.4	0.4	-11.6	-0.2	160.3	-0.2	5.7	0.4	-11.6	-0.2							
Viento -Y exc.-	145.5	0.6	-45.8	0.2	-10.2	-0.0	145.5	-0.2	5.4	0.2	-10.2	-0.0							
P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2625.7	1.0	93.5	0.9	85.5	0.0	2598.9	-1.9	-165.7	0.9	85.5	0.0				
Cargas muertas			1477.5	-7.0	39.3	-6.4	36.1	0.0	1477.5	12.3	-69.9	-6.4	36.1	0.0					
H 1			0.4	-0.1	0.3	-0.0	0.3	0.0	0.4	-0.0	-0.5	-0.0	0.3	0.0					
Sobrecarga de uso			819.5	1.7	19.1	1.6	17.4	0.0	819.5	-3.1	-33.7	1.6	17.4	0.0					
Viento +X exc.+			0.8	-4.0	0.5	-3.9	0.5	0.0	0.8	8.0	-0.9	-3.9	0.5	0.0					
Viento +X exc.-			-0.1	-3.9	0.4	-3.9	0.4	0.0	-0.1	7.9	-0.7	-3.9	0.4	0.0					
Viento -X exc.+			-0.8	4.0	-0.5	3.9	-0.5	0.0	-0.8	-8.0	0.9	3.9	-0.5	0.0					
Viento -X exc.-			0.1	3.9	-0.4	3.9	-0.4	0.0	0.1	-7.9	0.7	3.9	-0.4	0.0					
Viento +Y exc.+			-163.6	0.8	-3.3	0.7	-5.7	-0.0	-163.6	-1.3	14.0	0.7	-5.7	-0.0					
Viento +Y exc.-			-148.4	0.5	-1.7	0.4	-4.4	-0.0	-148.4	-0.7	11.5	0.4	-4.4	-0.0					
Viento -Y exc.+	163.6	-0.8	3.3	-0.7	5.7	0.0	163.6	1.3	-14.0	-0.7	5.7	0.0							
Viento -Y exc.-	148.4	-0.5	1.7	-0.4	4.4	0.0	148.4	0.7	-11.5	-0.4	4.4	0.0							
P58	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	237.2	1.3	-22.6	1.0	-12.5	0.0	221.3	-1.8	18.0	1.0	-12.5	0.0			
Cargas muertas				185.6	0.4	5.3	0.3	3.8	0.0	185.6	-0.6	-7.2	0.3	3.8	0.0				
H 1				0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0				
Sobrecarga de uso				185.4	0.8	-13.5	0.5	-9.0	0.0	185.4	-0.9	15.6	0.5	-9.0	0.0				
Viento +X exc.+				0.1	5.1	-0.1	3.3	-0.1	-0.0	0.1	-5.5	0.1	3.3	-0.1	-0.0				
Viento +X exc.-				0.0	5.2	-0.1	3.3	-0.0	0.0	0.0	-5.6	0.0	3.3	-0.0	0.0				
Viento -X exc.+				-0.1	-5.1	0.1	-3.3	0.1	0.0	-0.1	5.5	-0.1	-3.3	0.1	0.0				
Viento -X exc.-				-0.0	-5.2	0.1	-3.3	0.0	0.0	-0.0	5.6	-0.0	-3.3	0.0	0.0				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. séptima +28.70	50x45	25.00/28.25		Viento +Y exc.+	-5.7	-0.1	16.1	0.0	9.5	0.0	-5.7	-0.3	-14.7	0.0	9.5	0.0
				Viento +Y exc.-	-5.5	-1.3	15.8	-0.7	9.1	-0.0	-5.5	1.1	-13.9	-0.7	9.1	-0.0
				Viento -Y exc.+	5.7	0.1	-16.1	-0.0	-9.5	-0.0	5.7	0.3	14.7	-0.0	-9.5	-0.0
				Viento -Y exc.-	5.5	1.3	-15.8	0.7	-9.1	0.0	5.5	-1.1	13.9	0.7	-9.1	0.0
				Peso propio	450.9	0.3	-30.5	0.1	-19.4	-0.0	432.9	-0.2	32.6	0.1	-19.4	-0.0
				Cargas muertas	347.1	0.4	2.6	0.3	1.4	0.0	347.1	-0.5	-1.9	0.3	1.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	253.0	-0.1	-11.2	-0.1	-6.7	-0.0	253.0	0.3	10.5	-0.1	-6.7	-0.0
				Viento +X exc.+	0.1	5.9	0.1	4.9	0.0	-0.0	0.1	-10.0	-0.1	4.9	0.0	-0.0
				Viento +X exc.-	0.0	6.0	0.1	5.0	0.1	0.0	0.0	-10.2	-0.2	5.0	0.1	0.0
				Viento -X exc.+	-0.1	-5.9	-0.1	-4.9	-0.0	0.0	-0.1	10.0	0.1	-4.9	-0.0	0.0
				Viento -X exc.-	0.0	-6.0	-0.1	-5.0	-0.1	0.0	0.0	10.2	0.2	-5.0	-0.1	0.0
				Viento +Y exc.+	-20.4	0.1	20.6	0.6	15.2	0.0	-20.4	-2.0	-28.6	0.6	15.2	0.0
				Viento +Y exc.-	-19.2	-1.5	20.0	-0.6	14.0	-0.0	-19.2	0.6	-25.7	-0.6	14.0	-0.0
				Viento -Y exc.+	20.4	-0.1	-20.6	-0.6	-15.2	-0.0	20.4	2.0	28.6	-0.6	-15.2	-0.0
				Viento -Y exc.-	19.2	1.5	-20.0	0.6	-14.0	0.0	19.2	-0.6	25.7	0.6	-14.0	0.0
P. sexta +25.10	50x45	21.40/24.65		Peso propio	664.5	0.7	-26.3	0.5	-16.4	0.0	646.5	-1.0	27.0	0.5	-16.4	0.0
				Cargas muertas	508.7	0.5	2.8	0.4	1.9	0.0	508.7	-0.6	-3.3	0.4	1.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	320.6	0.1	-10.7	0.1	-6.8	0.0	320.6	-0.3	11.6	0.1	-6.8	0.0
				Viento +X exc.+	0.1	10.1	-0.1	7.5	-0.1	-0.0	0.1	-14.3	0.1	7.5	-0.1	-0.0
				Viento +X exc.-	-0.1	10.3	0.1	7.6	0.1	0.0	-0.1	-14.5	-0.2	7.6	0.1	0.0
				Viento -X exc.+	-0.1	-10.1	0.1	-7.5	0.1	0.0	-0.1	14.3	-0.1	-7.5	0.1	0.0
				Viento -X exc.-	0.1	-10.3	-0.1	-7.6	-0.1	0.0	0.1	14.5	0.2	-7.6	-0.1	0.0
				Viento +Y exc.+	-38.7	2.3	26.6	1.9	18.9	0.1	-38.7	-4.0	-34.9	1.9	18.9	0.1
				Viento +Y exc.-	-35.4	-0.2	23.5	0.1	16.3	-0.0	-35.4	-0.6	-29.4	0.1	16.3	-0.0
				Viento -Y exc.+	38.7	-2.3	-26.6	-1.9	-18.9	-0.1	38.7	4.0	34.9	-1.9	-18.9	-0.1
				Viento -Y exc.-	35.4	0.2	-23.5	-0.1	-16.3	0.0	35.4	0.6	29.4	-0.1	-16.3	0.0
P. quinta +21.50	50x50	17.80/21.05		Peso propio	879.9	0.8	-25.7	0.5	-17.3	0.0	859.9	-0.9	30.4	0.5	-17.3	0.0
				Cargas muertas	670.3	0.8	3.5	0.4	2.1	0.0	670.3	-0.6	-3.4	0.4	2.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	388.0	0.2	-11.0	0.1	-7.2	0.0	388.0	-0.2	12.2	0.1	-7.2	0.0
				Viento +X exc.+	0.1	11.9	0.1	8.5	0.0	-0.0	0.1	-15.8	-0.0	8.5	0.0	-0.0
				Viento +X exc.-	-0.3	12.1	0.3	8.7	0.2	0.0	-0.3	-16.0	-0.4	8.7	0.2	0.0
				Viento -X exc.+	-0.1	-11.9	-0.1	-8.5	-0.0	0.0	-0.1	15.8	0.0	-8.5	-0.0	0.0
				Viento -X exc.-	0.3	-12.1	-0.3	-8.7	-0.2	-0.0	0.3	16.0	0.4	-8.7	-0.2	-0.0
				Viento +Y exc.+	-61.1	2.9	31.9	2.2	22.4	0.2	-61.1	-4.2	-40.9	2.2	22.4	0.2
				Viento +Y exc.-	-54.6	-0.2	28.0	0.1	19.2	0.0	-54.6	-0.4	-34.4	0.1	19.2	0.0
				Viento -Y exc.+	61.1	-2.9	-31.9	-2.2	-22.4	-0.2	61.1	4.2	40.9	-2.2	-22.4	-0.2
				Viento -Y exc.-	54.6	0.2	-28.0	-0.1	-19.2	-0.0	54.6	0.4	34.4	-0.1	-19.2	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Peso propio	1095.3	1.9	-43.7	0.8	-23.0	0.0	1075.4	-0.7	31.2	0.8	-23.0	0.0
				Cargas muertas	832.2	0.8	3.1	0.3	1.7	0.0	832.2	-0.3	-2.3	0.3	1.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	455.3	0.5	-14.1	0.2	-8.0	0.0	455.3	-0.1	11.8	0.2	-8.0	0.0
				Viento +X exc.+	0.1	16.7	0.2	10.8	-0.0	-0.0	0.1	-18.3	0.3	10.8	-0.0	-0.0
				Viento +X exc.-	-0.5	16.9	0.6	10.9	0.2	0.0	-0.5	-18.5	-0.2	10.9	0.2	0.0
				Viento -X exc.+	-0.1	-16.7	-0.2	-10.8	0.0	0.0	-0.1	18.3	-0.3	-10.8	0.0	0.0
				Viento -X exc.-	0.5	-16.9	-0.6	-10.9	-0.2	0.0	0.5	18.5	0.2	-10.9	-0.2	0.0
				Viento +Y exc.+	-86.7	5.7	45.6	3.2	27.6	0.2	-86.7	-4.9	-44.1	3.2	27.6	0.2
				Viento +Y exc.-	-76.1	0.9	38.1	0.6	22.8	0.0	-76.1	-1.0	-36.1	0.6	22.8	0.0
				Viento -Y exc.+	86.7	-5.7	-45.6	-3.2	-27.6	-0.2	86.7	4.9	44.1	-3.2	-27.6	-0.2
				Viento -Y exc.-	76.1	-0.9	-38.1	-0.6	-22.8	-0.0	76.1	1.0	36.1	-0.6	-22.8	-0.0
P. tercera +14.30	Diámetro 60	10.60/13.85		Peso propio	1319.2	-2.4	37.6	-1.0	4.2	-0.0	1296.6	0.8	24.0	-1.0	4.2	-0.0
				Cargas muertas	990.0	0.7	29.4	0.1	13.0	-0.0	990.0	0.3	-12.8	0.1	13.0	-0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	522.4	-1.0	-2.3	-0.5	-4.7	0.0	522.4	0.4	12.9	-0.5	-4.7	0.0
				Viento +X exc.+	0.4	34.9	0.7	20.1	-0.2	-0.0	0.4	-30.5	1.3	20.1	-0.2	-0.0
				Viento +X exc.-	-0.5	35.4	1.3	20.4	0.2	-0.0	-0.5	-30.8	0.6	20.4	0.2	-0.0
				Viento -X exc.+	-0.4	-34.9	-0.7	-20.1	0.2	0.0	-0.4	30.5	-1.3	-20.1	0.2	0.0
				Viento -X exc.-	0.5	-35.4	-1.3	-20.4	-0.2	0.0	0.5	30.8	-0.6	-20.4	-0.2	0.0
				Viento +Y exc.+	-121.2	9.7	76.8	4.5	44.1	0.3	-121.2	-4.8	-66.5	4.5	44.1	0.3
				Viento +Y exc.-	-104.7	1.4	64.3	0.6	36.7	0.1	-104.7	-0.6	-54.9	0.6	36.7	0.1
				Viento -Y exc.+	121.2	-9.7	-76.8	-4.5	-44.1	-0.3	121.2	4.8	66.5	-4.5	-44.1	-0.3
				Viento -Y exc.-	104.7	-1.4	-64.3	-0.6	-36.7	-0.1	104.7	0.6	54.9	-0.6	-36.7	-0.1
P. segunda +10.70	Diámetro 60	5.25/10.25		Peso propio	1779.6	0.7	-32.8	0.2	-1.2	0.0	1745.0	-0.3	-26.7	0.2	-1.2	0.0
				Cargas muertas	1173.4	-0.1	-11.9	0.2	-0.1	0.0	1173.4	-1.2	-11.3	0.2	-0.1	0.0
				H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	617.1	0.2	-14.2	-0.0	-3.5	0.0	617.1	0.3	3.2	-0.0	-3.5	0.0
				Viento +X exc.+	1.2	10.8	-3.2	7.0	-1.6	-0.1	1.2	-24.1	4.9	7.0	-1.6	-0.1
				Viento +X exc.-	0.0	10.8	-2.6	6.9	-1.3	-0.0	0.0	-23.9	4.1	6.9	-1.3	-0.0
				Viento -X exc.+	-1.2	-10.8	3.2	-7.0	1.6	0.1	-1.2	24.1	-4.9	-7.0	1.6	0.1
				Viento -X exc.-	-0.0	-10.8	2.6	-6.9	1.3	0.0	-0.0	23.9	-4.1	-6.9	1.3	0.0
				Viento +Y exc.+	-146.7	0.5	49.2	-0.5	19.8	0.3	-146.7	2.9	-49.8	-0.5	19.8	0.3
				Viento +Y exc.-	-125.7	0.4	39.5	0.1	15.8	0.1	-125.7	0.2	-39.5	0.1	15.8	0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	Diámetro 60	-0.10/4.90	Viento -Y exc.+	146.7	-0.5	-49.2	0.5	-19.8	-0.3	146.7	-2.9	49.8	0.5	-19.8	-0.3
				Viento -Y exc.-	125.7	-0.4	-39.5	-0.1	-15.8	-0.1	125.7	-0.2	39.5	-0.1	-15.8	-0.1
				Peso propio	1915.4	-2.1	21.8	-0.5	-3.7	0.0	1880.7	0.6	40.5	-0.5	-3.7	0.0
				Cargas muertas	1209.5	2.2	10.5	0.4	-0.8	0.0	1209.5	0.1	14.5	0.4	-0.8	0.0
				H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	0.1	-0.1	-0.0	0.0	0.0
				Sobrecarga de uso	649.5	-1.0	2.0	-0.2	-2.1	0.0	649.5	0.1	12.4	-0.2	-2.1	0.0
				Viento +X exc.+	2.5	19.8	-3.5	1.7	-0.7	-0.0	2.5	11.2	0.1	1.7	-0.7	-0.0
				Viento +X exc.-	1.0	19.7	-2.7	1.7	-0.5	-0.0	1.0	11.2	0.0	1.7	-0.5	-0.0
				Viento -X exc.+	-2.5	-19.8	3.5	-1.7	0.7	0.0	-2.5	-11.2	-0.1	-1.7	0.7	0.0
				Viento -X exc.-	-1.0	-19.7	2.7	-1.7	0.5	0.0	-1.0	-11.2	-0.0	-1.7	0.5	0.0
				Viento +Y exc.+	-171.3	-2.1	57.5	-0.5	12.7	0.2	-171.3	0.3	-5.8	-0.5	12.7	0.2
				Viento +Y exc.-	-145.7	-0.8	47.1	-0.2	10.5	0.0	-145.7	0.4	-5.2	-0.2	10.5	0.0
				Viento -Y exc.+	171.3	2.1	-57.5	0.5	-12.7	-0.2	171.3	-0.3	5.8	0.5	-12.7	-0.2
				Viento -Y exc.-	145.7	0.8	-47.1	0.2	-10.5	-0.0	145.7	-0.4	5.2	0.2	-10.5	-0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2601.7	-7.5	91.4	-6.9	83.6	0.0	2575.0	13.3	-161.9	-6.9	83.6	0.0
				Cargas muertas	1470.4	4.2	39.5	3.9	36.2	0.0	1470.4	-7.6	-70.2	3.9	36.2	0.0
				H 1	0.4	-0.1	0.3	-0.0	0.3	0.0	0.4	0.0	-0.5	-0.0	0.3	0.0
				Sobrecarga de uso	801.9	-2.9	17.3	-2.6	15.8	0.0	801.9	5.1	-30.5	-2.6	15.8	0.0
				Viento +X exc.+	2.8	-4.0	0.7	-3.9	0.6	0.0	2.8	8.0	-1.2	-3.9	0.6	0.0
				Viento +X exc.-	1.2	-3.9	0.5	-3.9	0.5	0.0	1.2	7.9	-0.9	-3.9	0.5	0.0
				Viento -X exc.+	-2.8	4.0	-0.7	3.9	-0.6	0.0	-2.8	-8.0	1.2	3.9	-0.6	0.0
				Viento -X exc.-	-1.2	3.9	-0.5	3.9	-0.5	0.0	-1.2	-7.9	0.9	3.9	-0.5	0.0
				Viento +Y exc.+	-174.8	0.5	-4.5	0.4	-6.8	-0.0	-174.8	-0.8	16.1	0.4	-6.8	-0.0
				Viento +Y exc.-	-148.6	0.2	-2.3	0.1	-4.8	-0.0	-148.6	-0.2	12.3	0.1	-4.8	-0.0
				Viento -Y exc.+	174.8	-0.5	4.5	-0.4	6.8	0.0	174.8	0.8	-16.1	-0.4	6.8	0.0
				Viento -Y exc.-	148.6	-0.2	2.3	-0.1	4.8	0.0	148.6	0.2	-12.3	-0.1	4.8	0.0
P59	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	241.3	0.1	-24.0	0.0	-13.3	0.0	225.3	0.1	19.2	0.0	-13.3	0.0
				Cargas muertas	186.8	0.4	4.8	0.3	3.5	0.0	186.8	-0.5	-6.7	0.3	3.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	186.3	0.6	-13.9	0.4	-9.2	0.0	186.3	-0.6	16.1	0.4	-9.2	0.0
				Viento +X exc.+	0.1	5.2	-0.1	3.3	-0.1	-0.0	0.1	-5.6	0.1	3.3	-0.1	-0.0
				Viento +X exc.-	0.1	5.3	-0.1	3.4	-0.0	0.0	0.1	-5.7	0.0	3.4	-0.0	0.0
				Viento -X exc.+	-0.1	-5.2	0.1	-3.3	0.1	0.0	-0.1	5.6	-0.1	-3.3	0.1	0.0
				Viento -X exc.-	-0.1	-5.3	0.1	-3.4	0.0	0.0	-0.1	5.7	-0.0	-3.4	0.0	0.0
				Viento +Y exc.+	-6.2	0.0	16.1	0.1	9.6	0.0	-6.2	-0.4	-14.9	0.1	9.6	0.0
				Viento +Y exc.-	-5.6	-1.2	15.0	-0.7	8.8	-0.0	-5.6	0.9	-13.4	-0.7	8.8	-0.0
				Viento -Y exc.+	6.2	-0.0	-16.1	-0.1	-9.6	-0.0	6.2	0.4	14.9	-0.1	-9.6	-0.0
				Viento -Y exc.-	5.6	1.2	-15.0	0.7	-8.8	0.0	5.6	-0.9	13.4	0.7	-8.8	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	456.9	0.1	-32.6	0.1	-20.7	-0.0	438.9	-0.3	34.6	0.1	-20.7	-0.0
				Cargas muertas	348.7	0.5	2.2	0.3	1.1	0.0	348.7	-0.6	-1.5	0.3	1.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	254.1	-0.1	-11.7	-0.1	-7.0	-0.0	254.1	0.2	11.0	-0.1	-7.0	-0.0
				Viento +X exc.+	-0.0	6.0	0.2	4.9	0.1	-0.0	-0.0	-10.1	-0.1	4.9	0.1	-0.0
				Viento +X exc.-	-0.2	6.1	0.3	5.0	0.2	0.0	-0.2	-10.3	-0.4	5.0	0.2	0.0
				Viento -X exc.+	0.0	-6.0	-0.2	-4.9	-0.1	0.0	0.0	10.1	0.1	-4.9	-0.1	0.0
				Viento -X exc.-	0.2	-6.1	-0.3	-5.0	-0.2	0.0	0.2	10.3	0.4	-5.0	-0.2	0.0
				Viento +Y exc.+	-21.1	0.3	20.7	0.8	15.5	0.0	-21.1	-2.1	-29.8	0.8	15.5	0.0
				Viento +Y exc.-	-18.7	-1.3	18.9	-0.6	13.6	-0.0	-18.7	0.5	-25.2	-0.6	13.6	-0.0
				Viento -Y exc.+	21.1	-0.3	-20.7	-0.8	-15.5	-0.0	21.1	2.1	29.8	-0.8	-15.5	-0.0
				Viento -Y exc.-	18.7	1.3	-18.9	0.6	-13.6	0.0	18.7	-0.5	25.2	0.6	-13.6	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	672.6	0.4	-28.0	0.3	-17.5	0.0	654.7	-0.5	28.8	0.3	-17.5	0.0
				Cargas muertas	510.8	0.6	2.4	0.4	1.6	0.0	510.8	-0.7	-3.0	0.4	1.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	321.8	0.2	-11.1	0.1	-7.1	0.0	321.8	-0.3	12.0	0.1	-7.1	0.0
				Viento +X exc.+	-0.2	10.3	-0.1	7.6	-0.0	-0.0	-0.2	-14.5	0.1	7.6	-0.0	-0.0
				Viento +X exc.-	-0.5	10.4	0.2	7.7	0.2	0.0	-0.5	-14.7	-0.4	7.7	0.2	0.0
				Viento -X exc.+	0.2	-10.3	0.1	-7.6	0.0	0.0	0.2	14.5	-0.1	-7.6	0.0	0.0
				Viento -X exc.-	0.5	-10.4	-0.2	-7.7	-0.2	0.0	0.5	14.7	0.4	-7.7	-0.2	0.0
				Viento +Y exc.+	-40.0	2.5	28.1	2.1	20.2	0.1	-40.0	-4.2	-37.6	2.1	20.2	0.1
				Viento +Y exc.-	-34.4	-0.1	23.3	0.2	16.4	-0.0	-34.4	-0.7	-29.8	0.2	16.4	-0.0
				Viento -Y exc.+	40.0	-2.5	-28.1	-2.1	-20.2	-0.1	40.0	4.2	37.6	-2.1	-20.2	-0.1
				Viento -Y exc.-	34.4	0.1	-23.3	-0.2	-16.4	0.0	34.4	0.7	29.8	-0.2	-16.4	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	890.2	0.5	-28.2	0.3	-18.7	0.0	870.3	-0.6	32.6	0.3	-18.7	0.0
				Cargas muertas	672.8	0.8	3.0	0.5	1.8	0.0	672.8	-0.8	-3.0	0.5	1.8	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	389.4	0.2	-11.5	0.1	-7.5	0.0	389.4	-0.2	12.7	0.1	-7.5	0.0
				Viento +X exc.+	-0.4	12.1	0.3	8.7	0.1	-0.0	-0.4	-16.0	-0.1	8.7	0.1	-0.0
				Viento +X exc.-	-1.0	12.3	0.7	8.8	0.4	0.0	-1.0	-16.2	-0.6	8.8	0.4	0.0
				Viento -X exc.+	0.4	-12.1	-0.3	-8.7	-0.1	0.0	0.4	16.0	0.1	-8.7	-0.1	0.0
				Viento -X exc.-	1.0	-12.3	-0.7	-8.8	-0.4	-0.0	1.0	16.2	0.6	-8.8	-0.4	-0.0
				Viento +Y exc.+	-63.6	3.3	33.8	2.4	24.0	0.2	-63.6	-4.5	-44.0	2.4	24.0	0.2
				Viento +Y exc.-	-53.5	0.1	27.9	0.2	19.3	0.0	-53.5	-0.6	-34.8	0.2	19.3	0.0
				Viento -Y exc.+	63.6	-3.3	-33.8	-2.4	-24.0	-0.2	63.6	4.5	44.0	-2.4	-24.0	-0.2
				Viento -Y exc.-	53.5	-0.1	-27.9	-0.2	-19.3	-0.0	53.5	0.6	34.8	-0.2	-19.3	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1108.0	1.6	-44.5	0.6	-23.8	0.0	1088.1	-0.4	33.0	0.6	-23.8	0.0
				Cargas muertas	835.1	1.3	3.1	0.5	1.5	0.0	835.1	-0.5	-1.9	0.5	1.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	457.0	0.7	-14.7	0.3	-8.3	0.0	457.0	-0.2	12.2	0.3	-8.3	0.0
				Viento +X exc.+	-0.6	16.7	0.1	10.8	-0.1	-0.0	-0.6	-18.4	0.4	10.8	-0.1	-0.0
				Viento +X exc.-	-1.5	17.0	0.7	11.0	0.3	0.0	-1.5	-18.7	-0.3	11.0	0.3	0.0
				Viento -X exc.+	0.6	-16.7	-0.1	-10.8	0.1	0.0	0.6	18.4	-0.4	-10.8	0.1	0.0
				Viento -X exc.-	1.5	-17.0	-0.7	-11.0	-0.3	0.0	1.5	18.7	0.3	-11.0	-0.3	0.0
				Viento +Y exc.+	-90.8	5.5	48.9	3.3	29.8	0.2	-90.8	-5.1	-48.0	3.3	29.8	0.2
				Viento +Y exc.-	-74.9	0.8	38.6	0.6	23.2	0.0	-74.9	-1.1	-37.0	0.6	23.2	0.0
				Viento -Y exc.+	90.8	-5.5	-48.9	-3.3	-29.8	-0.2	90.8	5.1	48.0	-3.3	-29.8	-0.2
				Viento -Y exc.-	74.9	-0.8	-38.6	-0.6	-23.2	-0.0	74.9	1.1	37.0	-0.6	-23.2	-0.0
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1330.9	0.1	34.9	0.1	2.8	-0.0	1308.4	-0.1	25.8	0.1	2.8	-0.0
				Cargas muertas	994.2	0.7	26.8	0.3	11.7	-0.0	994.2	-0.3	-11.3	0.3	11.7	-0.0
				H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	524.8	-1.1	-2.6	-0.4	-4.9	0.0	524.8	0.2	13.5	-0.4	-4.9	0.0
				Viento +X exc.+	-0.1	33.9	0.7	19.7	-0.4	-0.0	-0.1	-30.0	2.0	19.7	-0.4	-0.0
				Viento +X exc.-	-1.5	34.4	1.6	19.9	0.2	-0.0	-1.5	-30.2	1.0	19.9	0.2	-0.0
				Viento -X exc.+	0.1	-33.9	-0.7	-19.7	0.4	0.0	0.1	30.0	-2.0	-19.7	0.4	0.0
				Viento -X exc.-	1.5	-34.4	-1.6	-19.9	-0.2	0.0	1.5	30.2	-1.0	-19.9	-0.2	0.0
				Viento +Y exc.+	-127.9	9.6	82.0	4.3	47.2	0.3	-127.9	-4.4	-71.4	4.3	47.2	0.3
				Viento +Y exc.-	-103.9	1.4	64.5	0.5	36.9	0.1	-103.9	-0.3	-55.5	0.5	36.9	0.1
				Viento -Y exc.+	127.9	-9.6	-82.0	-4.3	-47.2	-0.3	127.9	4.4	71.4	-4.3	-47.2	-0.3
				Viento -Y exc.-	103.9	-1.4	-64.5	-0.5	-36.9	-0.1	103.9	0.3	55.5	-0.5	-36.9	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1763.2	0.4	-38.1	0.4	-2.8	0.0	1728.5	-1.7	-23.9	0.4	-2.8	0.0
				Cargas muertas	1155.1	0.7	-13.5	0.4	-0.8	0.0	1155.1	-1.4	-9.7	0.4	-0.8	0.0
				H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	621.1	-0.3	-16.1	-0.2	-4.0	0.0	621.1	0.7	4.0	-0.2	-4.0	0.0
				Viento +X exc.+	1.4	12.3	-4.2	7.3	-2.1	-0.1	1.4	-24.3	6.2	7.3	-2.1	-0.1
				Viento +X exc.-	-0.4	12.3	-3.4	7.3	-1.7	-0.0	-0.4	-24.1	5.2	7.3	-1.7	-0.0
				Viento -X exc.+	-1.4	-12.3	4.2	-7.3	2.1	0.1	-1.4	24.3	-6.2	-7.3	2.1	0.1
				Viento -X exc.-	0.4	-12.3	3.4	-7.3	1.7	0.0	0.4	24.1	-5.2	-7.3	1.7	0.0
				Viento +Y exc.+	-156.3	0.4	52.5	-0.5	21.4	0.3	-156.3	2.9	-54.4	-0.5	21.4	0.3
				Viento +Y exc.-	-125.9	0.4	39.9	0.1	16.2	0.1	-125.9	0.1	-41.0	0.1	16.2	0.1
				Viento -Y exc.+	156.3	-0.4	-52.5	0.5	-21.4	-0.3	156.3	-2.9	54.4	0.5	-21.4	-0.3
				Viento -Y exc.-	125.9	-0.4	-39.9	-0.1	-16.2	-0.1	125.9	-0.1	41.0	-0.1	-16.2	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1910.1	2.2	17.6	0.5	-5.8	0.0	1875.4	-0.4	46.6	0.5	-5.8	0.0
				Cargas muertas	1196.3	0.3	3.9	0.0	-2.9	0.0	1196.3	0.2	18.3	0.0	-2.9	0.0
				H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	0.1	-0.1	-0.0	0.0	0.0
				Sobrecarga de uso	657.4	1.0	0.8	0.3	-2.8	0.0	657.4	-0.5	14.6	0.3	-2.8	0.0
				Viento +X exc.+	3.3	20.9	-4.7	2.4	-1.0	-0.0	3.3	9.1	0.4	2.4	-1.0	-0.0
				Viento +X exc.-	1.2	20.8	-3.7	2.3	-0.8	-0.0	1.2	9.1	0.3	2.3	-0.8	-0.0
				Viento -X exc.+	-3.3	-20.9	4.7	-2.4	1.0	0.0	-3.3	-9.1	-0.4	-2.4	1.0	0.0
				Viento -X exc.-	-1.2	-20.8	3.7	-2.3	0.8	0.0	-1.2	-9.1	-0.3	-2.3	0.8	0.0
				Viento +Y exc.+	-179.0	-2.1	61.4	-0.5	13.1	0.2	-179.0	0.5	-3.9	-0.5	13.1	0.2
				Viento +Y exc.-	-143.3	-0.8	47.5	-0.2	10.2	0.0	-143.3	0.4	-3.5	-0.2	10.2	0.0
				Viento -Y exc.+	179.0	2.1	-61.4	0.5	-13.1	-0.2	179.0	-0.5	3.9	0.5	-13.1	-0.2
				Viento -Y exc.-	143.3	0.8	-47.5	0.2	-10.2	-0.0	143.3	-0.4	3.5	0.2	-10.2	-0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2587.2	1.7	87.3	1.6	79.9	0.0	2560.5	-3.2	-154.8	1.6	79.9	0.0
				Cargas muertas	1405.0	-0.3	27.9	-0.2	25.6	0.0	1405.0	0.3	-49.6	-0.2	25.6	0.0
				H 1	0.4	-0.1	0.4	-0.0	0.3	0.0	0.4	0.0	-0.5	-0.0	0.3	0.0
				Sobrecarga de uso	810.9	1.0	16.7	1.0	15.3	0.0	810.9	-1.9	-29.5	1.0	15.3	0.0
				Viento +X exc.+	3.5	-4.1	0.9	-4.1	0.8	0.0	3.5	8.3	-1.6	-4.1	0.8	0.0
				Viento +X exc.-	1.4	-4.1	0.7	-4.1	0.6	0.0	1.4	8.2	-1.2	-4.1	0.6	0.0
				Viento -X exc.+	-3.5	4.1	-0.9	4.1	-0.8	0.0	-3.5	-8.3	1.6	4.1	-0.8	0.0
				Viento -X exc.-	-1.4	4.1	-0.7	4.1	-0.6	0.0	-1.4	-8.2	1.2	4.1	-0.6	0.0
				Viento +Y exc.+	-180.1	0.7	-6.1	0.6	-8.2	-0.0	-180.1	-1.1	18.8	0.6	-8.2	-0.0
				Viento +Y exc.-	-144.2	0.4	-3.2	0.3	-5.5	-0.0	-144.2	-0.5	13.6	0.3	-5.5	-0.0
				Viento -Y exc.+	180.1	-0.7	6.1	-0.6	8.2	0.0	180.1	1.1	-18.8	-0.6	8.2	0.0
				Viento -Y exc.-	144.2	-0.4	3.2	-0.3	5.5	0.0	144.2	0.5	-13.6	-0.3	5.5	0.0
P60	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	239.4	1.8	-26.3	0.7	-14.0	0.0	223.5	-0.5	19.2	0.7	-14.0	0.0
				Cargas muertas	186.3	1.0	3.8	0.4	3.2	0.0	186.3	-0.4	-6.6	0.4	3.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	185.8	1.2	-14.6	0.5	-9.5	0.0	185.8	-0.4	16.1	0.5	-9.5	0.0
				Viento +X exc.+	0.0	5.5	-0.3	3.4	-0.1	-0.0	0.0	-5.5	0.1	3.4	-0.1	-0.0
				Viento +X exc.-	-0.0	5.5	-0.2	3.4	-0.1	0.0	-0.0	-5.6	0.0	3.4	-0.1	0.0
				Viento -X exc.+	-0.0	-5.5	0.3	-3.4	0.1	0.0	-0.0	5.5	-0.1	-3.4	0.1	0.0
				Viento -X exc.-	0.0	-5.5	0.2	-3.4	0.1	0.0	0.0	5.6	-0.0	-3.4	0.1	0.0
				Viento +Y exc.+	-5.9	-0.6	16.9	-0.1	9.8	0.0	-5.9	-0.4	-15.1	-0.1	9.8	0.0
				Viento +Y exc.-	-5.0	-1.8	14.9	-0.9	8.5	-0.0	-5.0	1.0	-12.8	-0.9	8.5	-0.0
				Viento -Y exc.+	5.9	0.6	-16.9	0.1	-9.8	-0.0	5.9	0.4	15.1	0.1	-9.8	-0.0
				Viento -Y exc.-	5.0	1.8	-14.9	0.9	-8.5	0.0	5.0	-1.0	12.8	0.9	-8.5	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	462.2	3.0	-38.7	2.0	-24.7	-0.0	444.3	-3.4	41.6	2.0	-24.7	-0.0
				Cargas muertas	349.3	1.8	-0.5	1.2	-0.6	0.0	349.3	-2.1	1.5	1.2	-0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	254.4	1.2	-13.6	0.8	-8.3	-0.0	254.4	-1.2	13.2	0.8	-8.3	-0.0
				Viento +X exc.+	0.2	6.7	-0.3	5.4	-0.2	-0.0	0.2	-10.9	0.4	5.4	-0.2	-0.0
				Viento +X exc.-	-0.0	6.8	-0.1	5.5	-0.0	0.0	-0.0	-11.0	0.0	5.5	-0.0	0.0
				Viento -X exc.+	-0.2	-6.7	0.3	-5.4	0.2	0.0	-0.2	10.9	-0.4	-5.4	0.2	0.0
				Viento -X exc.-	0.0	-6.8	0.1	-5.5	0.0	0.0	0.0	11.0	-0.0	-5.5	0.0	0.0
				Viento +Y exc.+	-22.3	-1.2	23.1	-0.2	17.4	0.0	-22.3	-0.7	-33.5	-0.2	17.4	0.0
				Viento +Y exc.-	-18.7	-2.7	20.0	-1.4	14.4	-0.0	-18.7	1.9	-26.9	-1.4	14.4	-0.0
				Viento -Y exc.+	22.3	1.2	-23.1	0.2	-17.4	-0.0	22.3	0.7	33.5	0.2	-17.4	-0.0
				Viento -Y exc.-	18.7	2.7	-20.0	1.4	-14.4	0.0	18.7	-1.9	26.9	1.4	-14.4	0.0
P. sexta +25.10	50x45	21.40/24.65		Peso propio	685.3	2.8	-32.6	1.8	-20.3	0.0	667.3	-3.1	33.5	1.8	-20.3	0.0
				Cargas muertas	512.6	1.7	0.3	1.1	0.4	0.0	512.6	-1.8	-0.9	1.1	0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	323.1	1.2	-12.5	0.8	-8.0	0.0	323.1	-1.3	13.4	0.8	-8.0	0.0
				Viento +X exc.+	0.3	11.1	-0.6	8.1	-0.4	-0.0	0.3	-15.3	0.6	8.1	-0.4	-0.0
				Viento +X exc.-	-0.2	11.2	-0.2	8.2	-0.1	0.0	-0.2	-15.5	0.0	8.2	-0.1	0.0
				Viento -X exc.+	-0.3	-11.1	0.6	-8.1	0.4	0.0	-0.3	15.3	-0.6	-8.1	0.4	0.0
				Viento -X exc.-	0.2	-11.2	0.2	-8.2	0.1	0.0	0.2	15.5	-0.0	-8.2	0.1	0.0
				Viento +Y exc.+	-43.7	0.9	32.0	1.1	22.9	0.1	-43.7	-2.7	-42.6	1.1	22.9	0.1
				Viento +Y exc.-	-35.6	-1.4	25.2	-0.6	17.6	-0.0	-35.6	0.6	-32.1	-0.6	17.6	-0.0
P. quinta +21.50	50x50	17.80/21.05		Viento -Y exc.+	43.7	-0.9	-32.0	-1.1	-22.9	-0.1	43.7	2.7	42.6	-1.1	-22.9	-0.1
				Viento -Y exc.-	35.6	1.4	-25.2	0.6	-17.6	0.0	35.6	-0.6	32.1	0.6	-17.6	0.0
				Peso propio	910.4	3.5	-34.7	2.1	-22.6	0.0	890.5	-3.3	38.7	2.1	-22.6	0.0
				Cargas muertas	676.0	2.1	0.0	1.3	0.1	0.0	676.0	-2.0	-0.3	1.3	0.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	391.8	1.6	-13.6	0.9	-8.7	0.0	391.8	-1.4	14.7	0.9	-8.7	0.0
				Viento +X exc.+	0.5	13.5	-0.5	9.4	-0.4	-0.0	0.5	-17.1	0.7	9.4	-0.4	-0.0
				Viento +X exc.-	-0.3	13.7	-0.1	9.5	-0.0	0.0	-0.3	-17.3	-0.0	9.5	-0.0	0.0
				Viento -X exc.+	-0.5	-13.5	0.5	-9.4	0.4	0.0	-0.5	17.1	-0.7	-9.4	0.4	0.0
				Viento -X exc.-	0.3	-13.7	0.1	-9.5	0.0	-0.0	0.3	17.3	0.0	-9.5	0.0	-0.0
P. cuarta +17.90	50x50	14.20/17.45		Viento +Y exc.+	-71.0	1.1	39.7	1.1	27.8	0.2	-71.0	-2.5	-50.7	1.1	27.8	0.2
				Viento +Y exc.-	-56.4	-1.8	30.9	-0.9	21.2	0.0	-56.4	1.1	-38.1	-0.9	21.2	0.0
				Viento -Y exc.+	71.0	-1.1	-39.7	-1.1	-27.8	-0.2	71.0	2.5	50.7	-1.1	-27.8	-0.2
				Viento -Y exc.-	56.4	1.8	-30.9	0.9	-21.2	-0.0	56.4	-1.1	38.1	0.9	-21.2	-0.0
				Peso propio	1135.7	3.0	-46.8	1.7	-26.0	0.0	1115.8	-2.7	37.7	1.7	-26.0	0.0
				Cargas muertas	839.5	1.6	2.8	1.0	0.8	0.0	839.5	-1.5	0.1	1.0	0.8	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	460.3	0.8	-15.4	0.6	-8.9	0.0	460.3	-1.0	13.7	0.6	-8.9	0.0
				Viento +X exc.+	0.9	16.5	-0.1	11.0	-0.4	-0.0	0.9	-19.2	1.1	11.0	-0.4	-0.0
				Viento +X exc.-	-0.3	16.8	0.7	11.1	0.1	0.0	-0.3	-19.4	0.3	11.1	0.1	0.0
P. tercera +14.30	Diámetro 60	10.60/13.85		Viento -X exc.+	-0.9	-16.5	0.1	-11.0	0.4	0.0	-0.9	19.2	-1.1	-11.0	0.4	0.0
				Viento -X exc.-	0.3	-16.8	-0.7	-11.1	-0.1	0.0	0.3	19.4	-0.3	-11.1	-0.1	0.0
				Viento +Y exc.+	-102.7	4.1	54.6	2.2	33.8	0.2	-102.7	-3.1	-55.3	2.2	33.8	0.2
				Viento +Y exc.-	-80.2	-0.2	40.7	-0.2	25.0	0.0	-80.2	0.5	-40.4	-0.2	25.0	0.0
				Viento -Y exc.+	102.7	-4.1	-54.6	-2.2	-33.8	-0.2	102.7	3.1	55.3	-2.2	-33.8	-0.2
				Viento -Y exc.-	80.2	0.2	-40.7	0.2	-25.0	-0.0	80.2	-0.5	40.4	0.2	-25.0	-0.0
				Peso propio	1364.1	-7.3	35.3	-3.3	2.9	-0.0	1341.6	3.3	25.9	-3.3	2.9	-0.0
				Cargas muertas	999.9	-3.6	27.1	-1.7	12.0	-0.0	999.9	2.0	-11.9	-1.7	12.0	-0.0
				H 1	0.0	-0.0	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0
				Sobrecarga de uso	528.4	-0.3	-1.7	-0.2	-4.6	0.0	528.4	0.4	13.1	-0.2	-4.6	0.0
P. segunda +10.70	Diámetro 60	5.25/10.25		Viento +X exc.+	2.3	34.0	0.6	19.4	-0.5	-0.0	2.3	-29.1	2.3	19.4	-0.5	-0.0
				Viento +X exc.-	0.5	34.4	1.8	19.6	0.2	-0.0	0.5	-29.3	1.1	19.6	0.2	-0.0
				Viento -X exc.+	-2.3	-34.0	-0.6	-19.4	0.5	0.0	-2.3	29.1	-2.3	-19.4	0.5	0.0
				Viento -X exc.-	-0.5	-34.4	-1.8	-19.6	-0.2	0.0	-0.5	29.3	-1.1	-19.6	-0.2	0.0
				Viento +Y exc.+	-142.4	8.9	87.5	3.9	50.7	0.3	-142.4	-3.6	-77.1	3.9	50.7	0.3
				Viento +Y exc.-	-109.7	0.9	65.0	0.3	37.4	0.1	-109.7	0.1	-56.6	0.3	37.4	0.1
				Viento -Y exc.+	142.4	-8.9	-87.5	-3.9	-50.7	-0.3	142.4	3.6	77.1	-3.9	-50.7	-0.3
				Viento -Y exc.-	109.7	-0.9	-65.0	-0.3	-37.4	-0.1	109.7	-0.1	56.6	-0.3	-37.4	-0.1
				Peso propio	1794.3	-0.2	-47.1	-0.6	-5.3	0.0	1759.6	2.8	-20.8	-0.6	-5.3	0.0
				Cargas muertas	1159.6	-0.3	-18.2	-0.3	-2.1	0.0	1159.6	1.4	-7.6	-0.3	-2.1	0.0
P. primera +5.35	Diámetro 60	-0.10/4.90		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	624.1	0.4	-20.1	0.1	-5.1	0.0	624.1	-0.3	5.4	0.1	-5.1	0.0
				Viento +X exc.+	3.2	10.7	-4.9	6.9	-2.5	-0.1	3.2	-23.9	7.6	6.9	-2.5	-0.1
				Viento +X exc.-	0.8	10.7	-3.9	6.9	-2.1	-0.0	0.8	-23.7	6.4	6.9	-2.1	-0.0
				Viento -X exc.+	-3.2	-10.7	4.9	-6.9	2.5	0.1	-3.2	23.9	-7.6	-6.9	2.5	0.1
				Viento -X exc.-	-0.8	-10.7	3.9	-6.9	2.1	0.0	-0.8	23.7	-6.4	-6.9	2.1	0.0
				Viento +Y exc.+	-173.5	0.4	55.8	-0.5	22.9	0.3	-173.5	3.0	-58.9	-0.5	22.9	0.3
				Viento +Y exc.-	-132.4	0.4	40.4	0.0	16.6	0.1	-132.4	0.3	-42.6	0.0	16.6	0.1
				Viento -Y exc.+	173.5	-0.4	-55.8	0.5	-22.9	-0.3	173.5	-3.0	58.9	0.5	-22.9	-0.3
				Viento -Y exc.-	132.4	-0.4	-40.4	-0.0	-16.6	-0.1	132.4	-0.3	42.6	-0.0	-16.6	-0.1
P. primera +5.35	Diámetro 60	-0.10/4.90		Peso propio	1968.6	-2.2	12.4	-0.4	-9.0	0.0	1933.9	-0.1	57.1	-0.4	-9.0	0.0
				Cargas muertas	1215.3	-0.1	1.1	0.0	-4.5	0.0	1215.3	-0.2	23.8	0.0	-4.5	0.0
				H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	0.1	-0.1	-0.0	0.0	0.0
				Sobrecarga de uso	672.2	-1.1	-1.1	-0.3	-4.0	0.0	672.2	0.4	19.0	-0.3	-4.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	5.3	19.9	-5.6	1.8	-1.2	-0.0	5.3	11.1	0.2	1.8	-1.2	-0.0
				Viento +X exc.-	2.5	19.8	-4.4	1.7	-0.9	-0.0	2.5	11.1	0.1	1.7	-0.9	-0.0
				Viento -X exc.+	-5.3	-19.9	5.6	-1.8	1.2	0.0	-5.3	-11.1	-0.2	-1.8	1.2	0.0
				Viento -X exc.-	-2.5	-19.8	4.4	-1.7	0.9	0.0	-2.5	-11.1	-0.1	-1.7	0.9	0.0
				Viento +Y exc.+	-195.6	-2.0	65.6	-0.5	13.6	0.2	-195.6	0.3	-2.2	-0.5	13.6	0.2
				Viento +Y exc.-	-148.6	-0.7	48.2	-0.2	10.1	0.0	-148.6	0.3	-2.1	-0.2	10.1	0.0
				Viento -Y exc.+	195.6	2.0	-65.6	0.5	-13.6	-0.2	195.6	-0.3	2.2	0.5	-13.6	-0.2
				Viento -Y exc.-	148.6	0.7	-48.2	0.2	-10.1	-0.0	148.6	-0.3	2.1	0.2	-10.1	-0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2638.1	-8.8	86.9	-8.1	79.5	0.0	2611.4	15.6	-154.1	-8.1	79.5	0.0
				Cargas muertas	1414.2	-1.6	27.4	-1.4	25.1	0.0	1414.2	2.7	-48.7	-1.4	25.1	0.0
				H 1	0.5	-0.1	0.4	-0.0	0.3	0.0	0.5	0.0	-0.5	-0.0	0.3	0.0
				Sobrecarga de uso	823.9	-2.9	17.6	-2.7	16.0	0.0	823.9	5.1	-31.0	-2.7	16.0	0.0
				Viento +X exc.+	5.6	-3.9	1.1	-3.9	1.0	0.0	5.6	7.8	-2.0	-3.9	1.0	0.0
				Viento +X exc.-	2.8	-3.9	0.9	-3.8	0.8	0.0	2.8	7.8	-1.6	-3.8	0.8	0.0
				Viento -X exc.+	-5.6	3.9	-1.1	3.9	-1.0	0.0	-5.6	-7.8	2.0	3.9	-1.0	0.0
				Viento -X exc.-	-2.8	3.9	-0.9	3.8	-0.8	0.0	-2.8	-7.8	1.6	3.8	-0.8	0.0
				Viento +Y exc.+	-197.2	0.7	-7.3	0.6	-9.3	-0.0	-197.2	-1.1	20.8	0.6	-9.3	-0.0
				Viento +Y exc.-	-149.8	0.4	-3.7	0.3	-5.9	-0.0	-149.8	-0.5	14.3	0.3	-5.9	-0.0
				Viento -Y exc.+	197.2	-0.7	7.3	-0.6	9.3	0.0	197.2	1.1	-20.8	-0.6	9.3	0.0
				Viento -Y exc.-	149.8	-0.4	3.7	-0.3	5.9	0.0	149.8	0.5	-14.3	-0.3	5.9	0.0
P61	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	240.7	1.7	-26.2	0.7	-14.1	0.0	224.8	-0.4	19.6	0.7	-14.1	0.0
				Cargas muertas	186.7	0.5	3.8	0.2	3.2	0.0	186.7	-0.0	-6.7	0.2	3.2	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	186.7	0.6	-14.9	0.1	-9.6	0.0	186.7	0.3	16.3	0.1	-9.6	0.0
				Viento +X exc.+	0.3	5.5	-0.4	3.4	-0.2	-0.0	0.3	-5.5	0.2	3.4	-0.2	-0.0
				Viento +X exc.-	0.2	5.5	-0.2	3.4	-0.1	0.0	0.2	-5.6	0.0	3.4	-0.1	0.0
				Viento -X exc.+	-0.3	-5.5	0.4	-3.4	0.2	0.0	-0.3	5.5	-0.2	-3.4	0.2	0.0
				Viento -X exc.-	-0.2	-5.5	0.2	-3.4	0.1	0.0	-0.2	5.6	-0.0	-3.4	0.1	0.0
				Viento +Y exc.+	-6.3	-0.3	17.6	0.1	10.2	0.0	-6.3	-0.5	-15.5	0.1	10.2	0.0
				Viento +Y exc.-	-5.1	-1.5	14.6	-0.7	8.3	-0.0	-5.1	0.8	-12.4	-0.7	8.3	-0.0
				Viento -Y exc.+	6.3	0.3	-17.6	-0.1	-10.2	-0.0	6.3	0.5	15.5	-0.1	-10.2	-0.0
				Viento -Y exc.-	5.1	1.5	-14.6	0.7	-8.3	0.0	5.1	-0.8	12.4	0.7	-8.3	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	458.0	2.8	-34.4	1.9	-22.7	-0.0	440.0	-3.3	39.2	1.9	-22.7	-0.0
				Cargas muertas	349.8	1.2	-0.5	0.8	-0.6	0.0	349.8	-1.5	1.4	0.8	-0.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	255.7	0.9	-12.6	0.6	-7.9	-0.0	255.7	-1.1	13.1	0.6	-7.9	-0.0
				Viento +X exc.+	0.7	6.0	-0.2	5.1	-0.2	-0.0	0.7	-10.5	0.3	5.1	-0.2	-0.0
				Viento +X exc.-	0.4	6.1	-0.1	5.1	0.0	0.0	0.4	-10.6	-0.1	5.1	0.0	0.0
				Viento -X exc.+	-0.7	-6.0	0.2	-5.1	0.2	0.0	-0.7	10.5	-0.3	-5.1	0.2	0.0
				Viento -X exc.-	-0.4	-6.1	0.1	-5.1	-0.0	0.0	-0.4	10.6	0.1	-5.1	-0.0	0.0
				Viento +Y exc.+	-22.8	-1.0	18.8	-0.0	16.1	0.0	-22.8	-0.9	-33.6	-0.0	16.1	0.0
				Viento +Y exc.-	-18.1	-2.4	15.8	-1.2	12.7	-0.0	-18.1	1.5	-25.5	-1.2	12.7	-0.0
				Viento -Y exc.+	22.8	1.0	-18.8	0.0	-16.1	-0.0	22.8	0.9	33.6	0.0	-16.1	-0.0
				Viento -Y exc.-	18.1	2.4	-15.8	1.2	-12.7	0.0	18.1	-1.5	25.5	1.2	-12.7	0.0
	P. sexta +25.10	50x50	21.40/24.65	Peso propio	678.5	3.0	-36.7	1.9	-22.6	0.0	658.5	-3.2	36.9	1.9	-22.6	0.0
				Cargas muertas	513.2	1.3	0.1	0.9	0.4	0.0	513.2	-1.4	-1.1	0.9	0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	324.9	1.0	-14.7	0.6	-9.3	0.0	324.9	-1.1	15.4	0.6	-9.3	0.0
				Viento +X exc.+	1.3	11.4	-0.7	8.4	-0.4	-0.0	1.3	-15.8	0.8	8.4	-0.4	-0.0
				Viento +X exc.-	0.7	11.5	-0.1	8.5	-0.0	0.0	0.7	-16.0	-0.1	8.5	-0.0	0.0
				Viento -X exc.+	-1.3	-11.4	0.7	-8.4	0.4	0.0	-1.3	15.8	-0.8	-8.4	0.4	0.0
				Viento -X exc.-	-0.7	-11.5	0.1	-8.5	0.0	-0.0	-0.7	16.0	0.1	-8.5	0.0	-0.0
				Viento +Y exc.+	-45.8	1.1	37.7	1.3	27.6	0.1	-45.8	-3.1	-52.1	1.3	27.6	0.1
				Viento +Y exc.-	-35.4	-1.3	28.2	-0.5	20.1	-0.0	-35.4	0.4	-37.3	-0.5	20.1	-0.0
				Viento -Y exc.+	45.8	-1.1	-37.7	-1.3	-27.6	-0.1	45.8	3.1	52.1	-1.3	-27.6	-0.1
				Viento -Y exc.-	35.4	1.3	-28.2	0.5	-20.1	0.0	35.4	-0.4	37.3	0.5	-20.1	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	898.1	3.5	-31.6	2.1	-20.2	0.0	878.2	-3.4	33.9	2.1	-20.2	0.0
				Cargas muertas	676.2	1.6	2.1	1.0	1.0	0.0	676.2	-1.5	-1.0	1.0	1.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	393.7	1.2	-13.1	0.7	-8.2	0.0	393.7	-1.2	13.4	0.7	-8.2	0.0
				Viento +X exc.+	1.8	13.6	-0.3	9.3	-0.3	-0.0	1.8	-16.8	0.6	9.3	-0.3	-0.0
				Viento +X exc.-	0.7	13.7	0.3	9.4	0.2	0.0	0.7	-17.0	-0.2	9.4	0.2	0.0
				Viento -X exc.+	-1.8	-13.6	0.3	-9.3	0.3	0.0	-1.8	16.8	-0.6	-9.3	0.3	0.0
				Viento -X exc.-	-0.7	-13.7	-0.3	-9.4	-0.2	-0.0	-0.7	17.0	0.2	-9.4	-0.2	-0.0
				Viento +Y exc.+	-74.8	1.7	42.3	1.4	28.8	0.2	-74.8	-2.9	-51.4	1.4	28.8	0.2
				Viento +Y exc.-	-56.4	-1.3	31.0	-0.6	20.8	0.0	-56.4	0.7	-36.4	-0.6	20.8	0.0
				Viento -Y exc.+	74.8	-1.7	-42.3	-1.4	-28.8	-0.2	74.8	2.9	51.4	-1.4	-28.8	-0.2
				Viento -Y exc.-	56.4	1.3	-31.0	0.6	-20.8	-0.0	56.4	-0.7	36.4	0.6	-20.8	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1117.5	2.9	-47.2	1.7	-26.0	0.0	1097.5	-2.7	37.3	1.7	-26.0	0.0
				Cargas muertas	839.6	1.5	-4.5	0.8	-1.9	0.0	839.6	-1.1	1.8	0.8	-1.9	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	462.2	1.3	-15.7	0.7	-9.1	0.0	462.2	-1.0	14.0	0.7	-9.1	0.0
				Viento +X exc.+	2.3	15.3	-0.4	10.5	-0.5	-0.0	2.3	-18.9	1.3	10.5	-0.5	-0.0
				Viento +X exc.-	0.8	15.5	0.4	10.7	0.0	0.0	0.8	-19.1	0.3	10.7	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. tercera +14.30	50x50	10.60/13.85	Viento -X exc.+	-2.3	-15.3	0.4	-10.5	0.5	0.0	-2.3	18.9	-1.3	-10.5	0.5	0.0
				Viento -X exc.-	-0.8	-15.5	-0.4	-10.7	-0.0	0.0	-0.8	19.1	-0.3	-10.7	-0.0	0.0
				Viento +Y exc.+	-107.8	3.3	49.7	2.0	33.0	0.2	-107.8	-3.2	-57.6	2.0	33.0	0.2
				Viento +Y exc.-	-79.9	-0.5	35.3	-0.2	23.2	0.0	-79.9	0.2	-40.2	-0.2	23.2	0.0
				Viento -Y exc.+	107.8	-3.3	-49.7	-2.0	-33.0	-0.2	107.8	3.2	57.6	-2.0	-33.0	-0.2
				Viento -Y exc.-	79.9	0.5	-35.3	0.2	-23.2	-0.0	79.9	-0.2	40.2	0.2	-23.2	-0.0
				Peso propio	1336.2	4.2	31.4	1.9	3.1	-0.0	1316.3	-2.1	21.3	1.9	3.1	-0.0
				Cargas muertas	999.9	2.1	21.3	0.9	7.0	-0.0	999.9	-0.9	-1.4	0.9	7.0	-0.0
				H 1	0.0	-0.0	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0
				Sobrecarga de uso	529.6	0.1	-1.9	0.2	-4.0	0.0	529.6	-0.5	11.1	0.2	-4.0	0.0
				Viento +X exc.+	3.3	31.1	0.5	17.0	-0.7	-0.0	3.3	-24.2	2.7	17.0	-0.7	-0.0
				Viento +X exc.-	1.1	31.5	1.7	17.2	0.0	-0.0	1.1	-24.3	1.6	17.2	0.0	-0.0
	Viento -X exc.+	-3.3	-31.1	-0.5	-17.0	0.7	0.0	-3.3	24.2	-2.7	-17.0	0.7	0.0			
	Viento -X exc.-	-1.1	-31.5	-1.7	-17.2	-0.0	0.0	-1.1	24.3	-1.6	-17.2	-0.0	0.0			
	Viento +Y exc.+	-146.1	7.8	78.1	3.1	42.4	0.2	-146.1	-2.2	-59.7	3.1	42.4	0.2			
	Viento +Y exc.-	-106.8	0.8	55.0	0.1	29.7	0.0	-106.8	0.6	-41.7	0.1	29.7	0.0			
	Viento -Y exc.+	146.1	-7.8	-78.1	-3.1	-42.4	-0.2	146.1	2.2	59.7	-3.1	-42.4	-0.2			
	Viento -Y exc.-	106.8	-0.8	-55.0	-0.1	-29.7	-0.0	106.8	-0.6	41.7	-0.1	-29.7	-0.0			
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1774.6	1.5	-48.4	1.3	-5.0	0.0	1740.0	-4.9	-23.4	1.3	-5.0	0.0
				Cargas muertas	1160.7	1.6	-19.7	0.9	-1.8	0.0	1160.7	-2.9	-10.5	0.9	-1.8	0.0
				H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	0.0	-0.0	0.0
				Sobrecarga de uso	625.2	-0.1	-20.8	-0.0	-5.3	0.0	625.2	-0.0	5.7	-0.0	-5.3	0.0
				Viento +X exc.+	6.1	11.8	-5.8	7.8	-2.9	-0.1	6.1	-27.1	8.7	7.8	-2.9	-0.1
				Viento +X exc.-	3.2	11.8	-4.5	7.8	-2.3	-0.0	3.2	-27.0	7.2	7.8	-2.3	-0.0
				Viento -X exc.+	-6.1	-11.8	5.8	-7.8	2.9	0.1	-6.1	27.1	-8.7	-7.8	2.9	0.1
				Viento -X exc.-	-3.2	-11.8	4.5	-7.8	2.3	0.0	-3.2	27.0	-7.2	-7.8	2.3	0.0
				Viento +Y exc.+	-181.4	0.8	63.0	-0.3	26.8	0.3	-181.4	2.0	-71.0	-0.3	26.8	0.3
				Viento +Y exc.-	-131.4	0.5	43.8	0.1	18.7	0.1	-131.4	-0.1	-49.5	0.1	18.7	0.1
				Viento -Y exc.+	181.4	-0.8	-63.0	0.3	-26.8	-0.3	181.4	-2.0	71.0	0.3	-26.8	-0.3
				Viento -Y exc.-	131.4	-0.5	-43.8	-0.1	-18.7	-0.1	131.4	0.1	49.5	-0.1	-18.7	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	1951.1	0.7	15.7	-0.1	-8.5	0.0	1916.5	1.2	58.4	-0.1	-8.5	0.0
				Cargas muertas	1218.1	-2.2	7.3	-0.7	-3.3	0.0	1218.1	1.3	24.0	-0.7	-3.3	0.0
				H 1	0.1	-0.1	0.1	-0.0	0.0	0.0	0.1	0.1	-0.1	-0.0	0.0	0.0
				Sobrecarga de uso	674.4	0.7	-1.5	0.2	-4.2	0.0	674.4	-0.2	19.7	0.2	-4.2	0.0
				Viento +X exc.+	8.5	19.5	-6.8	1.5	-1.4	-0.0	8.5	12.1	0.4	1.5	-1.4	-0.0
				Viento +X exc.-	5.1	19.4	-5.3	1.5	-1.1	-0.0	5.1	12.1	0.3	1.5	-1.1	-0.0
				Viento -X exc.+	-8.5	-19.5	6.8	-1.5	1.4	0.0	-8.5	-12.1	-0.4	-1.5	1.4	0.0
				Viento -X exc.-	-5.1	-19.4	5.3	-1.5	1.1	0.0	-5.1	-12.1	-0.3	-1.5	1.1	0.0
				Viento +Y exc.+	-205.9	-2.2	69.7	-0.5	14.0	0.2	-205.9	0.6	-0.3	-0.5	14.0	0.2
				Viento +Y exc.-	-148.5	-0.7	49.0	-0.2	9.9	0.0	-148.5	0.4	-0.5	-0.2	9.9	0.0
Viento -Y exc.+				205.9	2.2	-69.7	0.5	-14.0	-0.2	205.9	-0.6	0.3	0.5	-14.0	-0.2	
Viento -Y exc.-				148.5	0.7	-49.0	0.2	-9.9	-0.0	148.5	-0.4	0.5	0.2	-9.9	-0.0	
P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2640.2	-0.1	95.2	-0.1	87.1	0.0	2613.5	0.1	-168.8	-0.1	87.1	0.0	
			Cargas muertas	1459.4	-4.9	42.5	-4.5	39.0	0.0	1459.4	8.6	-75.7	-4.5	39.0	0.0	
			H 1	0.4	-0.0	0.4	0.0	0.3	0.0	0.4	-0.0	-0.6	0.0	0.3	0.0	
			Sobrecarga de uso	827.5	0.7	17.2	0.7	15.7	0.0	827.5	-1.3	-30.3	0.7	15.7	0.0	
			Viento +X exc.+	9.0	-3.7	1.3	-3.7	1.3	0.0	9.0	7.4	-2.5	-3.7	1.3	0.0	
			Viento +X exc.-	5.5	-3.6	1.0	-3.6	1.0	0.0	5.5	7.4	-1.9	-3.6	1.0	0.0	
			Viento -X exc.+	-9.0	3.7	-1.3	3.7	-1.3	0.0	-9.0	-7.4	2.5	3.7	-1.3	0.0	
			Viento -X exc.-	-5.5	3.6	-1.0	3.6	-1.0	0.0	-5.5	-7.4	1.9	3.6	-1.0	0.0	
			Viento +Y exc.+	-209.4	0.7	-8.2	0.6	-10.0	-0.0	-209.4	-1.2	22.3	0.6	-10.0	-0.0	
			Viento +Y exc.-	-151.1	0.4	-4.0	0.3	-6.1	-0.0	-151.1	-0.5	14.5	0.3	-6.1	-0.0	
			Viento -Y exc.+	209.4	-0.7	8.2	-0.6	10.0	0.0	209.4	1.2	-22.3	-0.6	10.0	0.0	
			Viento -Y exc.-	151.1	-0.4	4.0	-0.3	6.1	0.0	151.1	0.5	-14.5	-0.3	6.1	0.0	
P62	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	231.9	1.4	-24.4	0.6	-12.8	0.0	219.2	-0.5	17.3	0.6	-12.8	0.0
				Cargas muertas	186.5	0.6	2.8	0.2	2.5	0.0	186.5	-0.0	-5.2	0.2	2.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	184.7	0.6	-13.4	0.3	-8.5	0.0	184.7	-0.4	14.3	0.3	-8.5	0.0
				Viento +X exc.+	0.0	4.5	-0.4	2.5	-0.2	-0.0	0.0	-3.6	0.2	2.5	-0.2	-0.0
				Viento +X exc.-	-0.1	4.6	-0.2	2.5	-0.1	0.0	-0.1	-3.6	0.0	2.5	-0.1	0.0
				Viento -X exc.+	-0.0	-4.5	0.4	-2.5	0.2	0.0	-0.0	3.6	-0.2	-2.5	0.2	0.0
				Viento -X exc.-	0.1	-4.6	0.2	-2.5	0.1	0.0	0.1	3.6	-0.0	-2.5	0.1	0.0
				Viento +Y exc.+	-5.4	0.1	16.1	0.1	9.0	0.0	-5.4	-0.4	-13.3	0.1	9.0	0.0
				Viento +Y exc.-	-3.9	-1.0	12.5	-0.5	6.9	-0.0	-3.9	0.5	-10.0	-0.5	6.9	-0.0
				Viento -Y exc.+	5.4	-0.1	-16.1	-0.1	-9.0	-0.0	5.4	0.4	13.3	-0.1	-9.0	-0.0
				Viento -Y exc.-	3.9	1.0	-12.5	0.5	-6.9	0.0	3.9	-0.5	10.0	0.5	-6.9	0.0
	P. séptima +28.70	40x45	25.00/28.25	Peso propio	442.4	2.5	-34.0	1.6	-22.3	-0.0	428.0	-2.7	38.3	1.6	-22.3	-0.0
				Cargas muertas	348.3	1.3	-1.0	0.9	-0.8	0.0	348.3	-1.5	1.6	0.9	-0.8	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	252.5	0.6	-12.2	0.3	-7.6	0.0	252.5	-0.5	12.6	0.3	-7.6	0.0
				Viento +X exc.+	0.2	6.9	-0.2	4.8	-0.2	-0.0	0.2	-8.8	0.3	4.8	-0.2	-0.0
				Viento +X exc.-	-0.1	6.9	0.1	4.9	0.1	0.0	-0.1	-8.9	-0.2	4.9	0.1	0.0
				Viento -X exc.+	-0.2	-6.9	0.2	-4.8	0.2	0.0	-0.2	8.8	-0.3	-4.8	0.2	0.0
				Viento -X exc.-	0.1	-6.9	-0.1	-4.9	-0.1	0.0	0.1	8.9	0.2	-4.9	-0.1	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P. sexta +25.10	40x50	21.40/24.65	Viento +Y exc.+	-22.2	0.3	20.1	0.4	16.3	0.0	-22.2	-1.1	-32.8	0.4	16.3	0.0	
			Viento +Y exc.-	-16.4	-1.4	15.5	-0.7	12.0	-0.0	-16.4	1.0	-23.6	-0.7	12.0	-0.0	
			Viento -Y exc.+	22.2	-0.3	-20.1	-0.4	-16.3	-0.0	22.2	1.1	32.8	-0.4	-16.3	-0.0	
			Viento -Y exc.-	16.4	1.4	-15.5	0.7	-12.0	0.0	16.4	-1.0	23.6	0.7	-12.0	0.0	
			Peso propio	656.1	2.3	-34.1	1.5	-21.5	0.0	640.1	-2.7	35.8	1.5	-21.5	0.0	
			Cargas muertas	510.7	1.2	-0.4	0.8	-0.0	0.0	510.7	-1.3	-0.2	0.8	-0.0	0.0	
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	320.9	0.6	-13.3	0.4	-8.6	0.0	320.9	-0.8	14.5	0.4	-8.6	0.0	
			Viento +X exc.+	0.6	8.4	-0.6	6.2	-0.4	-0.0	0.6	-11.8	0.7	6.2	-0.4	-0.0	
			Viento +X exc.-	-0.1	8.5	-0.0	6.3	0.1	0.0	-0.1	-12.0	-0.2	6.3	0.1	0.0	
P. quinta +21.50	50x50	17.80/21.05	Viento -X exc.+	-0.6	-8.4	0.6	-6.2	0.4	0.0	-0.6	11.8	-0.7	-6.2	0.4	0.0	
			Viento -X exc.-	0.1	-8.5	0.0	-6.3	-0.1	0.0	0.1	12.0	0.2	-6.3	-0.1	0.0	
			Viento +Y exc.+	-46.1	1.4	36.1	1.2	26.6	0.1	-46.1	-2.6	-50.3	1.2	26.6	0.1	
			Viento +Y exc.-	-33.4	-0.5	25.7	-0.2	18.5	-0.0	-33.4	0.1	-34.5	-0.2	18.5	-0.0	
			Viento -Y exc.+	46.1	-1.4	-36.1	-1.2	-26.6	-0.1	46.1	2.6	50.3	-1.2	-26.6	-0.1	
			Viento -Y exc.-	33.4	0.5	-25.7	0.2	-18.5	0.0	33.4	-0.1	34.5	0.2	-18.5	0.0	
			Peso propio	874.5	3.5	-33.5	2.2	-21.6	0.0	854.6	-3.7	36.7	2.2	-21.6	0.0	
			Cargas muertas	673.4	1.7	-0.8	1.1	-0.4	0.0	673.4	-1.8	0.4	1.1	-0.4	0.0	
			H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	389.4	1.1	-13.5	0.7	-8.5	0.0	389.4	-1.1	14.2	0.7	-8.5	0.0	
P. cuarta +17.90	50x50	14.20/17.45	Viento +X exc.+	1.1	13.1	-0.3	9.4	-0.3	-0.0	1.1	-17.6	0.7	9.4	-0.3	-0.0	
			Viento +X exc.-	-0.2	13.3	0.4	9.6	0.2	0.0	-0.2	-17.8	-0.3	9.6	0.2	0.0	
			Viento -X exc.+	-1.1	-13.1	0.3	-9.4	0.3	0.0	-1.1	17.6	-0.7	-9.4	0.3	0.0	
			Viento -X exc.-	0.2	-13.3	-0.4	-9.6	-0.2	-0.0	0.2	17.8	0.3	-9.6	-0.2	-0.0	
			Viento +Y exc.+	-77.2	2.1	42.2	1.8	30.0	0.2	-77.2	-3.7	-55.4	1.8	30.0	0.2	
			Viento +Y exc.-	-54.9	-0.9	29.5	-0.3	20.6	0.0	-54.9	0.2	-37.5	-0.3	20.6	0.0	
			Viento -Y exc.+	77.2	-2.1	-42.2	-1.8	-30.0	-0.2	77.2	3.7	55.4	-1.8	-30.0	-0.2	
			Viento -Y exc.-	54.9	0.9	-29.5	0.3	-20.6	-0.0	54.9	-0.2	37.5	0.3	-20.6	-0.0	
			Peso propio	1092.6	3.6	-45.5	2.0	-25.4	0.0	1072.7	-2.9	36.9	2.0	-25.4	0.0	
			Cargas muertas	836.1	2.5	3.4	1.2	0.8	0.0	836.1	-1.4	0.6	1.2	0.8	0.0	
P. tercera +14.30	Diámetro 60	10.60/13.85	H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	457.7	0.6	-15.0	0.4	-8.8	0.0	457.7	-0.7	13.6	0.4	-8.8	0.0	
			Viento +X exc.+	1.7	16.0	-0.3	10.5	-0.5	-0.0	1.7	-18.2	1.4	10.5	-0.5	-0.0	
			Viento +X exc.-	-0.2	16.3	0.8	10.7	0.2	0.0	-0.2	-18.4	0.2	10.7	0.2	0.0	
			Viento -X exc.+	-1.7	-16.0	0.3	-10.5	0.5	0.0	-1.7	18.2	-1.4	-10.5	0.5	0.0	
			Viento -X exc.-	0.2	-16.3	-0.8	-10.7	-0.2	0.0	0.2	18.4	-0.2	-10.7	-0.2	0.0	
			Viento +Y exc.+	-113.8	5.6	62.3	3.0	38.6	0.2	-113.8	-4.2	-63.1	3.0	38.6	0.2	
			Viento +Y exc.-	-79.7	1.0	42.2	0.5	25.9	0.0	-79.7	-0.6	-42.0	0.5	25.9	0.0	
			Viento -Y exc.+	113.8	-5.6	-62.3	-3.0	-38.6	-0.2	113.8	4.2	63.1	-3.0	-38.6	-0.2	
			Viento -Y exc.-	79.7	-1.0	-42.2	-0.5	-25.9	-0.0	79.7	0.6	42.0	-0.5	-25.9	-0.0	
P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1318.9	1.4	31.3	0.9	1.0	-0.0	1296.4	-1.6	28.0	0.9	1.0	-0.0	
			Cargas muertas	995.9	-0.3	27.1	0.1	12.0	-0.0	995.9	-0.7	-11.8	0.1	12.0	-0.0	
			H 1	-0.0	-0.0	0.1	-0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	
			Sobrecarga de uso	525.5	1.6	-2.9	0.7	-5.0	0.0	525.5	-0.5	13.3	0.7	-5.0	0.0	
			Viento +X exc.+	2.0	34.2	0.7	19.5	-0.9	-0.0	2.0	-29.3	3.6	19.5	-0.9	-0.0	
			Viento +X exc.-	-0.8	34.6	2.4	19.7	0.2	-0.0	-0.8	-29.5	1.8	19.7	0.2	-0.0	
			Viento -X exc.+	-2.0	-34.2	-0.7	-19.5	0.9	0.0	-2.0	29.3	-3.6	-19.5	0.9	0.0	
			Viento -X exc.-	0.8	-34.6	-2.4	-19.7	-0.2	0.0	0.8	29.5	-1.8	-19.7	-0.2	0.0	
			Viento +Y exc.+	-160.5	9.2	97.5	4.3	57.2	0.3	-160.5	-4.9	-88.3	4.3	57.2	0.3	
			Viento +Y exc.-	-110.9	1.1	65.1	0.6	38.2	0.1	-110.9	-0.8	-58.9	0.6	38.2	0.1	
P. primera +5.35	Diámetro 60	-0.10/4.90	Viento -Y exc.+	160.5	-9.2	-97.5	-4.3	-57.2	-0.3	160.5	4.9	88.3	-4.3	-57.2	-0.3	
			Viento -Y exc.-	110.9	-1.1	-65.1	-0.6	-38.2	-0.1	110.9	0.8	58.9	-0.6	-38.2	-0.1	
			Peso propio	1751.5	-0.4	-34.0	0.2	-1.4	0.0	1716.8	-1.6	-27.1	0.2	-1.4	0.0	
			Cargas muertas	1159.6	-0.8	-13.2	-0.2	-0.5	0.0	1159.6	0.3	-10.8	-0.2	-0.5	0.0	
			H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	0.0	-0.0	0.0	
			Sobrecarga de uso	620.3	0.3	-14.7	0.3	-3.6	0.0	620.3	-1.3	3.2	0.3	-3.6	0.0	
			Viento +X exc.+	4.6	10.8	-6.8	6.9	-3.4	-0.1	4.6	-24.0	10.1	6.9	-3.4	-0.1	
			Viento +X exc.-	1.0	10.8	-5.4	6.9	-2.8	-0.0	1.0	-23.8	8.5	6.9	-2.8	-0.0	
			Viento -X exc.+	-4.6	-10.8	6.8	-6.9	3.4	0.1	-4.6	24.0	-10.1	-6.9	3.4	0.1	
			Viento -X exc.-	-1.0	-10.8	5.4	-6.9	2.8	0.0	-1.0	23.8	-8.5	-6.9	2.8	0.0	
P. primera +5.35	Diámetro 60	-0.10/4.90	Viento +Y exc.+	-199.2	0.3	65.0	-0.6	26.7	0.3	-199.2	3.5	-68.4	-0.6	26.7	0.3	
			Viento +Y exc.-	-136.8	0.3	43.6	-0.1	17.9	0.1	-136.8	0.6	-46.1	-0.1	17.9	0.1	
			Viento -Y exc.+	199.2	-0.3	-65.0	0.6	-26.7	-0.3	199.2	-3.5	68.4	0.6	-26.7	-0.3	
			Viento -Y exc.-	136.8	-0.3	-43.6	0.1	-17.9	-0.1	136.8	-0.6	46.1	0.1	-17.9	-0.1	
			Peso propio	1882.5	3.6	31.8	0.8	-1.0	0.0	1847.8	-0.2	36.7	0.8	-1.0	0.0	
			Cargas muertas	1194.4	3.2	16.2	0.8	0.7	0.0	1194.4	-0.6	12.7	0.8	0.7	0.0	
			H 1	0.0	-0.2	0.1	-0.1	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	
			Sobrecarga de uso	652.0	0.5	3.8	0.0	-1.6	0.0	652.0	0.3	11.9	0.0	-1.6	0.0	
			Viento +X exc.+	7.9	19.9	-7.9	1.7	-1.7	-0.0	7.9	11.1	0.5	1.7	-1.7	-0.0	
			Viento +X exc.-	3.6	19.8	-6.1	1.7	-1.3	-0.0	3.6	11.1	0.4	1.7	-1.3	-0.0	
P. primera +5.35	Diámetro 60	-0.10/4.90	Viento -X exc.+	-7.9	-19.9	7.9	1.7	1.7	0.0	-7.9	-11.1	-0.5	-1.7	1.7	0.0	
			Viento -X exc.-	-3.6	-19.8	6.1	-1.7	1.3	0.0	-3.6	-11.1	-0.4	-1.7	1.3	0.0	
			Viento +Y exc.+	-226.3	-2.0	75.2	-0.4	15.5	0.2	-226.3	0.2	-2.1	-0.4	15.5	0.2	
			Viento +Y exc.-	-155.0	-0.7	50.7	-0.2	10.5	0.0	-155.0	0.2	-1.6	-0.2	10.5	0.0	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. Baja +0.00	60x60	-3.60/-0.57	Viento -Y exc.+	226.3	2.0	-75.2	0.4	-15.5	-0.2	226.3	-0.2	2.1	0.4	-15.5	-0.2
				Viento -Y exc.-	155.0	0.7	-50.7	0.2	-10.5	-0.0	155.0	-0.2	1.6	0.2	-10.5	-0.0
				Peso propio	2572.3	5.4	104.5	5.0	95.7	0.0	2545.6	-9.8	-185.5	5.0	95.7	0.0
				Cargas muertas	1443.8	6.0	48.7	5.6	44.7	0.0	1443.8	-10.8	-86.7	5.6	44.7	0.0
				H 1	1.4	-0.3	0.3	-0.3	0.3	0.0	1.4	0.5	-0.4	-0.3	0.3	0.0
				Sobrecarga de uso	805.5	0.8	19.4	0.8	17.7	0.0	805.5	-1.5	-34.3	0.8	17.7	0.0
				Viento +X exc.+	8.5	-3.9	1.7	-3.9	1.6	0.0	8.5	7.9	-3.2	-3.9	1.6	0.0
				Viento +X exc.-	4.2	-3.9	1.3	-3.9	1.3	0.0	4.2	7.8	-2.5	-3.9	1.3	0.0
				Viento -X exc.+	-8.5	3.9	-1.7	3.9	-1.6	0.0	-8.5	-7.9	3.2	3.9	-1.6	0.0
				Viento -X exc.-	-4.2	3.9	-1.3	3.9	-1.3	0.0	-4.2	-7.8	2.5	3.9	-1.3	0.0
				Viento +Y exc.+	-230.9	0.5	-10.7	0.4	-12.3	-0.0	-230.9	-0.8	26.6	0.4	-12.3	-0.0
				Viento +Y exc.-	-158.2	0.2	-5.4	0.2	-7.3	-0.0	-158.2	-0.3	16.8	0.2	-7.3	-0.0
				Viento -Y exc.+	230.9	-0.5	10.7	-0.4	12.3	0.0	230.9	0.8	-26.6	-0.4	12.3	0.0
				Viento -Y exc.-	158.2	-0.2	5.4	-0.2	7.3	0.0	158.2	0.3	-16.8	-0.2	7.3	0.0
P63	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	249.6	-2.7	-26.5	-2.4	-14.3	0.0	233.6	5.2	20.0	-2.4	-14.3	0.0
				Cargas muertas	184.9	0.7	4.0	0.5	3.4	0.0	184.9	-0.8	-7.0	0.5	3.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	198.2	-2.0	-14.8	-2.1	-9.8	0.0	198.2	4.9	17.0	-2.1	-9.8	0.0
				Viento +X exc.+	-0.2	5.4	-0.5	3.3	-0.2	-0.0	-0.2	-5.5	0.3	3.3	-0.2	-0.0
				Viento +X exc.-	-0.3	5.5	-0.2	3.4	-0.1	0.0	-0.3	-5.6	0.0	3.4	-0.1	0.0
				Viento -X exc.+	0.2	-5.4	0.5	-3.3	0.2	0.0	0.2	5.5	-0.3	-3.3	0.2	0.0
				Viento -X exc.-	0.3	-5.5	0.2	-3.4	0.1	0.0	0.3	5.6	-0.0	-3.4	0.1	0.0
				Viento +Y exc.+	-5.5	-0.3	16.7	0.1	9.9	0.0	-5.5	-0.5	-15.6	0.1	9.9	0.0
				Viento +Y exc.-	-3.8	-1.4	12.4	-0.7	7.2	-0.0	-3.8	0.8	-11.1	-0.7	7.2	-0.0
				Viento -Y exc.+	5.5	0.3	-16.7	-0.1	-9.9	-0.0	5.5	0.5	15.6	-0.1	-9.9	-0.0
				Viento -Y exc.-	3.8	1.4	-12.4	0.7	-7.2	0.0	3.8	-0.8	11.1	0.7	-7.2	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	470.6	0.1	-39.3	0.5	-25.0	-0.0	452.7	-1.4	42.1	0.5	-25.0	-0.0
				Cargas muertas	347.2	0.6	-0.4	0.4	-0.5	0.0	347.2	-0.7	1.3	0.4	-0.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	267.0	0.5	-13.6	0.7	-8.2	-0.0	267.0	-1.7	12.9	0.7	-8.2	-0.0
				Viento +X exc.+	-0.4	6.7	-0.1	5.4	-0.1	-0.0	-0.4	-10.8	0.3	5.4	-0.1	-0.0
				Viento +X exc.-	-0.9	6.8	0.2	5.4	0.2	0.0	-0.9	-10.9	-0.4	5.4	0.2	0.0
				Viento -X exc.+	0.4	-6.7	0.1	-5.4	0.1	0.0	0.4	10.8	-0.3	-5.4	0.1	0.0
				Viento -X exc.-	0.9	-6.8	-0.2	-5.4	-0.2	0.0	0.9	10.9	0.4	-5.4	-0.2	0.0
				Viento +Y exc.+	-23.1	-0.4	23.4	0.3	18.7	0.0	-23.1	-1.3	-37.3	0.3	18.7	0.0
				Viento +Y exc.-	-16.0	-2.0	16.7	-1.0	12.9	-0.0	-16.0	1.2	-25.2	-1.0	12.9	-0.0
				Viento -Y exc.+	23.1	0.4	-23.4	-0.3	-18.7	-0.0	23.1	1.3	37.3	-0.3	-18.7	-0.0
				Viento -Y exc.-	16.0	2.0	-16.7	1.0	-12.9	0.0	16.0	-1.2	25.2	1.0	-12.9	0.0
	P. sexta +25.10	50x45	21.40/24.65	Peso propio	692.2	-0.2	-32.6	-0.2	-20.3	0.0	674.2	0.4	33.5	-0.2	-20.3	0.0
				Cargas muertas	509.7	0.9	0.6	0.5	0.6	0.0	509.7	-0.9	-1.3	0.5	0.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	336.4	-0.1	-12.5	-0.1	-8.0	0.0	336.4	0.4	13.4	-0.1	-8.0	0.0
				Viento +X exc.+	-0.9	11.2	-0.5	8.1	-0.3	-0.0	-0.9	-15.3	0.6	8.1	-0.3	-0.0
				Viento +X exc.-	-1.8	11.3	0.2	8.2	0.2	0.0	-1.8	-15.5	-0.4	8.2	0.2	0.0
				Viento -X exc.+	0.9	-11.2	0.5	-8.1	0.3	0.0	0.9	15.3	-0.6	-8.1	0.3	0.0
				Viento -X exc.-	1.8	-11.3	-0.2	-8.2	-0.2	0.0	1.8	15.5	0.4	-8.2	-0.2	0.0
				Viento +Y exc.+	-47.6	1.9	36.6	1.7	26.9	0.1	-47.6	-3.6	-50.8	1.7	26.9	0.1
				Viento +Y exc.-	-32.4	-0.6	24.7	-0.1	17.8	-0.0	-32.4	-0.2	-33.2	-0.1	17.8	-0.0
				Viento -Y exc.+	47.6	-1.9	-36.6	-1.7	-26.9	-0.1	47.6	3.6	50.8	-1.7	-26.9	-0.1
				Viento -Y exc.-	32.4	0.6	-24.7	0.1	-17.8	0.0	32.4	0.2	33.2	0.1	-17.8	0.0
	P. quinta +21.50	50x50	17.80/21.05	Peso propio	915.2	-0.6	-34.8	-0.2	-22.6	0.0	895.2	-0.0	38.6	-0.2	-22.6	0.0
				Cargas muertas	671.9	0.5	0.5	0.4	0.4	0.0	671.9	-0.8	-0.9	0.4	0.4	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	405.3	-0.1	-13.5	0.0	-8.6	0.0	405.3	-0.2	14.4	0.0	-8.6	0.0
				Viento +X exc.+	-1.3	13.7	-0.1	9.6	-0.2	-0.0	-1.3	-17.3	0.5	9.6	-0.2	-0.0
				Viento +X exc.-	-2.9	13.9	0.7	9.7	0.5	0.0	-2.9	-17.6	-0.7	9.7	0.5	0.0
				Viento -X exc.+	1.3	-13.7	0.1	-9.6	0.2	0.0	1.3	17.3	-0.5	-9.6	0.2	0.0
				Viento -X exc.-	2.9	-13.9	-0.7	-9.7	-0.5	-0.0	2.9	17.6	0.7	-9.7	-0.5	-0.0
				Viento +Y exc.+	-79.8	2.5	45.8	1.9	32.7	0.2	-79.8	-3.8	-60.4	1.9	32.7	0.2
				Viento +Y exc.-	-53.4	-0.7	30.3	-0.2	21.3	0.0	-53.4	0.1	-39.1	-0.2	21.3	0.0
				Viento -Y exc.+	79.8	-2.5	-45.8	-1.9	-32.7	-0.2	79.8	3.8	60.4	-1.9	-32.7	-0.2
				Viento -Y exc.-	53.4	0.7	-30.3	0.2	-21.3	-0.0	53.4	-0.1	39.1	0.2	-21.3	-0.0
	P. cuarta +17.90	50x50	14.20/17.45	Peso propio	1139.0	2.2	-46.2	0.6	-25.8	0.0	1119.1	0.3	37.5	0.6	-25.8	0.0
				Cargas muertas	834.9	2.4	3.8	0.9	1.2	0.0	834.9	-0.6	-0.2	0.9	1.2	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	474.5	0.9	-15.5	0.2	-8.9	0.0	474.5	0.1	13.6	0.2	-8.9	0.0
				Viento +X exc.+	-1.7	17.4	0.3	11.4	-0.3	-0.0	-1.7	-19.7	1.2	11.4	-0.3	-0.0
				Viento +X exc.-	-4.0	17.6	1.6	11.6	0.5	0.0	-4.0	-19.9	-0.2	11.6	0.5	0.0
				Viento -X exc.+	1.7	-17.4	-0.3	-11.4	0.3	0.0	1.7	19.7	-1.2	-11.4	0.3	0.0
				Viento -X exc.-	4.0	-17.6	-1.6	-11.6	-0.5	0.0	4.0	19.9	0.2	-11.6	-0.5	0.0
				Viento +Y exc.+	-117.8	5.6	64.7	3.1	40.6	0.2	-117.8	-4.6	-67.2	3.1	40.6	0.2
				Viento +Y exc.-	-78.0	0.8	41.9	0.4	26.1	0.0	-78.0	-0.7	-42.9	0.4	26.1	0.0
				Viento -Y exc.+	117.8	-5.6	-64.7	-3.1	-40.6	-0.2	117.8	4.6	67.2	-3.1	-40.6	-0.2
				Viento -Y exc.-	78.0	-0.8	-41.9	-0.4	-26.1	-0.0	78.0	0.7	42.9	-0.4	-26.1	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza						
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
	P. tercera +14.30	Diámetro 60	10.60/13.85	Peso propio	1362.0	-4.0	35.6	-1.4	2.6	-0.0	1339.4	0.5	27.1	-1.4	2.6	-0.0	
				Cargas muertas	990.8	-0.8	27.6	0.1	12.0	-0.0	990.8	-1.1	-11.4	0.1	12.0	-0.0	
				H 1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0	
				Sobrecarga de uso	541.7	-2.1	0.2	-0.7	-3.8	0.0	541.7	0.2	12.6	-0.7	-3.8	0.0	0.0
				Viento +X exc.+	-1.2	35.8	-0.5	20.5	-1.4	-0.0	-1.2	-30.8	4.1	20.5	-1.4	-0.0	-0.0
				Viento +X exc.-	-4.5	36.2	1.7	20.7	-0.1	-0.0	-4.5	-31.0	2.1	20.7	-0.1	-0.0	-0.0
				Viento -X exc.+	1.2	-35.8	0.5	-20.5	1.4	0.0	1.2	30.8	-4.1	-20.5	1.4	0.0	0.0
				Viento -X exc.-	4.5	-36.2	-1.7	-20.7	0.1	0.0	4.5	31.0	-2.1	-20.7	0.1	0.0	0.0
				Viento +Y exc.+	-168.0	8.0	110.2	3.7	63.2	0.3	-168.0	-4.1	-95.2	3.7	63.2	0.3	0.3
				Viento +Y exc.-	-110.1	0.3	70.1	0.1	40.3	0.1	-110.1	-0.1	-60.8	0.1	40.3	0.1	0.1
				Viento -Y exc.+	168.0	-8.0	-110.2	-3.7	-63.2	-0.3	168.0	4.1	95.2	-3.7	-63.2	-0.3	-0.3
				Viento -Y exc.-	110.1	-0.3	-70.1	-0.1	-40.3	-0.1	110.1	0.1	60.8	-0.1	-40.3	-0.1	-0.1
	P. segunda +10.70	Diámetro 60	5.25/10.25	Peso propio	1820.7	-1.9	-55.1	-0.8	-6.9	0.0	1786.1	2.3	-20.6	-0.8	-6.9	0.0	
				Cargas muertas	1165.8	-0.4	-21.0	-0.2	-2.6	0.0	1165.8	0.6	-7.9	-0.2	-2.6	0.0	
				H 1	-0.0	-0.2	0.0	-0.0	-0.0	0.0	-0.0	0.1	0.0	-0.0	-0.0	0.0	
				Sobrecarga de uso	643.0	-0.8	-23.5	-0.5	-5.8	0.0	643.0	1.6	5.4	-0.5	-5.8	0.0	0.0
				Viento +X exc.+	-2.1	10.9	-6.4	7.1	-3.6	-0.1	-2.1	-24.6	11.7	7.1	-3.6	-0.1	-0.1
				Viento +X exc.-	-6.1	10.9	-4.8	7.1	-2.9	-0.0	-6.1	-24.4	9.7	7.1	-2.9	-0.0	-0.0
				Viento -X exc.+	2.1	-10.9	6.4	-7.1	3.6	0.1	2.1	24.6	-11.7	-7.1	3.6	0.1	0.1
				Viento -X exc.-	6.1	-10.9	4.8	-7.1	2.9	0.0	6.1	24.4	-9.7	-7.1	2.9	0.0	0.0
				Viento +Y exc.+	-196.4	0.2	71.9	-0.8	30.3	0.3	-196.4	4.0	-79.5	-0.8	30.3	0.3	0.3
				Viento +Y exc.-	-128.5	0.2	46.6	-0.1	19.7	0.1	-128.5	0.9	-51.9	-0.1	19.7	0.1	0.1
				Viento -Y exc.+	196.4	-0.2	-71.9	0.8	-30.3	-0.3	196.4	-4.0	79.5	0.8	-30.3	-0.3	-0.3
				Viento -Y exc.-	128.5	-0.2	-46.6	0.1	-19.7	-0.1	128.5	-0.9	51.9	0.1	-19.7	-0.1	-0.1
	P. primera +5.35	Diámetro 60	-0.10/4.90	Peso propio	2049.3	4.3	0.6	1.1	-14.1	0.0	2014.6	-1.1	71.3	1.1	-14.1	0.0	
				Cargas muertas	1242.0	1.3	-1.2	0.3	-5.8	0.0	1242.0	-0.2	28.0	0.3	-5.8	0.0	
				H 1	0.2	0.7	-0.7	0.2	-0.2	0.0	0.2	-0.1	0.2	0.2	-0.2	0.0	
				Sobrecarga de uso	710.9	1.1	-4.6	0.3	-5.8	0.0	710.9	-0.6	24.3	0.3	-5.8	0.0	0.0
				Viento +X exc.+	-3.0	19.9	-8.0	1.7	-1.3	-0.0	-3.0	11.3	-1.4	1.7	-1.3	-0.0	-0.0
				Viento +X exc.-	-7.6	19.8	-6.0	1.7	-0.9	-0.0	-7.6	11.3	-1.5	1.7	-0.9	-0.0	-0.0
				Viento -X exc.+	3.0	-19.9	8.0	-1.7	1.3	0.0	3.0	-11.3	1.4	-1.7	1.3	0.0	0.0
				Viento -X exc.-	7.6	-19.8	6.0	-1.7	0.9	0.0	7.6	-11.3	1.5	-1.7	0.9	0.0	0.0
				Viento +Y exc.+	-225.4	-2.2	78.6	-0.5	15.7	0.2	-225.4	0.1	-0.0	-0.5	15.7	0.2	0.2
				Viento +Y exc.-	-147.4	-0.8	51.0	-0.2	10.2	0.0	-147.4	0.2	-0.2	-0.2	10.2	0.0	0.0
				Viento -Y exc.+	225.4	2.2	-78.6	0.5	-15.7	-0.2	225.4	-0.1	0.0	0.5	-15.7	-0.2	-0.2
				Viento -Y exc.-	147.4	0.8	-51.0	0.2	-10.2	-0.0	147.4	-0.2	0.2	0.2	-10.2	-0.0	-0.0
P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	2732.8	5.6	71.9	5.3	65.7	0.0	2706.0	-10.3	-127.3	5.3	65.7	0.0		
			Cargas muertas	1443.4	1.6	25.4	1.5	23.3	0.0	1443.4	-3.0	-45.1	1.5	23.3	0.0	0.0	
			H 1	-7.8	1.8	-1.3	1.7	-1.2	0.0	-7.8	-3.3	2.4	1.7	-1.2	0.0	0.0	
			Sobrecarga de uso	866.8	1.2	14.9	1.1	13.6	0.0	866.8	-2.1	-26.3	1.1	13.6	0.0	0.0	
			Viento +X exc.+	-2.8	-3.5	1.7	-3.5	1.6	0.0	-2.8	7.2	-3.2	-3.5	1.6	0.0	0.0	
			Viento +X exc.-	-7.5	-3.5	1.2	-3.5	1.2	0.0	-7.5	7.2	-2.3	-3.5	1.2	0.0	0.0	
			Viento -X exc.+	2.8	3.5	-1.7	3.5	-1.6	0.0	2.8	-7.2	3.2	3.5	-1.6	0.0	0.0	
			Viento -X exc.-	7.5	3.5	-1.2	3.5	-1.2	0.0	7.5	-7.2	2.3	3.5	-1.2	0.0	0.0	
			Viento +Y exc.+	-229.5	-0.1	-13.3	-0.2	-14.7	-0.0	-229.5	0.4	31.1	-0.2	-14.7	-0.0	-0.0	
			Viento +Y exc.-	-150.2	-0.2	-6.9	-0.2	-8.6	-0.0	-150.2	0.5	19.2	-0.2	-8.6	-0.0	-0.0	
			Viento -Y exc.+	229.5	0.1	13.3	0.2	14.7	0.0	229.5	-0.4	-31.1	0.2	14.7	0.0	0.0	
			Viento -Y exc.-	150.2	0.2	6.9	0.2	8.6	0.0	150.2	-0.5	-19.2	0.2	8.6	0.0	0.0	
P64	P. cubierta +32.30	50x40	28.60/31.85	Peso propio	174.2	37.9	-20.8	22.2	-11.6	0.0	158.3	-34.1	16.9	22.2	-11.6	0.0	
				Cargas muertas	181.6	5.3	-1.6	1.9	0.3	0.0	181.6	-1.0	-2.5	1.9	0.3	0.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	130.0	20.8	-11.2	14.4	-7.6	0.0	130.0	-26.1	13.5	14.4	-7.6	0.0	0.0
				Viento +X exc.+	1.2	3.4	-0.8	2.4	-0.4	-0.0	1.2	-4.6	0.5	2.4	-0.4	-0.0	-0.0
				Viento +X exc.-	1.1	3.4	-0.5	2.5	-0.2	0.0	1.1	-4.6	0.2	2.5	-0.2	0.0	0.0
				Viento -X exc.+	-1.2	-3.4	0.8	-2.4	0.4	0.0	-1.2	4.6	-0.5	-2.4	0.4	0.0	0.0
				Viento -X exc.-	-1.1	-3.4	0.5	-2.5	0.2	0.0	-1.1	4.6	-0.2	-2.5	0.2	0.0	0.0
				Viento +Y exc.+	-4.1	-0.8	15.1	-0.3	9.2	0.0	-4.1	0.0	-14.7	-0.3	9.2	0.0	0.0
				Viento +Y exc.-	-3.0	-1.4	10.4	-0.8	6.2	-0.0	-3.0	1.0	-9.8	-0.8	6.2	-0.0	-0.0
				Viento -Y exc.+	4.1	0.8	-15.1	0.3	-9.2	-0.0	4.1	-0.0	14.7	0.3	-9.2	-0.0	-0.0
				Viento -Y exc.-	3.0	1.4	-10.4	0.8	-6.2	0.0	3.0	-1.0	9.8	0.8	-6.2	0.0	0.0
	P. séptima +28.70	50x45	25.00/28.25	Peso propio	334.2	35.7	-30.4	21.6	-19.3	-0.0	316.3	-34.6	32.3	21.6	-19.3	-0.0	
				Cargas muertas	334.8	9.9	-7.2	6.4	-4.8	0.0	334.8	-11.0	8.4	6.4	-4.8	0.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	
				Sobrecarga de uso	177.9	11.2	-10.0	5.8	-5.9	-0.0	177.9	-7.8	9.3	5.8	-5.9	-0.0	-0.0
				Viento +X exc.+	4.2	3.0	-0.7	3.2	-0.5	-0.0	4.2	-7.3	0.8	3.2	-0.5	-0.0	-0.0
				Viento +X exc.-	3.8	3.1	-0.3	3.2	-0.1	0.0	3.8	-7.4	0.1	3.2	-0.1	0.0	0.0
				Viento -X exc.+	-4.2	-3.0	0.7	-3.2	0.5	0.0	-4.2	7.3	-0.8	-3.2	0.5	0.0	0.0
				Viento -X exc.-	-3.8	-3.1	0.3	-3.2	0.1	0.0	-3.8	7.4	-0.1	-3.2	0.1	0.0	0.0
				Viento +Y exc.+	-20.2	-1.5	20.6	-0.3	17.3	0.0	-20.2	-0.6	-35.7	-0.3	17.3	0.0	0.0
				Viento +Y exc.-	-14.0	-2.0	13.8	-1.0	11.3	-0.0	-14.0	1.1	-22.8	-1.0	11.3	-0.0	-0.0
				Viento -Y exc.+	20.2	1.5	-20.6	0.3	-17.3	-0.0	20.2	0.6	35.7	0.3	-17.3	-0.0	-0.0
				Viento -Y exc.-	14.0	2.0	-13.8	1.0	-11.3	0.0	14.0	-1.1	22.8	1.0	-11.3	0.0	0.0
P. sexta +25.10	50x45	21.40/24.65	Peso propio	494.4	33.4	-24.7	21.3	-15.4	0.0	476.5	-35.7	25.5	21.3	-15.4	0.0		
			Cargas muertas	488.2	7.6	-5.1	4.9	-3.0	0.0	488.2	-8.3	4.7	4.9	-3.0	0.0	0.0	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	225.3	12.5	-9.0	8.2	-5.8	0.0	225.3	-14.1	9.7	8.2	-5.8	0.0
				Viento +X exc.+	8.2	6.6	-1.1	5.4	-0.7	-0.0	8.2	-11.1	1.2	5.4	-0.7	-0.0
				Viento +X exc.-	7.4	6.7	-0.4	5.5	-0.2	0.0	7.4	-11.2	0.2	5.5	-0.2	0.0
				Viento -X exc.+	-8.2	-6.6	1.1	-5.4	0.7	0.0	-8.2	11.1	-1.2	-5.4	0.7	0.0
				Viento -X exc.-	-7.4	-6.7	0.4	-5.5	0.2	0.0	-7.4	11.2	-0.2	-5.5	0.2	0.0
				Viento +Y exc.+	-43.1	0.4	34.9	0.8	26.3	0.1	-43.1	-2.2	-50.5	0.8	26.3	0.1
				Viento +Y exc.-	-29.2	-0.9	22.4	-0.3	16.6	-0.0	-29.2	0.1	-31.6	-0.3	16.6	-0.0
				Viento -Y exc.+	43.1	-0.4	-34.9	-0.8	-26.3	-0.1	43.1	2.2	50.5	-0.8	-26.3	-0.1
				Viento -Y exc.-	29.2	0.9	-22.4	0.3	-16.6	0.0	29.2	-0.1	31.6	0.3	-16.6	0.0
P. quinta +21.50	50x50	17.80/21.05	Peso propio	656.6	40.2	-28.1	23.8	-17.8	0.0	636.6	-37.2	29.8	23.8	-17.8	0.0	
			Cargas muertas	641.3	12.9	-5.5	7.1	-3.5	0.0	641.3	-10.1	5.8	7.1	-3.5	0.0	
			H 1	0.1	-0.0	-0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	272.6	14.3	-10.0	8.4	-6.3	0.0	272.6	-13.1	10.4	8.4	-6.3	0.0	
			Viento +X exc.+	13.3	7.9	-1.0	6.0	-0.7	-0.0	13.3	-11.6	1.4	6.0	-0.7	-0.0	
			Viento +X exc.-	11.9	8.0	-0.1	6.1	-0.0	0.0	11.9	-11.7	0.1	6.1	-0.0	0.0	
			Viento -X exc.+	-13.3	-7.9	1.0	-6.0	0.7	0.0	-13.3	11.6	-1.4	-6.0	0.7	0.0	
			Viento -X exc.-	-11.9	-8.0	0.1	-6.1	0.0	-0.0	-11.9	11.7	-0.1	-6.1	0.0	-0.0	
			Viento +Y exc.+	-73.5	-0.5	43.9	0.3	31.7	0.2	-73.5	-1.5	-59.3	0.3	31.7	0.2	
			Viento +Y exc.-	-48.9	-1.8	27.7	-0.8	19.8	0.0	-48.9	0.8	-36.7	-0.8	19.8	0.0	
P. cuarta +17.90	50x50	14.20/17.45	Viento -Y exc.+	73.5	0.5	-43.9	-0.3	-31.7	-0.2	73.5	1.5	59.3	-0.3	-31.7	-0.2	
			Viento -Y exc.-	48.9	1.8	-27.7	0.8	-19.8	-0.0	48.9	-0.8	36.7	0.8	-19.8	-0.0	
			Peso propio	818.3	17.9	-28.3	15.0	-17.0	0.0	798.4	-30.9	26.9	15.0	-17.0	0.0	
			Cargas muertas	794.2	-5.1	-3.2	0.1	-2.8	0.0	794.2	-5.6	6.0	0.1	-2.8	0.0	
			H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	0.0	
			Sobrecarga de uso	319.8	6.7	-9.8	5.5	-5.9	0.0	319.8	-11.2	9.4	5.5	-5.9	0.0	
			Viento +X exc.+	19.4	10.2	-0.3	7.2	-0.7	-0.0	19.4	-13.2	2.1	7.2	-0.7	-0.0	
			Viento +X exc.-	17.2	10.5	1.0	7.3	0.1	0.0	17.2	-13.4	0.7	7.3	0.1	0.0	
			Viento -X exc.+	-19.4	-10.2	0.3	-7.2	0.7	0.0	-19.4	13.2	-2.1	-7.2	0.7	0.0	
			Viento -X exc.-	-17.2	-10.5	-1.0	-7.3	-0.1	0.0	-17.2	13.4	-0.7	-7.3	-0.1	0.0	
P. tercera +14.30	Diámetro 60	10.60/13.85	Viento +Y exc.+	-109.0	5.8	60.0	2.6	38.6	0.2	-109.0	-2.8	-65.5	2.6	38.6	0.2	
			Viento +Y exc.-	-71.6	1.9	37.3	0.7	23.9	0.0	-71.6	-0.3	-40.3	0.7	23.9	0.0	
			Viento -Y exc.+	109.0	-5.8	-60.0	-2.6	-38.6	-0.2	109.0	2.8	65.5	-2.6	-38.6	-0.2	
			Viento -Y exc.-	71.6	-1.9	-37.3	-0.7	-23.9	-0.0	71.6	0.3	40.3	-0.7	-23.9	-0.0	
			Peso propio	987.5	50.2	-5.6	22.6	-11.0	-0.0	965.0	-23.3	30.3	22.6	-11.0	-0.0	
			Cargas muertas	947.1	13.6	4.1	2.1	-0.4	-0.0	947.1	6.6	5.5	2.1	-0.4	-0.0	
			H 1	0.1	-0.3	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	0.1	0.0	0.0	
			Sobrecarga de uso	367.5	14.1	-4.8	6.4	-4.7	0.0	367.5	-6.9	10.4	6.4	-4.7	0.0	
			Viento +X exc.+	28.2	18.2	1.0	10.9	-0.9	-0.0	28.2	-17.4	4.1	10.9	-0.9	-0.0	
			Viento +X exc.-	25.1	18.5	3.1	11.1	0.3	-0.0	25.1	-17.5	2.1	11.1	0.3	-0.0	
P. segunda +10.70	Diámetro 60	5.25/10.25	Viento -X exc.+	-28.2	-18.2	-1.0	-10.9	0.9	0.0	-28.2	17.4	-4.1	-10.9	0.9	0.0	
			Viento -X exc.-	-25.1	-18.5	-3.1	-11.1	-0.3	0.0	-25.1	17.5	-2.1	-11.1	-0.3	0.0	
			Viento +Y exc.+	-154.1	6.4	101.8	3.5	58.0	0.3	-154.1	-5.1	-86.6	3.5	58.0	0.3	
			Viento +Y exc.-	-100.2	0.0	61.7	0.6	35.3	0.1	-100.2	-1.9	-53.0	0.6	35.3	0.1	
			Viento -Y exc.+	154.1	-6.4	-101.8	-3.5	-58.0	-0.3	154.1	5.1	86.6	-3.5	-58.0	-0.3	
			Viento -Y exc.-	100.2	-0.0	-61.7	-0.6	-35.3	-0.1	100.2	1.9	53.0	-0.6	-35.3	-0.1	
			Peso propio	1303.1	65.3	46.4	25.2	17.7	0.0	1268.4	-60.9	-42.3	25.2	17.7	0.0	
			Cargas muertas	1084.7	3.2	31.3	3.6	10.9	0.0	1084.7	-14.9	-23.3	3.6	10.9	0.0	
			H 1	0.2	1.5	-0.1	0.4	-0.0	0.0	0.2	-0.5	0.1	0.4	-0.0	0.0	
			Sobrecarga de uso	443.4	23.8	10.9	8.7	3.6	0.0	443.4	-19.5	-7.0	8.7	3.6	0.0	
P. primera +5.35	60x60	-0.10/4.90	Viento +X exc.+	40.6	21.6	-12.8	8.8	-5.5	-0.1	40.6	-22.3	14.8	8.8	-5.5	-0.1	
			Viento +X exc.-	36.8	21.7	-10.1	8.8	-4.5	-0.0	36.8	-22.1	12.3	8.8	-4.5	-0.0	
			Viento -X exc.+	-40.6	-21.6	12.8	-8.8	5.5	0.1	-40.6	22.3	-14.8	-8.8	5.5	0.1	
			Viento -X exc.-	-36.8	-21.7	10.1	-8.8	4.5	0.0	-36.8	22.1	-12.3	-8.8	4.5	0.0	
			Viento +Y exc.+	-186.5	4.4	113.3	0.2	42.3	0.3	-186.5	3.6	-98.2	0.2	42.3	0.3	
			Viento +Y exc.-	-120.7	3.2	71.2	0.6	26.7	0.1	-120.7	0.3	-62.3	0.6	26.7	0.1	
			Viento -Y exc.+	186.5	-4.4	-113.3	-0.2	-42.3	-0.3	186.5	-3.6	98.2	-0.2	-42.3	-0.3	
			Viento -Y exc.-	120.7	-3.2	-71.2	-0.6	-26.7	-0.1	120.7	-0.3	62.3	-0.6	-26.7	-0.1	
			Peso propio	1672.7	83.9	56.6	37.0	26.2	0.0	1628.6	-101.2	-74.4	37.0	26.2	0.0	
			Cargas muertas	1378.5	17.2	33.6	3.2	17.2	0.0	1378.5	1.1	-52.2	3.2	17.2	0.0	
P. Baja +0.00	60x60	-3.60/-0.57	H 1	-0.0	-8.7	0.1	-2.2	0.0	0.0	-0.0	2.1	-0.1	-2.2	0.0	0.0	
			Sobrecarga de uso	545.0	28.6	16.2	13.5	7.7	0.0	545.0	-38.8	-22.4	13.5	7.7	0.0	
			Viento +X exc.+	48.0	47.7	-22.7	11.5	-6.5	-0.1	48.0	-9.9	9.7	11.5	-6.5	-0.1	
			Viento +X exc.-	43.8	47.6	-17.6	11.5	-5.0	-0.0	43.8	-10.0	7.6	11.5	-5.0	-0.0	
			Viento -X exc.+	-48.0	-47.7	22.7	-11.5	6.5	0.1	-48.0	9.9	-9.7	-11.5	6.5	0.1	
			Viento -X exc.-	-43.8	-47.6	17.6	-11.5	5.0	0.0	-43.8	10.0	-7.6	-11.5	5.0	0.0	
			Viento +Y exc.+	-200.7	-0.5	192.6	1.6	54.3	0.2	-200.7	-8.8	-78.9	1.6	54.3	0.2	
			Viento +Y exc.-	-129.4	0.9	120.7	1.4	34.1	0.1	-129.4	-5.9	-49.6	1.4	34.1	0.1	
			Viento -Y exc.+	200.7	0.5	-192.6	-1.6	-54.3	-0.2	200.7	8.8	78.9	-1.6	-54.3	-0.2	
			Viento -Y exc.-	129.4	-0.9	-120.7	-1.4	-34.1	-0.1	129.4	5.9	49.6	-1.4	-34.1	-0.1	





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	28.7	-4.6	-0.0	-6.7	-0.4	-0.0	-15.1	15.5	-3.9	-16.1	11.0	0.2
				Viento +X exc.-	27.7	-4.7	-0.0	-6.9	-0.3	-0.0	-18.0	15.6	-3.0	-16.2	8.6	0.2
				Viento -X exc.+	-28.7	4.6	0.0	6.7	0.4	0.0	15.1	-15.5	3.9	16.1	-11.0	-0.2
				Viento -X exc.-	-27.7	4.7	0.0	6.9	0.3	0.0	18.0	-15.6	3.0	16.2	-8.6	-0.2
				Viento +Y exc.+	-45.4	-3.2	7.1	-6.3	35.8	0.2	-142.3	2.4	33.2	-9.2	-59.7	-2.0
				Viento +Y exc.-	-29.2	-2.1	6.9	-4.2	34.3	0.1	-93.3	1.8	21.4	-6.3	-25.4	-1.3
				Viento -Y exc.+	45.4	3.2	-7.1	6.3	-35.8	-0.2	142.3	-2.4	-33.2	9.2	59.7	2.0
				Viento -Y exc.-	29.2	2.1	-6.9	4.2	-34.3	-0.1	93.3	-1.8	-21.4	6.3	25.4	1.3
P65	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	815.1	-54.6	35.2	-17.8	14.2	0.0	782.0	30.6	-32.7	-17.8	14.2	0.0
				Cargas muertas	224.8	15.2	-2.3	3.0	0.8	0.0	224.8	0.9	-6.3	3.0	0.8	0.0
				H 1	0.1	-1.7	0.1	-0.4	0.0	0.0	0.1	0.3	-0.0	-0.4	0.0	0.0
				Sobrecarga de uso	266.7	-18.0	9.8	-6.1	5.3	0.0	266.7	11.1	-15.4	-6.1	5.3	0.0
				Viento +X exc.+	-7.0	37.1	7.7	12.5	2.7	-0.1	-7.0	-22.5	-5.2	12.5	2.7	-0.1
				Viento +X exc.-	-7.1	37.7	5.4	12.7	1.9	-0.0	-7.1	-22.8	-3.8	12.7	1.9	-0.0
				Viento -X exc.+	7.0	-37.1	-7.7	-12.5	-2.7	0.1	7.0	22.5	5.2	-12.5	-2.7	0.1
				Viento -X exc.-	7.1	-37.7	-5.4	-12.7	-1.9	0.0	7.1	22.8	3.8	-12.7	-1.9	0.0
				Viento +Y exc.+	-3.4	13.8	11.6	4.5	4.1	0.3	-3.4	-7.6	-7.9	4.5	4.1	0.3
				Viento +Y exc.-	-1.6	4.1	48.3	1.3	16.5	0.1	-1.6	-2.2	-30.6	1.3	16.5	0.1
	P. primera +5.35	60x60	-0.10/4.78	Viento -Y exc.+	3.4	-13.8	-11.6	-4.5	-4.1	-0.3	3.4	7.6	7.9	-4.5	-4.1	-0.3
				Viento -Y exc.-	1.6	-4.1	-48.3	-1.3	-16.5	-0.1	1.6	2.2	30.6	-1.3	-16.5	-0.1
				Peso propio	1465.0	-79.6	17.5	-36.7	9.5	0.0	1421.9	99.4	-29.1	-36.7	9.5	0.0
				Cargas muertas	684.8	4.6	-9.8	7.5	-5.7	0.0	684.8	-32.1	18.1	7.5	-5.7	0.0
				H 1	-0.3	14.2	0.0	3.7	0.0	0.0	-0.3	-3.9	-0.1	3.7	0.0	0.0
				Sobrecarga de uso	410.1	-22.1	-1.4	-10.5	-1.1	0.0	410.1	29.1	3.8	-10.5	-1.1	0.0
				Viento +X exc.+	-24.0	56.1	16.1	18.7	5.1	-0.1	-24.0	-34.9	-8.7	18.7	5.1	-0.1
				Viento +X exc.-	-24.6	56.8	12.2	18.9	3.8	-0.0	-24.6	-35.3	-6.6	18.9	3.8	-0.0
				Viento -X exc.+	24.0	-56.1	-16.1	-18.7	-5.1	0.1	24.0	34.9	8.7	-18.7	-5.1	0.1
				Viento -X exc.-	24.6	-56.8	-12.2	-18.9	-3.8	0.0	24.6	35.3	6.6	-18.9	-3.8	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Viento +Y exc.+	-7.8	12.2	22.2	3.7	7.2	0.2	-7.8	-6.1	-12.9	3.7	7.2	0.2
				Viento +Y exc.-	1.0	3.3	78.8	0.9	25.0	0.1	1.0	-1.3	-43.4	0.9	25.0	0.1
				Viento -Y exc.+	7.8	-12.2	-22.2	-3.7	-7.2	-0.2	7.8	6.1	12.9	-3.7	-7.2	-0.2
				Viento -Y exc.-	-1.0	-3.3	-78.8	-0.9	-25.0	-0.1	-1.0	1.3	43.4	-0.9	-25.0	-0.1
				Peso propio	371.2	-50.8	2.0	-54.2	9.8	-0.1	1048.2	55.1	2.8	-19.3	-2.1	0.1
				Cargas muertas	159.7	-23.6	0.7	-24.9	3.2	0.0	490.1	32.2	-1.4	-18.7	4.5	-0.2
				H 1	68.1	42.0	-0.0	56.6	0.0	0.0	-36.9	-7.0	0.1	-21.1	-0.4	-0.0
				Sobrecarga de uso	96.9	-12.6	0.5	-13.6	2.7	-0.0	284.9	13.0	-0.5	-4.6	2.5	0.0
				Viento +X exc.+	-25.3	-8.5	0.4	-8.0	1.9	-0.0	20.4	23.1	3.0	-17.2	-5.7	0.0
				Viento +X exc.-	-25.6	-8.6	0.3	-8.1	1.4	-0.0	20.5	23.4	2.3	-17.4	-4.3	0.0
P66	P. segunda +10.70	50x100	5.25/10.03	Viento -X exc.+	25.3	8.5	-0.4	8.0	-1.9	0.0	-20.4	-23.1	-3.0	17.2	5.7	-0.0
				Viento -X exc.-	25.6	8.6	-0.3	8.1	-1.4	0.0	-20.5	-23.4	-2.3	17.4	4.3	-0.0
				Viento +Y exc.+	-6.8	-2.0	10.6	-1.8	51.4	-0.0	-0.7	5.4	3.3	-3.8	28.5	0.1
				Viento +Y exc.-	-1.6	-0.7	12.1	-0.6	58.9	-0.0	-2.0	1.9	13.6	-1.1	8.7	0.3
				Viento -Y exc.+	6.8	2.0	-10.6	1.8	-51.4	0.0	0.7	-5.4	-3.3	3.8	-28.5	-0.1
				Viento -Y exc.-	1.6	0.7	-12.1	0.6	-58.9	0.0	2.0	-1.9	-13.6	1.1	-8.7	-0.3
				Peso propio	1352.0	21.6	138.5	8.0	59.4	0.0	1293.4	-16.8	-145.2	8.0	59.4	0.0
				Cargas muertas	675.8	-1.2	45.6	-1.7	30.3	0.0	675.8	6.9	-99.4	-1.7	30.3	0.0
				H 1	-0.2	0.4	0.6	0.1	0.1	0.0	-0.2	-0.0	0.1	0.1	0.1	0.0
				Sobrecarga de uso	436.2	7.4	49.7	2.8	27.5	0.0	436.2	-5.9	-81.7	2.8	27.5	0.0
	P. primera +5.35	50x100	-0.10/4.78	Viento +X exc.+	1.9	66.2	20.3	21.9	8.0	-0.1	1.9	-38.4	-18.0	21.9	8.0	-0.1
				Viento +X exc.-	1.9	67.3	14.0	22.2	5.6	-0.1	1.9	-39.0	-13.0	22.2	5.6	-0.1
				Viento -X exc.+	-1.9	-66.2	-20.3	-21.9	-8.0	0.1	-1.9	38.4	18.0	-21.9	-8.0	0.1
				Viento -X exc.-	-1.9	-67.3	-14.0	-22.2	-5.6	0.1	-1.9	39.0	13.0	-22.2	-5.6	0.1
				Viento +Y exc.+	1.7	22.9	66.2	7.5	25.1	0.7	1.7	-12.8	-53.7	7.5	25.1	0.7
				Viento +Y exc.-	2.6	5.7	170.5	2.0	63.3	0.2	2.6	-3.6	-132.3	2.0	63.3	0.2
				Viento -Y exc.+	-1.7	-22.9	-66.2	-7.5	-25.1	-0.7	-1.7	12.8	53.7	-7.5	-25.1	-0.7
				Viento -Y exc.-	-2.6	-5.7	-170.5	-2.0	-63.3	-0.2	-2.6	3.6	132.3	-2.0	-63.3	-0.2
				Peso propio	2287.5	-7.4	46.0	-0.2	21.6	0.0	2227.7	-6.6	-59.4	-0.2	21.6	0.0
				Cargas muertas	911.1	-4.4	-19.1	-0.5	-11.7	0.0	911.1	-1.9	38.0	-0.5	-11.7	0.0
				H 1	0.8	-2.1	-1.6	-0.6	-0.3	0.0	0.8	0.7	-0.0	-0.6	-0.3	0.0
	P. Baja +0.00	60x120	-3.60/-0.57	Sobrecarga de uso	656.1	-1.0	3.1	0.4	-1.2	0.0	656.1	-3.1	8.9	0.4	-1.2	0.0
				Viento +X exc.+	11.3	59.5	33.1	20.7	7.4	-0.1	11.3	-41.4	-3.2	20.7	7.4	-0.1
				Viento +X exc.-	10.7	60.2	25.4	20.9	5.9	-0.1	10.7	-41.9	-3.2	20.9	5.9	-0.1
				Viento -X exc.+	-11.3	-59.5	-33.1	-20.7	-7.4	0.1	-11.3	41.4	3.2	-20.7	-7.4	0.1
				Viento -X exc.-	-10.7	-60.2	-25.4	-20.9	-5.9	0.1	-10.7	41.9	3.2	-20.9	-5.9	0.1
				Viento +Y exc.+	12.0	12.3	81.5	3.8	17.4	0.4	12.0	-6.2	-3.6	3.8	17.4	0.4
				Viento +Y exc.-	22.1	2.6	190.8	0.5	38.4	0.1	22.1	0.1	3.3	0.5	38.4	0.1
				Viento -Y exc.+	-12.0	-12.3	-81.5	-3.8	-17.4	-0.4	-12.0	6.2	3.6	-3.8	-17.4	-0.4
				Viento -Y exc.-	-22.1	-2.6	-190.8	-0.5	-38.4	-0.1	-22.1	-0.1	-3.3	-0.5	-38.4	-0.1
				Peso propio	3212.2	-34.7	14.6	-31.6	10.2	0.0	3163.1	61.1	-16.2	-31.6	10.2	0.0
				Cargas muertas	1215.6	-16.1	1.7	-14.7	0.3	0.0	1215.6	28.3	0.8	-14.7	0.3	0.0
				H 1	-17.1	-3.7	-2.8	-3.4	-3.0	0.0	-17.1	6.5	6.2	-3.4	-3.0	0.0
				Sobrecarga de uso	860.2	-8.3	10.5	-7.6	9.7	0.0	860.2	14.7	-18.9	-7.6	9.7	0.0
				Viento +X exc.+	11.5	-14.2	-8.9	-13.4	-10.4	-0.0	11.5	26.4	22.5	-13.4	-10.4	-0.0
				Viento +X exc.-	10.8	-14.3	-6.9	-13.5	-8.0	0.0	10.8	26.7	17.3	-13.5	-8.0	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza								
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)			
P67	P. segunda +10.70	50x90	5.25/10.03	Viento -X exc.+	-11.5	14.2	8.9	13.4	10.4	0.0	-11.5	-26.4	-22.5	13.4	10.4	0.0			
				Viento -X exc.-	-10.8	14.3	6.9	13.5	8.0	0.0	-10.8	-26.7	-17.3	13.5	8.0	0.0			
				Viento +Y exc.+	12.5	-3.3	11.5	-3.0	-12.6	-0.0	12.5	5.7	49.7	-3.0	-12.6	-0.0			
				Viento +Y exc.-	22.9	-1.0	-17.4	-0.8	-46.8	-0.0	22.9	1.4	124.5	-0.8	-46.8	-0.0			
				Viento -Y exc.+	-12.5	3.3	-11.5	3.0	12.6	0.0	-12.5	-5.7	-49.7	3.0	12.6	0.0			
				Viento -Y exc.-	-22.9	1.0	17.4	0.8	46.8	0.0	-22.9	-1.4	-124.5	0.8	46.8	0.0			
				Peso propio	1148.7	-5.1	21.3	-1.0	23.5	0.0	1096.0	-0.1	-90.8	-1.0	23.5	0.0			
				Cargas muertas	451.9	7.5	13.4	4.4	16.7	0.0	451.9	-13.4	-66.6	4.4	16.7	0.0			
				H 1	-0.1	-0.1	0.6	-0.0	0.1	0.0	-0.1	0.0	0.1	-0.0	0.1	0.0			
				Sobrecarga de uso	380.3	-1.5	24.2	-0.5	17.8	0.0	380.3	0.8	-60.9	-0.5	17.8	0.0			
				Viento +X exc.+	1.8	54.2	9.1	18.4	4.0	-0.1	1.8	-33.7	-9.9	18.4	4.0	-0.1			
				Viento +X exc.-	1.5	55.1	5.9	18.7	2.7	-0.1	1.5	-34.2	-7.1	18.7	2.7	-0.1			
				Viento -X exc.+	-1.8	-54.2	-9.1	-18.4	-4.0	0.1	-1.8	33.7	9.9	-18.4	-4.0	0.1			
				Viento -X exc.-	-1.5	-55.1	-5.9	-18.7	-2.7	0.1	-1.5	34.2	7.1	-18.7	-2.7	0.1			
	Viento +Y exc.+	5.7	19.5	60.1	6.5	24.0	0.6	5.7	-11.4	-54.7	6.5	24.0	0.6						
	Viento +Y exc.-	10.7	5.7	113.3	1.9	44.5	0.2	10.7	-3.5	-99.6	1.9	44.5	0.2						
	Viento -Y exc.+	-5.7	-19.5	-60.1	-6.5	-24.0	-0.6	-5.7	11.4	54.7	-6.5	-24.0	-0.6						
	Viento -Y exc.-	-10.7	-5.7	-113.3	-1.9	-44.5	-0.2	-10.7	3.5	99.6	-1.9	-44.5	-0.2						
	P. primera +5.35	50x90	-0.10/4.78	Peso propio	1780.0	12.9	-38.7	2.7	-21.8	0.0	1726.1	-0.3	67.6	2.7	-21.8	0.0			
				Cargas muertas	612.4	4.1	-17.0	0.6	-13.2	0.0	612.4	1.1	47.2	0.6	-13.2	0.0			
				H 1	0.0	0.0	-1.6	-0.0	-0.3	0.0	0.0	0.2	-0.0	-0.0	-0.3	0.0			
				Sobrecarga de uso	515.2	3.8	-13.6	1.0	-8.6	0.0	515.2	-0.9	28.6	1.0	-8.6	0.0			
				Viento +X exc.+	2.3	48.0	17.1	15.8	3.2	-0.1	2.3	-29.3	1.5	15.8	3.2	-0.1			
				Viento +X exc.-	1.6	48.6	13.1	16.0	2.5	-0.1	1.6	-29.6	0.8	16.0	2.5	-0.1			
				Viento -X exc.+	-2.3	-48.0	-17.1	-15.8	-3.2	0.1	-2.3	29.3	-1.5	-15.8	-3.2	0.1			
				Viento -X exc.-	-1.6	-48.6	-13.1	-16.0	-2.5	0.1	-1.6	29.6	-0.8	-16.0	-2.5	0.1			
				Viento +Y exc.+	11.4	9.8	72.1	2.8	11.9	0.3	11.4	-3.9	14.1	2.8	11.9	0.3			
				Viento +Y exc.-	21.2	2.4	129.6	0.6	20.5	0.1	21.2	-0.4	29.4	0.6	20.5	0.1			
				Viento -Y exc.+	-11.4	-9.8	-72.1	-2.8	-11.9	-0.3	-11.4	3.9	-14.1	-2.8	-11.9	-0.3			
				Viento -Y exc.-	-21.2	-2.4	-129.6	-0.6	-20.5	-0.1	-21.2	0.4	-29.4	-0.6	-20.5	-0.1			
				P. Baja +0.00	60x120	-3.60/-0.57	Peso propio	2676.7	15.4	-17.9	14.0	-20.2	0.0	2639.6	-27.2	43.4	14.0	-20.2	0.0
							Cargas muertas	1015.5	5.5	10.5	5.1	9.7	0.0	1015.5	-9.9	-18.8	5.1	9.7	0.0
	H 1	-1.6	0.3				-2.4	0.3	-2.4	0.0	-1.6	-0.6	4.8	0.3	-2.4	0.0			
	Sobrecarga de uso	716.0	4.1				-1.3	3.8	-1.9	0.0	716.0	-7.3	4.5	3.8	-1.9	0.0			
	Viento +X exc.+	2.6	-10.9				-4.9	-10.1	-5.4	0.0	2.6	19.8	11.3	-10.1	-5.4	0.0			
	Viento +X exc.-	1.9	-11.0				-3.8	-10.2	-4.1	0.0	1.9	20.0	8.6	-10.2	-4.1	0.0			
	Viento -X exc.+	-2.6	10.9				4.9	10.1	5.4	0.0	-2.6	-19.8	-11.3	10.1	5.4	0.0			
	Viento -X exc.-	-1.9	11.0				3.8	10.2	4.1	0.0	-1.9	-20.0	-8.6	10.2	4.1	0.0			
	Viento +Y exc.+	11.1	-2.6				-3.1	-2.3	-15.2	-0.0	11.1	4.5	42.9	-2.3	-15.2	-0.0			
	Viento +Y exc.-	20.6	-1.0				-19.3	-0.9	-33.0	-0.0	20.6	1.6	80.7	-0.9	-33.0	-0.0			
	Viento -Y exc.+	-11.1	2.6				3.1	2.3	15.2	0.0	-11.1	-4.5	-42.9	2.3	15.2	0.0			
	Viento -Y exc.-	-20.6	1.0				19.3	0.9	33.0	0.0	-20.6	-1.6	-80.7	0.9	33.0	0.0			
P68	P. segunda +10.70	50x90	5.25/10.03				Peso propio	1140.9	5.6	63.5	1.1	19.3	0.0	1088.2	0.1	-28.9	1.1	19.3	0.0
							Cargas muertas	331.9	-2.9	18.4	-1.6	15.2	0.0	331.9	4.9	-54.3	-1.6	15.2	0.0
				H 1	-0.0	0.1	0.5	0.0	0.1	0.0	-0.0	0.0	0.1	0.0	0.1	0.0			
				Sobrecarga de uso	372.0	0.4	31.3	0.1	13.7	0.0	372.0	-0.1	-34.0	0.1	13.7	0.0			
				Viento +X exc.+	0.6	59.9	7.5	19.7	3.0	-0.1	0.6	-34.1	-7.0	19.7	3.0	-0.1			
				Viento +X exc.-	0.4	60.9	4.5	20.0	2.0	-0.1	0.4	-34.6	-4.8	20.0	2.0	-0.1			
				Viento -X exc.+	-0.6	-59.9	-7.5	-19.7	-3.0	0.1	-0.6	34.1	7.0	-19.7	-3.0	0.1			
				Viento -X exc.-	-0.4	-60.9	-4.5	-20.0	-2.0	0.1	-0.4	34.6	4.8	-20.0	-2.0	0.1			
				Viento +Y exc.+	3.6	22.0	98.0	7.0	35.8	0.6	3.6	-11.6	-73.0	7.0	35.8	0.6			
				Viento +Y exc.-	6.3	7.7	146.6	2.4	53.1	0.2	6.3	-3.7	-107.3	2.4	53.1	0.2			
				Viento -Y exc.+	-3.6	-22.0	-98.0	-7.0	-35.8	-0.6	-3.6	11.6	73.0	-7.0	-35.8	-0.6			
				Viento -Y exc.-	-6.3	-7.7	-146.6	-2.4	-53.1	-0.2	-6.3	3.7	107.3	-2.4	-53.1	-0.2			
				P. primera +5.35	50x90	-0.10/4.78	Peso propio	1992.1	19.4	44.6	7.2	23.5	0.0	1938.2	-15.8	-70.1	7.2	23.5	0.0
							Cargas muertas	554.4	10.5	-5.8	3.3	-6.5	0.0	554.4	-5.7	26.0	3.3	-6.5	0.0
H 1	0.2	-0.4	-1.5				-0.1	-0.3	0.0	0.2	0.2	-0.0	-0.1	-0.3	0.0				
Sobrecarga de uso	562.7	3.5	11.5				1.2	5.1	0.0	562.7	-2.1	-13.4	1.2	5.1	0.0				
Viento +X exc.+	3.1	52.4	13.5				18.4	2.9	-0.1	3.1	-37.5	-0.7	18.4	2.9	-0.1				
Viento +X exc.-	2.4	52.9	10.0				18.6	2.1	-0.1	2.4	-37.8	-0.4	18.6	2.1	-0.1				
Viento -X exc.+	-3.1	-52.4	-13.5				-18.4	-2.9	0.1	-3.1	37.5	0.7	-18.4	-2.9	0.1				
Viento -X exc.-	-2.4	-52.9	-10.0				-18.6	-2.1	0.1	-2.4	37.8	0.4	-18.6	-2.1	0.1				
Viento +Y exc.+	19.6	11.8	103.3				3.9	22.2	0.3	19.6	-7.5	-5.0	3.9	22.2	0.3				
Viento +Y exc.-	30.5	4.0	152.6				1.5	32.3	0.1	30.5	-3.3	-5.2	1.5	32.3	0.1				
Viento -Y exc.+	-19.6	-11.8	-103.3				-3.9	-22.2	-0.3	-19.6	7.5	5.0	-3.9	-22.2	-0.3				
Viento -Y exc.-	-30.5	-4.0	-152.6				-1.5	-32.3	-0.1	-30.5	3.3	5.2	-1.5	-32.3	-0.1				
P. Baja +0.00	60x120	-3.60/-0.57	Peso propio				2892.4	11.9	-6.6	10.9	-9.0	0.0	2855.2	-21.1	20.7	10.9	-9.0	0.0	
			Cargas muertas				854.4	10.0	8.5	9.2	7.7	0.0	854.4	-17.8	-14.9	9.2	7.7	0.0	
			H 1	-2.9	-0.3	-2.3	-0.2	-2.3	0.0	-2.9	0.4	4.7	-0.2	-2.3	0.0				
			Sobrecarga de uso	771.3	2.6	2.0	2.4	1.3	0.0	771.3	-4.7	-2.0	2.4	1.3	0.0				
			Viento +X exc.+	3.2	-11.2	-3.8	-10.4	-4.2	0.0	3.2	20.4	8.8	-10.4	-4.2	0.0				
			Viento +X exc.-	2.4	-11.3	-2.9	-10.5	-3.2	0.0	2.4	20.6	6.7	-10.5	-3.2	0.0				
			Viento -X exc.+	-3.2	11.2	3.8	10.4	4.2	0.0	-3.2	-20.4	-8.8	10.4	4.2	0.0				
			Viento -X exc.-	-2.4	11.3	2.9	10.5	3.2	0.0	-2.4	-20.6	-6.7	10.5	3.2	0.0				



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P69	P. segunda +10.70	Diámetro 60	5.25/10.03	Viento +Y exc.+	20.1	-2.6	-11.6	-2.4	-23.5	-0.0	20.1	4.5	59.5	-2.4	-23.5	-0.0
				Viento +Y exc.-	31.3	-0.9	-24.6	-0.8	-37.9	-0.0	31.3	1.4	90.3	-0.8	-37.9	-0.0
				Viento -Y exc.+	-20.1	2.6	11.6	2.4	23.5	0.0	-20.1	-4.5	-59.5	2.4	23.5	0.0
				Viento -Y exc.-	-31.3	0.9	24.6	0.8	37.9	0.0	-31.3	-1.4	-90.3	0.8	37.9	0.0
				Peso propio	968.8	6.1	-17.3	1.7	-7.1	0.0	935.7	-2.0	16.6	1.7	-7.1	0.0
				Cargas muertas	390.3	3.9	-8.7	1.0	-0.1	0.0	390.3	-0.7	-8.2	1.0	-0.1	0.0
				H 1	-0.0	0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	313.8	-0.6	5.3	-0.1	1.3	0.0	313.8	-0.2	-1.1	-0.1	1.3	0.0
				Viento +X exc.+	1.0	43.9	2.0	14.3	0.7	-0.1	1.0	-24.4	-1.4	14.3	0.7	-0.1
				Viento +X exc.-	0.8	44.6	1.2	14.5	0.4	-0.0	0.8	-24.8	-1.0	14.5	0.4	-0.0
				Viento -X exc.+	-1.0	-43.9	-2.0	-14.3	-0.7	0.1	-1.0	24.4	1.4	-14.3	-0.7	0.1
				Viento -X exc.-	-0.8	-44.6	-1.2	-14.5	-0.4	0.0	-0.8	24.8	1.0	-14.5	-0.4	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.78	Viento +Y exc.+	8.8	15.2	46.8	4.9	15.7	0.3	8.8	-8.1	-28.3	4.9	15.7	0.3
				Viento +Y exc.-	11.6	4.5	59.5	1.4	20.0	0.1	11.6	-2.4	-35.9	1.4	20.0	0.1
				Viento -Y exc.+	-8.8	-15.2	-46.8	-4.9	-15.7	-0.3	-8.8	8.1	28.3	-4.9	-15.7	-0.3
				Viento -Y exc.-	-11.6	-4.5	-59.5	-1.4	-20.0	-0.1	-11.6	2.4	35.9	-1.4	-20.0	-0.1
				Peso propio	1656.4	9.6	-9.7	4.0	-4.0	0.0	1622.6	-9.9	9.8	4.0	-4.0	0.0
				Cargas muertas	563.6	4.1	-14.6	2.0	-7.9	0.0	563.6	-5.6	23.7	2.0	-7.9	0.0
				H 1	-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	0.2	0.0	-0.1	-0.0	0.0
				Sobrecarga de uso	514.2	0.9	2.8	0.1	1.9	0.0	514.2	0.3	-6.7	0.1	1.9	0.0
				Viento +X exc.+	3.4	39.2	2.5	14.1	0.8	-0.0	3.4	-29.9	-1.2	14.1	0.8	-0.0
				Viento +X exc.-	2.9	39.6	1.8	14.3	0.5	-0.0	2.9	-30.2	-0.7	14.3	0.5	-0.0
				Viento -X exc.+	-3.4	-39.2	-2.5	-14.1	-0.8	0.0	-3.4	29.9	1.2	-14.1	-0.8	0.0
				Viento -X exc.-	-2.9	-39.6	-1.8	-14.3	-0.5	0.0	-2.9	30.2	0.7	-14.3	-0.5	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Viento +Y exc.+	26.9	8.4	41.0	2.8	13.4	0.2	26.9	-5.4	-24.2	2.8	13.4	0.2
				Viento +Y exc.-	34.2	2.2	51.9	0.7	16.9	0.0	34.2	-1.2	-30.4	0.7	16.9	0.0
				Viento -Y exc.+	-26.9	-8.4	-41.0	-2.8	-13.4	-0.2	-26.9	5.4	24.2	-2.8	-13.4	-0.2
				Viento -Y exc.-	-34.2	-2.2	-51.9	-0.7	-16.9	-0.0	-34.2	1.2	30.4	-0.7	-16.9	-0.0
				Peso propio	2439.1	4.2	-18.1	4.0	-17.3	0.0	2412.4	-7.8	34.2	4.0	-17.3	0.0
				Cargas muertas	800.7	0.3	-5.7	0.3	-5.4	0.0	800.7	-0.7	10.7	0.3	-5.4	0.0
				H 1	0.3	-0.2	-0.2	-0.1	-0.2	0.0	0.3	0.2	0.3	-0.1	-0.2	0.0
				Sobrecarga de uso	698.1	1.3	-4.3	1.2	-4.1	0.0	698.1	-2.4	8.1	1.2	-4.1	0.0
				Viento +X exc.+	3.8	-8.2	-0.6	-7.8	-0.6	0.0	3.8	15.5	1.3	-7.8	-0.6	0.0
				Viento +X exc.-	3.3	-8.3	-0.5	-7.9	-0.5	0.0	3.3	15.7	1.0	-7.9	-0.5	0.0
				Viento -X exc.+	-3.8	8.2	0.6	7.8	0.6	0.0	-3.8	-15.5	-1.3	7.8	0.6	0.0
				Viento -X exc.-	-3.3	8.3	0.5	7.9	0.5	0.0	-3.3	-15.7	-1.0	7.9	0.5	0.0
P70	P. segunda +10.70	Diámetro 60	5.25/10.03	Viento +Y exc.+	27.8	-2.1	-3.3	-1.9	-5.9	-0.0	27.8	3.6	14.5	-1.9	-5.9	-0.0
				Viento +Y exc.-	35.2	-0.8	-5.3	-0.7	-8.0	-0.0	35.2	1.2	19.0	-0.7	-8.0	-0.0
				Viento -Y exc.+	-27.8	2.1	3.3	1.9	5.9	0.0	-27.8	-3.6	-14.5	1.9	5.9	0.0
				Viento -Y exc.-	-35.2	0.8	5.3	0.7	8.0	0.0	-35.2	-1.2	-19.0	0.7	8.0	0.0
				Peso propio	908.8	3.4	-0.6	1.7	-3.4	0.0	875.7	-4.6	15.9	1.7	-3.4	0.0
				Cargas muertas	217.8	-0.1	3.6	0.8	2.9	0.0	217.8	-4.0	-10.1	0.8	2.9	0.0
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	298.4	3.0	12.1	0.9	3.0	0.0	298.4	-1.5	-2.2	0.9	3.0	0.0
				Viento +X exc.+	-1.5	44.6	1.8	14.4	0.6	-0.1	-1.5	-24.5	-1.0	14.4	0.6	-0.1
				Viento +X exc.-	-1.6	45.3	1.4	14.7	0.4	-0.0	-1.6	-24.8	-0.7	14.7	0.4	-0.0
				Viento -X exc.+	1.5	-44.6	-1.8	-14.4	-0.6	0.1	1.5	24.5	1.0	-14.4	-0.6	0.1
				Viento -X exc.-	1.6	-45.3	-1.4	-14.7	-0.4	0.0	1.6	24.8	0.7	-14.7	-0.4	0.0
	P. primera +5.35	Diámetro 60	-0.10/4.78	Viento +Y exc.+	9.7	15.9	54.1	5.1	18.1	0.3	9.7	-8.3	-32.7	5.1	18.1	0.3
				Viento +Y exc.-	11.0	5.1	61.1	1.6	20.5	0.1	11.0	-2.6	-37.0	1.6	20.5	0.1
				Viento -Y exc.+	-9.7	-15.9	-54.1	-5.1	-18.1	-0.3	-9.7	8.3	32.7	-5.1	-18.1	-0.3
				Viento -Y exc.-	-11.0	-5.1	-61.1	-1.6	-20.5	-0.1	-11.0	2.6	37.0	-1.6	-20.5	-0.1
				Peso propio	1571.1	2.0	5.7	0.6	4.5	0.0	1537.2	-0.9	-16.1	0.6	4.5	0.0
				Cargas muertas	397.1	-3.4	-2.4	-1.8	-1.6	0.0	397.1	5.4	5.4	-1.8	-1.6	0.0
				H 1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	-0.1	0.1	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	489.7	2.1	8.0	1.1	4.9	0.0	489.7	-3.2	-16.0	1.1	4.9	0.0
				Viento +X exc.+	-4.6	39.5	1.8	14.4	0.7	-0.0	-4.6	-30.7	-1.8	14.4	0.7	-0.0
				Viento +X exc.-	-4.9	40.0	1.4	14.6	0.6	-0.0	-4.9	-31.1	-1.5	14.6	0.6	-0.0
				Viento -X exc.+	4.6	-39.5	-1.8	-14.4	-0.7	0.0	4.6	30.7	1.8	-14.4	-0.7	0.0
				Viento -X exc.-	4.9	-40.0	-1.4	-14.6	-0.6	0.0	4.9	31.1	1.5	-14.6	-0.6	0.0
	P. Baja +0.00	60x60	-3.60/-0.57	Viento +Y exc.+	29.8	8.8	47.4	3.1	15.2	0.2	29.8	-6.2	-26.9	3.1	15.2	0.2
				Viento +Y exc.-	34.5	2.6	53.5	0.9	17.2	0.0	34.5	-1.9	-30.6	0.9	17.2	0.0
				Viento -Y exc.+	-29.8	-8.8	-47.4	-3.1	-15.2	-0.2	-29.8	6.2	26.9	-3.1	-15.2	-0.2
				Viento -Y exc.-	-34.5	-2.6	-53.5	-0.9	-17.2	-0.0	-34.5	1.9	30.6	-0.9	-17.2	-0.0
				Peso propio	2386.1	-2.1	-17.2	-1.9	-16.4	0.0	2359.4	3.6	32.6	-1.9	-16.4	0.0
				Cargas muertas	663.4	-3.3	-1.3	-3.0	-1.4	0.0	663.4	5.8	2.8	-3.0	-1.4	0.0
				H 1	0.3	0.1	-0.1	0.1	-0.1	0.0	0.3	-0.3	0.2	0.1	-0.1	0.0
				Sobrecarga de uso	676.9	-0.6	-4.4	-0.6	-4.2	0.0	676.9	1.1	8.3	-0.6	-4.2	0.0
				Viento +X exc.+	-4.5	-8.5	-0.2	-8.1	-0.3	0.0	-4.5	16.0	0.6	-8.1	-0.3	0.0
				Viento +X exc.-	-4.8	-8.6	-0.2	-8.2	-0.2	0.0	-4.8	16.2	0.5	-8.2	-0.2	0.0
				Viento -X exc.+	4.5	8.5	0.2	8.1	0.3	0.0	4.5	-16.0	-0.6	8.1	0.3	0.0
				Viento -X exc.-	4.8	8.6	0.2	8.2	0.2	0.0	4.8	-16.2	-0.5	8.2	0.2	0.0
				Viento +Y exc.+	30.6	-2.1	-5.1	-1.9	-7.5	-0.0	30.6	3.7	17.5	-1.9	-7.5	-0.0
				Viento +Y exc.-	35.4	-0.8	-5.9	-0.7	-8.5	-0.0	35.4	1.2	19.9	-0.7	-8.5	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P71	P. segunda +10.70	50x90	5.25/10.03	Viento -Y exc.+	-30.6	2.1	5.1	1.9	7.5	0.0	-30.6	-3.7	-17.5	1.9	7.5	0.0
				Viento -Y exc.-	-35.4	0.8	5.9	0.7	8.5	0.0	-35.4	-1.2	-19.9	0.7	8.5	0.0
				Peso propio	1168.9	-34.2	119.3	-10.4	31.4	0.0	1116.1	15.4	-30.7	-10.4	31.4	0.0
				Cargas muertas	634.2	-22.3	118.7	-10.8	54.9	0.0	634.2	29.4	-144.0	-10.8	54.9	0.0
				H 1	-0.0	-0.0	0.3	-0.0	0.0	0.0	-0.0	0.0	0.1	-0.0	0.0	0.0
				Sobrecarga de uso	380.9	-6.0	50.9	-2.1	18.8	0.0	380.9	4.0	-39.1	-2.1	18.8	0.0
				Viento +X exc.+	2.4	55.0	1.1	18.4	0.3	-0.1	2.4	-32.9	-0.3	18.4	0.3	-0.1
				Viento +X exc.-	2.4	55.8	1.0	18.7	0.2	-0.1	2.4	-33.4	-0.2	18.7	0.2	-0.1
				Viento -X exc.+	-2.4	-55.0	-1.1	-18.4	-0.3	0.1	-2.4	32.9	0.3	-18.4	-0.3	0.1
				Viento -X exc.-	-2.4	-55.8	-1.0	-18.7	-0.2	0.1	-2.4	33.4	0.2	-18.7	-0.2	0.1
				Viento +Y exc.+	10.5	19.4	156.0	6.4	57.2	0.6	10.5	-11.0	-117.6	6.4	57.2	0.6
				Viento +Y exc.-	9.6	5.8	158.6	1.9	58.3	0.2	9.6	-3.3	-120.2	1.9	58.3	0.2
				Viento -Y exc.+	-10.5	-19.4	-156.0	-6.4	-57.2	-0.6	-10.5	11.0	117.6	-6.4	-57.2	-0.6
				Viento -Y exc.-	-9.6	-5.8	-158.6	-1.9	-58.3	-0.2	-9.6	3.3	120.2	-1.9	-58.3	-0.2
	P. primera +5.35	50x90	-0.10/4.78	Peso propio	2052.6	-10.5	113.1	-8.5	57.0	0.0	1998.7	30.9	-164.9	-8.5	57.0	0.0
				Cargas muertas	918.0	4.4	38.1	1.2	14.8	0.0	918.0	-1.4	-34.3	1.2	14.8	0.0
				H 1	0.1	-0.2	-1.1	-0.1	-0.2	0.0	0.1	0.2	-0.1	-0.1	-0.2	0.0
				Sobrecarga de uso	568.3	-4.0	33.9	-1.9	15.6	0.0	568.3	5.3	-42.3	-1.9	15.6	0.0
				Viento +X exc.+	3.2	52.4	0.6	17.5	0.7	-0.1	3.2	-32.9	-2.6	17.5	0.7	-0.1
				Viento +X exc.-	3.3	53.0	0.5	17.7	0.6	-0.1	3.3	-33.2	-2.6	17.7	0.6	-0.1
				Viento -X exc.+	-3.2	-52.4	-0.6	-17.5	-0.7	0.1	-3.2	32.9	2.6	-17.5	-0.7	0.1
				Viento -X exc.-	-3.3	-53.0	-0.5	-17.7	-0.6	0.1	-3.3	33.2	2.6	-17.7	-0.6	0.1
				Viento +Y exc.+	33.2	10.9	173.6	3.2	35.0	0.3	33.2	-4.6	3.0	3.2	35.0	0.3
				Viento +Y exc.-	31.9	3.0	176.8	0.8	35.7	0.1	31.9	-1.0	2.6	0.8	35.7	0.1
				Viento -Y exc.+	-33.2	-10.9	-173.6	-3.2	-35.0	-0.3	-33.2	4.6	-3.0	-3.2	-35.0	-0.3
				Viento -Y exc.-	-31.9	-3.0	-176.8	-0.8	-35.7	-0.1	-31.9	1.0	-2.6	-0.8	-35.7	-0.1
	P. Baja +0.00	60x110	-3.60/-0.57	Peso propio	2990.4	9.4	11.0	8.8	7.3	0.0	2941.4	-17.3	-11.3	8.8	7.3	0.0
				Cargas muertas	1232.5	6.9	31.7	6.5	31.1	0.0	1232.5	-12.7	-62.5	6.5	31.1	0.0
				H 1	-2.5	0.1	-2.2	0.1	-2.4	0.0	-2.5	-0.3	5.1	0.1	-2.4	0.0
				Sobrecarga de uso	819.0	-5.6	13.9	-5.1	13.1	0.0	819.0	9.9	-25.8	-5.1	13.1	0.0
				Viento +X exc.+	2.0	-12.6	0.6	-12.1	0.2	-0.0	2.0	24.1	-0.1	-12.1	0.2	-0.0
				Viento +X exc.-	2.1	-12.7	0.5	-12.2	0.2	0.0	2.1	24.3	-0.2	-12.2	0.2	0.0
				Viento -X exc.+	-2.0	12.6	-0.6	12.1	-0.2	0.0	-2.0	-24.1	0.1	12.1	-0.2	0.0
				Viento -X exc.-	-2.1	12.7	-0.5	12.2	-0.2	0.0	-2.1	-24.3	0.2	12.2	-0.2	0.0
				Viento +Y exc.+	33.5	-2.8	-27.1	-2.5	-46.3	-0.0	33.5	4.9	113.1	-2.5	-46.3	-0.0
				Viento +Y exc.-	32.5	-1.0	-25.7	-0.8	-46.4	-0.0	32.5	1.3	114.9	-0.8	-46.4	-0.0
				Viento -Y exc.+	-33.5	2.8	27.1	2.5	46.3	0.0	-33.5	-4.9	-113.1	2.5	46.3	0.0
				Viento -Y exc.-	-32.5	1.0	25.7	0.8	46.4	0.0	-32.5	-1.3	-114.9	0.8	46.4	0.0
P72	P. segunda +10.70	50x90	5.25/10.03	Peso propio	1162.4	4.1	112.6	2.4	42.5	0.0	1109.6	-7.3	-90.4	2.4	42.5	0.0
				Cargas muertas	340.6	9.9	51.2	5.3	28.8	0.0	340.6	-15.6	-86.6	5.3	28.8	0.0
				H 1	-0.0	0.1	0.5	0.0	0.1	0.0	-0.0	0.0	0.1	0.0	0.1	0.0
				Sobrecarga de uso	384.4	-0.5	44.9	0.2	22.8	0.0	384.4	-1.6	-64.1	0.2	22.8	0.0
				Viento +X exc.+	-0.7	51.2	-3.4	17.6	-1.3	-0.1	-0.7	-33.1	2.9	17.6	-1.3	-0.1
				Viento +X exc.-	-0.6	52.1	-2.7	17.9	-1.0	-0.1	-0.6	-33.7	2.3	17.9	-1.0	-0.1
				Viento -X exc.+	0.7	-51.2	3.4	-17.6	1.3	0.1	0.7	33.1	-2.9	-17.6	1.3	0.1
				Viento -X exc.-	0.6	-52.1	2.7	-17.9	1.0	0.1	0.6	33.7	-2.3	-17.9	1.0	0.1
				Viento +Y exc.+	9.3	20.1	172.7	6.6	62.7	0.6	9.3	-11.6	-126.8	6.6	62.7	0.6
				Viento +Y exc.-	8.7	6.3	160.6	2.1	58.4	0.2	8.7	-3.6	-118.7	2.1	58.4	0.2
				Viento -Y exc.+	-9.3	-20.1	-172.7	-6.6	-62.7	-0.6	-9.3	11.6	126.8	-6.6	-62.7	-0.6
				Viento -Y exc.-	-8.7	-6.3	-160.6	-2.1	-58.4	-0.2	-8.7	3.6	118.7	-2.1	-58.4	-0.2
	P. primera +5.35	Diámetro 90	-0.10/4.78	Peso propio	2070.2	7.9	74.5	1.3	34.8	0.1	1994.0	1.8	-95.6	1.3	34.8	0.1
				Cargas muertas	589.7	0.3	7.3	-1.5	-0.5	0.0	589.7	7.5	9.6	-1.5	-0.5	0.0
				H 1	0.2	-0.5	-1.6	-0.2	-0.3	0.0	0.2	0.4	-0.1	-0.2	-0.3	0.0
				Sobrecarga de uso	587.5	2.7	20.2	-0.4	6.0	0.0	587.5	4.9	-9.2	-0.4	6.0	0.0
				Viento +X exc.+	-2.9	144.2	-5.3	45.6	-0.9	-0.2	-2.9	-78.3	-0.7	45.6	-0.9	-0.2
				Viento +X exc.-	-2.8	145.8	-4.3	46.1	-0.7	-0.1	-2.8	-79.0	-0.7	46.1	-0.7	-0.1
				Viento -X exc.+	2.9	-144.2	5.3	-45.6	0.9	0.2	2.9	78.3	0.7	-45.6	0.9	0.2
				Viento -X exc.-	2.8	-145.8	4.3	-46.1	0.7	0.1	2.8	79.0	0.7	-46.1	0.7	0.1
				Viento +Y exc.+	34.0	32.2	199.6	9.5	39.4	0.9	34.0	-14.2	7.2	9.5	39.4	0.9
				Viento +Y exc.-	32.2	9.0	186.7	2.6	37.0	0.2	32.2	-3.6	5.9	2.6	37.0	0.2
				Viento -Y exc.+	-34.0	-32.2	-199.6	-9.5	-39.4	-0.9	-34.0	14.2	-7.2	-9.5	-39.4	-0.9
				Viento -Y exc.-	-32.2	-9.0	-186.7	-2.6	-37.0	-0.2	-32.2	3.6	-5.9	-2.6	-37.0	-0.2
	P. Baja +0.00	80x90	-3.60/-0.57	Peso propio	2975.4	-4.5	-5.4	-4.0	-7.8	-0.0	2921.9	7.7	18.3	-4.0	-7.8	-0.0
				Cargas muertas	854.9	-0.4	7.8	-0.2	6.8	0.0	854.9	0.1	-12.8	-0.2	6.8	0.0
				H 1	-3.1	-0.0	-2.6	0.1	-2.7	0.0	-3.1	-0.2	5.6	0.1	-2.7	0.0
				Sobrecarga de uso	852.8	4.0	15.6	3.9	14.5	0.0	852.8	-7.8	-28.2	3.9	14.5	0.0
				Viento +X exc.+	-3.4	-44.4	2.2	-43.2	2.0	-0.0	-3.4	86.5	-3.7	-43.2	2.0	-0.0
				Viento +X exc.-	-3.3	-44.9	1.8	-43.7	1.6	-0.0	-3.3	87.5	-3.0	-43.7	1.6	-0.0
				Viento -X exc.+	3.4	44.4	-2.2	43.2	-2.0	0.0	3.4	-86.5	3.7	43.2	-2.0	0.0
				Viento -X exc.-	3.3	44.9	-1.8	43.7	-1.6	0.0	3.3	-87.5	3.0	43.7	-1.6	0.0
				Viento +Y exc.+	34.2	-10.7	-46.2	-10.1	-57.7	-0.0	34.2	19.8	128.5	-10.1	-57.7	-0.0
				Viento +Y exc.-	32.4	-3.6	-40.3	-3.1	-52.7	-0.0	32.4	5.9	119.4	-3.1	-52.7	-0.0
				Viento -Y exc.+	-34.2	10.7	46.2	10.1	57.7	0.0	-34.2	-19.8	-128.5	10.1	57.7	0.0
				Viento -Y exc.-	-32.4	3.6	40.3	3.1	52.7	0.0	-32.4	-5.9	-119.4	3.1	52.7	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P73	P. segunda +10.70	50x90	5.25/10.03	Peso propio	1128.3	3.4	123.6	0.7	51.3	0.0	1075.6	0.2	-121.6	0.7	51.3	0.0
				Cargas muertas	349.7	-3.9	32.0	-3.1	19.2	0.0	349.7	10.8	-59.6	-3.1	19.2	0.0
				H 1	-0.0	-0.0	0.6	-0.0	0.1	0.0	-0.0	0.0	0.1	-0.0	0.1	0.0
				Sobrecarga de uso	372.7	2.1	50.3	0.6	26.5	0.0	372.7	-0.6	-76.5	0.6	26.5	0.0
				Viento +X exc.+	-1.8	61.1	-7.8	20.0	-2.9	-0.1	-1.8	-34.6	5.9	20.0	-2.9	-0.1
				Viento +X exc.-	-1.7	62.0	-6.1	20.3	-2.2	-0.1	-1.7	-35.1	4.6	20.3	-2.2	-0.1
				Viento -X exc.+	1.8	-61.1	7.8	-20.0	2.9	0.1	1.8	34.6	-5.9	-20.0	2.9	0.1
				Viento -X exc.-	1.7	-62.0	6.1	-20.3	2.2	0.1	1.7	35.1	-4.6	-20.3	2.2	0.1
				Viento +Y exc.+	13.5	20.8	196.8	6.7	71.1	0.6	13.5	-11.3	-143.0	6.7	71.1	0.6
				Viento +Y exc.-	11.8	5.9	169.9	1.9	61.5	0.2	11.8	-3.2	-124.0	1.9	61.5	0.2
				Viento -Y exc.+	-13.5	-20.8	-196.8	-6.7	-71.1	-0.6	-13.5	11.3	143.0	-6.7	-71.1	-0.6
				Viento -Y exc.-	-11.8	-5.9	-169.9	-1.9	-61.5	-0.2	-11.8	3.2	124.0	-1.9	-61.5	-0.2
	P. primera +5.35	50x90	-0.10/4.78	Peso propio	1974.9	3.2	60.1	1.8	27.0	0.0	1921.0	-5.5	-71.6	1.8	27.0	0.0
				Cargas muertas	582.7	2.4	2.4	1.6	-1.7	0.0	582.7	-5.5	10.4	1.6	-1.7	0.0
				H 1	0.1	-0.2	-2.0	-0.1	-0.4	0.0	0.1	0.2	-0.0	-0.1	-0.4	0.0
				Sobrecarga de uso	567.9	1.2	12.9	0.8	3.0	0.0	567.9	-2.5	-1.7	0.8	3.0	0.0
				Viento +X exc.+	-0.2	52.7	-9.8	18.7	-2.2	-0.1	-0.2	-38.6	0.8	18.7	-2.2	-0.1
				Viento +X exc.-	0.1	53.3	-7.9	18.9	-1.8	-0.1	0.1	-39.0	0.8	18.9	-1.8	-0.1
				Viento -X exc.+	0.2	-52.7	9.8	-18.7	2.2	0.1	0.2	38.6	-0.8	-18.7	2.2	0.1
				Viento -X exc.-	-0.1	-53.3	7.9	-18.9	1.8	0.1	-0.1	39.0	-0.8	-18.9	1.8	0.1
				Viento +Y exc.+	41.4	10.9	195.1	3.5	37.1	0.3	41.4	-6.0	14.2	3.5	37.1	0.3
				Viento +Y exc.-	35.9	2.8	169.7	0.8	32.5	0.1	35.9	-1.1	11.1	0.8	32.5	0.1
				Viento -Y exc.+	-41.4	-10.9	-195.1	-3.5	-37.1	-0.3	-41.4	6.0	-14.2	-3.5	-37.1	-0.3
				Viento -Y exc.-	-35.9	-2.8	-169.7	-0.8	-32.5	-0.1	-35.9	1.1	-11.1	-0.8	-32.5	-0.1
	P. Baja +0.00	50x90	-3.60/-0.57	Peso propio	2851.2	-4.9	-6.2	-4.4	-7.6	0.0	2817.7	8.4	16.9	-4.4	-7.6	0.0
				Cargas muertas	849.6	-3.0	-1.3	-2.7	-1.7	0.0	849.6	5.1	3.9	-2.7	-1.7	0.0
				H 1	-3.0	-0.0	-2.2	0.0	-2.3	0.0	-3.0	-0.1	4.6	0.0	-2.3	0.0
				Sobrecarga de uso	781.1	-1.5	6.1	-1.4	5.5	0.0	781.1	2.6	-10.6	-1.4	5.5	0.0
				Viento +X exc.+	0.6	-10.5	3.3	-9.7	3.1	0.0	0.6	19.1	-6.1	-9.7	3.1	0.0
				Viento +X exc.-	1.0	-10.6	2.6	-9.8	2.5	0.0	1.0	19.3	-4.9	-9.8	2.5	0.0
				Viento -X exc.+	-0.6	10.5	-3.3	9.7	-3.1	0.0	-0.6	-19.1	6.1	9.7	-3.1	0.0
				Viento -X exc.-	-1.0	10.6	-2.6	9.8	-2.5	0.0	-1.0	-19.3	4.9	9.8	-2.5	0.0
				Viento +Y exc.+	41.9	-2.4	-46.6	-2.1	-53.1	-0.0	41.9	4.1	114.3	-2.1	-53.1	-0.0
				Viento +Y exc.-	36.2	-0.8	-37.9	-0.7	-45.0	-0.0	36.2	1.2	98.4	-0.7	-45.0	-0.0
				Viento -Y exc.+	-41.9	2.4	46.6	2.1	53.1	0.0	-41.9	-4.1	-114.3	2.1	53.1	0.0
				Viento -Y exc.-	-36.2	0.8	37.9	0.7	45.0	0.0	-36.2	-1.2	-98.4	0.7	45.0	0.0
P74	P. segunda +10.70	50x90	5.25/10.03	Peso propio	1222.7	-7.6	159.4	-2.4	58.2	0.0	1170.0	3.8	-118.7	-2.4	58.2	0.0
				Cargas muertas	542.0	3.9	57.7	2.5	27.7	0.0	542.0	-7.9	-74.5	2.5	27.7	0.0
				H 1	-0.0	-0.0	0.5	-0.0	0.1	0.0	-0.0	0.0	0.1	-0.0	0.1	0.0
				Sobrecarga de uso	395.7	-2.0	62.6	-0.7	29.0	0.0	395.7	1.5	-75.8	-0.7	29.0	0.0
				Viento +X exc.+	-0.5	60.6	-10.9	20.0	-4.1	-0.1	-0.5	-34.9	8.6	20.0	-4.1	-0.1
				Viento +X exc.-	-0.3	61.5	-8.4	20.3	-3.1	-0.1	-0.3	-35.4	6.7	20.3	-3.1	-0.1
				Viento -X exc.+	0.5	-60.6	10.9	-20.0	4.1	0.1	0.5	34.9	-8.6	-20.0	4.1	0.1
				Viento -X exc.-	0.3	-61.5	8.4	-20.3	3.1	0.1	0.3	35.4	-6.7	-20.3	3.1	0.1
				Viento +Y exc.+	15.6	20.5	217.7	6.7	78.9	0.6	15.6	-11.4	-159.7	6.7	78.9	0.6
				Viento +Y exc.-	12.5	5.8	176.1	1.9	64.0	0.2	12.5	-3.3	-129.8	1.9	64.0	0.2
				Viento -Y exc.+	-15.6	-20.5	-217.7	-6.7	-78.9	-0.6	-15.6	11.4	159.7	-6.7	-78.9	-0.6
				Viento -Y exc.-	-12.5	-5.8	-176.1	-1.9	-64.0	-0.2	-12.5	3.3	129.8	-1.9	-64.0	-0.2
	P. primera +5.35	50x90	-0.10/4.78	Peso propio	2043.5	-3.7	86.6	-2.2	43.8	0.0	1989.7	7.2	-127.1	-2.2	43.8	0.0
				Cargas muertas	748.5	-1.1	11.3	-0.8	4.5	0.0	748.5	3.1	-10.6	-0.8	4.5	0.0
				H 1	0.2	-0.2	-1.8	-0.1	-0.3	0.0	0.2	0.2	-0.1	-0.1	-0.3	0.0
				Sobrecarga de uso	572.5	-1.9	27.8	-0.8	10.5	0.0	572.5	1.8	-23.3	-0.8	10.5	0.0
				Viento +X exc.+	-2.8	52.5	-15.0	18.5	-3.3	-0.1	-2.8	-37.6	1.3	18.5	-3.3	-0.1
				Viento +X exc.-	-2.2	53.1	-11.9	18.7	-2.7	-0.1	-2.2	-38.0	1.3	18.7	-2.7	-0.1
				Viento -X exc.+	2.8	-52.5	15.0	-18.5	3.3	0.1	2.8	37.6	-1.3	-18.5	3.3	0.1
				Viento -X exc.-	2.2	-53.1	11.9	-18.7	2.7	0.1	2.2	38.0	-1.3	-18.7	2.7	0.1
				Viento +Y exc.+	46.4	10.7	225.0	3.3	43.3	0.3	46.4	-5.4	13.6	3.3	43.3	0.3
				Viento +Y exc.-	37.7	2.7	183.5	0.7	35.6	0.1	37.7	-0.8	9.8	0.7	35.6	0.1
				Viento -Y exc.+	-46.4	-10.7	-225.0	-3.3	-43.3	-0.3	-46.4	5.4	-13.6	-3.3	-43.3	-0.3
				Viento -Y exc.-	-37.7	-2.7	-183.5	-0.7	-35.6	-0.1	-37.7	0.8	-9.8	-0.7	-35.6	-0.1
	P. Baja +0.00	60x120	-3.60/-0.57	Peso propio	2936.5	-5.2	-17.4	-4.7	-19.4	0.0	2899.3	9.0	41.5	-4.7	-19.4	0.0
				Cargas muertas	1025.1	-1.1	-7.0	-1.0	-7.6	0.0	1025.1	1.9	15.9	-1.0	-7.6	0.0
				H 1	-3.1	0.0	-2.4	0.0	-2.6	0.0	-3.1	-0.1	5.4	0.0	-2.6	0.0
				Sobrecarga de uso	821.1	-2.7	12.0	-2.5	11.3	0.0	821.1	4.7	-22.3	-2.5	11.3	0.0
				Viento +X exc.+	-2.9	-11.0	5.0	-10.3	4.9	0.0	-2.9	20.2	-9.9	-10.3	4.9	0.0
				Viento +X exc.-	-2.3	-11.2	4.0	-10.4	3.9	0.0	-2.3	20.4	-7.9	-10.4	3.9	0.0
				Viento -X exc.+	2.9	11.0	-5.0	10.3	-4.9	0.0	2.9	-20.2	9.9	10.3	-4.9	0.0
				Viento -X exc.-	2.3	11.2	-4.0	10.4	-3.9	0.0	2.3	-20.4	7.9	10.4	-3.9	0.0
				Viento +Y exc.+	46.7	-2.5	-54.0	-2.3	-64.5	-0.0	46.7	4.3	141.4	-2.3	-64.5	-0.0
				Viento +Y exc.-	38.0	-0.9	-39.9	-0.7	-50.8	-0.0	38.0	1.3	114.0	-0.7	-50.8	-0.0
				Viento -Y exc.+	-46.7	2.5	54.0	2.3	64.5	0.0	-46.7	-4.3	-141.4	2.3	64.5	0.0
				Viento -Y exc.-	-38.0	0.9	39.9	0.7	50.8	0.0	-38.0	-1.3	-114.0	0.7	50.8	0.0
P75	P. segunda +10.70	50x90	5.25/10.03	Peso propio	1114.7	2.8	149.0	0.4	55.1	0.0	1062.0	1.0	-114.3	0.4	55.1	0.0
				Cargas muertas	324.6	-0.8	58.9	-1.0	29.5	0.0	324.6	3.7	-82.2	-1.0	29.5	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza																																																																																																																																																																																																																														
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)																																																																																																																																																																																																																									
				H 1	-0.0	0.0	0.6	-0.0	0.1	0.0	-0.0	0.0	0.1	-0.0	0.1	0.0																																																																																																																																																																																																																									
				Sobrecarga de uso	375.0	0.4	57.9	-0.0	27.4	0.0	375.0	0.4	-73.1	-0.0	27.4	0.0																																																																																																																																																																																																																									
				Viento +X exc.+	-1.2	59.2	-13.7	19.5	-5.2	-0.1	-1.2	-34.2	11.2	19.5	-5.2	-0.1																																																																																																																																																																																																																									
				Viento +X exc.-	-0.9	60.1	-10.2	19.8	-3.9	-0.1	-0.9	-34.7	8.5	19.8	-3.9	-0.1																																																																																																																																																																																																																									
				Viento -X exc.+	1.2	-59.2	13.7	-19.5	5.2	0.1	1.2	34.2	-11.2	-19.5	5.2	0.1																																																																																																																																																																																																																									
				Viento -X exc.-	0.9	-60.1	10.2	-19.8	3.9	0.1	0.9	34.7	-8.5	-19.8	3.9	0.1																																																																																																																																																																																																																									
				Viento +Y exc.+	14.8	21.1	236.2	6.9	85.4	0.6	14.8	-11.7	-172.1	6.9	85.4	0.6																																																																																																																																																																																																																									
				Viento +Y exc.-	11.3	6.5	180.4	2.1	65.4	0.2	11.3	-3.6	-132.1	2.1	65.4	0.2																																																																																																																																																																																																																									
				Viento -Y exc.+	-14.8	-21.1	-236.2	-6.9	-85.4	-0.6	-14.8	11.7	172.1	-6.9	-85.4	-0.6																																																																																																																																																																																																																									
				Viento -Y exc.-	-11.3	-6.5	-180.4	-2.1	-65.4	-0.2	-11.3	3.6	132.1	-2.1	-65.4	-0.2																																																																																																																																																																																																																									
	P. primera +5.35	50x90	-0.10/4.78	Peso propio	1930.2	2.4	83.2	1.5	41.2	0.0	1876.3	-5.1	-118.0	1.5	41.2	0.0																																																																																																																																																																																																																									
				Cargas muertas	534.4	1.7	13.7	0.9	4.2	0.0	534.4	-2.6	-6.9	0.9	4.2	0.0																																																																																																																																																																																																																									
				H 1	0.2	-0.2	-2.0	-0.1	-0.4	0.0	0.2	0.2	-0.1	-0.1	-0.4	0.0																																																																																																																																																																																																																									
				Sobrecarga de uso	550.0	-0.7	34.1	-0.1	11.8	0.0	550.0	-0.5	-23.4	-0.1	11.8	0.0																																																																																																																																																																																																																									
				Viento +X exc.+	-2.8	51.4	-18.6	17.9	-3.9	-0.1	-2.8	-36.1	0.7	17.9	-3.9	-0.1																																																																																																																																																																																																																									
				Viento +X exc.-	-2.0	52.0	-14.6	18.1	-3.2	-0.1	-2.0	-36.4	0.8	18.1	-3.2	-0.1																																																																																																																																																																																																																									
				Viento -X exc.+	2.8	-51.4	18.6	-17.9	3.9	0.1	2.8	36.1	-0.7	-17.9	3.9	0.1																																																																																																																																																																																																																									
				Viento -X exc.-	2.0	-52.0	14.6	-18.1	3.2	0.1	2.0	36.4	-0.8	-18.1	3.2	0.1																																																																																																																																																																																																																									
				Viento +Y exc.+	47.7	10.9	233.3	3.5	43.3	0.3	47.7	-6.0	22.3	3.5	43.3	0.3																																																																																																																																																																																																																									
				Viento +Y exc.-	36.6	3.0	179.8	0.9	33.6	0.1	36.6	-1.5	15.9	0.9	33.6	0.1																																																																																																																																																																																																																									
	P. Baja +0.00	50x90	-3.60/-0.57	Viento -Y exc.+	-47.7	-10.9	-233.3	-3.5	-43.3	-0.3	-47.7	6.0	-22.3	-3.5	-43.3	-0.3																																																																																																																																																																																																																									
				Viento -Y exc.-	-36.6	-3.0	-179.8	-0.9	-33.6	-0.1	-36.6	1.5	-15.9	-0.9	-33.6	-0.1																																																																																																																																																																																																																									
				Peso propio	2808.8	-5.8	-15.7	-5.2	-16.7	0.0	2775.4	10.0	35.0	-5.2	-16.7	0.0																																																																																																																																																																																																																									
				Cargas muertas	801.3	-1.7	-1.8	-1.5	-2.2	0.0	801.3	2.8	4.8	-1.5	-2.2	0.0																																																																																																																																																																																																																									
				H 1	-3.0	0.0	-2.2	0.0	-2.3	0.0	-3.0	-0.1	4.7	0.0	-2.3	0.0																																																																																																																																																																																																																									
				Sobrecarga de uso	805.7	-2.6	16.0	-2.4	15.1	0.0	805.7	4.6	-29.8	-2.4	15.1	0.0																																																																																																																																																																																																																									
				Viento +X exc.+	-2.8	-10.3	5.9	-9.6	5.7	0.0	-2.8	18.9	-11.5	-9.6	5.7	0.0																																																																																																																																																																																																																									
				Viento +X exc.-	-2.1	-10.5	4.7	-9.7	4.5	0.0	-2.1	19.1	-9.0	-9.7	4.5	0.0																																																																																																																																																																																																																									
				Viento -X exc.+	2.8	10.3	-5.9	9.6	-5.7	0.0	2.8	-18.9	11.5	9.6	-5.7	0.0																																																																																																																																																																																																																									
				Viento -X exc.-	2.1	10.5	-4.7	9.7	-4.5	0.0	2.1	-19.1	9.0	9.7	-4.5	0.0																																																																																																																																																																																																																									
	P76	P. segunda +10.70	50x90	5.25/10.03	Viento +Y exc.+	47.7	-2.5	-59.3	-2.2	-65.2	-0.0	47.7	4.3	138.2	-2.2	-65.2	-0.0																																																																																																																																																																																																																								
					Viento +Y exc.-	36.7	-0.9	-42.2	-0.7	-48.6	-0.0	36.7	1.4	105.1	-0.7	-48.6	-0.0																																																																																																																																																																																																																								
					Viento -Y exc.+	-47.7	2.5	59.3	2.2	65.2	0.0	-47.7	-4.3	-138.2	2.2	65.2	0.0																																																																																																																																																																																																																								
					Viento -Y exc.-	-36.7	0.9	42.2	0.7	48.6	0.0	-36.7	-1.4	-105.1	0.7	48.6	0.0																																																																																																																																																																																																																								
					Peso propio	1156.8	-4.0	130.5	-1.1	51.2	0.0	1104.0	1.5	-114.4	-1.1	51.2	0.0																																																																																																																																																																																																																								
					Cargas muertas	385.5	-0.3	56.2	0.4	32.8	0.0	385.5	-2.3	-100.7	0.4	32.8	0.0																																																																																																																																																																																																																								
					H 1	-0.0	0.0	0.6	-0.0	0.1	0.0	-0.0	0.0	0.1	-0.0	0.1	0.0																																																																																																																																																																																																																								
					Sobrecarga de uso	387.5	-2.8	53.3	-0.8	26.3	0.0	387.5	1.1	-72.5	-0.8	26.3	0.0																																																																																																																																																																																																																								
					Viento +X exc.+	-1.2	59.3	-18.0	19.6	-6.8	-0.1	-1.2	-34.3	14.5	19.6	-6.8	-0.1																																																																																																																																																																																																																								
					Viento +X exc.-	-1.0	60.2	-13.5	19.9	-5.1	-0.1	-1.0	-34.8	11.1	19.9	-5.1	-0.1																																																																																																																																																																																																																								
P. primera +5.35		50x90	-0.10/4.78	Viento -X exc.+	1.2	-59.3	18.0	-19.6	6.8	0.1	1.2	34.3	-14.5	-19.6	6.8	0.1																																																																																																																																																																																																																									
				Viento -X exc.-	1.0	-60.2	13.5	-19.9	5.1	0.1	1.0	34.8	-11.1	-19.9	5.1	0.1																																																																																																																																																																																																																									
				Viento +Y exc.+	13.1	21.3	267.5	6.9	96.9	0.6	13.1	-11.6	-195.5	6.9	96.9	0.6																																																																																																																																																																																																																									
				Viento +Y exc.-	9.7	6.6	194.2	2.1	70.4	0.2	9.7	-3.5	-142.5	2.1	70.4	0.2																																																																																																																																																																																																																									
				Viento -Y exc.+	-13.1	-21.3	-267.5	-6.9	-96.9	-0.6	-13.1	11.6	195.5	-6.9	-96.9	-0.6																																																																																																																																																																																																																									
				Viento -Y exc.-	-9.7	-6.6	-194.2	-2.1	-70.4	-0.2	-9.7	3.5	142.5	-2.1	-70.4	-0.2																																																																																																																																																																																																																									
				Peso propio	1987.6	1.7	75.3	-0.2	34.7	0.0	1933.7	2.5	-93.9	-0.2	34.7	0.0																																																																																																																																																																																																																									
				Cargas muertas	609.3	0.3	6.2	-0.4	-1.8	0.0	609.3	2.5	14.7	-0.4	-1.8	0.0																																																																																																																																																																																																																									
				H 1	0.2	-0.2	-1.9	-0.1	-0.4	0.0	0.2	0.2	-0.2	-0.1	-0.4	0.0																																																																																																																																																																																																																									
				Sobrecarga de uso	576.8	3.2	23.9	0.5	7.8	0.0	576.8	0.6	-14.1	0.5	7.8	0.0																																																																																																																																																																																																																									
P. Baja +0.00		50x90	-3.60/-0.57	Viento +X exc.+	-5.1	51.2	-23.4	17.9	-5.2	-0.1	-5.1	-36.1	1.9	17.9	-5.2	-0.1																																																																																																																																																																																																																									
				Viento +X exc.-	-4.2	51.8	-18.5	18.1	-4.2	-0.1	-4.2	-36.4	2.0	18.1	-4.2	-0.1																																																																																																																																																																																																																									
				Viento -X exc.+	5.1	-51.2	23.4	-17.9	5.2	0.1	5.1	36.1	-1.9	-17.9	5.2	0.1																																																																																																																																																																																																																									
				Viento -X exc.-	4.2	-51.8	18.5	-18.1	4.2	0.1	4.2	36.4	-2.0	-18.1	4.2	0.1																																																																																																																																																																																																																									
				Viento +Y exc.+	48.2	11.1	254.8	3.6	48.3	0.3	48.2	-6.4	19.3	3.6	48.3	0.3																																																																																																																																																																																																																									
				Viento +Y exc.-	35.5	3.2	186.7	1.0	35.6	0.1	35.5	-1.8	13.0	1.0	35.6	0.1																																																																																																																																																																																																																									
				Viento -Y exc.+	-48.2	-11.1	-254.8	-3.6	-48.3	-0.3	-48.2	6.4	-19.3	-3.6	-48.3	-0.3																																																																																																																																																																																																																									
				Viento -Y exc.-	-35.5	-3.2	-186.7	-1.0	-35.6	-0.1	-35.5	1.8	-13.0	-1.0	-35.6	-0.1																																																																																																																																																																																																																									
				Peso propio	2861.2	-0.6	-13.5	-0.5	-14.6	0.0	2827.7	0.9	30.7	-0.5	-14.6	0.0																																																																																																																																																																																																																									
				Cargas muertas	863.9	0.5	1.5	0.5	1.0	0.0	863.9	-1.0	-1.6	0.5	1.0	0.0																																																																																																																																																																																																																									
P77		P. segunda +10.70	60x60	5.25/10.03	H 1	-3.0	-0.0	-2.1	-0.0	-2.2	0.0	-3.0	-0.0	4.5	-0.0	-2.2	0.0																																																																																																																																																																																																																								
					Sobrecarga de uso	810.7	4.1	8.6	3.8	7.9	0.0	810.7	-7.3	-15.4	3.8	7.9	0.0																																																																																																																																																																																																																								
					Viento +X exc.+	-5.0	-10.6	7.5	-9.9	7.3	0.0	-5.0	19.3	-14.6	-9.9	7.3	0.0																																																																																																																																																																																																																								
					Viento +X exc.-	-4.1	-10.7	5.9	-10.0	5.7	0.0	-4.1	19.6	-11.5	-10.0	5.7	0.0																																																																																																																																																																																																																								
					Viento -X exc.+	5.0	10.6	-7.5	9.9	-7.3	0.0	5.0	-19.3	14.6	9.9	-7.3	0.0																																																																																																																																																																																																																								
					Viento -X exc.-	4.1	10.7	-5.9	10.0	-5.7	0.0	4.1	-19.6	11.5	10.0	-5.7	0.0																																																																																																																																																																																																																								
					Viento +Y exc.+	48.1	-2.5	-67.3	-2.2	-72.8	-0.0	48.1	4.3	153.2	-2.2	-72.8	-0.0																																																																																																																																																																																																																								
					Viento +Y exc.-	35.5	-0.9	-45.6	-0.7	-51.6	-0.0	35.5	1.3	110.9	-0.7	-51.6	-0.0																																																																																																																																																																																																																								
					Viento -Y exc.+	-48.1	2.5	67.3	2.2	72.8	0.0	-48.1	-4.3	-153.2	2.2	72.8	0.0																																																																																																																																																																																																																								
					Viento -Y exc.-	-35.5	0.9	45.6	0.7	51.6	0.0	-35.5	-1.3	-110.9	0.7	51.6	0.0																																																																																																																																																																																																																								
				Peso propio	1092.3	3.6	87.4	0.4	30.5	0.0	1050.1	1.6	-58.5	0.4	30.5	0.0																																																																																																																																																																																																																									
				Cargas muertas	338.1	-2.2	21.2	-1.7	11.6	0.0	338.1	6.0	-34.2	-1.7	11.6	0.0																																																																																																																																																																																																																									
				H 1	-0.0	0.0	0.3	-0.0	0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	0.0																																																																																																																																																																																																																									
				Sobrecarga de uso	367.4	0.8	39.8	0.1	15.8	0.0	367.4	0.3	-35.7	0.1	15.8	0.0																																																																																																																																																																																																																									



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-1.6	63.1	-12.5	21.1	-4.3	-0.1	-1.6	-37.5	8.3	21.1	-4.3	-0.1
				Viento +X exc.-	-1.3	64.2	-9.5	21.4	-3.3	-0.1	-1.3	-38.1	6.3	21.4	-3.3	-0.1
				Viento -X exc.+	1.6	-63.1	12.5	-21.1	4.3	0.1	1.6	37.5	-8.3	-21.1	4.3	0.1
				Viento -X exc.-	1.3	-64.2	9.5	-21.4	3.3	0.1	1.3	38.1	-6.3	-21.4	3.3	0.1
				Viento +Y exc.+	14.5	23.7	154.1	7.6	53.4	0.4	14.5	-12.8	-101.3	7.6	53.4	0.4
				Viento +Y exc.-	10.2	7.6	107.1	2.4	37.2	0.1	10.2	-3.9	-70.6	2.4	37.2	0.1
				Viento -Y exc.+	-14.5	-23.7	-154.1	-7.6	-53.4	-0.4	-14.5	12.8	101.3	-7.6	-53.4	-0.4
				Viento -Y exc.-	-10.2	-7.6	-107.1	-2.4	-37.2	-0.1	-10.2	3.9	70.6	-2.4	-37.2	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1932.4	5.1	52.7	2.6	26.7	0.0	1889.3	-7.7	-77.4	2.6	26.7	0.0
				Cargas muertas	576.1	-3.7	-2.0	-0.7	-1.4	0.0	576.1	-0.3	5.0	-0.7	-1.4	0.0
				H 1	0.2	-0.2	-1.0	-0.1	-0.2	0.0	0.2	0.2	-0.0	-0.1	-0.2	0.0
				Sobrecarga de uso	572.1	-1.1	23.7	-0.1	10.5	0.0	572.1	-0.7	-27.5	-0.1	10.5	0.0
				Viento +X exc.+	-2.8	57.1	-14.5	19.2	-4.3	-0.1	-2.8	-36.4	6.7	19.2	-4.3	-0.1
				Viento +X exc.-	-1.8	57.8	-11.5	19.4	-3.5	-0.0	-1.8	-36.8	5.5	19.4	-3.5	-0.0
				Viento -X exc.+	2.8	-57.1	14.5	-19.2	4.3	0.1	2.8	36.4	-6.7	-19.2	4.3	0.1
				Viento -X exc.-	1.8	-57.8	11.5	-19.4	3.5	0.0	1.8	36.8	-5.5	-19.4	3.5	0.0
				Viento +Y exc.+	48.6	12.7	141.3	4.0	39.0	0.2	48.6	-6.9	-48.8	4.0	39.0	0.2
				Viento +Y exc.-	34.0	3.8	99.0	1.2	27.3	0.1	34.0	-2.2	-34.5	1.2	27.3	0.1
				Viento -Y exc.+	-48.6	-12.7	-141.3	-4.0	-39.0	-0.2	-48.6	6.9	48.8	-4.0	-39.0	-0.2
				Viento -Y exc.-	-34.0	-3.8	-99.0	-1.2	-27.3	-0.1	-34.0	2.2	34.5	-1.2	-27.3	-0.1
	P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	2865.2	-6.0	-12.5	-5.4	-13.1	0.0	2829.5	10.5	27.1	-5.4	-13.1	0.0
				Cargas muertas	887.0	-10.3	-13.3	-9.4	-13.0	0.0	887.0	18.3	26.0	-9.4	-13.0	0.0
				H 1	-3.1	-0.0	-2.7	0.0	-2.7	0.0	-3.1	-0.1	5.4	0.0	-2.7	0.0
				Sobrecarga de uso	804.4	-4.6	15.3	-4.2	14.2	0.0	804.4	8.1	-27.7	-4.2	14.2	0.0
				Viento +X exc.+	-2.1	-13.2	4.3	-12.5	4.2	0.0	-2.1	24.8	-8.3	-12.5	4.2	0.0
				Viento +X exc.-	-1.2	-13.4	3.4	-12.7	3.3	0.0	-1.2	25.0	-6.6	-12.7	3.3	0.0
				Viento -X exc.+	2.1	13.2	-4.3	12.5	-4.2	0.0	2.1	-24.8	8.3	12.5	-4.2	0.0
				Viento -X exc.-	1.2	13.4	-3.4	12.7	-3.3	0.0	1.2	-25.0	6.6	12.7	-3.3	0.0
				Viento +Y exc.+	48.8	-3.1	-31.2	-2.9	-35.8	-0.0	48.8	5.5	77.2	-2.9	-35.8	-0.0
				Viento +Y exc.-	34.2	-1.1	-18.4	-0.9	-23.4	-0.0	34.2	1.7	52.5	-0.9	-23.4	-0.0
				Viento -Y exc.+	-48.8	3.1	31.2	2.9	35.8	0.0	-48.8	-5.5	-77.2	2.9	35.8	0.0
				Viento -Y exc.-	-34.2	1.1	18.4	0.9	23.4	0.0	-34.2	-1.7	-52.5	0.9	23.4	0.0
P78	P. segunda +10.70	60x60	5.25/10.03	Peso propio	1195.8	-6.1	140.7	-1.0	43.6	0.0	1153.6	-1.6	-67.9	-1.0	43.6	0.0
				Cargas muertas	576.8	-3.1	32.8	0.9	14.9	0.0	576.8	-7.3	-38.6	0.9	14.9	0.0
				H 1	-0.0	0.0	0.3	0.0	0.1	0.0	-0.0	0.0	0.0	0.0	0.1	0.0
				Sobrecarga de uso	394.2	-2.4	58.9	-0.6	20.4	0.0	394.2	0.3	-38.5	-0.6	20.4	0.0
				Viento +X exc.+	-1.2	54.8	-13.6	19.1	-4.9	-0.1	-1.2	-36.7	10.0	19.1	-4.9	-0.1
				Viento +X exc.-	-0.9	55.7	-10.1	19.4	-3.7	-0.1	-0.9	-37.2	7.6	19.4	-3.7	-0.1
				Viento -X exc.+	1.2	-54.8	13.6	-19.1	4.9	0.1	1.2	36.7	-10.0	-19.1	4.9	0.1
				Viento -X exc.-	0.9	-55.7	10.1	-19.4	3.7	0.1	0.9	37.2	-7.6	-19.4	3.7	0.1
				Viento +Y exc.+	14.7	20.2	164.6	6.8	58.4	0.4	14.7	-12.4	-114.4	6.8	58.4	0.4
				Viento +Y exc.-	9.9	6.0	110.2	2.0	39.1	0.1	9.9	-3.7	-76.7	2.0	39.1	0.1
				Viento -Y exc.+	-14.7	-20.2	-164.6	-6.8	-58.4	-0.4	-14.7	12.4	114.4	-6.8	-58.4	-0.4
				Viento -Y exc.-	-9.9	-6.0	-110.2	-2.0	-39.1	-0.1	-9.9	3.7	76.7	-2.0	-39.1	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1865.0	-16.8	105.3	-6.8	53.4	0.0	1821.9	16.5	-155.4	-6.8	53.4	0.0
				Cargas muertas	802.1	-9.9	6.0	-5.1	3.0	0.0	802.1	14.8	-8.4	-5.1	3.0	0.0
				H 1	0.1	-0.2	-0.9	-0.1	-0.2	0.0	0.1	0.2	-0.0	-0.1	-0.2	0.0
				Sobrecarga de uso	565.0	-5.2	44.1	-2.1	20.7	0.0	565.0	4.9	-56.7	-2.1	20.7	0.0
				Viento +X exc.+	-2.6	49.9	-15.9	15.2	-4.5	-0.1	-2.6	-24.2	6.0	15.2	-4.5	-0.1
				Viento +X exc.-	-1.5	50.4	-12.4	15.3	-3.5	-0.0	-1.5	-24.4	4.9	15.3	-3.5	-0.0
				Viento -X exc.+	2.6	-49.9	15.9	-15.2	4.5	0.1	2.6	24.2	-6.0	-15.2	4.5	0.1
				Viento -X exc.-	1.5	-50.4	12.4	-15.3	3.5	0.0	1.5	24.4	-4.9	-15.3	3.5	0.0
				Viento +Y exc.+	50.1	10.1	146.3	2.5	39.0	0.2	50.1	-2.0	-43.8	2.5	39.0	0.2
				Viento +Y exc.-	33.5	2.7	98.4	0.6	26.3	0.1	33.5	-0.1	-29.8	0.6	26.3	0.1
				Viento -Y exc.+	-50.1	-10.1	-146.3	-2.5	-39.0	-0.2	-50.1	2.0	43.8	-2.5	-39.0	-0.2
				Viento -Y exc.-	-33.5	-2.7	-98.4	-0.6	-26.3	-0.1	-33.5	0.1	29.8	-0.6	-26.3	-0.1
	P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	2692.3	-22.4	14.2	-20.6	12.3	0.0	2656.6	39.9	-23.1	-20.6	12.3	0.0
				Cargas muertas	1143.8	-6.3	-12.6	-5.8	-12.3	0.0	1143.8	11.1	24.7	-5.8	-12.3	0.0
				H 1	-2.5	-0.0	-2.5	0.0	-2.5	0.0	-2.5	-0.1	5.2	0.0	-2.5	0.0
				Sobrecarga de uso	797.8	-6.5	27.7	-6.0	26.0	0.0	797.8	11.6	-51.0	-6.0	26.0	0.0
				Viento +X exc.+	-1.9	-14.3	5.1	-13.6	4.9	0.0	-1.9	26.7	-9.9	-13.6	4.9	0.0
				Viento +X exc.-	-0.7	-14.5	4.0	-13.7	3.9	0.0	-0.7	27.0	-7.8	-13.7	3.9	0.0
				Viento -X exc.+	1.9	14.3	-5.1	13.6	-4.9	0.0	1.9	-26.7	9.9	13.6	-4.9	0.0
				Viento -X exc.-	0.7	14.5	-4.0	13.7	-3.9	0.0	0.7	-27.0	7.8	13.7	-3.9	0.0
				Viento +Y exc.+	51.2	-3.0	-36.4	-2.7	-40.7	-0.0	51.2	5.3	86.8	-2.7	-40.7	-0.0
				Viento +Y exc.-	34.3	-1.0	-21.2	-0.8	-25.8	-0.0	34.3	1.4	57.1	-0.8	-25.8	-0.0
				Viento -Y exc.+	-51.2	3.0	36.4	2.7	40.7	0.0	-51.2	-5.3	-86.8	2.7	40.7	0.0
				Viento -Y exc.-	-34.3	1.0	21.2	0.8	25.8	0.0	-34.3	-1.4	-57.1	0.8	25.8	0.0
P79	P. segunda +10.70	60x60	5.25/10.03	Peso propio	1123.9	-41.4	77.8	-10.8	27.5	0.0	1081.7	10.4	-53.8	-10.8	27.5	0.0
				Cargas muertas	289.1	-4.5	2.1	-1.1	3.1	0.0	289.1	0.7	-13.0	-1.1	3.1	0.0
				H 1	-0.1	-0.2	0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0
				Sobrecarga de uso	409.2	-13.7	38.5	-3.7	15.2	0.0	409.2	4.2	-34.0	-3.7	15.2	0.0
				Viento +X exc.+	-1.8	60.8	-16.9	20.5	-6.0	-0.1	-1.8	-37.2	11.7	20.5	-6.0	-0.1
				Viento +X exc.-	-1.7	61.7	-12.5	20.8	-4.5	-0.1	-1.7	-37.8	8.8	20.8	-4.5	-0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Viento -X exc.+	1.8	-60.8	16.9	-20.5	6.0	0.1	1.8	37.2	-11.7	-20.5	6.0	0.1
				Viento -X exc.-	1.7	-61.7	12.5	-20.8	4.5	0.1	1.7	37.8	-8.8	-20.8	4.5	0.1
				Viento +Y exc.+	2.9	18.8	195.1	6.6	67.6	0.4	2.9	-12.5	-128.0	6.6	67.6	0.4
				Viento +Y exc.-	2.0	4.6	126.1	1.8	43.7	0.1	2.0	-3.8	-82.8	1.8	43.7	0.1
				Viento -Y exc.+	-2.9	-18.8	-195.1	-6.6	-67.6	-0.4	-2.9	12.5	128.0	-6.6	-67.6	-0.4
				Viento -Y exc.-	-2.0	-4.6	-126.1	-1.8	-43.7	-0.1	-2.0	3.8	82.8	-1.8	-43.7	-0.1
				Peso propio	1950.4	-34.5	76.5	-18.3	32.6	0.0	1907.3	54.8	-82.5	-18.3	32.6	0.0
				Cargas muertas	560.3	-5.6	3.7	-2.7	-0.4	0.0	560.3	7.6	5.9	-2.7	-0.4	0.0
				H 1	0.3	0.7	-0.2	0.1	-0.0	0.0	0.3	0.0	-0.2	0.1	-0.0	0.0
				Sobrecarga de uso	628.2	-10.8	34.7	-5.7	13.9	0.0	628.2	17.1	-33.0	-5.7	13.9	0.0
				Viento +X exc.+	-13.8	57.5	-18.0	18.8	-5.4	-0.1	-13.8	-34.2	8.2	18.8	-5.4	-0.1
				Viento +X exc.-	-13.0	58.1	-14.0	19.0	-4.2	-0.0	-13.0	-34.4	6.5	19.0	-4.2	-0.0
				Viento -X exc.+	13.8	-57.5	18.0	-18.8	5.4	0.1	13.8	34.2	-8.2	-18.8	5.4	0.1
				Viento -X exc.-	13.0	-58.1	14.0	-19.0	4.2	0.0	13.0	34.4	-6.5	-19.0	4.2	0.0
				Viento +Y exc.+	33.3	9.7	159.1	2.0	45.9	0.2	33.3	-0.1	-64.8	2.0	45.9	0.2
				Viento +Y exc.-	22.4	1.8	103.3	-0.0	29.9	0.1	22.4	2.0	-42.5	-0.0	29.9	0.1
				Viento -Y exc.+	-33.3	-9.7	-159.1	-2.0	-45.9	-0.2	-33.3	0.1	64.8	-2.0	-45.9	-0.2
				Viento -Y exc.-	-22.4	-1.8	-103.3	0.0	-29.9	-0.1	-22.4	-2.0	42.5	0.0	-29.9	-0.1
	P. Baja +0.00	80x60	-3.60/-0.57	Peso propio	2770.6	-25.7	28.1	-24.2	25.3	0.0	2734.9	47.7	-48.4	-24.2	25.3	0.0
				Cargas muertas	863.7	-9.2	1.9	-8.6	1.5	0.0	863.7	16.9	-2.8	-8.6	1.5	0.0
				H 1	-8.7	2.4	-0.3	2.3	-0.4	0.0	-8.7	-4.7	0.8	2.3	-0.4	0.0
				Sobrecarga de uso	860.9	-7.1	23.8	-6.7	21.7	0.0	860.9	13.1	-42.1	-6.7	21.7	0.0
				Viento +X exc.+	-14.9	-16.1	5.2	-15.9	4.8	0.0	-14.9	32.2	-9.5	-15.9	4.8	0.0
				Viento +X exc.-	-14.1	-16.2	4.0	-16.1	3.8	0.0	-14.1	32.5	-7.4	-16.1	3.8	0.0
				Viento -X exc.+	14.9	16.1	-5.2	15.9	-4.8	0.0	14.9	-32.2	9.5	15.9	-4.8	0.0
				Viento -X exc.-	14.1	16.2	-4.0	16.1	-3.8	0.0	14.1	-32.5	7.4	16.1	-3.8	0.0
				Viento +Y exc.+	34.8	-2.9	-38.9	-2.7	-39.0	-0.0	34.8	5.2	79.4	-2.7	-39.0	-0.0
				Viento +Y exc.-	23.6	-0.9	-23.0	-0.6	-24.2	-0.0	23.6	1.0	50.3	-0.6	-24.2	-0.0
				Viento -Y exc.+	-34.8	2.9	38.9	2.7	39.0	0.0	-34.8	-5.2	-79.4	2.7	39.0	0.0
				Viento -Y exc.-	-23.6	0.9	23.0	0.6	24.2	0.0	-23.6	-1.0	-50.3	0.6	24.2	0.0
	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	793.1	61.0	17.6	20.0	9.6	0.0	759.9	-34.6	-28.4	20.0	9.6	0.0
				Cargas muertas	238.8	-19.2	-2.9	-3.6	-0.3	0.0	238.8	-1.8	-1.5	-3.6	-0.3	0.0
				H 1	0.0	0.7	-0.0	0.2	-0.0	0.0	0.0	-0.1	0.0	0.2	-0.0	0.0
				Sobrecarga de uso	275.7	22.1	10.0	7.5	5.6	0.0	275.7	-13.7	-16.8	7.5	5.6	0.0
				Viento +X exc.+	6.5	34.5	-12.5	11.8	-4.4	-0.1	6.5	-22.1	8.5	11.8	-4.4	-0.1
				Viento +X exc.-	6.6	35.1	-9.2	12.0	-3.3	-0.0	6.6	-22.5	6.4	12.0	-3.3	-0.0
				Viento -X exc.+	-6.5	-34.5	12.5	-11.8	4.4	0.1	-6.5	22.1	-8.5	-11.8	4.4	0.1
				Viento -X exc.-	-6.6	-35.1	9.2	-12.0	3.3	0.0	-6.6	22.5	-6.4	-12.0	3.3	0.0
				Viento +Y exc.+	2.4	14.5	138.2	4.7	47.5	0.3	2.4	-7.8	-88.8	4.7	47.5	0.3
				Viento +Y exc.-	0.7	4.9	86.4	1.5	29.7	0.1	0.7	-2.4	-55.6	1.5	29.7	0.1
				Viento -Y exc.+	-2.4	-14.5	-138.2	-4.7	-47.5	-0.3	-2.4	7.8	88.8	-4.7	-47.5	-0.3
				Viento -Y exc.-	-0.7	-4.9	-86.4	-1.5	-29.7	-0.1	-0.7	2.4	55.6	-1.5	-29.7	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1405.2	93.6	25.8	42.2	7.0	0.0	1362.2	-112.4	-8.5	42.2	7.0	0.0
				Cargas muertas	646.2	-9.3	6.2	-11.0	0.5	0.0	646.2	44.2	3.9	-11.0	0.5	0.0
				H 1	-0.1	-5.5	-0.1	-1.4	0.0	0.0	-0.1	1.6	-0.1	-1.4	0.0	0.0
				Sobrecarga de uso	416.1	29.1	5.1	13.6	0.9	0.0	416.1	-37.0	0.9	13.6	0.9	0.0
				Viento +X exc.+	22.8	56.5	-24.4	17.9	-7.6	-0.1	22.8	-30.7	12.7	17.9	-7.6	-0.1
				Viento +X exc.-	23.3	57.2	-18.9	18.1	-5.9	-0.0	23.3	-31.1	9.8	18.1	-5.9	-0.0
				Viento -X exc.+	-22.8	-56.5	24.4	-17.9	7.6	0.1	-22.8	30.7	-12.7	-17.9	7.6	0.1
				Viento -X exc.-	-23.3	-57.2	18.9	-18.1	5.9	0.0	-23.3	31.1	-9.8	-18.1	5.9	0.0
				Viento +Y exc.+	14.3	15.1	210.0	4.8	64.7	0.2	14.3	-8.6	-105.6	4.8	64.7	0.2
				Viento +Y exc.-	6.6	5.3	131.5	1.8	40.6	0.1	6.6	-3.6	-66.4	1.8	40.6	0.1
				Viento -Y exc.+	-14.3	-15.1	-210.0	-4.8	-64.7	-0.2	-14.3	8.6	105.6	-4.8	-64.7	-0.2
				Viento -Y exc.-	-6.6	-5.3	-131.5	-1.8	-40.6	-0.1	-6.6	3.6	66.4	-1.8	-40.6	-0.1
	P. Baja +0.00	60x80	-3.60/-0.57	Peso propio	625.3	54.4	1.5	109.3	56.5	-0.8	1497.0	-84.3	1.3	79.3	76.6	2.1
				Cargas muertas	281.4	25.1	0.4	50.5	25.9	-0.3	694.0	-44.3	-2.1	45.8	43.6	0.5
				H 1	54.0	-19.3	-5.0	-41.3	-18.3	1.4	-37.2	5.1	-5.8	17.8	21.5	-2.6
				Sobrecarga de uso	176.6	15.4	0.4	31.4	17.0	-0.2	442.2	-23.8	-1.5	24.0	27.8	0.4
				Viento +X exc.+	41.8	-7.3	1.3	-12.8	2.5	-0.2	-32.4	19.4	-5.4	-18.7	10.6	0.8
				Viento +X exc.-	40.9	-7.3	1.3	-12.9	2.3	-0.1	-33.3	19.7	-4.1	-19.0	7.9	0.7
				Viento -X exc.+	-41.8	7.3	-1.3	12.8	-2.5	0.2	32.4	-19.4	5.4	18.7	-10.6	-0.8
				Viento -X exc.-	-40.9	7.3	-1.3	12.9	-2.3	0.1	33.3	-19.7	4.1	19.0	-7.9	-0.7
				Viento +Y exc.+	-152.8	1.1	3.7	8.7	19.1	0.6	-50.3	4.9	48.4	2.7	-78.5	-3.3
				Viento +Y exc.-	-141.1	1.4	4.5	8.9	22.1	0.4	-38.1	1.7	30.8	5.8	-40.6	-2.1
				Viento -Y exc.+	152.8	-1.1	-3.7	-8.7	-19.1	-0.6	50.3	-4.9	-48.4	-2.7	78.5	3.3
				Viento -Y exc.-	141.1	-1.4	-4.5	-8.9	-22.1	-0.4	38.1	-1.7	-30.8	-5.8	40.6	2.1
P81	P. segunda +10.70	60x60	5.25/10.03	Peso propio	905.4	32.4	-9.2	11.5	-4.1	0.0	863.2	-22.5	10.2	11.5	-4.1	0.0
				Cargas muertas	515.4	8.5	65.4	5.7	11.9	0.0	515.4	-18.8	8.6	5.7	11.9	0.0
				H 1	-0.0	0.2	0.1	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	338.2	6.2	-11.8	2.7	-3.3	0.0	338.2	-6.5	4.1	2.7	-3.3	0.0
				Viento +X exc.+	-1.9	58.9	5.5	19.7	1.8	-0.1	-1.9	-35.5	-3.1	19.7	1.8	-0.1
				Viento +X exc.-	-1.8	60.7	4.3	20.4	1.4	-0.1	-1.8	-36.6	-2.3	20.4	1.4	-0.1
				Viento -X exc.+	1.9	-58.9	-5.5	-19.7	-1.8	0.1	1.9	35.5	3.1	-19.7	-1.8	0.1
				Viento -X exc.-	1.8	-60.7	-4.3	-20.4	-1.4	0.1	1.8	36.6	2.3	-20.4	-1.4	0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P82	P. primera +5.35	Diámetro 70	-0.10/4.78	Viento +Y exc.+	-9.2	44.1	71.8	14.3	24.7	0.4	-9.2	-24.5	-46.1	14.3	24.7	0.4
				Viento +Y exc.-	-11.7	15.0	91.2	4.7	31.4	0.1	-11.7	-7.5	-58.8	4.7	31.4	0.1
				Viento -Y exc.+	9.2	-44.1	-71.8	-14.3	-24.7	-0.4	9.2	24.5	46.1	-14.3	-24.7	-0.4
				Viento -Y exc.-	11.7	-15.0	-91.2	-4.7	-31.4	-0.1	11.7	7.5	58.8	-4.7	-31.4	-0.1
				Peso propio	1621.6	30.6	-39.3	13.3	-12.2	0.0	1575.5	-34.4	20.3	13.3	-12.2	0.0
				Cargas muertas	823.1	3.6	42.9	-0.4	31.3	0.0	823.1	5.3	-109.6	-0.4	31.3	0.0
				H 1	0.2	-0.7	-2.1	-0.2	-0.6	0.0	0.2	0.2	0.8	-0.2	-0.6	0.0
				Sobrecarga de uso	535.8	5.7	-17.2	2.1	-7.4	0.0	535.8	-4.7	18.8	2.1	-7.4	0.0
				Viento +X exc.+	-4.6	58.5	6.2	19.4	2.3	-0.1	-4.6	-36.2	-5.0	19.4	2.3	-0.1
				Viento +X exc.-	-4.2	60.1	5.0	19.9	1.9	-0.1	-4.2	-37.0	-4.4	19.9	1.9	-0.1
				Viento -X exc.+	4.6	-58.5	-6.2	-19.4	-2.3	0.1	4.6	36.2	5.0	-19.4	-2.3	0.1
				Viento -X exc.-	4.2	-60.1	-5.0	-19.9	-1.9	0.1	4.2	37.0	4.4	-19.9	-1.9	0.1
				Viento +Y exc.+	-26.4	31.4	69.6	10.2	21.3	0.3	-26.4	-18.6	-34.2	10.2	21.3	0.3
				Viento +Y exc.-	-32.8	10.1	88.0	3.6	26.7	0.1	-32.8	-7.3	-42.3	3.6	26.7	0.1
				Viento -Y exc.+	26.4	-31.4	-69.6	-10.2	-21.3	-0.3	26.4	18.6	34.2	-10.2	-21.3	-0.3
				Viento -Y exc.-	32.8	-10.1	-88.0	-3.6	-26.7	-0.1	32.8	7.3	42.3	-3.6	-26.7	-0.1
	P. Baja +0.00	70x70	-3.60/-0.57	Peso propio	2140.6	13.4	-78.6	12.7	-74.6	0.0	2104.2	-25.1	147.3	12.7	-74.6	0.0
				Cargas muertas	975.0	9.6	-43.4	9.1	-40.9	0.0	975.0	-17.9	80.4	9.1	-40.9	0.0
				H 1	-46.8	-1.0	-3.8	-0.9	-3.6	0.0	-46.8	1.8	7.0	-0.9	-3.6	0.0
				Sobrecarga de uso	650.5	4.1	-19.5	3.8	-18.5	0.0	650.5	-7.6	36.6	3.8	-18.5	0.0
				Viento +X exc.+	-4.7	-15.3	-1.1	-14.8	-1.2	0.0	-4.7	29.5	2.5	-14.8	-1.2	0.0
				Viento +X exc.-	-4.4	-15.7	-0.9	-15.2	-0.9	0.0	-4.4	30.2	2.0	-15.2	-0.9	0.0
				Viento -X exc.+	4.7	15.3	1.1	14.8	1.2	0.0	4.7	-29.5	-2.5	14.8	1.2	0.0
				Viento -X exc.-	4.4	15.7	0.9	15.2	0.9	0.0	4.4	-30.2	-2.0	15.2	0.9	0.0
				Viento +Y exc.+	-14.5	-9.0	-5.8	-8.2	-10.8	-0.0	-14.5	16.0	26.8	-8.2	-10.8	-0.0
				Viento +Y exc.-	-18.4	-3.5	-9.4	-2.9	-14.7	-0.0	-18.4	5.3	35.2	-2.9	-14.7	-0.0
				Viento -Y exc.+	14.5	9.0	5.8	8.2	10.8	0.0	14.5	-16.0	-26.8	8.2	10.8	0.0
				Viento -Y exc.-	18.4	3.5	9.4	2.9	14.7	0.0	18.4	-5.3	-35.2	2.9	14.7	0.0
	P. segunda +10.70	60x60	5.25/10.03	Peso propio	802.5	-35.0	-20.1	-9.8	-6.2	0.0	760.3	11.6	9.4	-9.8	-6.2	0.0
				Cargas muertas	269.5	-8.2	56.9	-3.0	9.8	0.0	269.5	6.2	10.2	-3.0	9.8	0.0
				H 1	0.0	-0.1	0.2	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0
				Sobrecarga de uso	313.5	-8.4	-16.3	-2.5	-4.4	0.0	313.5	3.6	4.9	-2.5	-4.4	0.0
				Viento +X exc.+	0.4	59.2	-0.5	19.8	0.0	-0.1	0.4	-35.3	-0.5	19.8	0.0	-0.1
				Viento +X exc.-	0.4	61.1	-1.1	20.4	-0.2	-0.1	0.4	-36.4	-0.1	20.4	-0.2	-0.1
				Viento -X exc.+	-0.4	-59.2	0.5	-19.8	-0.0	0.1	-0.4	35.3	0.5	-19.8	-0.0	0.1
				Viento -X exc.-	-0.4	-61.1	1.1	-20.4	0.2	0.1	-0.4	36.4	0.1	-20.4	0.2	0.1
				Viento +Y exc.+	-11.8	40.8	82.7	13.6	28.5	0.4	-11.8	-24.2	-53.4	13.6	28.5	0.4
				Viento +Y exc.-	-12.8	10.8	93.7	3.8	32.2	0.1	-12.8	-7.3	-60.2	3.8	32.2	0.1
				Viento -Y exc.+	11.8	-40.8	-82.7	-13.6	-28.5	-0.4	11.8	24.2	53.4	-13.6	-28.5	-0.4
				Viento -Y exc.-	12.8	-10.8	-93.7	-3.8	-32.2	-0.1	12.8	7.3	60.2	-3.8	-32.2	-0.1
	P. primera +5.35	Diámetro 70	-0.10/4.78	Peso propio	1577.1	-29.4	-51.9	-15.6	-18.9	0.0	1531.1	46.6	40.4	-15.6	-18.9	0.0
				Cargas muertas	629.3	-10.2	33.7	-4.1	26.6	0.0	629.3	9.8	-96.2	-4.1	26.6	0.0
				H 1	0.2	-0.0	-2.2	-0.1	-0.6	0.0	0.2	0.3	0.8	-0.1	-0.6	0.0
				Sobrecarga de uso	533.0	-6.9	-21.0	-3.5	-9.5	0.0	533.0	10.2	25.3	-3.5	-9.5	0.0
				Viento +X exc.+	0.2	58.9	1.1	19.6	-0.0	-0.1	0.2	-36.9	1.2	19.6	-0.0	-0.1
				Viento +X exc.-	0.4	60.4	0.4	20.1	-0.3	-0.1	0.4	-37.8	1.6	20.1	-0.3	-0.1
				Viento -X exc.+	-0.2	-58.9	-1.1	-19.6	0.0	0.1	-0.2	36.9	-1.2	-19.6	0.0	0.1
				Viento -X exc.-	-0.4	-60.4	-0.4	-20.1	0.3	0.1	-0.4	37.8	-1.6	-20.1	0.3	0.1
				Viento +Y exc.+	-30.9	28.8	80.2	8.7	24.0	0.3	-30.9	-13.5	-37.0	8.7	24.0	0.3
				Viento +Y exc.-	-34.3	6.8	90.7	1.6	27.3	0.1	-34.3	-0.9	-42.5	1.6	27.3	0.1
				Viento -Y exc.+	30.9	-28.8	-80.2	-8.7	-24.0	-0.3	30.9	13.5	37.0	-8.7	-24.0	-0.3
				Viento -Y exc.-	34.3	-6.8	-90.7	-1.6	-27.3	-0.1	34.3	0.9	42.5	-1.6	-27.3	-0.1
	P. Baja +0.00	70x70	-3.60/-0.57	Peso propio	2157.3	-22.4	-85.1	-20.8	-80.6	0.0	2120.9	40.6	159.0	-20.8	-80.6	0.0
				Cargas muertas	828.0	-16.6	-49.0	-15.4	-46.1	0.0	828.0	30.1	90.6	-15.4	-46.1	0.0
				H 1	-46.7	0.6	-3.9	0.6	-3.6	0.0	-46.7	-1.2	7.2	0.6	-3.6	0.0
				Sobrecarga de uso	659.7	-6.2	-20.7	-5.7	-19.6	0.0	659.7	11.2	38.8	-5.7	-19.6	0.0
				Viento +X exc.+	1.4	-15.5	-0.1	-14.9	-0.2	0.0	1.4	29.7	0.6	-14.9	-0.2	0.0
				Viento +X exc.-	1.6	-15.9	0.0	-15.3	-0.1	0.0	1.6	30.5	0.3	-15.3	-0.1	0.0
				Viento -X exc.+	-1.4	15.5	0.1	14.9	0.2	0.0	-1.4	-29.7	-0.6	14.9	0.2	0.0
				Viento -X exc.-	-1.6	15.9	-0.0	15.3	0.1	0.0	-1.6	-30.5	-0.3	15.3	0.1	0.0
				Viento +Y exc.+	-17.4	-8.5	-9.0	-7.8	-13.7	-0.0	-17.4	15.2	32.4	-7.8	-13.7	-0.0
				Viento +Y exc.-	-19.8	-2.9	-10.6	-2.3	-15.7	-0.0	-19.8	4.1	36.9	-2.3	-15.7	-0.0
				Viento -Y exc.+	17.4	8.5	9.0	7.8	13.7	0.0	17.4	-15.2	-32.4	7.8	13.7	0.0
				Viento -Y exc.-	19.8	2.9	10.6	2.3	15.7	0.0	19.8	-4.1	-36.9	2.3	15.7	0.0
P83	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	479.5	-41.3	-151.0	-13.8	-53.6	0.0	446.4	24.8	105.1	-13.8	-53.6	0.0
				Cargas muertas	153.5	7.4	-50.5	0.8	-16.8	0.0	153.5	3.4	29.8	0.8	-16.8	0.0
				H 1	-0.1	-0.1	-0.2	-0.0	-0.1	0.0	-0.1	-0.0	0.0	-0.0	-0.1	0.0
				Sobrecarga de uso	174.4	-15.1	-43.1	-5.6	-17.1	0.0	174.4	11.5	38.5	-5.6	-17.1	0.0
				Viento +X exc.+	-6.0	31.1	7.8	10.7	2.7	-0.1	-6.0	-19.9	-5.3	10.7	2.7	-0.1
				Viento +X exc.-	-6.0	32.2	5.8	11.0	2.0	-0.0	-6.0	-20.6	-3.9	11.0	2.0	-0.0
				Viento -X exc.+	6.0	-31.1	-7.8	-10.7	-2.7	0.1	6.0	19.9	5.3	-10.7	-2.7	0.1
				Viento -X exc.-	6.0	-32.2	-5.8	-11.0	-2.0	0.0	6.0	20.6	3.9	-11.0	-2.0	0.0
				Viento +Y exc.+	-5.0	26.3	11.0	8.7	3.9	0.3	-5.0	-15.5	-7.8	8.7	3.9	0.3
				Viento +Y exc.-	-5.7	8.6	43.1	2.8	15.1	0.1	-5.7	-4.9	-28.8	2.8	15.1	0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Viento -Y exc.+	5.0	-26.3	-11.0	-8.7	-3.9	-0.3	5.0	15.5	7.8	-8.7	-3.9	-0.3
				Viento -Y exc.-	5.7	-8.6	-43.1	-2.8	-15.1	-0.1	5.7	4.9	28.8	-2.8	-15.1	-0.1
				Peso propio	915.1	-23.1	-96.8	-15.9	-57.9	0.0	872.0	54.5	185.8	-15.9	-57.9	0.0
				Cargas muertas	511.7	16.6	-38.7	8.9	-22.8	0.0	511.7	-26.6	72.8	8.9	-22.8	0.0
				H 1	-0.2	1.2	1.1	0.3	0.2	0.0	-0.2	-0.2	-0.1	0.3	0.2	0.0
				Sobrecarga de uso	267.2	-6.8	-18.9	-4.6	-11.4	0.0	267.2	15.5	36.7	-4.6	-11.4	0.0
				Viento +X exc.+	-22.9	54.3	15.4	16.9	4.9	-0.1	-22.9	-28.2	-8.3	16.9	4.9	-0.1
				Viento +X exc.-	-22.8	55.9	11.8	17.4	3.8	-0.0	-22.8	-29.0	-6.8	17.4	3.8	-0.0
				Viento -X exc.+	22.9	-54.3	-15.4	-16.9	-4.9	0.1	22.9	28.2	8.3	-16.9	-4.9	0.1
				Viento -X exc.-	22.8	-55.9	-11.8	-17.4	-3.8	0.0	22.8	29.0	6.8	-17.4	-3.8	0.0
				Viento +Y exc.+	-18.1	32.0	20.5	9.6	6.5	0.2	-18.1	-14.7	-11.2	9.6	6.5	0.2
				Viento +Y exc.-	-20.6	8.6	71.8	2.6	21.4	0.1	-20.6	-4.3	-32.7	2.6	21.4	0.1
				Viento -Y exc.+	18.1	-32.0	-20.5	-9.6	-6.5	-0.2	18.1	14.7	11.2	-9.6	-6.5	-0.2
				Viento -Y exc.-	20.6	-8.6	-71.8	-2.6	-21.4	-0.1	20.6	4.3	32.7	-2.6	-21.4	-0.1
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	262.7	0.1	3.6	-1.1	11.2	0.0	667.1	-5.1	-16.8	42.1	92.8	-0.6
				Cargas muertas	142.0	0.1	1.7	0.1	5.2	0.0	364.1	4.1	-5.8	1.1	38.5	-0.5
				H 1	-22.3	3.7	2.6	6.8	5.0	-0.2	12.3	-2.9	-3.1	1.3	1.4	0.3
				Sobrecarga de uso	67.7	0.2	1.0	0.2	3.1	0.0	191.2	-1.3	-2.9	12.3	19.7	-0.1
				Viento +X exc.+	-16.6	-0.1	0.3	0.0	0.7	0.1	-51.7	15.1	6.7	-43.8	-15.0	-0.6
				Viento +X exc.-	-15.6	-0.1	0.2	0.1	0.4	0.1	-51.0	15.4	5.9	-44.7	-12.7	-0.7
				Viento -X exc.+	16.6	0.1	-0.3	-0.0	-0.7	-0.1	51.7	-15.1	-6.7	43.8	15.0	0.6
				Viento -X exc.-	15.6	0.1	-0.2	-0.1	-0.4	-0.1	51.0	-15.4	-5.9	44.7	12.7	0.7
				Viento +Y exc.+	-130.8	-0.9	10.6	-11.9	32.4	-0.1	-51.7	8.2	10.3	-44.3	14.3	-0.7
				Viento +Y exc.-	-146.1	-1.0	11.8	-13.5	36.5	-0.1	-61.7	4.4	22.4	-31.7	-19.3	-0.1
				Viento -Y exc.+	130.8	0.9	-10.6	11.9	-32.4	0.1	51.7	-8.2	-10.3	44.3	-14.3	0.7
				Viento -Y exc.-	146.1	1.0	-11.8	13.5	-36.5	0.1	61.7	-4.4	-22.4	31.7	19.3	0.1
P84	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	669.7	7.3	-163.6	2.6	-56.9	0.0	636.6	-5.0	108.5	2.6	-56.9	0.0
				Cargas muertas	223.5	0.2	-21.0	0.2	-10.9	0.0	223.5	-0.7	31.1	0.2	-10.9	0.0
				H 1	0.1	0.1	-1.7	0.0	-0.4	0.0	0.1	-0.0	0.3	0.0	-0.4	0.0
				Sobrecarga de uso	269.1	2.3	-47.8	0.9	-18.5	0.0	269.1	-2.0	40.7	0.9	-18.5	0.0
				Viento +X exc.+	0.2	38.1	6.2	12.6	2.2	-0.1	0.2	-22.1	-4.4	12.6	2.2	-0.1
				Viento +X exc.-	0.6	39.4	4.3	13.0	1.6	-0.0	0.6	-22.9	-3.2	13.0	1.6	-0.0
				Viento -X exc.+	-0.2	-38.1	-6.2	-12.6	-2.2	0.1	-0.2	22.1	4.4	-12.6	-2.2	0.1
				Viento -X exc.-	-0.6	-39.4	-4.3	-13.0	-1.6	0.0	-0.6	22.9	3.2	-13.0	-1.6	0.0
				Viento +Y exc.+	-3.5	30.7	20.6	10.0	7.2	0.3	-3.5	-17.1	-13.7	10.0	7.2	0.3
				Viento +Y exc.-	-10.5	9.2	50.8	3.0	17.5	0.1	-10.5	-5.1	-32.9	3.0	17.5	0.1
				Viento -Y exc.+	3.5	-30.7	-20.6	-10.0	-7.2	-0.3	3.5	17.1	13.7	-10.0	-7.2	-0.3
				Viento -Y exc.-	10.5	-9.2	-50.8	-3.0	-17.5	-0.1	10.5	5.1	32.9	-3.0	-17.5	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1255.2	12.2	-173.6	5.1	-85.1	0.0	1212.1	-12.9	241.9	5.1	-85.1	0.0
				Cargas muertas	498.3	2.1	-22.9	0.4	-6.1	0.0	498.3	-0.1	6.9	0.4	-6.1	0.0
				H 1	0.0	-0.2	12.7	-0.1	3.3	0.0	0.0	0.1	-3.2	-0.1	3.3	0.0
				Sobrecarga de uso	406.9	2.9	-40.4	1.3	-19.1	0.0	406.9	-3.2	52.9	1.3	-19.1	0.0
				Viento +X exc.+	1.7	62.8	11.7	21.6	3.6	-0.1	1.7	-42.4	-6.0	21.6	3.6	-0.1
				Viento +X exc.-	3.0	64.7	8.8	22.2	2.7	-0.0	3.0	-43.7	-4.4	22.2	2.7	-0.0
				Viento -X exc.+	-1.7	-62.8	-11.7	-21.6	-3.6	0.1	-1.7	42.4	6.0	-21.6	-3.6	0.1
				Viento -X exc.-	-3.0	-64.7	-8.8	-22.2	-2.7	0.0	-3.0	43.7	4.4	-22.2	-2.7	0.0
				Viento +Y exc.+	-8.8	37.9	30.8	12.7	9.9	0.2	-8.8	-23.9	-17.7	12.7	9.9	0.2
				Viento +Y exc.-	-27.8	10.6	72.9	3.5	23.0	0.1	-27.8	-6.3	-39.5	3.5	23.0	0.1
				Viento -Y exc.+	8.8	-37.9	-30.8	-12.7	-9.9	-0.2	8.8	23.9	17.7	-12.7	-9.9	-0.2
				Viento -Y exc.-	27.8	-10.6	-72.9	-3.5	-23.0	-0.1	27.8	6.3	39.5	-3.5	-23.0	-0.1
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	215.4	0.7	-73.2	0.1	-109.4	-0.3	1242.1	6.0	92.2	-18.5	-53.6	0.8
				Cargas muertas	67.9	0.3	-31.1	-0.2	-45.9	-0.1	510.1	2.4	44.8	-8.0	-31.2	0.4
				H 1	97.3	-0.4	36.0	-1.3	62.2	0.1	-75.7	0.3	-8.4	-1.2	-19.9	0.1
				Sobrecarga de uso	64.6	0.2	-20.4	-0.1	-30.9	-0.1	373.5	1.5	26.4	-4.7	-17.8	0.2
				Viento +X exc.+	-3.8	0.3	-1.4	2.0	-2.1	0.0	14.0	10.8	4.0	-23.5	-3.6	-0.3
				Viento +X exc.-	-2.5	0.3	-1.1	2.1	-1.6	0.1	11.7	11.1	3.1	-24.2	-2.8	-0.3
				Viento -X exc.+	3.8	-0.3	1.4	-2.0	2.1	-0.0	-14.0	-10.8	-4.0	23.5	3.6	0.3
				Viento -X exc.-	2.5	-0.3	1.1	-2.1	1.6	-0.1	-11.7	-11.1	-3.1	24.2	2.8	0.3
				Viento +Y exc.+	21.9	-0.7	1.7	-3.2	-1.6	0.0	28.6	6.7	9.4	-17.6	-5.9	-0.2
				Viento +Y exc.-	2.7	-1.0	-2.8	-4.7	-8.1	0.0	61.0	2.0	23.2	-7.9	-17.7	-0.0
				Viento -Y exc.+	-21.9	0.7	-1.7	3.2	1.6	-0.0	-28.6	-6.7	-9.4	17.6	5.9	0.2
				Viento -Y exc.-	-2.7	1.0	2.8	4.7	8.1	-0.0	-61.0	-2.0	-23.2	7.9	17.7	0.0
P85	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	624.4	4.0	-176.6	1.0	-58.8	0.0	591.2	-0.6	104.4	1.0	-58.8	0.0
				Cargas muertas	203.1	4.9	-21.5	1.4	-10.9	0.0	203.1	-1.9	30.7	1.4	-10.9	0.0
				H 1	0.0	-0.0	-1.7	-0.0	-0.4	0.0	0.0	0.0	0.3	-0.0	-0.4	0.0
				Sobrecarga de uso	252.7	0.6	-50.6	0.1	-18.8	0.0	252.7	0.3	39.1	0.1	-18.8	0.0
				Viento +X exc.+	-1.4	36.7	5.6	12.2	2.0	-0.1	-1.4	-21.7	-3.7	12.2	2.0	-0.1
				Viento +X exc.-	-1.1	38.0	4.1	12.7	1.4	-0.0	-1.1	-22.5	-2.7	12.7	1.4	-0.0
				Viento -X exc.+	1.4	-36.7	-5.6	-12.2	-2.0	0.1	1.4	21.7	3.7	-12.2	-2.0	0.1
				Viento -X exc.-	1.1	-38.0	-4.1	-12.7	-1.4	0.0	1.1	22.5	2.7	-12.7	-1.4	0.0
				Viento +Y exc.+	-6.1	29.8	30.0	9.7	10.3	0.3	-6.1	-16.8	-19.3	9.7	10.3	0.3
				Viento +Y exc.-	-11.4	8.9	55.0	2.9	18.9	0.1	-11.4	-5.0	-35.2	2.9	18.9	0.1
				Viento -Y exc.+	6.1	-29.8	-30.0	-9.7	-10.3	-0.3	6.1	16.8	19.3	-9.7	-10.3	-0.3
				Viento -Y exc.-	11.4	-8.9	-55.0	-2.9	-18.9	-0.1	11.4	5.0	35.2	-2.9	-18.9	-0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1228.3	12.7	-205.0	5.3	-101.0	0.0	1185.2	-13.2	287.7	5.3	-101.0	0.0
				Cargas muertas	498.3	7.5	-34.6	3.6	-9.9	0.0	498.3	-9.9	14.0	3.6	-9.9	0.0
				H 1	-0.2	-0.3	12.3	-0.1	3.1	0.0	-0.2	0.2	-3.1	-0.1	3.1	0.0
				Sobrecarga de uso	393.9	3.0	-48.6	1.3	-23.2	0.0	393.9	-3.1	64.4	1.3	-23.2	0.0
				Viento +X exc.+	-4.0	61.3	10.1	20.7	3.3	-0.1	-4.0	-39.6	-6.2	20.7	3.3	-0.1
				Viento +X exc.-	-3.2	63.2	7.7	21.3	2.6	-0.0	-3.2	-40.8	-4.9	21.3	2.6	-0.0
				Viento -X exc.+	4.0	-61.3	-10.1	-20.7	-3.3	0.1	4.0	39.6	6.2	-20.7	-3.3	0.1
				Viento -X exc.-	3.2	-63.2	-7.7	-21.3	-2.6	0.0	3.2	40.8	4.9	-21.3	-2.6	0.0
				Viento +Y exc.+	-14.9	36.9	43.2	12.1	14.0	0.2	-14.9	-22.0	-25.3	12.1	14.0	0.2
				Viento +Y exc.-	-26.9	10.4	77.6	3.3	24.9	0.1	-26.9	-5.8	-43.7	3.3	24.9	0.1
				Viento -Y exc.+	14.9	-36.9	-43.2	-12.1	-14.0	-0.2	14.9	22.0	25.3	-12.1	-14.0	-0.2
				Viento -Y exc.-	26.9	-10.4	-77.6	-3.3	-24.9	-0.1	26.9	5.8	43.7	-3.3	-24.9	-0.1
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	178.2	-0.2	-83.5	-0.6	-123.2	-0.0	1318.2	0.8	112.6	-3.2	-69.5	-0.0
				Cargas muertas	36.3	-0.2	-42.9	-0.7	-62.0	-0.0	609.6	1.0	66.3	-3.3	-45.5	0.0
				H 1	95.4	-0.2	35.1	-1.1	60.6	0.0	-72.8	0.1	-7.9	-0.6	-19.6	0.0
				Sobrecarga de uso	53.6	-0.1	-23.4	-0.2	-34.8	-0.0	393.4	0.2	32.1	-0.8	-21.9	-0.0
				Viento +X exc.+	-4.4	0.3	-1.1	2.1	-1.6	0.1	8.0	10.6	3.3	-23.0	-2.8	-0.3
				Viento +X exc.-	-3.4	0.4	-0.8	2.2	-1.2	0.1	6.1	10.9	2.5	-23.7	-2.1	-0.3
				Viento -X exc.+	4.4	-0.3	1.1	-2.1	1.6	-0.1	-8.0	-10.6	-3.3	23.0	2.8	0.3
				Viento -X exc.-	3.4	-0.4	0.8	-2.2	1.2	-0.1	-6.1	-10.9	-2.5	23.7	2.1	0.3
				Viento +Y exc.+	13.9	-0.7	0.1	-2.9	-3.6	0.0	36.5	6.6	13.1	-17.2	-9.0	-0.2
				Viento +Y exc.-	-0.4	-0.9	-3.6	-4.4	-9.0	0.0	64.6	2.0	24.2	-7.6	-18.4	-0.0
				Viento -Y exc.+	-13.9	0.7	-0.1	2.9	3.6	-0.0	-36.5	-6.6	-13.1	17.2	9.0	0.2
				Viento -Y exc.-	0.4	0.9	3.6	4.4	9.0	-0.0	-64.6	-2.0	-24.2	7.6	18.4	0.0
P86	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	649.6	0.4	-120.3	0.1	-41.3	0.0	616.4	0.1	77.1	0.1	-41.3	0.0
				Cargas muertas	264.7	-13.1	-1.8	-3.9	-6.2	0.0	264.7	5.4	27.8	-3.9	-6.2	0.0
				H 1	0.0	0.0	-1.6	0.0	-0.4	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
				Sobrecarga de uso	253.5	0.2	-34.5	-0.0	-12.9	0.0	253.5	0.2	27.4	-0.0	-12.9	0.0
				Viento +X exc.+	-1.2	36.4	5.3	12.2	1.7	-0.1	-1.2	-21.7	-3.1	12.2	1.7	-0.1
				Viento +X exc.-	-1.0	37.7	4.1	12.6	1.4	-0.0	-1.0	-22.5	-2.4	12.6	1.4	-0.0
				Viento -X exc.+	1.2	-36.4	-5.3	-12.2	-1.7	0.1	1.2	21.7	3.1	-12.2	-1.7	0.1
				Viento -X exc.-	1.0	-37.7	-4.1	-12.6	-1.4	0.0	1.0	22.5	2.4	-12.6	-1.4	0.0
				Viento +Y exc.+	-8.3	31.5	37.8	10.2	13.0	0.3	-8.3	-17.4	-24.1	10.2	13.0	0.3
				Viento +Y exc.-	-12.1	11.6	55.8	3.6	19.2	0.1	-12.1	-5.8	-35.8	3.6	19.2	0.1
				Viento -Y exc.+	8.3	-31.5	-37.8	-10.2	-13.0	-0.3	8.3	17.4	24.1	-10.2	-13.0	-0.3
				Viento -Y exc.-	12.1	-11.6	-55.8	-3.6	-19.2	-0.1	12.1	5.8	35.8	-3.6	-19.2	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1215.2	8.8	-145.8	2.9	-68.8	0.0	1172.1	-5.2	190.1	2.9	-68.8	0.0
				Cargas muertas	571.1	-9.6	-3.9	-6.5	6.2	0.0	571.1	22.3	-34.3	-6.5	6.2	0.0
				H 1	-0.3	-0.3	11.8	-0.1	3.0	0.0	-0.3	0.2	-3.0	-0.1	3.0	0.0
				Sobrecarga de uso	383.6	2.5	-35.4	0.9	-16.2	0.0	383.6	-2.1	43.9	0.9	-16.2	0.0
				Viento +X exc.+	-2.1	61.0	8.6	20.5	3.2	-0.1	-2.1	-39.0	-6.8	20.5	3.2	-0.1
				Viento +X exc.-	-1.3	62.8	6.9	21.1	2.6	-0.0	-1.3	-40.1	-6.0	21.1	2.6	-0.0
				Viento -X exc.+	2.1	-61.0	-8.6	-20.5	-3.2	0.1	2.1	39.0	6.8	-20.5	-3.2	0.1
				Viento -X exc.-	1.3	-62.8	-6.9	-21.1	-2.6	0.0	1.3	40.1	6.0	-21.1	-2.6	0.0
				Viento +Y exc.+	-23.8	38.8	54.3	13.2	17.4	0.2	-23.8	-25.5	-30.6	13.2	17.4	0.2
				Viento +Y exc.-	-35.6	13.2	79.6	5.0	25.1	0.1	-35.6	-11.0	-42.8	5.0	25.1	0.1
				Viento -Y exc.+	23.8	-38.8	-54.3	-13.2	-17.4	-0.2	23.8	25.5	30.6	-13.2	-17.4	-0.2
				Viento -Y exc.-	35.6	-13.2	-79.6	-5.0	-25.1	-0.1	35.6	11.0	42.8	-5.0	-25.1	-0.1
	P. Baja +0.00	60x60	-3.60/-0.57	Peso propio	184.8	-0.5	-77.0	-0.5	-111.5	0.1	1242.7	-3.3	99.6	8.0	-56.4	-0.7
				Cargas muertas	65.4	-0.2	-37.6	-0.3	-53.9	0.0	595.4	-3.5	56.4	8.4	-40.1	-0.2
				H 1	94.2	-0.7	33.7	-2.4	57.3	0.2	-67.4	0.2	-6.9	-1.2	-20.2	0.0
				Sobrecarga de uso	54.7	-0.1	-21.0	-0.1	-30.7	0.0	363.6	-0.8	27.4	1.7	-17.4	-0.2
				Viento +X exc.+	-3.1	0.3	-0.8	2.1	-1.2	0.1	6.7	10.5	2.8	-22.8	-2.4	-0.3
				Viento +X exc.-	-2.4	0.3	-0.6	2.2	-0.9	0.1	5.3	10.9	2.2	-23.5	-1.9	-0.4
				Viento -X exc.+	3.1	-0.3	0.8	-2.1	1.2	-0.1	-6.7	-10.5	-2.8	22.8	2.4	0.3
				Viento -X exc.-	2.4	-0.3	0.6	-2.2	0.9	-0.1	-5.3	-10.9	-2.2	23.5	1.9	0.4
				Viento +Y exc.+	5.5	-0.7	-1.4	-3.0	-5.4	0.0	43.9	6.9	17.2	-17.6	-12.9	-0.2
				Viento +Y exc.-	-5.3	-1.0	-4.0	-4.5	-9.3	0.0	64.0	2.5	25.6	-8.4	-20.1	-0.1
				Viento -Y exc.+	-5.5	0.7	1.4	3.0	5.4	-0.0	-43.9	-6.9	-17.2	17.6	12.9	0.2
				Viento -Y exc.-	5.3	1.0	4.0	4.5	9.3	-0.0	-64.0	-2.5	-25.6	8.4	20.1	0.1
P87	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	303.3	0.2	-132.1	-0.5	-165.3	-0.2	1525.7	-2.8	191.0	9.7	-73.7	1.4
				Cargas muertas	155.3	-0.4	-69.3	-1.6	-86.6	0.0	823.7	1.2	108.1	-4.9	-59.8	-0.3
				H 1	68.2	-0.0	44.1	0.0	65.0	-0.0	-54.6	0.0	-16.4	-0.7	-28.1	-0.1
				Sobrecarga de uso	79.3	0.2	-38.9	0.0	-48.7	-0.1	449.5	0.2	56.5	-1.9	-22.9	0.6
				Viento +X exc.+	2.6	0.4	0.3	2.1	0.2	0.1	3.0	9.4	-0.6	-32.4	-0.1	-1.1
				Viento +X exc.-	2.4	0.4	0.3	2.3	0.2	0.1	3.1	9.7	-0.7	-33.3	-0.2	-1.1
				Viento -X exc.+	-2.6	-0.4	-0.3	-2.1	-0.2	-0.1	-3.0	-9.4	0.6	32.4	0.1	1.1
				Viento -X exc.-	-2.4	-0.4	-0.3	-2.3	-0.2	-0.1	-3.1	-9.7	0.7	33.3	0.2	1.1
				Viento +Y exc.+	-3.7	-0.7	-5.5	-2.6	-12.3	0.0	29.2	5.0	40.7	-22.4	-29.1	-0.6
				Viento +Y exc.-	-2.2	-1.0	-5.0	-4.1	-12.2	0.0	28.1	0.8	41.5	-8.8	-29.1	-0.2
				Viento -Y exc.+	3.7	0.7	5.5	2.6	12.3	-0.0	-29.2	-5.0	-40.7	22.4	29.1	0.6
				Viento -Y exc.-	2.2	1.0	5.0	4.1	12.2	-0.0	-28.1	-0.8	-41.5	8.8	29.1	0.2
P87a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	652.2	-19.0	-153.0	-7.3	-48.9	0.0	619.1	15.7	80.9	-7.3	-48.9	0.0
				Cargas muertas	386.2	-5.4	-41.9	-6.3	-21.0	0.0	386.2	24.6	58.4	-6.3	-21.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	-0.0	-1.3	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	238.5	-3.6	-43.4	-1.7	-14.9	0.0	238.5	4.5	27.8	-1.7	-14.9	0.0
				Viento +X exc.+	1.8	31.7	-2.3	10.9	-0.7	-0.1	1.8	-20.4	1.0	10.9	-0.7	-0.1
				Viento +X exc.-	1.8	32.9	-2.4	11.3	-0.7	-0.0	1.8	-21.1	1.0	11.3	-0.7	-0.0
				Viento -X exc.+	-1.8	-31.7	2.3	-10.9	0.7	0.1	-1.8	20.4	-1.0	-10.9	0.7	0.1
				Viento -X exc.-	-1.8	-32.9	2.4	-11.3	0.7	0.0	-1.8	21.1	-1.0	-11.3	0.7	0.0
				Viento +Y exc.+	-12.0	23.9	59.0	8.1	20.5	0.3	-12.0	-14.9	-38.9	8.1	20.5	0.3
				Viento +Y exc.-	-13.2	5.1	60.5	1.8	21.0	0.1	-13.2	-3.6	-39.7	1.8	21.0	0.1
				Viento -Y exc.+	12.0	-23.9	-59.0	-8.1	-20.5	-0.3	12.0	14.9	38.9	-8.1	-20.5	-0.3
				Viento -Y exc.-	13.2	-5.1	-60.5	-1.8	-21.0	-0.1	13.2	3.6	39.7	-1.8	-21.0	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1339.3	-1.5	-186.7	-3.3	-92.9	0.0	1296.2	14.4	266.5	-3.3	-92.9	0.0
				Cargas muertas	758.4	20.9	-29.6	11.3	-8.3	0.0	758.4	-34.5	10.8	11.3	-8.3	0.0
				H 1	-0.2	-0.3	9.5	-0.1	2.4	0.0	-0.2	0.2	-2.4	-0.1	2.4	0.0
				Sobrecarga de uso	403.6	1.8	-48.6	0.5	-23.5	0.0	403.6	-0.6	66.3	0.5	-23.5	0.0
				Viento +X exc.+	4.2	55.7	-2.2	17.4	-1.2	-0.1	4.2	-29.3	3.7	17.4	-1.2	-0.1
				Viento +X exc.-	4.4	57.4	-2.3	17.9	-1.3	-0.0	4.4	-30.2	3.8	17.9	-1.3	-0.0
				Viento -X exc.+	-4.2	-55.7	2.2	-17.4	1.2	0.1	-4.2	29.3	-3.7	-17.4	1.2	0.1
				Viento -X exc.-	-4.4	-57.4	2.3	-17.9	1.3	0.0	-4.4	30.2	-3.8	-17.9	1.3	0.0
				Viento +Y exc.+	-34.9	30.8	86.9	8.5	26.2	0.2	-34.9	-10.6	-40.8	8.5	26.2	0.2
				Viento +Y exc.-	-37.6	6.5	89.1	1.1	27.0	0.1	-37.6	1.4	-42.8	1.1	27.0	0.1
				Viento -Y exc.+	34.9	-30.8	-86.9	-8.5	-26.2	-0.2	34.9	10.6	40.8	-8.5	-26.2	-0.2
				Viento -Y exc.-	37.6	-6.5	-89.1	-1.1	-27.0	-0.1	37.6	-1.4	42.8	-1.1	-27.0	-0.1
P88	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	273.8	-0.3	-111.4	-0.8	-137.6	0.0	1286.6	1.3	141.0	-2.9	-17.1	-1.0
				Cargas muertas	102.6	-0.3	-46.7	-0.7	-57.3	0.0	537.3	-0.4	67.4	1.9	-24.8	-0.4
				H 1	69.8	-0.1	44.0	-0.7	63.7	0.0	-53.5	-0.1	-15.8	-1.0	-29.9	0.1
				Sobrecarga de uso	71.6	-0.2	-37.6	-0.3	-46.1	0.0	416.7	-0.0	50.2	1.0	-10.4	-0.4
				Viento +X exc.+	1.5	0.3	0.8	1.9	0.8	0.1	-3.4	10.6	-1.5	-35.4	1.1	-1.1
				Viento +X exc.-	1.1	0.3	0.6	2.0	0.6	0.1	-3.3	11.0	-1.3	-36.4	0.9	-1.1
				Viento -X exc.+	-1.5	-0.3	-0.8	-1.9	-0.8	-0.1	3.4	-10.6	1.5	35.4	-1.1	1.1
				Viento -X exc.-	-1.1	-0.3	-0.6	-2.0	-0.6	-0.1	3.3	-11.0	1.3	36.4	-0.9	1.1
				Viento +Y exc.+	-12.1	-0.7	-8.8	-2.7	-15.6	0.0	38.9	6.2	49.5	-25.4	-36.6	-0.6
				Viento +Y exc.-	-6.3	-1.0	-7.0	-4.1	-14.1	0.0	37.7	1.5	46.3	-10.6	-33.6	-0.2
				Viento -Y exc.+	12.1	0.7	8.8	2.7	15.6	-0.0	-38.9	-6.2	-49.5	25.4	36.6	0.6
				Viento -Y exc.-	6.3	1.0	7.0	4.1	14.1	-0.0	-37.7	-1.5	-46.3	10.6	33.6	0.2
	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	626.2	7.0	-160.4	2.8	-54.7	0.0	593.1	-6.2	101.3	2.8	-54.7	0.0
				Cargas muertas	231.4	7.3	-27.0	3.9	-14.0	0.0	231.4	-11.4	40.0	3.9	-14.0	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	252.5	1.2	-47.3	0.5	-18.1	0.0	252.5	-1.2	39.3	0.5	-18.1	0.0
				Viento +X exc.+	-0.2	36.9	-2.1	12.3	-0.7	-0.1	-0.2	-21.8	1.3	12.3	-0.7	-0.1
				Viento +X exc.-	-0.2	38.2	-1.8	12.7	-0.6	-0.0	-0.2	-22.6	1.1	12.7	-0.6	-0.0
				Viento -X exc.+	0.2	-36.9	2.1	-12.3	0.7	0.1	0.2	21.8	-1.3	-12.3	0.7	0.1
				Viento -X exc.-	0.2	-38.2	1.8	-12.7	0.6	0.0	0.2	22.6	-1.1	-12.7	0.6	0.0
				Viento +Y exc.+	-14.2	30.3	72.8	9.9	25.0	0.3	-14.2	-17.1	-46.7	9.9	25.0	0.3
				Viento +Y exc.-	-12.9	9.5	67.9	3.1	23.3	0.1	-12.9	-5.3	-43.5	3.1	23.3	0.1
				Viento -Y exc.+	14.2	-30.3	-72.8	-9.9	-25.0	-0.3	14.2	17.1	46.7	-9.9	-25.0	-0.3
				Viento -Y exc.-	12.9	-9.5	-67.9	-3.1	-23.3	-0.1	12.9	5.3	43.5	-3.1	-23.3	-0.1
P88a	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1187.2	10.9	-161.2	4.3	-82.0	0.0	1144.1	-10.2	239.0	4.3	-82.0	0.0
				Cargas muertas	507.1	1.0	-15.1	-0.3	-3.4	0.0	507.1	2.2	1.6	-0.3	-3.4	0.0
				H 1	-0.1	-0.2	9.5	-0.1	2.4	0.0	-0.1	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	383.1	2.2	-40.3	0.8	-19.2	0.0	383.1	-1.8	53.4	0.8	-19.2	0.0
				Viento +X exc.+	-1.1	61.3	-3.1	20.7	-1.1	-0.1	-1.1	-39.9	2.1	20.7	-1.1	-0.1
				Viento +X exc.-	-1.4	63.2	-2.6	21.4	-0.9	-0.0	-1.4	-41.1	1.8	21.4	-0.9	-0.0
				Viento -X exc.+	1.1	-61.3	3.1	-20.7	1.1	0.1	1.1	39.9	-2.1	-20.7	1.1	0.1
				Viento -X exc.-	1.4	-63.2	2.6	-21.4	0.9	0.0	1.4	41.1	-1.8	-21.4	0.9	0.0
				Viento +Y exc.+	-39.5	37.4	102.9	12.3	32.4	0.2	-39.5	-22.9	-55.4	12.3	32.4	0.2
				Viento +Y exc.-	-35.7	10.9	96.3	3.6	30.4	0.1	-35.7	-6.7	-52.2	3.6	30.4	0.1
				Viento -Y exc.+	39.5	-37.4	-102.9	-12.3	-32.4	-0.2	39.5	22.9	55.4	-12.3	-32.4	-0.2
				Viento -Y exc.-	35.7	-10.9	-96.3	-3.6	-30.4	-0.1	35.7	6.7	52.2	-3.6	-30.4	-0.1
	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	274.7	-0.7	-110.8	-2.8	-140.1	0.1	1265.4	1.9	142.7	-8.7	-27.2	-0.4
				Cargas muertas	92.7	-0.4	-43.6	-1.5	-54.7	0.0	487.9	0.7	64.3	-3.6	-25.6	-0.1
				H 1	66.8	0.0	43.7	0.3	64.1	-0.0	-54.6	-0.2	-15.7	0.0	-28.3	0.0
				Sobrecarga de uso	79.3	-0.2	-32.9	-0.9	-41.8	0.0	394.0	0.3	43.0	-1.8	-11.8	-0.2
				Viento +X exc.+	2.7	0.3	1.1	2.0	1.1	0.1	-3.1	10.7	-2.6	-33.5	2.5	-0.9
				Viento +X exc.-	2.0	0.4	0.8	2.1	0.9	0.1	-2.7	11.0	-2.1	-34.5	2.1	-1.0
				Viento -X exc.+	-2.7	-0.3	-1.1	-2.0	-1.1	-0.1	3.1	-10.7	2.6	33.5	-2.5	0.9
				Viento -X exc.-	-2.0	-0.4	-0.8	-2.1	-0.9	-0.1	2.7	-11.0	2.1	34.5	-2.1	1.0
				Viento +Y exc.+	-18.0	-0.7	-10.9	-2.8	-18.3	0.0	44.3	6.3	54.7	-23.1	-39.4	-0.5
				Viento +Y exc.-	-9.1	-1.0	-7.8	-4.3	-15.1	0.0	39.1	1.6	47.4	-9.2	-33.6	-0.1
				Viento -Y exc.+	18.0	0.7	10.9	2.8	18.3	-0.0	-44.3	-6.3	-54.7	23.1	39.4	0.5
				Viento -Y exc.-	9.1	1.0	7.8	4.3	15.1	-0.0	-39.1	-1.6	-47.4	9.2	33.6	0.1
P89a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	611.0	0.4	-156.5	0.4	-54.2	0.0	577.8	-1.4	102.6	0.4	-54.2	0.0
				Cargas muertas	172.4	-1.6	-14.6	-0.8	-8.2	0.0	172.4	2.2	24.7	-0.8	-8.2	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	254.2	-0.1	-47.6	0.0	-18.6	0.0	254.2	-0.2	41.1	0.0	-18.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.5	36.4	-3.3	12.1	-1.1	-0.1	0.5	-21.6	2.2	12.1	-1.1	-0.1
				Viento +X exc.-	0.4	37.7	-2.6	12.6	-0.9	-0.0	0.4	-22.4	1.7	12.6	-0.9	-0.0
				Viento -X exc.+	-0.5	-36.4	3.3	-12.1	1.1	0.1	-0.5	21.6	-2.2	-12.1	1.1	0.1
				Viento -X exc.-	-0.4	-37.7	2.6	-12.6	0.9	0.0	-0.4	22.4	-1.7	-12.6	0.9	0.0
				Viento +Y exc.+	-17.7	29.7	82.1	9.7	28.2	0.3	-17.7	-16.8	-52.7	9.7	28.2	0.3
				Viento +Y exc.-	-15.3	9.0	71.0	2.9	24.4	0.1	-15.3	-5.1	-45.7	2.9	24.4	0.1
				Viento -Y exc.+	17.7	-29.7	-82.1	-9.7	-28.2	-0.3	17.7	16.8	52.7	-9.7	-28.2	-0.3
				Viento -Y exc.-	15.3	-9.0	-71.0	-2.9	-24.4	-0.1	15.3	5.1	45.7	-2.9	-24.4	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1170.9	6.3	-152.6	1.7	-77.4	0.0	1127.8	-2.0	225.2	1.7	-77.4	0.0
				Cargas muertas	452.9	2.7	-11.6	0.8	-1.9	0.0	452.9	-1.1	-2.2	0.8	-1.9	0.0
				H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	385.9	1.4	-36.1	0.4	-17.5	0.0	385.9	-0.4	49.3	0.4	-17.5	0.0
				Viento +X exc.+	1.4	60.8	-5.5	20.5	-1.7	-0.1	1.4	-39.1	3.0	20.5	-1.7	-0.1
				Viento +X exc.-	0.9	62.7	-4.4	21.1	-1.4	-0.0	0.9	-40.2	2.4	21.1	-1.4	-0.0
				Viento -X exc.+	-1.4	-60.8	5.5	-20.5	1.7	0.1	-1.4	39.1	-3.0	-20.5	1.7	0.1
				Viento -X exc.-	-0.9	-62.7	4.4	-21.1	1.4	0.0	-0.9	40.2	-2.4	-21.1	1.4	0.0
				Viento +Y exc.+	-45.9	36.8	115.1	12.0	36.3	0.2	-45.9	-21.8	-62.1	12.0	36.3	0.2
				Viento +Y exc.-	-39.7	10.5	99.9	3.4	31.6	0.1	-39.7	-5.9	-54.3	3.4	31.6	0.1
				Viento -Y exc.+	45.9	-36.8	-115.1	-12.0	-36.3	-0.2	45.9	21.8	62.1	-12.0	-36.3	-0.2
				Viento -Y exc.-	39.7	-10.5	-99.9	-3.4	-31.6	-0.1	39.7	5.9	54.3	-3.4	-31.6	-0.1
P90	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	272.1	-0.7	-109.2	-2.6	-132.8	0.1	1283.5	1.8	137.5	-12.4	-14.9	-0.8
				Cargas muertas	97.4	-0.3	-43.9	-1.4	-53.1	0.0	512.8	0.4	63.6	-4.0	-23.9	-0.2
				H 1	71.7	-0.1	44.0	-0.5	62.5	0.0	-52.3	-0.0	-16.0	-0.5	-30.4	0.1
				Sobrecarga de uso	74.6	-0.1	-35.8	-0.6	-43.4	-0.0	415.5	0.8	47.0	-5.6	-9.8	0.0
				Viento +X exc.+	4.0	0.3	1.5	1.9	1.6	0.1	-3.5	10.4	-4.0	-38.6	4.5	-1.4
				Viento +X exc.-	3.1	0.3	1.2	2.0	1.3	0.1	-3.0	10.7	-3.2	-39.7	3.8	-1.4
				Viento -X exc.+	-4.0	-0.3	-1.5	-1.9	-1.6	-0.1	3.5	-10.4	4.0	38.6	-4.5	1.4
				Viento -X exc.-	-3.1	-0.3	-1.2	-2.0	-1.3	-0.1	3.0	-10.7	3.2	39.7	-3.8	1.4
				Viento +Y exc.+	-25.2	-0.7	-13.1	-2.7	-20.0	0.0	43.7	6.0	61.4	-26.3	-46.9	-0.8
				Viento +Y exc.-	-12.8	-1.0	-8.7	-4.1	-15.3	0.0	36.3	1.4	49.9	-10.3	-37.7	-0.2
				Viento -Y exc.+	25.2	0.7	13.1	2.7	20.0	-0.0	-43.7	-6.0	-61.4	26.3	46.9	0.8
				Viento -Y exc.-	12.8	1.0	8.7	4.1	15.3	-0.0	-36.3	-1.4	-49.9	10.3	37.7	0.2
	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	603.5	0.1	-159.7	0.2	-55.0	0.0	570.4	-1.0	102.9	0.2	-55.0	0.0
				Cargas muertas	196.2	0.6	-17.1	0.5	-9.3	0.0	196.2	-1.8	27.3	0.5	-9.3	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	254.9	0.0	-48.3	0.1	-18.7	0.0	254.9	-0.4	41.3	0.1	-18.7	0.0
				Viento +X exc.+	1.1	36.6	-4.8	12.2	-1.7	-0.1	1.1	-21.7	3.2	12.2	-1.7	-0.1
				Viento +X exc.-	0.9	37.9	-3.7	12.6	-1.3	-0.0	0.9	-22.4	2.5	12.6	-1.3	-0.0
				Viento -X exc.+	-1.1	-36.6	4.8	-12.2	1.7	0.1	-1.1	21.7	-3.2	-12.2	1.7	0.1
				Viento -X exc.-	-0.9	-37.9	3.7	-12.6	1.3	0.0	-0.9	22.4	-2.5	-12.6	1.3	0.0
				Viento +Y exc.+	-19.3	29.8	90.6	9.8	31.1	0.3	-19.3	-16.8	-58.2	9.8	31.1	0.3
				Viento +Y exc.-	-15.6	9.1	73.5	3.0	25.3	0.1	-15.6	-5.1	-47.3	3.0	25.3	0.1
				Viento -Y exc.+	19.3	-29.8	-90.6	-9.8	-31.1	-0.3	19.3	16.8	58.2	-9.8	-31.1	-0.3
				Viento -Y exc.-	15.6	-9.1	-73.5	-3.0	-25.3	-0.1	15.6	5.1	47.3	-3.0	-25.3	-0.1
P90a	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1179.4	6.2	-154.5	1.7	-79.2	0.0	1136.3	-2.0	231.8	1.7	-79.2	0.0
				Cargas muertas	479.4	1.5	-11.8	0.1	-2.2	0.0	479.4	1.0	-1.1	0.1	-2.2	0.0
				H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	388.8	1.4	-38.1	0.4	-18.3	0.0	388.8	-0.4	51.3	0.4	-18.3	0.0
				Viento +X exc.+	3.0	61.0	-8.1	20.6	-2.6	-0.1	3.0	-39.4	4.6	20.6	-2.6	-0.1
				Viento +X exc.-	2.4	62.9	-6.4	21.2	-2.1	-0.0	2.4	-40.6	3.7	21.2	-2.1	-0.0
				Viento -X exc.+	-3.0	-61.0	8.1	-20.6	2.6	0.1	-3.0	39.4	-4.6	-20.6	2.6	0.1
				Viento -X exc.-	-2.4	-62.9	6.4	-21.2	2.1	0.0	-2.4	40.6	-3.7	-21.2	2.1	0.0
				Viento +Y exc.+	-49.9	37.0	126.8	12.1	39.9	0.2	-49.9	-22.1	-68.0	12.1	39.9	0.2
				Viento +Y exc.-	-40.7	10.6	103.3	3.4	32.6	0.1	-40.7	-6.1	-55.9	3.4	32.6	0.1
				Viento -Y exc.+	49.9	-37.0	-126.8	-12.1	-39.9	-0.2	49.9	22.1	68.0	-12.1	-39.9	-0.2
				Viento -Y exc.-	40.7	-10.6	-103.3	-3.4	-32.6	-0.1	40.7	6.1	55.9	-3.4	-32.6	-0.1
P91	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	272.8	-0.3	-111.1	-0.2	-136.6	-0.1	1226.3	3.9	156.3	-9.5	-69.1	-0.0
				Cargas muertas	107.8	-0.2	-45.9	-0.6	-56.3	-0.0	522.8	1.2	71.2	-3.4	-38.9	-0.0
				H 1	72.3	-0.2	44.9	-1.4	64.7	0.1	-63.1	-0.4	-15.1	1.4	-19.4	-0.1
				Sobrecarga de uso	70.6	-0.1	-38.9	-0.0	-47.5	-0.0	408.1	1.1	56.7	-2.8	-26.4	-0.0
				Viento +X exc.+	4.9	0.3	1.9	2.0	2.1	0.1	-5.8	10.4	-4.8	-23.9	3.0	-0.4
				Viento +X exc.-	3.8	0.4	1.5	2.1	1.6	0.1	-4.5	10.7	-3.8	-24.7	2.4	-0.5
				Viento -X exc.+	-4.9	-0.3	-1.9	-2.0	-2.1	-0.1	5.8	-10.4	4.8	23.9	-3.0	0.4
				Viento -X exc.-	-3.8	-0.4	-1.5	-2.1	-1.6	-0.1	4.5	-10.7	3.8	24.7	-2.4	0.5
				Viento +Y exc.+	-31.3	-0.7	-15.4	-2.7	-22.5	0.0	78.5	6.0	59.1	-17.3	-37.1	-0.3
				Viento +Y exc.-	-15.6	-1.0	-9.7	-4.1	-16.3	0.0	60.9	1.6	45.4	-7.2	-27.6	-0.1
				Viento -Y exc.+	31.3	0.7	15.4	2.7	22.5	-0.0	-78.5	-6.0	-59.1	17.3	37.1	0.3
				Viento -Y exc.-	15.6	1.0	9.7	4.1	16.3	-0.0	-60.9	-1.6	-45.4	7.2	27.6	0.1
P91a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	623.7	-1.2	-160.7	-0.4	-55.3	0.0	590.6	0.7	103.7	-0.4	-55.3	0.0
				Cargas muertas	243.1	-2.8	-23.4	-1.3	-12.7	0.0	243.1	3.6	37.4	-1.3	-12.7	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	256.3	-0.2	-48.0	-0.1	-18.5	0.0	256.3	0.1	40.4	-0.1	-18.5	0.0
				Viento +X exc.+	1.3	36.8	-6.1	12.2	-2.1	-0.1	1.3	-21.7	4.1	12.2	-2.1	-0.1
				Viento +X exc.-	1.0	38.1	-4.7	12.7	-1.6	-0.0	1.0	-22.5	3.1	12.7	-1.6	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Viento -X exc.+	-1.3	-36.8	6.1	-12.2	2.1	0.1	-1.3	21.7	-4.1	-12.2	2.1	0.1
				Viento -X exc.-	-1.0	-38.1	4.7	-12.7	1.6	0.0	-1.0	22.5	-3.1	-12.7	1.6	0.0
				Viento +Y exc.+	-20.4	30.0	98.4	9.8	33.8	0.3	-20.4	-16.8	-63.0	9.8	33.8	0.3
				Viento +Y exc.-	-15.6	9.1	75.5	3.0	25.9	0.1	-15.6	-5.1	-48.4	3.0	25.9	0.1
				Viento -Y exc.+	20.4	-30.0	-98.4	-9.8	-33.8	-0.3	20.4	16.8	63.0	-9.8	-33.8	-0.3
				Viento -Y exc.-	15.6	-9.1	-75.5	-3.0	-25.9	-0.1	15.6	5.1	48.4	-3.0	-25.9	-0.1
				Peso propio	1193.0	6.1	-154.3	1.6	-79.2	0.0	1149.9	-1.9	232.2	1.6	-79.2	0.0
				Cargas muertas	526.2	2.4	-10.3	0.6	-1.2	0.0	526.2	-0.7	-4.2	0.6	-1.2	0.0
				H 1	-0.2	-0.2	9.6	-0.1	2.4	0.0	-0.2	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	390.1	1.5	-39.5	0.4	-18.8	0.0	390.1	-0.6	52.4	0.4	-18.8	0.0
				Viento +X exc.+	3.3	61.3	-10.7	20.7	-3.4	-0.1	3.3	-39.9	6.0	20.7	-3.4	-0.1
				Viento +X exc.-	2.5	63.1	-8.4	21.3	-2.7	-0.0	2.5	-41.0	4.8	21.3	-2.7	-0.0
				Viento -X exc.+	-3.3	-61.3	10.7	-20.7	3.4	0.1	-3.3	39.9	-6.0	-20.7	3.4	0.1
				Viento -X exc.-	-2.5	-63.1	8.4	-21.3	2.7	0.0	-2.5	41.0	-4.8	-21.3	2.7	0.0
				Viento +Y exc.+	-53.7	37.2	138.5	12.2	43.4	0.2	-53.7	-22.4	-73.3	12.2	43.4	0.2
				Viento +Y exc.-	-41.2	10.6	106.6	3.4	33.5	0.1	-41.2	-6.2	-57.0	3.4	33.5	0.1
				Viento -Y exc.+	53.7	-37.2	-138.5	-12.2	-43.4	-0.2	53.7	22.4	73.3	-12.2	-43.4	-0.2
				Viento -Y exc.-	41.2	-10.6	-106.6	-3.4	-33.5	-0.1	41.2	6.2	57.0	-3.4	-33.5	-0.1
P92	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	282.8	-0.7	-110.4	-2.9	-139.9	0.1	1209.2	0.9	145.6	-2.5	-54.2	-0.0
				Cargas muertas	122.0	-0.4	-47.0	-1.6	-59.6	0.0	548.0	0.2	70.3	-0.8	-36.8	-0.0
				H 1	70.7	0.2	46.4	0.7	69.2	-0.1	-61.3	0.2	-14.4	-0.5	-20.8	0.1
				Sobrecarga de uso	77.5	-0.3	-35.6	-1.0	-45.1	0.1	387.2	-0.2	48.3	0.6	-19.7	-0.1
				Viento +X exc.+	5.8	0.3	2.3	2.0	2.6	0.1	-7.4	10.6	-5.8	-24.5	3.8	-0.5
				Viento +X exc.-	4.5	0.4	1.8	2.1	2.0	0.1	-5.7	10.9	-4.6	-25.2	2.9	-0.5
				Viento -X exc.+	-5.8	-0.3	-2.3	-2.0	-2.6	-0.1	7.4	-10.6	5.8	24.5	-3.8	0.5
				Viento -X exc.-	-4.5	-0.4	-1.8	-2.1	-2.0	-0.1	5.7	-10.9	4.6	25.2	-2.9	0.5
				Viento +Y exc.+	-36.4	-0.8	-18.3	-3.0	-26.2	0.1	90.2	6.4	65.7	-17.8	-42.0	-0.3
				Viento +Y exc.-	-17.7	-1.0	-11.1	-4.4	-18.0	0.0	66.5	1.8	47.9	-7.4	-29.7	-0.1
				Viento -Y exc.+	36.4	0.8	18.3	3.0	26.2	-0.1	-90.2	-6.4	-65.7	17.8	42.0	0.3
				Viento -Y exc.-	17.7	1.0	11.1	4.4	18.0	-0.0	-66.5	-1.8	-47.9	7.4	29.7	0.1
P92a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	644.6	2.0	-164.3	0.7	-56.6	0.0	611.5	-1.2	106.1	0.7	-56.6	0.0
				Cargas muertas	294.0	2.3	-28.3	1.1	-15.6	0.0	294.0	-2.8	46.4	1.1	-15.6	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	261.3	0.1	-49.7	0.0	-18.9	0.0	261.3	0.1	40.7	0.0	-18.9	0.0
				Viento +X exc.+	1.5	37.4	-7.4	12.4	-2.6	-0.1	1.5	-21.8	5.0	12.4	-2.6	-0.1
				Viento +X exc.-	1.1	38.8	-5.6	12.8	-2.0	-0.0	1.1	-22.6	3.8	12.8	-2.0	-0.0
				Viento -X exc.+	-1.5	-37.4	7.4	-12.4	2.6	0.1	-1.5	21.8	-5.0	-12.4	2.6	0.1
				Viento -X exc.-	-1.1	-38.8	5.6	-12.8	2.0	0.0	-1.1	22.6	-3.8	-12.8	2.0	0.0
				Viento +Y exc.+	-20.0	30.3	106.5	9.9	36.3	0.3	-20.0	-16.8	-67.1	9.9	36.3	0.3
				Viento +Y exc.-	-14.7	9.2	77.8	3.0	26.6	0.1	-14.7	-5.0	-49.2	3.0	26.6	0.1
				Viento -Y exc.+	20.0	-30.3	-106.5	-9.9	-36.3	-0.3	20.0	16.8	67.1	-9.9	-36.3	-0.3
				Viento -Y exc.-	14.7	-9.2	-77.8	-3.0	-26.6	-0.1	14.7	5.0	49.2	-3.0	-26.6	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1211.5	9.2	-153.4	3.3	-79.6	0.0	1168.4	-6.8	235.0	3.3	-79.6	0.0
				Cargas muertas	575.6	3.1	-7.3	1.0	0.4	0.0	575.6	-1.6	-9.1	1.0	0.4	0.0
				H 1	-0.2	-0.2	9.6	-0.1	2.5	0.0	-0.2	0.2	-2.4	-0.1	2.5	0.0
				Sobrecarga de uso	394.3	2.2	-39.1	0.8	-19.3	0.0	394.3	-1.7	55.0	0.8	-19.3	0.0
				Viento +X exc.+	4.2	62.0	-13.2	21.2	-4.2	-0.1	4.2	-41.3	7.3	21.2	-4.2	-0.1
				Viento +X exc.-	3.2	63.9	-10.3	21.8	-3.3	-0.0	3.2	-42.5	5.7	21.8	-3.3	-0.0
				Viento -X exc.+	-4.2	-62.0	13.2	-21.2	4.2	0.1	-4.2	41.3	-7.3	-21.2	4.2	0.1
				Viento -X exc.-	-3.2	-63.9	10.3	-21.8	3.3	0.0	-3.2	42.5	-5.7	-21.8	3.3	0.0
				Viento +Y exc.+	-55.4	37.5	150.8	12.5	47.4	0.2	-55.4	-23.2	-80.6	12.5	47.4	0.2
				Viento +Y exc.-	-40.6	10.7	110.3	3.5	34.8	0.1	-40.6	-6.3	-59.5	3.5	34.8	0.1
				Viento -Y exc.+	55.4	-37.5	-150.8	-12.5	-47.4	-0.2	55.4	23.2	80.6	-12.5	-47.4	-0.2
				Viento -Y exc.-	40.6	-10.7	-110.3	-3.5	-34.8	-0.1	40.6	6.3	59.5	-3.5	-34.8	-0.1
P93	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	274.6	0.1	-108.8	-0.6	-132.7	-0.1	1200.1	2.3	147.2	-7.8	-55.6	0.2
				Cargas muertas	100.7	-0.1	-44.2	-0.8	-53.7	-0.0	493.5	0.9	67.4	-3.2	-34.0	0.0
				H 1	70.1	-1.0	44.0	-3.0	63.2	0.3	-61.4	-0.1	-14.5	0.2	-20.7	-0.1
				Sobrecarga de uso	78.8	0.2	-37.2	0.2	-45.3	-0.1	404.5	1.1	50.8	-4.1	-19.9	0.3
				Viento +X exc.+	6.7	0.3	2.7	2.0	3.1	0.1	-9.6	10.4	-6.8	-24.2	4.7	-0.5
				Viento +X exc.-	5.2	0.3	2.1	2.1	2.4	0.1	-7.4	10.8	-5.3	-24.9	3.6	-0.5
				Viento -X exc.+	-6.7	-0.3	-2.7	-2.0	-3.1	-0.1	9.6	-10.4	6.8	24.2	-4.7	0.5
				Viento -X exc.-	-5.2	-0.3	-2.1	-2.1	-2.4	-0.1	7.4	-10.8	5.3	24.9	-3.6	0.5
				Viento +Y exc.+	-39.9	-0.7	-20.2	-2.8	-27.5	0.0	100.5	6.3	69.9	-17.2	-44.8	-0.3
				Viento +Y exc.-	-18.7	-0.9	-11.7	-4.2	-18.1	0.0	70.9	1.8	48.7	-7.0	-30.3	-0.1
				Viento -Y exc.+	39.9	0.7	20.2	2.8	27.5	-0.0	-100.5	-6.3	-69.9	17.2	44.8	0.3
				Viento -Y exc.-	18.7	0.9	11.7	4.2	18.1	0.0	-70.9	-1.8	-48.7	7.0	30.3	0.1
P93a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	625.8	1.7	-163.4	0.4	-56.2	0.0	592.6	-0.3	105.2	0.4	-56.2	0.0
				Cargas muertas	213.4	1.7	-21.0	0.5	-11.6	0.0	213.4	-0.4	34.3	0.5	-11.6	0.0
				H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	257.3	-1.0	-55.9	-0.3	-20.6	0.0	257.3	0.3	42.5	-0.3	-20.6	0.0
				Viento +X exc.+	1.4	36.7	-8.4	12.2	-3.0	-0.1	1.4	-21.7	5.7	12.2	-3.0	-0.1
				Viento +X exc.-	1.1	38.1	-6.3	12.7	-2.2	-0.0	1.1	-22.5	4.3	12.7	-2.2	-0.0
				Viento -X exc.+	-1.4	-36.7	8.4	-12.2	3.0	0.1	-1.4	21.7	-5.7	-12.2	3.0	0.1
				Viento -X exc.-	-1.1	-38.1	6.3	-12.7	2.2	0.0	-1.1	22.5	-4.3	-12.7	2.2	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Viento +Y exc.+	-17.4	29.8	110.3	9.7	37.7	0.3	-17.4	-16.8	-70.0	9.7	37.7	0.3
				Viento +Y exc.-	-12.2	9.0	77.0	2.9	26.4	0.1	-12.2	-5.0	-49.0	2.9	26.4	0.1
				Viento -Y exc.+	17.4	-29.8	-110.3	-9.7	-37.7	-0.3	17.4	16.8	70.0	-9.7	-37.7	-0.3
				Viento -Y exc.-	12.2	-9.0	-77.0	-2.9	-26.4	-0.1	12.2	5.0	49.0	-2.9	-26.4	-0.1
				Peso propio	1190.5	9.7	-151.7	3.6	-78.9	0.0	1147.4	-7.7	233.6	3.6	-78.9	0.0
				Cargas muertas	494.7	4.6	-7.9	1.9	-0.5	0.0	494.7	-4.6	-5.7	1.9	-0.5	0.0
				H 1	-0.1	-0.3	9.5	-0.1	2.4	0.0	-0.1	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	405.4	0.8	-46.5	-0.0	-23.4	0.0	405.4	0.9	67.8	-0.0	-23.4	0.0
				Viento +X exc.+	4.7	61.2	-15.5	20.7	-4.8	-0.1	4.7	-39.7	8.1	20.7	-4.8	-0.1
				Viento +X exc.-	3.7	63.0	-12.1	21.3	-3.8	-0.0	3.7	-40.9	6.4	21.3	-3.8	-0.0
				Viento -X exc.+	-4.7	-61.2	15.5	-20.7	4.8	0.1	-4.7	39.7	-8.1	-20.7	4.8	0.1
				Viento -X exc.-	-3.7	-63.0	12.1	-21.3	3.8	0.0	-3.7	40.9	-6.4	-21.3	3.8	0.0
				Viento +Y exc.+	-51.4	36.9	158.7	12.1	48.7	0.2	-51.4	-22.0	-79.2	12.1	48.7	0.2
				Viento +Y exc.-	-36.2	10.5	111.0	3.4	34.2	0.1	-36.2	-5.9	-55.9	3.4	34.2	0.1
				Viento -Y exc.+	51.4	-36.9	-158.7	-12.1	-48.7	-0.2	51.4	22.0	79.2	-12.1	-48.7	-0.2
				Viento -Y exc.-	36.2	-10.5	-111.0	-3.4	-34.2	-0.1	36.2	5.9	55.9	-3.4	-34.2	-0.1
P94	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	267.8	-0.4	-113.0	-0.9	-135.6	-0.0	1230.0	2.6	152.6	-8.0	-57.9	-0.1
				Cargas muertas	99.3	-0.2	-45.5	-0.8	-54.4	-0.0	504.9	1.0	69.0	-3.3	-34.8	-0.0
				H 1	75.3	-0.4	44.2	-1.5	62.0	0.1	-61.5	-0.1	-14.6	0.1	-20.0	-0.0
				Sobrecarga de uso	73.8	-0.1	-43.4	-0.2	-51.6	-0.0	442.7	0.8	59.0	-2.7	-21.9	0.0
				Viento +X exc.+	8.0	0.3	3.1	1.9	3.5	0.1	-11.5	10.4	-8.0	-24.0	5.6	-0.5
				Viento +X exc.-	6.3	0.3	2.4	2.0	2.7	0.1	-9.0	10.7	-6.2	-24.7	4.4	-0.5
				Viento -X exc.+	-8.0	-0.3	-3.1	-1.9	-3.5	-0.1	11.5	-10.4	8.0	24.0	-5.6	0.5
				Viento -X exc.-	-6.3	-0.3	-2.4	-2.0	-2.7	-0.1	9.0	-10.7	6.2	24.7	-4.4	0.5
				Viento +Y exc.+	-46.1	-0.7	-22.2	-2.6	-29.3	0.0	108.9	6.3	74.4	-16.6	-48.0	-0.2
				Viento +Y exc.-	-21.7	-1.0	-12.6	-4.1	-18.6	0.0	74.0	1.8	49.8	-6.7	-31.2	-0.0
				Viento -Y exc.+	46.1	0.7	22.2	2.6	29.3	-0.0	-108.9	-6.3	-74.4	16.6	48.0	0.2
				Viento -Y exc.-	21.7	1.0	12.6	4.1	18.6	-0.0	-74.0	-1.8	-49.8	6.7	31.2	0.0
P94a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	624.1	3.9	-169.3	1.3	-57.7	0.0	591.0	-2.1	106.6	1.3	-57.7	0.0
				Cargas muertas	222.6	2.2	-20.8	0.7	-11.1	0.0	222.6	-1.2	32.2	0.7	-11.1	0.0
				H 1	0.0	0.0	-1.4	0.0	-0.3	0.0	0.0	0.0	0.2	0.0	-0.3	0.0
				Sobrecarga de uso	256.2	1.0	-63.0	0.3	-22.4	0.0	256.2	-0.4	44.3	0.3	-22.4	0.0
				Viento +X exc.+	1.7	36.4	-9.8	12.1	-3.4	-0.1	1.7	-21.6	6.5	12.1	-3.4	-0.1
				Viento +X exc.-	1.4	37.7	-7.4	12.6	-2.6	-0.0	1.4	-22.4	4.9	12.6	-2.6	-0.0
				Viento -X exc.+	-1.7	-36.4	9.8	-12.1	3.4	0.1	-1.7	21.6	-6.5	-12.1	3.4	0.1
				Viento -X exc.-	-1.4	-37.7	7.4	-12.6	2.6	0.0	-1.4	22.4	-4.9	-12.6	2.6	0.0
				Viento +Y exc.+	-16.8	29.7	115.8	9.7	39.6	0.3	-16.8	-16.7	-73.3	9.7	39.6	0.3
				Viento +Y exc.-	-11.4	9.0	77.7	2.9	26.6	0.1	-11.4	-5.0	-49.3	2.9	26.6	0.1
				Viento -Y exc.+	16.8	-29.7	-115.8	-9.7	-39.6	-0.3	16.8	16.7	73.3	-9.7	-39.6	-0.3
				Viento -Y exc.-	11.4	-9.0	-77.7	-2.9	-26.6	-0.1	11.4	5.0	49.3	-2.9	-26.6	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	1210.0	10.7	-158.9	4.2	-83.0	0.0	1166.9	-9.9	246.1	4.2	-83.0	0.0
				Cargas muertas	505.2	4.3	-9.8	1.7	-1.6	0.0	505.2	-4.1	-2.2	1.7	-1.6	0.0
				H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	0.2	-2.3	-0.1	2.4	0.0
				Sobrecarga de uso	421.0	2.8	-57.3	1.1	-28.9	0.0	421.0	-2.8	83.9	1.1	-28.9	0.0
				Viento +X exc.+	5.7	60.8	-18.1	20.4	-5.7	-0.1	5.7	-39.0	9.6	20.4	-5.7	-0.1
				Viento +X exc.-	4.6	62.6	-14.1	21.1	-4.5	-0.0	4.6	-40.1	7.6	21.1	-4.5	-0.0
				Viento -X exc.+	-5.7	-60.8	18.1	-20.4	5.7	0.1	-5.7	39.0	-9.6	-20.4	5.7	0.1
				Viento -X exc.-	-4.6	-62.6	14.1	-21.1	4.5	0.0	-4.6	40.1	-7.6	-21.1	4.5	0.0
				Viento +Y exc.+	-51.1	36.8	168.5	12.0	51.2	0.2	-51.1	-21.8	-81.4	12.0	51.2	0.2
				Viento +Y exc.-	-34.5	10.5	113.2	3.4	34.5	0.1	-34.5	-6.0	-55.2	3.4	34.5	0.1
				Viento -Y exc.+	51.1	-36.8	-168.5	-12.0	-51.2	-0.2	51.1	21.8	81.4	-12.0	-51.2	-0.2
				Viento -Y exc.-	34.5	-10.5	-113.2	-3.4	-34.5	-0.1	34.5	6.0	55.2	-3.4	-34.5	-0.1
P95	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	290.8	-0.4	-106.0	0.3	-131.1	0.1	1232.2	-5.3	150.0	13.4	-68.2	-0.7
				Cargas muertas	99.4	-0.3	-41.0	-0.5	-50.3	0.0	473.1	-1.0	63.5	2.2	-34.1	-0.2
				H 1	72.8	-0.3	44.7	-1.8	64.6	0.1	-61.9	0.2	-14.6	-0.9	-20.1	0.0
				Sobrecarga de uso	87.8	-0.2	-40.0	0.2	-49.2	0.1	448.7	-2.5	56.7	6.5	-25.6	-0.3
				Viento +X exc.+	7.1	0.3	3.5	1.9	4.0	0.1	-16.2	10.4	-8.7	-24.3	6.2	-0.5
				Viento +X exc.-	5.3	0.4	2.7	2.0	3.1	0.1	-13.5	10.7	-6.7	-25.0	4.8	-0.5
				Viento -X exc.+	-7.1	-0.3	-3.5	-1.9	-4.0	-0.1	16.2	-10.4	8.7	24.3	-6.2	0.5
				Viento -X exc.-	-5.3	-0.4	-2.7	-2.0	-3.1	-0.1	13.5	-10.7	6.7	25.0	-4.8	0.5
				Viento +Y exc.+	-49.3	-0.7	-23.6	-2.4	-31.1	0.0	111.1	6.8	77.3	-17.1	-49.7	-0.2
				Viento +Y exc.-	-22.4	-1.0	-12.9	-4.0	-19.0	0.0	73.5	2.1	49.8	-7.0	-31.1	-0.0
				Viento -Y exc.+	49.3	0.7	23.6	2.4	31.1	-0.0	-111.1	-6.8	-77.3	17.1	49.7	0.2
				Viento -Y exc.-	22.4	1.0	12.9	4.0	19.0	-0.0	-73.5	-2.1	-49.8	7.0	31.1	0.0
P95a	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	640.9	-2.0	-167.8	-0.8	-57.3	0.0	607.8	1.8	106.2	-0.8	-57.3	0.0
				Cargas muertas	196.8	3.0	-19.5	0.9	-8.8	0.0	196.8	-1.1	22.6	0.9	-8.8	0.0
				H 1	0.1	-0.0	-1.4	-0.0	-0.3	0.0	0.1	0.0	0.2	-0.0	-0.3	0.0
				Sobrecarga de uso	274.9	-1.6	-63.5	-0.6	-22.7	0.0	274.9	1.5	45.0	-0.6	-22.7	0.0
				Viento +X exc.+	-0.1	37.6	-10.5	12.5	-3.7	-0.1	-0.1	-22.1	7.2	12.5	-3.7	-0.1
				Viento +X exc.-	-0.5	39.0	-7.8	12.9	-2.8	-0.0	-0.5	-22.9	5.4	12.9	-2.8	-0.0
				Viento -X exc.+	0.1	-37.6	10.5	-12.5	3.7	0.1	0.1	22.1	-7.2	-12.5	3.7	0.1
				Viento -X exc.-	0.5	-39.0	7.8	-12.9	2.8	0.0	0.5	22.9	-5.4	-12.9	2.8	0.0
				Viento +Y exc.+	-16.3	30.6	120.6	10.0	41.3	0.3	-16.3	-17.1	-76.6	10.0	41.3	0.3
				Viento +Y exc.-	-10.2	9.4	78.0	3.0	26.7	0.1	-10.2	-5.2	-49.7	3.0	26.7	0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. primera +5.35	60x60	-0.10/4.78	Viento -Y exc.+	16.3	-30.6	-120.6	-10.0	-41.3	-0.3	16.3	17.1	76.6	-10.0	-41.3	-0.3
				Viento -Y exc.-	10.2	-9.4	-78.0	-3.0	-26.7	-0.1	10.2	5.2	49.7	-3.0	-26.7	-0.1
				Peso propio	1229.9	7.8	-152.9	2.2	-80.7	0.0	1186.9	-2.7	240.9	2.2	-80.7	0.0
				Cargas muertas	472.1	6.1	-15.4	2.7	-5.5	0.0	472.1	-6.9	11.6	2.7	-5.5	0.0
				H 1	-0.0	-0.3	9.6	-0.1	2.5	0.0	-0.0	0.3	-2.5	-0.1	2.5	0.0
				Sobrecarga de uso	444.0	1.6	-55.5	0.3	-28.4	0.0	444.0	-0.0	83.0	0.3	-28.4	0.0
				Viento +X exc.+	0.3	62.0	-20.0	21.1	-6.1	-0.1	0.3	-41.2	9.8	21.1	-6.1	-0.1
				Viento +X exc.-	-1.0	63.9	-15.6	21.8	-4.8	-0.0	-1.0	-42.4	7.7	21.8	-4.8	-0.0
				Viento -X exc.+	-0.3	-62.0	20.0	-21.1	6.1	0.1	-0.3	41.2	-9.8	-21.1	6.1	0.1
				Viento -X exc.-	1.0	-63.9	15.6	-21.8	4.8	0.0	1.0	42.4	-7.7	-21.8	4.8	0.0
				Viento +Y exc.+	-54.3	37.6	177.8	12.5	53.2	0.2	-54.3	-23.4	-82.1	12.5	53.2	0.2
				Viento +Y exc.-	-34.1	10.8	115.0	3.6	34.5	0.1	-34.1	-6.6	-53.5	3.6	34.5	0.1
				Viento -Y exc.+	54.3	-37.6	-177.8	-12.5	-53.2	-0.2	54.3	23.4	82.1	-12.5	-53.2	-0.2
				Viento -Y exc.-	34.1	-10.8	-115.0	-3.6	-34.5	-0.1	34.1	6.6	53.5	-3.6	-34.5	-0.1
P96	P. Baja +0.00	50x80	-3.60/-0.57	Peso propio	226.7	0.7	1.7	4.0	3.4	-0.1	566.3	3.6	-14.6	-1.1	54.3	0.3
				Cargas muertas	120.9	0.4	0.7	2.1	1.1	-0.1	336.0	-1.7	-8.8	19.7	25.9	0.4
				H 1	-9.7	-3.7	3.1	-8.2	9.3	0.7	-5.7	-0.4	-4.3	0.0	2.2	-1.1
				Sobrecarga de uso	59.4	0.2	0.4	1.2	0.9	-0.0	173.2	1.2	-4.2	-1.5	16.1	0.1
				Viento +X exc.+	5.5	0.6	-0.1	2.6	-0.2	0.0	6.7	8.4	-7.6	-35.5	15.6	-0.4
				Viento +X exc.-	5.0	0.6	-0.1	2.6	-0.2	0.0	5.6	8.6	-6.3	-35.9	12.9	-0.4
				Viento -X exc.+	-5.5	-0.6	0.1	-2.6	0.2	-0.0	-6.7	-8.4	7.6	35.5	-15.6	0.4
				Viento -X exc.-	-5.0	-0.6	0.1	-2.6	0.2	-0.0	-5.6	-8.6	6.3	35.9	-12.9	0.4
				Viento +Y exc.+	-76.5	-1.1	8.7	0.6	24.1	0.2	-47.7	0.8	50.8	2.9	-74.8	-1.7
				Viento +Y exc.-	-69.6	-1.3	8.8	-0.6	24.4	0.1	-32.2	-1.1	33.4	9.9	-36.6	-0.9
				Viento -Y exc.+	76.5	1.1	-8.7	-0.6	-24.1	-0.2	47.7	-0.8	-50.8	-2.9	74.8	1.7
				Viento -Y exc.-	69.6	1.3	-8.8	0.6	-24.4	-0.1	32.2	1.1	-33.4	-9.9	36.6	0.9
	P. segunda +10.70	Diámetro 60	5.25/10.03	Peso propio	454.2	44.6	-149.5	15.0	-51.8	0.0	421.0	-27.1	98.3	15.0	-51.8	0.0
				Cargas muertas	154.5	-7.1	-55.0	-0.8	-16.5	0.0	154.5	-3.3	23.6	-0.8	-16.5	0.0
				H 1	-0.0	0.1	-0.3	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	-0.1	0.0
				Sobrecarga de uso	172.9	19.2	-51.6	6.8	-19.2	0.0	172.9	-13.6	40.1	6.8	-19.2	0.0
				Viento +X exc.+	6.4	29.3	-11.3	10.2	-4.0	-0.1	6.4	-19.5	7.9	10.2	-4.0	-0.1
				Viento +X exc.-	6.3	30.4	-8.6	10.6	-3.1	-0.0	6.3	-20.2	6.1	10.6	-3.1	-0.0
				Viento -X exc.+	-6.4	-29.3	11.3	-10.2	4.0	0.1	-6.4	19.5	-7.9	-10.2	4.0	0.1
				Viento -X exc.-	-6.3	-30.4	8.6	-10.6	3.1	0.0	-6.3	20.2	-6.1	-10.6	3.1	0.0
				Viento +Y exc.+	-7.6	23.8	112.9	8.1	39.6	0.3	-7.6	-15.0	-76.3	8.1	39.6	0.3
				Viento +Y exc.-	-6.0	7.0	70.7	2.4	24.8	0.1	-6.0	-4.5	-47.9	2.4	24.8	0.1
				Viento -Y exc.+	7.6	-23.8	-112.9	-8.1	-39.6	-0.3	7.6	15.0	76.3	-8.1	-39.6	-0.3
				Viento -Y exc.-	6.0	-7.0	-70.7	-2.4	-24.8	-0.1	6.0	4.5	47.9	-2.4	-24.8	-0.1
	P. primera +5.35	60x60	-0.10/4.78	Peso propio	879.9	43.5	-80.0	22.8	-53.6	0.0	836.9	-68.0	181.7	22.8	-53.6	0.0
				Cargas muertas	512.4	-9.7	-42.6	-6.7	-27.4	0.0	512.4	23.2	91.3	-6.7	-27.4	0.0
				H 1	-0.2	-1.0	0.9	-0.3	0.2	0.0	-0.2	0.4	-0.1	-0.3	0.2	0.0
				Sobrecarga de uso	273.0	15.1	-23.2	8.2	-15.3	0.0	273.0	-24.8	51.4	8.2	-15.3	0.0
				Viento +X exc.+	23.2	53.6	-23.6	16.1	-7.0	-0.1	23.2	-25.0	10.8	16.1	-7.0	-0.1
				Viento +X exc.-	22.8	55.2	-18.6	16.6	-5.6	-0.0	22.8	-25.6	9.0	16.6	-5.6	-0.0
				Viento -X exc.+	-23.2	-53.6	23.6	-16.1	7.0	0.1	-23.2	25.0	-10.8	-16.1	7.0	0.1
				Viento -X exc.-	-22.8	-55.2	18.6	-16.6	5.6	0.0	-22.8	25.6	-9.0	-16.6	5.6	0.0
				Viento +Y exc.+	-24.7	31.2	187.9	8.5	51.7	0.2	-24.7	-10.4	-64.3	8.5	51.7	0.2
				Viento +Y exc.-	-19.9	8.7	117.9	2.2	32.5	0.1	-19.9	-2.0	-40.8	2.2	32.5	0.1
				Viento -Y exc.+	24.7	-31.2	-187.9	-8.5	-51.7	-0.2	24.7	10.4	64.3	-8.5	-51.7	-0.2
				Viento -Y exc.-	19.9	-8.7	-117.9	-2.2	-32.5	-0.1	19.9	2.0	40.8	-2.2	-32.5	-0.1
P97	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.6	0.1	-0.5	0.0	-0.4	0.0	7.1	0.0	0.6	0.0	-0.4	0.0
				Cargas muertas	2.2	0.0	-0.2	0.0	-0.1	0.0	2.2	0.0	0.2	0.0	-0.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.1	0.1	-0.1	0.1	-0.0	0.0	-0.1	-0.0	-0.0	0.1	-0.0	0.0
				Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-1.6	0.3	2.1	-0.1	-0.0
				Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-1.8	0.9	2.3	-0.6	0.0
				Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	1.6	-0.3	-2.1	0.1	0.0
				Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	1.8	-0.9	-2.3	0.6	-0.0
				Viento +Y exc.+	-2.7	0.0	4.5	-0.0	3.3	0.0	-2.7	0.1	-4.1	-0.0	3.3	0.0
				Viento +Y exc.-	-3.0	-0.3	5.1	-0.2	3.7	-0.0	-3.0	0.3	-4.6	-0.2	3.7	-0.0
				Viento -Y exc.+	2.7	-0.0	-4.5	0.0	-3.3	-0.0	2.7	-0.1	4.1	0.0	-3.3	-0.0
				Viento -Y exc.-	3.0	0.3	-5.1	0.2	-3.7	0.0	3.0	-0.3	4.6	0.2	-3.7	0.0
	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.7	-0.2	0.7	-0.1	0.6	0.0	7.1	0.1	-1.0	-0.1	0.6	0.0
				Cargas muertas	2.2	-0.1	0.2	-0.0	0.2	0.0	2.2	0.0	-0.3	-0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.1	-0.2	0.1	-0.1	0.1	0.0	-0.1	0.1	-0.2	-0.1	0.1	0.0
				Viento +X exc.+	2.1	4.1	-0.6	2.3	-0.6	-0.0	2.1	-1.8	0.9	2.3	-0.6	-0.0
				Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	-1.7	0.3	2.1	-0.1	0.0
				Viento -X exc.+	-2.1	-4.1	0.6	-2.3	0.6	0.0	-2.1	1.8	-0.9	-2.3	0.6	0.0
				Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	1.7	-0.3	-2.1	0.1	-0.0
				Viento +Y exc.+	2.1	-0.2	4.9	-0.2	3.6	0.0	2.1	0.3	-4.5	-0.2	3.6	0.0
				Viento +Y exc.-	1.8	0.0	4.4	-0.0	3.2	-0.0	1.8	0.1	-4.0	-0.0	3.2	-0.0
				Viento -Y exc.+	-2.1	0.2	-4.9	0.2	-3.6	-0.0	-2.1	-0.3	4.5	0.2	-3.6	-0.0
				Viento -Y exc.-	-1.8	-0.0	-4.4	0.0	-3.2	0.0	-1.8	-0.1	4.0	0.0	-3.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P99	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.3	0.0	-0.9	0.0	-0.8	0.0	12.8	-0.0	1.0	0.0	-0.8	0.0
				Cargas muertas	4.2	0.0	-0.3	0.0	-0.2	0.0	4.2	-0.0	0.3	0.0	-0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	0.0	0.3	-0.0	-0.2	0.0
				Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	-1.6	-0.3	2.1	0.1	-0.0
				Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	-1.8	-0.9	2.3	0.6	0.0
				Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	1.6	0.3	-2.1	-0.1	0.0
				Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	1.8	0.9	-2.3	-0.6	-0.0
				Viento +Y exc.+	-2.1	0.3	4.9	0.2	3.6	0.0	-2.1	-0.3	-4.5	0.2	3.6	0.0
				Viento +Y exc.-	-1.8	-0.0	4.4	0.0	3.2	-0.0	-1.8	-0.1	-4.0	0.0	3.2	-0.0
				Viento -Y exc.+	2.1	-0.3	-4.9	-0.2	-3.6	-0.0	2.1	0.3	4.5	-0.2	-3.6	-0.0
				Viento -Y exc.-	1.8	0.0	-4.4	-0.0	-3.2	0.0	1.8	0.1	4.0	-0.0	-3.2	0.0
P100	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.3	0.1	0.7	0.1	0.7	0.0	6.8	-0.1	-1.0	0.1	0.7	0.0
				Cargas muertas	2.0	0.1	0.2	0.0	0.2	0.0	2.0	-0.0	-0.3	0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.1	0.1	0.2	0.1	0.2	0.0	-0.1	-0.1	-0.2	0.1	0.2	0.0
				Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-1.8	-0.9	2.3	0.6	-0.0
				Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-1.7	-0.3	2.1	0.1	0.0
				Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	1.8	0.9	-2.3	-0.6	0.0
				Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	1.7	0.3	-2.1	-0.1	-0.0
				Viento +Y exc.+	2.2	-0.0	4.4	0.0	3.2	0.0	2.2	-0.1	-4.0	0.0	3.2	0.0
				Viento +Y exc.-	2.3	0.2	4.9	0.2	3.6	0.0	2.3	-0.3	-4.5	0.2	3.6	0.0
				Viento -Y exc.+	-2.2	0.0	-4.4	-0.0	-3.2	-0.0	-2.2	0.1	4.0	-0.0	-3.2	-0.0
				Viento -Y exc.-	-2.3	-0.2	-4.9	-0.2	-3.6	0.0	-2.3	0.3	4.5	-0.2	-3.6	0.0
P101	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.7	-0.1	-1.0	-0.0	-0.8	0.0	13.2	0.0	1.1	-0.0	-0.8	0.0
				Cargas muertas	4.4	-0.0	-0.3	-0.0	-0.3	0.0	4.4	0.0	0.3	-0.0	-0.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.4	-0.0	-0.3	-0.0	-0.2	0.0	4.4	0.0	0.3	-0.0	-0.2	0.0
				Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-1.6	0.3	2.1	-0.1	-0.0
				Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-1.8	0.9	2.3	-0.6	0.0
				Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	1.6	-0.3	-2.1	0.1	0.0
				Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	1.8	-0.9	-2.3	0.6	-0.0
				Viento +Y exc.+	-2.2	0.0	4.4	-0.0	3.2	0.0	-2.2	0.1	-4.0	-0.0	3.2	0.0
				Viento +Y exc.-	-2.3	-0.3	5.0	-0.2	3.6	0.0	-2.3	0.3	-4.5	-0.2	3.6	0.0
				Viento -Y exc.+	2.2	-0.0	-4.4	0.0	-3.2	-0.0	2.2	-0.1	4.0	0.0	-3.2	-0.0
				Viento -Y exc.-	2.3	0.3	-5.0	0.2	-3.6	0.0	2.3	-0.3	4.5	0.2	-3.6	0.0
P102	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.3	-0.1	-0.5	-0.0	-0.4	0.0	6.7	-0.0	0.6	-0.0	-0.4	0.0
				Cargas muertas	2.0	-0.0	-0.1	-0.0	-0.1	0.0	2.0	-0.0	0.2	-0.0	-0.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.2	-0.1	-0.0	-0.0	0.0	0.0	-0.2	0.0	-0.0	-0.0	0.0	0.0
				Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	-1.6	-0.3	2.1	0.1	-0.0
				Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	-1.8	-0.9	2.3	0.6	0.0
				Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	1.6	0.3	-2.1	-0.1	0.0
				Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	1.8	0.9	-2.3	-0.6	-0.0
				Viento +Y exc.+	-2.7	0.3	5.1	0.2	3.7	0.0	-2.7	-0.3	-4.6	0.2	3.7	0.0
				Viento +Y exc.-	-2.6	-0.0	4.6	0.1	3.3	0.0	-2.6	-0.1	-4.1	0.1	3.3	0.0
				Viento -Y exc.+	2.7	-0.3	-5.1	-0.2	-3.7	-0.0	2.7	0.3	4.6	-0.2	-3.7	-0.0
				Viento -Y exc.-	2.6	0.0	-4.6	-0.1	-3.3	0.0	2.6	0.1	-4.1	-0.1	-3.3	0.0
P103	Casetón ascensor +35.07	HE 240 B	32.20/34.67	Peso propio	-52.6	12.8	-7.2	9.5	-2.1	0.0	-54.6	-10.7	-2.2	9.5	-2.1	0.0
				Cargas muertas	-18.3	5.0	-3.4	3.7	-1.2	0.0	-18.3	-4.0	-0.6	3.7	-1.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-20.9	9.7	-4.6	7.0	-1.8	0.0	-20.9	-7.7	-0.2	7.0	-1.8	0.0
				Viento +X exc.+	-1.1	2.9	-0.3	2.0	-0.1	0.0	-1.1	-2.2	-0.0	2.0	-0.1	0.0
				Viento +X exc.-	-1.2	2.9	-0.5	2.0	-0.2	0.0	-1.2	-2.1	0.1	2.0	-0.2	0.0
				Viento -X exc.+	1.1	-2.9	0.3	-2.0	0.1	0.0	1.1	2.2	0.0	-2.0	0.1	0.0
				Viento -X exc.-	1.2	-2.9	0.5	-2.0	0.2	0.0	1.2	2.1	-0.1	-2.0	0.2	0.0
				Viento +Y exc.+	13.4	-2.6	24.6	-1.8	16.1	0.0	13.4	1.8	-15.0	-1.8	16.1	0.0
				Viento +Y exc.-	16.0	-2.3	30.5	-1.5	19.9	-0.0	16.0	1.5	-18.7	-1.5	19.9	-0.0
				Viento -Y exc.+	-13.4	2.6	-24.6	1.8	-16.1	-0.0	-13.4	-1.8	15.0	1.8	-16.1	-0.0
				Viento -Y exc.-	-16.0	2.3	-30.5	1.5	-19.9	0.0	-16.0	-1.5	18.7	1.5	-19.9	0.0
P104	Casetón ascensor +35.07	HE 240 B	32.20/34.67	Peso propio	-50.0	-12.1	-7.0	-9.2	-2.0	0.0	-52.1	10.5	-2.2	-9.2	-2.0	0.0
				Cargas muertas	-17.4	-4.7	-3.3	-3.5	-1.1	0.0	-17.4	3.9	-0.6	-3.5	-1.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-19.9	-9.2	-4.4	-6.8	-1.7	0.0	-19.9	7.6	-0.1	-6.8	-1.7	0.0
				Viento +X exc.+	1.3	3.1	0.3	2.2	0.1	0.0	1.3	-2.3	0.1	2.2	0.1	0.0
				Viento +X exc.-	1.3	3.0	0.5	2.1	0.2	0.0	1.3	-2.2	-0.1	2.1	0.2	0.0
				Viento -X exc.+	-1.3	-3.1	-0.3	-2.2	-0.1	0.0	-1.3	2.3	-0.1	-2.2	-0.1	0.0
				Viento -X exc.-	-1.3	-3.0	-0.5	-2.1	-0.2	0.0	-1.3	2.2	0.1	-2.1	-0.2	0.0
				Viento +Y exc.+	15.5	1.7	30.2	1.1	19.9	0.0	15.5	-1.1	-18.8	1.1	19.9	0.0
				Viento +Y exc.-	13.8	3.0	24.7	2.1	16.1	-0.0	13.8	-2.1	-15.0	2.1	16.1	-0.0
				Viento -Y exc.+	-15.5	-1.7	-30.2	-1.1	-19.9	-0.0	-15.5	1.1	18.8	-1.1	-19.9	-0.0
				Viento -Y exc.-	-13.8	-3.0	-24.7	-2.1	-16.1	0.0	-13.8	2.1	15.0	-2.1	-16.1	0.0
P105	Casetón ascensor +35.07	HE 240 B	32.20/34.67	Peso propio	63.8	-4.2	-7.8	-10.5	-4.7	0.0	61.7	21.7	3.8	-10.5	-4.7	0.0
				Cargas muertas	19.3	-0.6	-1.5	-2.9	-1.0	0.0	19.3	6.5	1.1	-2.9	-1.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	12.0	4.0	-0.5	0.9	-0.2	0.0	12.0	1.7	0.0	0.9	-0.2	0.0
				Viento +X exc.+	-0.5	2.9	0.3	2.0	0.1	0.0	-0.5	-2.0	-0.0	2.0	0.1	0.0
				Viento +X exc.-	-0.4	2.9	0.0	2.0	-0.0	0.0	-0.4	-2.1	0.1	2.0	-0.0	0.0
				Viento -X exc.+	0.5	-2.9	-0.3	-2.0	-0.1	0.0	0.5	2.0	0.0	-2.0	-0.1	0.0
				Viento -X exc.-	0.4	-2.9	-0.0	-2.0	0.0	0.0	0.4	2.1	-0.1	-2.0	0.0	0.0
				Viento +Y exc.+	-12.4	2.8	27.0	1.7	17.4	0.0	-12.4	-1.4	-15.9	1.7	17.4	0.0
				Viento +Y exc.-	-14.7	2.1	33.3	1.1	21.5	-0.0	-14.7	-0.5	-19.7	1.1	21.5	-0.0
				Viento -Y exc.+	12.4	-2.8	-27.0	-1.7	-17.4	-0.0	12.4	1.4	15.9	-1.7	-17.4	-0.0
				Viento -Y exc.-	14.7	-2.1	-33.3	-1.1	-21.5	0.0	14.7	0.5	19.7	-1.1	-21.5	0.0
P106	Casetón ascensor +35.07	HE 240 B	32.20/34.67	Peso propio	64.0	4.4	-7.5	10.5	-4.7	0.0	62.0	-21.6	4.1	10.5	-4.7	0.0
				Cargas muertas	19.4	0.6	-1.4	2.8	-1.0	0.0	19.4	-6.4	1.2	2.8	-1.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	12.2	-3.9	-0.5	-0.9	-0.3	0.0	12.2	-1.7	0.2	-0.9	-0.3	0.0
				Viento +X exc.+	0.5	2.9	-0.2	2.0	-0.1	0.0	0.5	-2.1	0.0	2.0	-0.1	0.0
				Viento +X exc.-	0.4	3.0	0.0	2.1	0.1	0.0	0.4	-2.1	-0.1	2.1	0.1	0.0
				Viento -X exc.+	-0.5	-2.9	0.2	-2.0	0.1	0.0	-0.5	2.1	-0.0	-2.0	0.1	0.0
				Viento -X exc.-	-0.4	-3.0	-0.0	-2.1	-0.1	0.0	-0.4	2.1	0.1	-2.1	-0.1	0.0
				Viento +Y exc.+	-14.9	-1.7	32.9	-0.9	21.4	0.0	-14.9	0.6	-19.9	-0.9	21.4	0.0
				Viento +Y exc.-	-12.4	-3.1	27.5	-1.8	17.6	-0.0	-12.4	1.4	-15.9	-1.8	17.6	-0.0
P107	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Viento -Y exc.+	14.9	1.7	-32.9	0.9	-21.4	-0.0	14.9	-0.6	19.9	0.9	-21.4	-0.0
				Viento -Y exc.-	12.4	3.1	-27.5	1.8	-17.6	0.0	12.4	-1.4	15.9	1.8	-17.6	0.0
				Peso propio	5.7	-0.4	0.6	-0.2	0.6	0.0	5.2	0.1	-0.9	-0.2	0.6	0.0
				Cargas muertas	1.1	-0.2	0.1	-0.1	0.2	0.0	1.1	0.1	-0.3	-0.1	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-1.3	-0.4	0.1	-0.2	0.1	0.0	-1.3	0.1	-0.2	-0.2	0.1	0.0
				Viento +X exc.+	2.1	4.1	-0.6	2.3	-0.6	-0.0	2.1	-1.8	0.9	2.3	-0.6	-0.0
				Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	-1.6	0.3	2.1	-0.1	0.0
				Viento -X exc.+	-2.1	-4.1	0.6	-2.3	0.6	0.0	-2.1	1.8	-0.9	-2.3	0.6	0.0
				Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	1.6	-0.3	-2.1	0.1	-0.0
P108	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Viento +Y exc.+	2.4	-0.2	4.9	-0.2	3.6	0.0	2.4	0.3	-4.5	-0.2	3.6	0.0
				Viento +Y exc.-	2.2	0.0	4.4	-0.0	3.2	-0.0	2.2	0.1	-4.0	-0.0	3.2	-0.0
				Viento -Y exc.+	-2.4	0.2	-4.9	0.2	-3.6	0.0	-2.4	-0.3	4.5	0.2	-3.6	0.0
				Viento -Y exc.-	-2.2	-0.0	-4.4	0.0	-3.2	0.0	-2.2	-0.1	4.0	0.0	-3.2	0.0
				Peso propio	5.6	0.2	-0.6	0.1	-0.5	0.0	5.1	-0.0	0.6	0.1	-0.5	0.0
				Cargas muertas	1.1	0.1	-0.2	0.0	-0.1	0.0	1.1	-0.0	0.1	0.0	-0.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-1.3	0.2	-0.1	0.1	-0.0	0.0	-1.3	-0.0	-0.1	0.1	-0.0	0.0
				Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-1.7	0.3	2.1	-0.1	-0.0
				Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-1.8	0.9	2.3	-0.6	0.0
P109	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	1.7	-0.3	-2.1	0.1	0.0
				Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	1.8	-0.9	-2.3	0.6	-0.0
				Viento +Y exc.+	-2.5	0.0	4.5	-0.1	3.3	0.0	-2.5	0.1	-4.1	-0.1	3.3	0.0
				Viento +Y exc.-	-2.7	-0.3	5.1	-0.2	3.7	-0.0	-2.7	0.3	-4.6	-0.2	3.7	-0.0
				Viento -Y exc.+	2.5	-0.0	-4.5	0.1	-3.3	0.0	2.5	-0.1	4.1	0.1	-3.3	0.0
				Viento -Y exc.-	2.7	0.3	-5.1	0.2	-3.7	0.0	2.7	-0.3	4.6	0.2	-3.7	0.0
				Peso propio	15.3	0.0	-1.0	0.0	-0.8	0.0	14.8	-0.0	1.1	0.0	-0.8	0.0
				Cargas muertas	5.3	0.0	-0.3	0.0	-0.3	0.0	5.3	-0.0	0.4	0.0	-0.3	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	5.5	-0.0	-0.4	-0.0	-0.3	0.0	5.5	-0.0	0.3	-0.0	-0.3	0.0
P110	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	-1.6	-0.3	2.1	0.1	-0.0
				Viento +X exc.-	2.0	4.0	0.6	2.2	0.6	0.0	2.0	-1.8	-0.9	2.2	0.6	0.0
				Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	1.6	0.3	-2.1	-0.1	0.0
				Viento -X exc.-	-2.0	-4.0	-0.6	-2.2	-0.6	-0.0	-2.0	1.8	0.9	-2.2	-0.6	-0.0
				Viento +Y exc.+	-2.4	0.2	5.0	0.2	3.6	0.0	-2.4	-0.3	-4.5	0.2	3.6	0.0
				Viento +Y exc.-	-2.2	-0.0	4.4	0.0	3.2	-0.0	-2.2	-0.1	-4.0	0.0	3.2	-0.0
				Viento -Y exc.+	2.4	-0.2	-5.0	-0.2	-3.6	0.0	2.4	0.3	4.5	-0.2	-3.6	0.0
				Viento -Y exc.-	2.2	0.0	-4.4	-0.0	-3.2	0.0	2.2	0.1	4.0	-0.0	-3.2	0.0
				Peso propio	7.7	-0.2	0.7	-0.1	0.7	0.0	7.2	0.1	-1.0	-0.1	0.7	0.0
				Cargas muertas	2.1	-0.1	0.2	-0.0	0.2	0.0	2.1	0.0	-0.3	-0.0	0.2	0.0
P111	Casetón ascensor +35.07	HE 100 B	32.20/34.81	H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.1	-0.2	0.2	-0.1	0.2	0.0	-0.1	0.1	-0.2	-0.1	0.2	0.0
				Viento +X exc.+	2.0	4.1	-0.6	2.3	-0.6	-0.0	2.0	-1.8	0.9	2.3	-0.6	-0.0
				Viento +X exc.-	2.2	3.7	0.0	2.1	-0.1	0.0	2.2	-1.6	0.3	2.1	-0.1	0.0
				Viento -X exc.+	-2.0	-4.1	0.6	-2.3	0.6	0.0	-2.0	1.8	-0.9	-2.3	0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-1.6	0.3	2.1	-0.1	-0.0
				Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-1.8	0.9	2.3	-0.6	0.0
				Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	1.6	-0.3	-2.1	0.1	0.0
				Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	1.8	-0.9	-2.3	0.6	-0.0
				Viento +Y exc.+	-2.8	0.0	4.5	-0.0	3.3	0.0	-2.8	0.1	-4.1	-0.0	3.3	0.0
				Viento +Y exc.-	-3.0	-0.3	5.1	-0.2	3.7	-0.0	-3.0	0.3	-4.6	-0.2	3.7	-0.0
				Viento -Y exc.+	2.8	-0.0	-4.5	0.0	-3.3	0.0	2.8	-0.1	4.1	0.0	-3.3	0.0
				Viento -Y exc.-	3.0	0.3	-5.1	0.2	-3.7	0.0	3.0	-0.3	4.6	0.2	-3.7	0.0
P112	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.3	0.0	-0.9	0.0	-0.8	0.0	12.8	-0.0	1.1	0.0	-0.8	0.0
				Cargas muertas	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	-0.0	0.3	-0.0	-0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	0.0	0.3	-0.0	-0.2	0.0
				Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	-1.6	-0.3	2.1	0.1	-0.0
				Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	-1.8	-0.9	2.3	0.6	0.0
				Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	1.6	0.3	-2.1	-0.1	0.0
				Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	1.8	0.9	-2.3	-0.6	-0.0
				Viento +Y exc.+	-2.0	0.3	4.9	0.2	3.6	0.0	-2.0	-0.3	-4.5	0.2	3.6	0.0
				Viento +Y exc.-	-1.9	-0.0	4.4	0.0	3.2	-0.0	-1.9	-0.1	-4.0	0.0	3.2	-0.0
				Viento -Y exc.+	2.0	-0.3	-4.9	-0.2	-3.6	0.0	2.0	0.3	4.5	-0.2	-3.6	0.0
				Viento -Y exc.-	1.9	0.0	-4.4	-0.0	-3.2	0.0	1.9	0.1	4.0	-0.0	-3.2	0.0
P113	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.3	0.2	0.6	0.1	0.6	0.0	6.7	-0.1	-1.0	0.1	0.6	0.0
				Cargas muertas	1.9	0.1	0.2	0.0	0.2	0.0	1.9	-0.0	-0.3	0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.4	0.2	0.1	0.1	0.1	0.0	-0.4	-0.1	-0.2	0.1	0.1	0.0
				Viento +X exc.+	-2.0	4.1	0.6	2.3	0.6	-0.0	-2.0	-1.8	-0.9	2.3	0.6	-0.0
				Viento +X exc.-	-2.2	3.7	-0.0	2.1	0.1	0.0	-2.2	-1.7	-0.3	2.1	0.1	0.0
				Viento -X exc.+	2.0	-4.1	-0.6	-2.3	-0.6	0.0	2.0	1.8	0.9	-2.3	-0.6	0.0
				Viento -X exc.-	2.2	-3.7	0.0	-2.1	-0.1	-0.0	2.2	1.7	0.3	-2.1	-0.1	-0.0
				Viento +Y exc.+	1.9	-0.0	4.4	0.0	3.2	0.0	1.9	-0.1	-4.0	0.0	3.2	0.0
				Viento +Y exc.-	2.1	0.2	4.9	0.2	3.6	-0.0	2.1	-0.3	-4.5	0.2	3.6	-0.0
				Viento -Y exc.+	-1.9	0.0	-4.4	-0.0	-3.2	-0.0	-1.9	0.1	4.0	-0.0	-3.2	-0.0
				Viento -Y exc.-	-2.1	-0.2	-4.9	-0.2	-3.6	0.0	-2.1	0.3	4.5	-0.2	-3.6	0.0
P114	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.7	-0.0	-0.8	-0.0	-0.7	0.0	13.2	0.0	1.0	-0.0	-0.7	0.0
				Cargas muertas	4.5	-0.0	-0.3	-0.0	-0.2	0.0	4.5	0.0	0.3	-0.0	-0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.6	0.0	-0.3	0.0	-0.2	0.0	4.6	0.0	0.3	0.0	-0.2	0.0
				Viento +X exc.+	-2.3	3.7	0.0	2.1	-0.1	-0.0	-2.3	-1.6	0.3	2.1	-0.1	-0.0
				Viento +X exc.-	-2.1	4.1	-0.6	2.3	-0.6	0.0	-2.1	-1.8	0.9	2.3	-0.6	0.0
				Viento -X exc.+	2.3	-3.7	-0.0	-2.1	0.1	0.0	2.3	1.6	-0.3	-2.1	0.1	0.0
				Viento -X exc.-	2.1	-4.1	0.6	-2.3	0.6	-0.0	2.1	1.8	-0.9	-2.3	0.6	-0.0
				Viento +Y exc.+	-1.9	0.0	4.4	-0.0	3.2	0.0	-1.9	0.1	-4.0	-0.0	3.2	0.0
				Viento +Y exc.-	-2.1	-0.3	4.9	-0.2	3.6	-0.0	-2.1	0.3	-4.5	-0.2	3.6	-0.0
				Viento -Y exc.+	1.9	-0.0	-4.4	0.0	-3.2	-0.0	1.9	-0.1	4.0	0.0	-3.2	-0.0
				Viento -Y exc.-	2.1	0.3	-4.9	0.2	-3.6	0.0	2.1	-0.3	4.5	0.2	-3.6	0.0
P115	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.2	-0.1	-0.7	-0.0	-0.5	0.0	6.7	0.0	0.7	-0.0	-0.5	0.0
				Cargas muertas	1.9	-0.0	-0.2	-0.0	-0.2	0.0	1.9	0.0	0.2	-0.0	-0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.4	-0.1	-0.2	-0.0	-0.1	0.0	-0.4	0.0	-0.0	-0.0	-0.1	0.0
				Viento +X exc.+	2.3	3.7	-0.0	2.1	0.1	-0.0	2.3	-1.6	-0.3	2.1	0.1	-0.0
				Viento +X exc.-	2.1	4.1	0.6	2.3	0.6	0.0	2.1	-1.8	-0.9	2.3	0.6	0.0
				Viento -X exc.+	-2.3	-3.7	0.0	-2.1	-0.1	0.0	-2.3	1.6	0.3	-2.1	-0.1	0.0
				Viento -X exc.-	-2.1	-4.1	-0.6	-2.3	-0.6	-0.0	-2.1	1.8	0.9	-2.3	-0.6	-0.0
				Viento +Y exc.+	-3.0	0.3	5.1	0.2	3.7	0.0	-3.0	-0.3	-4.6	0.2	3.7	0.0
				Viento +Y exc.-	-2.8	-0.0	4.5	0.0	3.3	-0.0	-2.8	-0.1	-4.1	0.0	3.3	-0.0
				Viento -Y exc.+	3.0	-0.3	-5.1	-0.2	-3.7	-0.0	3.0	0.3	4.6	-0.2	-3.7	-0.0
				Viento -Y exc.-	2.8	0.0	-4.5	-0.0	-3.3	0.0	2.8	0.1	4.1	-0.0	-3.3	0.0
P116	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	7.6	0.2	0.7	0.1	0.6	0.0	7.1	-0.1	-1.0	0.1	0.6	0.0
				Cargas muertas	2.1	0.1	0.2	0.0	0.2	0.0	2.1	-0.0	-0.3	0.0	0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.0	0.2	0.1	0.1	0.1	0.0	-0.0	-0.1	-0.2	0.1	0.1	0.0
				Viento +X exc.+	-2.2	4.1	0.6	2.4	0.6	-0.0	-2.2	-2.1	-0.9	2.4	0.6	-0.0
				Viento +X exc.-	-2.4	3.7	-0.0	2.2	0.1	0.0	-2.4	-1.9	-0.3	2.2	0.1	0.0
				Viento -X exc.+	2.2	-4.1	-0.6	-2.4	-0.6	0.0	2.2	2.1	0.9	-2.4	-0.6	0.0
				Viento -X exc.-	2.4	-3.7	0.0	-2.2	-0.1	-0.0	2.4	1.9	0.3	-2.2	-0.1	-0.0
				Viento +Y exc.+	1.8	-0.0	4.4	0.1	3.2	0.0	1.8	-0.2	-4.0	0.1	3.2	0.0
				Viento +Y exc.-	2.1	0.3	4.9	0.2	3.6	0.0	2.1	-0.3	-4.5	0.2	3.6	0.0
				Viento -Y exc.+	-1.8	0.0	-4.4	-0.1	-3.2	-0.0	-1.8	0.2	4.0	-0.1	-3.2	-0.0
				Viento -Y exc.-	-2.1	-0.3	-4.9	-0.2	-3.6	0.0	-2.1	0.3	4.5	-0.2	-3.6	0.0
P117	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Peso propio	13.5	-0.0	-0.9	-0.0	-0.8	0.0	13.0	-0.0	1.0	-0.0	-0.8	0.0
				Cargas muertas	4.4	-0.0	-0.3	0.0	-0.2	0.0	4.4	-0.0	0.3	0.0	-0.2	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	4.3	0.0	-0.3	0.0	-0.2	0.0	4.3	-0.0	0.3	0.0	-0.2	0.0
				Viento +X exc.+	-2.3	3.7	0.0	2.2	-0.1	-0.0	-2.3	-1.9	0.3	2.2	-0.1	-0.0
				Viento +X exc.-	-2.1	4.1	-0.6	2.4	-0.6	0.0	-2.1	-2.1	0.9	2.4	-0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P118	Casetón ascensor +35.07	HE 100 B	32.20/34.81	Viento -X exc.+	2.3	-3.7	-0.0	-2.2	0.1	0.0	2.3	1.9	-0.3	-2.2	0.1	0.0
				Viento -X exc.-	2.1	-4.1	0.6	-2.4	0.6	-0.0	2.1	2.1	-0.9	-2.4	0.6	-0.0
				Viento +Y exc.+	-1.8	0.0	4.4	-0.1	3.2	0.0	-1.8	0.2	-4.0	-0.1	3.2	0.0
				Viento +Y exc.-	-2.1	-0.3	4.9	-0.2	3.6	0.0	-2.1	0.3	-4.5	-0.2	3.6	0.0
				Viento -Y exc.+	1.8	-0.0	-4.4	0.1	-3.2	-0.0	1.8	-0.2	4.0	0.1	-3.2	-0.0
				Viento -Y exc.-	2.1	0.3	-4.9	0.2	-3.6	0.0	2.1	-0.3	4.5	0.2	-3.6	0.0
				Peso propio	7.5	-0.1	-0.6	-0.0	-0.5	0.0	6.9	0.0	0.6	-0.0	-0.5	0.0
				Cargas muertas	2.1	-0.1	-0.2	-0.0	-0.1	0.0	2.1	0.0	0.2	-0.0	-0.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	-0.1	0.0	-0.0	-0.0	-0.0	0.0
				Viento +X exc.+	2.3	3.5	-0.0	1.9	0.1	-0.0	2.3	-1.6	-0.3	1.9	0.1	-0.0
				Viento +X exc.-	2.1	3.8	0.6	2.1	0.6	0.0	2.1	-1.7	-0.9	2.1	0.6	0.0
P119	Casetón ascensor +35.07	HE 200 B	32.20/34.73	Viento -X exc.+	-2.3	-3.5	0.0	-1.9	-0.1	0.0	-2.3	1.6	0.3	-1.9	-0.1	0.0
				Viento -X exc.-	-2.1	-3.8	-0.6	-2.1	-0.6	-0.0	-2.1	1.7	0.9	-2.1	-0.6	-0.0
				Viento +Y exc.+	-3.0	0.2	5.1	0.2	3.7	0.0	-3.0	-0.3	-4.6	0.2	3.7	0.0
				Viento +Y exc.-	-2.8	-0.0	4.5	0.0	3.3	0.0	-2.8	-0.1	-4.1	0.0	3.3	0.0
				Viento -Y exc.+	3.0	-0.2	-5.1	-0.2	-3.7	-0.0	3.0	0.3	4.6	-0.2	-3.7	-0.0
				Viento -Y exc.-	2.8	0.0	-4.5	-0.0	-3.3	0.0	2.8	0.1	-4.1	-0.0	-3.3	0.0
				Peso propio	36.8	-3.1	3.4	-5.5	6.2	0.0	35.2	10.9	-12.2	-5.5	6.2	0.0
				Cargas muertas	11.2	-1.0	0.5	-1.8	1.7	0.0	11.2	3.5	-3.9	-1.8	1.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	6.6	1.6	-1.5	0.3	0.7	0.0	6.6	0.8	-3.2	0.3	0.7	0.0
				Viento +X exc.+	-0.7	2.8	0.0	2.0	0.0	0.0	-0.7	-2.2	0.0	2.0	0.0	0.0
				Viento +X exc.-	-0.8	2.8	-0.3	2.0	-0.2	0.0	-0.8	-2.2	0.2	2.0	-0.2	0.0
P121	P. cubierta +32.30	40x40	28.60/31.85	Viento -X exc.+	0.7	-2.8	-0.0	-2.0	-0.0	0.0	0.7	2.2	0.0	-2.0	-0.0	0.0
				Viento -X exc.-	0.8	-2.8	0.3	-2.0	0.2	0.0	0.8	2.2	-0.2	-2.0	0.2	0.0
				Viento +Y exc.+	8.7	-0.5	15.8	-0.4	12.0	0.0	8.7	0.5	-14.5	-0.4	12.0	0.0
				Viento +Y exc.-	10.2	0.1	20.4	0.0	15.0	-0.0	10.2	0.0	-17.5	0.0	15.0	-0.0
				Viento -Y exc.+	-8.7	0.5	-15.8	0.4	-12.0	-0.0	-8.7	-0.5	14.5	0.4	-12.0	-0.0
				Viento -Y exc.-	-10.2	-0.1	-20.4	-0.0	-15.0	0.0	-10.2	-0.0	17.5	-0.0	-15.0	0.0
				Peso propio	347.6	-57.4	5.2	-29.9	4.2	0.0	334.8	39.9	-8.3	-29.9	4.2	0.0
				Cargas muertas	115.6	-63.6	22.5	-30.7	17.6	0.0	115.6	36.1	-34.9	-30.7	17.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	193.6	-31.9	-0.3	-16.4	-0.6	0.0	193.6	21.5	1.6	-16.4	-0.6	0.0
				Viento +X exc.+	-19.2	3.7	2.0	2.3	1.1	-0.0	-19.2	-3.8	-1.7	2.3	1.1	-0.0
				Viento +X exc.-	-19.4	3.7	1.8	2.3	1.1	0.0	-19.4	-3.8	-1.6	2.3	1.1	0.0
	P. séptima +28.70	45x45	25.00/28.15	Viento -X exc.+	19.2	-3.7	-2.0	-2.3	-1.1	0.0	19.2	3.8	1.7	-2.3	-1.1	0.0
				Viento -X exc.-	19.4	-3.7	-1.8	-2.3	-1.1	0.0	19.4	3.8	1.6	-2.3	-1.1	0.0
				Viento +Y exc.+	-9.6	2.0	12.1	1.1	7.7	0.0	-9.6	-1.8	-13.0	1.1	7.7	0.0
				Viento +Y exc.-	-5.5	1.5	14.2	0.8	9.2	-0.0	-5.5	-1.2	-15.7	0.8	9.2	-0.0
				Viento -Y exc.+	9.6	-2.0	-12.1	-1.1	-7.7	-0.0	9.6	1.8	13.0	-1.1	-7.7	-0.0
				Viento -Y exc.-	5.5	-1.5	-14.2	-0.8	-9.2	0.0	5.5	1.2	15.7	-0.8	-9.2	0.0
				Peso propio	358.3	-63.2	-10.8	-40.6	-7.2	-0.0	342.6	64.7	11.8	-40.6	-7.2	-0.0
				Cargas muertas	194.0	-96.6	-29.4	-63.0	-22.4	0.0	194.0	101.8	41.2	-63.0	-22.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	196.4	-37.7	1.0	-24.3	1.3	-0.0	196.4	39.0	-3.1	-24.3	1.3	-0.0
				Viento +X exc.+	-15.5	7.2	1.5	5.4	0.9	-0.0	-15.5	-9.9	-1.3	5.4	0.9	-0.0
				Viento +X exc.-	-15.7	7.2	1.4	5.5	0.8	0.0	-15.7	-10.0	-1.1	5.5	0.8	0.0
P. sexta +25.10	45x45	21.40/24.55	17.80/20.95	Viento -X exc.+	15.5	-7.2	-1.5	-5.4	-0.9	0.0	15.5	9.9	1.3	-5.4	-0.9	0.0
				Viento -X exc.-	15.7	-7.2	-1.4	-5.5	-0.8	0.0	15.7	10.0	1.1	-5.5	-0.8	0.0
				Viento +Y exc.+	-12.1	2.5	12.7	1.9	8.4	0.0	-12.1	-3.6	-13.6	1.9	8.4	0.0
				Viento +Y exc.-	-9.6	1.1	15.0	0.9	10.2	-0.0	-9.6	-1.6	-17.0	0.9	10.2	-0.0
				Viento -Y exc.+	12.1	-2.5	-12.7	-1.9	-8.4	-0.0	12.1	3.6	13.6	-1.9	-8.4	-0.0
				Viento -Y exc.-	9.6	-1.1	-15.0	-0.9	-10.2	0.0	9.6	1.6	17.0	-0.9	-10.2	0.0
				Peso propio	369.2	-50.7	-2.9	-33.8	-3.1	0.0	353.5	55.8	6.7	-33.8	-3.1	0.0
				Cargas muertas	271.7	-76.0	-8.8	-50.5	-6.5	0.0	271.7	83.0	11.7	-50.5	-6.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	198.1	-30.5	2.2	-20.2	0.6	0.0	198.1	33.3	0.4	-20.2	0.6	0.0
				Viento +X exc.+	-7.6	12.6	1.9	8.7	1.3	-0.0	-7.6	-14.9	-2.0	8.7	1.3	-0.0
				Viento +X exc.-	-7.6	12.7	1.8	8.8	1.1	0.0	-7.6	-15.1	-1.8	8.8	1.1	0.0
P. quinta +21.50	50x50	17.80/20.95	17.80/20.95	Viento -X exc.+	7.6	-12.6	-1.9	-8.7	-1.3	0.0	7.6	14.9	2.0	-8.7	-1.3	0.0
				Viento -X exc.-	7.6	-12.7	-1.8	-8.8	-1.1	0.0	7.6	15.1	1.8	-8.8	-1.1	0.0
				Viento +Y exc.+	-13.0	4.7	12.5	3.4	8.4	0.1	-13.0	-6.0	-13.8	3.4	8.4	0.1
				Viento +Y exc.-	-13.4	2.2	15.3	1.6	10.5	-0.0	-13.4	-2.9	-17.7	1.6	10.5	-0.0
				Viento -Y exc.+	13.0	-4.7	-12.5	-3.4	-8.4	-0.1	13.0	6.0	13.8	-3.4	-8.4	-0.1
				Viento -Y exc.-	13.4	-2.2	-15.3	-1.6	-10.5	0.0	13.4	2.9	17.7	-1.6	-10.5	0.0
				Peso propio	379.0	-103.1	-17.1	-59.2	-7.6	0.0	359.7	83.3	6.8	-59.2	-7.6	0.0
				Cargas muertas	343.0	-140.3	-37.3	-82.4	-18.8	0.0	343.0	119.3	21.8	-82.4	-18.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	197.5	-57.2	-4.3	-33.5	-0.8	0.0	197.5	48.2	-1.8	-33.5	-0.8	0.0
				Viento +X exc.+	4.0	8.1	1.1	8.6	1.1	-0.0	4.0	-18.9	-2.2	8.6	1.1	-0.0
				Viento +X exc.-	4.3	8.2	1.0	8.7	1.0	0.0	4.3	-19.1	-2.0	8.7	1.0	0.0
				Viento -X exc.+	-4.0	-8.1	-1.1	-8.6	-1.1	0.0	-4.0	18.9	2.2	-8.6	-1.1	0.0
				Viento -X exc.-	-4.3	-8.2	-1.0	-8.7	-1.0	0.0	-4.3	19.1	2.0	-8.7	-1.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	P. cuarta +17.90	50x50	14.20/17.35	Viento +Y exc.+	-12.2	6.5	9.7	4.7	7.9	0.2	-12.2	-8.3	-15.3	4.7	7.9	0.2
				Viento +Y exc.-	-16.4	4.8	11.4	2.9	9.8	0.0	-16.4	-4.4	-19.5	2.9	9.8	0.0
				Viento -Y exc.+	12.2	-6.5	-9.7	-4.7	-7.9	-0.2	12.2	8.3	15.3	-4.7	-7.9	-0.2
				Viento -Y exc.-	16.4	-4.8	-11.4	-2.9	-9.8	-0.0	16.4	4.4	19.5	-2.9	-9.8	-0.0
				Peso propio	390.2	73.5	34.2	12.6	10.9	0.0	370.9	33.7	-0.1	12.6	10.9	0.0
				Cargas muertas	416.9	59.2	56.2	-0.5	16.6	0.0	416.9	60.8	4.1	-0.5	16.6	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	197.5	29.1	23.8	2.0	9.0	0.0	197.5	22.8	-4.4	2.0	9.0	0.0
				Viento +X exc.+	21.9	62.8	6.6	30.6	3.2	-0.0	21.9	-33.5	-3.6	30.6	3.2	-0.0
				Viento +X exc.-	22.4	63.6	6.0	30.9	2.9	0.0	22.4	-33.9	-3.2	30.9	2.9	0.0
				Viento -X exc.+	-21.9	-62.8	-6.6	-30.6	-3.2	0.0	-21.9	33.5	3.6	-30.6	-3.2	0.0
				Viento -X exc.-	-22.4	-63.6	-6.0	-30.9	-2.9	0.0	-22.4	33.9	3.2	-30.9	-2.9	0.0
				Viento +Y exc.+	-10.0	12.5	35.4	7.0	17.0	0.2	-10.0	-9.7	-18.2	7.0	17.0	0.2
				Viento +Y exc.-	-19.4	-1.3	45.4	0.6	21.9	0.0	-19.4	-3.2	-23.7	0.6	21.9	0.0
				Viento -Y exc.+	10.0	-12.5	-35.4	-7.0	-17.0	-0.2	10.0	9.7	18.2	-7.0	-17.0	-0.2
				Viento -Y exc.-	19.4	1.3	-45.4	-0.6	-21.9	-0.0	19.4	3.2	23.7	-0.6	-21.9	-0.0
P122	P. cubierta +32.30	40x40	28.60/31.85	Peso propio	336.2	55.2	10.0	29.2	6.3	0.0	323.4	-39.6	-10.3	29.2	6.3	0.0
				Cargas muertas	105.9	62.9	22.6	30.5	18.1	0.0	105.9	-36.2	-36.2	30.5	18.1	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	185.1	30.9	1.2	16.2	0.2	0.0	185.1	-21.8	0.7	16.2	0.2	0.0
				Viento +X exc.+	17.4	3.6	-1.1	2.3	-0.7	-0.0	17.4	-3.8	1.1	2.3	-0.7	-0.0
				Viento +X exc.-	17.7	3.7	-1.3	2.3	-0.8	0.0	17.7	-3.9	1.2	2.3	-0.8	0.0
				Viento -X exc.+	-17.4	-3.6	1.1	-2.3	0.7	0.0	-17.4	3.8	-1.1	-2.3	0.7	0.0
				Viento -X exc.-	-17.7	-3.7	1.3	-2.3	0.8	0.0	-17.7	3.9	-1.2	-2.3	0.8	0.0
				Viento +Y exc.+	0.5	-2.0	11.2	-1.0	7.3	0.0	0.5	1.2	-12.6	-1.0	7.3	0.0
				Viento +Y exc.-	-4.9	-3.3	13.3	-1.8	8.6	-0.0	-4.9	2.5	-14.7	-1.8	8.6	-0.0
	P. séptima +28.70	45x45	25.00/28.25	Viento -Y exc.+	-0.5	2.0	-11.2	1.0	-7.3	-0.0	-0.5	-1.2	12.6	1.0	-7.3	-0.0
				Viento -Y exc.-	4.9	3.3	-13.3	1.8	-8.6	0.0	4.9	-2.5	14.7	1.8	-8.6	0.0
				Peso propio	354.4	54.6	-1.9	33.8	-1.3	-0.0	338.3	-55.3	2.2	33.8	-1.3	-0.0
				Cargas muertas	190.3	89.4	-29.0	56.5	-21.7	0.0	190.3	-94.2	41.6	56.5	-21.7	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	190.7	31.4	2.5	19.5	2.2	-0.0	190.7	-31.8	-4.6	19.5	2.2	-0.0
				Viento +X exc.+	14.0	6.1	-0.3	4.6	-0.1	-0.0	14.0	-8.7	0.1	4.6	-0.1	-0.0
				Viento +X exc.-	14.2	6.2	-0.5	4.6	-0.2	0.0	14.2	-8.9	0.2	4.6	-0.2	0.0
				Viento -X exc.+	-14.0	-6.1	0.3	-4.6	0.1	0.0	-14.0	8.7	-0.1	-4.6	0.1	0.0
				Viento -X exc.-	-14.2	-6.2	0.5	-4.6	0.2	0.0	-14.2	8.9	-0.2	-4.6	0.2	0.0
	P. sexta +25.10	45x45	21.40/24.65	Viento +Y exc.+	-2.0	-1.3	11.4	-0.5	8.0	0.0	-2.0	0.3	-14.5	-0.5	8.0	0.0
				Viento +Y exc.-	-6.7	-3.2	13.4	-1.9	9.2	-0.0	-6.7	2.8	-16.4	-1.9	9.2	-0.0
				Viento -Y exc.+	2.0	1.3	-11.4	0.5	-8.0	-0.0	2.0	-0.3	14.5	0.5	-8.0	-0.0
				Viento -Y exc.-	6.7	3.2	-13.4	1.9	-9.2	0.0	6.7	-2.8	16.4	1.9	-9.2	0.0
				Peso propio	373.7	44.9	4.4	29.1	1.7	0.0	357.5	-49.8	-1.1	29.1	1.7	0.0
				Cargas muertas	275.4	71.2	-8.4	45.8	-6.0	0.0	275.4	-77.8	11.1	45.8	-6.0	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	196.0	26.1	3.7	16.9	1.6	0.0	196.0	-28.7	-1.4	16.9	1.6	0.0
				Viento +X exc.+	7.0	11.0	-0.6	7.5	-0.4	-0.0	7.0	-13.3	0.6	7.5	-0.4	-0.0
				Viento +X exc.-	7.2	11.1	-0.7	7.6	-0.4	0.0	7.2	-13.5	0.7	7.6	-0.4	0.0
	P. quinta +21.50	50x50	17.80/21.05	Viento -X exc.+	-7.0	-11.0	0.6	-7.5	0.4	0.0	-7.0	13.3	-0.6	-7.5	0.4	0.0
				Viento -X exc.-	-7.2	-11.1	0.7	-7.6	0.4	0.0	-7.2	13.5	-0.7	-7.6	0.4	0.0
				Viento +Y exc.+	-6.4	1.3	13.2	1.1	9.1	0.1	-6.4	-2.2	-16.4	1.1	9.1	0.1
				Viento +Y exc.-	-9.6	-1.5	15.0	-0.8	10.2	-0.0	-9.6	1.2	-18.2	-0.8	10.2	-0.0
				Viento -Y exc.+	6.4	-1.3	-13.2	-1.1	-9.1	-0.1	6.4	2.2	16.4	-1.1	-9.1	-0.1
				Viento -Y exc.-	9.6	1.5	-15.0	0.8	-10.2	0.0	9.6	-1.2	18.2	0.8	-10.2	0.0
				Peso propio	393.1	93.4	-6.9	51.9	-1.2	0.0	373.1	-75.3	-3.1	51.9	-1.2	0.0
				Cargas muertas	355.8	131.7	-35.9	75.1	-17.5	0.0	355.8	-112.5	21.1	75.1	-17.5	0.0
				H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	199.5	49.8	-2.0	28.2	0.6	0.0	199.5	-41.9	-3.9	28.2	0.6	0.0
	P. cuarta +17.90	50x50	14.20/17.45	Viento +X exc.+	-2.9	5.5	0.3	6.7	0.0	-0.0	-2.9	-16.1	0.2	6.7	0.0	-0.0
				Viento +X exc.-	-2.8	5.6	0.2	6.8	-0.0	0.0	-2.8	-16.4	0.3	6.8	-0.0	0.0
				Viento -X exc.+	2.9	-5.5	-0.3	-6.7	-0.0	0.0	2.9	16.1	-0.2	-6.7	-0.0	0.0
				Viento -X exc.-	2.8	-5.6	-0.2	-6.8	0.0	-0.0	2.8	16.4	-0.3	-6.8	0.0	-0.0
				Viento +Y exc.+	-12.2	-1.0	8.9	0.4	8.2	0.2	-12.2	-2.4	-17.7	0.4	8.2	0.2
				Viento +Y exc.-	-13.2	-3.5	10.3	-1.7	9.2	0.0	-13.2	2.0	-19.7	-1.7	9.2	0.0
				Viento -Y exc.+	12.2	1.0	-8.9	-0.4	-8.2	-0.2	12.2	2.4	17.7	-0.4	-8.2	-0.2
				Viento -Y exc.-	13.2	3.5	-10.3	1.7	-9.2	-0.0	13.2	-2.0	19.7	1.7	-9.2	-0.0
				Peso propio	412.2	-74.3	38.4	-15.3	14.4	0.0	392.3	-24.6	-8.3	-15.3	14.4	0.0
				Cargas muertas	437.2	-61.0	55.9	-2.8	16.5	0.0	437.2	-51.9	2.3	-2.8	16.5	0.0
				H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
				Sobrecarga de uso	203.1	-29.5	23.9	-3.9	9.3	0.0	203.1	-16.9	-6.4	-3.9	9.3	0.0
				Viento +X exc.+	-18.0	60.9	-3.3	28.5	-1.3	-0.0	-18.0	-31.6	0.9	28.5	-1.3	-0.0
				Viento +X exc.-	-18.1	61.6	-3.6	28.8	-1.4	0.0	-18.1	-32.0	1.0	28.8	-1.4	0.0
				Viento -X exc.+	18.0	-60.9	3.3	-28.5	1.3	0.0	18.0	31.6	-0.9	-28.5	1.3	0.0
				Viento -X exc.-	18.1	-61.6	3.6	-28.8	1.4	0.0	18.1	32.0	-1.0	-28.8	1.4	0.0
				Viento +Y exc.+	-20.1	18.5	43.5	8.0	20.7	0.2	-20.1	-7.6	-23.7	8.0	20.7	0.2
				Viento +Y exc.-	-18.0	6.4	48.7	2.3	23.0	0.0	-18.0	-1.2	-26.2	2.3	23.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P123	Placa solares +35.30	HE 140 A	34.97/35.11	Viento -Y exc.+	20.1	-18.5	-43.5	-8.0	-20.7	-0.2	20.1	7.6	23.7	-8.0	-20.7	-0.2
				Viento -Y exc.-	18.0	-6.4	-48.7	-2.3	-23.0	-0.0	18.0	1.2	26.2	-2.3	-23.0	-0.0
				Peso propio	2.4	0.0	-1.8	-0.0	0.7	0.0	2.4	0.0	-1.8	-0.0	0.7	0.0
				Cargas muertas	7.4	0.1	-5.2	-0.1	2.7	0.0	7.4	0.1	-5.6	-0.1	2.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	14.4	0.2	-10.1	-0.1	5.2	0.0	14.4	0.2	-10.8	-0.1	5.2	0.0
				Viento +X exc.+	-0.0	0.0	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	-0.0	0.0
				Viento +X exc.-	-0.0	0.0	0.0	0.1	-0.0	-0.0	-0.0	0.0	0.0	0.1	-0.0	-0.0
				Viento -X exc.+	0.0	-0.0	-0.0	-0.1	0.0	-0.0	0.0	-0.0	-0.0	-0.1	0.0	-0.0
				Viento -X exc.-	0.0	-0.0	-0.0	-0.1	0.0	0.0	0.0	-0.0	-0.0	-0.1	0.0	0.0
				Viento +Y exc.+	0.4	-0.0	-1.3	-0.0	0.5	-0.0	0.4	0.0	-1.4	-0.0	0.5	-0.0
				Viento +Y exc.-	0.5	0.0	-1.6	-0.0	0.9	0.0	0.5	0.0	-1.8	-0.0	0.9	0.0
				Viento -Y exc.+	-0.4	0.0	1.3	0.0	-0.5	0.0	-0.4	0.0	1.4	0.0	-0.5	0.0
				Viento -Y exc.-	-0.5	0.0	1.6	0.0	-0.9	-0.0	-0.5	0.0	1.8	0.0	-0.9	-0.0
	Casetón ascensor +35.07	HE 140 A	32.20/34.97	Peso propio	3.1	0.0	0.1	-0.0	0.7	0.0	2.4	0.0	-1.8	-0.0	0.7	0.0
				Cargas muertas	7.4	-0.1	2.2	-0.1	2.7	0.0	7.4	0.1	-5.2	-0.1	2.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	14.4	-0.1	4.2	-0.1	5.2	0.0	14.4	0.2	-10.1	-0.1	5.2	0.0
				Viento +X exc.+	-0.0	1.0	-0.0	0.3	-0.0	0.0	-0.0	0.0	0.0	0.3	-0.0	0.0
				Viento +X exc.-	-0.0	1.0	-0.0	0.3	-0.0	0.0	-0.0	0.0	0.0	0.3	-0.0	0.0
				Viento -X exc.+	0.0	-1.0	0.0	-0.3	0.0	0.0	0.0	-0.0	-0.0	-0.3	0.0	0.0
				Viento -X exc.-	0.0	-1.0	0.0	-0.3	0.0	0.0	0.0	-0.0	-0.0	-0.3	0.0	0.0
				Viento +Y exc.+	0.4	-0.0	2.7	-0.0	1.4	0.0	0.4	-0.0	-1.3	-0.0	1.4	0.0
				Viento +Y exc.-	0.5	-0.0	3.5	-0.0	1.9	0.0	0.5	0.0	-1.6	-0.0	1.9	0.0
P124	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.2	-0.0	-3.2	-0.0	1.3	0.0	4.1	-0.0	-3.4	-0.0	1.3	0.0
				Cargas muertas	14.2	-0.0	-11.4	-0.1	5.8	0.0	14.2	-0.0	-12.3	-0.1	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.7	-0.0	-23.1	-0.1	11.7	0.0	28.7	-0.0	-25.0	-0.1	11.7	0.0
				Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	-0.0	-0.4	0.0	-0.0	0.0	-0.1	-0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	0.0	-0.8	-0.0	1.1	-0.0	0.3	0.0	-1.0	-0.0	1.1	-0.0
				Viento +Y exc.-	0.4	0.0	-1.0	0.0	1.7	0.0	0.4	0.0	-1.3	0.0	1.7	0.0
				Viento -Y exc.+	-0.3	0.0	0.8	0.0	-1.1	0.0	-0.3	0.0	1.0	0.0	-1.1	0.0
				Viento -Y exc.-	-0.4	-0.0	1.0	-0.0	-1.7	-0.0	-0.4	-0.0	1.3	-0.0	-1.7	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	-0.1	0.5	-0.0	1.3	0.0	4.2	-0.0	-3.2	-0.0	1.3	0.0
				Cargas muertas	14.2	-0.2	4.7	-0.1	5.8	0.0	14.2	-0.0	-11.4	-0.1	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.7	-0.3	9.3	-0.1	11.7	0.0	28.7	-0.0	-23.1	-0.1	11.7	0.0
				Viento +X exc.+	-0.0	2.3	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	-0.0	2.3	-0.1	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.3	0.0	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.3	0.1	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	5.5	-0.0	2.3	0.0	0.3	0.0	-0.8	-0.0	2.3	0.0
				Viento +Y exc.-	0.4	0.0	6.9	0.0	2.9	0.0	0.4	0.0	-1.0	0.0	2.9	0.0
P125	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.1	1.1	0.0	4.1	0.0	-3.4	0.1	1.1	0.0
				Cargas muertas	14.1	0.0	-11.2	0.0	5.6	0.0	14.1	0.0	-12.1	0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.0	-22.6	-0.0	11.3	0.0	28.4	-0.0	-24.4	-0.0	11.3	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	-0.9	-0.0	1.0	-0.0	0.3	-0.0	-1.1	-0.0	1.0	-0.0
				Viento +Y exc.-	0.4	-0.0	-1.0	-0.0	1.5	0.0	0.4	-0.0	-1.3	-0.0	1.5	0.0
				Viento -Y exc.+	-0.3	0.0	0.9	0.0	-1.0	0.0	-0.3	0.0	1.1	0.0	-1.0	0.0
				Viento -Y exc.-	-0.4	0.0	1.0	0.0	-1.5	-0.0	-0.4	0.0	1.3	0.0	-1.5	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	0.4	-0.0	0.1	1.1	0.0	4.1	0.0	-3.2	0.1	1.1	0.0
				Cargas muertas	14.1	0.0	4.5	0.0	5.6	0.0	14.1	0.0	-11.2	0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.1	8.7	-0.0	11.3	0.0	28.4	-0.0	-22.6	-0.0	11.3	0.0
				Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	-0.1	5.3	-0.0	2.2	0.0	0.3	-0.0	-0.9	-0.0	2.2	0.0
				Viento +Y exc.-	0.4	-0.1	6.3	-0.0	2.7	0.0	0.4	-0.0	-1.0	-0.0	2.7	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P126	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.2	0.0	-3.3	0.0	0.9	0.0	4.1	0.0	-3.5	0.0	0.9	0.0
				Cargas muertas	14.1	-0.0	-11.2	-0.0	5.6	0.0	14.1	-0.0	-12.1	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	-0.0	-24.5	-0.1	11.3	0.0
				Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	-0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	-0.8	-0.0	0.9	-0.0	0.3	0.0	-0.9	-0.0	0.9	-0.0
				Viento +Y exc.-	0.3	0.0	-0.8	0.0	1.2	0.0	0.3	0.0	-1.0	0.0	1.2	0.0
				Viento -Y exc.+	-0.3	0.0	0.8	0.0	-0.9	0.0	-0.3	0.0	0.9	0.0	-0.9	0.0
				Viento -Y exc.-	-0.3	0.0	0.8	0.0	-1.2	-0.0	-0.3	0.0	1.0	0.0	-1.2	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	0.0	-0.7	0.0	0.9	0.0	4.2	0.0	-3.3	0.0	0.9	0.0
				Cargas muertas	14.1	-0.1	4.2	-0.0	5.6	0.0	14.1	-0.0	-11.2	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.3	8.6	-0.1	11.3	0.0	28.5	-0.0	-22.7	-0.1	11.3	0.0
				Viento +X exc.+	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	-0.0	2.2	-0.1	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.2	0.1	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	5.1	-0.0	2.1	0.0	0.3	-0.0	-0.8	-0.0	2.1	0.0
				Viento +Y exc.-	0.3	0.0	5.9	0.0	2.4	0.0	0.3	0.0	-0.8	0.0	2.4	0.0
				Viento -Y exc.+	-0.3	0.0	-5.1	0.0	-2.1	0.0	-0.3	0.0	0.8	0.0	-2.1	0.0
				Viento -Y exc.-	-0.3	0.0	-5.9	0.0	-2.4	0.0	-0.3	0.0	0.8	0.0	-2.4	0.0
P127	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.2	0.0	-3.3	0.0	0.9	0.0	4.1	0.0	-3.5	0.0	0.9	0.0
				Cargas muertas	14.2	-0.0	-11.2	-0.0	5.6	0.0	14.2	-0.0	-12.1	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	-0.0	-24.5	-0.1	11.3	0.0
				Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	-0.0	-0.4	0.0	-0.0	0.0	-0.1	-0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	-0.8	-0.0	1.0	-0.0	0.3	0.0	-0.9	-0.0	1.0	-0.0
				Viento +Y exc.-	0.3	0.0	-0.8	0.0	1.2	0.0	0.3	0.0	-1.0	0.0	1.2	0.0
				Viento -Y exc.+	-0.3	0.0	0.8	0.0	-1.0	0.0	-0.3	0.0	0.9	0.0	-1.0	0.0
				Viento -Y exc.-	-0.3	-0.0	0.8	-0.0	-1.2	-0.0	-0.3	-0.0	1.0	-0.0	-1.2	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	0.0	-0.8	0.0	0.9	0.0	4.2	0.0	-3.3	0.0	0.9	0.0
				Cargas muertas	14.2	-0.1	4.2	-0.0	5.6	0.0	14.2	-0.0	-11.2	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.3	8.5	-0.1	11.3	0.0	28.5	-0.0	-22.7	-0.1	11.3	0.0
				Viento +X exc.+	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	-0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	5.3	-0.0	2.2	0.0	0.3	-0.0	-0.8	-0.0	2.2	0.0
				Viento +Y exc.-	0.3	0.0	5.9	0.0	2.4	0.0	0.3	0.0	-0.8	0.0	2.4	0.0
				Viento -Y exc.+	-0.3	0.0	-5.3	0.0	-2.2	0.0	-0.3	0.0	0.8	0.0	-2.2	0.0
				Viento -Y exc.-	-0.3	-0.0	-5.9	-0.0	-2.4	0.0	-0.3	-0.0	0.8	-0.0	-2.4	0.0
P128	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.1	-0.1	-3.2	-0.3	1.0	0.0	4.1	-0.0	-3.4	-0.3	1.0	0.0
				Cargas muertas	14.1	-0.1	-11.2	-0.2	5.6	0.0	14.1	-0.0	-12.1	-0.2	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.1	-22.6	-0.3	11.2	0.0	28.4	-0.0	-24.4	-0.3	11.2	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	-0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	0.0	-0.9	0.0	1.1	-0.0	0.3	0.0	-1.1	0.0	1.1	-0.0
				Viento +Y exc.-	0.4	0.0	-1.0	0.0	1.3	0.0	0.4	0.0	-1.2	0.0	1.3	0.0
				Viento -Y exc.+	-0.3	-0.0	0.9	-0.0	-1.1	0.0	-0.3	-0.0	1.1	-0.0	-1.1	0.0
				Viento -Y exc.-	-0.4	-0.0	1.0	-0.0	-1.3	-0.0	-0.4	-0.0	1.2	-0.0	-1.3	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	-1.0	-0.6	-0.3	1.0	0.0	4.1	-0.1	-3.2	-0.3	1.0	0.0
				Cargas muertas	14.1	-0.5	4.3	-0.2	5.6	0.0	14.1	-0.1	-11.2	-0.2	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.8	8.5	-0.3	11.2	0.0	28.4	-0.1	-22.6	-0.3	11.2	0.0
				Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	0.1	5.5	0.0	2.3	0.0	0.3	0.0	-0.9	0.0	2.3	0.0
				Viento +Y exc.-	0.4	0.1	5.8	0.0	2.5	0.0	0.4	0.0	-1.0	0.0	2.5	0.0
				Viento -Y exc.+	-0.3	-0.1	-5.5	-0.0	-2.3	0.0	-0.3	-0.0	0.9	-0.0	-2.3	0.0
				Viento -Y exc.-	-0.4	-0.1	-5.8	-0.0	-2.5	0.0	-0.4	-0.0	1.0	-0.0	-2.5	0.0
P129	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.0	1.0	0.0	4.1	0.0	-3.4	0.0	1.0	0.0
				Cargas muertas	14.1	-0.0	-11.2	-0.0	5.6	0.0	14.1	-0.0	-12.1	-0.0	5.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.0	-22.6	-0.0	11.3	0.0	28.4	-0.0	-24.4	-0.0	11.3	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	0.0	0.4	-0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.4	-0.0	-0.0	0.0	0.1	0.0	0.4	-0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.4	0.0	0.0	0.0	-0.1	-0.0	-0.4	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	-0.9	-0.0	1.2	-0.0	0.3	-0.0	-1.1	-0.0	1.2	-0.0
				Viento +Y exc.-	0.4	0.0	-0.9	0.0	1.3	0.0	0.4	0.0	-1.1	0.0	1.3	0.0
				Viento -Y exc.+	-0.3	0.0	0.9	0.0	-1.2	0.0	-0.3	0.0	1.1	0.0	-1.2	0.0
				Viento -Y exc.-	-0.4	0.0	0.9	0.0	-1.3	-0.0	-0.4	0.0	1.1	0.0	-1.3	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	0.0	-0.4	0.0	1.0	0.0	4.1	0.0	-3.2	0.0	1.0	0.0
				Cargas muertas	14.1	-0.1	4.4	-0.0	5.6	0.0	14.1	-0.0	-11.2	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.1	8.7	-0.0	11.3	0.0	28.4	-0.0	-22.6	-0.0	11.3	0.0
				Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	0.1	0.0	0.8	-0.0	0.0
				Viento +X exc.-	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	0.1	0.0	0.8	-0.0	0.0
				Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-0.1	0.0	-0.8	0.0	0.0
				Viento +Y exc.+	0.3	-0.0	5.7	-0.0	2.4	0.0	0.3	-0.0	-0.9	-0.0	2.4	0.0
				Viento +Y exc.-	0.4	-0.0	5.9	0.0	2.5	0.0	0.4	0.0	-0.9	0.0	2.5	0.0
P130	Placa solares +35.30	HE 180 A	34.97/35.13	Viento -Y exc.+	-0.3	0.0	-5.7	0.0	-2.4	0.0	-0.3	0.0	0.9	0.0	-2.4	0.0
				Viento -Y exc.-	-0.4	0.0	-5.9	0.0	-2.5	0.0	-0.4	0.0	0.9	0.0	-2.5	0.0
				Peso propio	4.1	-0.0	-3.1	-0.0	1.3	0.0	4.1	-0.0	-3.4	-0.0	1.3	0.0
				Cargas muertas	14.1	-0.0	-11.2	-0.1	5.7	0.0	14.1	-0.0	-12.1	-0.1	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.5	0.0	28.5	-0.0	-24.4	-0.1	11.5	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	0.0	-0.1	0.0	-0.4	-0.0	0.0	0.0	-0.1	0.0	-0.4	-0.0	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Viento +Y exc.+	0.4	0.0	-0.9	-0.0	1.3	-0.0	0.4	0.0	-1.1	-0.0	1.3	-0.0
				Viento +Y exc.-	0.4	0.0	-0.9	0.0	1.3	0.0	0.4	0.0	-1.1	0.0	1.3	0.0
				Viento -Y exc.+	-0.4	0.0	0.9	0.0	-1.3	0.0	-0.4	0.0	1.1	0.0	-1.3	0.0
				Viento -Y exc.-	-0.4	-0.0	0.9	-0.0	-1.3	-0.0	-0.4	-0.0	1.1	-0.0	-1.3	-0.0
				Peso propio	5.1	-0.1	0.4	-0.0	1.3	0.0	4.1	-0.0	-3.1	-0.0	1.3	0.0
				Cargas muertas	14.1	-0.2	4.8	-0.1	5.7	0.0	14.1	-0.0	-11.2	-0.1	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.3	9.4	-0.1	11.5	0.0	28.5	-0.0	-22.6	-0.1	11.5	0.0
				Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0
P131	Placa solares +35.30	HE 180 A	34.97/35.13	Viento -X exc.+	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	6.1	-0.0	2.5	0.0	0.4	0.0	-0.9	-0.0	2.5	0.0
				Viento +Y exc.-	0.4	0.0	6.0	0.0	2.5	0.0	0.4	0.0	-0.9	0.0	2.5	0.0
				Viento -Y exc.+	-0.4	0.0	-6.1	0.0	-2.5	0.0	-0.4	0.0	0.9	0.0	-2.5	0.0
				Viento -Y exc.-	-0.4	-0.0	-6.0	-0.0	-2.5	0.0	-0.4	-0.0	0.9	-0.0	-2.5	0.0
				Peso propio	4.1	0.0	-3.2	0.0	1.1	0.0	4.1	0.0	-3.4	0.0	1.1	0.0
				Cargas muertas	14.1	-0.0	-11.2	-0.1	5.7	0.0	14.1	-0.0	-12.1	-0.1	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.4	0.0	28.5	-0.0	-24.5	-0.1	11.4	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.1	-0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.1	0.0	-0.4	-0.0	0.0
				Viento +Y exc.+	0.4	0.0	-0.9	0.0	1.3	-0.0	0.4	0.0	-1.2	0.0	1.3	-0.0
				Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.2	0.0	0.3	0.0	-1.1	0.0	1.2	0.0
				Viento -Y exc.+	-0.4	-0.0	0.9	-0.0	-1.3	0.0	-0.4	0.0	1.2	-0.0	-1.3	0.0
				Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.2	-0.0	-0.3	-0.0	1.1	-0.0	-1.2	-0.0
				Peso propio	5.1	0.0	-0.1	0.0	1.1	0.0	4.1	0.0	-3.2	0.0	1.1	0.0
				Cargas muertas	14.1	-0.2	4.6	-0.1	5.7	0.0	14.1	-0.0	-11.2	-0.1	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P132	Placa solares +35.30	HE 180 A	34.97/35.13	Sobrecarga de uso	28.5	-0.4	9.0	-0.1	11.4	0.0	28.5	-0.0	-22.6	-0.1	11.4	0.0
				Viento +X exc.+	0.0	2.2	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.2	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	0.0	-2.2	-0.0	-0.8	-0.0	0.0	0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	0.4	0.0	5.9	0.0	2.5	0.0	0.4	0.0	-0.9	0.0	2.5	0.0
				Viento +Y exc.-	0.3	0.0	5.6	0.0	2.3	0.0	0.3	0.0	-0.9	0.0	2.3	0.0
				Viento -Y exc.+	-0.4	-0.0	-5.9	-0.0	-2.5	0.0	-0.4	-0.0	0.9	-0.0	-2.5	0.0
				Viento -Y exc.-	-0.3	-0.0	-5.6	-0.0	-2.3	0.0	-0.3	-0.0	0.9	-0.0	-2.3	0.0
				Peso propio	4.1	-0.0	-3.2	-0.0	1.4	0.0	4.1	-0.0	-3.4	-0.0	1.4	0.0
	Cargas muertas				14.1	-0.0	-11.2	-0.0	5.8	0.0	14.1	-0.0	-12.1	-0.0	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.5	0.0	28.5	-0.0	-24.5	-0.1	11.5	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.1	-0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.1	0.0	-0.4	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	-0.9	-0.0	1.4	-0.0	0.4	0.0	-1.2	-0.0	1.4	-0.0
				Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.2	0.0	0.3	0.0	-1.1	0.0	1.2	0.0
				Viento -Y exc.+	-0.4	0.0	0.9	0.0	-1.4	0.0	-0.4	0.0	1.2	0.0	-1.4	0.0
				Viento -Y exc.-	-0.3	-0.0	0.9	0.0	-1.2	-0.0	-0.3	0.0	1.1	-0.0	-1.2	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	-0.1	0.6	-0.0	1.4	0.0	4.1	-0.0	-3.2	-0.0	1.4	0.0
				Cargas muertas	14.1	-0.2	4.8	-0.0	5.8	0.0	14.1	-0.0	-11.2	-0.0	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.3	9.3	-0.1	11.5	0.0	28.5	-0.0	-22.6	-0.1	11.5	0.0
				Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	6.2	-0.0	2.6	0.0	0.4	-0.0	-0.9	-0.0	2.6	0.0
				Viento +Y exc.-	0.3	0.0	5.6	0.0	2.3	0.0	0.3	0.0	-0.9	0.0	2.3	0.0
				Viento -Y exc.+	-0.4	0.0	-6.2	0.0	-2.6	0.0	-0.4	0.0	0.9	0.0	-2.6	0.0
				Viento -Y exc.-	-0.3	-0.0	-5.6	-0.0	-2.3	0.0	-0.3	-0.0	0.9	-0.0	-2.3	0.0
P133	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.0	1.1	0.0	4.1	0.0	-3.4	0.0	1.1	0.0
				Cargas muertas	14.1	-0.0	-11.2	-0.0	5.7	0.0	14.1	-0.0	-12.1	-0.0	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	-0.0	-24.5	-0.1	11.3	0.0
				Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.1	-0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.1	0.0	-0.4	-0.0	0.0
				Viento +Y exc.+	0.4	0.0	-1.0	0.0	1.3	-0.0	0.4	0.0	-1.2	0.0	1.3	-0.0
				Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.0	0.0	0.3	0.0	-1.0	0.0	1.0	0.0
				Viento -Y exc.+	-0.4	-0.0	1.0	-0.0	-1.3	0.0	-0.4	0.0	1.2	-0.0	-1.3	0.0
				Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.0	-0.0	-0.3	-0.0	1.0	-0.0	-1.0	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	0.1	-0.1	0.0	1.1	0.0	4.1	0.0	-3.2	0.0	1.1	0.0
				Cargas muertas	14.1	-0.1	4.5	-0.0	5.7	0.0	14.1	-0.0	-11.2	-0.0	5.7	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.5	-0.3	8.8	-0.1	11.3	0.0	28.5	-0.0	-22.7	-0.1	11.3	0.0
				Viento +X exc.+	0.0	2.2	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.2	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
P134	Placa solares +35.30	HE 180 A	34.97/35.13	Viento +Y exc.+	0.4	0.0	5.9	0.0	2.5	0.0	0.4	0.0	-1.0	0.0	2.5	0.0
				Viento +Y exc.-	0.3	0.0	5.2	0.0	2.2	0.0	0.3	0.0	-0.9	0.0	2.2	0.0
				Viento -Y exc.+	-0.4	-0.0	-5.9	-0.0	-2.5	0.0	-0.4	-0.0	1.0	-0.0	-2.5	0.0
				Viento -Y exc.-	-0.3	-0.0	-5.2	-0.0	-2.2	0.0	-0.3	-0.0	0.9	-0.0	-2.2	0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	4.1	-0.0	-3.2	-0.0	1.3	0.0	4.1	-0.0	-3.4	-0.0	1.3	0.0
				Cargas muertas	14.1	-0.0	-11.1	-0.1	5.8	0.0	14.1	-0.0	-12.0	-0.1	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.0	-22.5	-0.1	11.5	0.0	28.4	-0.0	-24.4	-0.1	11.5	0.0
				Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.1	-0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0
				Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.1	0.0	-0.4	-0.0	0.0
P135	Placa solares +35.30	HE 180 A	34.97/35.13	Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	1.5	-0.0	0.4	0.0	-1.2	-0.0	1.5	-0.0
				Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.0	0.0	0.3	0.0	-1.0	0.0	1.0	0.0
				Viento -Y exc.+	-0.4	0.0	1.0	0.0	-1.5	0.0	-0.4	0.0	1.2	0.0	-1.5	0.0
				Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.0	-0.0	-0.3	0.0	1.0	-0.0	-1.0	-0.0
	Casetón ascensor +35.07	HE 180 A	32.20/34.97	Peso propio	5.1	-0.1	0.5	-0.0	1.3	0.0	4.1	-0.0	-3.2	-0.0	1.3	0.0
				Cargas muertas	14.1	-0.2	4.8	-0.1	5.8	0.0	14.1	-0.0	-11.1	-0.1	5.8	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.4	-0.3	9.3	-0.1	11.5	0.0	28.4	-0.0	-22.5	-0.1	11.5	0.0
				Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	6.3	-0.0	2.6	0.0	0.4	-0.0	-1.0	-0.0	2.6	0.0
				Viento +Y exc.-	0.3	0.0	5.3	0.0	2.2	0.0	0.3	0.0	-0.9	0.0	2.2	0.0
				Viento -Y exc.+	-0.4	0.0	-6.3	0.0	-2.6	0.0	-0.4	0.0	1.0	0.0	-2.6	0.0
				Viento -Y exc.-	-0.3	-0.0	-5.3	-0.0	-2.2	0.0	-0.3	-0.0	0.9	-0.0	-2.2	0.0
	Placa solares +35.30	HE 180 A	34.97/35.13	Peso propio	4.1	0.0	-3.1	0.1	1.2	0.0	4.1	0.0	-3.3	0.1	1.2	0.0
				Cargas muertas	14.0	-0.0	-11.0	-0.0	5.6	0.0	14.0	-0.0	-11.9	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.3	-0.0	-22.2	-0.0	11.2	0.0	28.3	-0.0	-24.0	-0.0	11.2	0.0
				Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.1	-0.0	0.4	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.1	-0.0	0.4	0.0	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Casotón ascensor +35.07	HE 180 A	32.20/34.97	Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.1	0.0	-0.4	-0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.1	0.0	-0.4	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	1.4	-0.0	0.4	-0.0	-1.2	-0.0	1.4	-0.0
				Viento +Y exc.-	0.3	0.0	-0.9	-0.0	0.9	0.0	0.3	0.0	-1.0	-0.0	0.9	0.0
				Viento -Y exc.+	-0.4	0.0	1.0	0.0	-1.4	0.0	-0.4	0.0	1.2	0.0	-1.4	0.0
				Viento -Y exc.-	-0.3	0.0	0.9	0.0	-0.9	-0.0	-0.3	0.0	1.0	0.0	-0.9	-0.0
				Peso propio	5.1	0.2	0.1	0.1	1.2	0.0	4.1	0.0	-3.1	0.1	1.2	0.0
				Cargas muertas	14.0	-0.1	4.6	-0.0	5.6	0.0	14.0	-0.0	-11.0	-0.0	5.6	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	28.3	-0.0	8.9	-0.0	11.2	0.0	28.3	-0.0	-22.2	-0.0	11.2	0.0
				Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0
				Viento +X exc.-	0.0	2.3	0.1	0.8	0.0	0.0	0.0	0.1	-0.0	0.8	0.0	0.0
				Viento -X exc.+	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento -X exc.-	-0.0	-2.3	-0.1	-0.8	-0.0	0.0	-0.0	-0.1	0.0	-0.8	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	6.2	-0.0	2.6	0.0	0.4	-0.0	-1.0	-0.0	2.6	0.0
				Viento +Y exc.-	0.3	-0.0	4.9	-0.0	2.1	0.0	0.3	0.0	-0.9	-0.0	2.1	0.0
				Viento -Y exc.+	-0.4	0.0	-6.2	0.0	-2.6	0.0	-0.4	0.0	1.0	0.0	-2.6	0.0
				Viento -Y exc.-	-0.3	0.0	-4.9	0.0	-2.1	0.0	-0.3	0.0	0.9	0.0	-2.1	0.0
P136	Placa solares +35.30	HE 160 A	34.97/35.13	Peso propio	2.4	-0.0	-1.9	0.0	0.8	0.0	2.3	-0.0	-2.0	0.0	0.8	0.0
				Cargas muertas	7.4	-0.1	-5.9	0.0	3.1	0.0	7.4	-0.1	-6.4	0.0	3.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	14.6	-0.2	-11.5	0.0	5.8	0.0	14.6	-0.2	-12.4	0.0	5.8	0.0
				Viento +X exc.+	0.0	0.1	-0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	0.0
				Viento +X exc.-	0.0	0.1	-0.0	0.2	0.0	-0.0	0.0	0.0	-0.0	0.2	0.0	-0.0
				Viento -X exc.+	-0.0	-0.1	0.0	-0.2	0.0	-0.0	-0.0	-0.0	0.0	-0.2	0.0	-0.0
				Viento -X exc.-	-0.0	-0.1	0.0	-0.2	0.0	0.0	-0.0	-0.0	0.0	-0.2	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	0.9	-0.0	0.4	-0.0	-1.2	-0.0	0.9	-0.0
				Viento +Y exc.-	0.3	0.0	-0.8	-0.0	0.5	0.0	0.3	0.0	-0.9	-0.0	0.5	0.0
				Viento -Y exc.+	-0.4	0.0	1.0	0.0	-0.9	0.0	-0.4	0.0	1.2	0.0	-0.9	0.0
				Viento -Y exc.-	-0.3	0.0	0.8	0.0	-0.5	-0.0	-0.3	0.0	0.9	0.0	-0.5	-0.0
	Casotón ascensor +35.07	HE 160 A	32.20/34.97	Peso propio	3.2	0.0	0.3	0.0	0.8	0.0	2.4	-0.0	-1.9	0.0	0.8	0.0
				Cargas muertas	7.4	0.0	2.7	0.0	3.1	0.0	7.4	-0.1	-5.9	0.0	3.1	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	14.6	-0.2	4.6	0.0	5.8	0.0	14.6	-0.2	-11.5	0.0	5.8	0.0
				Viento +X exc.+	0.0	1.5	-0.0	0.5	0.0	0.0	0.0	0.1	-0.0	0.5	0.0	0.0
				Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.1	-0.0	0.5	0.0	0.0
				Viento -X exc.+	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-0.1	0.0	-0.5	0.0	0.0
				Viento -X exc.-	-0.0	-1.5	-0.0	-0.5	-0.0	0.0	-0.0	-0.1	0.0	-0.5	-0.0	0.0
				Viento +Y exc.+	0.4	-0.0	4.4	-0.0	2.0	0.0	0.4	-0.0	-1.0	-0.0	2.0	0.0
				Viento +Y exc.-	0.3	-0.0	3.3	-0.0	1.5	0.0	0.3	0.0	-0.8	-0.0	1.5	0.0
				Viento -Y exc.+	-0.4	0.0	-4.4	0.0	-2.0	0.0	-0.4	0.0	1.0	0.0	-2.0	0.0
				Viento -Y exc.-	-0.3	0.0	-3.3	0.0	-1.5	0.0	-0.3	0.0	0.8	0.0	-1.5	0.0
P137	Casotón ascensor +35.07	HE 200 B	32.20/34.81	Peso propio	-86.5	-0.2	-2.4	0.1	-1.1	0.0	-88.0	-0.4	0.6	0.1	-1.1	0.0
				Cargas muertas	-27.0	-0.0	-0.9	0.0	-0.4	0.0	-27.0	-0.1	0.1	0.0	-0.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	-32.4	-2.9	-2.6	-1.9	-1.3	0.0	-32.4	2.1	0.7	-1.9	-1.3	0.0
				Viento +X exc.+	3.3	3.0	0.1	2.1	0.0	0.0	3.3	-2.5	-0.1	2.1	0.0	0.0
				Viento +X exc.-	3.4	2.9	0.3	2.1	0.2	0.0	3.4	-2.5	-0.2	2.1	0.2	0.0
				Viento -X exc.+	-3.3	-3.0	-0.1	-2.1	-0.0	0.0	-3.3	2.5	0.1	-2.1	-0.0	0.0
				Viento -X exc.-	-3.4	-2.9	-0.3	-2.1	-0.2	0.0	-3.4	2.5	0.2	-2.1	-0.2	0.0
				Viento +Y exc.+	8.1	-0.3	17.8	-0.1	11.5	0.0	8.1	0.0	-12.1	-0.1	11.5	0.0
				Viento +Y exc.-	7.5	0.4	14.7	0.3	9.5	-0.0	7.5	-0.5	-10.0	0.3	9.5	-0.0
				Viento -Y exc.+	-8.1	0.3	-17.8	0.1	-11.5	-0.0	-8.1	-0.0	12.1	0.1	-11.5	-0.0
				Viento -Y exc.-	-7.5	-0.4	-14.7	-0.3	-9.5	0.0	-7.5	0.5	10.0	-0.3	-9.5	0.0
P138	Casotón ascensor +35.07	HE 200 B	32.20/34.73	Peso propio	45.5	-5.3	-6.7	-7.6	-5.5	0.0	44.0	13.9	7.2	-7.6	-5.5	0.0
				Cargas muertas	13.7	-1.6	-1.8	-2.4	-1.5	0.0	13.7	4.4	2.0	-2.4	-1.5	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	8.6	1.0	-0.3	-0.3	-0.2	0.0	8.6	1.7	0.1	-0.3	-0.2	0.0
				Viento +X exc.+	-0.6	3.0	-0.0	2.1	-0.1	0.0	-0.6	-2.3	0.1	2.1	-0.1	0.0
				Viento +X exc.-	-0.5	3.0	-0.3	2.1	-0.3	0.0	-0.5	-2.3	0.4	2.1	-0.3	0.0
				Viento -X exc.+	0.6	-3.0	0.0	-2.1	0.1	0.0	0.6	2.3	-0.1	-2.1	0.1	0.0
				Viento -X exc.-	0.5	-3.0	0.3	-2.1	0.3	0.0	0.5	2.3	-0.4	-2.1	0.3	0.0
				Viento +Y exc.+	-8.8	0.6	19.7	0.5	13.8	0.0	-8.8	-0.6	-15.3	0.5	13.8	0.0
				Viento +Y exc.-	-10.3	-0.2	23.1	-0.1	16.2	-0.0	-10.3	-0.0	-18.0	-0.1	16.2	-0.0
				Viento -Y exc.+	8.8	-0.6	-19.7	-0.5	-13.8	-0.0	8.8	0.6	15.3	-0.5	-13.8	-0.0
				Viento -Y exc.-	10.3	0.2	-23.1	0.1	-16.2	0.0	10.3	0.0	18.0	0.1	-16.2	0.0
P139	Casotón ascensor +35.07	HE 200 B	32.20/34.81	Peso propio	41.8	9.2	-7.2	9.8	-4.4	0.0	40.3	-16.5	4.5	9.8	-4.4	0.0
				Cargas muertas	12.6	3.0	-2.3	3.1	-1.4	0.0	12.6	-5.1	1.3	3.1	-1.4	0.0
				H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Sobrecarga de uso	7.6	0.8	-1.7	1.5	-0.5	0.0	7.6	-3.1	-0.4	1.5	-0.5	0.0
				Viento +X exc.+	0.7	2.9	-0.1	2.0	-0.0	0.0	0.7	-2.3	0.0	2.0	-0.0	0.0
				Viento +X exc.-	0.6	3.0	0.3	2.1	0.2	0.0	0.6	-2.4	-0.2	2.1	0.2	0.0
				Viento -X exc.+	-0.7	-2.9	0.1	-2.0	0.0	0.0	-0.7	2.3	-0.0	-2.0	0.0	0.0
				Viento -X exc.-	-0.6	-3.0	-0.3	-2.1	-0.2	0.0	-0.6	2.4	0.2	-2.1	-0.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento +Y exc.+	-9.4	0.4	21.6	0.2	14.0	0.0	-9.4	-0.0	-14.9	0.2	14.0	0.0
				Viento +Y exc.-	-8.0	-0.5	17.6	-0.4	11.4	-0.0	-8.0	0.6	-12.2	-0.4	11.4	-0.0
				Viento -Y exc.+	9.4	-0.4	-21.6	-0.2	-14.0	-0.0	9.4	0.0	14.9	-0.2	-14.0	-0.0
				Viento -Y exc.-	8.0	0.5	-17.6	0.4	-11.4	0.0	8.0	-0.6	12.2	0.4	-11.4	0.0
M1	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	26846	-57979	930.9	175.0	994.5	-2654	11281	-24037	-2196	90.7	1190.9	-1560
				Cargas muertas	18461	-36858	593.7	85.1	652.7	-1134	8754.7	-16717	-1295	5.7	666.9	793.8
				H 1	-900.1	3100.6	-2547	-221.3	-5063	3627.8	513.4	335.0	-556.2	-162.7	1521.2	-1759
				Sobrecarga de uso	8745.5	-19971	341.6	35.3	365.3	-951.2	4065.8	-8377	-807.2	7.1	433.8	-644.4
				Viento +X exc.+	7.2	1084.0	5.3	1177.7	5.2	322.5	1.2	-5585	-6.3	1600.9	2.0	-298.8
				Viento +X exc.-	11.3	2354.3	4.1	1139.2	4.1	263.5	9.2	-4322	-5.5	1552.6	2.1	-261.8
				Viento -X exc.+	-7.2	-1084	-5.3	-1178	-5.2	-322.5	-1.2	5585.3	6.3	-1601	-2.0	298.8
				Viento -X exc.-	-11.3	-2354	-4.1	-1139	-4.1	-263.5	-9.2	4322.2	5.5	-1553	-2.1	261.8
				Viento +Y exc.+	2483.8	21570	44.8	649.4	-18.0	-1144	1715.2	18891	-44.6	463.4	149.0	-51.3
				Viento +Y exc.-	2412.1	596.9	61.7	1199.3	-2.4	-333.2	1598.7	-512.7	-56.6	1153.8	147.9	-601.5
				Viento -Y exc.+	-2484	-21570	-44.8	-649.4	18.0	1144.3	-1715	-18891	44.6	-463.4	-149.0	51.3
				Viento -Y exc.-	-2412	-596.9	-61.7	-1199	2.4	333.2	-1599	512.7	56.6	-1154	-147.9	601.5
M2	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	1444.8	146.7	-2129	159.4	341.3	-44.5	378.9	-372.1	-272.3	194.7	388.0	39.7
				Cargas muertas	632.0	54.9	-967.0	61.4	127.7	-3.1	205.9	-133.9	-127.3	67.8	160.0	8.7
				H 1	-51.7	-184.1	282.6	-360.6	40.2	260.9	43.7	-63.5	-111.6	118.8	7.3	-136.5
				Sobrecarga de uso	361.3	37.1	-646.1	41.0	101.7	-6.6	99.3	-93.8	-94.4	49.7	110.3	15.6
				Viento +X exc.+	-6.2	-2.0	61.6	-4.3	-9.6	-14.6	59.3	2.1	-217.9	1.7	-15.6	7.7
				Viento +X exc.-	-6.9	-2.1	63.9	-4.4	-6.1	-14.8	60.4	2.0	-222.1	1.8	-9.5	7.8
				Viento -X exc.+	6.2	2.0	-61.6	4.3	9.6	14.6	-59.3	-2.1	217.9	-1.7	15.6	-7.7
				Viento -X exc.-	6.9	2.1	-63.9	4.4	6.1	14.8	-60.4	-2.0	222.1	-1.8	9.5	-7.8
				Viento +Y exc.+	-117.1	-0.5	424.8	0.1	586.9	5.1	18.3	-5.9	-345.7	6.5	678.9	2.7
				Viento +Y exc.-	-107.4	-0.2	395.6	0.9	539.0	6.6	2.9	-4.0	-287.3	4.3	596.1	2.4
				Viento -Y exc.+	117.1	0.5	-424.8	-0.1	-586.9	-5.1	-18.3	5.9	345.7	-6.5	-678.9	-2.7
				Viento -Y exc.-	107.4	0.2	-395.6	-0.9	-539.0	-6.6	-2.9	4.0	287.3	-4.3	-596.1	-2.4
M3	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	20951	-9031	-2215	-211.2	-2463	1727.5	5360.2	10586	6382.1	-219.9	-3530	-801.0
				Cargas muertas	8455.3	-12729	-852.2	-168.4	-965.5	2692.4	2764.1	5393.9	2328.8	-179.2	-1261	2033.9
				H 1	-769.5	1098.1	2518.8	-37.5	5175.6	-5047	907.9	-667.3	932.3	-80.9	-1666	3198.2
				Sobrecarga de uso	5688.1	7761.0	-693.0	-68.8	-774.6	-2298	1538.3	3368.5	1978.8	-70.0	-1090	-4274
				Viento +X exc.+	-4.3	2841.6	7.2	781.2	10.1	486.2	86.3	3380.9	-4.4	1218.6	-2.1	354.8
				Viento +X exc.-	-1.5	2732.8	5.7	816.6	8.1	369.5	76.9	2122.9	-2.8	1266.1	-2.8	342.2
				Viento -X exc.+	4.3	-2842	-7.2	-781.2	-10.1	-486.2	-86.3	-3381	4.4	-1219	2.1	-354.8
				Viento -X exc.-	1.5	-2733	-5.7	-816.6	-8.1	-369.5	-76.9	-2123	2.8	-1266	2.8	-342.2
				Viento +Y exc.+	-696.9	-706.4	19.1	-580.5	-83.3	-2790	-1440	-19970	18.2	-361.2	85.0	-1302
				Viento +Y exc.-	-737.8	1014.0	40.7	-1085	-55.6	-1128	-1312	-1937	-4.6	-1037	95.5	-1126
				Viento -Y exc.+	696.9	706.4	-19.1	580.5	83.3	2790.3	1439.8	19970	-18.2	361.2	-85.0	1302.0
				Viento -Y exc.-	737.8	-1014	-40.7	1085.4	55.6	1127.8	1312.1	1936.6	4.6	1037.3	-95.5	1125.5
M5	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	680.7	26.7	-99.6	24.7	85.5	-0.5	514.9	-211.6	294.4	190.7	110.8	-300.3
				Cargas muertas	330.8	8.2	-78.8	8.2	32.3	0.6	294.6	-66.8	151.6	60.8	38.8	-123.6
				H 1	-0.2	-81.6	30.5	-191.0	93.2	-20.6	-39.1	-45.0	21.0	57.0	-49.3	25.2
				Sobrecarga de uso	174.8	10.1	-26.4	9.3	19.5	-0.9	168.1	-80.2	127.5	72.2	30.2	-114.9
				Viento +X exc.+	-9.8	0.6	-38.6	0.9	1.6	0.1	-4.3	-0.5	-0.7	1.4	-16.0	1.4
				Viento +X exc.-	-9.0	0.6	-36.1	0.9	3.7	0.0	-1.6	-0.7	-9.2	1.8	-11.0	2.2
				Viento -X exc.+	9.8	-0.6	38.6	-0.9	-1.6	-0.1	4.3	0.5	0.7	-1.4	16.0	-1.4
				Viento -X exc.-	9.0	-0.6	36.1	-0.9	-3.7	-0.0	1.6	0.7	9.2	-1.8	11.0	-2.2
				Viento +Y exc.+	146.1	-1.0	416.8	-2.4	345.8	-5.7	112.7	-9.2	-438.6	12.2	462.6	22.9
				Viento +Y exc.-	135.8	-1.0	384.5	-2.0	318.4	-3.9	75.2	-5.9	-320.2	7.2	393.7	12.1
				Viento -Y exc.+	-146.1	1.0	-416.8	2.4	-345.8	5.7	-112.7	9.2	438.6	-12.2	-462.6	-22.9
				Viento -Y exc.-	-135.8	1.0	-384.5	2.0	-318.4	3.9	-75.2	5.9	320.2	-7.2	-393.7	-12.1
M6	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	8397.0	-542.4	31292	-547.6	800.1	-1597	3395.7	1394.0	8981.3	-724.0	749.0	-1842
				Cargas muertas	4959.2	-240.0	27865	-250.3	121.6	-156.5	2283.8	567.1	10273	-277.1	91.8	-373.5
				H 1	-234.0	900.0	-1501	1795.5	-1.3	1472.4	134.2	241.7	349.2	-539.1	-7.5	-864.2
				Sobrecarga de uso	2402.9	-151.0	13003	-153.8	193.1	-241.3	1075.4	391.6	4283.2	-207.8	180.3	-213.9
				Viento +X exc.+	-121.6	-24.3	-535.2	-31.8	179.3	142.6	-219.0	14.5	-1565	23.8	246.6	-127.3
				Viento +X exc.-	-121.2	-24.1	-591.2	-31.6	134.0	137.7	-217.5	14.4	-1428	23.6	187.3	-115.8
				Viento -X exc.+	121.6	24.3	535.2	31.8	-179.3	-142.6	219.0	-14.5	1565.4	-23.8	-246.6	127.3
				Viento -X exc.-	121.2	24.1	591.2	31.6	-134.0	-137.7	217.5	-14.4	1428.1	-23.6	-187.3	115.8
				Viento +Y exc.+	-30.0	3.0	4574.5	3.9	4233.4	-186.0	-15.0	-1.9	-2297	-0.1	4337.0	-84.9
				Viento +Y exc.-	-37.5	0.9	5434.7	1.7	4895.0	-116.8	-37.5	-1.0	-4258	3.1	5201.4	-250.3
				Viento -Y exc.+	30.0	-3.0	-4575	-3.9	-4233	186.0	15.0	1.9	2296.6	0.1	-4337	84.9
				Viento -Y exc.-	37.5	-0.9	-5435	-1.7	-4895	116.8	37.5	1.0	4258.4	-3.1	-5201	250.3
M4	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	998.8	69.9	2308.2	65.3	291.7	-444.4	279.0	-173.7	1842.8	85.4	276.1	-574.2
				Cargas muertas	361.0	93.3	2436.5	86.1	74.4	-583.3	357.1	-232.6	2256.5	113.8	69.2	-770.3
				H 1	33.9	-1111	-191.6	-1480	16.7	-1351	36.1	-107.9	127.7	269.2	75.5	-1245
				Sobrecarga de uso	78.7	18.2	623.5	17.0	82.3	-114.8	82.3	-45.5	425.1	22.4	77.9	-150.6
				Viento +X exc.+	49.4	4.4	131.1	3.8	-62.9	-20.6	8.2	-4.2	65.9	2.6	-58.9	-16.3
				Viento +X exc.-	47.6	4.3	150.8	3.8	-49.6	-20.1	8.0	-4.2	61.6	2.6	-46.2	-15.9
				Viento -X exc.+	-49.4	-4.4	-131.1	-3.8	62.9	20.6	-8.2	4.2	-65.9	-2.6	58.9	16.3
				Viento -X exc.-	-47.6	-4.3	-150.8	-3.8	49.6	20.1	-8.0	4.2	-61.6	-2.6	46.2	15.9
				Viento +Y exc.+	-97.6	0.8	3366.7	0.7	1546.9	-2.2	-6.8	-1.6	-302.5	3.0	1471.9	3.2
				Viento +Y exc.-	-73.2	1.8	3104.2	1.6	1366.2	-9.4	-3.7	-2.5	-243.5	3.3	1299.9	-2.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
M8	P. Baja +0.00	30.0	-3.60/-0.10	Viento -Y exc.+	97.6	-0.8	-3367	-0.7	-1547	2.2	6.8	302.5	1.6	-3.0	-1472	-3.2
				Viento -Y exc.-	73.2	-1.8	-3104	-1.6	-1366	9.4	3.7	243.5	2.5	-3.3	-1300	2.4
				Peso propio	5861.2	135.1	1012.8	187.2	265.3	600.7	2292.0	-312.2	1209.5	195.4	220.1	1184.4
				Cargas muertas	3939.7	52.2	1091.2	87.5	-8.6	374.5	1911.0	-43.7	1745.0	7.1	-65.8	741.9
				H 1	-259.7	-342.0	182.0	-783.4	25.8	158.0	26.4	-164.0	-582.8	251.2	89.5	-177.7
				Sobrecarga de uso	1804.7	43.7	698.0	61.5	63.3	129.7	759.9	-103.5	449.2	67.4	49.2	292.5
				Viento +X exc.+	51.4	-9.1	161.0	-14.0	-44.7	-16.5	226.2	3.3	158.2	14.1	-102.0	-14.0
				Viento +X exc.-	50.1	-9.0	200.0	-13.9	-36.1	-17.8	220.1	3.6	130.9	13.4	-81.0	-10.8
				Viento -X exc.+	-51.4	9.1	-161.0	14.0	44.7	16.5	-226.2	-3.3	-158.2	-14.1	102.0	14.0
				Viento -X exc.-	-50.1	9.0	-200.0	13.9	36.1	17.8	-220.1	-3.6	-130.9	-13.4	81.0	10.8
				Viento +Y exc.+	-44.3	2.4	2503.7	3.6	1646.5	-69.4	-193.6	11.7	-1420	-22.5	2126.5	92.4
				Viento +Y exc.-	-20.3	1.5	1870.5	2.1	1534.9	-50.3	-105.0	7.4	-1076	-12.6	1838.9	49.6
				Viento -Y exc.+	44.3	-2.4	-2504	-3.6	-1646	69.4	193.6	-11.7	1420.4	22.5	-2127	-92.4
				Viento -Y exc.-	20.3	-1.5	-1870	-2.1	-1535	50.3	105.0	-7.4	1075.5	12.6	-1839	-49.6
M9	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	93.7	0.5	0.1	-0.2	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	-0.0
				Cargas muertas	2.8	0.1	0.0	-0.0	0.0	0.0	2.8	0.0	0.0	-0.0	0.0	0.0
				H 1	1.2	-83.0	16.7	-75.9	21.7	-15.1	-3.1	8.2	0.0	-22.0	-8.3	6.5
				Sobrecarga de uso	2.1	0.2	0.0	-0.0	0.0	0.0	2.2	0.0	0.0	-0.0	0.0	0.0
				Viento +X exc.+	0.1	-0.2	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento +X exc.-	0.1	-0.1	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento -X exc.+	-0.1	0.2	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento -X exc.-	-0.1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento +Y exc.+	-3.9	5.2	0.2	-0.1	0.2	-0.4	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Viento +Y exc.-	-3.5	4.6	0.1	-0.0	0.2	-0.3	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Viento -Y exc.+	3.9	-5.2	-0.2	0.1	-0.2	0.4	0.0	-0.0	0.0	0.0	0.0	-0.0
				Viento -Y exc.-	3.5	-4.6	-0.1	0.0	-0.2	0.3	0.0	-0.0	0.0	0.0	0.0	-0.0
M10	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	490.1	12.2	-42.3	0.5	-0.4	-3.4	-0.0	0.0	-0.1	-0.0	0.0	0.1
				Cargas muertas	14.2	0.5	-1.7	0.0	-0.0	-0.1	14.3	0.4	-1.4	0.0	-0.0	-0.0
				H 1	-32.3	65.5	-258.6	-9.5	10.9	50.1	-0.7	1.9	-6.5	-0.3	5.3	-12.4
				Sobrecarga de uso	11.4	0.4	-1.2	0.0	-0.0	-0.1	11.4	0.3	-1.1	0.0	-0.0	-0.0
				Viento +X exc.+	-0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento +X exc.-	-0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento -X exc.+	0.0	-0.0	0.2	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0
				Viento -X exc.-	0.0	-0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
				Viento +Y exc.+	0.5	-1.3	4.8	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	-0.0
				Viento +Y exc.-	0.5	-1.2	4.2	0.0	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	-0.0
				Viento -Y exc.+	-0.5	1.3	-4.8	-0.0	-0.0	0.1	-0.0	0.0	-0.0	0.0	-0.0	0.0
				Viento -Y exc.-	-0.5	1.2	-4.2	-0.0	-0.0	0.1	-0.0	0.0	-0.0	0.0	-0.0	0.0
M11	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	232.3	19.2	6.4	98.0	9.5	0.6	31.6	-12.2	12.0	-87.6	-20.0	45.1
				Cargas muertas	85.8	0.8	3.4	45.4	4.4	0.7	36.0	-12.1	-1.6	-38.9	-2.9	24.9
				H 1	2.4	-18.0	-2.4	-41.9	-4.6	2.0	9.9	-9.1	-6.2	22.5	7.5	-4.8
				Sobrecarga de uso	45.9	4.9	1.8	35.8	2.8	0.1	5.3	-4.1	6.2	-30.9	-8.8	14.9
				Viento +X exc.+	-12.1	25.8	-0.2	24.0	-0.2	0.5	-2.8	-11.8	0.2	23.2	-0.0	0.7
				Viento +X exc.-	-11.2	26.4	-0.1	24.7	-0.1	0.5	-2.5	-12.2	0.1	24.0	0.0	0.7
				Viento -X exc.+	12.1	-25.8	0.2	-24.0	0.2	-0.5	2.8	11.8	-0.2	-23.2	0.0	-0.7
				Viento -X exc.-	11.2	-26.4	0.1	-24.7	0.1	-0.5	2.5	12.2	-0.1	-24.0	-0.0	-0.7
				Viento +Y exc.+	155.3	-31.4	6.7	7.7	7.0	-2.0	32.8	-14.7	-3.3	13.2	2.3	-0.6
				Viento +Y exc.-	142.3	-39.6	6.0	-3.3	6.3	-2.1	30.0	-8.0	-2.9	1.6	2.0	-0.7
				Viento -Y exc.+	-155.3	31.4	-6.7	-7.7	-7.0	2.0	-32.8	14.7	3.3	-13.2	-2.3	0.6
				Viento -Y exc.-	-142.3	39.6	-6.0	3.3	-6.3	2.1	-30.0	8.0	2.9	-1.6	-2.0	0.7
M13	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	239.1	-66.0	252.1	-22.2	98.1	-13.7	38.6	-51.7	98.2	3.6	58.1	-57.1
				Cargas muertas	22.6	-29.8	117.3	-6.2	32.6	-7.7	33.8	-40.0	77.7	12.8	6.2	-43.1
				H 1	-16.3	-14.4	44.5	-17.9	60.6	-6.5	-17.6	19.6	-34.2	-9.4	-0.8	20.7
				Sobrecarga de uso	4.2	-18.6	70.2	-6.8	28.3	-3.1	13.2	-11.9	19.3	0.6	17.0	-15.3
				Viento +X exc.+	31.7	9.7	-30.7	10.4	-33.7	-1.0	5.9	-5.5	19.7	7.3	-28.0	0.4
				Viento +X exc.-	31.3	7.7	-23.2	9.5	-30.2	-1.2	5.8	-5.3	18.6	6.5	-24.9	0.3
				Viento -X exc.+	-31.7	-9.7	30.7	-10.4	33.7	1.0	-5.9	5.5	-19.7	-7.3	28.0	-0.4
				Viento -X exc.-	-31.3	-7.7	23.2	-9.5	30.2	1.2	-5.8	5.3	-18.6	-6.5	24.9	-0.3
				Viento +Y exc.+	-170.1	-242.3	871.1	-129.6	475.3	-11.3	-34.3	46.8	-185.8	-106.1	411.6	-14.8
				Viento +Y exc.-	-164.9	-214.6	768.7	-117.5	428.3	-9.2	-32.9	43.3	-170.8	-95.4	370.2	-13.0
				Viento -Y exc.+	170.1	242.3	-871.1	129.6	-475.3	11.3	34.3	-46.8	185.8	106.1	-411.6	14.8
				Viento -Y exc.-	164.9	214.6	-768.7	117.5	-428.3	9.2	32.9	-43.3	170.8	95.4	-370.2	13.0
M13	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	75.2	-2.2	3.4	1.6	2.5	-1.1	18.1	8.4	-18.5	-17.4	24.2	1.6
				Cargas muertas	20.6	-1.7	1.6	0.6	0.6	-0.7	13.7	1.1	-13.0	-4.1	16.0	1.1
				H 1	2.4	-1.9	0.6	-4.3	1.6	0.2	1.4	-1.2	1.0	2.5	-1.6	-0.3
				Sobrecarga de uso	9.7	-0.4	0.9	1.1	0.4	-0.3	4.3	3.2	-5.1	-6.3	6.8	0.5
				Viento +X exc.+	1.7	5.6	-2.3	10.2	-4.3	0.2	0.3	-6.6	2.8	10.8	-4.5	0.1
				Viento +X exc.-	2.4	5.6	-2.3	10.2	-4.2	0.2	0.4	-6.5	2.7	10.7	-4.5	0.1
				Viento -X exc.+	-1.7	-5.6	2.3	-10.2	4.3	-0.2	-0.3	6.6	-2.8	-10.8	4.5	-0.1
				Viento -X exc.-	-2.4	-5.6	2.3	-10.2	4.2	-0.2	-0.4	6.5	-2.7	-10.7	4.5	-0.1
				Viento +Y exc.+	69.4	-18.5	11.4	-37.7	20.1	-0.7	15.1	25.9	-12.6	-41.6	19.3	-0.3
				Viento +Y exc.-	59.9	-18.6	11.0	-37.4	19.4	-0.7	13.1	25.5	-12.2	-41.1	18.9	-0.4
				Viento -Y exc.+	-69.4	18.5	-11.4	37.7	-20.1	0.7	-15.1	-25.9	12.6	41.6	-19.3	0.3
				Viento -Y exc.-	-59.9	18.6	-11.0	37.4	-19.4	0.7	-13.1	-25.5	12.2	41.1	-18.9	0.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
M14	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	73.1	-3.9	6.9	-9.0	13.5	-0.2	22.8	-4.1	-18.9	2.2	23.3	-1.2
				Cargas muertas	19.0	-0.7	1.6	-2.9	3.8	0.1	15.5	-7.1	-10.1	7.6	11.1	-1.0
				H 1	0.0	-1.7	2.1	-2.5	3.4	-0.1	-0.4	1.3	0.9	-1.2	-1.1	0.1
				Sobrecarga de uso	8.9	-1.2	1.9	-2.6	3.6	-0.1	6.1	-0.7	-5.4	0.1	6.7	-0.3
				Viento +X exc.+	3.1	3.4	-3.9	6.3	-7.6	0.2	0.1	-4.4	5.4	6.7	-8.3	0.1
				Viento +X exc.-	3.8	3.2	-3.7	6.0	-7.2	0.2	0.3	-4.3	5.1	6.4	-7.9	0.1
				Viento -X exc.+	-3.1	-3.4	3.9	-6.3	7.6	-0.2	-0.1	4.4	-5.4	-6.7	8.3	-0.1
				Viento -X exc.-	-3.8	-3.2	3.7	-6.0	7.2	-0.2	-0.3	4.3	-5.1	-6.4	7.9	-0.1
				Viento +Y exc.+	62.9	-25.6	35.6	-47.3	63.8	-1.9	19.1	34.5	-44.9	-52.1	67.4	-0.9
				Viento +Y exc.-	53.2	-23.8	32.8	-44.0	58.9	-1.8	16.5	32.1	-41.5	-48.4	62.4	-0.8
				Viento -Y exc.+	-62.9	25.6	-35.6	47.3	-63.8	1.9	-19.1	-34.5	44.9	52.1	-67.4	0.9
				Viento -Y exc.-	-53.2	23.8	-32.8	44.0	-58.9	1.8	-16.5	-32.1	41.5	48.4	-62.4	0.8
M12	P. cubierta +32.30	30.0	28.60/32.20	Peso propio	520.7	-14.4	213.2	-9.1	-37.7	4.7	191.7	24.1	-105.8	-10.8	-15.8	5.1
				Cargas muertas	184.8	-4.8	50.3	-3.3	-37.2	0.7	55.8	10.5	-26.6	-4.1	-34.3	1.3
				H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	280.1	-11.5	166.1	-13.8	-30.1	3.1	93.3	33.6	-103.0	-11.6	7.1	1.0
				Viento +X exc.+	5.7	8.5	-26.9	5.9	-8.3	2.2	24.4	-17.4	38.4	8.1	-9.1	0.9
				Viento +X exc.-	3.3	8.5	-19.6	6.0	-6.3	2.3	22.2	-17.6	39.7	8.2	-6.9	1.0
				Viento -X exc.+	-5.7	-8.5	26.9	-5.9	8.3	-2.2	-24.4	17.4	-38.4	-8.1	9.1	-0.9
				Viento -X exc.-	-3.3	-8.5	19.6	-6.0	6.3	-2.3	-22.2	17.6	-39.7	-8.2	6.9	-1.0
				Viento +Y exc.+	78.5	-3.9	-196.2	-7.0	-8.2	-2.9	121.9	14.4	-164.4	-7.0	-5.9	-1.3
				Viento +Y exc.-	121.4	-4.3	-326.0	-8.6	-45.1	-4.7	158.5	17.2	-183.3	-8.9	-45.7	-2.3
				Viento -Y exc.+	-78.5	3.9	196.2	7.0	8.2	2.9	-121.9	-14.4	164.4	7.0	5.9	1.3
				Viento -Y exc.-	-121.4	4.3	326.0	8.6	45.1	4.7	-158.5	-17.2	183.3	8.9	45.7	2.3
	P. séptima +28.70	30.0	25.00/28.60	Peso propio	836.2	-9.2	106.9	-3.2	-2.5	-7.0	694.1	-0.2	-7.6	14.6	90.3	-17.9
				Cargas muertas	266.2	-1.3	51.9	0.6	25.4	-3.2	256.4	-3.3	-64.6	7.1	69.7	-8.3
				H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0
				Sobrecarga de uso	356.7	0.7	83.0	2.1	-2.7	-2.0	351.2	-8.2	73.7	8.6	33.5	-7.7
				Viento +X exc.+	20.5	8.4	-40.2	6.1	-9.3	3.5	28.3	-13.6	9.0	1.1	-7.4	4.1
				Viento +X exc.-	15.4	8.4	-28.7	6.2	-8.3	3.6	24.0	-13.7	19.4	1.3	-5.8	4.0
				Viento -X exc.+	-20.5	-8.4	40.2	-6.1	9.3	-3.5	-28.3	13.6	-9.0	-1.1	7.4	-4.1
				Viento -X exc.-	-15.4	-8.4	28.7	-6.2	8.3	-3.6	-24.0	13.7	-19.4	-1.3	5.8	-4.0
				Viento +Y exc.+	180.3	-0.2	-283.2	-1.7	33.4	3.0	198.1	2.7	-449.4	-7.6	-7.8	5.3
				Viento +Y exc.-	269.1	-0.5	-479.2	-2.9	18.0	2.7	274.1	4.0	-629.6	-10.5	-33.9	5.8
				Viento -Y exc.+	-180.3	0.2	283.2	1.7	-33.4	-3.0	-198.1	-2.7	449.4	7.6	7.8	-5.3
				Viento -Y exc.-	-269.1	0.5	479.2	2.9	-18.0	-2.7	-274.1	-4.0	629.6	10.5	33.9	-5.8
	P. sexta +25.10	30.0	21.40/25.00	Peso propio	1179.0	-10.9	78.0	-5.5	-5.9	-3.9	1023.3	4.7	-42.8	7.6	64.3	-6.7
				Cargas muertas	373.2	-2.2	45.1	-0.7	5.8	-1.9	345.7	-0.2	-25.9	3.2	37.9	-3.0
				H 1	-0.1	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	456.4	-2.1	63.9	-1.3	-4.7	-0.8	427.9	0.7	24.0	1.8	23.1	-1.8
				Viento +X exc.+	9.7	15.0	-60.8	10.5	0.4	4.0	49.0	-21.7	9.6	4.0	2.3	3.8
				Viento +X exc.-	4.9	15.0	-52.2	10.5	-2.1	4.1	42.3	-21.7	25.2	4.1	0.3	3.9
				Viento -X exc.+	-9.7	-15.0	60.8	-10.5	-0.4	-4.0	-49.0	21.7	-9.6	-4.0	-2.3	-3.8
				Viento -X exc.-	-4.9	-15.0	52.2	-10.5	2.1	-4.1	-42.3	21.7	-25.2	-4.1	-0.3	-3.9
				Viento +Y exc.+	191.9	-0.6	-167.9	-1.3	138.4	1.4	275.5	3.8	-594.9	-5.7	106.6	0.3
				Viento +Y exc.-	273.0	-0.7	-306.1	-2.1	186.1	-0.3	389.5	4.8	-864.4	-7.9	144.5	-1.3
				Viento -Y exc.+	-191.9	0.6	167.9	1.3	-138.4	-1.4	-275.5	-3.8	594.9	5.7	-106.6	-0.3
				Viento -Y exc.-	-273.0	0.7	306.1	2.1	-186.1	0.3	-389.5	-4.8	864.4	7.9	-144.5	1.3
	P. quinta +21.50	30.0	17.80/21.40	Peso propio	1510.7	-12.2	27.3	-5.7	-9.4	-4.1	1350.8	4.3	-83.6	8.7	58.9	-8.4
				Cargas muertas	464.2	-2.7	67.3	-0.7	19.6	-2.1	444.8	-0.5	-39.0	3.8	50.6	-3.8
				H 1	-0.1	0.0	-0.0	-0.0	0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0
				Sobrecarga de uso	545.3	-2.0	38.5	-0.7	-3.0	-1.0	520.4	-0.9	1.2	3.2	23.5	-2.7
				Viento +X exc.+	13.2	18.0	-81.2	11.6	-6.8	5.1	42.9	-22.3	-2.8	2.9	-4.5	5.7
				Viento +X exc.-	8.7	18.0	-76.3	11.7	-9.9	5.2	36.4	-22.3	10.7	3.1	-7.0	5.7
				Viento -X exc.+	-13.2	-18.0	81.2	-11.6	6.8	-5.1	-42.9	22.3	2.8	-2.9	4.5	-5.7
				Viento -X exc.-	-8.7	-18.0	76.3	-11.7	9.9	-5.2	-36.4	22.3	-10.7	-3.1	7.0	-5.7
				Viento +Y exc.+	146.5	-0.2	68.4	-0.7	209.5	1.2	282.0	3.1	-513.8	-5.4	175.1	0.4
				Viento +Y exc.-	215.0	-0.8	7.7	-2.0	270.0	-0.5	388.9	4.7	-738.4	-8.4	224.8	-1.2
				Viento -Y exc.+	-146.5	0.2	-68.4	0.7	-209.5	-1.2	-282.0	-3.1	513.8	5.4	-175.1	-0.4
				Viento -Y exc.-	-215.0	0.8	-7.7	2.0	-270.0	0.5	-388.9	-4.7	738.4	8.4	-224.8	1.2
	P. cuarta +17.90	30.0	14.20/17.80	Peso propio	1827.9	-8.3	27.8	-6.6	2.7	-3.4	1675.4	3.9	-125.6	10.7	76.5	-8.1
				Cargas muertas	565.4	-1.6	55.2	-1.2	3.9	-1.8	535.6	-0.2	-13.1	4.3	36.6	-3.6
				H 1	-0.0	0.0	-0.3	0.0	-0.1	0.0	-0.1	0.0	0.0	-0.0	-0.1	0.0
				Sobrecarga de uso	632.9	-1.3	26.4	-1.2	-2.4	-0.8	605.9	-0.3	-17.4	3.5	24.9	-2.6
				Viento +X exc.+	8.4	16.5	-122.5	13.0	-9.2	5.3	49.7	-23.5	-19.1	1.7	-5.3	5.2
				Viento +X exc.-	5.9	16.5	-124.9	13.0	-14.2	5.4	43.8	-23.6	-8.4	1.9	-9.7	5.4
				Viento -X exc.+	-8.4	-16.5	122.5	-13.0	9.2	-5.3	-49.7	23.5	19.1	-1.7	5.3	-5.2
				Viento -X exc.-	-5.9	-16.5	124.9	-13.0	14.2	-5.4	-43.8	23.6	8.4	-1.9	9.7	-5.4
				Viento +Y exc.+	11.8	1.2	521.5	0.4	319.4	1.0	221.8	2.9	-319.0	-4.3	287.4	-0.4
				Viento +Y exc.-	34.3	0.9	613.7	-0.5	419.3	-0.9	311.9	3.5	-482.0	-6.9	377.4	-2.6
				Viento -Y exc.+	-11.8	-1.2	-521.5	-0.4	-319.4	-1.0	-221.8	-2.9	319.0	4.3	-287.4	0.4
				Viento -Y exc.-	-34.3	-0.9	-613.7	0.5	-419.3	0.9	-311.9	-3.5	482.0	6.9	-377.4	2.6
	P. tercera +14.30	30.0	10.60/14.20	Peso propio	2202.6	-12.7	-69.8	-7.1	-52.4	-7.8	1963.9	3.5	-58.6	3.3	22.6	-12.4
				Cargas muertas	643.8	-7.2	104.6	-3.0	14.8	-5.5	607.3	2.0	19.1	0.4	46.0	-6.7





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				H 1	-0.5	-0.0	0.8	-0.0	0.4	0.0	-0.1	0.0	-0.3	0.0	0.5	0.0
				Sobrecarga de uso	724.2	-4.9	29.6	-2.3	-1.7	-2.9	680.7	0.8	-9.2	0.9	26.3	-4.5
				Viento +X exc.+	43.1	12.3	-141.2	9.7	-14.1	4.4	55.7	-16.3	-46.9	3.3	-16.8	7.8
				Viento +X exc.-	41.2	12.6	-151.7	9.8	-19.1	4.5	51.5	-16.4	-43.7	3.5	-21.0	7.9
				Viento -X exc.+	-43.1	-12.3	141.2	-9.7	14.1	-4.4	-55.7	16.3	46.9	-3.3	16.8	-7.8
				Viento -X exc.-	-41.2	-12.6	151.7	-9.8	19.1	-4.5	-51.5	16.4	43.7	-3.5	21.0	-7.9
				Viento +Y exc.+	-188.4	1.1	1097.4	0.2	384.7	-0.2	65.5	4.6	116.1	-3.8	349.1	-1.0
				Viento +Y exc.-	-200.1	-3.2	1370.1	-1.8	490.1	-1.3	111.0	4.9	108.9	-7.4	442.1	-2.7
				Viento -Y exc.+	188.4	-1.1	-1097	-0.2	-384.7	0.2	-65.5	-4.6	-116.1	3.8	-349.1	1.0
				Viento -Y exc.-	200.1	3.2	-1370	1.8	-490.1	1.3	-111.0	-4.9	-108.9	7.4	-442.1	2.7
	P. segunda +10.70	30.0	5.25/10.60	Peso propio	2382.0	-30.3	-85.5	-11.3	19.0	-3.1	2368.2	12.7	-215.7	-0.7	112.4	-14.7
				Cargas muertas	741.6	-9.4	-11.6	-4.0	-24.2	-1.8	727.6	5.7	30.0	0.2	16.1	-6.1
				H 1	0.5	0.0	-1.7	0.0	-0.6	-0.0	-0.4	0.0	0.9	-0.0	-0.9	0.0
				Sobrecarga de uso	771.9	-7.6	-34.1	-3.2	-8.8	-1.0	787.1	3.5	-21.7	0.4	22.7	-4.7
				Viento +X exc.+	-143.4	29.8	59.2	10.2	101.3	1.0	69.8	-26.3	-86.5	7.9	104.5	4.7
				Viento +X exc.-	-128.9	29.4	23.4	10.1	90.0	1.0	67.4	-25.8	-88.7	7.8	92.7	4.9
				Viento -X exc.+	143.4	-29.8	-59.2	-10.2	-101.3	-1.0	-69.8	26.3	86.5	-7.9	-104.5	-4.7
				Viento -X exc.-	128.9	-29.4	-23.4	-10.1	-90.0	-1.0	-67.4	25.8	88.7	-7.8	-92.7	-4.9
				Viento +Y exc.+	-702.1	-8.9	2139.9	-7.3	438.4	5.3	-591.9	11.6	591.9	-3.4	460.9	-4.9
				Viento +Y exc.-	-947.0	-2.8	2741.6	-6.9	597.0	4.9	-149.2	4.0	735.8	-1.6	627.8	-8.4
	P. primera +5.35	30.0	-0.10/5.25	Viento -Y exc.+	702.1	8.9	-2140	7.3	-438.4	-5.3	150.8	-11.6	-591.9	3.4	-460.9	4.9
				Viento -Y exc.-	947.0	2.8	-2742	6.9	-597.0	-4.9	149.2	-4.0	-735.8	1.6	-627.8	8.4
				Peso propio	2388.9	-25.5	325.1	-14.3	164.0	-2.2	2504.3	23.9	-295.2	11.3	270.8	-20.1
				Cargas muertas	764.5	-12.9	119.2	-4.1	50.7	-0.9	799.6	8.5	-122.1	2.9	83.8	-6.7
				H 1	-2.5	-0.2	-3.2	-0.3	-1.2	0.4	0.2	0.1	-2.0	0.0	1.1	-0.0
				Sobrecarga de uso	745.2	-6.2	84.3	-3.3	46.4	-0.6	808.4	4.5	-93.6	4.0	83.4	-6.1
				Viento +X exc.+	-310.1	29.0	150.8	9.4	61.5	-1.1	-129.4	-11.8	91.8	-3.6	77.8	6.3
				Viento +X exc.-	-278.1	28.5	94.3	9.5	52.6	-1.2	-115.3	-11.6	60.6	-3.4	67.6	6.2
				Viento -X exc.+	310.1	-29.0	-150.8	-9.4	-61.5	1.1	129.4	11.8	-91.8	3.6	-77.8	-6.3
				Viento -X exc.-	278.1	-28.5	-94.3	-9.5	-52.6	1.2	115.3	11.6	-60.6	3.4	-67.6	-6.2
	P. Baja +0.00	30.0	-3.60/-0.10	Viento +Y exc.+	-1453	-10.0	3170.1	-10.5	417.4	12.4	-693.9	2.5	1835.5	-4.7	468.4	0.7
				Viento +Y exc.-	-1921	-4.0	4013.3	-11.4	527.2	14.4	-928.0	0.4	2372.2	-8.1	597.8	2.4
				Viento -Y exc.+	1453.5	10.0	-3170	10.5	-417.4	-12.4	693.9	-2.5	-1835	4.7	-468.4	-0.7
				Viento -Y exc.-	1920.8	4.0	-4013	11.4	-527.2	-14.4	928.0	-0.4	-2372	8.1	-597.8	-2.4
				Peso propio	2967.1	-14.1	107.6	-19.8	-153.2	6.2	2556.9	12.7	229.2	9.7	-31.8	-12.2
				Cargas muertas	978.1	-9.6	31.7	-11.9	-40.8	2.1	857.7	11.2	17.9	5.1	6.8	-5.2
				H 1	-3.9	0.0	1.7	0.1	3.6	-0.0	-0.3	0.2	-2.1	-0.3	-0.6	0.4
				Sobrecarga de uso	894.7	-3.8	25.3	-5.6	-43.9	2.2	794.7	2.9	52.7	3.1	-3.6	-3.7
				Viento +X exc.+	-88.8	-9.9	143.6	-11.3	-119.4	5.2	-267.6	21.5	208.1	-14.5	-109.8	7.0
				Viento +X exc.-	-79.8	-9.7	122.6	-11.1	-97.2	4.9	-240.9	21.0	146.4	-14.1	-89.5	6.7
	P. cubierta +32.30	30.0	28.60/32.20	Viento -X exc.+	88.8	9.9	-143.6	11.3	119.4	-5.2	267.6	-21.5	-208.1	14.5	109.8	-7.0
				Viento -X exc.-	79.8	9.7	-122.6	11.1	97.2	-4.9	240.9	-21.0	-146.4	14.1	89.5	-6.7
				Viento +Y exc.+	-513.4	2.1	1260.7	-1.6	-1041	6.7	-1219	-3.2	3370.0	-2.2	-951.5	4.6
				Viento +Y exc.-	-639.3	-0.7	1573.1	-5.8	-1371	10.5	-1608	2.9	4291.1	-7.5	-1255	8.6
				Viento -Y exc.+	513.4	-2.1	-1261	1.6	1040.8	-6.7	1219.5	3.2	-3370	2.2	951.5	-4.6
				Viento -Y exc.-	639.3	0.7	-1573	5.8	1371.3	-10.5	1607.9	-2.9	-4291	7.5	1255.2	-8.6
				Peso propio	467.6	12.0	222.7	4.4	-16.7	-2.1	197.8	-1.7	-57.9	-4.0	55.0	-1.7
				Cargas muertas	167.6	4.0	35.8	1.5	-34.5	0.7	67.2	-1.9	-4.3	-1.0	-9.5	0.1
				H 1	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0
				Sobrecarga de uso	235.8	7.7	165.9	8.0	-15.5	-0.7	121.8	-7.8	-12.0	-4.8	65.4	1.8
	P. séptima +28.70	30.0	25.00/28.60	Viento +X exc.+	-3.6	7.5	13.2	4.7	5.2	2.1	-18.3	-10.8	-37.8	2.9	3.8	2.5
				Viento +X exc.-	-4.4	7.5	14.5	4.7	5.0	2.2	-19.1	-10.8	-34.9	2.9	3.9	2.5
				Viento -X exc.+	3.6	-7.5	-13.2	-4.7	-5.2	-2.1	18.3	10.8	37.8	-2.9	-3.8	-2.5
				Viento -X exc.-	4.4	-7.5	-14.5	-4.7	-5.0	-2.2	19.1	10.8	34.9	-2.9	-3.9	-2.5
				Viento +Y exc.+	160.8	2.3	-429.8	5.2	-113.7	1.0	117.2	-7.3	-207.5	5.3	-125.0	0.4
				Viento +Y exc.-	172.5	3.0	-449.2	5.7	-108.0	-0.4	131.2	-8.4	-261.1	5.6	-124.3	-0.8
				Viento -Y exc.+	-160.8	-2.3	429.8	-5.2	113.7	-1.0	-117.2	7.3	207.5	-5.3	125.0	-0.4
				Viento -Y exc.-	-172.5	-3.0	449.2	-5.7	108.0	0.4	-131.2	8.4	261.1	-5.6	124.3	0.8
				Peso propio	800.6	14.8	96.0	7.6	-27.5	8.2	630.1	-9.4	27.1	-9.5	57.4	17.6
				Cargas muertas	251.9	4.0	42.6	1.5	20.3	4.0	232.9	-1.2	-68.9	-4.7	60.1	8.4
	P. sexta +25.10	30.0	21.40/25.00	H 1	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	-0.0
				Sobrecarga de uso	327.3	2.0	78.7	0.1	-16.0	2.3	302.9	2.8	86.5	-5.3	17.2	6.5
				Viento +X exc.+	-8.2	8.6	8.2	6.4	2.3	3.3	-21.6	-14.4	-29.0	1.8	-0.8	3.6
				Viento +X exc.-	-9.5	8.6	10.0	6.5	1.8	3.3	-23.2	-14.4	-25.4	1.8	-0.9	3.6
				Viento -X exc.+	8.2	-8.6	-8.2	-6.4	-2.3	-3.3	21.6	14.4	29.0	-1.8	0.8	-3.6
				Viento -X exc.-	9.5	-8.6	-10.0	-6.5	-1.8	-3.3	23.2	14.4	25.4	-1.8	0.9	-3.6
				Viento +Y exc.+	312.4	1.4	-648.3	3.4	-37.9	-1.7	280.3	-5.0	-633.6	9.9	-86.3	-4.0
				Viento +Y exc.-	332.3	1.5	-672.3	3.2	-28.3	-2.9	306.5	-5.3	-692.2	10.3	-83.7	-5.3
				Viento -Y exc.+	-312.4	-1.4	648.3	-3.4	37.9	1.7	-280.3	5.0	633.6	-9.9	86.3	4.0
				Viento -Y exc.-	-332.3	-1.5	672.3	-3.2	28.3	2.9	-306.5	5.3	692.2	-10.3	83.7	5.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza						
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
				Viento +X exc.+	8.8	15.0	15.2	10.6	-4.3	3.7	-32.2	-21.7	-49.1	4.1	-7.0	3.6	
				Viento +X exc.-	7.1	15.0	16.6	10.6	-5.1	3.8	-34.2	-21.7	-44.7	4.1	-7.5	3.7	
				Viento -X exc.+	-8.8	-15.0	-15.2	-10.6	4.3	-3.7	32.2	21.7	49.1	-4.1	7.0	-3.6	
				Viento -X exc.-	-7.1	-15.0	-16.6	-10.6	5.1	-3.8	34.2	21.7	44.7	-4.1	7.5	-3.7	
				Viento +Y exc.+	280.4	0.9	-424.3	2.2	180.1	2.4	398.6	-4.3	-930.8	7.3	138.2	3.1	
				Viento +Y exc.-	305.0	1.1	-438.1	2.0	196.1	1.0	430.0	-4.9	-1001	7.6	148.8	2.0	
				Viento -Y exc.+	-280.4	-0.9	424.3	-2.2	-180.1	-2.4	-398.6	4.3	930.8	-7.3	-138.2	-3.1	
				Viento -Y exc.-	-305.0	-1.1	438.1	-2.0	-196.1	-1.0	-430.0	4.9	1000.7	-7.6	-148.8	-2.0	
	P. quinta +21.50	30.0	17.80/21.40	Peso propio	1455.6	18.2	31.7	9.3	-12.8	5.8	1287.0	-10.4	-76.7	-6.2	48.8	10.2	
				Cargas muertas	434.5	5.6	83.4	2.4	26.0	3.1	416.2	-2.4	-40.7	-2.6	53.2	4.9	
				H 1	-0.1	0.0	-0.1	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0		
				Sobrecarga de uso	509.9	4.2	36.0	2.1	-5.5	1.6	480.1	-1.5	1.4	-2.2	18.2	3.3	
				Viento +X exc.+	16.9	18.0	10.4	11.8	-2.3	4.8	-18.1	-22.4	-50.5	3.2	-5.6	5.3	
				Viento +X exc.-	15.8	18.0	9.7	11.8	-4.1	4.9	-20.4	-22.4	-46.1	3.2	-7.1	5.4	
				Viento -X exc.+	-16.9	-18.0	-10.4	-11.8	2.3	-4.8	18.1	22.4	50.5	-3.2	5.6	-5.3	
				Viento -X exc.-	-15.8	-18.0	-9.7	-11.8	4.1	-4.9	20.4	22.4	46.1	-3.2	7.1	-5.4	
				Viento +Y exc.+	224.0	1.6	-146.9	2.9	221.9	2.7	367.1	-5.4	-744.8	9.2	176.6	2.7	
				Viento +Y exc.-	236.5	1.3	-119.0	2.3	255.7	1.3	401.0	-5.5	-809.4	9.0	204.4	1.7	
	P. cuarta +17.90	30.0	14.20/17.80	Viento -Y exc.+	-224.0	-1.6	146.9	-2.9	-221.9	-2.7	-367.1	5.4	744.8	-9.2	-176.6	-2.7	
				Viento -Y exc.-	-236.5	-1.3	119.0	-2.3	-255.7	-1.3	-401.0	5.5	809.4	-9.0	-204.4	-1.7	
	P. tercera +14.30	30.0	10.60/14.20	Peso propio	1750.5	8.4	42.0	7.4	6.6	3.9	1604.6	-6.3	-110.2	-11.1	74.8	9.1	
				Cargas muertas	522.4	1.9	84.4	1.7	9.9	2.0	497.8	-1.0	5.3	-4.3	40.0	4.1	
				H 1	0.1	0.0	-0.4	-0.0	-0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.2	-0.0	
				Sobrecarga de uso	590.6	1.4	25.2	1.4	-1.7	1.1	564.8	-0.4	-15.5	-3.6	22.7	2.9	
				Viento +X exc.+	32.7	16.6	29.3	13.2	1.9	4.9	-12.3	-23.8	-61.9	2.0	-3.2	4.9	
				Viento +X exc.-	33.2	16.6	24.0	13.2	-1.2	5.0	-13.8	-23.7	-59.3	2.0	-5.9	4.9	
				Viento -X exc.+	-32.7	-16.6	-29.3	-13.2	-1.9	-4.9	12.3	23.8	61.9	-2.0	3.2	-4.9	
				Viento -X exc.-	-33.2	-16.6	-24.0	-13.2	1.2	-5.0	13.8	23.7	59.3	-2.0	5.9	-4.9	
				Viento +Y exc.+	47.4	1.2	410.1	2.3	361.8	3.2	293.6	-3.8	-516.4	8.2	321.7	4.6	
				Viento +Y exc.-	33.0	0.8	517.5	1.5	414.1	1.9	312.0	-4.3	-545.8	7.9	368.2	3.6	
		P. segunda +10.70	30.0	5.25/10.60	Viento -Y exc.+	-47.4	-1.2	-410.1	-2.3	-361.8	-3.2	-293.6	3.8	516.4	-8.2	-321.7	-4.6
					Viento -Y exc.-	-33.0	-0.8	-517.5	-1.5	-414.1	-1.9	-312.0	4.3	545.8	-7.9	-368.2	-3.6
		P. segunda +10.70	30.0	5.25/10.60	Peso propio	2144.0	17.8	-137.7	8.8	-115.8	7.9	1860.5	-3.6	21.1	-1.5	-41.8	12.1
					Cargas muertas	605.0	6.9	81.3	2.5	-19.7	4.8	548.9	-0.5	84.2	-0.6	11.3	5.8
					H 1	-0.7	0.0	1.2	0.0	0.7	-0.0	-0.1	0.0	-0.5	-0.0	0.7	0.0
					Sobrecarga de uso	673.5	5.2	25.7	2.2	-11.1	2.8	625.8	-0.0	13.0	-0.9	15.9	4.3
					Viento +X exc.+	13.1	12.5	30.3	9.8	11.7	4.5	-7.8	-16.9	-60.3	3.7	7.8	7.5
					Viento +X exc.-	17.3	12.7	18.0	9.9	7.1	4.5	-7.1	-16.8	-61.6	3.8	3.6	7.5
Viento -X exc.+					-13.1	-12.5	-30.3	-9.8	-11.7	-4.5	7.8	16.9	60.3	-3.7	-7.8	-7.5	
Viento -X exc.-					-17.3	-12.7	-18.0	-9.9	-7.1	-4.5	7.1	16.8	61.6	-3.8	-3.6	-7.5	
Viento +Y exc.+					-98.1	6.6	1007.5	3.5	369.1	0.9	113.5	-3.6	46.8	9.7	315.0	2.4	
Viento +Y exc.-					-173.3	3.5	1231.6	2.0	445.1	0.2	95.8	-4.8	87.2	8.6	385.8	1.6	
		P. primera +5.35	30.0	-0.10/5.25	Viento -Y exc.+	98.1	-6.6	-1007	-3.5	-369.1	-0.9	-113.5	3.6	-46.8	-9.7	-315.0	-2.4
					Viento -Y exc.-	173.3	-3.5	-1232	-2.0	-445.1	-0.2	-95.8	4.8	-87.2	-8.6	-385.8	-1.6
		P. segunda +10.70	30.0	5.25/10.60	Peso propio	2299.2	36.7	-59.3	14.5	52.8	5.7	2307.8	-21.0	-354.1	3.0	144.4	18.8
					Cargas muertas	702.4	13.2	6.0	5.5	-14.6	2.7	688.4	-8.9	-13.5	1.2	25.6	7.1
					H 1	1.6	0.0	-1.9	-0.0	-1.0	0.0	-0.4	-0.0	1.6	0.0	-1.4	-0.0
					Sobrecarga de uso	724.0	9.3	-25.4	3.9	-4.8	1.6	735.9	-5.5	-42.2	0.3	25.8	5.4
					Viento +X exc.+	87.8	30.8	77.6	10.5	-15.1	1.6	-21.6	-26.7	-71.0	7.9	-18.4	6.2
					Viento +X exc.-	93.1	30.4	58.0	10.4	-17.6	1.8	-17.7	-26.2	-78.0	7.8	-21.1	6.2
	Viento -X exc.+				-87.8	-30.8	-77.6	-10.5	15.1	-1.6	21.6	26.7	71.0	-7.9	18.4	-6.2	
	Viento -X exc.-				-93.1	-30.4	-58.0	-10.4	17.6	-1.8	17.7	26.2	78.0	-7.8	21.1	-6.2	
	Viento +Y exc.+				-991.3	-8.3	2551.2	2.7	665.3	-1.8	-52.2	12.8	421.5	-3.0	701.2	10.7	
	Viento +Y exc.-				-1084	-1.7	2885.0	5.2	703.1	-3.7	-122.4	5.1	562.4	-0.8	742.6	10.2	
		P. primera +5.35	30.0	-0.10/5.25	Viento -Y exc.+	991.3	8.3	-2551	-2.7	-665.3	1.8	52.2	-12.8	-421.5	3.0	-701.2	-10.7
					Viento -Y exc.-	1084.3	1.7	-2885	-5.2	-703.1	3.7	122.4	-5.1	-562.4	0.8	-742.6	-10.2
		P. primera +5.35	30.0	-0.10/5.25	Peso propio	2276.5	24.4	400.1	14.8	199.2	1.9	2433.1	-25.7	-358.3	-11.3	304.8	22.8
					Cargas muertas	711.3	10.4	152.2	3.8	68.0	0.3	766.0	-9.2	-149.1	-3.3	97.7	8.1
					H 1	-3.5	-0.1	-3.7	0.2	-0.6	-0.4	1.1	0.2	-2.2	-0.1	1.8	0.0
					Sobrecarga de uso	690.6	5.9	105.0	3.4	56.8	0.7	765.2	-5.3	-114.2	-3.9	93.0	6.8
					Viento +X exc.+	134.5	29.7	175.6	10.7	9.8	-1.8	70.6	-13.0	6.9	-2.8	-0.7	7.2
					Viento +X exc.-	146.2	29.2	144.0	10.5	5.5	-1.6	75.9	-12.8	-8.4	-2.8	-5.4	7.1
Viento -X exc.+					-134.5	-29.7	-175.6	-10.7	-9.8	1.8	-70.6	13.0	-6.9	2.8	0.7	-7.2	
Viento -X exc.-					-146.2	-29.2	-144.0	-10.5	-5.5	1.6	-75.9	12.8	8.4	2.8	5.4	-7.1	
Viento +Y exc.+					-1898	-6.7	3689.5	8.5	501.1	-10.8	-933.0	1.6	2150.2	10.0	581.5	-2.5	
Viento +Y exc.-					-2079	0.0	4173.0	11.5	557.6	-13.5	-1025	-0.9	2418.8	9.6	644.8	-1.4	
		P. Baja +0.00	30.0	-3.60/-0.10	Viento -Y exc.+	1897.8	6.7	-3689	-8.5	-501.1	10.8	933.0	-1.6	-2150	-10.0	-581.5	2.5
					Viento -Y exc.-	2078.7	-0.0	-4173	-11.5	-557.6	13.5	1025.1	0.9	-2419	-9.6	-644.8	1.4
		P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	2852.7	10.0	128.8	15.7	-181.7	-8.3	2435.3	-4.8	320.8	-12.7	-58.1	9.1
					Cargas muertas	937.2	5.0	34.5	7.5	-54.5	-3.8	818.5	-2.6	62.1	-8.6	-2.0	2.3
					H 1	-4.9	-0.1	2.5	-0.1	4.0	0.0	-1.3	-0.2	-2.4	0.3	-0.3	-0.5
					Sobrecarga de uso	837.4	2.7	31.7	4.4	-50.7	-2.7	737.7	-0.8	76.5	-3.9	-10.2	2.8
					Viento +X exc.+	21.6	-9.9	-29.3	-10.9	1.9	4.4	117.6	21.3	140.0	-13.9	1.8	6.3
					Viento +X exc.-	25.8	-9.7	-39.3	-10.8	11.9	4.4	127.4	21.0	107.0	-13.7	11.0	6.6
	Viento -X exc.+				-21.6	9.9	29.3	10.9	-1.9	-4.4	-117.6	-21.3	-140.0	13.9	-1.8	-6.3	
	Viento -X exc.-				-25.8	9.7	39.3	10.8	-11.9	-4.4	-127.4	-21.0	-107.0	13.7	-11.0	-6.6	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoies

Fecha: 20/06/23

Soporte	Planta	Dimensión (cm)	Tramo (m)	Hipótesis	Base						Cabeza					
					N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
				Viento -X exc.+	-21.6	9.9	29.3	10.9	-1.9	-4.4	-117.6	-21.3	-140.0	13.9	-1.8	-6.3
				Viento -X exc.-	-25.8	9.7	39.3	10.8	-11.9	-4.4	-127.4	-21.0	-107.0	13.7	-11.0	-6.3
				Viento +Y exc.+	-632.9	5.2	1476.4	10.1	-1293	-12.1	-1590	-11.4	3955.5	12.7	-1185	-10.9
				Viento +Y exc.-	-694.9	3.0	1630.2	8.3	-1449	-12.1	-1740	-6.9	4461.6	10.4	-1327	-10.3
				Viento -Y exc.+	632.9	-5.2	-1476	-10.1	1293.4	12.1	1590.4	11.4	-3955	-12.7	1184.5	10.9
				Viento -Y exc.-	694.9	-3.0	-1630	-8.3	1449.3	12.1	1739.6	6.9	-4462	-10.4	1327.5	10.3
M16	P. Baja +0.00	30.0	-3.60/-0.10	Peso propio	303.3	-194.3	-5.3	71.8	-3.9	-1.5	70.4	-1.7	29.7	-20.3	-21.6	-9.4
				Cargas muertas	148.0	-143.3	-9.3	43.3	-7.6	-1.4	85.7	-6.8	42.5	-7.9	-31.9	-9.8
				H 1	19.1	-6.1	100.1	-170.9	211.9	6.1	16.1	-54.0	35.9	111.5	-67.8	-8.6
				Sobrecarga de uso	53.6	-66.2	-1.4	23.7	-1.1	0.0	19.0	-1.3	7.5	-7.0	-5.3	-3.4
				Viento +X exc.+	4.6	45.8	-0.5	50.8	-0.5	0.1	1.7	-23.7	1.4	55.7	-1.3	1.3
				Viento +X exc.-	4.2	45.2	-0.5	50.4	-0.5	0.1	1.6	-23.1	1.3	55.2	-1.2	1.3
				Viento -X exc.+	-4.6	-45.8	0.5	-50.8	0.5	-0.1	-1.7	23.7	-1.4	-55.7	1.3	-1.3
				Viento -X exc.-	-4.2	-45.2	0.5	-50.4	0.5	-0.1	-1.6	23.1	-1.3	-55.2	1.2	-1.3
				Viento +Y exc.+	-35.3	-27.9	8.6	15.5	10.4	-4.3	0.1	36.1	-5.5	13.8	8.9	10.2
				Viento +Y exc.-	-29.9	-19.3	7.8	21.8	9.6	-4.7	0.5	28.1	-4.6	20.4	7.6	9.6
				Viento -Y exc.+	35.3	27.9	-8.6	-15.5	-10.4	4.3	-0.1	-36.1	5.5	-13.8	-8.9	-10.2
				Viento -Y exc.-	29.9	19.3	-7.8	-21.8	-9.6	4.7	-0.5	-28.1	4.6	-20.4	-7.6	-9.6

## 4. ARRANQUES DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS

### ■ Nota:

Los esfuerzos están referidos a ejes locales del pilar.

Los esfuerzos de pantallas y muros son en ejes generales y referidos al centro de gravedad de la pantalla o muro en la planta.

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1	Peso propio	436.8	2.7	0.2	10.4	1.0	-0.1
	Cargas muertas	360.5	2.8	-1.8	9.2	-5.0	-0.0
	H 1	-19.0	2.6	-3.0	5.1	-6.2	-0.1
	Sobrecarga de uso	135.4	1.0	-0.1	3.5	-0.3	-0.0
	Viento +X exc.+	-13.9	0.3	0.4	1.6	1.7	-0.1
	Viento +X exc.-	-15.7	0.3	0.3	1.5	1.5	-0.1
	Viento -X exc.+	13.9	-0.3	-0.4	-1.6	-1.7	0.1
	Viento -X exc.-	15.7	-0.3	-0.3	-1.5	-1.5	0.1
	Viento +Y exc.+	147.6	1.3	10.8	12.4	31.3	-0.1
	Viento +Y exc.-	175.9	1.7	12.0	14.8	35.0	-0.2
	Viento -Y exc.+	-147.6	-1.3	-10.8	-12.4	-31.3	0.1
	Viento -Y exc.-	-175.9	-1.7	-12.0	-14.8	-35.0	0.2
P2	Peso propio	494.1	-0.1	39.3	-0.6	43.6	0.0
	Cargas muertas	341.5	-0.1	28.3	-0.5	31.6	0.0
	H 1	71.1	-0.3	-43.1	-1.2	-56.5	-0.1
	Sobrecarga de uso	171.3	-0.1	14.0	-0.3	15.7	0.0
	Viento +X exc.+	4.9	1.0	-0.8	4.5	-0.8	-0.0
	Viento +X exc.-	3.4	0.9	-0.6	4.3	-0.6	-0.0
	Viento -X exc.+	-4.9	-1.0	0.8	-4.5	0.8	0.0
	Viento -X exc.-	-3.4	-0.9	0.6	-4.3	0.6	0.0
	Viento +Y exc.+	7.1	0.7	3.3	3.2	0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P3	Viento +Y exc.-	30.0	1.1	0.9	5.3	-1.8	0.0
	Viento -Y exc.+	-7.1	-0.7	-3.3	-3.2	-0.6	-0.0
	Viento -Y exc.-	-30.0	-1.1	-0.9	-5.3	1.8	-0.0
	Peso propio	485.2	-0.0	39.5	0.0	42.4	-0.0
	Cargas muertas	342.4	-0.1	28.5	-0.4	30.9	-0.0
	H 1	72.5	0.2	-42.2	-0.3	-53.9	0.1
	Sobrecarga de uso	166.1	-0.0	14.1	-0.1	15.2	0.0
	Viento +X exc.+	3.1	1.0	-0.6	4.6	-0.6	-0.0
	Viento +X exc.-	2.0	1.0	-0.5	4.4	-0.5	-0.0
	Viento -X exc.+	-3.1	-1.0	0.6	-4.6	0.6	0.0
	Viento -X exc.-	-2.0	-1.0	0.5	-4.4	0.5	0.0
	Viento +Y exc.+	12.2	0.6	2.4	2.9	-0.2	0.0
	Viento +Y exc.-	30.2	1.1	0.6	5.0	-2.0	0.0
	Viento -Y exc.+	-12.2	-0.6	-2.4	-2.9	0.2	-0.0
	Viento -Y exc.-	-30.2	-1.1	-0.6	-5.0	2.0	0.0
P4	Peso propio	493.6	-0.0	39.4	-0.4	44.0	0.0
	Cargas muertas	348.2	-0.2	27.7	-0.7	31.4	-0.0
	H 1	72.5	-0.1	-43.6	-0.5	-57.8	0.0
	Sobrecarga de uso	170.4	-0.0	14.0	-0.2	15.8	0.0
	Viento +X exc.+	2.8	1.0	-0.5	4.5	-0.5	-0.0
	Viento +X exc.-	1.9	0.9	-0.4	4.4	-0.4	-0.0
	Viento -X exc.+	-2.8	-1.0	0.5	-4.5	0.5	0.0
	Viento -X exc.-	-1.9	-0.9	0.4	-4.4	0.4	0.0
	Viento +Y exc.+	20.2	0.6	1.0	2.8	-1.4	0.0
	Viento +Y exc.-	34.5	1.1	-0.5	4.9	-3.0	0.0
	Viento -Y exc.+	-20.2	-0.6	-1.0	-2.8	1.4	-0.0
	Viento -Y exc.-	-34.5	-1.1	0.5	-4.9	3.0	-0.0
P5	Peso propio	477.7	-0.1	39.4	-0.5	41.3	0.0
	Cargas muertas	342.2	-0.1	27.1	-0.7	29.0	0.0
	H 1	70.4	-0.3	-40.1	-1.2	-50.0	-0.1
	Sobrecarga de uso	163.3	-0.0	14.1	-0.3	14.9	0.0
	Viento +X exc.+	2.4	1.0	-0.2	4.6	-0.2	-0.0
	Viento +X exc.-	1.5	1.0	-0.2	4.4	-0.2	-0.0
	Viento -X exc.+	-2.4	-1.0	0.2	-4.6	0.2	0.0
	Viento -X exc.-	-1.5	-1.0	0.2	-4.4	0.2	0.0
	Viento +Y exc.+	45.1	0.6	1.5	2.9	-0.6	0.0
	Viento +Y exc.-	59.7	1.1	1.0	4.9	-1.1	0.0
	Viento -Y exc.+	-45.1	-0.6	-1.5	-2.9	0.6	-0.0
	Viento -Y exc.-	-59.7	-1.1	-1.0	-4.9	1.1	-0.0
P6	Peso propio	471.7	-0.1	39.4	-0.6	43.5	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	339.4	-0.2	27.3	-0.7	30.7	-0.0
	H 1	70.8	0.1	-43.0	-0.1	-56.4	0.1
	Sobrecarga de uso	161.1	-0.1	14.2	-0.3	15.8	-0.0
	Viento +X exc.+	-0.4	1.0	-0.1	4.6	-0.2	-0.0
	Viento +X exc.-	-0.9	0.9	-0.1	4.4	-0.2	-0.0
	Viento -X exc.+	0.4	-1.0	0.1	-4.6	0.2	0.0
	Viento -X exc.-	0.9	-0.9	0.1	-4.4	0.2	0.0
	Viento +Y exc.+	52.3	0.6	0.7	3.0	-1.1	-0.0
	Viento +Y exc.-	59.9	1.1	0.6	5.0	-1.3	-0.0
	Viento -Y exc.+	-52.3	-0.6	-0.7	-3.0	1.1	0.0
	Viento -Y exc.-	-59.9	-1.1	-0.6	-5.0	1.3	0.0
P7	Peso propio	523.7	-0.1	40.4	-0.4	44.3	-0.0
	Cargas muertas	354.5	-0.1	27.7	-0.5	30.7	0.0
	H 1	71.5	-0.2	-42.3	-0.8	-54.7	0.0
	Sobrecarga de uso	175.4	-0.0	14.4	-0.2	15.9	-0.0
	Viento +X exc.+	2.7	1.0	0.2	4.6	0.2	-0.0
	Viento +X exc.-	2.6	1.0	0.2	4.4	0.2	-0.0
	Viento -X exc.+	-2.7	-1.0	-0.2	-4.6	-0.2	0.0
	Viento -X exc.-	-2.6	-1.0	-0.2	-4.4	-0.2	0.0
	Viento +Y exc.+	37.5	0.6	-1.8	2.9	-3.6	0.0
	Viento +Y exc.-	38.9	1.1	-1.4	5.0	-3.5	0.0
	Viento -Y exc.+	-37.5	-0.6	1.8	-2.9	3.6	-0.0
	Viento -Y exc.-	-38.9	-1.1	1.4	-5.0	3.5	0.0
P8	Peso propio	480.3	0.1	38.6	0.1	41.4	0.0
	Cargas muertas	339.3	-0.0	29.5	-0.3	31.7	0.0
	H 1	73.5	-0.2	-42.0	-0.9	-52.9	-0.0
	Sobrecarga de uso	164.9	0.0	14.0	-0.1	15.0	0.0
	Viento +X exc.+	-3.9	1.0	0.2	4.5	0.1	-0.0
	Viento +X exc.-	-3.6	1.0	0.1	4.4	0.1	-0.0
	Viento -X exc.+	3.9	-1.0	-0.2	-4.5	-0.1	0.0
	Viento -X exc.-	3.6	-1.0	-0.1	-4.4	-0.1	0.0
	Viento +Y exc.+	44.4	0.7	-3.2	2.9	-4.9	0.0
	Viento +Y exc.-	40.0	1.1	-2.4	4.9	-4.3	0.0
	Viento -Y exc.+	-44.4	-0.7	3.2	-2.9	4.9	-0.0
	Viento -Y exc.-	-40.0	-1.1	2.4	-4.9	4.3	-0.0
P9	Peso propio	483.5	-0.1	38.8	-0.4	43.4	0.0
	Cargas muertas	345.6	-0.2	29.1	-0.7	32.8	0.0
	H 1	73.5	-0.2	-44.3	-0.8	-58.4	0.0
	Sobrecarga de uso	168.4	-0.1	14.2	-0.2	16.0	0.0
	Viento +X exc.+	-1.9	1.0	0.5	4.5	0.5	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-1.3	0.9	0.4	4.4	0.4	-0.0
	Viento -X exc.+	1.9	-1.0	-0.5	-4.5	-0.5	0.0
	Viento -X exc.-	1.3	-0.9	-0.4	-4.4	-0.4	0.0
	Viento +Y exc.+	48.8	0.6	-4.3	2.9	-5.9	0.0
	Viento +Y exc.-	40.8	1.1	-2.8	5.0	-4.7	0.0
	Viento -Y exc.+	-48.8	-0.6	4.3	-2.9	5.9	-0.0
	Viento -Y exc.-	-40.8	-1.1	2.8	-5.0	4.7	-0.0
P10	Peso propio	488.5	-0.2	37.5	-0.7	41.3	-0.0
	Cargas muertas	347.4	-0.3	28.8	-0.9	31.7	-0.0
	H 1	70.7	-0.2	-41.9	-0.3	-54.0	0.0
	Sobrecarga de uso	169.2	-0.1	13.7	-0.3	15.1	-0.0
	Viento +X exc.+	-2.4	1.0	0.8	4.5	0.7	-0.0
	Viento +X exc.-	-1.6	0.9	0.6	4.4	0.5	-0.0
	Viento -X exc.+	2.4	-1.0	-0.8	-4.5	-0.7	0.0
	Viento -X exc.-	1.6	-0.9	-0.6	-4.4	-0.5	0.0
	Viento +Y exc.+	55.3	0.6	-5.2	3.0	-6.5	0.0
	Viento +Y exc.-	42.8	1.1	-3.1	5.0	-4.8	0.0
	Viento -Y exc.+	-55.3	-0.6	5.2	-3.0	6.5	-0.0
	Viento -Y exc.-	-42.8	-1.1	3.1	-5.0	4.8	-0.0
P11	Peso propio	484.8	-0.2	38.0	-0.9	41.2	-0.0
	Cargas muertas	345.2	-0.3	29.3	-1.1	31.9	-0.0
	H 1	71.3	-0.5	-42.1	-1.6	-54.0	-0.1
	Sobrecarga de uso	168.4	-0.1	13.9	-0.4	15.1	-0.0
	Viento +X exc.+	-3.3	1.0	1.0	4.5	0.8	-0.0
	Viento +X exc.-	-2.3	0.9	0.8	4.4	0.7	-0.0
	Viento -X exc.+	3.3	-1.0	-1.0	-4.5	-0.8	0.0
	Viento -X exc.-	2.3	-0.9	-0.8	-4.4	-0.7	0.0
	Viento +Y exc.+	59.7	0.6	-6.4	3.0	-7.4	0.0
	Viento +Y exc.-	43.2	1.1	-3.7	5.0	-5.2	0.0
	Viento -Y exc.+	-59.7	-0.6	6.4	-3.0	7.4	-0.0
	Viento -Y exc.-	-43.2	-1.1	3.7	-5.0	5.2	-0.0
P12	Peso propio	486.0	-0.3	38.1	-1.0	42.3	-0.1
	Cargas muertas	346.0	-0.3	29.7	-1.2	32.9	-0.0
	H 1	72.8	-0.0	-43.9	-0.1	-57.8	0.1
	Sobrecarga de uso	168.4	-0.1	14.0	-0.4	15.6	-0.0
	Viento +X exc.+	-3.7	1.0	1.2	4.5	1.1	-0.0
	Viento +X exc.-	-2.4	0.9	0.9	4.4	0.8	-0.0
	Viento -X exc.+	3.7	-1.0	-1.2	-4.5	-1.1	0.0
	Viento -X exc.-	2.4	-0.9	-0.9	-4.4	-0.8	0.0
	Viento +Y exc.+	67.6	0.6	-7.4	3.0	-8.3	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P13	Viento +Y exc.-	46.5	1.1	-4.1	5.0	-5.5	0.0
	Viento -Y exc.+	-67.6	-0.6	7.4	-3.0	8.3	-0.0
	Viento -Y exc.-	-46.5	-1.1	4.1	-5.0	5.5	-0.0
	Peso propio	488.3	-0.2	38.0	-0.6	42.3	-0.0
	Cargas muertas	345.4	-0.3	29.9	-0.9	33.3	-0.1
	H 1	70.2	0.1	-42.6	-0.1	-55.6	0.1
	Sobrecarga de uso	168.7	-0.1	13.9	-0.3	15.5	-0.0
	Viento +X exc.+	-4.8	1.0	1.3	4.6	1.2	-0.0
	Viento +X exc.-	-3.2	0.9	1.1	4.4	1.0	-0.0
	Viento -X exc.+	4.8	-1.0	-1.3	-4.6	-1.2	0.0
	Viento -X exc.-	3.2	-0.9	-1.1	-4.4	-1.0	0.0
	Viento +Y exc.+	73.6	0.6	-8.6	3.0	-9.4	0.0
	Viento +Y exc.-	48.0	1.1	-4.7	5.0	-6.0	0.0
	Viento -Y exc.+	-73.6	-0.6	8.6	-3.0	9.4	-0.0
	Viento -Y exc.-	-48.0	-1.1	4.7	-5.0	6.0	-0.0
P14	Peso propio	493.8	0.0	38.3	-0.3	43.1	0.0
	Cargas muertas	349.2	-0.1	28.5	-0.6	32.2	0.0
	H 1	72.1	-0.1	-43.5	-0.6	-57.5	0.0
	Sobrecarga de uso	170.7	-0.0	14.1	-0.2	15.9	0.0
	Viento +X exc.+	-5.8	1.0	1.5	4.5	1.4	-0.0
	Viento +X exc.-	-3.9	0.9	1.2	4.4	1.1	-0.0
	Viento -X exc.+	5.8	-1.0	-1.5	-4.5	-1.4	0.0
	Viento -X exc.-	3.9	-0.9	-1.2	-4.4	-1.1	0.0
	Viento +Y exc.+	80.8	0.6	-9.6	2.9	-10.2	0.0
	Viento +Y exc.-	50.6	1.1	-5.1	4.9	-6.3	-0.0
	Viento -Y exc.+	-80.8	-0.6	9.6	-2.9	10.2	-0.0
	Viento -Y exc.-	-50.6	-1.1	5.1	-4.9	6.3	0.0
P15	Peso propio	503.6	-0.1	37.2	-0.1	39.8	-0.0
	Cargas muertas	349.8	-0.2	26.3	-0.6	28.5	-0.0
	H 1	70.2	-0.3	-40.1	-1.2	-50.0	-0.1
	Sobrecarga de uso	176.4	-0.0	13.8	-0.1	14.8	-0.0
	Viento +X exc.+	-8.3	1.0	1.7	4.5	1.5	-0.0
	Viento +X exc.-	-6.1	0.9	1.3	4.4	1.2	-0.0
	Viento -X exc.+	8.3	-1.0	-1.7	-4.5	-1.5	0.0
	Viento -X exc.-	6.1	-0.9	-1.3	-4.4	-1.2	0.0
	Viento +Y exc.+	88.3	0.6	-10.6	2.8	-10.8	0.0
	Viento +Y exc.-	52.9	1.1	-5.6	4.9	-6.5	-0.0
	Viento -Y exc.+	-88.3	-0.6	10.6	-2.8	10.8	-0.0
	Viento -Y exc.-	-52.9	-1.1	5.6	-4.9	6.5	0.0
P16	Peso propio	329.2	0.7	1.5	3.4	4.7	0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	277.1	0.3	0.1	2.8	0.6	0.0
	H 1	-6.8	-2.2	-2.6	-5.3	-7.7	-0.4
	Sobrecarga de uso	101.2	0.2	0.3	1.3	1.0	0.0
	Viento +X exc.+	3.8	0.9	0.1	3.9	0.3	-0.0
	Viento +X exc.-	5.1	0.9	0.1	3.8	0.2	-0.0
	Viento -X exc.+	-3.8	-0.9	-0.1	-3.9	-0.3	0.0
	Viento -X exc.-	-5.1	-0.9	-0.1	-3.8	-0.2	0.0
	Viento +Y exc.+	113.3	1.3	5.8	0.2	16.6	0.3
	Viento +Y exc.-	93.4	1.6	6.1	1.5	17.1	0.2
	Viento -Y exc.+	-113.3	-1.3	-5.8	-0.2	-16.6	-0.3
	Viento -Y exc.-	-93.4	-1.6	-6.1	-1.5	-17.1	-0.2
P17	Peso propio	475.3	-44.5	2.3	-47.0	10.7	-0.1
	Cargas muertas	292.8	-30.9	0.5	-32.2	2.3	-0.0
	H 1	75.8	42.9	-0.1	54.5	-0.1	-0.0
	Sobrecarga de uso	162.5	-16.0	0.6	-17.0	2.8	-0.0
	Viento +X exc.+	-32.8	-8.9	0.4	-8.1	2.0	-0.0
	Viento +X exc.-	-32.2	-8.7	0.3	-7.9	1.5	-0.0
	Viento -X exc.+	32.8	8.9	-0.4	8.1	-2.0	0.0
	Viento -X exc.-	32.2	8.7	-0.3	7.9	-1.5	0.0
	Viento +Y exc.+	9.9	3.9	11.1	3.4	50.7	0.0
	Viento +Y exc.-	1.0	1.6	12.7	1.3	57.9	-0.0
	Viento -Y exc.+	-9.9	-3.9	-11.1	-3.4	-50.7	0.0
	Viento -Y exc.-	-1.0	-1.6	-12.7	-1.3	-57.9	0.0
P18	Peso propio	2794.1	4.8	-7.1	4.3	-9.5	0.0
	Cargas muertas	1126.4	-2.3	-9.5	-2.1	-10.0	0.0
	H 1	-8.6	-1.4	2.5	-1.2	2.4	0.0
	Sobrecarga de uso	1035.2	1.8	-3.2	1.7	-3.8	0.0
	Viento +X exc.+	14.2	-16.2	-10.1	-14.8	-10.4	0.0
	Viento +X exc.-	15.2	-15.9	-7.6	-14.5	-7.9	0.0
	Viento -X exc.+	-14.2	16.2	10.1	14.8	10.4	0.0
	Viento -X exc.-	-15.2	15.9	7.6	14.5	7.9	0.0
	Viento +Y exc.+	-23.9	6.5	-8.2	5.7	-20.0	-0.0
	Viento +Y exc.-	-41.6	2.3	-43.7	1.8	-56.8	-0.0
	Viento -Y exc.+	23.9	-6.5	8.2	-5.7	20.0	0.0
	Viento -Y exc.-	41.6	-2.3	43.7	-1.8	56.8	0.0
P19	Peso propio	3118.4	0.2	6.8	0.2	4.2	0.0
	Cargas muertas	1260.8	1.1	1.6	1.1	0.8	0.0
	H 1	-6.5	0.1	2.8	0.1	2.7	0.0
	Sobrecarga de uso	1167.6	0.3	1.8	0.3	1.1	0.0
	Viento +X exc.+	0.8	-15.5	-7.8	-14.2	-8.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	0.8	-15.3	-5.9	-14.0	-6.1	0.0
	Viento -X exc.+	-0.8	15.5	7.8	14.2	8.0	0.0
	Viento -X exc.-	-0.8	15.3	5.9	14.0	6.1	0.0
	Viento +Y exc.+	-1.2	6.3	-17.3	5.5	-28.8	-0.0
	Viento +Y exc.-	-1.7	2.2	-45.0	1.8	-57.7	-0.0
	Viento -Y exc.+	1.2	-6.3	17.3	-5.5	28.8	0.0
	Viento -Y exc.-	1.7	-2.2	45.0	-1.8	57.7	0.0
P20	Peso propio	2559.9	-8.0	-15.5	-7.1	-17.6	0.0
	Cargas muertas	1054.1	1.1	-11.2	1.0	-11.7	0.0
	H 1	-6.2	0.1	3.3	0.1	3.2	0.0
	Sobrecarga de uso	952.9	-2.8	-6.0	-2.5	-6.5	0.0
	Viento +X exc.+	-11.9	-8.8	-0.8	-8.2	-1.2	0.0
	Viento +X exc.-	-11.4	-8.6	-0.7	-8.0	-0.9	0.0
	Viento -X exc.+	11.9	8.8	0.8	8.2	1.2	0.0
	Viento -X exc.-	11.4	8.6	0.7	8.0	0.9	0.0
	Viento +Y exc.+	-8.1	3.6	9.7	3.1	-2.2	-0.0
	Viento +Y exc.-	-17.2	1.3	7.5	1.0	-5.9	-0.0
	Viento -Y exc.+	8.1	-3.6	-9.7	-3.1	2.2	0.0
	Viento -Y exc.-	17.2	-1.3	-7.5	-1.0	5.9	0.0
P21	Peso propio	1321.7	0.4	5.9	3.6	16.1	-1.3
	Cargas muertas	421.6	-2.2	1.7	-0.6	4.1	-0.6
	H 1	-1.3	-0.2	0.2	-0.0	0.4	0.0
	Sobrecarga de uso	393.4	0.3	1.8	1.3	5.1	-0.4
	Viento +X exc.+	59.3	-16.9	-3.0	-22.1	-20.1	0.1
	Viento +X exc.-	43.0	-16.4	-2.5	-20.9	-17.6	0.0
	Viento -X exc.+	-59.3	16.9	3.0	22.1	20.1	-0.1
	Viento -X exc.-	-43.0	16.4	2.5	20.9	17.6	-0.0
	Viento +Y exc.+	1007.4	-1.0	-24.4	-35.3	-107.7	0.4
	Viento +Y exc.-	1254.9	-7.4	-32.8	-53.1	-145.0	0.6
	Viento -Y exc.+	-1007	1.0	24.4	35.3	107.7	-0.4
	Viento -Y exc.-	-1255	7.4	32.8	53.1	145.0	-0.6
P22	Peso propio	1301.4	-1.6	4.9	-3.4	12.8	1.1
	Cargas muertas	421.0	-1.6	1.0	-2.4	3.5	0.5
	H 1	-0.3	0.2	0.2	0.1	0.5	-0.0
	Sobrecarga de uso	377.6	-0.7	1.4	-1.3	4.0	0.3
	Viento +X exc.+	26.0	-16.2	-0.0	-17.4	7.3	0.0
	Viento +X exc.-	17.2	-16.0	0.2	-17.5	8.2	0.0
	Viento -X exc.+	-26.0	16.2	0.0	17.4	-7.3	0.0
	Viento -X exc.-	-17.2	16.0	-0.2	17.5	-8.2	-0.0
	Viento +Y exc.+	1139.7	15.1	-31.2	58.4	-140.4	-0.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	1275.9	12.0	-35.1	60.1	-155.3	-0.6
	Viento -Y exc.+	-1140	-15.1	31.2	-58.4	140.4	0.6
	Viento -Y exc.-	-1276	-12.0	35.1	-60.1	155.3	0.6
P23	Peso propio	2858.3	12.2	-16.7	11.0	-18.6	0.0
	Cargas muertas	1160.0	7.8	-2.0	7.0	-2.6	0.0
	H 1	-5.9	-0.2	2.6	-0.1	2.5	0.0
	Sobrecarga de uso	1033.4	3.9	-5.7	3.5	-6.2	0.0
	Viento +X exc.+	20.3	-15.5	0.7	-14.2	0.5	0.0
	Viento +X exc.-	20.2	-15.2	0.7	-13.9	0.5	0.0
	Viento -X exc.+	-20.3	15.5	-0.7	14.2	-0.5	0.0
	Viento -X exc.-	-20.2	15.2	-0.7	13.9	-0.5	0.0
	Viento +Y exc.+	-16.1	5.9	-63.8	5.2	-73.7	-0.0
	Viento +Y exc.-	-13.4	1.9	-63.8	1.5	-74.7	-0.0
	Viento -Y exc.+	16.1	-5.9	63.8	-5.2	73.7	0.0
	Viento -Y exc.-	13.4	-1.9	63.8	-1.5	74.7	0.0
P24	Peso propio	2705.0	9.8	-12.0	8.9	-14.0	0.0
	Cargas muertas	1152.8	2.8	-7.2	2.5	-7.7	0.0
	H 1	-6.1	-0.2	2.6	-0.1	2.4	0.0
	Sobrecarga de uso	995.5	3.8	-3.8	3.4	-4.4	0.0
	Viento +X exc.+	-0.6	-15.6	2.7	-14.3	2.5	0.0
	Viento +X exc.-	-0.6	-15.3	2.1	-14.0	2.0	0.0
	Viento -X exc.+	0.6	15.6	-2.7	14.3	-2.5	0.0
	Viento -X exc.-	0.6	15.3	-2.1	14.0	-2.0	0.0
	Viento +Y exc.+	-36.8	6.2	-72.5	5.5	-82.1	-0.0
	Viento +Y exc.-	-35.4	2.1	-65.4	1.7	-75.8	-0.0
	Viento -Y exc.+	36.8	-6.2	72.5	-5.5	82.1	0.0
	Viento -Y exc.-	35.4	-2.1	65.4	-1.7	75.8	0.0
P25	Peso propio	3049.9	0.8	-0.8	0.7	-3.0	0.0
	Cargas muertas	1281.7	-0.4	-0.8	-0.4	-1.4	0.0
	H 1	-6.5	-0.0	2.6	0.0	2.4	0.0
	Sobrecarga de uso	1155.0	-0.0	0.1	0.0	-0.5	0.0
	Viento +X exc.+	-1.7	-15.4	4.9	-14.1	4.7	0.0
	Viento +X exc.-	-1.7	-15.1	3.9	-13.9	3.7	0.0
	Viento -X exc.+	1.7	15.4	-4.9	14.1	-4.7	0.0
	Viento -X exc.-	1.7	15.1	-3.9	13.9	-3.7	0.0
	Viento +Y exc.+	-2.7	6.2	-83.5	5.5	-92.7	-0.0
	Viento +Y exc.-	-2.3	2.2	-69.2	1.8	-79.2	-0.0
	Viento -Y exc.+	2.7	-6.2	83.5	-5.5	92.7	0.0
	Viento -Y exc.-	2.3	-2.2	69.2	-1.8	79.2	0.0
P26	Peso propio	2763.8	-13.0	-10.7	-11.7	-12.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	1200.7	-2.1	-5.4	-1.9	-5.9	0.0
	H 1	-6.1	0.2	2.6	0.3	2.4	0.0
	Sobrecarga de uso	1037.4	-4.6	-3.3	-4.1	-3.8	0.0
	Viento +X exc.+	-7.0	-15.2	7.0	-14.0	6.8	0.0
	Viento +X exc.-	-7.5	-15.0	5.5	-13.7	5.4	0.0
	Viento -X exc.+	7.0	15.2	-7.0	14.0	-6.8	0.0
	Viento -X exc.-	7.5	15.0	-5.5	13.7	-5.4	0.0
	Viento +Y exc.+	-48.5	6.0	-92.4	5.3	-101.2	-0.0
	Viento +Y exc.-	-41.3	2.1	-71.3	1.7	-80.9	-0.0
	Viento -Y exc.+	48.5	-6.0	92.4	-5.3	101.2	0.0
	Viento -Y exc.-	41.3	-2.1	71.3	-1.7	80.9	0.0
P27	Peso propio	3072.5	-0.8	18.2	-0.7	15.7	0.0
	Cargas muertas	1337.5	-2.5	8.1	-2.2	7.3	0.0
	H 1	-5.8	0.2	2.2	0.2	1.9	0.0
	Sobrecarga de uso	1171.1	-0.5	7.0	-0.4	6.3	0.0
	Viento +X exc.+	4.7	-15.0	9.0	-13.8	8.8	0.0
	Viento +X exc.-	4.6	-14.8	7.0	-13.5	6.9	0.0
	Viento -X exc.+	-4.7	15.0	-9.0	13.8	-8.8	0.0
	Viento -X exc.-	-4.6	14.8	-7.0	13.5	-6.9	0.0
	Viento +Y exc.+	-10.9	6.1	-102.6	5.4	-111.1	-0.0
	Viento +Y exc.-	-8.0	2.2	-74.7	1.8	-83.8	-0.0
	Viento -Y exc.+	10.9	-6.1	102.6	-5.4	111.1	0.0
	Viento -Y exc.-	8.0	-2.2	74.7	-1.8	83.8	0.0
P28	Peso propio	2726.6	-10.1	-15.9	-9.0	-17.6	0.0
	Cargas muertas	1185.9	-3.3	-8.8	-2.9	-9.2	0.0
	H 1	-6.0	0.1	2.5	0.2	2.3	0.0
	Sobrecarga de uso	1016.0	-3.6	-4.9	-3.2	-5.4	0.0
	Viento +X exc.+	-7.2	-15.6	11.4	-14.3	11.3	0.0
	Viento +X exc.-	-8.2	-15.3	8.9	-14.0	8.8	0.0
	Viento -X exc.+	7.2	15.6	-11.4	14.3	-11.3	0.0
	Viento -X exc.-	8.2	15.3	-8.9	14.0	-8.8	0.0
	Viento +Y exc.+	-64.8	6.2	-116.2	5.5	-124.3	-0.0
	Viento +Y exc.-	-48.8	2.2	-80.6	1.8	-89.2	-0.0
	Viento -Y exc.+	64.8	-6.2	116.2	-5.5	124.3	0.0
	Viento -Y exc.-	48.8	-2.2	80.6	-1.8	89.2	0.0
P29	Peso propio	3085.3	5.3	18.7	4.8	16.3	0.0
	Cargas muertas	1351.6	9.4	11.6	8.5	10.8	0.0
	H 1	-5.6	0.1	2.1	0.1	1.8	0.0
	Sobrecarga de uso	1179.2	1.4	6.9	1.3	6.2	0.0
	Viento +X exc.+	-0.7	-15.6	13.5	-14.3	13.4	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-1.0	-15.3	10.5	-14.0	10.4	0.0
	Viento -X exc.+	0.7	15.6	-13.5	14.3	-13.4	0.0
	Viento -X exc.-	1.0	15.3	-10.5	14.0	-10.4	0.0
	Viento +Y exc.+	-15.2	6.3	-128.1	5.5	-135.7	-0.0
	Viento +Y exc.-	-10.6	2.2	-85.0	1.8	-93.1	-0.0
	Viento -Y exc.+	15.2	-6.3	128.1	-5.5	135.7	0.0
	Viento -Y exc.-	10.6	-2.2	85.0	-1.8	93.1	0.0
P30	Peso propio	3077.4	-11.9	-1.2	-10.7	-1.5	0.0
	Cargas muertas	1216.4	-2.2	-1.5	-2.0	-1.5	0.0
	H 1	-5.6	-0.3	2.1	-0.3	1.8	0.0
	Sobrecarga de uso	1060.1	-1.0	-1.2	-0.8	-1.2	0.0
	Viento +X exc.+	20.1	-15.7	4.5	-14.5	4.1	0.0
	Viento +X exc.-	18.4	-15.4	3.5	-14.3	3.2	0.0
	Viento -X exc.+	-20.1	15.7	-4.5	14.5	-4.1	0.0
	Viento -X exc.-	-18.4	15.4	-3.5	14.3	-3.2	0.0
	Viento +Y exc.+	-70.7	6.4	-38.5	5.7	-37.4	-0.0
	Viento +Y exc.-	-43.5	2.2	-24.4	1.8	-24.4	-0.0
	Viento -Y exc.+	70.7	-6.4	38.5	-5.7	37.4	0.0
	Viento -Y exc.-	43.5	-2.2	24.4	-1.8	24.4	0.0
P31	Peso propio	3341.9	4.1	18.3	3.7	16.1	0.0
	Cargas muertas	1376.0	2.9	8.8	2.7	7.9	0.0
	H 1	-7.1	0.8	2.0	0.8	1.7	0.0
	Sobrecarga de uso	1207.9	1.7	5.3	1.6	4.7	0.0
	Viento +X exc.+	-18.8	-16.4	5.1	-15.2	4.7	0.0
	Viento +X exc.-	-19.6	-16.1	3.9	-14.9	3.6	0.0
	Viento -X exc.+	18.8	16.4	-5.1	15.2	-4.7	0.0
	Viento -X exc.-	19.6	16.1	-3.9	14.9	-3.6	0.0
	Viento +Y exc.+	-40.4	6.5	-42.1	5.8	-40.7	-0.0
	Viento +Y exc.-	-26.7	2.3	-25.8	1.9	-25.6	-0.0
	Viento -Y exc.+	40.4	-6.5	42.1	-5.8	40.7	0.0
	Viento -Y exc.-	26.7	-2.3	25.8	-1.9	25.6	0.0
P32	Peso propio	498.4	34.6	1.7	63.1	8.6	0.1
	Cargas muertas	340.3	17.1	0.3	33.1	2.0	0.1
	H 1	82.4	-29.4	-0.1	-54.9	0.5	0.1
	Sobrecarga de uso	159.7	12.7	0.5	23.0	2.5	0.0
	Viento +X exc.+	31.3	-4.9	-0.1	-7.1	-0.4	-0.0
	Viento +X exc.-	30.7	-4.8	-0.0	-7.0	-0.3	-0.0
	Viento -X exc.+	-31.3	4.9	0.1	7.1	0.4	0.0
	Viento -X exc.-	-30.7	4.8	0.0	7.0	0.3	0.0
	Viento +Y exc.+	-21.0	1.8	7.3	2.2	35.7	0.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-11.5	0.7	7.2	0.5	34.4	0.1
	Viento -Y exc.+	21.0	-1.8	-7.3	-2.2	-35.7	-0.2
	Viento -Y exc.-	11.5	-0.7	-7.2	-0.5	-34.4	-0.1
P33	Peso propio	506.7	-42.8	2.5	-46.8	11.4	0.1
	Cargas muertas	311.4	-28.4	0.9	-30.8	4.0	0.1
	H 1	72.5	42.3	0.1	55.1	-0.3	0.0
	Sobrecarga de uso	172.7	-15.0	0.7	-16.5	2.9	0.0
	Viento +X exc.+	-32.2	-8.4	0.4	-7.7	2.1	0.0
	Viento +X exc.-	-32.3	-8.3	0.3	-7.6	1.6	0.0
	Viento -X exc.+	32.2	8.4	-0.4	7.7	-2.1	-0.0
	Viento -X exc.-	32.3	8.3	-0.3	7.6	-1.6	-0.0
	Viento +Y exc.+	8.7	2.0	10.7	1.8	51.2	-0.0
	Viento +Y exc.-	9.8	0.4	12.2	0.2	58.6	-0.0
	Viento -Y exc.+	-8.7	-2.0	-10.7	-1.8	-51.2	0.0
	Viento -Y exc.-	-9.8	-0.4	-12.2	-0.2	-58.6	0.0
P34	Peso propio	3009.3	1.6	-15.5	1.5	-17.7	0.0
	Cargas muertas	1197.1	-1.7	-14.1	-1.5	-14.5	0.0
	H 1	-2.2	-1.5	0.1	-1.4	0.1	0.0
	Sobrecarga de uso	1126.1	-0.0	-4.9	-0.0	-5.4	0.0
	Viento +X exc.+	9.8	-15.0	-10.2	-13.8	-10.6	0.0
	Viento +X exc.-	8.8	-14.8	-7.8	-13.6	-8.0	0.0
	Viento -X exc.+	-9.8	15.0	10.2	13.8	10.6	0.0
	Viento -X exc.-	-8.8	14.8	7.8	13.6	8.0	0.0
	Viento +Y exc.+	17.8	3.7	-7.9	3.3	-19.8	-0.0
	Viento +Y exc.-	35.1	1.3	-43.5	1.0	-56.5	-0.0
	Viento -Y exc.+	-17.8	-3.7	7.9	-3.3	19.8	0.0
	Viento -Y exc.-	-35.1	-1.3	43.5	-1.0	56.5	0.0
P35	Peso propio	2975.3	0.4	-25.2	0.4	-27.1	0.0
	Cargas muertas	1188.0	-0.1	-16.1	-0.1	-16.5	0.0
	H 1	0.8	0.2	-0.2	0.2	-0.2	0.0
	Sobrecarga de uso	1119.9	0.2	-7.4	0.2	-7.9	0.0
	Viento +X exc.+	-0.8	-14.8	-7.8	-13.5	-8.1	0.0
	Viento +X exc.-	-1.3	-14.6	-5.9	-13.4	-6.1	0.0
	Viento -X exc.+	0.8	14.8	7.8	13.5	8.1	0.0
	Viento -X exc.-	1.3	14.6	5.9	13.4	6.1	0.0
	Viento +Y exc.+	16.3	3.7	-17.9	3.3	-29.4	-0.0
	Viento +Y exc.-	25.3	1.3	-45.9	1.1	-58.5	-0.0
	Viento -Y exc.+	-16.3	-3.7	17.9	-3.3	29.4	0.0
	Viento -Y exc.-	-25.3	-1.3	45.9	-1.1	58.5	0.0
P36	Peso propio	2829.3	0.2	-20.2	0.2	-22.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	1190.8	4.2	-16.1	3.8	-16.5	0.0
	H 1	0.4	-0.1	-0.2	-0.0	-0.2	0.0
	Sobrecarga de uso	1060.3	0.3	-6.0	0.2	-6.6	0.0
	Viento +X exc.+	-4.1	-8.2	-0.6	-7.6	-1.0	0.0
	Viento +X exc.-	-4.6	-8.1	-0.5	-7.6	-0.8	0.0
	Viento -X exc.+	4.1	8.2	0.6	7.6	1.0	0.0
	Viento -X exc.-	4.6	8.1	0.5	7.6	0.8	0.0
	Viento +Y exc.+	11.9	2.5	9.7	2.2	-2.2	-0.0
	Viento +Y exc.-	19.8	1.3	7.4	1.1	-5.9	-0.0
	Viento -Y exc.+	-11.9	-2.5	-9.7	-2.2	2.2	0.0
	Viento -Y exc.-	-19.8	-1.3	-7.4	-1.1	5.9	0.0
P37	Peso propio	3109.9	-12.1	-6.9	-10.8	-9.1	0.0
	Cargas muertas	1263.6	-2.8	-9.0	-2.5	-9.4	0.0
	H 1	0.2	-0.0	0.1	0.0	0.0	0.0
	Sobrecarga de uso	1124.9	-5.1	-0.6	-4.5	-1.2	0.0
	Viento +X exc.+	20.2	-15.0	0.6	-13.7	0.4	0.0
	Viento +X exc.-	20.2	-14.8	0.6	-13.6	0.4	0.0
	Viento -X exc.+	-20.2	15.0	-0.6	13.7	-0.4	0.0
	Viento -X exc.-	-20.2	14.8	-0.6	13.6	-0.4	0.0
	Viento +Y exc.+	16.2	3.8	-65.1	3.3	-75.0	-0.0
	Viento +Y exc.-	16.8	1.4	-65.2	1.1	-76.0	-0.0
	Viento -Y exc.+	-16.2	-3.8	65.1	-3.3	75.0	0.0
	Viento -Y exc.-	-16.8	-1.4	65.2	-1.1	76.0	0.0
P38	Peso propio	2940.3	4.6	-32.0	4.2	-33.6	0.0
	Cargas muertas	1190.7	0.6	-22.4	0.6	-22.6	0.0
	H 1	0.4	-0.0	0.0	0.0	-0.1	0.0
	Sobrecarga de uso	1090.2	1.8	-9.5	1.6	-9.9	0.0
	Viento +X exc.+	-10.1	-14.8	2.8	-13.6	2.6	0.0
	Viento +X exc.-	-10.1	-14.6	2.3	-13.4	2.1	0.0
	Viento -X exc.+	10.1	14.8	-2.8	13.6	-2.6	0.0
	Viento -X exc.-	10.1	14.6	-2.3	13.4	-2.1	0.0
	Viento +Y exc.+	28.2	3.7	-72.8	3.2	-82.4	-0.0
	Viento +Y exc.-	26.9	1.3	-65.6	1.0	-76.0	-0.0
	Viento -Y exc.+	-28.2	-3.7	72.8	-3.2	82.4	0.0
	Viento -Y exc.-	-26.9	-1.3	65.6	-1.0	76.0	0.0
P39	Peso propio	2967.1	-1.7	-32.6	-1.5	-34.2	0.0
	Cargas muertas	1200.4	-1.0	-17.7	-0.8	-17.9	0.0
	H 1	0.5	-0.0	0.0	0.0	-0.1	0.0
	Sobrecarga de uso	1127.6	-0.6	-9.0	-0.5	-9.4	0.0
	Viento +X exc.+	-0.9	-14.8	4.9	-13.6	4.7	0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-0.8	-14.7	3.9	-13.4	3.8	0.0
	Viento -X exc.+	0.9	14.8	-4.9	13.6	-4.7	0.0
	Viento -X exc.-	0.8	14.7	-3.9	13.4	-3.8	0.0
	Viento +Y exc.+	13.7	3.8	-83.6	3.3	-92.8	-0.0
	Viento +Y exc.-	12.4	1.4	-69.3	1.1	-79.2	-0.0
	Viento -Y exc.+	-13.7	-3.8	83.6	-3.3	92.8	0.0
	Viento -Y exc.-	-12.4	-1.4	69.3	-1.1	79.2	0.0
P40	Peso propio	3005.6	-9.1	-32.7	-8.1	-34.2	0.0
	Cargas muertas	1240.7	-1.0	-21.5	-0.9	-21.6	0.0
	H 1	0.4	-0.0	0.1	0.0	-0.0	0.0
	Sobrecarga de uso	1139.1	-2.7	-9.2	-2.4	-9.6	0.0
	Viento +X exc.+	3.0	-14.8	7.1	-13.5	6.9	0.0
	Viento +X exc.-	3.2	-14.6	5.6	-13.4	5.4	0.0
	Viento -X exc.+	-3.0	14.8	-7.1	13.5	-6.9	0.0
	Viento -X exc.-	-3.2	14.6	-5.6	13.4	-5.4	0.0
	Viento +Y exc.+	21.6	3.8	-93.6	3.3	-102.5	-0.0
	Viento +Y exc.-	18.1	1.4	-72.4	1.1	-81.9	-0.0
	Viento -Y exc.+	-21.6	-3.8	93.6	-3.3	102.5	0.0
	Viento -Y exc.-	-18.1	-1.4	72.4	-1.1	81.9	0.0
P41	Peso propio	2862.9	3.3	-21.7	3.1	-20.2	0.0
	Cargas muertas	1195.1	-0.4	-13.3	-0.3	-12.2	0.0
	H 1	0.4	-0.0	-0.0	-0.0	-0.1	0.0
	Sobrecarga de uso	1107.3	0.5	-5.9	0.5	-5.5	0.0
	Viento +X exc.+	-1.8	-15.1	2.5	-14.0	2.3	0.0
	Viento +X exc.-	-1.5	-14.9	2.0	-13.9	1.8	0.0
	Viento -X exc.+	1.8	15.1	-2.5	14.0	-2.3	0.0
	Viento -X exc.-	1.5	14.9	-2.0	13.9	-1.8	0.0
	Viento +Y exc.+	25.3	3.7	-29.1	3.3	-29.0	-0.0
	Viento +Y exc.-	19.8	1.3	-21.1	1.0	-21.7	-0.0
	Viento -Y exc.+	-25.3	-3.7	29.1	-3.3	29.0	0.0
	Viento -Y exc.-	-19.8	-1.3	21.1	-1.0	21.7	0.0
P42	Peso propio	2902.3	-8.7	-23.4	-7.9	-21.7	0.0
	Cargas muertas	1208.1	-2.9	-17.0	-2.6	-15.6	0.0
	H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0
	Sobrecarga de uso	1097.6	-2.8	-6.3	-2.5	-5.9	0.0
	Viento +X exc.+	1.2	-15.1	3.2	-14.0	3.0	0.0
	Viento +X exc.-	1.7	-14.9	2.5	-13.9	2.3	0.0
	Viento -X exc.+	-1.2	15.1	-3.2	14.0	-3.0	0.0
	Viento -X exc.-	-1.7	14.9	-2.5	13.9	-2.3	0.0
	Viento +Y exc.+	30.5	3.7	-33.3	3.3	-32.7	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P43	Viento +Y exc.-	22.6	1.3	-22.9	1.1	-23.3	-0.0
	Viento -Y exc.+	-30.5	-3.7	33.3	-3.3	32.7	0.0
	Viento -Y exc.-	-22.6	-1.3	22.9	-1.1	23.3	0.0
	Peso propio	2897.5	3.2	-20.1	2.9	-18.8	0.0
	Cargas muertas	1202.9	5.9	-13.5	5.4	-12.4	0.0
	H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0
	Sobrecarga de uso	1119.8	0.7	-4.8	0.7	-4.5	0.0
	Viento +X exc.+	-4.0	-14.8	3.9	-13.8	3.6	0.0
	Viento +X exc.-	-3.6	-14.7	3.0	-13.6	2.8	0.0
	Viento -X exc.+	4.0	14.8	-3.9	13.8	-3.6	0.0
	Viento -X exc.-	3.6	14.7	-3.0	13.6	-2.8	0.0
	Viento +Y exc.+	22.7	3.8	-35.6	3.3	-34.8	-0.0
	Viento +Y exc.-	15.8	1.3	-23.5	1.1	-23.7	-0.0
	Viento -Y exc.+	-22.7	-3.8	35.6	-3.3	34.8	0.0
	Viento -Y exc.-	-15.8	-1.3	23.5	-1.1	23.7	0.0
P44	Peso propio	3189.8	-15.9	-42.3	-14.4	-38.9	0.0
	Cargas muertas	1252.3	-7.3	-23.2	-6.6	-21.2	0.0
	H 1	0.7	-0.1	-0.0	-0.1	-0.1	0.0
	Sobrecarga de uso	1149.0	-3.4	-10.7	-3.1	-9.8	0.0
	Viento +X exc.+	-2.5	-14.5	4.4	-13.5	4.0	0.0
	Viento +X exc.-	-1.5	-14.3	3.4	-13.3	3.1	0.0
	Viento -X exc.+	2.5	14.5	-4.4	13.5	-4.0	0.0
	Viento -X exc.-	1.5	14.3	-3.4	13.3	-3.1	0.0
	Viento +Y exc.+	36.8	3.6	-38.2	3.2	-37.1	-0.0
	Viento +Y exc.-	20.8	1.2	-24.1	1.0	-24.2	-0.0
	Viento -Y exc.+	-36.8	-3.6	38.2	-3.2	37.1	0.0
	Viento -Y exc.-	-20.8	-1.2	24.1	-1.0	24.2	0.0
P45	Peso propio	3176.5	11.1	-34.6	10.1	-31.9	0.0
	Cargas muertas	1277.0	2.3	-19.2	2.1	-17.6	0.0
	H 1	-0.3	0.6	0.3	0.6	0.2	0.0
	Sobrecarga de uso	1176.9	3.5	-9.5	3.2	-8.8	0.0
	Viento +X exc.+	-12.6	-15.2	5.1	-14.1	4.7	0.0
	Viento +X exc.-	-11.7	-15.0	4.0	-13.9	3.6	0.0
	Viento -X exc.+	12.6	15.2	-5.1	14.1	-4.7	0.0
	Viento -X exc.-	11.7	15.0	-4.0	13.9	-3.6	0.0
	Viento +Y exc.+	38.8	3.9	-41.5	3.5	-40.0	-0.0
	Viento +Y exc.-	23.3	1.4	-25.3	1.2	-25.2	-0.0
	Viento -Y exc.+	-38.8	-3.9	41.5	-3.5	40.0	0.0
	Viento -Y exc.-	-23.3	-1.4	25.3	-1.2	25.2	0.0
P46	Peso propio	492.9	34.2	1.4	63.8	5.7	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	329.5	19.2	-0.1	36.9	-0.7	0.0
	H 1	71.9	-26.6	-0.5	-51.3	-0.6	0.2
	Sobrecarga de uso	161.5	12.8	0.4	23.6	1.6	-0.0
	Viento +X exc.+	29.5	-4.8	-0.1	-7.0	-0.9	-0.0
	Viento +X exc.-	29.4	-4.7	-0.1	-6.9	-0.8	-0.0
	Viento -X exc.+	-29.5	4.8	0.1	7.0	0.9	0.0
	Viento -X exc.-	-29.4	4.7	0.1	6.9	0.8	0.0
	Viento +Y exc.+	-3.5	1.8	7.1	2.7	36.0	0.2
	Viento +Y exc.-	-2.5	0.8	7.0	1.1	34.5	0.1
	Viento -Y exc.+	3.5	-1.8	-7.1	-2.7	-36.0	-0.2
	Viento -Y exc.-	2.5	-0.8	-7.0	-1.1	-34.5	-0.1
P47	Peso propio	2274.9	-15.7	-4.2	-14.4	-4.9	0.0
	Cargas muertas	910.3	-7.3	-2.7	-6.7	-2.8	0.0
	H 1	0.1	0.0	0.1	0.1	0.0	0.0
	Sobrecarga de uso	782.1	-4.8	-0.1	-4.4	-0.4	0.0
	Viento +X exc.+	5.3	-23.9	-1.6	-22.6	-1.6	0.0
	Viento +X exc.-	15.0	-23.6	-1.2	-22.3	-1.2	0.0
	Viento -X exc.+	-5.3	23.9	1.6	22.6	1.6	0.0
	Viento -X exc.-	-15.0	23.6	1.2	22.3	1.2	0.0
	Viento +Y exc.+	-632.8	6.9	-15.2	6.2	-19.2	-0.0
	Viento +Y exc.-	-793.3	3.0	-21.1	2.5	-25.3	-0.0
	Viento -Y exc.+	632.8	-6.9	15.2	-6.2	19.2	0.0
	Viento -Y exc.-	793.3	-3.0	21.1	-2.5	25.3	0.0
P48	Peso propio	2263.8	2.0	0.9	1.9	-0.3	0.0
	Cargas muertas	921.8	-5.4	0.5	-4.9	0.1	0.0
	H 1	0.2	-0.1	0.1	-0.0	0.0	0.0
	Sobrecarga de uso	780.7	0.6	1.8	0.6	1.4	0.0
	Viento +X exc.+	-38.2	-23.8	-0.8	-22.5	-0.9	0.0
	Viento +X exc.-	-32.5	-23.5	-0.6	-22.2	-0.7	0.0
	Viento -X exc.+	38.2	23.8	0.8	22.5	0.9	0.0
	Viento -X exc.-	32.5	23.5	0.6	22.2	0.7	0.0
	Viento +Y exc.+	-664.8	5.5	-19.0	5.0	-22.6	-0.0
	Viento +Y exc.-	-758.4	1.4	-21.8	1.1	-25.7	-0.0
	Viento -Y exc.+	664.8	-5.5	19.0	-5.0	22.6	0.0
	Viento -Y exc.-	758.4	-1.4	21.8	-1.1	25.7	0.0
P49	Peso propio	419.9	-52.3	1.0	-56.7	6.5	-0.3
	Cargas muertas	339.3	-30.1	-0.1	-34.2	0.0	-0.1
	H 1	69.5	42.3	-0.1	56.7	-0.5	-0.0
	Sobrecarga de uso	132.7	-13.6	0.2	-15.1	1.3	-0.0
	Viento +X exc.+	-29.8	-6.9	0.4	-6.6	2.1	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-29.0	-6.9	0.3	-6.6	1.6	-0.0
	Viento -X exc.+	29.8	6.9	-0.4	6.6	-2.1	0.0
	Viento -X exc.-	29.0	6.9	-0.3	6.6	-1.6	0.0
	Viento +Y exc.+	-13.4	1.3	10.6	1.5	51.1	0.0
	Viento +Y exc.-	-27.7	1.6	12.2	2.0	58.5	-0.0
	Viento -Y exc.+	13.4	-1.3	-10.6	-1.5	-51.1	-0.0
	Viento -Y exc.-	27.7	-1.6	-12.2	-2.0	-58.5	0.0
P50	Peso propio	2705.2	2.6	113.1	2.5	106.0	0.0
	Cargas muertas	1460.8	0.4	56.4	0.4	53.2	0.0
	H 1	-9.9	-3.4	-2.0	-3.1	-1.9	0.0
	Sobrecarga de uso	856.0	1.1	21.0	1.1	19.5	0.0
	Viento +X exc.+	3.3	-3.6	-0.4	-3.7	-0.7	0.0
	Viento +X exc.-	7.2	-3.6	-0.3	-3.7	-0.5	0.0
	Viento -X exc.+	-3.3	3.6	0.4	3.7	0.7	0.0
	Viento -X exc.-	-7.2	3.6	0.3	3.7	0.5	0.0
	Viento +Y exc.+	-83.4	0.9	11.6	0.8	3.8	-0.0
	Viento +Y exc.-	-148.9	0.7	9.4	0.6	0.5	-0.0
	Viento -Y exc.+	83.4	-0.9	-11.6	-0.8	-3.8	0.0
	Viento -Y exc.-	148.9	-0.7	-9.4	-0.6	-0.5	0.0
P51	Peso propio	2705.3	1.9	192.2	1.7	169.0	0.0
	Cargas muertas	1456.1	6.2	74.5	5.4	65.6	0.0
	H 1	2.1	0.4	0.7	0.4	0.6	0.0
	Sobrecarga de uso	823.3	0.3	38.9	0.3	34.1	0.0
	Viento +X exc.+	-8.0	-4.2	-0.9	-3.9	-1.0	0.0
	Viento +X exc.-	-4.5	-4.2	-0.7	-3.9	-0.8	0.0
	Viento -X exc.+	8.0	4.2	0.9	3.9	1.0	0.0
	Viento -X exc.-	4.5	4.2	0.7	3.9	0.8	0.0
	Viento +Y exc.+	-101.1	0.7	6.9	0.5	0.6	-0.0
	Viento +Y exc.-	-158.5	0.3	4.1	0.2	-2.7	-0.0
	Viento -Y exc.+	101.1	-0.7	-6.9	-0.5	-0.6	0.0
	Viento -Y exc.-	158.5	-0.3	-4.1	-0.2	2.7	0.0
P52	Peso propio	2955.6	-3.7	116.8	-3.4	109.5	0.0
	Cargas muertas	1728.2	-0.4	38.2	-0.3	35.9	0.0
	H 1	0.2	-0.1	0.3	-0.1	0.3	0.0
	Sobrecarga de uso	989.4	-1.4	24.1	-1.2	22.5	0.0
	Viento +X exc.+	-16.0	-4.0	-0.3	-4.1	-0.6	0.0
	Viento +X exc.-	-13.3	-4.0	-0.2	-4.1	-0.4	0.0
	Viento -X exc.+	16.0	4.0	0.3	4.1	0.6	0.0
	Viento -X exc.-	13.3	4.0	0.2	4.1	0.4	0.0
	Viento +Y exc.+	-129.7	0.5	7.6	0.4	0.2	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-175.3	0.1	6.2	0.0	-2.1	-0.0
	Viento -Y exc.+	129.7	-0.5	-7.6	-0.4	-0.2	0.0
	Viento -Y exc.-	175.3	-0.1	-6.2	-0.0	2.1	0.0
P53	Peso propio	1757.3	8.0	131.3	7.4	123.4	0.0
	Cargas muertas	1012.6	-6.2	56.9	-5.7	53.6	0.0
	H 1	0.1	-0.1	0.2	-0.0	0.1	0.0
	Sobrecarga de uso	498.6	3.1	26.7	2.9	25.0	0.0
	Viento +X exc.+	25.5	-4.3	-0.2	-4.3	-0.4	0.0
	Viento +X exc.-	26.8	-4.3	-0.2	-4.3	-0.3	0.0
	Viento -X exc.+	-25.5	4.3	0.2	4.3	0.4	0.0
	Viento -X exc.-	-26.8	4.3	0.2	4.3	0.3	0.0
	Viento +Y exc.+	-45.1	0.9	6.8	0.8	-0.5	-0.0
	Viento +Y exc.-	-66.5	0.6	6.3	0.5	-1.7	-0.0
	Viento -Y exc.+	45.1	-0.9	-6.8	-0.8	0.5	0.0
	Viento -Y exc.-	66.5	-0.6	-6.3	-0.5	1.7	0.0
P54	Peso propio	1719.7	-4.7	95.8	-4.3	87.6	0.0
	Cargas muertas	1003.1	5.8	39.6	5.3	36.3	0.0
	H 1	0.1	-0.1	0.1	-0.0	0.1	0.0
	Sobrecarga de uso	487.2	-2.4	19.5	-2.2	17.8	0.0
	Viento +X exc.+	-28.3	-4.1	-0.0	-4.1	-0.1	0.0
	Viento +X exc.-	-28.2	-4.1	-0.0	-4.0	-0.1	0.0
	Viento -X exc.+	28.3	4.1	0.0	4.1	0.1	0.0
	Viento -X exc.-	28.2	4.1	0.0	4.0	0.1	0.0
	Viento +Y exc.+	-65.4	0.6	-0.1	0.5	-2.9	-0.0
	Viento +Y exc.-	-66.6	0.3	-0.3	0.2	-3.3	-0.0
	Viento -Y exc.+	65.4	-0.6	0.1	-0.5	2.9	0.0
	Viento -Y exc.-	66.6	-0.3	0.3	-0.2	3.3	0.0
P55	Peso propio	3162.2	4.1	98.4	3.9	90.0	0.0
	Cargas muertas	1764.6	1.6	30.9	1.5	28.3	0.0
	H 1	0.3	-0.1	0.2	-0.0	0.2	0.0
	Sobrecarga de uso	1014.0	1.0	22.6	0.9	20.7	0.0
	Viento +X exc.+	26.0	-4.1	0.1	-4.1	0.0	0.0
	Viento +X exc.-	26.8	-4.1	0.0	-4.0	0.0	0.0
	Viento -X exc.+	-26.0	4.1	-0.1	4.1	-0.0	0.0
	Viento -X exc.-	-26.8	4.1	-0.0	4.0	-0.0	0.0
	Viento +Y exc.+	-157.1	0.8	-1.4	0.7	-4.0	-0.0
	Viento +Y exc.-	-171.2	0.5	-1.0	0.4	-3.9	-0.0
	Viento -Y exc.+	157.1	-0.8	1.4	-0.7	4.0	0.0
	Viento -Y exc.-	171.2	-0.5	1.0	-0.4	3.9	0.0
P56	Peso propio	2602.6	0.4	85.8	0.4	78.5	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	1375.5	0.2	26.8	0.2	24.5	0.0
	H 1	0.4	-0.1	0.3	-0.0	0.2	0.0
	Sobrecarga de uso	817.0	0.1	19.5	0.1	17.8	0.0
	Viento +X exc.+	-5.7	-4.0	0.3	-4.0	0.3	0.0
	Viento +X exc.-	-6.0	-4.0	0.3	-3.9	0.2	0.0
	Viento -X exc.+	5.7	4.0	-0.3	4.0	-0.3	0.0
	Viento -X exc.-	6.0	4.0	-0.3	3.9	-0.2	0.0
	Viento +Y exc.+	-157.8	0.5	-2.4	0.5	-4.9	-0.0
	Viento +Y exc.-	-152.5	0.2	-1.4	0.2	-4.1	-0.0
	Viento -Y exc.+	157.8	-0.5	2.4	-0.5	4.9	0.0
	Viento -Y exc.-	152.5	-0.2	1.4	-0.2	4.1	0.0
P57	Peso propio	2625.7	1.0	93.5	0.9	85.5	0.0
	Cargas muertas	1477.5	-7.0	39.3	-6.4	36.1	0.0
	H 1	0.4	-0.1	0.3	-0.0	0.3	0.0
	Sobrecarga de uso	819.5	1.7	19.1	1.6	17.4	0.0
	Viento +X exc.+	0.8	-4.0	0.5	-3.9	0.5	0.0
	Viento +X exc.-	-0.1	-3.9	0.4	-3.9	0.4	0.0
	Viento -X exc.+	-0.8	4.0	-0.5	3.9	-0.5	0.0
	Viento -X exc.-	0.1	3.9	-0.4	3.9	-0.4	0.0
	Viento +Y exc.+	-163.6	0.8	-3.3	0.7	-5.7	-0.0
	Viento +Y exc.-	-148.4	0.5	-1.7	0.4	-4.4	-0.0
	Viento -Y exc.+	163.6	-0.8	3.3	-0.7	5.7	0.0
	Viento -Y exc.-	148.4	-0.5	1.7	-0.4	4.4	0.0
P58	Peso propio	2601.7	-7.5	91.4	-6.9	83.6	0.0
	Cargas muertas	1470.4	4.2	39.5	3.9	36.2	0.0
	H 1	0.4	-0.1	0.3	-0.0	0.3	0.0
	Sobrecarga de uso	801.9	-2.9	17.3	-2.6	15.8	0.0
	Viento +X exc.+	2.8	-4.0	0.7	-3.9	0.6	0.0
	Viento +X exc.-	1.2	-3.9	0.5	-3.9	0.5	0.0
	Viento -X exc.+	-2.8	4.0	-0.7	3.9	-0.6	0.0
	Viento -X exc.-	-1.2	3.9	-0.5	3.9	-0.5	0.0
	Viento +Y exc.+	-174.8	0.5	-4.5	0.4	-6.8	-0.0
	Viento +Y exc.-	-148.6	0.2	-2.3	0.1	-4.8	-0.0
	Viento -Y exc.+	174.8	-0.5	4.5	-0.4	6.8	0.0
	Viento -Y exc.-	148.6	-0.2	2.3	-0.1	4.8	0.0
P59	Peso propio	2587.2	1.7	87.3	1.6	79.9	0.0
	Cargas muertas	1405.0	-0.3	27.9	-0.2	25.6	0.0
	H 1	0.4	-0.1	0.4	-0.0	0.3	0.0
	Sobrecarga de uso	810.9	1.0	16.7	1.0	15.3	0.0
	Viento +X exc.+	3.5	-4.1	0.9	-4.1	0.8	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	1.4	-4.1	0.7	-4.1	0.6	0.0
	Viento -X exc.+	-3.5	4.1	-0.9	4.1	-0.8	0.0
	Viento -X exc.-	-1.4	4.1	-0.7	4.1	-0.6	0.0
	Viento +Y exc.+	-180.1	0.7	-6.1	0.6	-8.2	-0.0
	Viento +Y exc.-	-144.2	0.4	-3.2	0.3	-5.5	-0.0
	Viento -Y exc.+	180.1	-0.7	6.1	-0.6	8.2	0.0
	Viento -Y exc.-	144.2	-0.4	3.2	-0.3	5.5	0.0
P60	Peso propio	2638.1	-8.8	86.9	-8.1	79.5	0.0
	Cargas muertas	1414.2	-1.6	27.4	-1.4	25.1	0.0
	H 1	0.5	-0.1	0.4	-0.0	0.3	0.0
	Sobrecarga de uso	823.9	-2.9	17.6	-2.7	16.0	0.0
	Viento +X exc.+	5.6	-3.9	1.1	-3.9	1.0	0.0
	Viento +X exc.-	2.8	-3.9	0.9	-3.8	0.8	0.0
	Viento -X exc.+	-5.6	3.9	-1.1	3.9	-1.0	0.0
	Viento -X exc.-	-2.8	3.9	-0.9	3.8	-0.8	0.0
	Viento +Y exc.+	-197.2	0.7	-7.3	0.6	-9.3	-0.0
	Viento +Y exc.-	-149.8	0.4	-3.7	0.3	-5.9	-0.0
	Viento -Y exc.+	197.2	-0.7	7.3	-0.6	9.3	0.0
	Viento -Y exc.-	149.8	-0.4	3.7	-0.3	5.9	0.0
P61	Peso propio	2640.2	-0.1	95.2	-0.1	87.1	0.0
	Cargas muertas	1459.4	-4.9	42.5	-4.5	39.0	0.0
	H 1	0.4	-0.0	0.4	0.0	0.3	0.0
	Sobrecarga de uso	827.5	0.7	17.2	0.7	15.7	0.0
	Viento +X exc.+	9.0	-3.7	1.3	-3.7	1.3	0.0
	Viento +X exc.-	5.5	-3.6	1.0	-3.6	1.0	0.0
	Viento -X exc.+	-9.0	3.7	-1.3	3.7	-1.3	0.0
	Viento -X exc.-	-5.5	3.6	-1.0	3.6	-1.0	0.0
	Viento +Y exc.+	-209.4	0.7	-8.2	0.6	-10.0	-0.0
	Viento +Y exc.-	-151.1	0.4	-4.0	0.3	-6.1	-0.0
	Viento -Y exc.+	209.4	-0.7	8.2	-0.6	10.0	0.0
	Viento -Y exc.-	151.1	-0.4	4.0	-0.3	6.1	0.0
P62	Peso propio	2572.3	5.4	104.5	5.0	95.7	0.0
	Cargas muertas	1443.8	6.0	48.7	5.6	44.7	0.0
	H 1	1.4	-0.3	0.3	-0.3	0.3	0.0
	Sobrecarga de uso	805.5	0.8	19.4	0.8	17.7	0.0
	Viento +X exc.+	8.5	-3.9	1.7	-3.9	1.6	0.0
	Viento +X exc.-	4.2	-3.9	1.3	-3.9	1.3	0.0
	Viento -X exc.+	-8.5	3.9	-1.7	3.9	-1.6	0.0
	Viento -X exc.-	-4.2	3.9	-1.3	3.9	-1.3	0.0
	Viento +Y exc.+	-230.9	0.5	-10.7	0.4	-12.3	-0.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-158.2	0.2	-5.4	0.2	-7.3	-0.0
	Viento -Y exc.+	230.9	-0.5	10.7	-0.4	12.3	0.0
	Viento -Y exc.-	158.2	-0.2	5.4	-0.2	7.3	0.0
P63	Peso propio	2732.8	5.6	71.9	5.3	65.7	0.0
	Cargas muertas	1443.4	1.6	25.4	1.5	23.3	0.0
	H 1	-7.8	1.8	-1.3	1.7	-1.2	0.0
	Sobrecarga de uso	866.8	1.2	14.9	1.1	13.6	0.0
	Viento +X exc.+	-2.8	-3.5	1.7	-3.5	1.6	0.0
	Viento +X exc.-	-7.5	-3.5	1.2	-3.5	1.2	0.0
	Viento -X exc.+	2.8	3.5	-1.7	3.5	-1.6	0.0
	Viento -X exc.-	7.5	3.5	-1.2	3.5	-1.2	0.0
	Viento +Y exc.+	-229.5	-0.1	-13.3	-0.2	-14.7	-0.0
	Viento +Y exc.-	-150.2	-0.2	-6.9	-0.2	-8.6	-0.0
	Viento -Y exc.+	229.5	0.1	13.3	0.2	14.7	0.0
	Viento -Y exc.-	150.2	0.2	6.9	0.2	8.6	0.0
P64	Peso propio	366.2	49.6	-0.7	85.6	1.4	0.4
	Cargas muertas	299.0	30.6	-0.6	55.2	-1.5	0.1
	H 1	81.7	-28.4	1.1	-53.5	3.7	-0.1
	Sobrecarga de uso	114.7	13.8	-0.2	24.4	0.3	0.1
	Viento +X exc.+	28.7	-4.6	-0.0	-6.7	-0.4	-0.0
	Viento +X exc.-	27.7	-4.7	-0.0	-6.9	-0.3	-0.0
	Viento -X exc.+	-28.7	4.6	0.0	6.7	0.4	0.0
	Viento -X exc.-	-27.7	4.7	0.0	6.9	0.3	0.0
	Viento +Y exc.+	-45.4	-3.2	7.1	-6.3	35.8	0.2
	Viento +Y exc.-	-29.2	-2.1	6.9	-4.2	34.3	0.1
	Viento -Y exc.+	45.4	3.2	-7.1	6.3	-35.8	-0.2
	Viento -Y exc.-	29.2	2.1	-6.9	4.2	-34.3	-0.1
P65	Peso propio	371.2	-50.8	2.0	-54.2	9.8	-0.1
	Cargas muertas	159.7	-23.6	0.7	-24.9	3.2	0.0
	H 1	68.1	42.0	-0.0	56.6	0.0	0.0
	Sobrecarga de uso	96.9	-12.6	0.5	-13.6	2.7	-0.0
	Viento +X exc.+	-25.3	-8.5	0.4	-8.0	1.9	-0.0
	Viento +X exc.-	-25.6	-8.6	0.3	-8.1	1.4	-0.0
	Viento -X exc.+	25.3	8.5	-0.4	8.0	-1.9	0.0
	Viento -X exc.-	25.6	8.6	-0.3	8.1	-1.4	0.0
	Viento +Y exc.+	-6.8	-2.0	10.6	-1.8	51.4	-0.0
	Viento +Y exc.-	-1.6	-0.7	12.1	-0.6	58.9	-0.0
	Viento -Y exc.+	6.8	2.0	-10.6	1.8	-51.4	0.0
	Viento -Y exc.-	1.6	0.7	-12.1	0.6	-58.9	0.0
P66	Peso propio	3212.2	-34.7	14.6	-31.6	10.2	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	1215.6	-16.1	1.7	-14.7	0.3	0.0
	H 1	-17.1	-3.7	-2.8	-3.4	-3.0	0.0
	Sobrecarga de uso	860.2	-8.3	10.5	-7.6	9.7	0.0
	Viento +X exc.+	11.5	-14.2	-8.9	-13.4	-10.4	-0.0
	Viento +X exc.-	10.8	-14.3	-6.9	-13.5	-8.0	0.0
	Viento -X exc.+	-11.5	14.2	8.9	13.4	10.4	0.0
	Viento -X exc.-	-10.8	14.3	6.9	13.5	8.0	0.0
	Viento +Y exc.+	12.5	-3.3	11.5	-3.0	-12.6	-0.0
	Viento +Y exc.-	22.9	-1.0	-17.4	-0.8	-46.8	-0.0
	Viento -Y exc.+	-12.5	3.3	-11.5	3.0	12.6	0.0
	Viento -Y exc.-	-22.9	1.0	17.4	0.8	46.8	0.0
P67	Peso propio	2676.7	15.4	-17.9	14.0	-20.2	0.0
	Cargas muertas	1015.5	5.5	10.5	5.1	9.7	0.0
	H 1	-1.6	0.3	-2.4	0.3	-2.4	0.0
	Sobrecarga de uso	716.0	4.1	-1.3	3.8	-1.9	0.0
	Viento +X exc.+	2.6	-10.9	-4.9	-10.1	-5.4	0.0
	Viento +X exc.-	1.9	-11.0	-3.8	-10.2	-4.1	0.0
	Viento -X exc.+	-2.6	10.9	4.9	10.1	5.4	0.0
	Viento -X exc.-	-1.9	11.0	3.8	10.2	4.1	0.0
	Viento +Y exc.+	11.1	-2.6	-3.1	-2.3	-15.2	-0.0
	Viento +Y exc.-	20.6	-1.0	-19.3	-0.9	-33.0	-0.0
	Viento -Y exc.+	-11.1	2.6	3.1	2.3	15.2	0.0
	Viento -Y exc.-	-20.6	1.0	19.3	0.9	33.0	0.0
P68	Peso propio	2892.4	11.9	-6.6	10.9	-9.0	0.0
	Cargas muertas	854.4	10.0	8.5	9.2	7.7	0.0
	H 1	-2.9	-0.3	-2.3	-0.2	-2.3	0.0
	Sobrecarga de uso	771.3	2.6	2.0	2.4	1.3	0.0
	Viento +X exc.+	3.2	-11.2	-3.8	-10.4	-4.2	0.0
	Viento +X exc.-	2.4	-11.3	-2.9	-10.5	-3.2	0.0
	Viento -X exc.+	-3.2	11.2	3.8	10.4	4.2	0.0
	Viento -X exc.-	-2.4	11.3	2.9	10.5	3.2	0.0
	Viento +Y exc.+	20.1	-2.6	-11.6	-2.4	-23.5	-0.0
	Viento +Y exc.-	31.3	-0.9	-24.6	-0.8	-37.9	-0.0
	Viento -Y exc.+	-20.1	2.6	11.6	2.4	23.5	0.0
	Viento -Y exc.-	-31.3	0.9	24.6	0.8	37.9	0.0
P69	Peso propio	2439.1	4.2	-18.1	4.0	-17.3	0.0
	Cargas muertas	800.7	0.3	-5.7	0.3	-5.4	0.0
	H 1	0.3	-0.2	-0.2	-0.1	-0.2	0.0
	Sobrecarga de uso	698.1	1.3	-4.3	1.2	-4.1	0.0
	Viento +X exc.+	3.8	-8.2	-0.6	-7.8	-0.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	3.3	-8.3	-0.5	-7.9	-0.5	0.0
	Viento -X exc.+	-3.8	8.2	0.6	7.8	0.6	0.0
	Viento -X exc.-	-3.3	8.3	0.5	7.9	0.5	0.0
	Viento +Y exc.+	27.8	-2.1	-3.3	-1.9	-5.9	-0.0
	Viento +Y exc.-	35.2	-0.8	-5.3	-0.7	-8.0	-0.0
	Viento -Y exc.+	-27.8	2.1	3.3	1.9	5.9	0.0
	Viento -Y exc.-	-35.2	0.8	5.3	0.7	8.0	0.0
P70	Peso propio	2386.1	-2.1	-17.2	-1.9	-16.4	0.0
	Cargas muertas	663.4	-3.3	-1.3	-3.0	-1.4	0.0
	H 1	0.3	0.1	-0.1	0.1	-0.1	0.0
	Sobrecarga de uso	676.9	-0.6	-4.4	-0.6	-4.2	0.0
	Viento +X exc.+	-4.5	-8.5	-0.2	-8.1	-0.3	0.0
	Viento +X exc.-	-4.8	-8.6	-0.2	-8.2	-0.2	0.0
	Viento -X exc.+	4.5	8.5	0.2	8.1	0.3	0.0
	Viento -X exc.-	4.8	8.6	0.2	8.2	0.2	0.0
	Viento +Y exc.+	30.6	-2.1	-5.1	-1.9	-7.5	-0.0
	Viento +Y exc.-	35.4	-0.8	-5.9	-0.7	-8.5	-0.0
	Viento -Y exc.+	-30.6	2.1	5.1	1.9	7.5	0.0
	Viento -Y exc.-	-35.4	0.8	5.9	0.7	8.5	0.0
P71	Peso propio	2990.4	9.4	11.0	8.8	7.3	0.0
	Cargas muertas	1232.5	6.9	31.7	6.5	31.1	0.0
	H 1	-2.5	0.1	-2.2	0.1	-2.4	0.0
	Sobrecarga de uso	819.0	-5.6	13.9	-5.1	13.1	0.0
	Viento +X exc.+	2.0	-12.6	0.6	-12.1	0.2	-0.0
	Viento +X exc.-	2.1	-12.7	0.5	-12.2	0.2	0.0
	Viento -X exc.+	-2.0	12.6	-0.6	12.1	-0.2	0.0
	Viento -X exc.-	-2.1	12.7	-0.5	12.2	-0.2	0.0
	Viento +Y exc.+	33.5	-2.8	-27.1	-2.5	-46.3	-0.0
	Viento +Y exc.-	32.5	-1.0	-25.7	-0.8	-46.4	-0.0
	Viento -Y exc.+	-33.5	2.8	27.1	2.5	46.3	0.0
	Viento -Y exc.-	-32.5	1.0	25.7	0.8	46.4	0.0
P72	Peso propio	2975.4	-4.5	-5.4	-4.0	-7.8	-0.0
	Cargas muertas	854.9	-0.4	7.8	-0.2	6.8	0.0
	H 1	-3.1	-0.0	-2.6	0.1	-2.7	0.0
	Sobrecarga de uso	852.8	4.0	15.6	3.9	14.5	0.0
	Viento +X exc.+	-3.4	-44.4	2.2	-43.2	2.0	-0.0
	Viento +X exc.-	-3.3	-44.9	1.8	-43.7	1.6	-0.0
	Viento -X exc.+	3.4	44.4	-2.2	43.2	-2.0	0.0
	Viento -X exc.-	3.3	44.9	-1.8	43.7	-1.6	0.0
	Viento +Y exc.+	34.2	-10.7	-46.2	-10.1	-57.7	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	32.4	-3.6	-40.3	-3.1	-52.7	-0.0
	Viento -Y exc.+	-34.2	10.7	46.2	10.1	57.7	0.0
	Viento -Y exc.-	-32.4	3.6	40.3	3.1	52.7	0.0
P73	Peso propio	2851.2	-4.9	-6.2	-4.4	-7.6	0.0
	Cargas muertas	849.6	-3.0	-1.3	-2.7	-1.7	0.0
	H 1	-3.0	-0.0	-2.2	0.0	-2.3	0.0
	Sobrecarga de uso	781.1	-1.5	6.1	-1.4	5.5	0.0
	Viento +X exc.+	0.6	-10.5	3.3	-9.7	3.1	0.0
	Viento +X exc.-	1.0	-10.6	2.6	-9.8	2.5	0.0
	Viento -X exc.+	-0.6	10.5	-3.3	9.7	-3.1	0.0
	Viento -X exc.-	-1.0	10.6	-2.6	9.8	-2.5	0.0
	Viento +Y exc.+	41.9	-2.4	-46.6	-2.1	-53.1	-0.0
	Viento +Y exc.-	36.2	-0.8	-37.9	-0.7	-45.0	-0.0
	Viento -Y exc.+	-41.9	2.4	46.6	2.1	53.1	0.0
	Viento -Y exc.-	-36.2	0.8	37.9	0.7	45.0	0.0
P74	Peso propio	2936.5	-5.2	-17.4	-4.7	-19.4	0.0
	Cargas muertas	1025.1	-1.1	-7.0	-1.0	-7.6	0.0
	H 1	-3.1	0.0	-2.4	0.0	-2.6	0.0
	Sobrecarga de uso	821.1	-2.7	12.0	-2.5	11.3	0.0
	Viento +X exc.+	-2.9	-11.0	5.0	-10.3	4.9	0.0
	Viento +X exc.-	-2.3	-11.2	4.0	-10.4	3.9	0.0
	Viento -X exc.+	2.9	11.0	-5.0	10.3	-4.9	0.0
	Viento -X exc.-	2.3	11.2	-4.0	10.4	-3.9	0.0
	Viento +Y exc.+	46.7	-2.5	-54.0	-2.3	-64.5	-0.0
	Viento +Y exc.-	38.0	-0.9	-39.9	-0.7	-50.8	-0.0
	Viento -Y exc.+	-46.7	2.5	54.0	2.3	64.5	0.0
	Viento -Y exc.-	-38.0	0.9	39.9	0.7	50.8	0.0
P75	Peso propio	2808.8	-5.8	-15.7	-5.2	-16.7	0.0
	Cargas muertas	801.3	-1.7	-1.8	-1.5	-2.2	0.0
	H 1	-3.0	0.0	-2.2	0.0	-2.3	0.0
	Sobrecarga de uso	805.7	-2.6	16.0	-2.4	15.1	0.0
	Viento +X exc.+	-2.8	-10.3	5.9	-9.6	5.7	0.0
	Viento +X exc.-	-2.1	-10.5	4.7	-9.7	4.5	0.0
	Viento -X exc.+	2.8	10.3	-5.9	9.6	-5.7	0.0
	Viento -X exc.-	2.1	10.5	-4.7	9.7	-4.5	0.0
	Viento +Y exc.+	47.7	-2.5	-59.3	-2.2	-65.2	-0.0
	Viento +Y exc.-	36.7	-0.9	-42.2	-0.7	-48.6	-0.0
	Viento -Y exc.+	-47.7	2.5	59.3	2.2	65.2	0.0
	Viento -Y exc.-	-36.7	0.9	42.2	0.7	48.6	0.0
P76	Peso propio	2861.2	-0.6	-13.5	-0.5	-14.6	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	863.9	0.5	1.5	0.5	1.0	0.0
	H 1	-3.0	-0.0	-2.1	-0.0	-2.2	0.0
	Sobrecarga de uso	810.7	4.1	8.6	3.8	7.9	0.0
	Viento +X exc.+	-5.0	-10.6	7.5	-9.9	7.3	0.0
	Viento +X exc.-	-4.1	-10.7	5.9	-10.0	5.7	0.0
	Viento -X exc.+	5.0	10.6	-7.5	9.9	-7.3	0.0
	Viento -X exc.-	4.1	10.7	-5.9	10.0	-5.7	0.0
	Viento +Y exc.+	48.1	-2.5	-67.3	-2.2	-72.8	-0.0
	Viento +Y exc.-	35.5	-0.9	-45.6	-0.7	-51.6	-0.0
	Viento -Y exc.+	-48.1	2.5	67.3	2.2	72.8	0.0
	Viento -Y exc.-	-35.5	0.9	45.6	0.7	51.6	0.0
P77	Peso propio	2865.2	-6.0	-12.5	-5.4	-13.1	0.0
	Cargas muertas	887.0	-10.3	-13.3	-9.4	-13.0	0.0
	H 1	-3.1	-0.0	-2.7	0.0	-2.7	0.0
	Sobrecarga de uso	804.4	-4.6	15.3	-4.2	14.2	0.0
	Viento +X exc.+	-2.1	-13.2	4.3	-12.5	4.2	0.0
	Viento +X exc.-	-1.2	-13.4	3.4	-12.7	3.3	0.0
	Viento -X exc.+	2.1	13.2	-4.3	12.5	-4.2	0.0
	Viento -X exc.-	1.2	13.4	-3.4	12.7	-3.3	0.0
	Viento +Y exc.+	48.8	-3.1	-31.2	-2.9	-35.8	-0.0
	Viento +Y exc.-	34.2	-1.1	-18.4	-0.9	-23.4	-0.0
	Viento -Y exc.+	-48.8	3.1	31.2	2.9	35.8	0.0
	Viento -Y exc.-	-34.2	1.1	18.4	0.9	23.4	0.0
P78	Peso propio	2692.3	-22.4	14.2	-20.6	12.3	0.0
	Cargas muertas	1143.8	-6.3	-12.6	-5.8	-12.3	0.0
	H 1	-2.5	-0.0	-2.5	0.0	-2.5	0.0
	Sobrecarga de uso	797.8	-6.5	27.7	-6.0	26.0	0.0
	Viento +X exc.+	-1.9	-14.3	5.1	-13.6	4.9	0.0
	Viento +X exc.-	-0.7	-14.5	4.0	-13.7	3.9	0.0
	Viento -X exc.+	1.9	14.3	-5.1	13.6	-4.9	0.0
	Viento -X exc.-	0.7	14.5	-4.0	13.7	-3.9	0.0
	Viento +Y exc.+	51.2	-3.0	-36.4	-2.7	-40.7	-0.0
	Viento +Y exc.-	34.3	-1.0	-21.2	-0.8	-25.8	-0.0
	Viento -Y exc.+	-51.2	3.0	36.4	2.7	40.7	0.0
	Viento -Y exc.-	-34.3	1.0	21.2	0.8	25.8	0.0
P79	Peso propio	2770.6	-25.7	28.1	-24.2	25.3	0.0
	Cargas muertas	863.7	-9.2	1.9	-8.6	1.5	0.0
	H 1	-8.7	2.4	-0.3	2.3	-0.4	0.0
	Sobrecarga de uso	860.9	-7.1	23.8	-6.7	21.7	0.0
	Viento +X exc.+	-14.9	-16.1	5.2	-15.9	4.8	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-14.1	-16.2	4.0	-16.1	3.8	0.0
	Viento -X exc.+	14.9	16.1	-5.2	15.9	-4.8	0.0
	Viento -X exc.-	14.1	16.2	-4.0	16.1	-3.8	0.0
	Viento +Y exc.+	34.8	-2.9	-38.9	-2.7	-39.0	-0.0
	Viento +Y exc.-	23.6	-0.9	-23.0	-0.6	-24.2	-0.0
	Viento -Y exc.+	-34.8	2.9	38.9	2.7	39.0	0.0
	Viento -Y exc.-	-23.6	0.9	23.0	0.6	24.2	0.0
P80	Peso propio	625.3	54.4	1.5	109.3	56.5	-0.8
	Cargas muertas	281.4	25.1	0.4	50.5	25.9	-0.3
	H 1	54.0	-19.3	-5.0	-41.3	-18.3	1.4
	Sobrecarga de uso	176.6	15.4	0.4	31.4	17.0	-0.2
	Viento +X exc.+	41.8	-7.3	1.3	-12.8	2.5	-0.2
	Viento +X exc.-	40.9	-7.3	1.3	-12.9	2.3	-0.1
	Viento -X exc.+	-41.8	7.3	-1.3	12.8	-2.5	0.2
	Viento -X exc.-	-40.9	7.3	-1.3	12.9	-2.3	0.1
	Viento +Y exc.+	-152.8	1.1	3.7	8.7	19.1	0.6
	Viento +Y exc.-	-141.1	1.4	4.5	8.9	22.1	0.4
	Viento -Y exc.+	152.8	-1.1	-3.7	-8.7	-19.1	-0.6
	Viento -Y exc.-	141.1	-1.4	-4.5	-8.9	-22.1	-0.4
P81	Peso propio	2140.6	13.4	-78.6	12.7	-74.6	0.0
	Cargas muertas	975.0	9.6	-43.4	9.1	-40.9	0.0
	H 1	-46.8	-1.0	-3.8	-0.9	-3.6	0.0
	Sobrecarga de uso	650.5	4.1	-19.5	3.8	-18.5	0.0
	Viento +X exc.+	-4.7	-15.3	-1.1	-14.8	-1.2	0.0
	Viento +X exc.-	-4.4	-15.7	-0.9	-15.2	-0.9	0.0
	Viento -X exc.+	4.7	15.3	1.1	14.8	1.2	0.0
	Viento -X exc.-	4.4	15.7	0.9	15.2	0.9	0.0
	Viento +Y exc.+	-14.5	-9.0	-5.8	-8.2	-10.8	-0.0
	Viento +Y exc.-	-18.4	-3.5	-9.4	-2.9	-14.7	-0.0
	Viento -Y exc.+	14.5	9.0	5.8	8.2	10.8	0.0
	Viento -Y exc.-	18.4	3.5	9.4	2.9	14.7	0.0
P82	Peso propio	2157.3	-22.4	-85.1	-20.8	-80.6	0.0
	Cargas muertas	828.0	-16.6	-49.0	-15.4	-46.1	0.0
	H 1	-46.7	0.6	-3.9	0.6	-3.6	0.0
	Sobrecarga de uso	659.7	-6.2	-20.7	-5.7	-19.6	0.0
	Viento +X exc.+	1.4	-15.5	-0.1	-14.9	-0.2	0.0
	Viento +X exc.-	1.6	-15.9	0.0	-15.3	-0.1	0.0
	Viento -X exc.+	-1.4	15.5	0.1	14.9	0.2	0.0
	Viento -X exc.-	-1.6	15.9	-0.0	15.3	0.1	0.0
	Viento +Y exc.+	-17.4	-8.5	-9.0	-7.8	-13.7	-0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P83	Viento +Y exc.-	-19.8	-2.9	-10.6	-2.3	-15.7	-0.0
	Viento -Y exc.+	17.4	8.5	9.0	7.8	13.7	0.0
	Viento -Y exc.-	19.8	2.9	10.6	2.3	15.7	0.0
	Peso propio	262.7	0.1	3.6	-1.1	11.2	0.0
	Cargas muertas	142.0	0.1	1.7	0.1	5.2	0.0
	H 1	-22.3	3.7	2.6	6.8	5.0	-0.2
	Sobrecarga de uso	67.7	0.2	1.0	0.2	3.1	0.0
	Viento +X exc.+	-16.6	-0.1	0.3	0.0	0.7	0.1
	Viento +X exc.-	-15.6	-0.1	0.2	0.1	0.4	0.1
	Viento -X exc.+	16.6	0.1	-0.3	-0.0	-0.7	-0.1
	Viento -X exc.-	15.6	0.1	-0.2	-0.1	-0.4	-0.1
	Viento +Y exc.+	-130.8	-0.9	10.6	-11.9	32.4	-0.1
	Viento +Y exc.-	-146.1	-1.0	11.8	-13.5	36.5	-0.1
	Viento -Y exc.+	130.8	0.9	-10.6	11.9	-32.4	0.1
	Viento -Y exc.-	146.1	1.0	-11.8	13.5	-36.5	0.1
P84	Peso propio	215.4	0.7	-73.2	0.1	-109.4	-0.3
	Cargas muertas	67.9	0.3	-31.1	-0.2	-45.9	-0.1
	H 1	97.3	-0.4	36.0	-1.3	62.2	0.1
	Sobrecarga de uso	64.6	0.2	-20.4	-0.1	-30.9	-0.1
	Viento +X exc.+	-3.8	0.3	-1.4	2.0	-2.1	0.0
	Viento +X exc.-	-2.5	0.3	-1.1	2.1	-1.6	0.1
	Viento -X exc.+	3.8	-0.3	1.4	-2.0	2.1	-0.0
	Viento -X exc.-	2.5	-0.3	1.1	-2.1	1.6	-0.1
	Viento +Y exc.+	21.9	-0.7	1.7	-3.2	-1.6	0.0
	Viento +Y exc.-	2.7	-1.0	-2.8	-4.7	-8.1	0.0
	Viento -Y exc.+	-21.9	0.7	-1.7	3.2	1.6	-0.0
	Viento -Y exc.-	-2.7	1.0	2.8	4.7	8.1	-0.0
P85	Peso propio	178.2	-0.2	-83.5	-0.6	-123.2	-0.0
	Cargas muertas	36.3	-0.2	-42.9	-0.7	-62.0	-0.0
	H 1	95.4	-0.2	35.1	-1.1	60.6	0.0
	Sobrecarga de uso	53.6	-0.1	-23.4	-0.2	-34.8	-0.0
	Viento +X exc.+	-4.4	0.3	-1.1	2.1	-1.6	0.1
	Viento +X exc.-	-3.4	0.4	-0.8	2.2	-1.2	0.1
	Viento -X exc.+	4.4	-0.3	1.1	-2.1	1.6	-0.1
	Viento -X exc.-	3.4	-0.4	0.8	-2.2	1.2	-0.1
	Viento +Y exc.+	13.9	-0.7	0.1	-2.9	-3.6	0.0
	Viento +Y exc.-	-0.4	-0.9	-3.6	-4.4	-9.0	0.0
	Viento -Y exc.+	-13.9	0.7	-0.1	2.9	3.6	-0.0
	Viento -Y exc.-	0.4	0.9	3.6	4.4	9.0	-0.0
P86	Peso propio	184.8	-0.5	-77.0	-0.5	-111.5	0.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	65.4	-0.2	-37.6	-0.3	-53.9	0.0
	H 1	94.2	-0.7	33.7	-2.4	57.3	0.2
	Sobrecarga de uso	54.7	-0.1	-21.0	-0.1	-30.7	0.0
	Viento +X exc.+	-3.1	0.3	-0.8	2.1	-1.2	0.1
	Viento +X exc.-	-2.4	0.3	-0.6	2.2	-0.9	0.1
	Viento -X exc.+	3.1	-0.3	0.8	-2.1	1.2	-0.1
	Viento -X exc.-	2.4	-0.3	0.6	-2.2	0.9	-0.1
	Viento +Y exc.+	5.5	-0.7	-1.4	-3.0	-5.4	0.0
	Viento +Y exc.-	-5.3	-1.0	-4.0	-4.5	-9.3	0.0
	Viento -Y exc.+	-5.5	0.7	1.4	3.0	5.4	-0.0
	Viento -Y exc.-	5.3	1.0	4.0	4.5	9.3	-0.0
P87	Peso propio	303.3	0.2	-132.1	-0.5	-165.3	-0.2
	Cargas muertas	155.3	-0.4	-69.3	-1.6	-86.6	0.0
	H 1	68.2	-0.0	44.1	0.0	65.0	-0.0
	Sobrecarga de uso	79.3	0.2	-38.9	0.0	-48.7	-0.1
	Viento +X exc.+	2.6	0.4	0.3	2.1	0.2	0.1
	Viento +X exc.-	2.4	0.4	0.3	2.3	0.2	0.1
	Viento -X exc.+	-2.6	-0.4	-0.3	-2.1	-0.2	-0.1
	Viento -X exc.-	-2.4	-0.4	-0.3	-2.3	-0.2	-0.1
	Viento +Y exc.+	-3.7	-0.7	-5.5	-2.6	-12.3	0.0
	Viento +Y exc.-	-2.2	-1.0	-5.0	-4.1	-12.2	0.0
	Viento -Y exc.+	3.7	0.7	5.5	2.6	12.3	-0.0
	Viento -Y exc.-	2.2	1.0	5.0	4.1	12.2	-0.0
P88	Peso propio	273.8	-0.3	-111.4	-0.8	-137.6	0.0
	Cargas muertas	102.6	-0.3	-46.7	-0.7	-57.3	0.0
	H 1	69.8	-0.1	44.0	-0.7	63.7	0.0
	Sobrecarga de uso	71.6	-0.2	-37.6	-0.3	-46.1	0.0
	Viento +X exc.+	1.5	0.3	0.8	1.9	0.8	0.1
	Viento +X exc.-	1.1	0.3	0.6	2.0	0.6	0.1
	Viento -X exc.+	-1.5	-0.3	-0.8	-1.9	-0.8	-0.1
	Viento -X exc.-	-1.1	-0.3	-0.6	-2.0	-0.6	-0.1
	Viento +Y exc.+	-12.1	-0.7	-8.8	-2.7	-15.6	0.0
	Viento +Y exc.-	-6.3	-1.0	-7.0	-4.1	-14.1	0.0
	Viento -Y exc.+	12.1	0.7	8.8	2.7	15.6	-0.0
	Viento -Y exc.-	6.3	1.0	7.0	4.1	14.1	-0.0
P89	Peso propio	274.7	-0.7	-110.8	-2.8	-140.1	0.1
	Cargas muertas	92.7	-0.4	-43.6	-1.5	-54.7	0.0
	H 1	66.8	0.0	43.7	0.3	64.1	-0.0
	Sobrecarga de uso	79.3	-0.2	-32.9	-0.9	-41.8	0.0
	Viento +X exc.+	2.7	0.3	1.1	2.0	1.1	0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	2.0	0.4	0.8	2.1	0.9	0.1
	Viento -X exc.+	-2.7	-0.3	-1.1	-2.0	-1.1	-0.1
	Viento -X exc.-	-2.0	-0.4	-0.8	-2.1	-0.9	-0.1
	Viento +Y exc.+	-18.0	-0.7	-10.9	-2.8	-18.3	0.0
	Viento +Y exc.-	-9.1	-1.0	-7.8	-4.3	-15.1	0.0
	Viento -Y exc.+	18.0	0.7	10.9	2.8	18.3	-0.0
	Viento -Y exc.-	9.1	1.0	7.8	4.3	15.1	-0.0
P90	Peso propio	272.1	-0.7	-109.2	-2.6	-132.8	0.1
	Cargas muertas	97.4	-0.3	-43.9	-1.4	-53.1	0.0
	H 1	71.7	-0.1	44.0	-0.5	62.5	0.0
	Sobrecarga de uso	74.6	-0.1	-35.8	-0.6	-43.4	-0.0
	Viento +X exc.+	4.0	0.3	1.5	1.9	1.6	0.1
	Viento +X exc.-	3.1	0.3	1.2	2.0	1.3	0.1
	Viento -X exc.+	-4.0	-0.3	-1.5	-1.9	-1.6	-0.1
	Viento -X exc.-	-3.1	-0.3	-1.2	-2.0	-1.3	-0.1
	Viento +Y exc.+	-25.2	-0.7	-13.1	-2.7	-20.0	0.0
	Viento +Y exc.-	-12.8	-1.0	-8.7	-4.1	-15.3	0.0
	Viento -Y exc.+	25.2	0.7	13.1	2.7	20.0	-0.0
	Viento -Y exc.-	12.8	1.0	8.7	4.1	15.3	-0.0
P91	Peso propio	272.8	-0.3	-111.1	-0.2	-136.6	-0.1
	Cargas muertas	107.8	-0.2	-45.9	-0.6	-56.3	-0.0
	H 1	72.3	-0.2	44.9	-1.4	64.7	0.1
	Sobrecarga de uso	70.6	-0.1	-38.9	-0.0	-47.5	-0.0
	Viento +X exc.+	4.9	0.3	1.9	2.0	2.1	0.1
	Viento +X exc.-	3.8	0.4	1.5	2.1	1.6	0.1
	Viento -X exc.+	-4.9	-0.3	-1.9	-2.0	-2.1	-0.1
	Viento -X exc.-	-3.8	-0.4	-1.5	-2.1	-1.6	-0.1
	Viento +Y exc.+	-31.3	-0.7	-15.4	-2.7	-22.5	0.0
	Viento +Y exc.-	-15.6	-1.0	-9.7	-4.1	-16.3	0.0
	Viento -Y exc.+	31.3	0.7	15.4	2.7	22.5	-0.0
	Viento -Y exc.-	15.6	1.0	9.7	4.1	16.3	-0.0
P92	Peso propio	282.8	-0.7	-110.4	-2.9	-139.9	0.1
	Cargas muertas	122.0	-0.4	-47.0	-1.6	-59.6	0.0
	H 1	70.7	0.2	46.4	0.7	69.2	-0.1
	Sobrecarga de uso	77.5	-0.3	-35.6	-1.0	-45.1	0.1
	Viento +X exc.+	5.8	0.3	2.3	2.0	2.6	0.1
	Viento +X exc.-	4.5	0.4	1.8	2.1	2.0	0.1
	Viento -X exc.+	-5.8	-0.3	-2.3	-2.0	-2.6	-0.1
	Viento -X exc.-	-4.5	-0.4	-1.8	-2.1	-2.0	-0.1
	Viento +Y exc.+	-36.4	-0.8	-18.3	-3.0	-26.2	0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-17.7	-1.0	-11.1	-4.4	-18.0	0.0
	Viento -Y exc.+	36.4	0.8	18.3	3.0	26.2	-0.1
	Viento -Y exc.-	17.7	1.0	11.1	4.4	18.0	-0.0
P93	Peso propio	274.6	0.1	-108.8	-0.6	-132.7	-0.1
	Cargas muertas	100.7	-0.1	-44.2	-0.8	-53.7	-0.0
	H 1	70.1	-1.0	44.0	-3.0	63.2	0.3
	Sobrecarga de uso	78.8	0.2	-37.2	0.2	-45.3	-0.1
	Viento +X exc.+	6.7	0.3	2.7	2.0	3.1	0.1
	Viento +X exc.-	5.2	0.3	2.1	2.1	2.4	0.1
	Viento -X exc.+	-6.7	-0.3	-2.7	-2.0	-3.1	-0.1
	Viento -X exc.-	-5.2	-0.3	-2.1	-2.1	-2.4	-0.1
	Viento +Y exc.+	-39.9	-0.7	-20.2	-2.8	-27.5	0.0
	Viento +Y exc.-	-18.7	-0.9	-11.7	-4.2	-18.1	0.0
	Viento -Y exc.+	39.9	0.7	20.2	2.8	27.5	-0.0
	Viento -Y exc.-	18.7	0.9	11.7	4.2	18.1	0.0
P94	Peso propio	267.8	-0.4	-113.0	-0.9	-135.6	-0.0
	Cargas muertas	99.3	-0.2	-45.5	-0.8	-54.4	-0.0
	H 1	75.3	-0.4	44.2	-1.5	62.0	0.1
	Sobrecarga de uso	73.8	-0.1	-43.4	-0.2	-51.6	-0.0
	Viento +X exc.+	8.0	0.3	3.1	1.9	3.5	0.1
	Viento +X exc.-	6.3	0.3	2.4	2.0	2.7	0.1
	Viento -X exc.+	-8.0	-0.3	-3.1	-1.9	-3.5	-0.1
	Viento -X exc.-	-6.3	-0.3	-2.4	-2.0	-2.7	-0.1
	Viento +Y exc.+	-46.1	-0.7	-22.2	-2.6	-29.3	0.0
	Viento +Y exc.-	-21.7	-1.0	-12.6	-4.1	-18.6	0.0
	Viento -Y exc.+	46.1	0.7	22.2	2.6	29.3	-0.0
	Viento -Y exc.-	21.7	1.0	12.6	4.1	18.6	-0.0
P95	Peso propio	290.8	-0.4	-106.0	0.3	-131.1	0.1
	Cargas muertas	99.4	-0.3	-41.0	-0.5	-50.3	0.0
	H 1	72.8	-0.3	44.7	-1.8	64.6	0.1
	Sobrecarga de uso	87.8	-0.2	-40.0	0.2	-49.2	0.1
	Viento +X exc.+	7.1	0.3	3.5	1.9	4.0	0.1
	Viento +X exc.-	5.3	0.4	2.7	2.0	3.1	0.1
	Viento -X exc.+	-7.1	-0.3	-3.5	-1.9	-4.0	-0.1
	Viento -X exc.-	-5.3	-0.4	-2.7	-2.0	-3.1	-0.1
	Viento +Y exc.+	-49.3	-0.7	-23.6	-2.4	-31.1	0.0
	Viento +Y exc.-	-22.4	-1.0	-12.9	-4.0	-19.0	0.0
	Viento -Y exc.+	49.3	0.7	23.6	2.4	31.1	-0.0
	Viento -Y exc.-	22.4	1.0	12.9	4.0	19.0	-0.0
P96	Peso propio	226.7	0.7	1.7	4.0	3.4	-0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	120.9	0.4	0.7	2.1	1.1	-0.1
	H 1	-9.7	-3.7	3.1	-8.2	9.3	0.7
	Sobrecarga de uso	59.4	0.2	0.4	1.2	0.9	-0.0
	Viento +X exc.+	5.5	0.6	-0.1	2.6	-0.2	0.0
	Viento +X exc.-	5.0	0.6	-0.1	2.6	-0.2	0.0
	Viento -X exc.+	-5.5	-0.6	0.1	-2.6	0.2	-0.0
	Viento -X exc.-	-5.0	-0.6	0.1	-2.6	0.2	-0.0
	Viento +Y exc.+	-76.5	-1.1	8.7	0.6	24.1	0.2
	Viento +Y exc.-	-69.6	-1.3	8.8	-0.6	24.4	0.1
	Viento -Y exc.+	76.5	1.1	-8.7	-0.6	-24.1	-0.2
	Viento -Y exc.-	69.6	1.3	-8.8	0.6	-24.4	-0.1
M1	Peso propio	26846	-57979	930.9	175.0	994.5	-2654
	Cargas muertas	18461	-36858	593.7	85.1	652.7	-1134
	H 1	-900.1	3100.6	-2547	-221.3	-5063	3627.8
	Sobrecarga de uso	8745.5	-19971	341.6	35.3	365.3	-951.2
	Viento +X exc.+	7.2	1084.0	5.3	1177.7	5.2	322.5
	Viento +X exc.-	11.3	2354.3	4.1	1139.2	4.1	263.5
	Viento -X exc.+	-7.2	-1084	-5.3	-1178	-5.2	-322.5
	Viento -X exc.-	-11.3	-2354	-4.1	-1139	-4.1	-263.5
	Viento +Y exc.+	2483.8	21570	44.8	649.4	-18.0	-1144
	Viento +Y exc.-	2412.1	596.9	61.7	1199.3	-2.4	-333.2
	Viento -Y exc.+	-2484	-21570	-44.8	-649.4	18.0	1144.3
	Viento -Y exc.-	-2412	-596.9	-61.7	-1199	2.4	333.2
M2	Peso propio	1444.8	146.7	-2129	159.4	341.3	-44.5
	Cargas muertas	632.0	54.9	-967.0	61.4	127.7	-3.1
	H 1	-51.7	-184.1	282.6	-360.6	40.2	260.9
	Sobrecarga de uso	361.3	37.1	-646.1	41.0	101.7	-6.6
	Viento +X exc.+	-6.2	-2.0	61.6	-4.3	-9.6	-14.6
	Viento +X exc.-	-6.9	-2.1	63.9	-4.4	-6.1	-14.8
	Viento -X exc.+	6.2	2.0	-61.6	4.3	9.6	14.6
	Viento -X exc.-	6.9	2.1	-63.9	4.4	6.1	14.8
	Viento +Y exc.+	-117.1	-0.5	424.8	0.1	586.9	5.1
	Viento +Y exc.-	-107.4	-0.2	395.6	0.9	539.0	6.6
	Viento -Y exc.+	117.1	0.5	-424.8	-0.1	-586.9	-5.1
	Viento -Y exc.-	107.4	0.2	-395.6	-0.9	-539.0	-6.6
M3	Peso propio	20951	-9031	-2215	-211.2	-2463	1727.5
	Cargas muertas	8455.3	-12729	-852.2	-168.4	-965.5	2692.4
	H 1	-769.5	1098.1	2518.8	-37.5	5175.6	-5047
	Sobrecarga de uso	5688.1	7761.0	-693.0	-68.8	-774.6	-2298
	Viento +X exc.+	-4.3	2841.6	7.2	781.2	10.1	486.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	-1.5	2732.8	5.7	816.6	8.1	369.5
	Viento -X exc.+	4.3	-2842	-7.2	-781.2	-10.1	-486.2
	Viento -X exc.-	1.5	-2733	-5.7	-816.6	-8.1	-369.5
	Viento +Y exc.+	-696.9	-706.4	19.1	-580.5	-83.3	-2790
	Viento +Y exc.-	-737.8	1014.0	40.7	-1085	-55.6	-1128
	Viento -Y exc.+	696.9	706.4	-19.1	580.5	83.3	2790.3
	Viento -Y exc.-	737.8	-1014	-40.7	1085.4	55.6	1127.8
M5	Peso propio	680.7	26.7	-99.6	24.7	85.5	-0.5
	Cargas muertas	330.8	8.2	-78.8	8.2	32.3	0.6
	H 1	-0.2	-81.6	30.5	-191.0	93.2	-20.6
	Sobrecarga de uso	174.8	10.1	-26.4	9.3	19.5	-0.9
	Viento +X exc.+	-9.8	0.6	-38.6	0.9	1.6	0.1
	Viento +X exc.-	-9.0	0.6	-36.1	0.9	3.7	0.0
	Viento -X exc.+	9.8	-0.6	38.6	-0.9	-1.6	-0.1
	Viento -X exc.-	9.0	-0.6	36.1	-0.9	-3.7	-0.0
	Viento +Y exc.+	146.1	-1.0	416.8	-2.4	345.8	-5.7
	Viento +Y exc.-	135.8	-1.0	384.5	-2.0	318.4	-3.9
	Viento -Y exc.+	-146.1	1.0	-416.8	2.4	-345.8	5.7
	Viento -Y exc.-	-135.8	1.0	-384.5	2.0	-318.4	3.9
M6	Peso propio	8397.0	-542.4	31292	-547.6	800.1	-1597
	Cargas muertas	4959.2	-240.0	27865	-250.3	121.6	-156.5
	H 1	-234.0	900.0	-1501	1795.5	-1.3	1472.4
	Sobrecarga de uso	2402.9	-151.0	13003	-153.8	193.1	-241.3
	Viento +X exc.+	-121.6	-24.3	-535.2	-31.8	179.3	142.6
	Viento +X exc.-	-121.2	-24.1	-591.2	-31.6	134.0	137.7
	Viento -X exc.+	121.6	24.3	535.2	31.8	-179.3	-142.6
	Viento -X exc.-	121.2	24.1	591.2	31.6	-134.0	-137.7
	Viento +Y exc.+	-30.0	3.0	4574.5	3.9	4233.4	-186.0
	Viento +Y exc.-	-37.5	0.9	5434.7	1.7	4895.0	-116.8
	Viento -Y exc.+	30.0	-3.0	-4575	-3.9	-4233	186.0
	Viento -Y exc.-	37.5	-0.9	-5435	-1.7	-4895	116.8
M4	Peso propio	998.8	69.9	2308.2	65.3	291.7	-444.4
	Cargas muertas	361.0	93.3	2436.5	86.1	74.4	-583.3
	H 1	33.9	-1111	-191.6	-1480	16.7	-1351
	Sobrecarga de uso	78.7	18.2	623.5	17.0	82.3	-114.8
	Viento +X exc.+	49.4	4.4	131.1	3.8	-62.9	-20.6
	Viento +X exc.-	47.6	4.3	150.8	3.8	-49.6	-20.1
	Viento -X exc.+	-49.4	-4.4	-131.1	-3.8	62.9	20.6
	Viento -X exc.-	-47.6	-4.3	-150.8	-3.8	49.6	20.1
	Viento +Y exc.+	-97.6	0.8	3366.7	0.7	1546.9	-2.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-73.2	1.8	3104.2	1.6	1366.2	-9.4
	Viento -Y exc.+	97.6	-0.8	-3367	-0.7	-1547	2.2
	Viento -Y exc.-	73.2	-1.8	-3104	-1.6	-1366	9.4
M8	Peso propio	5861.2	135.1	1012.8	187.2	265.3	600.7
	Cargas muertas	3939.7	52.2	1091.2	87.5	-8.6	374.5
	H 1	-259.7	-342.0	182.0	-783.4	25.8	158.0
	Sobrecarga de uso	1804.7	43.7	698.0	61.5	63.3	129.7
	Viento +X exc.+	51.4	-9.1	161.0	-14.0	-44.7	-16.5
	Viento +X exc.-	50.1	-9.0	200.0	-13.9	-36.1	-17.8
	Viento -X exc.+	-51.4	9.1	-161.0	14.0	44.7	16.5
	Viento -X exc.-	-50.1	9.0	-200.0	13.9	36.1	17.8
	Viento +Y exc.+	-44.3	2.4	2503.7	3.6	1646.5	-69.4
	Viento +Y exc.-	-20.3	1.5	1870.5	2.1	1534.9	-50.3
	Viento -Y exc.+	44.3	-2.4	-2504	-3.6	-1646	69.4
	Viento -Y exc.-	20.3	-1.5	-1870	-2.1	-1535	50.3
M9	Peso propio	93.7	0.5	0.1	-0.2	0.1	1.1
	Cargas muertas	2.8	0.1	0.0	-0.0	0.0	0.0
	H 1	1.2	-83.0	16.7	-75.9	21.7	-15.1
	Sobrecarga de uso	2.1	0.2	0.0	-0.0	0.0	0.0
	Viento +X exc.+	0.1	-0.2	-0.0	0.0	-0.0	0.0
	Viento +X exc.-	0.1	-0.1	-0.0	0.0	-0.0	0.0
	Viento -X exc.+	-0.1	0.2	0.0	-0.0	0.0	-0.0
	Viento -X exc.-	-0.1	0.1	0.0	-0.0	0.0	-0.0
	Viento +Y exc.+	-3.9	5.2	0.2	-0.1	0.2	-0.4
	Viento +Y exc.-	-3.5	4.6	0.1	-0.0	0.2	-0.3
	Viento -Y exc.+	3.9	-5.2	-0.2	0.1	-0.2	0.4
	Viento -Y exc.-	3.5	-4.6	-0.1	0.0	-0.2	0.3
M10	Peso propio	490.1	12.2	-42.3	0.5	-0.4	-3.4
	Cargas muertas	14.2	0.5	-1.7	0.0	-0.0	-0.1
	H 1	-32.3	65.5	-258.6	-9.5	10.9	50.1
	Sobrecarga de uso	11.4	0.4	-1.2	0.0	-0.0	-0.1
	Viento +X exc.+	-0.0	0.0	-0.2	0.0	0.0	0.0
	Viento +X exc.-	-0.0	0.0	-0.1	0.0	0.0	0.0
	Viento -X exc.+	0.0	-0.0	0.2	0.0	0.0	-0.0
	Viento -X exc.-	0.0	-0.0	0.1	0.0	0.0	0.0
	Viento +Y exc.+	0.5	-1.3	4.8	0.0	0.0	-0.1
	Viento +Y exc.-	0.5	-1.2	4.2	0.0	0.0	-0.1
	Viento -Y exc.+	-0.5	1.3	-4.8	-0.0	-0.0	0.1
	Viento -Y exc.-	-0.5	1.2	-4.2	-0.0	-0.0	0.1
M11	Peso propio	232.3	19.2	6.4	98.0	9.5	0.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Cargas muertas	85.8	0.8	3.4	45.4	4.4	0.7
	H 1	2.4	-18.0	-2.4	-41.9	-4.6	2.0
	Sobrecarga de uso	45.9	4.9	1.8	35.8	2.8	0.1
	Viento +X exc.+	-12.1	25.8	-0.2	24.0	-0.2	0.5
	Viento +X exc.-	-11.2	26.4	-0.1	24.7	-0.1	0.5
	Viento -X exc.+	12.1	-25.8	0.2	-24.0	0.2	-0.5
	Viento -X exc.-	11.2	-26.4	0.1	-24.7	0.1	-0.5
	Viento +Y exc.+	155.3	-31.4	6.7	7.7	7.0	-2.0
	Viento +Y exc.-	142.3	-39.6	6.0	-3.3	6.3	-2.1
	Viento -Y exc.+	-155.3	31.4	-6.7	-7.7	-7.0	2.0
	Viento -Y exc.-	-142.3	39.6	-6.0	3.3	-6.3	2.1
M13	Peso propio	239.1	-66.0	252.1	-22.2	98.1	-13.7
	Cargas muertas	22.6	-29.8	117.3	-6.2	32.6	-7.7
	H 1	-16.3	-14.4	44.5	-17.9	60.6	-6.5
	Sobrecarga de uso	4.2	-18.6	70.2	-6.8	28.3	-3.1
	Viento +X exc.+	31.7	9.7	-30.7	10.4	-33.7	-1.0
	Viento +X exc.-	31.3	7.7	-23.2	9.5	-30.2	-1.2
	Viento -X exc.+	-31.7	-9.7	30.7	-10.4	33.7	1.0
	Viento -X exc.-	-31.3	-7.7	23.2	-9.5	30.2	1.2
	Viento +Y exc.+	-170.1	-242.3	871.1	-129.6	475.3	-11.3
	Viento +Y exc.-	-164.9	-214.6	768.7	-117.5	428.3	-9.2
	Viento -Y exc.+	170.1	242.3	-871.1	129.6	-475.3	11.3
	Viento -Y exc.-	164.9	214.6	-768.7	117.5	-428.3	9.2
M13	Peso propio	75.2	-2.2	3.4	1.6	2.5	-1.1
	Cargas muertas	20.6	-1.7	1.6	0.6	0.6	-0.7
	H 1	2.4	-1.9	0.6	-4.3	1.6	0.2
	Sobrecarga de uso	9.7	-0.4	0.9	1.1	0.4	-0.3
	Viento +X exc.+	1.7	5.6	-2.3	10.2	-4.3	0.2
	Viento +X exc.-	2.4	5.6	-2.3	10.2	-4.2	0.2
	Viento -X exc.+	-1.7	-5.6	2.3	-10.2	4.3	-0.2
	Viento -X exc.-	-2.4	-5.6	2.3	-10.2	4.2	-0.2
	Viento +Y exc.+	69.4	-18.5	11.4	-37.7	20.1	-0.7
	Viento +Y exc.-	59.9	-18.6	11.0	-37.4	19.4	-0.7
	Viento -Y exc.+	-69.4	18.5	-11.4	37.7	-20.1	0.7
	Viento -Y exc.-	-59.9	18.6	-11.0	37.4	-19.4	0.7
M14	Peso propio	73.1	-3.9	6.9	-9.0	13.5	-0.2
	Cargas muertas	19.0	-0.7	1.6	-2.9	3.8	0.1
	H 1	0.0	-1.7	2.1	-2.5	3.4	-0.1
	Sobrecarga de uso	8.9	-1.2	1.9	-2.6	3.6	-0.1
	Viento +X exc.+	3.1	3.4	-3.9	6.3	-7.6	0.2





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +X exc.-	3.8	3.2	-3.7	6.0	-7.2	0.2
	Viento -X exc.+	-3.1	-3.4	3.9	-6.3	7.6	-0.2
	Viento -X exc.-	-3.8	-3.2	3.7	-6.0	7.2	-0.2
	Viento +Y exc.+	62.9	-25.6	35.6	-47.3	63.8	-1.9
	Viento +Y exc.-	53.2	-23.8	32.8	-44.0	58.9	-1.8
	Viento -Y exc.+	-62.9	25.6	-35.6	47.3	-63.8	1.9
	Viento -Y exc.-	-53.2	23.8	-32.8	44.0	-58.9	1.8
M12	Peso propio	2967.1	-14.1	107.6	-19.8	-153.2	6.2
	Cargas muertas	978.1	-9.6	31.7	-11.9	-40.8	2.1
	H 1	-3.9	0.0	1.7	0.1	3.6	-0.0
	Sobrecarga de uso	894.7	-3.8	25.3	-5.6	-43.9	2.2
	Viento +X exc.+	-88.8	-9.9	143.6	-11.3	-119.4	5.2
	Viento +X exc.-	-79.8	-9.7	122.6	-11.1	-97.2	4.9
	Viento -X exc.+	88.8	9.9	-143.6	11.3	119.4	-5.2
	Viento -X exc.-	79.8	9.7	-122.6	11.1	97.2	-4.9
	Viento +Y exc.+	-513.4	2.1	1260.7	-1.6	-1041	6.7
	Viento +Y exc.-	-639.3	-0.7	1573.1	-5.8	-1371	10.5
	Viento -Y exc.+	513.4	-2.1	-1261	1.6	1040.8	-6.7
	Viento -Y exc.-	639.3	0.7	-1573	5.8	1371.3	-10.5
M15	Peso propio	2852.7	10.0	128.8	15.7	-181.7	-8.3
	Cargas muertas	937.2	5.0	34.5	7.5	-54.5	-3.8
	H 1	-4.9	-0.1	2.5	-0.1	4.0	0.0
	Sobrecarga de uso	837.4	2.7	31.7	4.4	-50.7	-2.7
	Viento +X exc.+	21.6	-9.9	-29.3	-10.9	1.9	4.4
	Viento +X exc.-	25.8	-9.7	-39.3	-10.8	11.9	4.4
	Viento -X exc.+	-21.6	9.9	29.3	10.9	-1.9	-4.4
	Viento -X exc.-	-25.8	9.7	39.3	10.8	-11.9	-4.4
	Viento +Y exc.+	-632.9	5.2	1476.4	10.1	-1293	-12.1
	Viento +Y exc.-	-694.9	3.0	1630.2	8.3	-1449	-12.1
	Viento -Y exc.+	632.9	-5.2	-1476	-10.1	1293.4	12.1
	Viento -Y exc.-	694.9	-3.0	-1630	-8.3	1449.3	12.1
M16	Peso propio	303.3	-194.3	-5.3	71.8	-3.9	-1.5
	Cargas muertas	148.0	-143.3	-9.3	43.3	-7.6	-1.4
	H 1	19.1	-6.1	100.1	-170.9	211.9	6.1
	Sobrecarga de uso	53.6	-66.2	-1.4	23.7	-1.1	0.0
	Viento +X exc.+	4.6	45.8	-0.5	50.8	-0.5	0.1
	Viento +X exc.-	4.2	45.2	-0.5	50.4	-0.5	0.1
	Viento -X exc.+	-4.6	-45.8	0.5	-50.8	0.5	-0.1
	Viento -X exc.-	-4.2	-45.2	0.5	-50.4	0.5	-0.1
	Viento +Y exc.+	-35.3	-27.9	8.6	15.5	10.4	-4.3



## Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Soporte	Hipótesis	Esfuerzos en arranques					
		N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
	Viento +Y exc.-	-29.9	-19.3	7.8	21.8	9.6	-4.7
	Viento -Y exc.+	35.3	27.9	-8.6	-15.5	-10.4	4.3
	Viento -Y exc.-	29.9	19.3	-7.8	-21.8	-9.6	4.7

## ÍNDICE

<b>1. SUMATORIO DE ESFUERZOS DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS Y PLANTA.....</b>	<b>2</b>
<b>1.1. Completo.....</b>	<b>2</b>



## 1. SUMATORIO DE ESFUERZOS DE PILARES, PANTALLAS Y MUROS POR HIPÓTESIS Y PLANTA

- Sólo se tienen en cuenta los esfuerzos de pilares, muros y pantallas, por lo que si la obra tiene vigas con vinculación exterior, vigas inclinadas, diagonales o estructuras 3D integradas, los esfuerzos de dichos elementos no se muestran en el siguiente listado.
- Este listado es de utilidad para conocer las cargas actuantes por encima de la cota de la base de los soportes sobre una planta, por lo que para casos tales como pilares apeados traccionados, los esfuerzos de dichos pilares tendrán la influencia no sólo de las cargas por encima sino también la de las cargas que recibe de plantas inferiores.

### 1.1. Completo

- Nota:

Junto a la referencia de cada soporte se indican las coordenadas X e Y del centro de gravedad (m) y en pilares, el ángulo (grados) de giro de los ejes locales respecto a los globales.

Tramo: Nivel inicial / nivel final del tramo entre plantas.

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P34 [8.738;31.965;0.0 grados] (HE 140 A)	34.97/35.11	Peso propio	2.1	0.0	1.4	-0.0	-0.7	0.0	2.1	18.8	70.1	-0.0	-0.7	-5.4
		Cargas muertas	6.6	0.1	5.2	-0.1	-3.0	0.0	6.6	57.3	214.7	-0.1	-3.0	-23.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	12.6	0.2	10.1	-0.1	-5.6	0.0	12.6	110.2	412.5	-0.1	-5.6	-45.2
		Viento +X exc.+	0.0	0.0	0.0	0.1	-0.0	0.0	0.0	0.0	0.1	0.1	-0.0	-1.7
		Viento +X exc.-	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.1	0.2	0.1	-0.0	-1.7
		Viento -X exc.+	-0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.0	-0.0	-0.1	-0.1	0.0	1.7
		Viento -X exc.-	-0.0	-0.0	-0.0	-0.1	0.0	0.0	-0.0	-0.1	-0.2	-0.1	0.0	1.7
		Viento +Y exc.+	-0.4	0.0	-1.3	0.0	0.4	-0.0	-0.4	-3.4	-13.7	0.0	0.4	3.8
		Viento +Y exc.-	-0.5	0.0	-1.6	-0.0	0.8	0.0	-0.5	-4.5	-18.1	-0.0	0.8	7.3
		Viento -Y exc.+	0.4	-0.0	1.3	-0.0	-0.4	0.0	0.4	3.4	13.7	-0.0	-0.4	-3.8
		Viento -Y exc.-	0.5	0.0	1.6	0.0	-0.8	-0.0	0.5	4.5	18.1	0.0	-0.8	-7.3
P35 [16.738;31.965;0.0 grados] (HE 160 A)	34.97/35.13	Peso propio	3.5	-0.0	2.5	-0.0	-1.2	0.0	3.5	58.8	114.8	-0.0	-1.2	-20.2
		Cargas muertas	12.0	-0.0	9.8	-0.0	-5.5	0.0	12.0	201.2	394.0	-0.0	-5.5	-91.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.0	-0.0	19.7	-0.0	-10.9	0.0	24.0	401.8	787.0	-0.0	-10.9	-181.8
		Viento +X exc.+	0.0	0.0	0.0	0.1	-0.0	0.0	0.0	0.0	0.0	0.1	-0.0	-1.9
		Viento +X exc.-	0.0	0.0	0.0	0.1	-0.0	-0.0	0.0	0.1	0.1	0.1	-0.0	-2.0
		Viento -X exc.+	-0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.0	-0.0	-0.0	-0.1	0.0	1.9
		Viento -X exc.-	-0.0	-0.0	-0.0	-0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	0.0	2.0
		Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.3	-0.0	-0.3	-5.2	-10.9	0.0	0.3	4.8
		Viento +Y exc.-	-0.4	-0.0	-1.2	-0.0	0.6	0.0	-0.4	-6.6	-13.8	-0.0	0.6	9.5
		Viento -Y exc.+	0.3	0.0	1.0	-0.0	-0.3	0.0	0.3	5.2	10.9	-0.0	-0.3	-4.8
		Viento -Y exc.-	0.4	0.0	1.2	0.0	-0.6	-0.0	0.4	6.6	13.8	0.0	-0.6	-9.5
P37 [48.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	-0.0	2.6	-0.1	-1.3	0.0	3.5	172.9	116.1	-0.1	-1.3	-59.8
		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	591.5	398.2	-0.0	-5.7	-277.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.5	0.0	24.2	1181.8	795.9	-0.1	-11.5	-555.6
		Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.1	0.0	0.2	-0.0	-5.9
		Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.1	0.0	0.2	-0.0	-6.0
		Viento -X exc.+	0.0	-0.1	-0.0	-0.2	0.0	-0.0	0.0	-0.1	-0.0	-0.2	0.0	5.9
		Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.1	-0.0	-0.2	0.0	6.0
		Viento +Y exc.+	-0.3	-0.0	-1.0	-0.0	0.6	-0.0	-0.3	-16.4	-11.8	-0.0	0.6	30.0
		Viento +Y exc.-	-0.4	-0.0	-1.1	-0.0	0.7	0.0	-0.4	-17.6	-12.6	-0.0	0.7	35.0
		Viento -Y exc.+	0.3	0.0	1.0	0.0	-0.6	0.0	0.3	16.4	11.8	0.0	-0.6	-30.0
		Viento -Y exc.-	0.4	0.0	1.1	0.0	-0.7	-0.0	0.4	17.6	12.6	0.0	-0.7	-35.0
P38 [56.738;31.965;0.0 grados]	34.97/35.13	Peso propio	3.5	-0.0	2.6	-0.0	-1.3	0.0	3.5	201.4	116.1	-0.0	-1.3	-72.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.8	0.0	12.1	688.6	398.2	-0.0	-5.8	-325.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.5	0.0	24.2	1375.6	795.7	-0.1	-11.5	-648.5
		Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.2	0.0	-6.0
		Viento +X exc.-	0.0	0.1	0.0	0.2	0.0	-0.0	0.0	0.1	0.0	0.2	0.0	-6.0
		Viento -X exc.+	0.0	-0.1	-0.0	-0.2	0.0	-0.0	0.0	-0.1	-0.0	-0.2	0.0	6.0
		Viento -X exc.-	0.0	-0.1	-0.0	-0.2	0.0	0.0	0.0	-0.1	-0.0	-0.2	0.0	6.0
		Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.6	-0.0	-0.3	-19.6	-12.1	0.0	0.6	36.3
		Viento +Y exc.-	-0.4	0.0	-1.1	-0.0	0.7	0.0	-0.4	-20.2	-12.4	-0.0	0.7	38.7
		Viento -Y exc.+	0.3	-0.0	1.0	-0.0	-0.6	0.0	0.3	19.6	12.1	-0.0	-0.6	-36.3
		Viento -Y exc.-	0.4	0.0	1.1	0.0	-0.7	-0.0	0.4	20.2	12.4	0.0	-0.7	-38.7
P39 [64.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.2	0.0	3.5	229.3	115.9	0.0	-1.2	-79.0
		Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	785.4	398.0	-0.0	-5.7	-369.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.4	0.0	24.2	1569.0	795.4	-0.0	-11.4	-737.5
		Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	-6.1
		Viento +X exc.-	0.0	0.1	-0.0	0.2	0.0	-0.0	0.0	0.0	-0.0	0.2	0.0	-6.1
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.0	6.1
		Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	-0.0	0.0	-0.2	-0.0	6.1
		Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	-23.0	-12.4	0.0	0.7	43.8
		Viento +Y exc.-	-0.4	-0.0	-1.1	-0.0	0.7	0.0	-0.4	-22.7	-12.3	-0.0	0.7	42.5
		Viento -Y exc.+	0.4	-0.0	1.1	-0.0	-0.7	0.0	0.4	23.0	12.4	-0.0	-0.7	-43.8
		Viento -Y exc.-	0.4	0.0	1.1	0.0	-0.7	-0.0	0.4	22.7	12.3	0.0	-0.7	-42.5
P40 [72.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.3	0.0	3.5	257.7	115.9	0.0	-1.3	-92.3
		Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	882.4	398.0	-0.0	-5.7	-415.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	1763.0	795.4	-0.1	-11.4	-829.4
		Viento +X exc.+	0.0	0.1	-0.0	0.2	0.0	0.0	0.0	-0.0	-0.0	0.2	0.0	-5.8
		Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	-0.0	-0.0	0.2	0.0	-5.7
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	0.0	0.0	-0.2	-0.0	5.8
		Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	0.0	0.0	-0.2	-0.0	5.7
		Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	-26.0	-12.5	0.0	0.7	52.3
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.6	0.0	-0.3	-24.5	-11.8	-0.0	0.6	46.0
		Viento -Y exc.+	0.4	0.0	1.1	-0.0	-0.7	0.0	0.4	26.0	12.5	-0.0	-0.7	-52.3
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.6	-0.0	0.3	24.5	11.8	0.0	-0.6	-46.0
P41 [80.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	-0.0	2.6	0.0	-1.2	0.0	3.5	285.2	115.5	-0.0	-1.2	-95.8
		Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	979.1	397.9	-0.0	-5.7	-459.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	1956.3	795.2	-0.1	-11.4	-918.2
		Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	-0.0	0.2	0.0	-5.7
		Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	-0.1	-0.1	0.2	0.0	-5.4
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	0.0	0.0	-0.2	-0.0	5.7
		Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	0.1	0.1	-0.2	-0.0	5.4
		Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.7	-0.0	-0.4	-29.5	-12.8	0.0	0.7	58.2
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.6	0.0	-0.3	-26.6	-11.6	-0.0	0.6	46.2
		Viento -Y exc.+	0.4	-0.0	1.1	-0.0	-0.7	0.0	0.4	29.5	12.8	-0.0	-0.7	-58.2
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.6	-0.0	0.3	26.6	11.6	0.0	-0.6	-46.2
P42 [88.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.2	0.0	3.5	313.8	115.6	0.0	-1.2	-110.2
		Cargas muertas	12.1	-0.0	10.2	-0.0	-5.7	0.0	12.1	1075.9	397.8	-0.0	-5.7	-504.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.4	0.0	24.2	2150.1	795.2	-0.1	-11.4	-1008
		Viento +X exc.+	-0.0	0.1	-0.0	0.2	0.0	0.0	-0.0	-0.1	-0.0	0.2	0.0	-5.5
		Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	-0.2	-0.1	0.2	0.0	-5.1
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	0.1	0.0	-0.2	-0.0	5.5
		Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	0.2	0.1	-0.2	-0.0	5.1
		Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.8	-0.0	-0.4	-32.5	-12.8	0.0	0.8	67.1
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.5	0.0	-0.3	-28.1	-11.1	-0.0	0.5	48.2
		Viento -Y exc.+	0.4	0.0	1.1	-0.0	-0.8	0.0	0.4	32.5	12.8	-0.0	-0.8	-67.1
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.5	-0.0	0.3	28.1	11.1	0.0	-0.5	-48.2
P43 [96.738;31.965;0.0 grados]	34.97/35.13	Peso propio	3.6	-0.0	2.6	-0.0	-1.2	0.0	3.6	345.4	116.8	-0.0	-1.2	-114.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	1175.1	398.6	-0.0	-5.7	-554.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.3	-0.0	20.9	-0.1	-11.5	0.0	24.3	2349.0	797.1	-0.1	-11.5	-1109
		Viento +X exc.+	-0.0	0.1	-0.0	0.2	0.0	0.0	-0.0	-0.0	-0.0	0.2	0.0	-5.3
		Viento +X exc.-	-0.0	0.1	-0.0	0.2	0.0	-0.0	-0.0	-0.2	-0.1	0.2	0.0	-4.8
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	-0.0	-0.0	0.0	0.0	0.0	-0.2	-0.0	5.3
		Viento -X exc.-	0.0	-0.1	0.0	-0.2	-0.0	0.0	0.0	0.2	0.1	-0.2	-0.0	4.8
		Viento +Y exc.+	-0.4	0.0	-1.1	0.0	0.8	-0.0	-0.4	-36.7	-13.2	0.0	0.8	74.3
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.5	0.0	-0.3	-30.2	-11.0	-0.0	0.5	47.5
		Viento -Y exc.+	0.4	-0.0	1.1	-0.0	-0.8	0.0	0.4	36.7	13.2	-0.0	-0.8	-74.3
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.5	-0.0	0.3	30.2	11.0	0.0	-0.5	-47.5
P36 [24.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-1.3	0.0	3.5	87.6	115.8	0.0	-1.3	-31.7
		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.7	0.0	12.1	300.2	398.2	-0.0	-5.7	-141.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.5	0.0	24.2	599.9	795.8	-0.0	-11.5	-282.3
		Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.1	0.0	0.2	-0.0	-6.2
		Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.1	0.1	0.2	-0.0	-6.3
		Viento -X exc.+	0.0	-0.1	0.0	-0.2	0.0	-0.0	0.0	-0.1	-0.0	-0.2	0.0	6.2
		Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.1	-0.1	-0.2	0.0	6.3
		Viento +Y exc.+	-0.3	0.0	-1.0	0.0	0.6	-0.0	-0.3	-8.0	-11.3	0.0	0.6	14.1
		Viento +Y exc.-	-0.4	0.0	-1.2	0.0	0.9	0.0	-0.4	-9.7	-13.7	0.0	0.9	21.5
		Viento -Y exc.+	0.3	-0.0	1.0	-0.0	-0.6	0.0	0.3	8.0	11.3	-0.0	-0.6	-14.1
		Viento -Y exc.-	0.4	-0.0	1.2	-0.0	-0.9	-0.0	0.4	9.7	13.7	-0.0	-0.9	-21.5
P44 [104.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	-0.0	2.7	0.0	-1.3	0.0	3.5	367.9	115.0	0.0	-1.3	-133.8
		Cargas muertas	12.0	-0.0	10.7	-0.0	-5.9	0.0	12.0	1251.8	392.7	-0.0	-5.9	-615.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	23.9	-0.1	21.6	-0.0	-11.6	0.0	23.9	2504.1	785.8	-0.0	-11.6	-1218
		Viento +X exc.+	-0.1	0.1	0.0	0.4	0.0	0.0	-0.1	-7.5	-2.3	0.4	0.0	-10.8
		Viento +X exc.-	-0.1	0.1	-0.0	0.4	0.0	-0.0	-0.1	-7.8	-2.4	0.4	0.0	-10.0
		Viento -X exc.+	0.1	-0.1	0.0	-0.4	-0.0	-0.0	0.1	7.5	2.3	-0.4	-0.0	10.8
		Viento -X exc.-	0.1	-0.1	0.0	-0.4	-0.0	0.0	0.1	7.8	2.4	-0.4	-0.0	10.0
		Viento +Y exc.+	-0.4	0.0	-1.0	0.0	1.2	-0.0	-0.4	-40.9	-13.5	0.0	1.2	129.5
		Viento +Y exc.-	-0.3	-0.0	-0.9	-0.0	0.8	0.0	-0.3	-32.0	-10.6	-0.0	0.8	83.8
		Viento -Y exc.+	0.4	-0.0	1.0	-0.0	-1.2	0.0	0.4	40.9	13.5	-0.0	-1.2	-129.5
		Viento -Y exc.-	0.3	0.0	0.9	0.0	-0.8	-0.0	0.3	32.0	10.6	0.0	-0.8	-83.8
P45 [112.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	2.1	-0.6	1.4	0.3	-0.7	0.0	2.1	236.4	68.6	0.3	-0.7	-87.3
		Cargas muertas	6.6	-1.9	5.2	1.1	-2.9	0.0	6.6	744.8	216.9	1.1	-2.9	-361.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	12.8	-3.7	10.1	2.0	-5.5	0.0	12.8	1443.1	420.3	2.0	-5.5	-690.7
		Viento +X exc.+	0.1	-0.5	-0.0	0.3	0.0	0.0	0.1	7.5	2.2	0.3	0.0	-9.6
		Viento +X exc.-	0.1	-0.5	-0.0	0.3	0.0	-0.0	0.1	7.2	2.2	0.3	0.0	-8.9
		Viento -X exc.+	-0.1	0.5	0.0	-0.3	-0.0	-0.0	-0.1	-7.5	-2.2	-0.3	-0.0	9.6
		Viento -X exc.-	-0.1	0.5	0.0	-0.3	-0.0	0.0	-0.1	-7.2	-2.2	-0.3	-0.0	8.9
		Viento +Y exc.+	-0.3	-0.0	-1.1	0.0	0.5	-0.0	-0.3	-39.5	-12.3	0.0	0.5	54.2
		Viento +Y exc.-	-0.3	0.0	-0.9	-0.0	0.2	0.0	-0.3	-29.6	-9.3	-0.0	0.2	20.2
		Viento -Y exc.+	0.3	0.0	1.1	-0.0	-0.5	0.0	0.3	39.5	12.3	-0.0	-0.5	-54.2
		Viento -Y exc.-	0.3	-0.0	0.9	0.0	-0.2	-0.0	0.3	29.6	9.3	0.0	-0.2	-20.2
P47 [32.738;31.965;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-0.7	0.0	3.5	115.1	115.0	0.0	-0.7	-22.1
		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.4	0.0	12.1	396.7	397.6	-0.0	-5.4	-175.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.1	-11.2	0.0	24.2	793.2	795.2	-0.1	-11.2	-363.8
		Viento +X exc.+	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.2	0.0	-6.0
		Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.1	0.1	0.2	-0.0	-6.1
		Viento -X exc.+	-0.0	-0.1	-0.0	-0.2	0.0	-0.0	-0.0	-0.1	-0.0	-0.2	0.0	6.0
		Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.1	-0.1	-0.2	0.0	6.1
		Viento +Y exc.+	-0.3	0.0	-0.9	0.0	0.5	-0.0	-0.3	-9.2	-9.9	0.0	0.5	16.6
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.7	0.0	-0.3	-10.7	-11.4	-0.0	0.7	23.7
		Viento -Y exc.+	0.3	-0.0	0.9	-0.0	-0.5	0.0	0.3	9.2	9.9	-0.0	-0.5	-16.6
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.7	-0.0	0.3	10.7	11.4	0.0	-0.7	-23.7
P48 [40.738;31.965;0.0 grados]	34.97/35.13	Peso propio	3.5	0.0	2.6	0.0	-0.6	0.0	3.5	143.1	114.9	0.0	-0.6	-26.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	12.1	-0.0	10.3	-0.0	-5.4	0.0	12.1	493.5	397.5	-0.0	-5.4	-218.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.0	20.7	-0.0	-11.2	0.0	24.2	987.0	795.2	-0.0	-11.2	-453.3
		Viento +X exc.+	0.0	0.1	0.0	0.2	-0.0	0.0	0.0	0.1	0.1	0.2	-0.0	-6.6
		Viento +X exc.-	0.0	0.1	0.0	0.2	-0.0	-0.0	0.0	0.2	0.1	0.2	-0.0	-6.8
		Viento -X exc.+	-0.0	-0.1	-0.0	-0.2	0.0	-0.0	-0.0	-0.1	-0.1	-0.2	0.0	6.6
		Viento -X exc.-	-0.0	-0.1	-0.0	-0.2	0.0	0.0	-0.0	-0.2	-0.1	-0.2	0.0	6.8
		Viento +Y exc.+	-0.3	0.0	-0.9	0.0	0.5	-0.0	-0.3	-11.7	-10.1	0.0	0.5	21.6
		Viento +Y exc.-	-0.3	-0.0	-1.0	-0.0	0.7	0.0	-0.3	-13.1	-11.2	-0.0	0.7	28.2
		Viento -Y exc.+	0.3	-0.0	0.9	-0.0	-0.5	0.0	0.3	11.7	10.1	-0.0	-0.5	-21.6
		Viento -Y exc.-	0.3	0.0	1.0	0.0	-0.7	-0.0	0.3	13.1	11.2	0.0	-0.7	-28.2
P123 [8.738;39.285;0.0 grados] (HE 140 A)	34.97/35.11	Peso propio	2.4	0.0	-1.8	-0.0	0.7	0.0	2.4	21.4	94.2	-0.0	0.7	5.9
		Cargas muertas	7.4	0.1	-5.2	-0.1	2.7	0.0	7.4	64.7	285.5	-0.1	2.7	26.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	14.4	0.2	-10.1	-0.1	5.2	0.0	14.4	126.1	555.8	-0.1	5.2	48.7
		Viento +X exc.+	-0.0	0.0	0.0	0.1	-0.0	0.0	-0.0	-0.0	-0.1	0.1	-0.0	-2.3
		Viento +X exc.-	-0.0	0.0	0.0	0.1	-0.0	-0.0	-0.0	-0.0	-0.2	0.1	-0.0	-2.4
		Viento -X exc.+	0.0	-0.0	-0.0	-0.1	0.0	-0.0	0.0	0.0	0.1	-0.1	0.0	2.3
		Viento -X exc.-	0.0	-0.0	-0.0	-0.1	0.0	0.0	0.0	0.0	0.2	-0.1	0.0	2.4
		Viento +Y exc.+	0.4	-0.0	-1.3	-0.0	0.5	-0.0	0.4	3.4	14.0	-0.0	0.5	4.8
		Viento +Y exc.-	0.5	0.0	-1.6	-0.0	0.9	0.0	0.5	4.5	18.6	-0.0	0.9	8.3
		Viento -Y exc.+	-0.4	0.0	1.3	0.0	-0.5	0.0	-0.4	-3.4	-14.0	0.0	-0.5	-4.8
		Viento -Y exc.-	-0.5	0.0	1.6	0.0	-0.9	-0.0	-0.5	-4.5	-18.6	0.0	-0.9	-8.3
P124 [16.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.2	-0.0	-3.2	-0.0	1.3	0.0	4.2	69.7	160.5	-0.0	1.3	23.3
		Cargas muertas	14.2	-0.0	-11.4	-0.1	5.8	0.0	14.2	238.5	548.3	-0.1	5.8	99.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.7	-0.0	-23.1	-0.1	11.7	0.0	28.7	480.3	1104.2	-0.1	11.7	200.2
		Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.1	-0.0	0.4	-0.0	-17.1
		Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	-0.1	0.4	-0.0	-17.3
		Viento -X exc.+	0.0	-0.1	-0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	17.1
		Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	0.1	-0.4	0.0	17.3
		Viento +Y exc.+	0.3	0.0	-0.8	-0.0	1.1	-0.0	0.3	5.2	11.4	-0.0	1.1	18.7
		Viento +Y exc.-	0.4	0.0	-1.0	0.0	1.7	0.0	0.4	6.6	14.5	0.0	1.7	27.5
		Viento -Y exc.+	-0.3	0.0	0.8	0.0	-1.1	0.0	-0.3	-5.2	-11.4	0.0	-1.1	-18.7
		Viento -Y exc.-	-0.4	-0.0	1.0	-0.0	-1.7	-0.0	-0.4	-6.6	-14.5	-0.0	-1.7	-27.5
P125 [24.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.1	1.1	0.0	4.1	102.4	159.3	0.1	1.1	22.6
		Cargas muertas	14.1	0.0	-11.2	0.0	5.6	0.0	14.1	349.5	543.9	0.0	5.6	139.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.0	-22.6	-0.0	11.3	0.0	28.4	703.6	1094.7	-0.0	11.3	280.9
		Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	-0.0	0.4	-0.0	-15.6
		Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	-0.1	0.4	-0.0	-15.9
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	15.6
		Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	0.1	-0.4	0.0	15.9
		Viento +Y exc.+	0.3	-0.0	-0.9	-0.0	1.0	-0.0	0.3	8.0	11.8	-0.0	1.0	26.7
		Viento +Y exc.-	0.4	-0.0	-1.0	-0.0	1.5	0.0	0.4	9.7	14.4	-0.0	1.5	37.1
		Viento -Y exc.+	-0.3	0.0	0.9	0.0	-1.0	0.0	-0.3	-8.0	-11.8	0.0	-1.0	-26.7
		Viento -Y exc.-	-0.4	0.0	1.0	0.0	-1.5	-0.0	-0.4	-9.7	-14.4	0.0	-1.5	-37.1
P126 [32.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.2	0.0	-3.3	0.0	0.9	0.0	4.2	136.3	160.3	0.0	0.9	30.0
		Cargas muertas	14.1	-0.0	-11.2	-0.0	5.6	0.0	14.1	463.1	544.5	-0.0	5.6	184.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	931.8	1095.5	-0.1	11.3	373.0
		Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.1	-0.0	0.4	-0.0	-15.8
		Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.1	-0.1	0.4	-0.0	-16.0
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	15.8
		Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.1	0.1	-0.4	0.0	16.0
		Viento +Y exc.+	0.3	-0.0	-0.8	-0.0	0.9	-0.0	0.3	9.2	10.3	-0.0	0.9	31.3
		Viento +Y exc.-	0.3	0.0	-0.8	0.0	1.2	0.0	0.3	10.7	12.0	0.0	1.2	40.9
		Viento -Y exc.+	-0.3	0.0	0.8	0.0	-0.9	0.0	-0.3	-9.2	-10.3	0.0	-0.9	-31.3
		Viento -Y exc.-	-0.3	0.0	0.8	0.0	-1.2	-0.0	-0.3	-10.7	-12.0	0.0	-1.2	-40.9
P127 [40.738;39.285;0.0 grados]	34.97/35.13	Peso propio	4.2	0.0	-3.3	0.0	0.9	0.0	4.2	169.7	160.3	0.0	0.9	36.5





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	14.2	-0.0	-11.2	-0.0	5.6	0.0	14.2	576.4	544.6	-0.0	5.6	228.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	1159.5	1095.5	-0.1	11.3	461.9
		Viento +X exc.+	-0.0	0.1	0.0	0.4	-0.0	0.0	-0.0	0.0	-0.1	0.4	-0.0	-15.7
		Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.0	-0.1	0.4	-0.0	-15.9
		Viento -X exc.+	0.0	-0.1	-0.0	-0.4	0.0	-0.0	0.0	-0.0	0.1	-0.4	0.0	15.7
		Viento -X exc.-	0.0	-0.1	-0.0	-0.4	0.0	0.0	0.0	-0.0	0.1	-0.4	0.0	15.9
		Viento +Y exc.+	0.3	-0.0	-0.8	-0.0	1.0	-0.0	0.3	11.7	10.6	-0.0	1.0	40.7
		Viento +Y exc.-	0.3	0.0	-0.8	0.0	1.2	0.0	0.3	13.1	11.8	0.0	1.2	50.0
		Viento -Y exc.+	-0.3	0.0	0.8	0.0	-1.0	0.0	-0.3	-11.7	-10.6	0.0	-1.0	-40.7
		Viento -Y exc.-	-0.3	-0.0	0.8	-0.0	-1.2	-0.0	-0.3	-13.1	-11.8	-0.0	-1.2	-50.0
P128 [48.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	-0.1	-3.2	-0.3	1.0	0.0	4.1	201.2	159.0	-0.3	1.0	59.8
		Cargas muertas	14.1	-0.1	-11.2	-0.2	5.6	0.0	14.1	688.5	543.8	-0.2	5.6	278.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.1	-22.6	-0.3	11.2	0.0	28.4	1386.1	1094.7	-0.3	11.2	557.8
		Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	-0.0	0.4	-0.0	-15.8
		Viento +X exc.-	-0.0	0.1	0.0	0.4	-0.0	-0.0	-0.0	0.0	-0.1	0.4	-0.0	-16.0
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	15.8
		Viento -X exc.-	0.0	-0.1	0.0	-0.4	0.0	0.0	0.0	-0.0	0.1	-0.4	0.0	16.0
		Viento +Y exc.+	0.3	0.0	-0.9	0.0	1.1	-0.0	0.3	16.4	12.3	0.0	1.1	53.4
		Viento +Y exc.-	0.4	0.0	-1.0	0.0	1.3	0.0	0.4	17.6	13.2	0.0	1.3	60.6
		Viento -Y exc.+	-0.3	-0.0	0.9	-0.0	-1.1	0.0	-0.3	-16.4	-12.3	-0.0	-1.1	-53.4
		Viento -Y exc.-	-0.4	-0.0	1.0	-0.0	-1.3	-0.0	-0.4	-17.6	-13.2	-0.0	-1.3	-60.6
P129 [56.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.0	1.0	0.0	4.1	234.3	159.0	0.0	1.0	57.2
		Cargas muertas	14.1	-0.0	-11.2	-0.0	5.6	0.0	14.1	801.6	543.9	-0.0	5.6	320.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.0	-22.6	-0.0	11.3	0.0	28.4	1614.0	1094.9	-0.0	11.3	644.0
		Viento +X exc.+	0.0	0.1	0.0	0.4	-0.0	0.0	0.0	0.1	-0.0	0.4	-0.0	-16.1
		Viento +X exc.-	0.0	0.1	0.0	0.4	-0.0	-0.0	0.0	0.1	-0.0	0.4	-0.0	-16.2
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	0.0	-0.0	0.0	-0.1	0.0	-0.4	0.0	16.1
		Viento -X exc.-	0.0	-0.1	0.0	-0.4	0.0	0.0	0.0	-0.1	0.0	-0.4	0.0	16.2
		Viento +Y exc.+	0.3	-0.0	-0.9	-0.0	1.2	-0.0	0.3	19.6	12.7	-0.0	1.2	69.4
		Viento +Y exc.-	0.4	0.0	-0.9	0.0	1.3	0.0	0.4	20.2	13.0	0.0	1.3	72.7
		Viento -Y exc.+	-0.3	0.0	0.9	0.0	-1.2	0.0	-0.3	-19.6	-12.7	0.0	-1.2	-69.4
		Viento -Y exc.-	-0.4	0.0	0.9	0.0	-1.3	-0.0	-0.4	-20.2	-13.0	0.0	-1.3	-72.7
P130 [64.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	-0.0	-3.1	-0.0	1.3	0.0	4.1	267.7	159.3	-0.0	1.3	83.6
		Cargas muertas	14.1	-0.0	-11.2	-0.1	5.7	0.0	14.1	914.9	544.0	-0.1	5.7	374.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.5	0.0	28.5	1842.1	1095.3	-0.1	11.5	750.8
		Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-16.6
		Viento +X exc.-	0.0	0.1	0.0	0.4	0.0	-0.0	0.0	0.2	0.0	0.4	0.0	-16.5
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.2	-0.0	-0.4	-0.0	16.6
		Viento -X exc.-	0.0	-0.1	0.0	-0.4	-0.0	0.0	0.0	-0.2	-0.0	-0.4	-0.0	16.5
		Viento +Y exc.+	0.4	0.0	-0.9	-0.0	1.3	-0.0	0.4	23.0	13.1	-0.0	1.3	87.1
		Viento +Y exc.-	0.4	0.0	-0.9	0.0	1.3	0.0	0.4	22.7	12.9	0.0	1.3	84.6
		Viento -Y exc.+	-0.4	0.0	0.9	0.0	-1.3	0.0	-0.4	-23.0	-13.1	0.0	-1.3	-87.1
		Viento -Y exc.-	-0.4	-0.0	0.9	-0.0	-1.3	-0.0	-0.4	-22.7	-12.9	-0.0	-1.3	-84.6
P131 [72.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.0	1.1	0.0	4.1	300.8	159.3	0.0	1.1	81.7
		Cargas muertas	14.1	-0.0	-11.2	-0.1	5.7	0.0	14.1	1028.0	544.1	-0.1	5.7	415.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.4	0.0	28.5	2069.7	1095.2	-0.1	11.4	834.3
		Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-14.7
		Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.2	0.1	0.4	0.0	-14.5
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.2	-0.0	-0.4	-0.0	14.7
		Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.2	-0.1	-0.4	-0.0	14.5
		Viento +Y exc.+	0.4	0.0	-0.9	0.0	1.3	-0.0	0.4	26.0	13.1	0.0	1.3	93.6
		Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.2	0.0	0.3	24.5	12.3	0.0	1.2	84.1
		Viento -Y exc.+	-0.4	-0.0	0.9	-0.0	-1.3	0.0	-0.4	-26.0	-13.1	-0.0	-1.3	-93.6
		Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.2	-0.0	-0.3	-24.5	-12.3	-0.0	-1.2	-84.1
P132 [80.738;39.285;0.0 grados]	34.97/35.13	Peso propio	4.1	-0.0	-3.2	-0.0	1.4	0.0	4.1	334.7	159.7	-0.0	1.4	111.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	14.1	-0.0	-11.2	-0.0	5.8	0.0	14.1	1141.5	544.2	-0.0	5.8	467.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.6	-0.1	11.5	0.0	28.5	2297.9	1095.5	-0.1	11.5	934.8
		Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-16.4
		Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.3	0.1	0.4	0.0	-15.9
		Viento -X exc.+	0.0	-0.1	0.0	-0.4	-0.0	-0.0	0.0	-0.2	-0.0	-0.4	-0.0	16.4
		Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.3	-0.1	-0.4	-0.0	15.9
		Viento +Y exc.+	0.4	-0.0	-0.9	-0.0	1.4	-0.0	0.4	29.5	13.4	-0.0	1.4	112.2
		Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.2	0.0	0.3	26.6	12.1	0.0	1.2	93.4
		Viento -Y exc.+	-0.4	0.0	0.9	0.0	-1.4	0.0	-0.4	-29.5	-13.4	0.0	-1.4	-112.2
		Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.2	-0.0	-0.3	-26.6	-12.1	-0.0	-1.2	-93.4
P133 [88.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	0.0	-3.2	0.0	1.1	0.0	4.1	367.5	159.5	0.0	1.1	98.2
		Cargas muertas	14.1	-0.0	-11.2	-0.0	5.7	0.0	14.1	1254.6	544.2	-0.0	5.7	504.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.0	-22.7	-0.1	11.3	0.0	28.5	2525.3	1095.3	-0.1	11.3	1010.9
		Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-14.5
		Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.3	0.1	0.4	0.0	-13.8
		Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.2	-0.0	-0.4	-0.0	14.5
		Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.3	-0.1	-0.4	-0.0	13.8
		Viento +Y exc.+	0.4	0.0	-1.0	0.0	1.3	-0.0	0.4	32.5	13.4	0.0	1.3	115.7
		Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.0	0.0	0.3	28.1	11.6	0.0	1.0	87.9
		Viento -Y exc.+	-0.4	-0.0	1.0	-0.0	-1.3	0.0	-0.4	-32.5	-13.4	-0.0	-1.3	-115.7
		Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.0	-0.0	-0.3	-28.1	-11.6	-0.0	-1.0	-87.9
P134 [96.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	-0.0	-3.2	-0.0	1.3	0.0	4.1	400.4	159.5	-0.0	1.3	130.4
		Cargas muertas	14.1	-0.0	-11.1	-0.1	5.8	0.0	14.1	1365.3	543.3	-0.1	5.8	558.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.0	-22.5	-0.1	11.5	0.0	28.4	2748.2	1093.5	-0.1	11.5	1115.9
		Viento +X exc.+	0.0	0.1	-0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-16.0
		Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.4	0.1	0.4	0.0	-15.0
		Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.2	-0.0	-0.4	-0.0	16.0
		Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.4	-0.1	-0.4	-0.0	15.0
		Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	1.5	-0.0	0.4	36.7	13.9	-0.0	1.5	140.9
		Viento +Y exc.-	0.3	0.0	-0.9	0.0	1.0	0.0	0.3	30.2	11.4	0.0	1.0	99.5
		Viento -Y exc.+	-0.4	0.0	1.0	0.0	-1.5	0.0	-0.4	-36.7	-13.9	0.0	-1.5	-140.9
		Viento -Y exc.-	-0.3	-0.0	0.9	-0.0	-1.0	-0.0	-0.3	-30.2	-11.4	-0.0	-1.0	-99.5
P135 [104.738;39.285;0.0 grados] (HE 180 A)	34.97/35.13	Peso propio	4.1	0.0	-3.1	0.1	1.2	0.0	4.1	430.6	158.4	0.1	1.2	121.0
		Cargas muertas	14.0	-0.0	-11.0	-0.0	5.6	0.0	14.0	1470.8	540.7	-0.0	5.6	589.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.3	-0.0	-22.2	-0.0	11.2	0.0	28.3	2960.5	1088.2	-0.0	11.2	1176.2
		Viento +X exc.+	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	-14.4
		Viento +X exc.-	0.0	0.1	-0.0	0.4	0.0	-0.0	0.0	0.5	0.1	0.4	0.0	-13.1
		Viento -X exc.+	-0.0	-0.1	0.0	-0.4	-0.0	-0.0	-0.0	-0.2	-0.0	-0.4	-0.0	14.4
		Viento -X exc.-	-0.0	-0.1	0.0	-0.4	-0.0	0.0	-0.0	-0.5	-0.1	-0.4	-0.0	13.1
		Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	1.4	-0.0	0.4	40.8	14.3	-0.0	1.4	147.5
		Viento +Y exc.-	0.3	0.0	-0.9	-0.0	0.9	0.0	0.3	32.1	11.2	-0.0	0.9	93.4
		Viento -Y exc.+	-0.4	0.0	1.0	0.0	-1.4	0.0	-0.4	-40.8	-14.3	0.0	-1.4	-147.5
		Viento -Y exc.-	-0.3	0.0	0.9	0.0	-0.9	-0.0	-0.3	-32.1	-11.2	0.0	-0.9	-93.4
P136 [112.738;39.285;0.0 grados] (HE 160 A)	34.97/35.13	Peso propio	2.4	-0.0	-1.9	0.0	0.8	0.0	2.4	269.1	91.9	0.0	0.8	88.5
		Cargas muertas	7.4	-0.1	-5.9	0.0	3.1	0.0	7.4	837.9	286.1	0.0	3.1	346.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	14.6	-0.2	-11.5	0.0	5.8	0.0	14.6	1640.5	560.3	0.0	5.8	652.5
		Viento +X exc.+	0.0	0.1	-0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	-7.8
		Viento +X exc.-	0.0	0.1	-0.0	0.2	0.0	-0.0	0.0	0.5	0.1	0.2	0.0	-6.6
		Viento -X exc.+	-0.0	-0.1	0.0	-0.2	0.0	-0.0	-0.0	-0.2	-0.0	-0.2	0.0	7.8
		Viento -X exc.-	-0.0	-0.1	0.0	-0.2	-0.0	0.0	-0.0	-0.5	-0.1	-0.2	-0.0	6.6
		Viento +Y exc.+	0.4	-0.0	-1.0	-0.0	0.9	-0.0	0.4	39.5	12.7	-0.0	0.9	102.1
		Viento +Y exc.-	0.3	0.0	-0.8	-0.0	0.5	0.0	0.3	29.6	9.5	-0.0	0.5	51.6
		Viento -Y exc.+	-0.4	0.0	1.0	0.0	-0.9	0.0	-0.4	-39.5	-12.7	0.0	-0.9	-102.1
		Viento -Y exc.-	-0.3	0.0	0.8	0.0	-0.5	-0.0	-0.3	-29.6	-9.5	0.0	-0.5	-51.6
Sumatorio		Peso propio							101.2	6139.3	3626.1	0.0	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Casetón ascensor +35.07														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=34.97)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Cargas muertas							342.9	20819	12300	0.0	0.0	0.0
		H 1							0.0	0.0	0.0	0.0	0.0	
		Sobrecarga de uso							686.2	41669	24620	0.0	0.0	0.0
		Viento +X exc.+							0.0	2.3	0.0	7.8	0.0	-281.8
		Viento +X exc.-							0.0	2.3	0.0	7.8	0.0	-275.9
		Viento -X exc.+							0.0	-2.3	0.0	-7.8	0.0	281.8
		Viento -X exc.-							0.0	-2.3	0.0	-7.8	0.0	275.9
		Viento +Y exc.+							0.0	0.0	7.5	0.0	25.0	1650.6
		Viento +Y exc.-							0.0	0.0	7.5	0.0	25.0	1389.9
		Viento -Y exc.+							0.0	0.0	-7.5	0.0	-25.0	-1651
		Viento -Y exc.-							0.0	0.0	-7.5	0.0	-25.0	-1390

Planta: P. cubierta +32.30															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P21 [32.738;38.465;0.0 grados] (HE 180 A)	32.20/34.77	Peso propio	136.3	-0.5	4.6	-0.4	6.7	0.0	136.3	4462.5	5248.4	-0.4	6.7	233.1	
		Cargas muertas	43.8	-0.1	1.5	-0.1	2.2	0.0	43.8	1433.3	1685.8	-0.1	2.2	74.5	
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	
		Sobrecarga de uso	38.8	0.2	1.6	0.4	2.0	0.0	38.8	1270.0	1493.5	0.4	2.0	51.9	
		Viento +X exc.+	1.0	0.6	-0.0	0.5	-0.0	0.0	1.0	32.7	37.7	0.5	-0.0	-20.1	
		Viento +X exc.-	1.0	0.6	-0.1	0.5	-0.0	0.0	1.0	33.7	38.8	0.5	-0.0	-20.5	
		Viento -X exc.+	-1.0	-0.6	0.0	-0.5	0.0	0.0	-1.0	-32.7	-37.7	-0.5	0.0	20.1	
		Viento -X exc.-	-1.0	-0.6	0.1	-0.5	0.0	0.0	-1.0	-33.7	-38.8	-0.5	0.0	20.5	
		Viento +Y exc.+	-1.1	-0.2	6.4	-0.2	4.8	0.0	-1.1	-36.2	-35.9	-0.2	4.8	164.0	
		Viento +Y exc.-	-1.2	-0.0	7.2	-0.1	5.4	0.0	-1.2	-40.5	-40.4	-0.1	5.4	178.8	
		Viento -Y exc.+	1.1	0.2	-6.4	0.2	-4.8	0.0	1.1	36.2	35.9	0.2	-4.8	-164.0	
		Viento -Y exc.-	1.2	0.0	-7.2	0.1	-5.4	0.0	1.2	40.5	40.4	0.1	-5.4	-178.8	
P22 [40.675;38.465;0.0 grados] (HE 180 A)	32.20/34.77	Peso propio	133.7	-0.0	4.7	0.0	6.7	0.0	133.7	5440.0	5149.1	0.0	6.7	272.2	
		Cargas muertas	42.8	-0.1	1.5	-0.1	2.2	0.0	42.8	1740.7	1647.7	-0.1	2.2	90.6	
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.1	-0.0	0.0	0.0	-0.0	
		Sobrecarga de uso	37.4	-0.6	1.6	-0.6	2.0	0.0	37.4	1521.7	1441.1	-0.6	2.0	104.8	
		Viento +X exc.+	-1.2	0.6	-0.0	0.5	-0.0	0.0	-1.2	-47.3	-45.3	0.5	-0.0	-20.3	
		Viento +X exc.-	-1.1	0.6	0.0	0.5	0.0	0.0	-1.1	-45.6	-43.7	0.5	0.0	-18.4	
		Viento -X exc.+	1.2	-0.6	0.0	-0.5	0.0	0.0	1.2	47.3	45.3	-0.5	0.0	20.3	
		Viento -X exc.-	1.1	-0.6	-0.0	-0.5	-0.0	0.0	1.1	45.6	43.7	-0.5	-0.0	18.4	
		Viento +Y exc.+	-0.4	0.0	7.5	0.1	5.6	0.0	-0.4	-16.8	-8.5	0.1	5.6	223.3	
		Viento +Y exc.-	-1.5	0.3	6.0	0.3	4.6	0.0	-1.5	-60.5	-51.5	0.3	4.6	175.8	
		Viento -Y exc.+	0.4	-0.0	-7.5	-0.1	-5.6	0.0	0.4	16.8	8.5	-0.1	-5.6	-223.3	
		Viento -Y exc.-	1.5	-0.3	-6.0	-0.3	-4.6	0.0	1.5	60.5	51.5	-0.3	-4.6	-175.8	
P31 [112.738;38.465;0.0 grados] (HE 180 A)	32.20/34.77	Peso propio	153.7	3.5	3.8	3.2	4.9	0.0	153.7	17333	5916.3	3.2	4.9	426.6	
		Cargas muertas	47.2	1.1	1.2	1.0	1.5	0.0	47.2	5319.7	1815.8	1.0	1.5	134.0	
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.6	-0.2	0.0	0.0	-0.0	
		Sobrecarga de uso	48.2	0.5	0.6	0.4	1.3	0.0	48.2	5432.9	1854.1	0.4	1.3	129.1	
		Viento +X exc.+	-2.8	1.6	0.0	1.3	0.0	0.0	-2.8	-310.9	-106.6	1.3	0.0	-43.5	
		Viento +X exc.-	-2.7	1.6	0.1	1.2	0.1	0.0	-2.7	-303.3	-103.9	1.2	0.1	-34.0	
		Viento -X exc.+	2.8	-1.6	-0.0	-1.3	-0.0	0.0	2.8	310.9	106.6	-1.3	-0.0	43.5	
		Viento -X exc.-	2.7	-1.6	-0.1	-1.2	-0.1	0.0	2.7	303.3	103.9	-1.2	-0.1	34.0	
		Viento +Y exc.+	1.4	-0.2	9.2	-0.1	6.9	0.0	1.4	159.0	63.5	-0.1	6.9	780.4	
		Viento +Y exc.-	0.5	0.2	8.1	0.2	6.0	0.0	0.5	54.0	26.4	0.2	6.0	668.8	
		Viento -Y exc.+	-1.4	0.2	-9.2	0.1	-6.9	0.0	-1.4	-159.0	-63.5	0.1	-6.9	-780.4	
		Viento -Y exc.-	-0.5	-0.2	-8.1	-0.2	-6.0	0.0	-0.5	-54.0	-26.4	-0.2	-6.0	-668.8	
P34 [8.738;31.965;0.0 grados] (HE 140 A)	32.20/34.97	Peso propio	2.8	-0.0	-0.4	-0.0	-0.7	0.0	2.8	24.6	89.7	-0.0	-0.7	-5.4	
		Cargas muertas	6.6	-0.1	-3.0	-0.1	-3.0	0.0	6.6	57.1	206.5	-0.1	-3.0	-23.5	
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		Sobrecarga de uso	12.6	-0.1	-5.4	-0.1	-5.6	0.0	12.6	109.9	397.0	-0.1	-5.6	-45.2	
		Viento +X exc.+	0.0	0.9	-0.0	0.3	-0.0	0.0	0.0	1.0	0.0	0.3	-0.0	-10.7	
		Viento +X exc.-	0.0	0.9	-0.0	0.3	-0.0	0.0	0.0	1.0	0.1	0.3	-0.0	-10.8	
		Viento -X exc.+	-0.0	-0.9	0.0	-0.3	0.0	0.0	-0.0	-1.0	-0.0	-0.3	0.0	10.7	
		Viento -X exc.-	-0.0	-0.9	0.0	-0.3	0.0	0.0	-0.0	-1.0	-0.1	-0.3	0.0	10.8	
		Viento +Y exc.+	-0.4	0.0	2.5	0.0	1.4	0.0	-0.4	-3.4	-9.9	0.0	1.4	11.9	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.-	-0.5	-0.0	3.2	-0.0	1.7	0.0	-0.5	-4.5	-13.3	-0.0	1.7	15.3
		Viento -Y exc.+	0.4	-0.0	-2.5	-0.0	-1.4	0.0	0.4	3.4	9.9	-0.0	-1.4	-11.9
		Viento -Y exc.-	0.5	0.0	-3.2	0.0	-1.7	0.0	0.5	4.5	13.3	0.0	-1.7	-15.3
P35 [16.738;31.965;0.0 grados] (HE 160 A)	32.20/34.97	Peso propio	4.2	-0.0	-0.9	-0.0	-1.2	0.0	4.2	70.0	132.8	-0.0	-1.2	-20.2
		Cargas muertas	12.0	-0.1	-5.4	-0.0	-5.5	0.0	12.0	201.2	378.9	-0.0	-5.5	-91.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.0	-0.1	-10.7	-0.0	-10.9	0.0	24.0	401.7	756.7	-0.0	-10.9	-181.8
		Viento +X exc.+	0.0	1.0	-0.0	0.3	-0.0	0.0	0.0	1.0	0.0	0.3	-0.0	-11.0
		Viento +X exc.-	0.0	1.0	-0.0	0.3	-0.0	0.0	0.0	1.0	0.1	0.3	-0.0	-11.1
		Viento -X exc.+	-0.0	-1.0	0.0	-0.3	0.0	0.0	-0.0	-1.0	-0.0	-0.3	0.0	11.0
		Viento -X exc.-	-0.0	-1.0	0.0	-0.3	0.0	0.0	-0.0	-1.0	-0.1	-0.3	0.0	11.1
		Viento +Y exc.+	-0.3	0.0	2.3	0.0	1.2	0.0	-0.3	-5.2	-7.6	0.0	1.2	20.3
		Viento +Y exc.-	-0.4	-0.0	2.9	-0.0	1.5	0.0	-0.4	-6.6	-9.7	-0.0	1.5	24.9
		Viento -Y exc.+	0.3	-0.0	-2.3	-0.0	-1.2	0.0	0.3	5.2	7.6	-0.0	-1.2	-20.3
		Viento -Y exc.-	0.4	0.0	-2.9	0.0	-1.5	0.0	0.4	6.6	9.7	0.0	-1.5	-24.9
P37 [48.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	-0.2	-0.9	-0.1	-1.3	0.0	4.4	213.1	139.0	-0.1	-1.3	-59.8
		Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	591.4	382.3	-0.0	-5.7	-277.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.3	-11.1	-0.1	-11.5	0.0	24.2	1181.5	764.1	-0.1	-11.5	-555.6
		Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	0.0	0.5	-0.0	-16.3
		Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	0.0	0.5	-0.0	-16.4
		Viento -X exc.+	0.0	-1.5	0.0	-0.5	0.0	0.0	0.0	-1.5	-0.0	-0.5	0.0	16.3
		Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.5	-0.0	-0.5	0.0	16.4
		Viento +Y exc.+	-0.3	-0.0	3.6	-0.0	1.7	0.0	-0.3	-16.4	-7.2	-0.0	1.7	81.4
		Viento +Y exc.-	-0.4	-0.1	3.8	-0.0	1.8	0.0	-0.4	-17.6	-7.7	-0.0	1.8	86.4
		Viento -Y exc.+	0.3	0.0	-3.6	0.0	-1.7	0.0	0.3	16.4	7.2	0.0	-1.7	-81.4
		Viento -Y exc.-	0.4	0.1	-3.8	0.0	-1.8	0.0	0.4	17.6	7.7	0.0	-1.8	-86.4
P38 [56.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	-0.0	-0.9	-0.0	-1.3	0.0	4.4	248.3	139.0	-0.0	-1.3	-72.3
		Cargas muertas	12.1	-0.1	-5.7	-0.0	-5.8	0.0	12.1	688.5	382.2	-0.0	-5.8	-325.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.2	-11.0	-0.1	-11.5	0.0	24.2	1375.5	764.0	-0.1	-11.5	-648.5
		Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.5	0.0	0.5	0.0	-16.3
		Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.5	0.0	0.5	0.0	-16.4
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	0.0	0.0	0.0	-1.5	-0.0	-0.5	0.0	16.3
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	0.0	0.0	0.0	-1.5	-0.0	-0.5	0.0	16.4
		Viento +Y exc.+	-0.3	0.0	3.7	0.0	1.7	0.0	-0.3	-19.6	-7.4	0.0	1.7	96.1
		Viento +Y exc.-	-0.4	-0.0	3.7	-0.0	1.7	0.0	-0.4	-20.2	-7.6	-0.0	1.7	98.5
		Viento -Y exc.+	0.3	-0.0	-3.7	-0.0	-1.7	0.0	0.3	19.6	7.4	-0.0	-1.7	-96.1
		Viento -Y exc.-	0.4	0.0	-3.7	0.0	-1.7	0.0	0.4	20.2	7.6	0.0	-1.7	-98.5
P39 [64.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	0.0	-0.8	0.0	-1.2	0.0	4.4	282.9	138.9	0.0	-1.2	-79.0
		Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	785.3	382.2	-0.0	-5.7	-369.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.1	-10.9	-0.0	-11.4	0.0	24.2	1568.8	763.8	-0.0	-11.4	-737.5
		Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.5	-0.0	0.5	0.0	-16.4
		Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.5	-0.0	0.5	0.0	-16.4
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.5	0.0	-0.5	-0.0	16.4
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.5	0.0	-0.5	-0.0	16.4
		Viento +Y exc.+	-0.4	0.0	3.7	0.0	1.7	0.0	-0.4	-23.0	-7.6	0.0	1.7	112.1
		Viento +Y exc.-	-0.4	-0.0	3.7	-0.0	1.7	0.0	-0.4	-22.7	-7.5	-0.0	1.7	110.7
		Viento -Y exc.+	0.4	-0.0	-3.7	-0.0	-1.7	0.0	0.4	23.0	7.6	-0.0	-1.7	-112.1
		Viento -Y exc.-	0.4	0.0	-3.7	0.0	-1.7	0.0	0.4	22.7	7.5	0.0	-1.7	-110.7
P40 [72.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	0.0	-0.9	0.0	-1.3	0.0	4.4	318.0	138.8	0.0	-1.3	-92.3
		Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	882.3	382.1	-0.0	-5.7	-415.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.2	-11.0	-0.1	-11.4	0.0	24.2	1762.8	763.8	-0.1	-11.4	-829.4
		Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.4	-0.0	0.5	0.0	-16.2
		Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.4	-0.0	0.5	0.0	-16.0
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	16.2
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	16.0
		Viento +Y exc.+	-0.4	0.0	3.8	0.0	1.8	0.0	-0.4	-26.0	-7.6	0.0	1.8	128.9
		Viento +Y exc.-	-0.3	-0.0	3.6	-0.0	1.7	0.0	-0.3	-24.6	-7.1	-0.0	1.7	122.7
		Viento -Y exc.+	0.4	-0.0	-3.8	-0.0	-1.8	0.0	0.4	26.0	7.6	-0.0	-1.8	-128.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P41 [80.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Viento -Y exc.-	0.3	0.0	-3.6	0.0	-1.7	0.0	0.3	24.6	7.1	0.0	-1.7	-122.7
		Peso propio	4.4	-0.0	-0.7	-0.0	-1.2	0.0	4.4	352.0	138.7	-0.0	-1.2	-95.8
		Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	979.0	382.1	-0.0	-5.7	-459.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.2	-10.9	-0.1	-11.4	0.0	24.2	1956.2	763.6	-0.1	-11.4	-918.2
		Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.4	-0.0	0.5	0.0	-16.0
		Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.4	-0.0	0.5	0.0	-15.8
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	16.0
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	15.8
		Viento +Y exc.+	-0.4	0.0	3.8	0.0	1.8	0.0	-0.4	-29.5	-7.9	0.0	1.8	143.3
		Viento +Y exc.-	-0.3	-0.0	3.5	-0.0	1.6	0.0	-0.3	-26.7	-7.1	-0.0	1.6	131.3
		Viento -Y exc.+	0.4	-0.0	-3.8	-0.0	-1.8	0.0	0.4	29.5	7.9	-0.0	-1.8	-143.3
		Viento -Y exc.-	0.3	0.0	-3.5	0.0	-1.6	0.0	0.3	26.7	7.1	0.0	-1.6	-131.3
P42 [88.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	0.0	-0.8	0.0	-1.2	0.0	4.4	387.3	138.6	0.0	-1.2	-110.2
		Cargas muertas	12.1	-0.1	-5.5	-0.0	-5.7	0.0	12.1	1075.8	382.0	-0.0	-5.7	-504.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.2	-10.8	-0.1	-11.4	0.0	24.2	2149.9	763.7	-0.1	-11.4	-1008
		Viento +X exc.+	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.4	-0.0	0.5	0.0	-15.9
		Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.2	-0.1	0.5	0.0	-15.5
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	15.9
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.2	0.1	-0.5	-0.0	15.5
		Viento +Y exc.+	-0.4	0.0	3.9	0.0	1.8	0.0	-0.4	-32.5	-7.8	0.0	1.8	160.6
		Viento +Y exc.-	-0.3	-0.0	3.4	-0.0	1.6	0.0	-0.3	-28.1	-6.7	-0.0	1.6	141.7
		Viento -Y exc.+	0.4	-0.0	-3.9	-0.0	-1.8	0.0	0.4	32.5	7.8	-0.0	-1.8	-160.6
		Viento -Y exc.-	0.3	0.0	-3.4	0.0	-1.6	0.0	0.3	28.1	6.7	0.0	-1.6	-141.7
P43 [96.738;31.965;0.0 grados] (HE 160 A)	32.20/34.97	Peso propio	4.4	-0.0	-0.7	-0.0	-1.2	0.0	4.4	425.4	139.9	-0.0	-1.2	-114.0
		Cargas muertas	12.1	-0.1	-5.6	-0.0	-5.7	0.0	12.1	1175.0	382.7	-0.0	-5.7	-554.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.3	-0.2	-10.9	-0.1	-11.5	0.0	24.3	2348.8	765.3	-0.1	-11.5	-1109
		Viento +X exc.+	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.4	-0.0	0.5	0.0	-15.6
		Viento +X exc.-	-0.0	1.5	0.0	0.5	0.0	0.0	-0.0	1.2	-0.1	0.5	0.0	-15.1
		Viento -X exc.+	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.4	0.0	-0.5	-0.0	15.6
		Viento -X exc.-	0.0	-1.5	-0.0	-0.5	-0.0	0.0	0.0	-1.2	0.1	-0.5	-0.0	15.1
		Viento +Y exc.+	-0.4	0.0	3.9	0.0	1.8	0.0	-0.4	-36.7	-8.2	0.0	1.8	176.3
		Viento +Y exc.-	-0.3	-0.0	3.3	-0.0	1.5	0.0	-0.3	-30.3	-6.7	-0.0	1.5	149.5
		Viento -Y exc.+	0.4	-0.0	-3.9	-0.0	-1.8	0.0	0.4	36.7	8.2	-0.0	-1.8	-176.3
		Viento -Y exc.-	0.3	0.0	-3.3	0.0	-1.5	0.0	0.3	30.3	6.7	0.0	-1.5	-149.5
P36 [24.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.4	0.0	-0.9	0.0	-1.3	0.0	4.4	108.1	138.7	0.0	-1.3	-31.7
		Cargas muertas	12.1	-0.1	-5.7	-0.0	-5.7	0.0	12.1	300.1	382.3	-0.0	-5.7	-141.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.1	-11.1	-0.0	-11.5	0.0	24.2	599.7	764.1	-0.0	-11.5	-282.3
		Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	-0.0	0.5	-0.0	-16.5
		Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	0.0	0.5	-0.0	-16.7
		Viento -X exc.+	0.0	-1.5	0.0	-0.5	0.0	0.0	0.0	-1.5	0.0	-0.5	0.0	16.5
		Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.5	-0.0	-0.5	0.0	16.7
		Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	-8.0	-6.8	0.0	1.6	40.1
		Viento +Y exc.-	-0.4	0.0	4.2	0.0	1.9	0.0	-0.4	-9.7	-8.3	0.0	1.9	47.6
		Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	8.0	6.8	-0.0	-1.6	-40.1
		Viento -Y exc.-	0.4	-0.0	-4.2	-0.0	-1.9	0.0	0.4	9.7	8.3	-0.0	-1.9	-47.6
P44 [104.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.5	0.0	-0.8	0.0	-1.3	0.0	4.5	469.1	142.4	0.0	-1.3	-133.8
		Cargas muertas	12.0	-0.1	-5.6	-0.0	-5.9	0.0	12.0	1251.7	376.4	-0.0	-5.9	-615.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	23.9	-0.2	-10.7	-0.0	-11.6	0.0	23.9	2503.9	753.6	-0.0	-11.6	-1218
		Viento +X exc.+	-0.1	2.2	0.0	0.8	0.0	0.0	-0.1	-5.4	-2.3	0.8	0.0	-22.5
		Viento +X exc.-	-0.1	2.2	0.1	0.8	0.0	0.0	-0.1	-5.7	-2.3	0.8	0.0	-21.6
		Viento -X exc.+	0.1	-2.2	-0.0	-0.8	-0.0	0.0	0.1	5.4	2.3	-0.8	-0.0	22.5
		Viento -X exc.-	0.1	-2.2	-0.1	-0.8	-0.0	0.0	0.1	5.7	2.3	-0.8	-0.0	21.6
		Viento +Y exc.+	-0.4	0.0	5.7	0.0	2.4	0.0	-0.4	-40.8	-6.8	0.0	2.4	253.7
		Viento +Y exc.-	-0.3	-0.0	4.6	-0.0	2.0	0.0	-0.3	-32.0	-5.1	-0.0	2.0	208.0
		Viento -Y exc.+	0.4	-0.0	-5.7	-0.0	-2.4	0.0	0.4	40.8	6.8	-0.0	-2.4	-253.7
		Viento -Y exc.-	0.3	0.0	-4.6	0.0	-2.0	0.0	0.3	32.0	5.1	0.0	-2.0	-208.0
P45 [112.738;31.965;0.0 grados]	32.20/34.97	Peso propio	2.8	0.2	-0.5	0.3	-0.7	0.0	2.8	312.8	88.1	0.3	-0.7	-87.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 180 A)		Cargas muertas	6.6	1.0	-2.9	1.1	-2.9	0.0	6.6	747.8	208.9	1.1	-2.9	-361.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	12.8	1.9	-5.3	2.0	-5.5	0.0	12.8	1448.7	404.9	2.0	-5.5	-690.7
		Viento +X exc.+	0.1	1.2	0.0	0.6	0.0	0.0	0.1	9.2	2.3	0.6	0.0	-18.6
		Viento +X exc.-	0.1	1.2	0.0	0.6	0.0	0.0	0.1	8.9	2.2	0.6	0.0	-17.9
		Viento -X exc.+	-0.1	-1.2	-0.0	-0.6	-0.0	0.0	-0.1	-9.2	-2.3	-0.6	-0.0	18.6
		Viento -X exc.-	-0.1	-1.2	-0.0	-0.6	-0.0	0.0	-0.1	-8.9	-2.2	-0.6	-0.0	17.9
		Viento +Y exc.+	-0.3	0.0	2.8	0.0	1.4	0.0	-0.3	-39.4	-8.4	0.0	1.4	158.2
		Viento +Y exc.-	-0.3	-0.0	2.2	-0.0	1.1	0.0	-0.3	-29.7	-6.2	-0.0	1.1	124.2
		Viento -Y exc.+	0.3	-0.0	-2.8	-0.0	-1.4	0.0	0.3	39.4	8.4	-0.0	-1.4	-158.2
		Viento -Y exc.-	0.3	0.0	-2.2	0.0	-1.1	0.0	0.3	29.7	6.2	0.0	-1.1	-124.2
P47 [32.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.3	0.0	0.8	0.0	-0.7	0.0	4.3	142.2	139.6	0.0	-0.7	-22.1
		Cargas muertas	12.1	-0.1	-4.7	-0.0	-5.4	0.0	12.1	396.6	382.6	-0.0	-5.4	-175.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.2	-10.2	-0.1	-11.2	0.0	24.2	793.0	764.2	-0.1	-11.2	-363.8
		Viento +X exc.+	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.5	0.0	0.5	0.0	-16.3
		Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	0.1	0.5	-0.0	-16.4
		Viento -X exc.+	-0.0	-1.5	-0.0	-0.5	0.0	0.0	-0.0	-1.5	-0.0	-0.5	0.0	16.3
		Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.5	-0.1	-0.5	0.0	16.4
		Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	-9.2	-5.6	0.0	1.6	51.1
		Viento +Y exc.-	-0.3	-0.0	4.0	-0.0	1.8	0.0	-0.3	-10.7	-6.5	-0.0	1.8	58.2
		Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	9.2	5.6	-0.0	-1.6	-51.1
		Viento -Y exc.-	0.3	0.0	-4.0	0.0	-1.8	0.0	0.3	10.7	6.5	0.0	-1.8	-58.2
P48 [40.738;31.965;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	4.3	-0.0	0.8	0.0	-0.6	0.0	4.3	176.8	139.6	0.0	-0.6	-26.3
		Cargas muertas	12.1	-0.1	-4.6	-0.0	-5.4	0.0	12.1	493.5	382.6	-0.0	-5.4	-218.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	24.2	-0.1	-10.2	-0.0	-11.2	0.0	24.2	986.8	764.2	-0.0	-11.2	-453.3
		Viento +X exc.+	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.5	0.0	0.5	-0.0	-17.0
		Viento +X exc.-	0.0	1.5	-0.0	0.5	-0.0	0.0	0.0	1.6	0.0	0.5	-0.0	-17.1
		Viento -X exc.+	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.5	-0.0	-0.5	0.0	17.0
		Viento -X exc.-	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.6	-0.0	-0.5	0.0	17.1
		Viento +Y exc.+	-0.3	0.0	3.5	0.0	1.6	0.0	-0.3	-11.7	-5.7	0.0	1.6	64.5
		Viento +Y exc.-	-0.3	-0.0	3.9	-0.0	1.7	0.0	-0.3	-13.1	-6.4	-0.0	1.7	71.2
		Viento -Y exc.+	0.3	-0.0	-3.5	-0.0	-1.6	0.0	0.3	11.7	5.7	-0.0	-1.6	-64.5
		Viento -Y exc.-	0.3	0.0	-3.9	0.0	-1.7	0.0	0.3	13.1	6.4	0.0	-1.7	-71.2
P97 [8.918;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.6	0.1	-0.5	0.0	-0.4	0.0	7.6	68.0	260.8	0.0	-0.4	-5.5
		Cargas muertas	2.2	0.0	-0.2	0.0	-0.1	0.0	2.2	19.9	76.1	0.0	-0.1	-1.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-0.1	0.1	-0.1	0.1	-0.0	0.0	-0.1	-0.8	-3.8	0.1	-0.0	-2.1
		Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-16.1	-76.2	2.1	-0.1	-71.5
		Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-13.9	-69.8	2.3	-0.6	-82.7
		Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	16.1	76.2	-2.1	0.1	71.5
		Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	13.9	69.8	-2.3	0.6	82.7
		Viento +Y exc.+	-2.7	0.0	4.5	-0.0	3.3	0.0	-2.7	-24.3	-89.3	-0.0	3.3	30.8
		Viento +Y exc.-	-3.0	-0.3	5.1	-0.2	3.7	-0.0	-3.0	-27.3	-99.1	-0.2	3.7	40.2
		Viento -Y exc.+	2.7	-0.0	-4.5	0.0	-3.3	-0.0	2.7	24.3	89.3	0.0	-3.3	-30.8
		Viento -Y exc.-	3.0	0.3	-5.1	0.2	-3.7	0.0	3.0	27.3	99.1	0.2	-3.7	-40.2
P18a [8.918;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.5	0.2	0.3	0.0	0.5	0.0	13.5	120.6	517.6	0.0	0.5	3.1
		Cargas muertas	4.3	0.1	0.1	0.0	0.2	0.0	4.3	38.2	164.0	0.0	0.2	0.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.5	0.2	-0.1	0.1	0.1	0.0	4.5	40.1	171.3	0.1	0.1	-1.2
		Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-14.4	-78.6	2.3	0.6	-80.9
		Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-16.6	-87.2	2.1	0.1	-77.6
		Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	14.4	78.6	-2.3	-0.6	80.9
		Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	16.6	87.2	-2.1	-0.1	77.6
		Viento +Y exc.+	2.7	-0.0	4.2	0.0	3.1	0.0	2.7	24.4	108.9	0.0	3.1	26.4
		Viento +Y exc.-	3.0	0.3	4.7	0.2	3.5	-0.0	3.0	27.4	121.1	0.2	3.5	23.4
		Viento -Y exc.+	-2.7	0.0	-4.2	-0.0	-3.1	-0.0	-2.7	-24.4	-108.9	-0.0	-3.1	-26.4
		Viento -Y exc.-	-3.0	-0.3	-4.7	-0.2	-3.5	0.0	-3.0	-27.4	-121.1	-0.2	-3.5	-23.4
P98 [10.858;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.7	-0.2	0.7	-0.1	0.6	0.0	7.7	83.0	293.9	-0.1	0.6	10.9
		Cargas muertas	2.2	-0.1	0.2	-0.0	0.2	0.0	2.2	24.3	86.0	-0.0	0.2	3.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	-0.1	-0.2	0.1	-0.1	0.1	0.0	-0.1	-0.9	-2.6	-0.1	0.1	5.2
		Viento +X exc.+	2.1	4.1	-0.6	2.3	-0.6	-0.0	2.1	26.5	78.6	2.3	-0.6	-93.0
		Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	28.4	87.1	2.1	-0.1	-80.0
		Viento -X exc.+	-2.1	-4.1	0.6	-2.3	0.6	0.0	-2.1	-26.5	-78.6	-2.3	0.6	93.0
		Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	-28.4	-87.1	-2.1	0.1	80.0
		Viento +Y exc.+	2.1	-0.2	4.9	-0.2	3.6	0.0	2.1	22.8	86.3	-0.2	3.6	46.8
		Viento +Y exc.-	1.8	0.0	4.4	-0.0	3.2	-0.0	1.8	19.9	74.5	-0.0	3.2	36.3
		Viento -Y exc.+	-2.1	0.2	-4.9	0.2	-3.6	-0.0	-2.1	-22.8	-86.3	0.2	-3.6	-46.8
		Viento -Y exc.-	-1.8	-0.0	-4.4	0.0	-3.2	0.0	-1.8	-19.9	-74.5	0.0	-3.2	-36.3
P99 [10.858;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.3	0.0	-0.9	0.0	-0.8	0.0	13.3	144.8	456.9	0.0	-0.8	-8.5
		Cargas muertas	4.2	0.0	-0.3	0.0	-0.2	0.0	4.2	45.8	144.5	0.0	-0.2	-2.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	47.1	148.8	-0.0	-0.2	-1.9
		Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	27.9	76.3	2.1	0.1	-69.6
		Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	26.0	69.8	2.3	0.6	-71.1
		Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	-27.9	-76.3	-2.1	-0.1	69.6
		Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	-26.0	-69.8	-2.3	-0.6	71.1
		Viento +Y exc.+	-2.1	0.3	4.9	0.2	3.6	0.0	-2.1	-22.9	-68.3	0.2	3.6	32.1
		Viento +Y exc.-	-1.8	-0.0	4.4	0.0	3.2	-0.0	-1.8	-20.0	-58.7	0.0	3.2	33.3
		Viento -Y exc.+	2.1	-0.3	-4.9	-0.2	-3.6	-0.0	2.1	22.9	68.3	-0.2	-3.6	-32.1
		Viento -Y exc.-	1.8	0.0	-4.4	-0.0	-3.2	0.0	1.8	20.0	58.7	-0.0	-3.2	-33.3
P100 [22.568;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.3	0.1	0.7	0.1	0.7	0.0	7.3	165.2	280.7	0.1	0.7	11.8
		Cargas muertas	2.0	0.1	0.2	0.0	0.2	0.0	2.0	45.6	77.5	0.0	0.2	3.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-0.1	0.1	0.2	0.1	0.2	0.0	-0.1	-2.6	-4.5	0.1	0.2	0.6
		Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-42.7	-78.7	2.3	0.6	-73.1
		Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-47.4	-86.8	2.1	0.1	-76.5
		Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	42.7	78.7	-2.3	-0.6	73.1
		Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	47.4	86.8	-2.1	-0.1	76.5
		Viento +Y exc.+	2.2	-0.0	4.4	0.0	3.2	0.0	2.2	48.7	87.1	0.0	3.2	70.9
		Viento +Y exc.-	2.3	0.2	4.9	0.2	3.6	0.0	2.3	52.0	92.6	0.2	3.6	73.7
		Viento -Y exc.+	-2.2	0.0	-4.4	-0.0	-3.2	-0.0	-2.2	-48.7	-87.1	-0.0	-3.2	-70.9
		Viento -Y exc.-	-2.3	-0.2	-4.9	-0.2	-3.6	0.0	-2.3	-52.0	-92.6	-0.2	-3.6	-73.7
P20a [24.508;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.8	-0.1	0.4	-0.0	0.6	0.0	13.8	339.3	530.6	-0.0	0.6	14.8
		Cargas muertas	4.5	-0.0	0.1	-0.0	0.2	0.0	4.5	110.3	172.5	-0.0	0.2	4.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.5	-0.1	-0.1	-0.0	0.1	0.0	4.5	110.7	173.0	-0.0	0.1	3.4
		Viento +X exc.+	2.1	4.1	-0.7	2.3	-0.6	-0.0	2.1	54.9	78.8	2.3	-0.6	-101.0
		Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	59.3	86.9	2.1	-0.1	-81.3
		Viento -X exc.+	-2.1	-4.1	0.7	-2.3	0.6	0.0	-2.1	-54.9	-78.8	-2.3	0.6	101.0
		Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	-59.3	-86.9	-2.1	0.1	81.3
		Viento +Y exc.+	2.7	-0.3	4.7	-0.2	3.5	0.0	2.7	66.0	108.2	-0.2	3.5	93.7
		Viento +Y exc.-	2.6	0.0	4.1	-0.1	3.1	0.0	2.6	63.3	102.9	-0.1	3.1	77.1
		Viento -Y exc.+	-2.7	0.3	-4.7	0.2	-3.5	-0.0	-2.7	-66.0	-108.2	0.2	-3.5	-93.7
		Viento -Y exc.-	-2.6	0.0	-4.1	0.1	-3.1	0.0	-2.6	-63.3	-102.9	0.1	-3.1	-77.1
P101 [22.568;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.7	-0.1	-1.0	-0.0	-0.8	0.0	13.7	308.5	468.6	-0.0	-0.8	-16.6
		Cargas muertas	4.4	-0.0	-0.3	-0.0	-0.3	0.0	4.4	100.1	152.1	-0.0	-0.3	-5.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	4.4	-0.0	-0.3	-0.0	-0.2	0.0	4.4	99.0	150.4	-0.0	-0.2	-5.2
		Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-46.4	-76.2	2.1	-0.1	-73.1
		Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-41.6	-70.2	2.3	-0.6	-91.0
		Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	46.4	76.2	-2.1	0.1	73.1
		Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	41.6	70.2	-2.3	0.6	91.0
		Viento +Y exc.+	-2.2	0.0	4.4	-0.0	3.2	0.0	-2.2	-48.9	-70.0	-0.0	3.2	74.2
		Viento +Y exc.-	-2.3	-0.3	5.0	-0.2	3.6	0.0	-2.3	-52.1	-74.0	-0.2	3.6	88.8
		Viento -Y exc.+	2.2	-0.0	-4.4	0.0	-3.2	-0.0	2.2	48.9	70.0	0.0	-3.2	-74.2
		Viento -Y exc.-	2.3	0.3	-5.0	0.2	-3.6	0.0	2.3	52.1	74.0	0.2	-3.6	-88.8
P102 [24.508;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.3	-0.1	-0.5	-0.0	-0.4	0.0	7.3	178.1	249.1	-0.0	-0.4	-10.0
		Cargas muertas	2.0	-0.0	-0.1	-0.0	-0.1	0.0	2.0	49.0	68.5	-0.0	-0.1	-2.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	-0.2	-0.1	-0.0	-0.0	0.0	0.0	-0.2	-3.8	-5.2	-0.0	0.0	1.2
		Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	58.0	76.1	2.1	0.1	-67.8





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	53.6	70.1	2.3	0.6	-62.7
		Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	-58.0	-76.1	-2.1	-0.1	67.8
		Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	-53.6	-70.1	-2.3	-0.6	62.7
		Viento +Y exc.+	-2.7	0.3	5.1	0.2	3.7	0.0	-2.7	-65.9	-87.6	0.2	3.7	83.2
		Viento +Y exc.-	-2.6	-0.0	4.6	0.1	3.3	0.0	-2.6	-63.1	-83.8	0.1	3.3	79.5
		Viento -Y exc.+	2.7	-0.3	-5.1	-0.2	-3.7	-0.0	2.7	65.9	87.6	-0.2	-3.7	-83.2
		Viento -Y exc.-	2.6	0.0	-4.6	-0.1	-3.3	0.0	2.6	63.1	83.8	-0.1	-3.3	-79.5
P103 [30.438;38.665;0.0 grados] (HE 240 B)	32.20/34.67	Peso propio	-52.6	12.8	-7.2	9.5	-2.1	0.0	-52.6	-1588	-2040	9.5	-2.1	-430.7
		Cargas muertas	-18.3	5.0	-3.4	3.7	-1.2	0.0	-18.3	-553.3	-712.6	3.7	-1.2	-176.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
		Sobrecarga de uso	-20.9	9.7	-4.6	7.0	-1.8	0.0	-20.9	-625.9	-812.0	7.0	-1.8	-325.8
		Viento +X exc.+	-1.1	2.9	-0.3	2.0	-0.1	0.0	-1.1	-30.9	-43.3	2.0	-0.1	-82.1
		Viento +X exc.-	-1.2	2.9	-0.5	2.0	-0.2	0.0	-1.2	-34.4	-47.8	2.0	-0.2	-86.4
		Viento -X exc.+	1.1	-2.9	0.3	-2.0	0.1	0.0	1.1	30.9	43.3	-2.0	0.1	82.1
		Viento -X exc.-	1.2	-2.9	0.5	-2.0	0.2	0.0	1.2	34.4	47.8	-2.0	0.2	86.4
		Viento +Y exc.+	13.4	-2.6	24.6	-1.8	16.1	0.0	13.4	404.6	541.9	-1.8	16.1	556.9
		Viento +Y exc.-	16.0	-2.3	30.5	-1.5	19.9	-0.0	16.0	484.5	648.9	-1.5	19.9	665.0
		Viento -Y exc.+	-13.4	2.6	-24.6	1.8	-16.1	-0.0	-13.4	-404.6	-541.9	1.8	-16.1	-556.9
		Viento -Y exc.-	-16.0	2.3	-30.5	1.5	-19.9	0.0	-16.0	-484.5	-648.9	1.5	-19.9	-665.0
P104 [43.033;38.665;0.0 grados] (HE 240 B)	32.20/34.67	Peso propio	-50.0	-12.1	-7.0	-9.2	-2.0	0.0	-50.0	-2166	-1942	-9.2	-2.0	270.4
		Cargas muertas	-17.4	-4.7	-3.3	-3.5	-1.1	0.0	-17.4	-754.4	-676.9	-3.5	-1.1	86.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-19.9	-9.2	-4.4	-6.8	-1.7	0.0	-19.9	-865.0	-773.3	-6.8	-1.7	188.9
		Viento +X exc.+	1.3	3.1	0.3	2.2	0.1	0.0	1.3	58.2	49.8	2.2	0.1	-79.6
		Viento +X exc.-	1.3	3.0	0.5	2.1	0.2	0.0	1.3	60.5	52.2	2.1	0.2	-72.1
		Viento -X exc.+	-1.3	-3.1	-0.3	-2.2	-0.1	0.0	-1.3	-58.2	-49.8	-2.2	-0.1	79.6
		Viento -X exc.-	-1.3	-3.0	-0.5	-2.1	-0.2	0.0	-1.3	-60.5	-52.2	-2.1	-0.2	72.1
		Viento +Y exc.+	15.5	1.7	30.2	1.1	19.9	0.0	15.5	666.7	627.8	1.1	19.9	811.5
		Viento +Y exc.-	13.8	3.0	24.7	2.1	16.1	-0.0	13.8	597.9	559.3	2.1	16.1	613.2
		Viento -Y exc.+	-15.5	-1.7	-30.2	-1.1	-19.9	-0.0	-15.5	-666.7	-627.8	-1.1	-19.9	-811.5
		Viento -Y exc.-	-13.8	-3.0	-24.7	-2.1	-16.1	0.0	-13.8	-597.9	-559.3	-2.1	-16.1	-613.2
P105 [30.438;34.766;0.0 grados] (HE 240 B)	32.20/34.67	Peso propio	63.8	-4.2	-7.8	-10.5	-4.7	0.0	63.8	1936.3	2208.7	-10.5	-4.7	222.8
		Cargas muertas	19.3	-0.6	-1.5	-2.9	-1.0	0.0	19.3	587.0	669.6	-2.9	-1.0	67.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
		Sobrecarga de uso	12.0	4.0	-0.5	0.9	-0.2	0.0	12.0	370.1	417.6	0.9	-0.2	-39.3
		Viento +X exc.+	-0.5	2.9	0.3	2.0	0.1	0.0	-0.5	-11.5	-16.2	2.0	0.1	-66.3
		Viento +X exc.-	-0.4	2.9	0.0	2.0	-0.0	0.0	-0.4	-9.0	-13.6	2.0	-0.0	-71.7
		Viento -X exc.+	0.5	-2.9	-0.3	-2.0	-0.1	0.0	0.5	11.5	16.2	-2.0	-0.1	66.3
		Viento -X exc.-	0.4	-2.9	-0.0	-2.0	0.0	0.0	0.4	9.0	13.6	-2.0	0.0	71.7
		Viento +Y exc.+	-12.4	2.8	27.0	1.7	17.4	0.0	-12.4	-374.5	-404.0	1.7	17.4	470.0
		Viento +Y exc.-	-14.7	2.1	33.3	1.1	21.5	-0.0	-14.7	-445.5	-477.9	1.1	21.5	616.0
		Viento -Y exc.+	12.4	-2.8	-27.0	-1.7	-17.4	-0.0	12.4	374.5	404.0	-1.7	-17.4	-470.0
		Viento -Y exc.-	14.7	-2.1	-33.3	-1.1	-21.5	0.0	14.7	445.5	477.9	-1.1	-21.5	-616.0
P106 [43.033;34.766;0.0 grados] (HE 240 B)	32.20/34.67	Peso propio	64.0	4.4	-7.5	10.5	-4.7	0.0	64.0	2759.5	2218.3	10.5	-4.7	-567.9
		Cargas muertas	19.4	0.6	-1.4	2.8	-1.0	0.0	19.4	834.8	672.6	2.8	-1.0	-142.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	12.2	-3.9	-0.5	-0.9	-0.3	0.0	12.2	521.3	423.8	-0.9	-0.3	19.4
		Viento +X exc.+	0.5	2.9	-0.2	2.0	-0.1	0.0	0.5	24.4	17.2	2.0	-0.1	-73.4
		Viento +X exc.-	0.4	3.0	0.0	2.1	0.1	0.0	0.4	20.5	14.2	2.1	0.1	-68.8
		Viento -X exc.+	-0.5	-2.9	0.2	-2.0	0.1	0.0	-0.5	-24.4	-17.2	-2.0	0.1	73.4
		Viento -X exc.-	-0.4	-3.0	-0.0	-2.1	-0.1	0.0	-0.4	-20.5	-14.2	-2.1	-0.1	68.8
		Viento +Y exc.+	-14.9	-1.7	32.9	-0.9	21.4	0.0	-14.9	-643.8	-485.9	-0.9	21.4	950.9
		Viento +Y exc.-	-12.4	-3.1	27.5	-1.8	17.6	-0.0	-12.4	-535.9	-403.0	-1.8	17.6	818.3
		Viento -Y exc.+	14.9	1.7	-32.9	0.9	-21.4	-0.0	14.9	643.8	485.9	0.9	-21.4	-950.9
		Viento -Y exc.-	12.4	3.1	-27.5	1.8	-17.6	0.0	12.4	535.9	403.0	1.8	-17.6	-818.3
P23a [48.918;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	15.5	0.3	0.5	0.1	0.7	0.0	15.5	757.5	593.1	0.1	0.7	29.4
		Cargas muertas	5.4	0.1	0.1	0.0	0.2	0.0	5.4	264.0	206.6	0.0	0.2	9.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	5.7	0.3	-0.0	0.1	0.2	0.0	5.7	278.6	217.9	0.1	0.2	4.4
		Viento +X exc.+	-2.1	4.1	0.6	2.3	0.6	-0.0	-2.1	-96.4	-78.0	2.3	0.6	-57.0
		Viento +X exc.-	-2.3	3.7	-0.0	2.1	0.1	0.0	-2.3	-106.6	-86.4	2.1	0.1	-73.4
		Viento -X exc.+	2.1	-4.1	-0.6	-2.3	-0.6	0.0	2.1	96.4	78.0	-2.3	-0.6	57.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	2.3	-3.7	0.0	-2.1	-0.1	-0.0	2.3	106.6	86.4	-2.1	-0.1	73.4
		Viento +Y exc.+	2.5	0.0	4.1	0.1	3.1	0.0	2.5	121.7	99.4	0.1	3.1	149.3
		Viento +Y exc.-	2.7	0.3	4.6	0.2	3.5	-0.0	2.7	132.1	107.8	0.2	3.5	162.1
		Viento -Y exc.+	-2.5	0.0	-4.1	-0.1	-3.1	0.0	-2.5	-121.7	-99.4	-0.1	-3.1	-149.3
		Viento -Y exc.-	-2.7	-0.3	-4.6	-0.2	-3.5	0.0	-2.7	-132.1	-107.8	-0.2	-3.5	-162.1
P107 [50.858;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	5.7	-0.4	0.6	-0.2	0.6	0.0	5.7	290.4	219.5	-0.2	0.6	37.5
		Cargas muertas	1.1	-0.2	0.1	-0.1	0.2	0.0	1.1	57.8	43.8	-0.1	0.2	11.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-1.3	-0.4	0.1	-0.2	0.1	0.0	-1.3	-64.6	-48.3	-0.2	0.1	12.1
		Viento +X exc.+	2.1	4.1	-0.6	2.3	-0.6	-0.0	2.1	108.5	78.0	2.3	-0.6	-116.6
		Viento +X exc.-	2.3	3.7	0.0	2.1	-0.1	0.0	2.3	118.4	86.3	2.1	-0.1	-84.1
		Viento -X exc.+	-2.1	-4.1	0.6	-2.3	0.6	0.0	-2.1	-108.5	-78.0	-2.3	0.6	116.6
		Viento -X exc.-	-2.3	-3.7	-0.0	-2.1	0.1	-0.0	-2.3	-118.4	-86.3	-2.1	0.1	84.1
		Viento +Y exc.+	2.4	-0.2	4.9	-0.2	3.6	0.0	2.4	120.8	96.0	-0.2	3.6	190.4
		Viento +Y exc.-	2.2	0.0	4.4	-0.0	3.2	-0.0	2.2	110.7	87.7	-0.0	3.2	164.0
		Viento -Y exc.+	-2.4	0.2	-4.9	0.2	-3.6	0.0	-2.4	-120.8	-96.0	0.2	-3.6	-190.4
		Viento -Y exc.-	-2.2	-0.0	-4.4	0.0	-3.2	0.0	-2.2	-110.7	-87.7	0.0	-3.2	-164.0
P108 [48.918;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	5.6	0.2	-0.6	0.1	-0.5	0.0	5.6	275.3	192.5	0.1	-0.5	-25.7
		Cargas muertas	1.1	0.1	-0.2	0.0	-0.1	0.0	1.1	54.1	37.8	0.0	-0.1	-7.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	-1.3	0.2	-0.1	0.1	-0.0	0.0	-1.3	-65.0	-45.9	0.1	-0.0	-3.5
		Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-105.9	-76.9	2.1	-0.1	-76.5
		Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-95.6	-70.6	2.3	-0.6	-107.3
		Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	105.9	76.9	-2.1	0.1	76.5
		Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	95.6	70.6	-2.3	0.6	107.3
		Viento +Y exc.+	-2.5	0.0	4.5	-0.1	3.3	0.0	-2.5	-121.5	-80.8	-0.1	3.3	162.9
		Viento +Y exc.-	-2.7	-0.3	5.1	-0.2	3.7	-0.0	-2.7	-131.8	-87.3	-0.2	3.7	188.2
		Viento -Y exc.+	2.5	-0.0	-4.5	0.1	-3.3	0.0	2.5	121.5	80.8	0.1	-3.3	-162.9
		Viento -Y exc.-	2.7	0.3	-5.1	0.2	-3.7	0.0	2.7	131.8	87.3	0.2	-3.7	-188.2
P109 [50.858;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	15.3	0.0	-1.0	0.0	-0.8	0.0	15.3	777.4	524.0	0.0	-0.8	-41.2
		Cargas muertas	5.3	0.0	-0.3	0.0	-0.3	0.0	5.3	270.6	182.4	0.0	-0.3	-14.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	5.5	-0.0	-0.4	-0.0	-0.3	0.0	5.5	281.9	190.0	-0.0	-0.3	-13.0
		Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	117.7	76.9	2.1	0.1	-64.8
		Viento +X exc.-	2.0	4.0	0.6	2.2	0.6	0.0	2.0	107.7	70.7	2.2	0.6	-46.7
		Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	-117.7	-76.9	-2.1	-0.1	64.8
		Viento -X exc.-	-2.0	-4.0	-0.6	-2.2	-0.6	-0.0	-2.0	-107.7	-70.7	-2.2	-0.6	46.7
		Viento +Y exc.+	-2.4	0.2	5.0	0.2	3.6	0.0	-2.4	-121.0	-76.9	0.2	3.6	178.2
		Viento +Y exc.-	-2.2	-0.0	4.4	0.0	3.2	-0.0	-2.2	-111.0	-70.5	0.0	3.2	163.6
		Viento -Y exc.+	2.4	-0.2	-5.0	-0.2	-3.6	0.0	2.4	121.0	76.9	-0.2	-3.6	-178.2
		Viento -Y exc.-	2.2	0.0	-4.4	-0.0	-3.2	0.0	2.2	111.0	70.5	-0.0	-3.2	-163.6
P24a [56.918;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.5	0.2	0.3	0.1	0.5	0.0	13.5	766.2	515.6	0.1	0.5	28.4
		Cargas muertas	4.4	0.1	0.1	0.0	0.2	0.0	4.4	250.6	168.6	0.0	0.2	8.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.5	0.2	-0.1	0.0	0.1	0.0	4.5	255.2	171.4	0.0	0.1	2.4
		Viento +X exc.+	-2.0	4.1	0.6	2.3	0.6	-0.0	-2.0	-112.5	-77.8	2.3	0.6	-52.0
		Viento +X exc.-	-2.2	3.7	-0.0	2.1	0.1	0.0	-2.2	-124.2	-86.1	2.1	0.1	-72.3
		Viento -X exc.+	2.0	-4.1	-0.6	-2.3	-0.6	0.0	2.0	112.5	77.8	-2.3	-0.6	52.0
		Viento -X exc.-	2.2	-3.7	0.0	-2.1	-0.1	-0.0	2.2	124.2	86.1	-2.1	-0.1	72.3
		Viento +Y exc.+	2.8	-0.0	4.2	0.0	3.1	0.0	2.8	161.2	112.6	0.0	3.1	175.4
		Viento +Y exc.-	3.0	0.3	4.7	0.2	3.5	-0.0	3.0	171.8	120.1	0.2	3.5	191.6
		Viento -Y exc.+	-2.8	0.0	-4.2	-0.0	-3.1	0.0	-2.8	-161.2	-112.6	-0.0	-3.1	-175.4
		Viento -Y exc.-	-3.0	-0.3	-4.7	-0.2	-3.5	0.0	-3.0	-171.8	-120.1	-0.2	-3.5	-191.6
P110 [58.858;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.7	-0.2	0.7	-0.1	0.7	0.0	7.7	453.3	295.7	-0.1	0.7	42.5
		Cargas muertas	2.1	-0.1	0.2	-0.0	0.2	0.0	2.1	124.9	81.5	-0.0	0.2	13.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-0.1	-0.2	0.2	-0.1	0.2	0.0	-0.1	-4.7	-2.8	-0.1	0.2	12.3
		Viento +X exc.+	2.0	4.1	-0.6	2.3	-0.6	-0.0	2.0	124.5	77.7	2.3	-0.6	-121.6
		Viento +X exc.-	2.2	3.7	0.0	2.1	-0.1	0.0	2.2	135.9	86.0	2.1	-0.1	-85.1
		Viento -X exc.+	-2.0	-4.1	0.6	-2.3	0.6	0.0	-2.0	-124.5	-77.7	-2.3	0.6	121.6
		Viento -X exc.-	-2.2	-3.7	-0.0	-2.1	0.1	-0.0	-2.2	-135.9	-86.0	-2.1	0.1	85.1
		Viento +Y exc.+	2.0	-0.2	4.9	-0.2	3.6	0.0	2.0	119.6	82.8	-0.2	3.6	219.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.-	1.9	0.0	4.4	-0.0	3.2	-0.0	1.9	109.2	75.4	-0.0	3.2	189.8
		Viento -Y exc.+	-2.0	0.2	-4.9	0.2	-3.6	0.0	-2.0	-119.6	-82.8	0.2	-3.6	-219.3
		Viento -Y exc.-	-1.9	-0.0	-4.4	0.0	-3.2	0.0	-1.9	-109.2	-75.4	0.0	-3.2	-189.8
P111 [56.918;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.7	0.1	-0.5	0.0	-0.4	0.0	7.7	436.2	262.6	0.0	-0.4	-26.7
		Cargas muertas	2.1	0.1	-0.2	0.0	-0.1	0.0	2.1	119.6	72.0	0.0	-0.1	-8.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	-0.1	0.1	-0.0	0.0	-0.0	0.0	-0.1	-6.2	-3.9	0.0	-0.0	-1.9
		Viento +X exc.+	-2.2	3.7	0.0	2.1	-0.1	-0.0	-2.2	-123.9	-77.0	2.1	-0.1	-76.8
		Viento +X exc.-	-2.0	4.1	-0.6	2.3	-0.6	0.0	-2.0	-112.3	-70.8	2.3	-0.6	-111.5
		Viento -X exc.+	2.2	-3.7	-0.0	-2.1	0.1	0.0	2.2	123.9	77.0	-2.1	0.1	76.8
		Viento -X exc.-	2.0	-4.1	0.6	-2.3	0.6	-0.0	2.0	-112.3	-70.8	-2.3	0.6	-111.5
		Viento +Y exc.+	-2.8	0.0	4.5	-0.0	3.3	0.0	-2.8	-160.9	-92.5	-0.0	3.3	189.6
		Viento +Y exc.-	-3.0	-0.3	5.1	-0.2	3.7	-0.0	-3.0	-171.5	-98.2	-0.2	3.7	217.9
		Viento -Y exc.+	2.8	-0.0	-4.5	0.0	-3.3	0.0	2.8	160.9	92.5	0.0	-3.3	-189.6
		Viento -Y exc.-	3.0	0.3	-5.1	0.2	-3.7	0.0	3.0	-171.5	-98.2	0.2	-3.7	-217.9
P112 [58.858;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.3	0.0	-0.9	0.0	-0.8	0.0	13.3	781.8	455.3	0.0	-0.8	-44.3
		Cargas muertas	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	255.0	148.5	-0.0	-0.2	-14.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	4.3	-0.0	-0.3	-0.0	-0.2	0.0	4.3	255.8	149.0	-0.0	-0.2	-12.8
		Viento +X exc.+	2.2	3.7	-0.0	2.1	0.1	-0.0	2.2	135.8	77.1	2.1	0.1	-64.5
		Viento +X exc.-	2.0	4.1	0.6	2.3	0.6	0.0	2.0	124.5	70.9	2.3	0.6	-42.5
		Viento -X exc.+	-2.2	-3.7	0.0	-2.1	-0.1	0.0	-2.2	-135.8	-77.1	-2.1	-0.1	64.5
		Viento -X exc.-	-2.0	-4.1	-0.6	-2.3	-0.6	-0.0	-2.0	-124.5	-70.9	-2.3	-0.6	42.5
		Viento +Y exc.+	-2.0	0.3	4.9	0.2	3.6	0.0	-2.0	-119.9	-65.2	0.2	3.6	205.3
		Viento +Y exc.-	-1.9	-0.0	4.4	0.0	3.2	-0.0	-1.9	-109.6	-59.5	0.0	3.2	187.5
		Viento -Y exc.+	2.0	-0.3	-4.9	-0.2	-3.6	0.0	2.0	119.9	65.2	-0.2	-3.6	-205.3
		Viento -Y exc.-	1.9	0.0	-4.4	-0.0	-3.2	0.0	1.9	-109.6	-59.5	-0.0	-3.2	-187.5
P113 [70.618;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.3	0.2	0.6	0.1	0.6	0.0	7.3	512.5	278.4	0.1	0.6	39.9
		Cargas muertas	1.9	0.1	0.2	0.0	0.2	0.0	1.9	137.4	74.6	0.0	0.2	11.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-0.4	0.2	0.1	0.1	0.1	0.0	-0.4	-25.9	-14.0	0.1	0.1	4.9
		Viento +X exc.+	-2.0	4.1	0.6	2.3	0.6	-0.0	-2.0	-138.9	-76.9	2.3	0.6	-44.1
		Viento +X exc.-	-2.2	3.7	-0.0	2.1	0.1	0.0	-2.2	-153.3	-85.1	2.1	0.1	-71.1
		Viento -X exc.+	2.0	-4.1	-0.6	-2.3	-0.6	0.0	2.0	138.9	76.9	-2.3	-0.6	44.1
		Viento -X exc.-	2.2	-3.7	0.0	-2.1	-0.1	-0.0	2.2	-153.3	-85.1	-2.1	-0.1	71.1
		Viento +Y exc.+	1.9	-0.0	4.4	0.0	3.2	0.0	1.9	134.5	77.3	0.0	3.2	223.7
		Viento +Y exc.-	2.1	0.2	4.9	0.2	3.6	-0.0	2.1	148.4	85.2	0.2	3.6	245.6
		Viento -Y exc.+	-1.9	0.0	-4.4	-0.0	-3.2	-0.0	-1.9	-134.5	-77.3	-0.0	-3.2	-223.7
		Viento -Y exc.-	-2.1	-0.2	-4.9	-0.2	-3.6	0.0	-2.1	-148.4	-85.2	-0.2	-3.6	-245.6
P26a [72.558;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.9	-0.1	0.4	-0.0	0.6	0.0	13.9	1009.4	533.1	-0.0	0.6	46.1
		Cargas muertas	4.6	-0.1	0.1	-0.0	0.2	0.0	4.6	332.4	175.6	-0.0	0.2	14.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.8	-0.1	-0.0	-0.0	0.1	0.0	4.8	346.6	183.0	-0.0	0.1	11.6
		Viento +X exc.+	2.0	4.1	-0.7	2.3	-0.6	-0.0	2.0	151.1	76.9	2.3	-0.6	-130.2
		Viento +X exc.-	2.2	3.7	0.0	2.1	-0.1	0.0	2.2	165.2	85.2	2.1	-0.1	-86.9
		Viento -X exc.+	-2.0	-4.1	0.7	-2.3	0.6	0.0	-2.0	-151.1	-76.9	-2.3	0.6	130.2
		Viento -X exc.-	-2.2	-3.7	-0.0	-2.1	0.1	-0.0	-2.2	-165.2	-85.2	-2.1	0.1	86.9
		Viento +Y exc.+	3.0	-0.3	4.7	-0.2	3.5	0.0	3.0	214.5	118.0	-0.2	3.5	262.3
		Viento +Y exc.-	2.8	0.0	4.2	-0.0	3.1	-0.0	2.8	200.8	110.1	-0.0	3.1	227.8
		Viento -Y exc.+	-3.0	0.3	-4.7	0.2	-3.5	-0.0	-3.0	-214.5	-118.0	0.2	-3.5	-262.3
		Viento -Y exc.-	-2.8	-0.0	-4.2	0.0	-3.1	0.0	-2.8	-200.8	-110.1	0.0	-3.1	-227.8
P114 [70.618;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.7	-0.0	-0.8	-0.0	-0.7	0.0	13.7	970.8	471.3	-0.0	-0.7	-50.2
		Cargas muertas	4.5	-0.0	-0.3	-0.0	-0.2	0.0	4.5	318.9	154.8	-0.0	-0.2	-16.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	4.6	0.0	-0.3	0.0	-0.2	0.0	4.6	328.3	159.4	0.0	-0.2	-14.0
		Viento +X exc.+	-2.3	3.7	0.0	2.1	-0.1	-0.0	-2.3	-156.4	-77.9	2.1	-0.1	-78.5
		Viento +X exc.-	-2.1	4.1	-0.6	2.3	-0.6	0.0	-2.1	-142.0	-71.7	2.3	-0.6	-120.0
		Viento -X exc.+	2.3	-3.7	-0.0	-2.1	0.1	0.0	2.3	156.4	77.9	-2.1	0.1	78.5
		Viento -X exc.-	2.1	-4.1	0.6	-2.3	0.6	-0.0	2.1	-142.0	-71.7	-2.3	0.6	-120.0
		Viento +Y exc.+	-1.9	0.0	4.4	-0.0	3.2	0.0	-1.9	-134.9	-61.2	-0.0	3.2	228.8
		Viento +Y exc.-	-2.1	-0.3	4.9	-0.2	3.6	-0.0	-2.1	-148.8	-67.3	-0.2	3.6	262.2
		Viento -Y exc.+	1.9	-0.0	-4.4	0.0	-3.2	-0.0	1.9	134.9	61.2	0.0	-3.2	-228.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P115 [72.558;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Viento -Y exc.-	2.1	0.3	-4.9	0.2	-3.6	0.0	2.1	148.8	67.3	0.2	-3.6	-262.2
		Peso propio	7.2	-0.1	-0.7	-0.0	-0.5	0.0	7.2	521.9	246.4	-0.0	-0.5	-35.7
		Cargas muertas	1.9	-0.0	-0.2	-0.0	-0.2	0.0	1.9	139.0	65.6	-0.0	-0.2	-10.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	-0.4	-0.1	-0.2	-0.0	-0.1	0.0	-0.4	-30.6	-14.6	0.0	-0.1	-2.5
		Viento +X exc.+	2.3	3.7	-0.0	2.1	0.1	-0.0	2.3	168.1	77.8	2.1	0.1	-62.2
		Viento +X exc.-	2.1	4.1	0.6	2.3	0.6	0.0	2.1	154.0	71.6	2.3	0.6	-33.5
		Viento -X exc.+	-2.3	-3.7	0.0	-2.1	-0.1	0.0	-2.3	-168.1	-77.8	-2.1	-0.1	62.2
		Viento -X exc.-	-2.1	-4.1	-0.6	-2.3	-0.6	-0.0	-2.1	-154.0	-71.6	-2.3	-0.6	33.5
		Viento +Y exc.+	-3.0	0.3	5.1	0.2	3.7	0.0	-3.0	-214.2	-96.4	0.2	3.7	261.4
		Viento +Y exc.-	-2.8	-0.0	4.5	0.0	3.3	-0.0	-2.8	-200.4	-90.3	0.0	3.3	237.7
		Viento -Y exc.+	3.0	-0.3	-5.1	-0.2	-3.7	-0.0	3.0	214.2	96.4	-0.2	-3.7	-261.4
		Viento -Y exc.-	2.8	0.0	-4.5	-0.0	-3.3	0.0	2.8	200.4	90.3	-0.0	-3.3	-237.7
P117 [86.628;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.5	-0.0	-0.9	-0.0	-0.8	0.0	13.5	1167.2	461.8	-0.0	-0.8	-64.9
		Cargas muertas	4.4	-0.0	-0.3	0.0	-0.2	0.0	4.4	378.4	149.7	0.0	-0.2	-20.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	4.3	0.0	-0.3	0.0	-0.2	0.0	4.3	372.7	147.4	0.0	-0.2	-19.3
		Viento +X exc.+	-2.3	3.7	0.0	2.2	-0.1	-0.0	-2.3	-199.8	-80.7	2.2	-0.1	-85.1
		Viento +X exc.-	-2.1	4.1	-0.6	2.4	-0.6	0.0	-2.1	-182.1	-74.5	2.4	-0.6	-134.1
		Viento -X exc.+	2.3	-3.7	-0.0	-2.2	0.1	0.0	2.3	199.8	80.7	-2.2	0.1	85.1
		Viento -X exc.-	2.1	-4.1	0.6	-2.4	0.6	-0.0	2.1	182.1	74.5	-2.4	0.6	134.1
		Viento +Y exc.+	-1.8	0.0	4.4	-0.1	3.2	0.0	-1.8	-159.2	-58.7	-0.1	3.2	280.6
		Viento +Y exc.-	-2.1	-0.3	4.9	-0.2	3.6	0.0	-2.1	-179.4	-66.1	-0.2	3.6	320.0
		Viento -Y exc.+	1.8	-0.0	-4.4	0.1	-3.2	-0.0	1.8	159.2	58.7	0.1	-3.2	-280.6
		Viento -Y exc.-	2.1	0.3	-4.9	0.2	-3.6	0.0	2.1	179.4	66.1	0.2	-3.6	-320.0
P116 [86.628;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.6	0.2	0.7	0.1	0.6	0.0	7.6	658.3	291.6	0.1	0.6	52.1
		Cargas muertas	2.1	0.1	0.2	0.0	0.2	0.0	2.1	183.0	81.0	0.0	0.2	15.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	-0.0	0.2	0.1	0.1	0.1	0.0	-0.0	-1.4	-0.5	0.1	0.1	8.9
		Viento +X exc.+	-2.2	4.1	0.6	2.4	0.6	-0.0	-2.2	-184.7	-82.8	2.4	0.6	-39.1
		Viento +X exc.-	-2.4	3.7	-0.0	2.2	0.1	0.0	-2.4	-202.3	-91.1	2.2	0.1	-72.3
		Viento -X exc.+	2.2	-4.1	-0.6	-2.4	-0.6	0.0	2.2	184.7	82.8	-2.4	-0.6	39.1
		Viento -X exc.-	2.4	-3.7	0.0	-2.2	-0.1	-0.0	2.4	202.3	91.1	-2.2	-0.1	72.3
		Viento +Y exc.+	1.8	-0.0	4.4	0.1	3.2	0.0	1.8	158.7	74.5	0.1	3.2	275.1
		Viento +Y exc.-	2.1	0.3	4.9	0.2	3.6	0.0	2.1	179.0	83.9	0.2	3.6	302.0
		Viento -Y exc.+	-1.8	0.0	-4.4	-0.1	-3.2	-0.0	-1.8	-158.7	-74.5	-0.1	-3.2	-275.1
		Viento -Y exc.-	-2.1	-0.3	-4.9	-0.2	-3.6	0.0	-2.1	-179.0	-83.9	-0.2	-3.6	-302.0
P118 [88.558;34.343;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	7.5	-0.1	-0.6	-0.0	-0.5	0.0	7.5	660.1	255.5	-0.0	-0.5	-38.7
		Cargas muertas	2.1	-0.1	-0.2	-0.0	-0.1	0.0	2.1	182.5	70.6	-0.0	-0.1	-10.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
		Sobrecarga de uso	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	-0.1	-6.3	-2.4	-0.0	-0.0	1.3
		Viento +X exc.+	2.3	3.5	-0.0	1.9	0.1	-0.0	2.3	211.3	80.5	1.9	0.1	-58.4
		Viento +X exc.-	2.1	3.8	0.6	2.1	0.6	0.0	2.1	194.1	74.4	2.1	0.6	-22.7
		Viento -X exc.+	-2.3	-3.5	0.0	-1.9	-0.1	0.0	-2.3	-211.3	-80.5	-1.9	-0.1	58.4
		Viento -X exc.-	-2.1	-3.8	-0.6	-2.1	-0.6	-0.0	-2.1	-194.1	-74.4	-2.1	-0.6	22.7
		Viento +Y exc.+	-3.0	0.2	5.1	0.2	3.7	0.0	-3.0	-267.9	-98.9	0.2	3.7	320.9
		Viento +Y exc.-	-2.8	-0.0	4.5	0.0	3.3	0.0	-2.8	-247.5	-91.5	0.0	3.3	290.6
		Viento -Y exc.+	3.0	-0.2	-5.1	-0.2	-3.7	-0.0	3.0	267.9	98.9	-0.2	-3.7	-320.9
		Viento -Y exc.-	2.8	0.0	-4.5	-0.0	-3.3	0.0	2.8	247.5	91.5	-0.0	-3.3	-290.6
P28a [88.558;38.286;0.0 grados] (HE 100 B)	32.20/34.81	Peso propio	13.6	-0.2	0.3	-0.1	0.6	0.0	13.6	1202.0	520.1	-0.1	0.6	51.6
		Cargas muertas	4.4	-0.1	0.1	-0.0	0.2	0.0	4.4	390.8	169.1	-0.0	0.2	15.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0
		Sobrecarga de uso	4.4	-0.2	-0.1	-0.1	0.1	0.0	4.4	391.5	169.2	-0.1	0.1	9.1
		Viento +X exc.+	2.2	3.8	-0.6	2.1	-0.6	-0.0	2.2	197.1	82.9	2.1	-0.6	-132.3
		Viento +X exc.-	2.4	3.5	0.0	1.9	-0.1	0.0	2.4	214.3	91.2	1.9	-0.1	-82.4
		Viento -X exc.+	-2.2	-3.8	0.6	-2.1	0.6	0.0	-2.2	-197.1	-82.9	-2.1	0.6	132.3
		Viento -X exc.-	-2.4	-3.5	-0.0	-1.9	0.1	-0.0	-2.4	-214.3	-91.2	-1.9	0.1	82.4
		Viento +Y exc.+	3.0	-0.3	4.7	-0.2	3.5	0.0	3.0	268.5	120.9	-0.2	3.5	317.5
		Viento +Y exc.-	2.8	0.0	4.2	-0.0	3.1	0.0	2.8	248.0	111.4	-0.0	3.1	278.7
		Viento -Y exc.+	-3.0	0.3	-4.7	0.2	-3.5	-0.0	-3.0	-268.5	-120.9	0.2	-3.5	-317.5
		Viento -Y exc.-	-2.8	-0.0	-4.2	0.0	-3.1	0.0	-2.8	-248.0	-111.4	0.0	-3.1	-278.7
P138 [104.890;34.393;0.0 grados]	32.20/34.73	Peso propio	45.5	-5.3	-6.7	-7.6	-5.5	0.0	45.5	4767.2	1558.2	-7.6	-5.5	-311.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(HE 200 B)		Cargas muertas	13.7	-1.6	-1.8	-2.4	-1.5	0.0	13.7	1440.2	471.0	-2.4	-1.5	-74.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
		Sobrecarga de uso	8.6	1.0	-0.3	-0.3	-0.2	0.0	8.6	899.2	294.2	-0.3	-0.2	-10.4
		Viento +X exc.+	-0.6	3.0	-0.0	2.1	-0.1	0.0	-0.6	-58.0	-20.0	2.1	-0.1	-78.6
		Viento +X exc.-	-0.5	3.0	-0.3	2.1	-0.3	0.0	-0.5	-45.4	-16.2	2.1	-0.3	-101.8
		Viento -X exc.+	0.6	-3.0	0.0	-2.1	0.1	0.0	0.6	58.0	20.0	-2.1	0.1	78.6
		Viento -X exc.-	0.5	-3.0	0.3	-2.1	0.3	0.0	0.5	45.4	16.2	-2.1	0.3	101.8
		Viento +Y exc.+	-8.8	0.6	19.7	0.5	13.8	0.0	-8.8	-926.6	-284.3	0.5	13.8	1431.1
		Viento +Y exc.-	-10.3	-0.2	23.1	-0.1	16.2	-0.0	-10.3	-1077	-330.0	-0.1	16.2	1706.8
		Viento -Y exc.+	8.8	-0.6	-19.7	-0.5	-13.8	-0.0	8.8	926.6	284.3	-0.5	-13.8	-1431
		Viento -Y exc.-	10.3	0.2	-23.1	0.1	-16.2	0.0	10.3	1077.0	330.0	0.1	-16.2	-1707
P137 [113.508;38.625;0.0 grados] (HE 200 B)	32.20/34.81	Peso propio	-86.5	-0.2	-2.4	0.1	-1.1	0.0	-86.5	-9814	-3342	0.1	-1.1	-132.6
		Cargas muertas	-27.0	-0.0	-0.9	0.0	-0.4	0.0	-27.0	-3062	-1043	0.0	-0.4	-43.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0
		Sobrecarga de uso	-32.4	-2.9	-2.6	-1.9	-1.3	0.0	-32.4	-3682	-1255	-1.9	-1.3	-68.5
		Viento +X exc.+	3.3	3.0	0.1	2.1	0.0	0.0	3.3	380.4	128.5	2.1	0.0	-77.1
		Viento +X exc.-	3.4	2.9	0.3	2.1	0.2	0.0	3.4	386.5	130.8	2.1	0.2	-56.7
		Viento -X exc.+	-3.3	-3.0	-0.1	-2.1	-0.0	0.0	-3.3	-380.4	-128.5	-2.1	-0.0	77.1
		Viento -X exc.-	-3.4	-2.9	-0.3	-2.1	-0.2	0.0	-3.4	-386.5	-130.8	-2.1	-0.2	56.7
		Viento +Y exc.+	8.1	-0.3	17.8	-0.1	11.5	0.0	8.1	919.7	330.8	-0.1	11.5	1305.7
		Viento +Y exc.-	7.5	0.4	14.7	0.3	9.5	-0.0	7.5	855.6	305.7	0.3	9.5	1059.6
		Viento -Y exc.+	-8.1	0.3	-17.8	0.1	-11.5	-0.0	-8.1	-919.7	-330.8	0.1	-11.5	-1306
		Viento -Y exc.-	-7.5	-0.4	-14.7	-0.3	-9.5	0.0	-7.5	-855.6	-305.7	-0.3	-9.5	-1060
P139 [113.508;34.393;0.0 grados] (HE 200 B)	32.20/34.81	Peso propio	41.8	9.2	-7.2	9.8	-4.4	0.0	41.8	4756.9	1431.4	9.8	-4.4	-842.9
		Cargas muertas	12.6	3.0	-2.3	3.1	-1.4	0.0	12.6	1438.8	432.7	3.1	-1.4	-265.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
		Sobrecarga de uso	7.6	0.8	-1.7	1.5	-0.5	0.0	7.6	865.5	260.3	1.5	-0.5	-110.7
		Viento +X exc.+	0.7	2.9	-0.1	2.0	-0.0	0.0	0.7	81.7	23.8	2.0	-0.0	-72.6
		Viento +X exc.-	0.6	3.0	0.3	2.1	0.2	0.0	0.6	68.7	20.2	2.1	0.2	-51.2
		Viento -X exc.+	-0.7	-2.9	0.1	-2.0	0.0	0.0	-0.7	-81.7	-23.8	-2.0	0.0	72.6
		Viento -X exc.-	-0.6	-3.0	-0.3	-2.1	-0.2	0.0	-0.6	-68.7	-20.2	-2.1	-0.2	51.2
		Viento +Y exc.+	-9.4	0.4	21.6	0.2	14.0	0.0	-9.4	-1065	-301.1	0.2	14.0	1580.9
		Viento +Y exc.-	-8.0	-0.5	17.6	-0.4	11.4	-0.0	-8.0	-903.5	-256.0	-0.4	11.4	1311.7
		Viento -Y exc.+	9.4	-0.4	-21.6	-0.2	-14.0	-0.0	9.4	1064.6	301.1	-0.2	-14.0	-1581
		Viento -Y exc.-	8.0	0.5	-17.6	0.4	-11.4	0.0	8.0	903.5	256.0	0.4	-11.4	-1312
P119 [104.890;38.625;0.0 grados] (HE 200 B)	32.20/34.73	Peso propio	36.8	-3.1	3.4	-5.5	6.2	0.0	36.8	3852.1	1423.1	-5.5	6.2	860.8
		Cargas muertas	11.2	-1.0	0.5	-1.8	1.7	0.0	11.2	1178.1	434.7	-1.8	1.7	249.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
		Sobrecarga de uso	6.6	1.6	-1.5	0.3	0.7	0.0	6.6	694.2	253.6	0.3	0.7	60.5
		Viento +X exc.+	-0.7	2.8	0.0	2.0	0.0	0.0	-0.7	-67.1	-25.7	2.0	0.0	-75.5
		Viento +X exc.-	-0.8	2.8	-0.3	2.0	-0.2	0.0	-0.8	-80.2	-30.9	2.0	-0.2	-99.4
		Viento -X exc.+	0.7	-2.8	-0.0	-2.0	-0.0	0.0	0.7	67.1	25.7	-2.0	-0.0	75.5
		Viento -X exc.-	0.8	-2.8	0.3	-2.0	0.2	0.0	0.8	80.2	30.9	-2.0	0.2	99.4
		Viento +Y exc.+	8.7	-0.5	15.8	-0.4	12.0	0.0	8.7	912.5	352.0	-0.4	12.0	1271.0
		Viento +Y exc.-	10.2	0.1	20.4	0.0	15.0	-0.0	10.2	1070.9	414.7	0.0	15.0	1570.9
		Viento -Y exc.+	-8.7	0.5	-15.8	0.4	-12.0	-0.0	-8.7	-912.5	-352.0	0.4	-12.0	-1271
		Viento -Y exc.-	-10.2	-0.1	-20.4	-0.0	-15.0	0.0	-10.2	-1071	-414.7	-0.0	-15.0	-1571
P123 [8.738;39.285;0.0 grados] (HE 140 A)	32.20/34.97	Peso propio	3.1	0.0	0.1	-0.0	0.7	0.0	3.1	27.2	122.4	-0.0	0.7	5.9
		Cargas muertas	7.4	-0.1	2.2	-0.1	2.7	0.0	7.4	64.5	292.9	-0.1	2.7	26.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	14.4	-0.1	4.2	-0.1	5.2	0.0	14.4	125.8	570.1	-0.1	5.2	48.7
		Viento +X exc.+	-0.0	1.0	-0.0	0.3	-0.0	0.0	-0.0	0.9	-0.1	0.3	-0.0	-13.4
		Viento +X exc.-	-0.0	1.0	-0.0	0.3	-0.0	0.0	-0.0	0.9	-0.2	0.3	-0.0	-13.5
		Viento -X exc.+	0.0	-1.0	0.0	-0.3	0.0	0.0	0.0	-0.9	0.1	-0.3	0.0	13.4
		Viento -X exc.-	0.0	-1.0	0.0	-0.3	0.0	0.0	0.0	-0.9	0.2	-0.3	0.0	13.5
		Viento +Y exc.+	0.4	-0.0	2.7	-0.0	1.4	0.0	0.4	3.4	18.0	-0.0	1.4	12.8
		Viento +Y exc.-	0.5	-0.0	3.5	-0.0	1.9	0.0	0.5	4.5	23.8	-0.0	1.9	16.3
		Viento -Y exc.+	-0.4	0.0	-2.7	0.0	-1.4	0.0	-0.4	-3.4	-18.0	0.0	-1.4	-12.8
		Viento -Y exc.-	-0.5	0.0	-3.5	0.0	-1.9	0.0	-0.5	-4.5	-23.8	0.0	-1.9	-16.3
P124 [16.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	-0.1	0.5	-0.0	1.3	0.0	5.1	85.8	202.1	-0.0	1.3	23.3
		Cargas muertas	14.2	-0.2	4.7	-0.1	5.8	0.0	14.2	238.3	564.4	-0.1	5.8	99.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	28.7	-0.3	9.3	-0.1	11.7	0.0	28.7	480.0	1136.6	-0.1	11.7	200.2
		Viento +X exc.+	-0.0	2.3	-0.0	0.8	-0.0	0.0	-0.0	2.3	-0.1	0.8	-0.0	-31.4
		Viento +X exc.-	-0.0	2.3	-0.1	0.8	-0.0	0.0	-0.0	2.3	-0.2	0.8	-0.0	-31.6
		Viento -X exc.+	0.0	-2.3	0.0	-0.8	0.0	0.0	0.0	-2.3	0.1	-0.8	0.0	31.4
		Viento -X exc.-	0.0	-2.3	0.1	-0.8	0.0	0.0	0.0	-2.3	0.2	-0.8	0.0	31.6
		Viento +Y exc.+	0.3	-0.0	5.5	-0.0	2.3	0.0	0.3	5.2	17.7	-0.0	2.3	38.5
		Viento +Y exc.-	0.4	0.0	6.9	0.0	2.9	0.0	0.4	6.6	22.3	0.0	2.9	47.4
		Viento -Y exc.+	-0.3	0.0	-5.5	0.0	-2.3	0.0	-0.3	-5.2	-17.7	0.0	-2.3	-38.5
		Viento -Y exc.-	-0.4	-0.0	-6.9	-0.0	-2.9	0.0	-0.4	-6.6	-22.3	-0.0	-2.9	-47.4
P125 [24.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.4	-0.0	0.1	1.1	0.0	5.1	126.7	200.4	0.1	1.1	22.6
		Cargas muertas	14.1	0.0	4.5	0.0	5.6	0.0	14.1	349.5	559.5	0.0	5.6	139.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.1	8.7	-0.0	11.3	0.0	28.4	703.5	1126.1	-0.0	11.3	280.9
		Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	2.2	-0.0	0.8	-0.0	-30.0
		Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	2.2	-0.1	0.8	-0.0	-30.2
		Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.0	-0.8	0.0	30.0
		Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.2
		Viento +Y exc.+	0.3	-0.1	5.3	-0.0	2.2	0.0	0.3	7.9	18.0	-0.0	2.2	56.0
		Viento +Y exc.-	0.4	-0.1	6.3	-0.0	2.7	0.0	0.4	9.6	21.7	-0.0	2.7	66.5
		Viento -Y exc.+	-0.3	0.1	-5.3	0.0	-2.2	0.0	-0.3	-7.9	-18.0	0.0	-2.2	-56.0
		Viento -Y exc.-	-0.4	0.1	-6.3	0.0	-2.7	0.0	-0.4	-9.6	-21.7	0.0	-2.7	-66.5
P126 [32.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.0	-0.7	0.0	0.9	0.0	5.1	168.0	200.8	0.0	0.9	30.0
		Cargas muertas	14.1	-0.1	4.2	-0.0	5.6	0.0	14.1	463.0	560.0	-0.0	5.6	184.3
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.3	8.6	-0.1	11.3	0.0	28.5	931.6	1126.8	-0.1	11.3	373.0
		Viento +X exc.+	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	2.2	-0.1	0.8	-0.0	-30.2
		Viento +X exc.-	-0.0	2.2	-0.1	0.8	-0.0	0.0	-0.0	2.2	-0.1	0.8	-0.0	-30.4
		Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.2
		Viento -X exc.-	0.0	-2.2	0.1	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.4
		Viento +Y exc.+	0.3	-0.0	5.1	-0.0	2.1	0.0	0.3	9.2	16.2	-0.0	2.1	70.1
		Viento +Y exc.-	0.3	0.0	5.9	0.0	2.4	0.0	0.3	10.7	18.7	0.0	2.4	79.7
		Viento -Y exc.+	-0.3	0.0	-5.1	0.0	-2.1	0.0	-0.3	-9.2	-16.2	0.0	-2.1	-70.1
		Viento -Y exc.-	-0.3	0.0	-5.9	0.0	-2.4	0.0	-0.3	-10.7	-18.7	0.0	-2.4	-79.7
P127 [40.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.0	-0.8	0.0	0.9	0.0	5.1	209.1	200.8	0.0	0.9	36.5
		Cargas muertas	14.2	-0.1	4.2	-0.0	5.6	0.0	14.2	576.3	560.1	-0.0	5.6	228.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.3	8.5	-0.1	11.3	0.0	28.5	1159.3	1126.7	-0.1	11.3	461.9
		Viento +X exc.+	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	2.2	-0.1	0.8	-0.0	-30.0
		Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	2.1	-0.1	0.8	-0.0	-30.3
		Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.0
		Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.1	0.1	-0.8	0.0	30.3
		Viento +Y exc.+	0.3	-0.0	5.3	-0.0	2.2	0.0	0.3	11.7	16.6	-0.0	2.2	89.0
		Viento +Y exc.-	0.3	0.0	5.9	0.0	2.4	0.0	0.3	13.1	18.5	0.0	2.4	98.3
		Viento -Y exc.+	-0.3	0.0	-5.3	0.0	-2.2	0.0	-0.3	-11.7	-16.6	0.0	-2.2	-89.0
		Viento -Y exc.-	-0.3	-0.0	-5.9	-0.0	-2.4	0.0	-0.3	-13.1	-18.5	-0.0	-2.4	-98.3
P128 [48.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	-1.0	-0.6	-0.3	1.0	0.0	5.1	247.3	199.6	-0.3	1.0	59.8
		Cargas muertas	14.1	-0.5	4.3	-0.2	5.6	0.0	14.1	688.0	559.3	-0.2	5.6	278.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.8	8.5	-0.3	11.2	0.0	28.4	1385.4	1125.8	-0.3	11.2	557.8
		Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	2.2	-0.1	0.8	-0.0	-30.1
		Viento +X exc.-	-0.0	2.2	-0.0	0.8	-0.0	0.0	-0.0	2.1	-0.1	0.8	-0.0	-30.3
		Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.1
		Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.1	0.1	-0.8	0.0	30.3
		Viento +Y exc.+	0.3	0.1	5.5	0.0	2.3	0.0	0.3	16.4	18.7	0.0	2.3	111.2
		Viento +Y exc.-	0.4	0.1	5.8	0.0	2.5	0.0	0.4	17.7	20.0	0.0	2.5	118.4
		Viento -Y exc.+	-0.3	-0.1	-5.5	-0.0	-2.3	0.0	-0.3	-16.4	-18.7	-0.0	-2.3	-111.2
		Viento -Y exc.-	-0.4	-0.1	-5.8	-0.0	-2.5	0.0	-0.4	-17.7	-20.0	-0.0	-2.5	-118.4
P129 [56.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.0	-0.4	0.0	1.0	0.0	5.1	289.1	199.8	0.0	1.0	57.2
		Cargas muertas	14.1	-0.1	4.4	-0.0	5.6	0.0	14.1	801.5	559.5	-0.0	5.6	320.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.1	8.7	-0.0	11.3	0.0	28.4	1613.8	1126.2	-0.0	11.3	644.0
		Viento +X exc.+	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	2.2	-0.0	0.8	-0.0	-30.4





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	0.0	2.2	-0.0	0.8	-0.0	0.0	0.0	2.2	-0.1	0.8	-0.0	-30.5
		Viento -X exc.+	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.0	-0.8	0.0	30.4
		Viento -X exc.-	0.0	-2.2	0.0	-0.8	0.0	0.0	0.0	-2.2	0.1	-0.8	0.0	30.5
		Viento +Y exc.+	0.3	-0.0	5.7	-0.0	2.4	0.0	0.3	19.6	19.3	-0.0	2.4	136.7
		Viento +Y exc.-	0.4	-0.0	5.9	0.0	2.5	0.0	0.4	20.2	19.8	0.0	2.5	139.9
		Viento -Y exc.+	-0.3	0.0	-5.7	0.0	-2.4	0.0	-0.3	-19.6	-19.3	0.0	-2.4	-136.7
		Viento -Y exc.-	-0.4	0.0	-5.9	0.0	-2.5	0.0	-0.4	-20.2	-19.8	0.0	-2.5	-139.9
P130 [64.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	-0.1	0.4	-0.0	1.3	0.0	5.1	330.2	200.8	-0.0	1.3	83.6
		Cargas muertas	14.1	-0.2	4.8	-0.1	5.7	0.0	14.1	914.8	560.0	-0.1	5.7	374.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.3	9.4	-0.1	11.5	0.0	28.5	1841.9	1127.2	-0.1	11.5	750.8
		Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.3	0.0	0.8	0.0	-30.9
		Viento +X exc.-	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.4	0.0	0.8	0.0	-30.9
		Viento -X exc.+	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-2.3	-0.0	-0.8	-0.0	30.9
		Viento -X exc.-	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-2.4	-0.0	-0.8	-0.0	30.9
		Viento +Y exc.+	0.4	-0.0	6.1	-0.0	2.5	0.0	0.4	23.0	20.1	-0.0	2.5	163.9
		Viento +Y exc.-	0.4	0.0	6.0	0.0	2.5	0.0	0.4	22.7	19.8	0.0	2.5	161.4
		Viento -Y exc.+	-0.4	0.0	-6.1	0.0	-2.5	0.0	-0.4	-23.0	-20.1	0.0	-2.5	-163.9
		Viento -Y exc.-	-0.4	-0.0	-6.0	-0.0	-2.5	0.0	-0.4	-22.7	-19.8	-0.0	-2.5	-161.4
P131 [72.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.0	-0.1	0.0	1.1	0.0	5.1	371.1	200.3	0.0	1.1	81.7
		Cargas muertas	14.1	-0.2	4.6	-0.1	5.7	0.0	14.1	1027.9	559.8	-0.1	5.7	415.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.4	9.0	-0.1	11.4	0.0	28.5	2069.3	1126.8	-0.1	11.4	834.3
		Viento +X exc.+	0.0	2.2	0.0	0.8	0.0	0.0	0.0	2.3	0.1	0.8	0.0	-29.1
		Viento +X exc.-	0.0	2.2	0.0	0.8	0.0	0.0	0.0	2.3	0.1	0.8	0.0	-28.8
		Viento -X exc.+	0.0	-2.2	-0.0	-0.8	-0.0	0.0	0.0	-2.3	-0.1	-0.8	-0.0	29.1
		Viento -X exc.-	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-2.3	-0.1	-0.8	-0.0	28.8
		Viento +Y exc.+	0.4	0.0	5.9	0.0	2.5	0.0	0.4	26.1	20.0	0.0	2.5	179.8
		Viento +Y exc.-	0.3	0.0	5.6	0.0	2.3	0.0	0.3	24.6	18.9	0.0	2.3	170.3
		Viento -Y exc.+	-0.4	-0.0	-5.9	-0.0	-2.5	0.0	-0.4	-26.1	-20.0	-0.0	-2.5	-179.8
		Viento -Y exc.-	-0.3	-0.0	-5.6	-0.0	-2.3	0.0	-0.3	-24.6	-18.9	-0.0	-2.3	-170.3
P132 [80.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	-0.1	0.6	-0.0	1.4	0.0	5.1	412.6	201.4	-0.0	1.4	111.4
		Cargas muertas	14.1	-0.2	4.8	-0.0	5.8	0.0	14.1	1141.3	560.2	-0.0	5.8	467.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.3	9.3	-0.1	11.5	0.0	28.5	2297.6	1127.4	-0.1	11.5	934.8
		Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.4	0.0	0.8	0.0	-30.7
		Viento +X exc.-	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.5	0.1	0.8	0.0	-30.2
		Viento -X exc.+	0.0	-2.3	-0.0	-0.8	-0.0	0.0	0.0	-2.4	-0.0	-0.8	-0.0	30.7
		Viento -X exc.-	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-2.5	-0.1	-0.8	-0.0	30.2
		Viento +Y exc.+	0.4	-0.0	6.2	-0.0	2.6	0.0	0.4	29.5	20.5	-0.0	2.6	208.0
		Viento +Y exc.-	0.3	0.0	5.6	0.0	2.3	0.0	0.3	26.7	18.6	0.0	2.3	189.2
		Viento -Y exc.+	-0.4	0.0	-6.2	0.0	-2.6	0.0	-0.4	-29.5	-20.5	0.0	-2.6	-208.0
		Viento -Y exc.-	-0.3	-0.0	-5.6	-0.0	-2.3	0.0	-0.3	-26.7	-18.6	-0.0	-2.3	-189.2
P133 [88.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.1	-0.1	0.0	1.1	0.0	5.1	453.3	200.5	0.0	1.1	98.2
		Cargas muertas	14.1	-0.1	4.5	-0.0	5.7	0.0	14.1	1254.5	559.9	-0.0	5.7	504.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.5	-0.3	8.8	-0.1	11.3	0.0	28.5	2525.0	1126.7	-0.1	11.3	1010.9
		Viento +X exc.+	0.0	2.2	0.0	0.8	0.0	0.0	0.0	2.3	0.1	0.8	0.0	-28.8
		Viento +X exc.-	0.0	2.2	0.0	0.8	0.0	0.0	0.0	2.4	0.1	0.8	0.0	-28.1
		Viento -X exc.+	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-2.3	-0.1	-0.8	-0.0	28.8
		Viento -X exc.-	-0.0	-2.2	-0.0	-0.8	-0.0	0.0	-0.0	-2.4	-0.1	-0.8	-0.0	28.1
		Viento +Y exc.+	0.4	0.0	5.9	0.0	2.5	0.0	0.4	32.6	20.3	0.0	2.5	220.9
		Viento +Y exc.-	0.3	0.0	5.2	0.0	2.2	0.0	0.3	28.1	17.6	0.0	2.2	193.1
		Viento -Y exc.+	-0.4	-0.0	-5.9	-0.0	-2.5	0.0	-0.4	-32.6	-20.3	-0.0	-2.5	-220.9
		Viento -Y exc.-	-0.3	-0.0	-5.2	-0.0	-2.2	0.0	-0.3	-28.1	-17.6	-0.0	-2.2	-193.1
P134 [96.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	-0.1	0.5	-0.0	1.3	0.0	5.1	493.8	201.1	-0.0	1.3	130.4
		Cargas muertas	14.1	-0.2	4.8	-0.1	5.8	0.0	14.1	1365.1	559.3	-0.1	5.8	558.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.4	-0.3	9.3	-0.1	11.5	0.0	28.4	2747.9	1125.4	-0.1	11.5	1115.9
		Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.4	0.1	0.8	0.0	-30.4
		Viento -X exc.+	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-2.4	-0.1	-0.8	-0.0	30.4





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cubierta +32.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=32.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-2.6	-0.2	-0.8	-0.0	29.3
		Viento +Y exc.+	0.4	-0.0	6.3	-0.0	2.6	0.0	0.4	36.7	21.2	-0.0	2.6	255.6
		Viento +Y exc.-	0.3	0.0	5.3	0.0	2.2	0.0	0.3	30.3	17.6	0.0	2.2	214.2
		Viento -Y exc.+	-0.4	0.0	-6.3	0.0	-2.6	0.0	-0.4	-36.7	-21.2	0.0	-2.6	-255.6
		Viento -Y exc.-	-0.3	-0.0	-5.3	-0.0	-2.2	0.0	-0.3	-30.3	-17.6	-0.0	-2.2	-214.2
P135 [104.738;39.285;0.0 grados] (HE 180 A)	32.20/34.97	Peso propio	5.1	0.2	0.1	0.1	1.2	0.0	5.1	532.0	199.6	0.1	1.2	121.0
		Cargas muertas	14.0	-0.1	4.6	-0.0	5.6	0.0	14.0	1470.8	556.3	-0.0	5.6	589.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso	28.3	-0.0	8.9	-0.0	11.2	0.0	28.3	2960.5	1119.3	-0.0	11.2	1176.2
		Viento +X exc.+	0.0	2.3	0.0	0.8	0.0	0.0	0.0	2.4	0.1	0.8	0.0	-28.8
		Viento +X exc.-	0.0	2.3	0.1	0.8	0.0	0.0	0.0	2.6	0.2	0.8	0.0	-27.4
		Viento -X exc.+	-0.0	-2.3	-0.0	-0.8	-0.0	0.0	-0.0	-2.4	-0.1	-0.8	-0.0	28.8
		Viento -X exc.-	-0.0	-2.3	-0.1	-0.8	-0.0	0.0	-0.0	-2.6	-0.2	-0.8	-0.0	27.4
		Viento +Y exc.+	0.4	-0.0	6.2	-0.0	2.6	0.0	0.4	40.8	21.5	-0.0	2.6	271.7
		Viento +Y exc.-	0.3	-0.0	4.9	-0.0	2.1	0.0	0.3	32.1	16.9	-0.0	2.1	217.5
		Viento -Y exc.+	-0.4	0.0	-6.2	0.0	-2.6	0.0	-0.4	-40.8	-21.5	0.0	-2.6	-271.7
		Viento -Y exc.-	-0.3	0.0	-4.9	0.0	-2.1	0.0	-0.3	-32.1	-16.9	0.0	-2.1	-217.5
		Peso propio	3.2	0.0	0.3	0.0	0.8	0.0	3.2	362.5	126.6	0.0	0.8	88.5
		Cargas muertas	7.4	0.0	2.7	0.0	3.1	0.0	7.4	838.0	294.7	0.0	3.1	346.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
P136 [112.738;39.285;0.0 grados] (HE 160 A)	32.20/34.97	Sobrecarga de uso	14.6	-0.2	4.6	0.0	5.8	0.0	14.6	1640.5	576.3	0.0	5.8	652.5
		Viento +X exc.+	0.0	1.5	-0.0	0.5	0.0	0.0	0.0	1.6	0.0	0.5	0.0	-20.5
		Viento +X exc.-	0.0	1.5	0.0	0.5	0.0	0.0	0.0	1.9	0.2	0.5	0.0	-19.3
		Viento -X exc.+	-0.0	-1.5	0.0	-0.5	0.0	0.0	-0.0	-1.6	-0.0	-0.5	0.0	20.5
		Viento -X exc.-	-0.0	-1.5	-0.0	-0.5	-0.0	0.0	-0.0	-1.9	-0.2	-0.5	-0.0	19.3
		Viento +Y exc.+	0.4	-0.0	4.4	-0.0	2.0	0.0	0.4	39.5	18.2	-0.0	2.0	221.0
		Viento +Y exc.-	0.3	-0.0	3.3	-0.0	1.5	0.0	0.3	29.5	13.6	-0.0	1.5	170.4
		Viento -Y exc.+	-0.4	0.0	-4.4	0.0	-2.0	0.0	-0.4	-39.5	-18.2	0.0	-2.0	-221.0
		Viento -Y exc.-	-0.3	0.0	-3.3	0.0	-1.5	0.0	-0.3	-29.5	-13.6	0.0	-1.5	-170.4
Sumatorio		Peso propio							864.7	52027	31504	0.0	0.0	0.0
		Cargas muertas							568.0	34314	20521	0.0	0.0	0.0
		H 1							0.0	0.0	0.0	0.0	0.0	0.0
		Sobrecarga de uso							836.2	50666	30101	0.0	0.0	0.0
		Viento +X exc.+							0.0	245.4	0.0	87.7	0.0	-3199
		Viento +X exc.-							0.0	245.4	0.0	87.7	0.0	-3164
		Viento -X exc.+							0.0	-245.4	0.0	-87.7	0.0	3199.0
		Viento -X exc.-							0.0	-245.4	0.0	-87.7	0.0	3163.8
		Viento +Y exc.+							0.0	0.0	784.5	0.0	280.5	17178
		Viento +Y exc.-							0.0	0.0	784.5	0.0	280.5	16739
		Viento -Y exc.+							0.0	0.0	-784.5	0.0	-280.5	-17178
		Viento -Y exc.-							0.0	0.0	-784.5	0.0	-280.5	-16739

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.638;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	156.0	-28.6	24.9	-16.2	14.1	0.0	156.0	70.9	7054.6	-16.2	14.1	739.4
		Cargas muertas	173.3	-4.5	4.0	-1.9	2.1	0.0	173.3	106.0	7811.8	-1.9	2.1	86.7
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-1.3	0.0	-0.0	-0.3
		Sobrecarga de uso	121.6	-16.2	13.4	-11.2	9.0	0.0	121.6	61.3	5492.0	-11.2	9.0	511.3
		Viento +X exc.+	-0.7	3.2	0.4	1.9	0.2	-0.0	-0.7	2.8	-29.7	1.9	0.2	-87.0
		Viento +X exc.-	-0.7	3.2	0.1	1.9	0.0	0.0	-0.7	2.7	-32.8	1.9	0.0	-85.6
		Viento -X exc.+	0.7	-3.2	-0.4	-1.9	-0.2	0.0	0.7	-2.8	29.7	-1.9	-0.2	87.0
		Viento -X exc.-	0.7	-3.2	-0.1	-1.9	-0.0	0.0	0.7	-2.7	32.8	-1.9	-0.0	85.6
		Viento +Y exc.+	2.7	-0.1	14.3	-0.1	7.5	0.0	2.7	1.6	136.4	-0.1	7.5	10.6
		Viento +Y exc.-	3.7	0.9	20.1	0.4	10.7	-0.0	3.7	3.3	186.5	0.4	10.7	-12.9
		Viento -Y exc.+	-2.7	0.1	-14.3	0.1	-7.5	-0.0	-2.7	-1.6	-136.4	0.1	-7.5	-10.6
		Viento -Y exc.-	-3.7	-0.9	-20.1	-0.4	-10.7	0.0	-3.7	-3.3	-186.5	-0.4	-10.7	12.9
P2 [8.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	230.1	3.3	29.6	2.1	16.3	0.0	230.1	2013.5	10397	2.1	16.3	49.3
		Cargas muertas	177.2	0.2	-4.2	0.0	-2.6	0.0	177.2	1549.0	7983.4	0.0	-2.6	-24.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0	-0.2
		Sobrecarga de uso	190.3	2.6	16.7	2.0	10.9	0.0	190.3	1665.7	8594.1	2.0	10.9	3.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	0.3	4.7	0.6	2.5	0.3	-0.0	0.3	7.4	14.4	2.5	0.3	-111.9
		Viento +X exc.-	0.2	4.7	0.2	2.5	0.1	0.0	0.2	6.5	10.0	2.5	0.1	-111.3
		Viento -X exc.+	-0.3	-4.7	-0.6	-2.5	-0.3	0.0	-0.3	-7.4	-14.4	-2.5	-0.3	111.9
		Viento -X exc.-	-0.2	-4.7	-0.2	-2.5	-0.1	0.0	-0.2	-6.5	-10.0	-2.5	-0.1	111.3
		Viento +Y exc.+	5.5	-0.2	16.4	-0.2	8.6	0.0	5.5	-47.8	264.0	-0.2	8.6	84.8
		Viento +Y exc.-	7.2	1.3	22.2	0.6	11.9	-0.0	7.2	64.5	348.2	0.6	11.9	77.8
		Viento -Y exc.+	-5.5	0.2	-16.4	0.2	-8.6	-0.0	-5.5	-47.8	-264.0	0.2	-8.6	-84.8
		Viento -Y exc.-	-7.2	-1.3	-22.2	-0.6	-11.9	0.0	-7.2	-64.5	-348.2	-0.6	-11.9	-77.8
P3 [16.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	216.7	-0.6	29.2	-0.5	15.9	0.0	216.7	3626.9	9795.6	-0.5	15.9	286.6
		Cargas muertas	179.3	-0.1	-4.0	-0.2	-2.4	0.0	179.3	3001.5	8077.5	-0.2	-2.4	-33.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1
		Sobrecarga de uso	176.1	-0.4	16.5	-0.5	10.6	0.0	176.1	2946.5	7950.7	-0.5	10.6	197.8
		Viento +X exc.+	0.2	4.9	0.4	2.7	0.2	-0.0	0.2	8.1	9.1	2.7	0.2	-117.3
		Viento +X exc.-	0.1	4.8	0.1	2.6	0.1	0.0	0.1	7.1	6.5	2.6	0.1	-117.9
		Viento -X exc.+	-0.2	-4.9	-0.4	-2.7	-0.2	0.0	-0.2	-8.1	-9.1	-2.7	-0.2	117.3
		Viento -X exc.-	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	-7.1	-6.5	-2.6	-0.1	117.9
		Viento +Y exc.+	3.2	-0.1	16.1	-0.1	8.5	0.0	3.2	53.1	159.3	-0.1	8.5	146.8
		Viento +Y exc.-	4.1	1.5	21.1	0.7	11.2	-0.0	4.1	70.2	206.2	0.7	11.2	155.2
		Viento -Y exc.+	-3.2	0.1	-16.1	0.1	-8.5	-0.0	-3.2	-53.1	-159.3	0.1	-8.5	-146.8
		Viento -Y exc.-	-4.1	-1.5	-21.1	-0.7	-11.2	0.0	-4.1	-70.2	-206.2	-0.7	-11.2	-155.2
		Peso propio	218.7	1.4	28.5	0.8	15.4	0.0	218.7	5411.5	9884.1	0.8	15.4	343.1
		Cargas muertas	179.6	0.5	-4.4	0.3	-2.6	0.0	179.6	4442.4	8087.5	0.3	-2.6	-77.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.2
P4 [24.738;45.065;0.0 grados] (40x40)	28.60/31.85	Sobrecarga de uso	181.3	0.6	16.2	0.4	10.5	0.0	181.3	4486.2	8187.5	0.4	10.5	241.1
		Viento +X exc.+	-0.2	4.8	0.3	2.6	0.1	-0.0	-0.2	-1.3	-10.7	2.6	0.1	-112.8
		Viento +X exc.-	-0.3	4.7	0.0	2.5	-0.0	0.0	-0.3	-3.7	-15.2	2.5	-0.0	-114.5
		Viento -X exc.+	0.2	-4.8	-0.3	-2.6	-0.1	0.0	0.2	1.3	10.7	-2.6	-0.1	112.8
		Viento -X exc.-	0.3	-4.7	-0.0	-2.5	0.0	0.0	0.3	3.7	15.2	-2.5	0.0	114.5
		Viento +Y exc.+	7.0	-1.0	17.5	-0.7	9.5	0.0	7.0	172.4	333.5	-0.7	9.5	264.1
		Viento +Y exc.-	8.6	0.3	22.0	0.0	11.9	-0.0	8.6	213.4	410.2	0.0	11.9	295.3
		Viento -Y exc.+	-7.0	1.0	-17.5	0.7	-9.5	-0.0	-7.0	-172.4	-333.5	0.7	-9.5	-264.1
		Viento -Y exc.-	-8.6	-0.3	-22.0	-0.0	-11.9	0.0	-8.6	-213.4	-410.2	-0.0	-11.9	-295.3
		Peso propio	209.2	-0.6	19.9	-0.5	10.5	0.0	209.2	6846.8	9445.4	-0.5	10.5	363.2
		Cargas muertas	176.3	-0.4	-8.1	-0.3	-4.8	0.0	176.3	5771.4	7936.9	-0.3	-4.8	-141.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.2
		Sobrecarga de uso	175.9	-0.2	12.0	-0.2	7.9	0.0	175.9	5758.0	7938.2	-0.2	7.9	270.7
		Viento +X exc.+	0.4	4.8	0.4	2.6	0.2	-0.0	0.4	18.7	19.6	2.6	0.2	-109.8
		Viento +X exc.-	0.2	4.7	0.1	2.5	0.1	0.0	0.2	11.2	9.0	2.5	0.1	-113.1
P5 [32.738;45.065;0.0 grados] (40x40)	28.60/31.85	Viento -X exc.+	-0.4	-4.8	-0.4	-2.6	-0.2	0.0	-0.4	-18.7	-19.6	-2.6	-0.2	109.8
		Viento -X exc.-	-0.2	-4.7	-0.1	-2.5	-0.1	0.0	-0.2	-11.2	-9.0	-2.5	-0.1	113.1
		Viento +Y exc.+	18.2	-0.8	23.4	-0.4	12.8	0.0	18.2	596.5	845.6	-0.4	12.8	437.9
		Viento +Y exc.-	22.4	0.6	28.4	0.3	15.6	-0.0	22.4	734.7	1038.9	0.3	15.6	495.5
		Viento -Y exc.+	-18.2	0.8	-23.4	0.4	-12.8	-0.0	-18.2	-596.5	-845.6	0.4	-12.8	-437.9
		Viento -Y exc.-	-22.4	-0.6	-28.4	-0.3	-15.6	0.0	-22.4	-734.7	-1039	-0.3	-15.6	-495.5
		Peso propio	203.3	2.2	19.7	1.6	10.4	0.0	203.3	8284.2	9181.3	1.6	10.4	352.6
		Cargas muertas	172.3	1.1	-8.1	0.7	-4.8	0.0	172.3	7018.6	7754.7	0.7	-4.8	-227.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.3
		Sobrecarga de uso	171.0	1.1	12.0	0.9	8.0	0.0	171.0	6967.6	7718.3	0.9	8.0	285.2
		Viento +X exc.+	-0.1	4.9	0.3	2.7	0.2	-0.0	-0.1	2.7	-2.2	2.7	0.2	-114.2
		Viento +X exc.-	-0.2	4.8	0.1	2.6	0.0	0.0	-0.2	-3.2	-8.8	2.6	0.0	-116.6
		Viento -X exc.+	0.1	-4.9	-0.3	-2.7	-0.2	0.0	0.1	-2.7	2.2	-2.7	-0.2	114.2
		Viento -X exc.-	0.2	-4.8	-0.1	-2.6	-0.0	0.0	0.2	3.2	8.8	-2.6	-0.0	116.6
P6 [40.738;45.065;0.0 grados] (40x40)	28.60/31.85	Viento +Y exc.+	18.2	-0.0	23.3	-0.1	12.8	0.0	18.2	740.6	842.6	-0.1	12.8	526.9
		Viento +Y exc.-	20.4	1.6	27.0	0.8	14.8	-0.0	20.4	831.1	944.6	0.8	14.8	567.8
		Viento -Y exc.+	-18.2	0.0	-23.3	0.1	-12.8	-0.0	-18.2	-740.6	-842.6	0.1	-12.8	-526.9
		Viento -Y exc.-	-20.4	-1.6	-27.0	-0.8	-14.8	0.0	-20.4	-831.1	-944.6	-0.8	-14.8	-567.8
		Peso propio	235.0	-17.6	31.1	-9.9	16.8	0.0	235.0	11435	10621	-9.9	16.8	1262.9
		Cargas muertas	183.8	-7.7	-3.0	-4.4	-1.8	0.0	183.8	8951.9	8281.3	-4.4	-1.8	109.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.3
		Sobrecarga de uso	187.2	-7.0	17.4	-4.6	11.3	0.0	187.2	9116.2	8453.0	-4.6	11.3	758.3
		Viento +X exc.+	0.7	3.8	0.2	2.1	0.2	-0.0	0.7	35.6	29.7	2.1	0.2	-86.6
		Viento +X exc.-	0.6	3.7	0.1	2.1	0.1	0.0	0.6	34.6	28.6	2.1	0.1	-87.4
		Viento -X exc.+	-0.7	-3.8	-0.2	-2.1	-0.2	0.0	-0.7	-35.6	-29.7	-2.1	-0.2	86.6
		Viento -X exc.-	-0.6	-3.7	-0.1	-2.1	-0.1	0.0	-0.6	-34.6	-28.6	-2.1	-0.1	87.4
		Peso propio	235.0	-17.6	31.1	-9.9	16.8	0.0	235.0	11435	10621	-9.9	16.8	1262.9
		Cargas muertas	183.8	-7.7	-3.0	-4.4	-1.8	0.0	183.8	8951.9	8281.3	-4.4	-1.8	109.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.3
		Sobrecarga de uso	187.2	-7.0	17.4	-4.6	11.3	0.0	187.2	9116.2	8453.0	-4.6	11.3	758.3
P7 [48.738;45.065;0.0 grados] (40x40)	28.60/31.85	Viento +X exc.+	0.7	3.8	0.2	2.1	0.2	-0.0	0.7	35.6	29.7	2.1	0.2	-86.6
		Viento +X exc.-	0.6	3.7	0.1	2.1	0.1	0.0	0.6	34.6	28.6	2.1	0.1	-87.4
		Viento -X exc.+	-0.7	-3.8	-0.2	-2.1	-0.2	0.0	-0.7	-35.6	-29.7	-2.1	-0.2	86.6
		Viento -X exc.-	-0.6	-3.7	-0.1	-2.1	-0.1	0.0	-0.6	-34.6	-28.6	-2.1	-0.1	87.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	7.2	0.5	17.5	0.3	9.6	0.0	7.2	352.1	342.5	0.3	9.6	454.3
		Viento +Y exc.-	7.6	1.8	19.5	1.1	10.7	-0.0	7.6	372.8	362.5	1.1	10.7	472.9
		Viento -Y exc.+	-7.2	-0.5	-17.5	-0.3	-9.6	-0.0	-7.2	-352.1	-342.5	-0.3	-9.6	-454.3
		Viento -Y exc.-	-7.6	-1.8	-19.5	-1.1	-10.7	0.0	-7.6	-372.8	-362.5	-1.1	-10.7	-472.9
P8 [56.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	218.3	2.4	27.4	1.7	15.0	0.0	218.3	12389	9865.7	1.7	15.0	773.1
		Cargas muertas	178.5	0.3	-4.8	0.4	-2.8	0.0	178.5	10131	8041.4	0.4	-2.8	-176.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.3
		Sobrecarga de uso	180.2	0.9	15.6	0.7	10.1	0.0	180.2	10228	8138.4	0.7	10.1	542.2
		Viento +X exc.+	0.1	4.8	0.1	2.6	0.1	-0.0	0.1	10.1	4.3	2.6	0.1	-112.2
		Viento +X exc.-	0.1	4.8	0.1	2.6	0.1	0.0	0.1	9.8	4.1	2.6	0.1	-111.7
		Viento -X exc.+	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	-10.1	-4.3	-2.6	-0.1	112.2
		Viento -X exc.-	-0.1	-4.8	-0.1	-2.6	-0.1	0.0	-0.1	-9.8	-4.1	-2.6	-0.1	111.7
		Viento +Y exc.+	5.3	-0.5	16.2	-0.3	8.9	0.0	5.3	300.9	255.5	-0.3	8.9	520.3
		Viento +Y exc.-	5.6	1.0	17.3	0.5	9.5	-0.0	5.6	319.5	270.3	0.5	9.5	517.2
		Viento -Y exc.+	-5.3	0.5	-16.2	0.3	-8.9	-0.0	-5.3	-300.9	-255.5	0.3	-8.9	-520.3
		Viento -Y exc.-	-5.6	-1.0	-17.3	-0.5	-9.5	0.0	-5.6	-319.5	-270.3	-0.5	-9.5	-517.2
P9 [64.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	218.4	-0.4	27.5	-0.2	15.0	0.0	218.4	14135	9867.5	-0.2	15.0	979.9
		Cargas muertas	178.9	-0.0	-4.4	0.0	-2.6	0.0	178.9	11583	8058.7	0.0	-2.6	-167.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.4
		Sobrecarga de uso	179.9	0.1	15.7	0.0	10.0	0.0	179.9	11646	8122.5	0.0	10.0	648.3
		Viento +X exc.+	-0.2	4.8	-0.0	2.6	-0.0	-0.0	-0.2	-8.2	-9.0	2.6	-0.0	-119.5
		Viento +X exc.-	-0.2	4.7	-0.1	2.6	-0.0	0.0	-0.2	-8.6	-9.3	2.6	-0.0	-117.8
		Viento -X exc.+	0.2	-4.8	0.0	-2.6	0.0	0.0	0.2	8.2	9.0	-2.6	0.0	119.5
		Viento -X exc.-	0.2	-4.7	0.1	-2.6	0.0	0.0	0.2	8.6	9.3	-2.6	0.0	117.8
		Viento +Y exc.+	4.1	-0.3	15.7	-0.2	8.6	0.0	4.1	262.7	198.7	-0.2	8.6	570.0
		Viento +Y exc.-	4.1	1.1	16.0	0.6	8.8	-0.0	4.1	266.5	200.7	0.6	8.8	542.3
		Viento -Y exc.+	-4.1	0.3	-15.7	0.2	-8.6	-0.0	-4.1	-262.7	-198.7	0.2	-8.6	-570.0
		Viento -Y exc.-	-4.1	-1.1	-16.0	-0.6	-8.8	0.0	-4.1	-266.5	-200.7	-0.6	-8.8	-542.3
P10 [72.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	217.2	0.7	27.5	0.5	14.9	0.0	217.2	15799	9815.6	0.5	14.9	1065.4
		Cargas muertas	179.4	0.3	-4.3	0.2	-2.4	0.0	179.4	13051	8081.5	0.2	-2.4	-186.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.5
		Sobrecarga de uso	181.9	0.4	15.9	0.2	10.3	0.0	181.9	13228	8211.2	0.2	10.3	737.3
		Viento +X exc.+	-0.1	4.7	-0.1	2.5	-0.1	-0.0	-0.1	1.0	-2.4	2.5	-0.1	-117.1
		Viento +X exc.-	-0.0	4.6	-0.1	2.5	-0.0	0.0	-0.0	1.1	-2.2	2.5	-0.0	-113.6
		Viento -X exc.+	0.1	-4.7	0.1	-2.5	0.1	0.0	0.1	-1.0	2.4	-2.5	0.1	117.1
		Viento -X exc.-	0.0	-4.6	0.1	-2.5	0.0	0.0	0.0	-1.1	2.2	-2.5	0.0	113.6
		Viento +Y exc.+	5.6	-0.3	16.0	-0.2	8.9	0.0	5.6	405.0	267.0	-0.2	8.9	657.0
		Viento +Y exc.-	5.4	1.2	15.6	0.6	8.6	-0.0	5.4	394.2	259.1	0.6	8.6	599.4
		Viento -Y exc.+	-5.6	0.3	-16.0	0.2	-8.9	-0.0	-5.6	-405.0	-267.0	0.2	-8.9	-657.0
		Viento -Y exc.-	-5.4	-1.2	-15.6	-0.6	-8.6	0.0	-5.4	-394.2	-259.1	-0.6	-8.6	-599.4
P11 [80.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	218.1	-0.0	27.8	-0.0	15.1	0.0	218.1	17611	9857.7	-0.0	15.1	1221.5
		Cargas muertas	179.6	0.1	-4.0	0.1	-2.3	0.0	179.6	14498	8088.0	0.1	-2.3	-189.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.5
		Sobrecarga de uso	180.7	0.2	16.1	0.1	10.3	0.0	180.7	14589	8158.8	0.1	10.3	827.7
		Viento +X exc.+	0.1	4.8	-0.1	2.7	-0.1	-0.0	0.1	11.8	3.7	2.7	-0.1	-125.7
		Viento +X exc.-	0.1	4.8	-0.1	2.6	-0.0	0.0	0.1	12.5	4.3	2.6	-0.0	-120.1
		Viento -X exc.+	-0.1	-4.8	0.1	-2.7	0.1	0.0	-0.1	-11.8	-3.7	-2.7	0.1	125.7
		Viento -X exc.-	-0.1	-4.8	0.1	-2.6	0.0	0.0	-0.1	-12.5	-4.3	-2.6	0.0	120.1
		Viento +Y exc.+	3.8	-0.4	15.6	-0.3	8.8	0.0	3.8	307.6	187.6	-0.3	8.8	718.0
		Viento +Y exc.-	3.5	1.1	14.5	0.5	8.0	-0.0	3.5	286.8	174.0	0.5	8.0	623.3
		Viento -Y exc.+	-3.8	0.4	-15.6	0.3	-8.8	-0.0	-3.8	-307.6	-187.6	0.3	-8.8	-718.0
		Viento -Y exc.-	-3.5	-1.1	-14.5	-0.5	-8.0	0.0	-3.5	-286.8	-174.0	-0.5	-8.0	-623.3
P12 [88.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	219.7	1.1	27.8	0.5	15.2	0.0	219.7	19500	9930.1	0.5	15.2	1325.0
		Cargas muertas	179.3	0.8	-4.2	0.4	-2.3	0.0	179.3	15911	8075.8	0.4	-2.3	-223.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.6
		Sobrecarga de uso	181.7	0.6	16.1	0.3	10.4	0.0	181.7	16123	8203.5	0.3	10.4	913.2
		Viento +X exc.+	-0.2	4.8	-0.3	2.6	-0.1	-0.0	-0.2	-12.1	-8.8	2.6	-0.1	-128.2
		Viento +X exc.-	-0.2	4.7	-0.2	2.5	-0.1	0.0	-0.2	-9.4	-7.3	2.5	-0.1	-119.7
		Viento -X exc.+	0.2	-4.8	0.3	-2.6	0.1	0.0	0.2	12.1	8.8	-2.6	0.1	128.2
		Viento -X exc.-	0.2	-4.7	0.2	-2.5	0.1	0.0	0.2	9.4	7.3	-2.5	0.1	119.7
		Viento +Y exc.+	5.8	-0.3	16.1	-0.2	9.1	0.0	5.8	510.9	275.7	-0.2	9.1	816.0
		Viento +Y exc.-	5.1	1.2	14.2	0.6	7.9	-0.0	5.1	452.0	243.1	0.6	7.9	674.4
		Viento -Y exc.+	-5.8	0.3	-16.1	0.2	-9.1	-0.0	-5.8	-510.9	-275.7	0.2	-9.1	-816.0
		Viento -Y exc.-	-5.1	-1.2	-14.2	-0.6	-7.9	0.0	-5.1	-452.0	-243.1	-0.6	-7.9	-674.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P13 [96.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	218.6	0.3	29.1	0.1	15.6	0.0	218.6	21145	9879.2	0.1	15.6	1506.1
		Cargas muertas	179.0	0.3	-3.6	0.1	-2.1	0.0	179.0	17313	8061.4	0.1	-2.1	-207.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.6
		Sobrecarga de uso	180.3	0.2	16.6	0.0	10.5	0.0	180.3	17438	8139.8	0.0	10.5	1019.7
		Viento +X exc.+	0.1	4.9	-0.3	2.7	-0.1	-0.0	0.1	12.4	3.2	2.7	-0.1	-132.1
		Viento +X exc.-	0.1	4.8	-0.1	2.6	-0.0	0.0	0.1	15.5	4.9	2.6	-0.0	-120.8
		Viento -X exc.+	-0.1	-4.9	0.3	-2.7	0.1	0.0	-0.1	-12.4	-3.2	-2.7	0.1	132.1
		Viento -X exc.-	-0.1	-4.8	0.1	-2.6	0.0	0.0	-0.1	-15.5	-4.9	-2.6	0.0	120.8
		Viento +Y exc.+	3.5	-0.2	16.1	-0.2	9.0	0.0	3.5	343.0	175.9	-0.2	9.0	877.0
		Viento +Y exc.-	3.0	1.2	13.4	0.6	7.4	-0.0	3.0	288.5	147.2	0.6	7.4	686.1
		Viento -Y exc.+	-3.5	0.2	-16.1	0.2	-9.0	-0.0	-3.5	-343.0	-175.9	0.2	-9.0	-877.0
		Viento -Y exc.-	-3.0	-1.2	-13.4	-0.6	-7.4	0.0	-3.0	-288.5	-147.2	-0.6	-7.4	-686.1
P14 [104.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	222.4	-0.2	31.6	-0.1	17.0	0.0	222.4	23293	10054	-0.1	17.0	1790.9
		Cargas muertas	182.2	-0.4	-2.8	-0.3	-1.6	0.0	182.2	19083	8207.9	-0.3	-1.6	-156.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.6
		Sobrecarga de uso	183.9	-0.0	17.3	-0.0	11.0	0.0	183.9	19260	8303.9	-0.0	11.0	1156.2
		Viento +X exc.+	-0.2	4.8	-0.3	2.6	-0.2	-0.0	-0.2	-19.7	-10.9	2.6	-0.2	-136.6
		Viento +X exc.-	-0.2	4.7	-0.1	2.6	-0.1	0.0	-0.2	-14.1	-8.2	2.6	-0.1	-121.5
		Viento -X exc.+	0.2	-4.8	0.3	-2.6	0.2	0.0	0.2	19.7	10.9	-2.6	0.2	136.6
		Viento -X exc.-	0.2	-4.7	0.1	-2.6	0.1	0.0	0.2	14.1	8.2	-2.6	0.1	121.5
		Viento +Y exc.+	6.8	-0.5	16.6	-0.3	9.5	0.0	6.8	712.1	323.2	-0.3	9.5	1005.9
		Viento +Y exc.-	5.7	1.1	13.1	0.5	7.4	-0.0	5.7	599.0	270.4	0.5	7.4	750.9
		Viento -Y exc.+	-6.8	0.5	-16.6	0.3	-9.5	-0.0	-6.8	-712.1	-323.2	0.3	-9.5	-1006
		Viento -Y exc.-	-5.7	-1.1	-13.1	-0.5	-7.4	0.0	-5.7	-599.0	-270.4	-0.5	-7.4	-750.9
P15 [112.738;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	231.6	-1.4	32.3	-1.1	17.2	0.0	231.6	26107	10469	-1.1	17.2	1984.8
		Cargas muertas	179.5	0.8	-2.7	0.5	-1.8	0.0	179.5	20236	8086.1	0.5	-1.8	-219.0
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	2.1	0.9	-0.0	0.0	0.6
		Sobrecarga de uso	194.5	-1.3	17.4	-1.3	11.0	0.0	194.5	21923	8781.1	-1.3	11.0	1296.6
		Viento +X exc.+	-0.0	4.8	-0.5	2.6	-0.2	-0.0	-0.0	0.8	-2.1	2.6	-0.2	-141.9
		Viento +X exc.-	0.1	4.7	-0.2	2.5	-0.1	0.0	0.1	13.0	3.1	2.5	-0.1	-122.4
		Viento -X exc.+	0.0	-4.8	0.5	-2.6	0.2	0.0	0.0	-0.8	2.1	-2.6	0.2	141.9
		Viento -X exc.-	-0.1	-4.7	0.2	-2.5	0.1	0.0	-0.1	-13.0	-3.1	-2.5	0.1	122.4
		Viento +Y exc.+	7.7	-0.2	16.7	-0.1	9.6	0.0	7.7	864.5	362.4	-0.1	9.6	1087.3
		Viento +Y exc.-	5.9	1.3	12.3	0.6	7.0	-0.0	5.9	665.3	277.8	0.6	7.0	761.0
		Viento -Y exc.+	-7.7	0.2	-16.7	0.1	-9.6	-0.0	-7.7	-864.5	-362.4	0.1	-9.6	-1087
		Viento -Y exc.-	-5.9	-1.3	-12.3	-0.6	-7.0	0.0	-5.9	-665.3	-277.8	-0.6	-7.0	-761.0
P16 [120.838;45.065;0.0 grados] (40x40)	28.60/31.85	Peso propio	155.8	29.7	25.2	16.8	13.7	0.0	155.8	18858	7046.7	16.8	13.7	900.2
		Cargas muertas	172.2	6.0	4.3	2.6	2.0	0.0	172.2	20820	7766.3	2.6	2.0	126.8
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-3.3	-1.2	-0.0	-0.0	-1.4
		Sobrecarga de uso	122.2	17.1	13.5	11.5	8.6	0.0	122.2	14788	5521.9	11.5	8.6	524.4
		Viento +X exc.+	0.6	3.0	-0.5	1.9	-0.2	-0.0	0.6	70.6	24.7	1.9	-0.2	-111.0
		Viento +X exc.-	0.6	3.0	-0.2	1.8	-0.1	0.0	0.6	78.9	28.1	1.8	-0.1	-89.7
		Viento -X exc.+	-0.6	-3.0	0.5	-1.9	0.2	0.0	-0.6	-70.6	-24.7	-1.9	0.2	111.0
		Viento -X exc.-	-0.6	-3.0	0.2	-1.8	0.1	0.0	-0.6	-78.9	-28.1	-1.8	0.1	89.7
		Viento +Y exc.+	4.1	0.1	14.5	0.0	8.5	0.0	4.1	498.5	200.3	0.0	8.5	1028.6
		Viento +Y exc.-	3.0	1.1	9.9	0.6	5.8	-0.0	3.0	359.2	143.5	0.6	5.8	671.3
		Viento -Y exc.+	-4.1	0.1	-14.5	-0.0	-8.5	-0.0	-4.1	-498.5	-200.3	-0.0	-8.5	-1029
		Viento -Y exc.-	-3.0	-1.1	-9.9	-0.6	-5.8	0.0	-3.0	-359.2	-143.5	-0.6	-5.8	-671.3
P17 [0.638;38.465;0.0 grados] (Diámetro 40)	28.60/31.85	Peso propio	230.7	-22.9	0.0	-12.0	-0.1	0.0	230.7	124.2	8874.3	-12.0	-0.1	461.9
		Cargas muertas	160.2	5.8	-0.2	3.3	-0.1	0.0	160.2	108.0	6162.4	3.3	-0.1	-128.5
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	1.4	-0.0	-0.0	0.2
		Sobrecarga de uso	189.1	-12.9	-0.0	-8.2	-0.3	0.0	189.1	107.7	7272.0	-8.2	-0.3	315.1
		Viento +X exc.+	-1.3	3.0	0.5	1.6	0.2	-0.0	-1.3	2.1	-50.5	1.6	0.2	-62.0
		Viento +X exc.-	-1.3	2.9	0.1	1.6	0.0	0.0	-1.3	2.1	-51.4	1.6	0.0	-61.8
		Viento -X exc.+	1.3	-3.0	-0.5	-1.6	-0.2	0.0	1.3	-2.1	50.5	-1.6	-0.2	62.0
		Viento -X exc.-	1.3	-2.9	-0.1	-1.6	-0.0	0.0	1.3	-2.1	51.4	-1.6	-0.0	61.8
		Viento +Y exc.+	-0.3	-0.2	14.9	-0.1	7.2	0.0	-0.3	-0.4	2.9	-0.1	7.2	8.4
		Viento +Y exc.-	-0.2	0.1	21.8	0.0	10.6	-0.0	-0.2	-0.0	14.7	0.0	10.6	5.4
		Viento -Y exc.+	0.3	0.2	-14.9	0.1	-7.2	-0.0	0.3	0.4	-2.9	0.1	-7.2	-8.4
		Viento -Y exc.-	0.2	-0.1	-21.8	-0.0	-10.6	0.0	0.2	0.0	-14.7	-0.0	-10.6	-5.4
P18 [8.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	353.2	14.6	-15.6	9.6	-11.3	0.0	353.2	3100.4	13568	9.6	-11.3	-469.2
		Cargas muertas	120.9	5.2	-8.6	3.0	-5.7	0.0	120.9	1061.9	4643.2	3.0	-5.7	-167.0
		H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.2	-0.8	-0.0	0.0	0.3
		Sobrecarga de uso	279.2	12.5	-12.9	10.6	-11.5	0.0	279.2	2451.9	10725	10.6	-11.5	-509.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-1.2	5.2	0.4	3.4	0.2	-0.0	-1.2	-5.2	-45.4	3.4	0.2	-128.4
		Viento +X exc.-	-1.3	5.2	-0.1	3.4	-0.2	0.0	-1.3	-6.0	-49.4	3.4	-0.2	-131.3
		Viento -X exc.+	1.2	-5.2	-0.4	-3.4	-0.2	0.0	1.2	5.2	45.4	-3.4	-0.2	128.4
		Viento -X exc.-	1.3	-5.2	0.1	-3.4	0.2	0.0	1.3	6.0	49.4	-3.4	0.2	131.3
		Viento +Y exc.+	6.2	-0.8	25.5	-0.6	16.7	0.0	6.2	53.2	263.6	-0.6	16.7	169.8
		Viento +Y exc.-	7.6	-0.2	35.8	-0.2	23.7	-0.0	7.6	66.2	328.2	-0.2	23.7	214.7
		Viento -Y exc.+	-6.2	0.8	-25.5	0.6	-16.7	-0.0	-6.2	-53.2	-263.6	0.6	-16.7	-169.8
		Viento -Y exc.-	-7.6	0.2	-35.8	0.2	-23.7	0.0	-7.6	-66.2	-328.2	0.2	-23.7	-214.7
P19 [16.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	366.0	-1.1	0.4	-0.8	0.0	0.0	366.0	6124.7	14078	-0.8	0.0	30.3
		Cargas muertas	143.4	-0.3	-1.4	-0.2	-0.8	0.0	143.4	2399.4	5513.1	-0.2	-0.8	-3.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.2	-0.4	0.0	0.0	0.1
		Sobrecarga de uso	308.2	-0.6	-1.1	-0.6	-1.5	0.0	308.2	5157.6	11853	-0.6	-1.5	-2.0
		Viento +X exc.+	0.3	5.6	0.6	3.1	0.3	-0.0	0.3	10.9	12.8	3.1	0.3	-113.1
		Viento +X exc.-	0.2	5.5	0.2	3.0	0.1	0.0	0.2	9.3	8.9	3.0	0.1	-116.0
		Viento -X exc.+	-0.3	-5.6	-0.6	-3.1	-0.3	0.0	-0.3	-10.9	-12.8	-3.1	-0.3	113.1
		Viento -X exc.-	-0.2	-5.5	-0.2	-3.0	-0.1	0.0	-0.2	-9.3	-8.9	-3.0	-0.1	116.0
		Viento +Y exc.+	4.6	-0.1	21.8	-0.1	10.9	0.0	4.6	77.2	199.3	-0.1	10.9	184.7
		Viento +Y exc.-	6.1	0.6	29.1	0.3	14.6	-0.0	6.1	103.4	265.4	0.3	14.6	233.7
		Viento -Y exc.+	-4.6	0.1	-21.8	0.1	-10.9	-0.0	-4.6	-77.2	-199.3	0.1	-10.9	-184.7
		Viento -Y exc.-	-6.1	-0.6	-29.1	-0.3	-14.6	0.0	-6.1	-103.4	-265.4	-0.3	-14.6	-233.7
P20 [24.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	317.8	3.6	-13.3	3.8	-9.4	0.0	317.8	7865.7	12211	3.8	-9.4	-377.3
		Cargas muertas	118.5	0.8	-8.3	1.1	-5.6	0.0	118.5	2933.2	4551.2	1.1	-5.6	-180.4
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.2	-0.3	0.0	0.0	0.2
		Sobrecarga de uso	258.8	-0.3	-13.3	-0.4	-12.0	0.0	258.8	6400.9	9940.0	-0.4	-12.0	-282.5
		Viento +X exc.+	-0.7	5.7	1.0	3.8	0.8	-0.0	-0.7	-10.4	-24.1	3.8	0.8	-128.0
		Viento +X exc.-	-0.8	5.7	0.5	3.8	0.4	0.0	-0.8	-13.3	-29.1	3.8	0.4	-136.7
		Viento -X exc.+	0.7	-5.7	-1.0	-3.8	-0.8	0.0	0.7	10.4	24.1	-3.8	-0.8	128.0
		Viento -X exc.-	0.8	-5.7	-0.5	-3.8	-0.4	0.0	0.8	13.3	29.1	-3.8	-0.4	136.7
		Viento +Y exc.+	12.9	-1.7	23.8	-1.3	15.3	0.0	12.9	318.5	521.8	-1.3	15.3	429.2
		Viento +Y exc.-	15.2	-1.4	30.8	-1.2	20.0	-0.0	15.2	375.3	616.5	-1.2	20.0	538.8
		Viento -Y exc.+	-12.9	1.7	-23.8	1.3	-15.3	-0.0	-12.9	-318.5	-521.8	1.3	-15.3	-429.2
		Viento -Y exc.-	-15.2	1.4	-30.8	1.2	-20.0	0.0	-15.2	-375.3	-616.5	1.2	-20.0	-538.8
P21 [32.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	49.5	4.5	-6.3	-12.8	-31.2	0.4	49.5	1624.7	1897.4	-12.8	-31.2	-529.1
		Cargas muertas	-15.4	2.8	-3.6	-7.0	-18.9	0.2	-15.4	-502.7	-597.5	-7.0	-18.9	-349.0
		H 1	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.2
		Sobrecarga de uso	58.9	-1.0	-1.9	-9.3	-13.5	0.1	58.9	1928.9	2265.6	-9.3	-13.5	-84.4
		Viento +X exc.+	-4.3	3.2	-0.6	3.3	-0.3	0.1	-4.3	-138.1	-166.6	3.3	-0.3	-135.1
		Viento +X exc.-	-2.4	3.2	-0.6	3.3	-0.3	0.1	-2.4	-75.6	-93.3	3.3	-0.3	-136.1
		Viento -X exc.+	4.3	-3.2	0.6	-3.3	0.3	-0.1	4.3	138.1	166.6	-3.3	0.3	135.1
		Viento -X exc.-	2.4	-3.2	0.6	-3.3	0.3	-0.1	2.4	75.6	93.3	-3.3	0.3	136.1
		Viento +Y exc.+	-36.5	-5.3	3.9	2.1	14.5	-0.3	-36.5	-1200	-1400	2.1	14.5	396.5
		Viento +Y exc.-	-70.9	-5.7	4.5	2.5	15.4	-0.4	-70.9	-2328	-2724	2.5	15.4	408.2
		Viento -Y exc.+	36.5	5.3	-3.9	-2.1	-14.5	0.3	36.5	1200.0	1399.8	-2.1	-14.5	-396.5
		Viento -Y exc.-	70.9	5.7	-4.5	-2.5	-15.4	0.4	70.9	2328.3	2724.4	-2.5	-15.4	-408.2
P22 [40.675;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	66.7	-5.5	-5.8	8.7	-25.3	-0.4	66.7	2708.7	2560.9	8.7	-25.3	-1365
		Cargas muertas	-15.0	-3.2	-3.4	5.3	-16.9	-0.2	-15.0	-614.5	-581.5	5.3	-16.9	-895.2
		H 1	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.6	0.6	-0.0	0.0	0.4
		Sobrecarga de uso	68.5	-1.0	-1.9	4.5	-9.5	-0.1	68.5	2785.6	2633.3	4.5	-9.5	-560.5
		Viento +X exc.+	2.3	3.2	0.8	3.1	1.1	0.1	2.3	97.3	89.7	3.1	1.1	-73.4
		Viento +X exc.-	2.7	3.1	0.7	3.0	0.9	0.1	2.7	114.8	106.3	3.0	0.9	-77.2
		Viento -X exc.+	-2.3	-3.2	-0.8	-3.1	-1.1	-0.1	-2.3	-97.3	-89.7	-3.1	-1.1	73.4
		Viento -X exc.-	-2.7	-3.1	-0.7	-3.0	-0.9	-0.1	-2.7	-114.8	-106.3	-3.0	-0.9	77.2
		Viento +Y exc.+	-118.5	5.2	3.4	1.9	6.8	0.3	-118.5	-4815	-4555	1.9	6.8	202.9
		Viento +Y exc.-	-124.8	6.9	4.2	2.9	9.4	0.3	-124.8	-5069	-4796	2.9	9.4	273.2
		Viento -Y exc.+	118.5	-5.2	-3.4	-1.9	-6.8	-0.3	118.5	4814.9	4554.8	-1.9	-6.8	-202.9
		Viento -Y exc.-	124.8	-6.9	-4.2	-2.9	-9.4	-0.3	124.8	5068.7	4795.6	-2.9	-9.4	-273.2
P23 [48.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	345.5	-22.5	-14.2	-17.0	-10.1	0.0	345.5	16817	13276	-17.0	-10.1	161.6
		Cargas muertas	131.0	-8.0	-8.8	-6.2	-6.2	0.0	131.0	6375.3	5028.9	-6.2	-6.2	-62.1
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.4	-0.3	0.0	0.0	0.3
		Sobrecarga de uso	281.4	-9.0	-13.4	-7.5	-12.3	0.0	281.4	13705	10810	-7.5	-12.3	-312.6
		Viento +X exc.+	0.9	4.6	-0.2	3.0	-0.3	-0.0	0.9	47.5	33.7	3.0	-0.3	-129.1
		Viento +X exc.-	0.9	4.5	-0.3	3.0	-0.3	0.0	0.9	46.9	33.1	3.0	-0.3	-130.1
		Viento -X exc.+	-0.9	-4.6	0.2	-3.0	0.3	0.0	-0.9	-47.5	-33.7	-3.0	0.3	129.1
		Viento -X exc.-	-0.9	-4.5	0.3	-3.0	0.3	0.0	-0.9	-46.9	-33.1	-3.0	0.3	130.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	13.4	1.6	24.4	1.2	15.7	0.0	13.4	652.6	538.2	1.2	15.7	722.0
		Viento +Y exc.-	13.7	2.5	27.2	1.8	17.6	-0.0	13.7	669.5	553.6	1.8	17.6	788.6
		Viento -Y exc.+	-13.4	-1.6	-24.4	-1.2	-15.7	-0.0	-13.4	-652.6	-538.2	-1.2	-15.7	-722.0
		Viento -Y exc.-	-13.7	-2.5	-27.2	-1.8	-17.6	0.0	-13.7	-669.5	-553.6	-1.8	-17.6	-788.6
P24 [56.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	332.7	13.0	-16.1	8.5	-12.0	0.0	332.7	18889	12781	8.5	-12.0	-1006
		Cargas muertas	128.0	5.8	-8.8	4.1	-6.2	0.0	128.0	7265.7	4912.9	4.1	-6.2	-506.4
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.6	-0.4	0.0	0.0	0.4
		Sobrecarga de uso	267.0	8.6	-14.2	7.0	-12.9	0.0	267.0	15160	10257	7.0	-12.9	-1005
		Viento +X exc.+	0.3	5.8	-0.4	4.0	-0.4	-0.0	0.3	20.3	9.4	4.0	-0.4	-174.5
		Viento +X exc.-	0.3	5.8	-0.4	4.0	-0.4	0.0	0.3	20.6	9.6	4.0	-0.4	-173.8
		Viento -X exc.+	-0.3	-5.8	0.4	-4.0	0.4	0.0	-0.3	-20.3	-9.4	-4.0	0.4	174.5
		Viento -X exc.-	-0.3	-5.8	0.4	-4.0	0.4	0.0	-0.3	-20.6	-9.6	-4.0	0.4	173.8
		Viento +Y exc.+	7.1	-0.7	26.0	-0.6	17.2	0.0	7.1	400.8	298.2	-0.6	17.2	998.6
		Viento +Y exc.-	7.1	0.1	27.6	-0.1	18.2	-0.0	7.1	402.1	300.1	-0.1	18.2	1032.6
		Viento -Y exc.+	-7.1	0.7	-26.0	0.6	-17.2	-0.0	-7.1	-400.8	-298.2	0.6	-17.2	-998.6
		Viento -Y exc.-	-7.1	-0.1	-27.6	0.1	-18.2	0.0	-7.1	-402.1	-300.1	0.1	-18.2	-1033
P25 [64.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	358.8	-0.4	0.8	-0.3	0.1	0.0	358.8	23225	13801	-0.3	0.1	20.5
		Cargas muertas	141.0	-0.1	-1.2	-0.1	-0.6	0.0	141.0	9128.9	5422.9	-0.1	-0.6	-38.2
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.7	-0.4	0.0	0.0	0.2
		Sobrecarga de uso	307.1	-0.1	-1.1	-0.1	-1.5	0.0	307.1	19883	11813	-0.1	-1.5	-91.0
		Viento +X exc.+	-0.4	5.3	-0.0	2.9	0.0	-0.0	-0.4	-21.3	-15.8	2.9	0.0	-112.4
		Viento +X exc.-	-0.4	5.2	-0.0	2.9	0.0	0.0	-0.4	-20.3	-15.2	2.9	0.0	-111.8
		Viento -X exc.+	0.4	-5.3	0.0	-2.9	-0.0	0.0	0.4	21.3	15.8	-2.9	-0.0	112.4
		Viento -X exc.-	0.4	-5.2	0.0	-2.9	-0.0	0.0	0.4	20.3	15.2	-2.9	-0.0	111.8
		Viento +Y exc.+	6.1	-0.0	21.9	-0.0	11.3	0.0	6.1	395.4	256.8	-0.0	11.3	730.6
		Viento +Y exc.-	5.9	0.6	22.1	0.3	11.3	-0.0	5.9	383.1	249.4	0.3	11.3	721.4
		Viento -Y exc.+	-6.1	0.0	-21.9	0.0	-11.3	-0.0	-6.1	-395.4	-256.8	0.0	-11.3	-730.6
		Viento -Y exc.-	-5.9	-0.6	-22.1	-0.3	-11.3	0.0	-5.9	-383.1	-249.4	-0.3	-11.3	-721.4
P26 [72.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	341.1	-5.0	-9.0	-2.2	-6.7	0.0	341.1	24809	13113	-2.2	-6.7	-397.8
		Cargas muertas	133.8	-3.6	-6.0	-2.2	-4.2	0.0	133.8	9731.1	5141.8	-2.2	-4.2	-221.1
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.7	-0.4	0.0	0.0	0.5
		Sobrecarga de uso	278.7	-5.3	-10.0	-4.2	-9.5	0.0	278.7	20265	10709	-4.2	-9.5	-528.9
		Viento +X exc.+	1.1	5.3	0.2	3.5	0.2	-0.0	1.1	87.2	43.5	3.5	0.2	-117.1
		Viento +X exc.-	1.2	5.2	0.2	3.4	0.2	0.0	1.2	89.5	44.8	3.4	0.2	-117.3
		Viento -X exc.+	-1.1	-5.3	-0.2	-3.5	-0.2	0.0	-1.1	-87.2	-43.5	-3.5	-0.2	117.1
		Viento -X exc.-	-1.2	-5.2	-0.2	-3.4	-0.2	0.0	-1.2	-89.5	-44.8	-3.4	-0.2	117.3
		Viento +Y exc.+	7.7	0.3	27.5	0.2	18.6	0.0	7.7	561.1	324.0	0.2	18.6	1345.5
		Viento +Y exc.-	7.2	1.0	26.3	0.7	17.7	-0.0	7.2	525.5	303.7	0.7	17.7	1259.6
		Viento -Y exc.+	-7.7	-0.3	-27.5	-0.2	-18.6	-0.0	-7.7	-561.1	-324.0	-0.2	-18.6	-1346
		Viento -Y exc.-	-7.2	-1.0	-26.3	-0.7	-17.7	0.0	-7.2	-525.5	-303.7	-0.7	-17.7	-1260
P27 [80.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	353.1	-0.5	1.7	-0.5	0.7	0.0	353.1	28505	13582	-0.5	0.7	79.1
		Cargas muertas	142.9	0.1	-0.6	0.1	-0.3	0.0	142.9	11534	5494.3	0.1	-0.3	-28.4
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.9	-0.4	0.0	0.0	0.3
		Sobrecarga de uso	311.7	0.4	-0.4	0.3	-1.1	0.0	311.7	25169	11990	0.3	-1.1	-102.7
		Viento +X exc.+	-1.2	5.3	-0.2	2.9	-0.1	-0.0	-1.2	-92.2	-46.6	2.9	-0.1	-120.4
		Viento +X exc.-	-1.2	5.3	-0.1	2.9	-0.0	0.0	-1.2	-89.5	-45.2	2.9	-0.0	-114.1
		Viento -X exc.+	1.2	-5.3	0.2	-2.9	0.1	0.0	1.2	92.2	46.6	-2.9	0.1	120.4
		Viento -X exc.-	1.2	-5.3	0.1	-2.9	0.0	0.0	1.2	89.5	45.2	-2.9	0.0	114.1
		Viento +Y exc.+	5.9	-0.4	22.4	-0.2	11.7	0.0	5.9	477.5	250.1	-0.2	11.7	949.7
		Viento +Y exc.-	5.2	0.3	20.4	0.1	10.5	-0.0	5.2	416.6	218.7	0.1	10.5	844.9
		Viento -Y exc.+	-5.9	0.4	-22.4	0.2	-11.7	-0.0	-5.9	-477.5	-250.1	0.2	-11.7	-949.7
		Viento -Y exc.-	-5.2	-0.3	-20.4	-0.1	-10.5	0.0	-5.2	-416.6	-218.7	-0.1	-10.5	-844.9
P28 [88.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	340.6	-5.5	-11.8	-3.1	-8.6	0.0	340.6	30217	13089	-3.1	-8.6	-647.1
		Cargas muertas	130.9	-3.5	-7.6	-2.3	-5.2	0.0	130.9	11613	5027.7	-2.3	-5.2	-377.3
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.9	-0.4	0.0	0.0	0.6
		Sobrecarga de uso	271.1	-5.5	-12.5	-4.5	-11.5	0.0	271.1	24048	10414	-4.5	-11.5	-850.1
		Viento +X exc.+	1.0	5.3	0.0	3.5	0.1	-0.0	1.0	96.6	39.6	3.5	0.1	-122.8
		Viento +X exc.-	1.1	5.3	0.2	3.5	0.3	0.0	1.1	102.1	42.2	3.5	0.3	-111.9
		Viento -X exc.+	-1.0	-5.3	-0.0	-3.5	-0.1	0.0	-1.0	-96.6	-39.6	-3.5	-0.1	122.8
		Viento -X exc.-	-1.1	-5.3	-0.2	-3.5	-0.3	0.0	-1.1	-102.1	-42.2	-3.5	-0.3	111.9
		Viento +Y exc.+	8.2	0.3	27.8	0.2	19.0	0.0	8.2	729.6	344.0	0.2	19.0	1675.5
		Viento +Y exc.-	7.2	1.1	23.8	0.7	16.1	-0.0	7.2	644.3	302.7	0.7	16.1	1398.5
		Viento -Y exc.+	-8.2	-0.3	-27.8	-0.2	-19.0	-0.0	-8.2	-729.6	-344.0	-0.2	-19.0	-1676
		Viento -Y exc.-	-7.2	-1.1	-23.8	-0.7	-16.1	0.0	-7.2	-644.3	-302.7	-0.7	-16.1	-1399





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P29 [96.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	348.5	-0.5	2.4	-0.5	0.8	0.0	348.5	33712	13407	-0.5	0.8	100.7
		Cargas muertas	144.6	0.1	-0.1	-0.1	-0.1	0.0	144.6	13990	5562.4	-0.1	-0.1	-4.5
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.2	-0.5	0.0	0.0	0.3
		Sobrecarga de uso	316.5	0.0	0.1	-0.2	-0.9	0.0	316.5	30622	12176	-0.2	-0.9	-78.2
		Viento +X exc.+	0.3	5.4	-0.4	2.9	-0.2	-0.0	0.3	36.3	11.9	2.9	-0.2	-128.7
		Viento +X exc.-	0.4	5.3	-0.1	2.9	-0.0	0.0	0.4	43.6	15.1	2.9	-0.0	-114.1
		Viento -X exc.+	-0.3	-5.4	0.4	-2.9	0.2	0.0	-0.3	-36.3	-11.9	-2.9	0.2	128.7
		Viento -X exc.-	-0.4	-5.3	0.1	-2.9	0.0	0.0	-0.4	-43.6	-15.1	-2.9	0.0	114.1
		Viento +Y exc.+	5.6	-0.1	23.9	-0.1	12.3	0.0	5.6	546.2	241.1	-0.1	12.3	1194.9
		Viento +Y exc.-	4.4	0.5	19.4	0.2	9.9	-0.0	4.4	425.5	188.4	0.2	9.9	950.2
		Viento -Y exc.+	-5.6	0.1	-23.9	0.1	-12.3	-0.0	-5.6	-546.2	-241.1	0.1	-12.3	-1195
		Viento -Y exc.-	-4.4	-0.5	-19.4	-0.2	-9.9	0.0	-4.4	-425.5	-188.4	-0.2	-9.9	-950.2
P30 [104.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	330.1	7.2	-8.0	6.9	-6.7	0.0	330.1	34586	12691	6.9	-6.7	-961.7
		Cargas muertas	126.4	5.0	-6.7	4.0	-4.9	0.0	126.4	13239	4853.5	4.0	-4.9	-665.3
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.5	-0.2	0.0	0.0	0.8
		Sobrecarga de uso	249.3	9.2	-12.0	8.2	-11.5	0.0	249.3	26117	9575.9	8.2	-11.5	-1515
		Viento +X exc.+	-1.5	5.9	-0.6	4.0	-0.4	-0.0	-1.5	-147.7	-57.0	4.0	-0.4	-196.9
		Viento +X exc.-	-1.5	5.8	-0.1	4.0	-0.0	0.0	-1.5	-153.7	-58.7	4.0	-0.0	-159.0
		Viento -X exc.+	1.5	-5.9	0.6	-4.0	0.4	0.0	1.5	147.7	57.0	-4.0	0.4	196.9
		Viento -X exc.-	1.5	-5.8	0.1	-4.0	0.0	0.0	1.5	153.7	58.7	-4.0	0.0	159.0
		Viento +Y exc.+	12.9	-0.2	27.4	-0.2	18.1	0.0	12.9	1355.5	525.3	-0.2	18.1	1899.3
		Viento +Y exc.-	13.2	0.3	19.5	0.2	12.3	-0.0	13.2	1383.5	527.4	0.2	12.3	1285.3
		Viento -Y exc.+	-12.9	0.2	-27.4	0.2	-18.1	-0.0	-12.9	-1356	-525.3	0.2	-18.1	-1899
		Viento -Y exc.-	-13.2	-0.3	-19.5	-0.2	-12.3	0.0	-13.2	-1383	-527.4	-0.2	-12.3	-1285
P31 [112.738;38.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	413.0	-2.2	5.4	-2.1	3.2	0.0	413.0	46553	15890	-2.1	3.2	441.7
		Cargas muertas	148.2	1.9	2.0	1.2	1.2	0.0	148.2	16710	5702.5	1.2	1.2	89.2
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.1	-0.7	0.0	0.0	0.3
		Sobrecarga de uso	293.4	-6.5	-2.7	-6.7	-4.1	0.0	293.4	33070	11283	-6.7	-4.1	-199.4
		Viento +X exc.+	0.6	5.9	-0.8	3.9	-0.5	-0.0	0.6	76.2	23.2	3.9	-0.5	-206.7
		Viento +X exc.-	0.8	5.8	-0.3	3.9	-0.2	0.0	0.8	101.1	32.2	3.9	-0.2	-167.2
		Viento -X exc.+	-0.6	-5.9	0.8	-3.9	0.5	0.0	-0.6	-76.2	-23.2	-3.9	0.5	206.7
		Viento -X exc.-	-0.8	-5.8	0.3	-3.9	0.2	0.0	-0.8	-101.1	-32.2	-3.9	0.2	167.2
		Viento +Y exc.+	14.1	-0.7	28.7	-0.6	18.9	0.0	14.1	1589.2	571.2	-0.6	18.9	2149.3
		Viento +Y exc.-	10.9	0.1	20.1	-0.1	13.0	-0.0	10.9	1224.7	438.0	-0.1	13.0	1462.9
		Viento -Y exc.+	-14.1	0.7	-28.7	0.6	-18.9	-0.0	-14.1	-1589	-571.2	0.6	-18.9	-2149
		Viento -Y exc.-	-10.9	-0.1	-20.1	0.1	-13.0	0.0	-10.9	-1225	-438.0	0.1	-13.0	-1463
P32 [120.788;38.465;0.0 grados] (Diámetro 50)	28.60/31.85	Peso propio	242.9	47.8	0.7	26.1	-0.2	0.0	242.9	29386	9343.3	26.1	-0.2	-1027
		Cargas muertas	163.8	-6.4	0.0	-3.8	0.1	0.0	163.8	19783	6302.0	-3.8	0.1	157.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	4.4	1.4	0.0	-0.0	-1.8
		Sobrecarga de uso	192.1	26.0	-0.1	17.1	-0.9	0.0	192.1	23231	7389.6	17.1	-0.9	-766.5
		Viento +X exc.+	2.0	4.9	-0.8	2.9	-0.4	-0.0	2.0	248.9	77.0	2.9	-0.4	-154.2
		Viento +X exc.-	2.0	4.8	-0.2	2.9	-0.0	0.0	2.0	250.1	77.9	2.9	-0.0	-115.6
		Viento -X exc.+	-2.0	-4.9	0.8	-2.9	0.4	0.0	-2.0	-248.9	-77.0	-2.9	0.4	154.2
		Viento -X exc.-	-2.0	-4.8	0.2	-2.9	0.0	0.0	-2.0	-250.1	-77.9	-2.9	0.0	115.6
		Viento +Y exc.+	1.1	0.3	30.6	0.2	16.0	0.0	1.1	131.3	72.3	0.2	16.0	1920.8
		Viento +Y exc.-	0.9	0.8	20.5	0.5	10.7	-0.0	0.9	110.3	55.4	0.5	10.7	1267.9
		Viento -Y exc.+	-1.1	-0.3	-30.6	-0.2	-16.0	-0.0	-1.1	-131.3	-72.3	-0.2	-16.0	-1921
		Viento -Y exc.-	-0.9	-0.8	-20.5	-0.5	-10.7	0.0	-0.9	-110.3	-55.4	-0.5	-10.7	-1268
P33 [0.638;31.965;0.0 grados] (40x40)	28.60/31.85	Peso propio	236.4	-32.1	0.2	-17.4	0.0	0.0	236.4	118.7	7558.2	-17.4	0.0	554.8
		Cargas muertas	159.4	6.9	-1.0	4.3	-0.9	0.0	159.4	108.5	5092.8	4.3	-0.9	-137.9
		H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	-0.2	-0.0	0.0	0.2
		Sobrecarga de uso	186.8	-18.2	0.8	-11.9	0.6	0.0	186.8	100.9	5970.5	-11.9	0.6	379.2
		Viento +X exc.+	-1.5	3.8	0.8	2.2	0.4	-0.0	-1.5	2.8	-48.6	2.2	0.4	-70.0
		Viento +X exc.-	-1.6	3.8	0.3	2.2	0.1	0.0	-1.6	2.8	-49.5	2.2	0.1	-70.3
		Viento -X exc.+	1.5	-3.8	-0.8	-2.2	-0.4	0.0	1.5	-2.8	48.6	-2.2	-0.4	70.0
		Viento -X exc.-	1.6	-3.8	-0.3	-2.2	-0.1	0.0	1.6	-2.8	49.5	-2.2	-0.1	70.3
		Viento +Y exc.+	1.2	-0.2	19.6	-0.0	9.8	0.0	1.2	0.6	56.6	-0.0	9.8	7.2
		Viento +Y exc.-	1.4	-0.4	28.5	-0.1	14.3	-0.0	1.4	0.5	73.3	-0.1	14.3	13.7
		Viento -Y exc.+	-1.2	0.2	-19.6	0.0	-9.8	-0.0	-1.2	-0.6	-56.6	0.0	-9.8	-7.2
		Viento -Y exc.-	-1.4	0.4	-28.5	0.1	-14.3	0.0	-1.4	-0.5	-73.3	0.1	-14.3	-13.7
P34 [8.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	373.7	6.9	0.2	4.7	-0.7	0.0	373.7	3272.0	11944	4.7	-0.7	-155.2
		Cargas muertas	121.2	1.2	2.1	0.2	0.8	0.0	121.2	1059.8	3875.0	0.2	0.8	1.3
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.1	-0.5	-0.0	-0.0	0.3
		Sobrecarga de uso	299.1	7.8	4.0	7.3	3.5	0.0	299.1	2621.6	9565.9	7.3	3.5	-203.2





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-1.0	8.6	1.2	5.8	0.8	-0.0	-1.0	-0.5	-32.0	5.8	0.8	-178.5
		Viento +X exc.-	-1.0	8.6	0.4	5.8	0.3	0.0	-1.0	0.1	-30.5	5.8	0.3	-183.9
		Viento -X exc.+	1.0	-8.6	-1.2	-5.8	-0.8	0.0	1.0	0.5	32.0	-5.8	-0.8	178.5
		Viento -X exc.-	1.0	-8.6	-0.4	-5.8	-0.3	0.0	1.0	-0.1	30.5	-5.8	-0.3	183.9
		Viento +Y exc.+	-6.8	0.6	33.1	0.6	21.8	0.0	-6.8	-58.7	-183.8	0.6	21.8	172.4
		Viento +Y exc.-	-8.0	0.2	46.1	0.2	30.5	-0.0	-8.0	-69.9	-210.2	0.2	30.5	259.1
		Viento -Y exc.+	6.8	-0.6	-33.1	-0.6	-21.8	-0.0	6.8	58.7	183.8	-0.6	-21.8	-172.4
		Viento -Y exc.-	8.0	-0.2	-46.1	-0.2	-30.5	0.0	8.0	69.9	210.2	-0.2	-30.5	-259.1
P35 [16.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	346.9	-1.6	1.2	-1.6	0.4	0.0	346.9	5805.2	11090	-1.6	0.4	58.9
		Cargas muertas	130.2	0.5	1.6	0.2	0.6	0.0	130.2	2180.2	4164.3	0.2	0.6	3.2
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.0
		Sobrecarga de uso	290.5	-1.3	4.1	-1.8	3.8	0.0	290.5	4861.3	9290.3	-1.8	3.8	120.2
		Viento +X exc.+	-0.0	10.5	0.8	7.7	0.5	-0.0	-0.0	10.0	-0.3	7.7	0.5	-238.8
		Viento +X exc.-	-0.0	10.6	0.2	7.8	0.1	0.0	-0.0	10.1	-0.8	7.8	0.1	-246.6
		Viento -X exc.+	0.0	-10.5	-0.8	-7.7	-0.5	0.0	0.0	-10.0	0.3	-7.7	-0.5	238.8
		Viento -X exc.-	0.0	-10.6	-0.2	-7.8	-0.1	0.0	0.0	-10.1	0.8	-7.8	-0.1	246.6
		Viento +Y exc.+	-1.1	-0.3	32.3	-0.2	21.1	0.0	-1.1	-18.7	-2.8	-0.2	21.1	359.9
		Viento +Y exc.-	-1.2	-0.9	43.1	-0.7	28.3	-0.0	-1.2	-20.8	5.1	-0.7	28.3	497.1
		Viento -Y exc.+	1.1	0.3	-32.3	0.2	-21.1	-0.0	1.1	18.7	2.8	0.2	-21.1	-359.9
		Viento -Y exc.-	1.2	0.9	-43.1	0.7	-28.3	0.0	1.2	20.8	-5.1	0.7	-28.3	-497.1
P37 [48.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	376.8	-29.3	1.7	-20.5	-0.7	0.0	376.8	18334	12046	-20.5	-0.7	620.7
		Cargas muertas	130.1	-2.6	5.0	-2.5	2.6	0.0	130.1	6340.0	4164.8	-2.5	2.6	205.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	295.1	-13.2	4.3	-11.7	3.2	0.0	295.1	14370	9437.3	-11.7	3.2	531.7
		Viento +X exc.+	1.6	6.2	0.3	4.2	0.2	-0.0	1.6	84.3	51.5	4.2	0.2	-124.6
		Viento +X exc.-	1.6	6.2	0.1	4.2	0.0	0.0	1.6	84.4	51.3	4.2	0.0	-132.3
		Viento -X exc.+	-1.6	-6.2	-0.3	-4.2	-0.2	0.0	-1.6	-84.3	-51.5	-4.2	-0.2	124.6
		Viento -X exc.-	-1.6	-6.2	-0.1	-4.2	-0.0	0.0	-1.6	-84.4	-51.3	-4.2	-0.0	132.3
		Viento +Y exc.+	-14.9	-3.3	33.1	-2.7	21.8	0.0	-14.9	-727.9	-442.1	-2.7	21.8	1148.7
		Viento +Y exc.-	-14.9	-3.8	36.7	-3.1	24.1	-0.0	-14.9	-732.4	-441.1	-3.1	24.1	1272.6
		Viento -Y exc.+	14.9	3.3	-33.1	2.7	-21.8	-0.0	14.9	727.9	442.1	2.7	-21.8	-1149
		Viento -Y exc.-	14.9	3.8	-36.7	3.1	-24.1	0.0	14.9	732.4	441.1	3.1	-24.1	-1273
P38 [56.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	346.6	3.0	0.8	1.3	-1.1	0.0	346.6	19666	11079	1.3	-1.1	-104.5
		Cargas muertas	124.8	0.1	1.9	0.1	0.5	0.0	124.8	7081.0	3991.1	0.1	0.5	25.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	282.1	1.9	4.1	1.7	3.2	0.0	282.1	16009	9022.0	1.7	3.2	130.4
		Viento +X exc.+	0.3	9.0	0.3	6.3	0.2	-0.0	0.3	26.7	10.3	6.3	0.2	-186.8
		Viento +X exc.-	0.3	9.1	0.2	6.3	0.2	0.0	0.3	25.2	9.3	6.3	0.2	-191.5
		Viento -X exc.+	-0.3	-9.0	-0.3	-6.3	-0.2	0.0	-0.3	-26.7	-10.3	-6.3	-0.2	186.8
		Viento -X exc.-	-0.3	-9.1	-0.2	-6.3	-0.2	0.0	-0.3	-25.2	-9.3	-6.3	-0.2	191.5
		Viento +Y exc.+	-8.0	0.9	33.8	0.9	22.4	0.0	-8.0	-452.2	-221.5	0.9	22.4	1242.1
		Viento +Y exc.-	-7.9	0.5	35.7	0.5	23.6	-0.0	-7.9	-447.4	-216.6	0.5	23.6	1320.8
		Viento -Y exc.+	8.0	-0.9	-33.8	-0.9	-22.4	-0.0	8.0	452.2	221.5	-0.9	-22.4	-1242
		Viento -Y exc.-	7.9	-0.5	-35.7	-0.5	-23.6	0.0	7.9	447.4	216.6	-0.5	-23.6	-1321
P39 [64.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	350.0	2.3	4.1	2.4	1.7	0.0	350.0	22661	11192	2.4	1.7	36.8
		Cargas muertas	129.3	1.1	3.3	1.1	1.7	0.0	129.3	8371.5	4136.2	1.1	1.7	74.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	291.0	2.3	5.5	2.2	4.5	0.0	291.0	18838	9305.8	2.2	4.5	222.0
		Viento +X exc.+	-0.3	9.9	0.0	7.3	0.0	-0.0	-0.3	-11.1	-10.4	7.3	0.0	-231.3
		Viento +X exc.-	-0.3	9.9	0.0	7.3	0.0	0.0	-0.3	-11.8	-10.7	7.3	0.0	-231.7
		Viento -X exc.+	0.3	-9.9	-0.0	-7.3	-0.0	0.0	0.3	11.1	10.4	-7.3	-0.0	231.3
		Viento -X exc.-	0.3	-9.9	-0.0	-7.3	-0.0	0.0	0.3	11.8	10.7	-7.3	-0.0	231.7
		Viento +Y exc.+	-3.0	0.2	32.9	0.2	22.3	0.0	-3.0	-191.5	-61.7	0.2	22.3	1436.6
		Viento +Y exc.-	-2.8	-0.3	33.1	-0.2	22.3	-0.0	-2.8	-179.0	-55.1	-0.2	22.3	1450.0
		Viento -Y exc.+	3.0	-0.2	-32.9	-0.2	-22.3	-0.0	3.0	191.5	61.7	-0.2	-22.3	-1437
		Viento -Y exc.-	2.8	0.3	-33.1	0.2	-22.3	0.0	2.8	179.0	55.1	0.2	-22.3	-1450
P40 [72.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	360.1	3.6	2.5	4.2	-0.1	0.0	360.1	26197	11513	4.2	-0.1	-141.9
		Cargas muertas	132.2	0.4	3.0	0.6	1.3	0.0	132.2	9619.9	4230.3	0.6	1.3	75.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	295.5	1.0	4.9	1.1	3.8	0.0	295.5	21494	9449.9	1.1	3.8	243.6
		Viento +X exc.+	0.4	8.7	-0.2	6.0	-0.1	-0.0	0.4	37.4	12.4	6.0	-0.1	-202.8
		Viento +X exc.-	0.4	8.7	-0.1	6.0	-0.1	0.0	0.4	35.8	11.8	6.0	-0.1	-198.3
		Viento -X exc.+	-0.4	-8.7	0.2	-6.0	0.1	0.0	-0.4	-37.4	-12.4	-6.0	0.1	202.8
		Viento -X exc.-	-0.4	-8.7	0.1	-6.0	0.1	0.0	-0.4	-35.8	-11.8	-6.0	0.1	198.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-8.5	-0.2	34.3	-0.1	23.7	0.0	-8.5	-618.5	-237.4	-0.1	23.7	1725.4
		Viento +Y exc.-	-8.1	-0.7	32.8	-0.6	22.5	-0.0	-8.1	-587.0	-224.9	-0.6	22.5	1651.6
		Viento -Y exc.+	8.5	0.2	-34.3	0.1	-23.7	-0.0	8.5	618.5	237.4	0.1	-23.7	-1725.4
		Viento -Y exc.-	8.1	0.7	-32.8	0.6	-22.5	0.0	8.1	587.0	224.9	0.6	-22.5	-1651.6
P41 [80.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	338.9	-1.0	5.1	-1.1	2.5	0.0	338.9	27358	10837	-1.1	2.5	234.3
		Cargas muertas	127.7	0.6	3.3	0.5	1.8	0.0	127.7	10310	4085.1	0.5	1.8	126.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	292.2	1.4	5.6	1.3	4.6	0.0	292.2	23590	9344.5	1.3	4.6	328.3
		Viento +X exc.+	-0.5	9.9	-0.3	7.2	-0.1	-0.0	-0.5	-32.3	-16.9	7.2	-0.1	-242.3
		Viento +X exc.-	-0.5	9.9	-0.1	7.3	0.0	0.0	-0.5	-32.8	-17.0	7.3	0.0	-231.6
		Viento -X exc.+	0.5	-9.9	0.3	-7.2	0.1	0.0	0.5	32.3	16.9	-7.2	0.1	242.3
		Viento -X exc.-	0.5	-9.9	0.1	-7.3	-0.0	0.0	0.5	32.8	17.0	-7.3	-0.0	231.6
		Viento +Y exc.+	-2.6	0.0	33.5	0.2	22.9	0.0	-2.6	-210.1	-49.6	0.2	22.9	1844.3
		Viento +Y exc.-	-2.2	-0.4	30.4	-0.2	20.6	-0.0	-2.2	-178.5	-40.1	-0.2	20.6	1669.0
		Viento -Y exc.+	2.6	-0.0	-33.5	-0.2	-22.9	-0.0	2.6	210.1	49.6	-0.2	-22.9	-1844.3
		Viento -Y exc.-	2.2	0.4	-30.4	0.2	-20.6	0.0	2.2	178.5	40.1	0.2	-20.6	-1669.0
P42 [80.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	356.3	2.7	2.6	2.5	0.2	0.0	356.3	31618	11391	2.5	0.2	-59.6
		Cargas muertas	127.2	0.4	3.6	0.3	1.9	0.0	127.2	11288	4069.7	0.3	1.9	154.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	286.5	0.1	6.0	0.0	4.9	0.0	286.5	25422	9163.4	0.0	4.9	438.4
		Viento +X exc.+	0.2	8.8	-0.6	6.0	-0.4	-0.0	0.2	29.3	6.8	6.0	-0.4	-227.9
		Viento +X exc.-	0.2	8.8	-0.3	6.1	-0.2	0.0	0.2	25.1	5.6	6.1	-0.2	-209.1
		Viento -X exc.+	-0.2	-8.8	0.6	-6.0	0.4	0.0	-0.2	-29.3	-6.8	-6.0	0.4	227.9
		Viento -X exc.-	-0.2	-8.8	0.3	-6.1	0.2	0.0	-0.2	-25.1	-5.6	-6.1	0.2	209.1
		Viento +Y exc.+	-8.9	-0.4	36.5	-0.3	24.8	0.0	-8.9	-793.5	-249.2	-0.3	24.8	2213.3
		Viento +Y exc.-	-8.0	-0.9	31.3	-0.7	21.1	-0.0	-8.0	-715.1	-226.0	-0.7	21.1	1899.1
		Viento -Y exc.+	8.9	0.4	-36.5	0.3	-24.8	-0.0	8.9	793.5	249.2	0.3	-24.8	-2213.3
		Viento -Y exc.-	8.0	0.9	-31.3	0.7	-21.1	0.0	8.0	715.1	226.0	0.7	-21.1	-1899.1
P43 [96.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	336.2	-0.5	5.2	-1.0	3.0	0.0	336.2	32522	10751	-1.0	3.0	328.4
		Cargas muertas	129.9	0.2	3.1	-0.2	1.7	0.0	129.9	12568	4156.0	-0.2	1.7	172.5
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	297.1	-0.1	5.2	-0.6	4.3	0.0	297.1	28742	9502.3	-0.6	4.3	438.8
		Viento +X exc.+	0.3	9.9	-0.6	7.1	-0.4	-0.0	0.3	43.6	10.6	7.1	-0.4	-262.4
		Viento +X exc.-	0.3	9.9	-0.2	7.1	-0.1	0.0	0.3	40.8	10.0	7.1	-0.1	-235.6
		Viento -X exc.+	-0.3	-9.9	0.6	-7.1	0.4	0.0	-0.3	-43.6	-10.6	-7.1	0.4	262.4
		Viento -X exc.-	-0.3	-9.9	0.2	-7.1	0.1	0.0	-0.3	-40.8	-10.0	-7.1	0.1	235.6
		Viento +Y exc.+	-2.4	0.0	35.4	0.1	24.0	0.0	-2.4	-231.4	-41.1	0.1	24.0	2317.4
		Viento +Y exc.-	-1.8	-0.5	28.6	-0.3	19.2	-0.0	-1.8	-173.1	-28.4	-0.3	19.2	1869.9
		Viento -Y exc.+	2.4	-0.0	-35.4	-0.1	-24.0	-0.0	2.4	231.4	41.1	-0.1	-24.0	-2317.4
		Viento -Y exc.-	1.8	0.5	-28.6	0.3	-19.2	0.0	1.8	173.1	28.4	0.3	-19.2	-1870.0
P36 [24.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	342.8	4.5	0.5	3.6	-1.4	0.0	342.8	8485.1	10959	3.6	-1.4	-151.1
		Cargas muertas	119.9	-2.6	5.3	-1.0	2.6	0.0	119.9	2964.0	3838.7	-1.0	2.6	97.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	274.1	2.7	5.0	2.4	4.0	0.0	274.1	6783.9	8767.2	2.4	4.0	22.1
		Viento +X exc.+	-0.9	9.0	0.8	6.3	0.5	-0.0	-0.9	-12.6	-27.2	6.3	0.5	-187.5
		Viento +X exc.-	-0.7	9.0	0.2	6.3	0.1	0.0	-0.7	-9.4	-23.5	6.3	0.1	-196.7
		Viento -X exc.+	0.9	-9.0	-0.8	-6.3	-0.5	0.0	0.9	12.6	27.2	-6.3	-0.5	187.5
		Viento -X exc.-	0.7	-9.0	-0.2	-6.3	-0.1	0.0	0.7	9.4	23.5	-6.3	-0.1	196.7
		Viento +Y exc.+	-14.6	2.4	34.7	2.1	22.9	0.0	-14.6	-359.1	-432.5	2.1	22.9	501.2
		Viento +Y exc.-	-17.1	2.6	44.1	2.3	29.2	-0.0	-17.1	-420.4	-502.4	2.3	29.2	650.8
		Viento -Y exc.+	14.6	-2.4	-34.7	-2.1	-22.9	-0.0	14.6	359.1	432.5	-2.1	-22.9	-501.2
		Viento -Y exc.-	17.1	-2.6	-44.1	-2.3	-29.2	0.0	17.1	420.4	502.4	-2.3	-29.2	-650.8
P44 [104.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	355.3	-3.7	-8.2	-0.9	-5.7	0.0	355.3	37208	11348	-0.9	-5.7	-568.6
		Cargas muertas	128.9	-0.4	0.9	0.3	0.6	0.0	128.9	13496	4120.0	0.3	0.6	48.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	276.5	1.7	5.7	2.3	5.4	0.0	276.5	28966	8845.1	2.3	5.4	497.0
		Viento +X exc.+	-0.7	9.5	-0.6	6.6	-0.4	-0.0	-0.7	-63.9	-23.0	6.6	-0.4	-252.5
		Viento +X exc.-	-0.6	9.5	-0.1	6.6	-0.0	0.0	-0.6	-54.9	-19.8	6.6	-0.0	-216.4
		Viento -X exc.+	0.7	-9.5	0.6	-6.6	0.4	0.0	0.7	63.9	23.0	-6.6	0.4	252.5
		Viento -X exc.-	0.6	-9.5	0.1	-6.6	0.0	0.0	0.6	54.9	19.8	-6.6	0.0	216.4
		Viento +Y exc.+	-14.7	0.1	37.8	0.2	25.9	0.0	-14.7	-1542	-432.8	0.2	25.9	2709.6
		Viento +Y exc.-	-15.3	-0.3	29.3	-0.1	20.1	-0.0	-15.3	-1606	-460.6	-0.1	20.1	2104.1
		Viento -Y exc.+	14.7	-0.1	-37.8	-0.2	-25.9	-0.0	14.7	1542.0	432.8	-0.2	-25.9	-2710.0
		Viento -Y exc.-	15.3	0.3	-29.3	0.1	-20.1	0.0	15.3	1605.6	460.6	0.1	-20.1	-2104.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P45 [112.738;31.965;0.0 grados] (50x40)	28.60/31.85	Peso propio	378.5	-6.7	-3.6	-8.4	-3.6	0.0	378.5	42668	12096	-8.4	-3.6	-136.0
		Cargas muertas	122.5	0.6	-0.0	-0.4	-0.4	0.0	122.5	13808	3914.7	-0.4	-0.4	-25.3
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-2.5	-0.7	0.0	-0.0	-1.1
		Sobrecarga de uso	292.3	-8.4	4.3	-9.7	4.1	0.0	292.3	32949	9348.7	-9.7	4.1	769.2
		Viento +X exc.+	1.4	9.1	-0.9	6.3	-0.6	-0.0	1.4	166.1	43.6	6.3	-0.6	-267.7
		Viento +X exc.-	1.2	9.1	-0.3	6.4	-0.1	0.0	1.2	140.8	37.1	6.4	-0.1	-218.6
		Viento -X exc.+	-1.4	-9.1	0.9	-6.3	0.6	0.0	-1.4	-166.1	-43.6	-6.3	0.6	267.7
		Viento -X exc.-	-1.2	-9.1	0.3	-6.4	0.1	0.0	-1.2	-140.8	-37.1	-6.4	0.1	218.6
		Viento +Y exc.+	-16.0	0.9	37.6	0.9	26.2	0.0	-16.0	-1807	-475.0	0.9	26.2	2924.2
		Viento +Y exc.-	-12.8	0.2	27.1	0.3	18.8	-0.0	-12.8	-1444	-382.4	0.3	18.8	2105.8
		Viento -Y exc.+	16.0	-0.9	-37.6	-0.9	-26.2	-0.0	16.0	1806.8	475.0	-0.9	-26.2	-2924
		Viento -Y exc.-	12.8	-0.2	-27.1	-0.3	-18.8	0.0	12.8	1443.9	382.4	-0.3	-18.8	-2106
P46 [120.838;31.965;0.0 grados] (40x40)	28.60/31.85	Peso propio	232.8	35.4	4.8	19.3	2.4	0.0	232.8	28160	7444.6	19.3	2.4	-328.9
		Cargas muertas	158.1	-5.8	1.7	-3.6	0.5	0.0	158.1	19097	5054.8	-3.6	0.5	178.0
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.0	0.0	-0.0	-0.5
		Sobrecarga de uso	185.4	19.1	3.1	12.3	1.8	0.0	185.4	22424	5929.8	12.3	1.8	-177.0
		Viento +X exc.+	1.4	3.7	-0.7	2.1	-0.3	-0.0	1.4	169.5	43.2	2.1	-0.3	-109.9
		Viento +X exc.-	1.4	3.7	-0.2	2.2	-0.1	0.0	1.4	167.5	43.1	2.2	-0.1	-80.5
		Viento -X exc.+	-1.4	-3.7	0.7	-2.1	0.3	0.0	-1.4	-169.5	-43.2	-2.1	0.3	109.9
		Viento -X exc.-	-1.4	-3.7	0.2	-2.2	0.1	0.0	-1.4	-167.5	-43.1	-2.2	0.1	80.5
		Viento +Y exc.+	-1.2	-0.2	23.5	-0.1	12.4	0.0	-1.2	-140.3	-13.5	-0.1	12.4	1505.9
		Viento +Y exc.-	-0.9	-0.3	15.8	-0.2	8.3	-0.0	-0.9	-109.9	-13.2	-0.2	8.3	1010.2
		Viento -Y exc.+	1.2	0.2	-23.5	0.1	-12.4	-0.0	1.2	140.3	13.5	0.1	-12.4	-1506
		Viento -Y exc.-	0.9	0.3	-15.8	0.2	-8.3	0.0	0.9	109.9	13.2	0.2	-8.3	-1010
P49 [0.638;25.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	162.8	-29.4	-16.6	-16.7	-8.7	0.0	162.8	74.4	4127.9	-16.7	-8.7	418.5
		Cargas muertas	179.5	-4.5	3.7	-2.0	3.3	0.0	179.5	110.0	4575.8	-2.0	3.3	51.9
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	0.1	-0.0	-0.0	0.2
		Sobrecarga de uso	127.1	-16.2	-8.8	-11.1	-5.5	0.0	127.1	64.8	3227.3	-11.1	-5.5	279.2
		Viento +X exc.+	-1.0	3.9	0.5	2.1	0.3	-0.0	-1.0	3.2	-24.2	2.1	0.3	-54.5
		Viento +X exc.-	-0.9	3.9	0.1	2.2	0.1	0.0	-0.9	3.4	-22.6	2.2	0.1	-55.4
		Viento -X exc.+	1.0	-3.9	-0.5	-2.1	-0.3	0.0	1.0	-3.2	24.2	-2.1	-0.3	54.5
		Viento -X exc.-	0.9	-3.9	-0.1	-2.2	-0.1	0.0	0.9	-3.4	22.6	-2.2	-0.1	55.4
		Viento +Y exc.+	-3.3	0.1	14.9	0.1	7.8	0.0	-3.3	-2.0	-69.3	0.1	7.8	1.8
		Viento +Y exc.-	-4.6	-0.8	21.3	-0.4	11.3	-0.0	-4.6	-3.7	-95.1	-0.4	11.3	17.3
		Viento -Y exc.+	3.3	-0.1	-14.9	-0.1	-7.8	-0.0	3.3	2.0	69.3	-0.1	-7.8	-1.8
		Viento -Y exc.-	4.6	0.8	-21.3	0.4	-11.3	0.0	4.6	3.7	95.1	0.4	-11.3	-17.3
P50 [8.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	250.6	5.0	-21.9	3.2	-11.4	0.0	250.6	2194.4	6358.7	3.2	-11.4	-182.2
		Cargas muertas	186.3	0.5	13.1	0.1	8.4	0.0	186.3	1628.3	4757.0	0.1	8.4	71.2
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	-0.0	-0.0	0.2
		Sobrecarga de uso	199.9	4.2	-12.4	3.3	-7.7	0.0	199.9	1751.3	5079.2	3.3	-7.7	-152.0
		Viento +X exc.+	-0.3	7.8	0.5	4.2	0.3	-0.0	-0.3	4.9	-8.0	4.2	0.3	-104.3
		Viento +X exc.-	-0.2	7.9	0.1	4.3	0.1	0.0	-0.2	6.1	-5.2	4.3	0.1	-107.8
		Viento -X exc.+	0.3	-7.8	-0.5	-4.2	-0.3	0.0	0.3	-4.9	8.0	-4.2	-0.3	104.3
		Viento -X exc.-	0.2	-7.9	-0.1	-4.3	-0.1	0.0	0.2	-6.1	5.2	-4.3	-0.1	107.8
		Viento +Y exc.+	-5.7	0.2	19.0	0.3	10.2	0.0	-5.7	-49.3	-125.4	0.3	10.2	82.1
		Viento +Y exc.-	-7.8	-1.7	25.8	-0.8	14.0	-0.0	-7.8	-69.9	-173.0	-0.8	14.0	141.8
		Viento -Y exc.+	5.7	-0.2	-19.0	-0.3	-10.2	-0.0	5.7	49.3	125.4	-0.3	-10.2	-82.1
		Viento -Y exc.-	7.8	1.7	-25.8	0.8	-14.0	0.0	7.8	69.9	173.0	0.8	-14.0	-141.8
P51 [16.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	228.9	1.9	-20.9	1.3	-11.0	0.0	228.9	3832.6	5807.2	1.3	-11.0	-216.1
		Cargas muertas	176.7	2.4	13.1	1.9	8.2	0.0	176.7	2959.2	4511.6	1.9	8.2	90.0
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.0	-0.0	0.0
		Sobrecarga de uso	181.3	0.8	-11.9	0.2	-7.4	0.0	181.3	3035.8	4605.5	0.2	-7.4	-129.1
		Viento +X exc.+	-0.7	8.4	0.5	4.6	0.3	-0.0	-0.7	-3.9	-18.1	4.6	0.3	-113.2
		Viento +X exc.-	-0.6	8.5	0.1	4.7	0.1	0.0	-0.6	-2.1	-16.1	4.7	0.1	-118.1
		Viento -X exc.+	0.7	-8.4	-0.5	-4.6	-0.3	0.0	0.7	3.9	18.1	-4.6	-0.3	113.2
		Viento -X exc.-	0.6	-8.5	-0.1	-4.7	-0.1	0.0	0.6	2.1	16.1	-4.7	-0.1	118.1
		Viento +Y exc.+	-5.5	0.2	19.0	0.2	10.3	0.0	-5.5	-92.5	-121.9	0.2	10.3	167.6
		Viento +Y exc.-	-7.2	-2.0	24.9	-1.0	13.6	-0.0	-7.2	-122.2	-158.0	-1.0	13.6	253.3
		Viento -Y exc.+	5.5	-0.2	-19.0	-0.2	-10.3	-0.0	5.5	92.5	121.9	-0.2	-10.3	-167.6
		Viento -Y exc.-	7.2	2.0	-24.9	1.0	-13.6	0.0	7.2	122.2	158.0	1.0	-13.6	-253.3
P52 [24.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	259.5	-54.9	-22.7	-30.3	-11.5	0.0	259.5	6365.4	6586.3	-30.3	-11.5	487.3
		Cargas muertas	236.4	-58.4	19.8	-33.4	11.2	0.0	236.4	5788.7	6038.7	-33.4	11.2	1127.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	173.9	-26.6	-15.0	-14.3	-8.7	0.0	173.9	4274.6	4412.7	-14.3	-8.7	147.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	12.2	4.4	0.2	2.3	0.1	-0.0	12.2	306.2	310.9	2.3	0.1	-54.5
		Viento +X exc.-	12.5	4.4	-0.0	2.3	0.0	0.0	12.5	314.4	319.0	2.3	0.0	-58.2
		Viento -X exc.+	-12.2	-4.4	-0.2	-2.3	-0.1	0.0	-12.2	-306.2	-310.9	-2.3	-0.1	54.5
		Viento -X exc.-	-12.5	-4.4	0.0	-2.3	-0.0	0.0	-12.5	-314.4	-319.0	-2.3	-0.0	58.2
		Viento +Y exc.+	-5.2	2.5	15.9	1.4	8.9	0.0	-5.2	-125.0	-115.4	1.4	8.9	184.7
		Viento +Y exc.-	-10.8	2.2	20.0	1.3	11.4	-0.0	-10.8	-265.3	-255.3	1.3	11.4	247.5
		Viento -Y exc.+	5.2	-2.5	-15.9	-1.4	-8.9	-0.0	5.2	125.0	115.4	-1.4	-8.9	-184.7
		Viento -Y exc.-	10.8	-2.2	-20.0	-1.3	-11.4	0.0	10.8	265.3	255.3	-1.3	-11.4	-247.5
P55 [48.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	268.5	40.5	-26.2	24.9	-13.9	0.0	268.5	13126	6810.7	24.9	-13.9	-1310
		Cargas muertas	239.1	52.8	10.3	32.0	6.1	0.0	239.1	11706	6099.2	32.0	6.1	-518.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	180.7	22.1	-18.1	12.5	-10.9	0.0	180.7	8827.7	4582.7	12.5	-10.9	-850.5
		Viento +X exc.+	-10.3	1.9	0.3	1.3	0.2	-0.0	-10.3	-499.9	-261.8	1.3	0.2	-25.2
		Viento +X exc.-	-10.4	1.9	0.2	1.4	0.1	0.0	-10.4	-504.9	-264.5	1.4	0.1	-28.8
		Viento -X exc.+	10.3	-1.9	-0.3	-1.3	-0.2	0.0	10.3	499.9	261.8	-1.3	-0.2	25.2
		Viento -X exc.-	10.4	-1.9	-0.2	-1.4	-0.1	0.0	10.4	504.9	264.5	-1.4	-0.1	28.8
		Viento +Y exc.+	-10.8	-4.0	14.4	-2.3	8.4	0.0	-10.8	-529.9	-260.3	-2.3	8.4	469.9
		Viento +Y exc.-	-9.0	-5.1	16.0	-3.0	9.3	-0.0	-9.0	-445.0	-213.8	-3.0	9.3	530.9
		Viento -Y exc.+	10.8	4.0	-14.4	2.3	-8.4	-0.0	10.8	529.9	260.3	2.3	-8.4	-469.9
		Viento -Y exc.-	9.0	5.1	-16.0	3.0	-9.3	0.0	9.0	445.0	213.8	3.0	-9.3	-530.9
P56 [56.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	231.0	-1.0	-23.5	-0.2	-12.0	0.0	231.0	13106	5859.2	-0.2	-12.0	-673.1
		Cargas muertas	178.3	-3.3	5.8	-1.7	4.7	0.0	178.3	10116	4547.4	-1.7	4.7	311.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	180.2	-0.8	-12.6	-0.1	-7.9	0.0	180.2	10223	4575.8	-0.1	-7.9	-447.2
		Viento +X exc.+	0.1	5.7	0.2	3.6	0.1	-0.0	0.1	12.3	3.2	3.6	0.1	-85.6
		Viento +X exc.-	0.1	5.8	0.1	3.6	0.1	0.0	0.1	13.7	3.7	3.6	0.1	-88.7
		Viento -X exc.+	-0.1	-5.7	-0.2	-3.6	-0.1	0.0	-0.1	-12.3	-3.2	-3.6	-0.1	85.6
		Viento -X exc.-	-0.1	-5.8	-0.1	-3.6	-0.1	0.0	-0.1	-13.7	-3.7	-3.6	-0.1	88.7
		Viento +Y exc.+	-4.6	0.9	16.7	0.6	9.4	0.0	-4.6	-262.4	-101.5	0.6	9.4	517.9
		Viento +Y exc.-	-5.0	-0.4	17.9	-0.2	10.0	-0.0	-5.0	-285.2	-109.9	-0.2	10.0	572.5
		Viento -Y exc.+	4.6	-0.9	-16.7	-0.6	-9.4	-0.0	4.6	262.4	101.5	-0.6	-9.4	-517.9
		Viento -Y exc.-	5.0	0.4	-17.9	0.2	-10.0	0.0	5.0	285.2	109.9	0.2	-10.0	-572.5
P57 [64.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	238.3	0.4	-22.3	0.4	-12.4	0.0	238.3	15430	6047.0	0.4	-12.4	-812.2
		Cargas muertas	186.3	0.5	5.5	0.4	3.9	0.0	186.3	12060	4749.0	0.4	3.9	244.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	184.8	0.9	-13.3	0.6	-8.8	0.0	184.8	11964	4692.4	0.6	-8.8	-585.8
		Viento +X exc.+	-0.3	5.1	-0.1	3.3	-0.0	-0.0	-0.3	-14.1	-7.6	3.3	-0.0	-84.3
		Viento +X exc.-	-0.3	5.2	-0.1	3.3	-0.0	0.0	-0.3	-13.9	-7.6	3.3	-0.0	-85.9
		Viento -X exc.+	0.3	-5.1	0.1	-3.3	0.0	0.0	0.3	14.1	7.6	-3.3	0.0	84.3
		Viento -X exc.-	0.3	-5.2	0.1	-3.3	0.0	0.0	0.3	13.9	7.6	-3.3	0.0	85.9
		Viento +Y exc.+	-6.4	-0.3	16.2	-0.1	9.5	0.0	-6.4	-415.4	-147.1	-0.1	9.5	615.1
		Viento +Y exc.-	-6.4	-1.5	16.7	-0.9	9.6	-0.0	-6.4	-418.2	-147.2	-0.9	9.6	644.5
		Viento -Y exc.+	6.4	0.3	-16.2	0.1	-9.5	-0.0	6.4	415.4	147.1	0.1	-9.5	-615.1
		Viento -Y exc.-	6.4	1.5	-16.7	0.9	-9.6	0.0	6.4	418.2	147.2	0.9	-9.6	-644.5
P58 [72.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	237.2	1.3	-22.6	1.0	-12.5	0.0	237.2	17254	6017.4	1.0	-12.5	-933.8
		Cargas muertas	185.6	0.4	5.3	0.3	3.8	0.0	185.6	13498	4730.7	0.3	3.8	271.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	185.4	0.8	-13.5	0.5	-9.0	0.0	185.4	13485	4707.4	0.5	-9.0	-664.8
		Viento +X exc.+	0.1	5.1	-0.1	3.3	-0.1	-0.0	0.1	9.6	1.4	3.3	-0.1	-87.6
		Viento +X exc.-	0.0	5.2	-0.1	3.3	-0.0	0.0	0.0	8.6	1.1	3.3	-0.0	-87.3
		Viento -X exc.+	-0.1	-5.1	0.1	-3.3	0.1	0.0	-0.1	-9.6	-1.4	-3.3	0.1	87.6
		Viento -X exc.-	-0.0	-5.2	0.1	-3.3	0.0	0.0	-0.0	-8.6	-1.1	-3.3	0.0	87.3
		Viento +Y exc.+	-5.7	-0.1	16.1	0.0	9.5	0.0	-5.7	-413.9	-128.7	0.0	9.5	687.9
		Viento +Y exc.-	-5.5	-1.3	15.8	-0.7	9.1	-0.0	-5.5	-397.8	-123.0	-0.7	9.1	684.2
		Viento -Y exc.+	5.7	0.1	-16.1	-0.0	-9.5	-0.0	5.7	413.9	128.7	-0.0	-9.5	-687.9
		Viento -Y exc.-	5.5	1.3	-15.8	0.7	-9.1	0.0	5.5	397.8	123.0	0.7	-9.1	-684.2
P59 [80.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	241.3	0.1	-24.0	0.0	-13.3	0.0	241.3	19481	6120.2	0.0	-13.3	-1073
		Cargas muertas	186.8	0.4	4.8	0.3	3.5	0.0	186.8	15082	4761.7	0.3	3.5	279.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	186.3	0.6	-13.9	0.4	-9.2	0.0	186.3	15039	4729.2	0.4	-9.2	-752.8
		Viento +X exc.+	0.1	5.2	-0.1	3.3	-0.1	-0.0	0.1	13.0	2.3	3.3	-0.1	-91.0
		Viento +X exc.-	0.1	5.3	-0.1	3.4	-0.0	0.0	0.1	10.3	1.5	3.4	-0.0	-88.2
		Viento -X exc.+	-0.1	-5.2	0.1	-3.3	0.1	0.0	-0.1	-13.0	-2.3	-3.3	0.1	91.0
		Viento -X exc.-	-0.1	-5.3	0.1	-3.4	0.0	0.0	-0.1	-10.3	-1.5	-3.4	0.0	88.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-6.2	0.0	16.1	0.1	9.6	0.0	-6.2	-500.6	-141.8	0.1	9.6	768.0
		Viento +Y exc.-	-5.6	-1.2	15.0	-0.7	8.8	-0.0	-5.6	-455.1	-128.1	-0.7	8.8	723.4
		Viento -Y exc.+	6.2	-0.0	-16.1	-0.1	-9.6	-0.0	6.2	500.6	141.8	-0.1	-9.6	-768.0
		Viento -Y exc.-	5.6	1.2	-15.0	0.7	-8.8	0.0	5.6	455.1	128.1	0.7	-8.8	-723.4
P60 [88.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	239.4	1.8	-26.3	0.7	-14.0	0.0	239.4	21249	6070.9	0.7	-14.0	-1263
		Cargas muertas	186.3	1.0	3.8	0.4	3.2	0.0	186.3	16532	4747.5	0.4	3.2	273.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	185.8	1.2	-14.6	0.5	-9.5	0.0	185.8	16487	4716.3	0.5	-9.5	-852.0
		Viento +X exc.+	0.0	5.5	-0.3	3.4	-0.1	-0.0	0.0	6.6	-0.0	3.4	-0.1	-99.6
		Viento +X exc.-	-0.0	5.5	-0.2	3.4	-0.1	0.0	-0.0	2.3	-1.2	3.4	-0.1	-93.9
		Viento -X exc.+	-0.0	-5.5	0.3	-3.4	0.1	0.0	-0.0	-6.6	0.0	-3.4	0.1	99.6
		Viento -X exc.-	0.0	-5.5	0.2	-3.4	0.1	0.0	0.0	-2.3	1.2	-3.4	0.1	93.9
		Viento +Y exc.+	-5.9	-0.6	16.9	-0.1	9.8	0.0	-5.9	-522.3	-132.8	-0.1	9.8	875.1
		Viento +Y exc.-	-5.0	-1.8	14.9	-0.9	8.5	-0.0	-5.0	-449.0	-113.4	-0.9	8.5	779.8
		Viento -Y exc.+	5.9	0.6	-16.9	0.1	-9.8	-0.0	5.9	522.3	132.8	0.1	-9.8	-875.1
		Viento -Y exc.-	5.0	1.8	-14.9	0.9	-8.5	0.0	5.0	449.0	113.4	0.9	-8.5	-779.8
P61 [96.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	240.7	1.7	-26.2	0.7	-14.1	0.0	240.7	23290	6104.0	0.7	-14.1	-1381
		Cargas muertas	186.7	0.5	3.8	0.2	3.2	0.0	186.7	18058	4757.3	0.2	3.2	309.7
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	186.7	0.6	-14.9	0.1	-9.6	0.0	186.7	18062	4739.6	0.1	-9.6	-929.0
		Viento +X exc.+	0.3	5.5	-0.4	3.4	-0.2	-0.0	0.3	31.8	6.5	3.4	-0.2	-103.2
		Viento +X exc.-	0.2	5.5	-0.2	3.4	-0.1	0.0	0.2	25.0	4.9	3.4	-0.1	-93.6
		Viento -X exc.+	-0.3	-5.5	0.4	-3.4	0.2	0.0	-0.3	-31.8	-6.5	-3.4	0.2	103.2
		Viento -X exc.-	-0.2	-5.5	0.2	-3.4	0.1	0.0	-0.2	-25.0	-4.9	-3.4	0.1	93.6
		Viento +Y exc.+	-6.3	-0.3	17.6	0.1	10.2	0.0	-6.3	-609.9	-142.9	0.1	10.2	981.7
		Viento +Y exc.-	-5.1	-1.5	14.6	-0.7	8.3	-0.0	-5.1	-497.2	-115.9	-0.7	8.3	821.6
		Viento -Y exc.+	6.3	0.3	-17.6	-0.1	-10.2	-0.0	6.3	609.9	142.9	-0.1	-10.2	-981.7
		Viento -Y exc.-	5.1	1.5	-14.6	0.7	-8.3	0.0	5.1	497.2	115.9	0.7	-8.3	-821.6
P62 [104.738;25.465;0.0 grados] (40x40)	28.60/31.85	Peso propio	231.9	1.4	-24.4	0.6	-12.8	0.0	231.9	24295	5882.0	0.6	-12.8	-1356
		Cargas muertas	186.5	0.6	2.8	0.2	2.5	0.0	186.5	19533	4751.8	0.2	2.5	252.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	184.7	0.6	-13.4	0.3	-8.5	0.0	184.7	19346	4689.9	0.3	-8.5	-899.4
		Viento +X exc.+	0.0	4.5	-0.4	2.5	-0.2	-0.0	0.0	8.0	0.5	2.5	-0.2	-82.1
		Viento +X exc.-	-0.1	4.6	-0.2	2.5	-0.1	0.0	-0.1	-0.9	-1.5	2.5	-0.1	-69.9
		Viento -X exc.+	-0.0	-4.5	0.4	-2.5	0.2	0.0	-0.0	-8.0	-0.5	-2.5	0.2	82.1
		Viento -X exc.-	0.1	-4.6	0.2	-2.5	0.1	0.0	0.1	0.9	1.5	-2.5	0.1	69.9
		Viento +Y exc.+	-5.4	0.1	16.1	0.1	9.0	0.0	-5.4	-565.5	-121.4	0.1	9.0	943.7
		Viento +Y exc.-	-3.9	-1.0	12.5	-0.5	6.9	-0.0	-3.9	-413.0	-87.6	-0.5	6.9	738.7
		Viento -Y exc.+	5.4	-0.1	-16.1	-0.1	-9.0	-0.0	5.4	565.5	121.4	-0.1	-9.0	-943.7
		Viento -Y exc.-	3.9	1.0	-12.5	0.5	-6.9	0.0	3.9	413.0	87.6	0.5	-6.9	-738.7
P63 [112.738;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	249.6	-2.7	-26.5	-2.4	-14.3	0.0	249.6	28132	6328.4	-2.4	-14.3	-1554
		Cargas muertas	184.9	0.7	4.0	0.5	3.4	0.0	184.9	20848	4712.9	0.5	3.4	371.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.7
		Sobrecarga de uso	198.2	-2.0	-14.8	-2.1	-9.8	0.0	198.2	22345	5032.9	-2.1	-9.8	-1051
		Viento +X exc.+	-0.2	5.4	-0.5	3.3	-0.2	-0.0	-0.2	-13.5	-4.8	3.3	-0.2	-112.9
		Viento +X exc.-	-0.3	5.5	-0.2	3.4	-0.1	0.0	-0.3	-24.5	-7.0	3.4	-0.1	-95.7
		Viento -X exc.+	0.2	-5.4	0.5	-3.3	0.2	0.0	0.2	13.5	4.8	-3.3	0.2	112.9
		Viento -X exc.-	0.3	-5.5	0.2	-3.4	0.1	0.0	0.3	24.5	7.0	-3.4	0.1	95.7
		Viento +Y exc.+	-5.5	-0.3	16.7	0.1	9.9	0.0	-5.5	-619.1	-123.0	0.1	9.9	1119.4
		Viento +Y exc.-	-3.8	-1.4	12.4	-0.7	7.2	-0.0	-3.8	-428.5	-84.1	-0.7	7.2	830.1
		Viento -Y exc.+	5.5	0.3	-16.7	-0.1	-9.9	-0.0	5.5	619.1	123.0	-0.1	-9.9	-1119
		Viento -Y exc.-	3.8	1.4	-12.4	0.7	-7.2	0.0	3.8	428.5	84.1	0.7	-7.2	-830.1
P64 [120.788;25.465;0.0 grados] (50x40)	28.60/31.85	Peso propio	174.2	37.9	-20.8	22.2	-11.6	0.0	174.2	21080	4415.4	22.2	-11.6	-1963
		Cargas muertas	181.6	5.3	-1.6	1.9	0.3	0.0	181.6	21941	4623.0	1.9	0.3	-18.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.0	0.2	0.0	-0.0	-0.8
		Sobrecarga de uso	130.0	20.8	-11.2	14.4	-7.6	0.0	130.0	15724	3299.5	14.4	-7.6	-1286
		Viento +X exc.+	1.2	3.4	-0.8	2.4	-0.4	-0.0	1.2	149.5	30.0	2.4	-0.4	-110.0
		Viento +X exc.-	1.1	3.4	-0.5	2.5	-0.2	0.0	1.1	141.6	28.6	2.5	-0.2	-89.5
		Viento -X exc.+	-1.2	-3.4	0.8	-2.4	0.4	0.0	-1.2	-149.5	-30.0	-2.4	0.4	110.0
		Viento -X exc.-	-1.1	-3.4	0.5	-2.5	0.2	0.0	-1.1	-141.6	-28.6	-2.5	0.2	89.5
		Viento +Y exc.+	-4.1	-0.8	15.1	-0.3	9.2	0.0	-4.1	-491.4	-88.3	-0.3	9.2	1114.4
		Viento +Y exc.-	-3.0	-1.4	10.4	-0.8	6.2	-0.0	-3.0	-358.1	-64.8	-0.8	6.2	770.8
		Viento -Y exc.+	4.1	0.8	-15.1	0.3	-9.2	-0.0	4.1	491.4	88.3	0.3	-9.2	-1114
		Viento -Y exc.-	3.0	1.4	-10.4	0.8	-6.2	0.0	3.0	358.1	64.8	0.8	-6.2	-770.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	28.60/31.85	Peso propio	373.3	0.6	59.1	2.1	55.3	0.0	373.3	12220	11990	2.1	55.3	1744.1
		Cargas muertas	170.0	1.7	38.0	-0.3	35.8	0.0	170.0	5566.1	5471.0	-0.3	35.8	1182.2
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.3	0.0	-0.0	-0.2
		Sobrecarga de uso	276.4	-0.2	39.2	-1.3	37.0	0.0	276.4	9048.1	8873.8	-1.3	37.0	1252.0
		Viento +X exc.+	0.8	9.3	2.2	7.6	1.8	-0.0	0.8	37.0	29.3	7.6	1.8	-183.5
		Viento +X exc.-	1.6	9.3	1.5	7.6	1.2	-0.0	1.6	62.7	53.6	7.6	1.2	-201.7
		Viento -X exc.+	-0.8	-9.3	-2.2	-7.6	-1.8	0.0	-0.8	-37.0	-29.3	-7.6	-1.8	183.5
		Viento -X exc.-	-1.6	-9.3	-1.5	-7.6	-1.2	0.0	-1.6	-62.7	-53.6	-7.6	-1.2	201.7
		Viento +Y exc.+	-62.8	4.6	61.0	2.3	43.9	0.0	-62.8	-2053	-1948	2.3	43.9	1364.0
		Viento +Y exc.-	-76.9	4.8	74.1	2.2	53.4	-0.1	-76.9	-2512	-2384	2.2	53.4	1679.2
		Viento -Y exc.+	62.8	-4.6	-61.0	-2.3	-43.9	-0.0	62.8	2052.7	1947.7	-2.3	-43.9	-1364
		Viento -Y exc.-	76.9	-4.8	-74.1	-2.2	-53.4	0.1	76.9	2512.2	2383.5	-2.2	-53.4	-1679
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	28.60/31.85	Peso propio	412.0	6.0	61.0	3.9	57.5	0.0	412.0	16788	13229	3.9	57.5	2215.3
		Cargas muertas	189.4	1.3	39.1	3.0	37.2	0.0	189.4	7717.3	6093.5	3.0	37.2	1418.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.3	0.0	-0.0	-0.3
		Sobrecarga de uso	286.3	2.9	39.5	3.4	37.5	0.0	286.3	11665	9190.2	3.4	37.5	1417.1
		Viento +X exc.+	-2.0	9.5	-0.4	7.8	-0.4	-0.0	-2.0	-73.0	-65.1	7.8	-0.4	-268.1
		Viento +X exc.-	-1.5	9.6	-1.0	7.9	-0.9	-0.0	-1.5	-51.8	-49.2	7.9	-0.9	-288.3
		Viento -X exc.+	2.0	-9.5	0.4	-7.8	0.4	0.0	2.0	73.0	65.1	-7.8	0.4	268.1
		Viento -X exc.-	1.5	-9.6	1.0	-7.9	0.9	0.0	1.5	51.8	49.2	-7.9	0.9	288.3
		Viento +Y exc.+	-66.9	-4.2	59.3	-1.4	43.6	0.0	-66.9	-2731	-2080	-1.4	43.6	1820.0
		Viento +Y exc.-	-75.2	-6.5	69.3	-3.2	50.7	-0.1	-75.2	-3072	-2336	-3.2	50.7	2169.4
		Viento -Y exc.+	66.9	4.2	-59.3	1.4	-43.6	-0.0	66.9	2731.2	2080.4	1.4	-43.6	-1820
		Viento -Y exc.-	75.2	6.5	-69.3	3.2	-50.7	0.1	75.2	3071.9	2336.0	3.2	-50.7	-2169
P121 [29.588;25.415;0.0 grados] (40x40)	28.60/31.85	Peso propio	347.6	-57.4	5.2	-29.9	4.2	0.0	347.6	10227	8838.7	-29.9	4.2	883.3
		Cargas muertas	115.6	-63.6	22.5	-30.7	17.6	0.0	115.6	3357.2	2960.8	-30.7	17.6	1301.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
		Sobrecarga de uso	193.6	-31.9	-0.3	-16.4	-0.6	0.0	193.6	5695.1	4919.0	-16.4	-0.6	400.4
		Viento +X exc.+	-19.2	3.7	2.0	2.3	1.1	-0.0	-19.2	-564.5	-486.1	2.3	1.1	-24.4
		Viento +X exc.-	-19.4	3.7	1.8	2.3	1.1	0.0	-19.4	-571.6	-492.3	2.3	1.1	-27.4
		Viento -X exc.+	19.2	-3.7	-2.0	-2.3	-1.1	0.0	19.2	564.5	486.1	-2.3	-1.1	24.4
		Viento -X exc.-	19.4	-3.7	-1.8	-2.3	-1.1	0.0	19.4	571.6	492.3	-2.3	-1.1	27.4
		Viento +Y exc.+	-9.6	2.0	12.1	1.1	7.7	0.0	-9.6	-282.7	-232.4	1.1	7.7	199.3
		Viento +Y exc.-	-5.5	1.5	14.2	0.8	9.2	-0.0	-5.5	-160.1	-124.6	0.8	9.2	251.5
		Viento -Y exc.+	9.6	-2.0	-12.1	-1.1	-7.7	-0.0	9.6	282.7	232.4	-1.1	-7.7	-199.3
		Viento -Y exc.-	5.5	-1.5	-14.2	-0.8	-9.2	0.0	5.5	160.1	124.6	-0.8	-9.2	-251.5
P122 [43.888;25.415;0.0 grados] (40x40)	28.60/31.85	Peso propio	336.2	55.2	10.0	29.2	6.3	0.0	336.2	14810	8554.4	29.2	6.3	-465.9
		Cargas muertas	105.9	62.9	22.6	30.5	18.1	0.0	105.9	4711.4	2714.5	30.5	18.1	18.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	185.1	30.9	1.2	16.2	0.2	0.0	185.1	8152.5	4704.4	16.2	0.2	-403.9
		Viento +X exc.+	17.4	3.6	-1.1	2.3	-0.7	-0.0	17.4	766.1	440.4	2.3	-0.7	-88.1
		Viento +X exc.-	17.7	3.7	-1.3	2.3	-0.8	0.0	17.7	780.1	448.4	2.3	-0.8	-92.6
		Viento -X exc.+	-17.4	-3.6	1.1	-2.3	0.7	0.0	-17.4	-766.1	-440.4	-2.3	0.7	88.1
		Viento -X exc.-	-17.7	-3.7	1.3	-2.3	0.8	0.0	-17.7	-780.1	-448.4	-2.3	0.8	92.6
		Viento +Y exc.+	0.5	-2.0	11.2	-1.0	7.3	0.0	0.5	19.5	23.7	-1.0	7.3	347.4
		Viento +Y exc.-	-4.9	-3.3	13.3	-1.8	8.6	-0.0	-4.9	-220.1	-112.2	-1.8	8.6	423.5
		Viento -Y exc.+	-0.5	2.0	-11.2	1.0	-7.3	-0.0	-0.5	-19.5	-23.7	1.0	-7.3	-347.4
		Viento -Y exc.-	4.9	3.3	-13.3	1.8	-8.6	0.0	4.9	220.1	112.2	1.8	-8.6	-423.5
M12 [32.588;36.528] (e=30.0 cm)	28.60/32.20	Peso propio	520.7	-14.4	213.2	-9.1	-37.7	4.7	520.7	16954	19233	-9.1	-37.7	-891.5
		Cargas muertas	184.8	-4.8	50.3	-3.3	-37.2	0.7	184.8	6016.2	6799.3	-3.3	-37.2	-1090
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-1.0	-1.1	-0.0	-0.0	-0.2
		Sobrecarga de uso	280.1	-11.5	166.1	-13.8	-30.1	3.1	280.1	9115.3	10396	-13.8	-30.1	-474.5
		Viento +X exc.+	5.7	8.5	-26.9	5.9	-8.3	2.2	5.7	193.9	180.9	5.9	-8.3	-486.1
		Viento +X exc.-	3.3	8.5	-19.6	6.0	-6.3	2.3	3.3	116.5	101.5	6.0	-6.3	-424.2
		Viento -X exc.+	-5.7	-8.5	26.9	-5.9	8.3	-2.2	-5.7	-193.9	-180.9	-5.9	8.3	486.1
		Viento -X exc.-	-3.3	-8.5	19.6	-6.0	6.3	-2.3	-3.3	-116.5	-101.5	-6.0	6.3	424.2
		Viento +Y exc.+	78.5	-3.9	-196.2	-7.0	-8.2	-2.9	78.5	2552.9	2669.7	-7.0	-8.2	-14.8
		Viento +Y exc.-	121.4	-4.3	-326.0	-8.6	-45.1	-4.7	121.4	3952.6	4109.4	-8.6	-45.1	-1162
		Viento -Y exc.+	-78.5	3.9	196.2	7.0	8.2	2.9	-78.5	-2553	-2670	7.0	8.2	14.8
		Viento -Y exc.-	-121.4	4.3	326.0	8.6	45.1	4.7	-121.4	-3953	-4109	8.6	45.1	1161.5
M15 [40.825;36.528] (e=30.0 cm)	28.60/32.20	Peso propio	467.6	12.0	222.7	4.4	-16.7	-2.1	467.6	19101	17302	4.4	-16.7	-845.2
		Cargas muertas	167.6	4.0	35.8	1.5	-34.5	0.7	167.6	6845.4	6157.0	1.5	-34.5	-1462
		H 1	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-1.4	-1.3	0.0	-0.0	-0.1
		Sobrecarga de uso	235.8	7.7	165.9	8.0	-15.5	-0.7	235.8	9633.6	8778.6	8.0	-15.5	-925.0





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. séptima +28.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=28.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-3.6	7.5	13.2	4.7	5.2	2.1	-3.6	-140.5	-119.2	4.7	5.2	39.6
		Viento +X exc.-	-4.4	7.5	14.5	4.7	5.0	2.2	-4.4	-172.7	-146.7	4.7	5.0	32.7
		Viento -X exc.+	3.6	-7.5	-13.2	-4.7	-5.2	-2.1	3.6	140.5	119.2	-4.7	-5.2	-39.6
		Viento -X exc.-	4.4	-7.5	-14.5	-4.7	-5.0	-2.2	4.4	172.7	146.7	-4.7	-5.0	-32.7
		Viento +Y exc.+	160.8	2.3	-429.8	5.2	-113.7	1.0	160.8	6565.0	5442.1	5.2	-113.7	-4830
		Viento +Y exc.-	172.5	3.0	-449.2	5.7	-108.0	-0.4	172.5	7043.8	5850.5	5.7	-108.0	-4616
		Viento -Y exc.+	-160.8	-2.3	429.8	-5.2	113.7	-1.0	-160.8	-6565	-5442	-5.2	113.7	4830.2
		Viento -Y exc.-	-172.5	-3.0	449.2	-5.7	108.0	0.4	-172.5	-7044	-5850	-5.7	108.0	4616.4
Sumatorio		Peso propio							18622	1117857	650258	0.6	13.7	476.8
		Cargas muertas							10209	620588	358993	0.2	11.1	399.4
		H 1							0.0	0.2	0.2	0.0	-0.0	-0.1
		Sobrecarga de uso							14506	881433	509916	0.7	6.1	194.2
		Viento +X exc.+							-0.1	1131.8	-1.7	246.5	-0.1	-8968
		Viento +X exc.-							0.2	1141.5	7.4	246.5	-0.1	-8563
		Viento -X exc.+							0.1	-1132	1.7	-246.5	0.1	8968.4
		Viento -X exc.-							-0.2	-1142	-7.4	-246.5	0.1	8563.2
		Viento +Y exc.+							-22.4	-836.8	2892.8	0.2	794.7	51707
		Viento +Y exc.-							-27.0	-1005	2736.6	0.1	794.3	44839
		Viento -Y exc.+							22.4	836.8	-2893	-0.2	-794.7	-51707
		Viento -Y exc.-							27.0	1004.6	-2737	-0.1	-794.3	-44839

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.688;45.015;0.0 grados] (Diámetro 50)	25.00/28.25	Peso propio	317.1	-36.0	33.0	-22.0	20.2	-0.0	317.1	182.2	14308	-22.0	20.2	1003.6
		Cargas muertas	325.8	-11.2	8.6	-6.7	5.0	0.0	325.8	212.9	14675	-6.7	5.0	306.9
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.0	-3.4	0.0	-0.0	-0.5
		Sobrecarga de uso	172.8	-11.4	11.1	-6.0	6.1	-0.0	172.8	107.5	7790.3	-6.0	6.1	275.4
		Viento +X exc.+	-3.2	5.3	0.4	4.1	0.3	-0.0	-3.2	3.1	-145.8	4.1	0.3	-184.2
		Viento +X exc.-	-3.6	5.2	-0.1	4.0	-0.1	0.0	-3.6	2.8	-160.5	4.0	-0.1	-181.7
		Viento -X exc.+	3.2	-5.3	-0.4	-4.1	-0.3	0.0	3.2	-3.1	145.8	-4.1	-0.3	184.2
		Viento -X exc.-	3.6	-5.2	0.1	-4.0	0.1	0.0	3.6	-2.8	160.5	-4.0	0.1	181.7
		Viento +Y exc.+	12.5	-0.3	20.0	-0.5	11.7	0.0	12.5	8.3	582.0	-0.5	11.7	30.3
		Viento +Y exc.-	17.9	1.2	29.2	0.6	18.2	-0.0	17.9	13.5	833.1	0.6	18.2	-13.9
		Viento -Y exc.+	-12.5	0.3	-20.0	0.5	-11.7	-0.0	-12.5	-8.3	-582.0	0.5	-11.7	-30.3
		Viento -Y exc.-	-17.9	-1.2	-29.2	-0.6	-18.2	0.0	-17.9	-13.5	-833.1	-0.6	-18.2	13.9
P2 [8.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	455.8	4.1	45.3	2.5	28.0	-0.0	455.8	3986.8	20575	2.5	28.0	132.0
		Cargas muertas	340.5	1.0	-1.5	0.7	-1.4	0.0	340.5	2976.5	15336	0.7	-1.4	-41.6
		H 1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.4	0.0	0.0	-0.4
		Sobrecarga de uso	262.4	0.7	15.8	0.2	9.0	-0.0	262.4	2293.8	11835	0.2	9.0	70.4
		Viento +X exc.+	0.9	10.0	0.7	7.1	0.5	-0.0	0.9	17.5	39.3	7.1	0.5	-314.3
		Viento +X exc.-	0.4	9.8	0.1	7.0	0.1	0.0	0.4	13.7	20.1	7.0	0.1	-313.0
		Viento -X exc.+	-0.9	-10.0	-0.7	-7.1	-0.5	0.0	-0.9	-17.5	-39.3	-7.1	-0.5	314.3
		Viento -X exc.-	-0.4	-9.8	-0.1	-7.0	-0.1	0.0	-0.4	-13.7	-20.1	-7.0	-0.1	313.0
		Viento +Y exc.+	18.0	-0.8	24.7	-0.8	15.1	0.0	18.0	156.9	837.1	-0.8	15.1	167.2
		Viento +Y exc.-	25.3	1.9	34.7	1.1	22.0	-0.0	25.3	223.4	1176.3	1.1	22.0	143.9
		Viento -Y exc.+	-18.0	0.8	-24.7	0.8	-15.1	-0.0	-18.0	-156.9	-837.1	0.8	-15.1	-167.2
		Viento -Y exc.-	-25.3	-1.9	-34.7	-1.1	-22.0	0.0	-25.3	-223.4	-1176	-1.1	-22.0	-143.9
P3 [16.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	440.3	0.8	45.0	0.6	27.8	-0.0	440.3	7370.4	19876	0.6	27.8	438.9
		Cargas muertas	343.0	0.5	-1.6	0.3	-1.5	0.0	343.0	5742.3	15449	0.3	-1.5	-38.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.2
		Sobrecarga de uso	248.7	0.7	16.2	0.5	9.3	-0.0	248.7	4163.3	11217	0.5	9.3	132.7
		Viento +X exc.+	0.5	9.7	0.6	6.9	0.4	-0.0	0.5	18.5	24.3	6.9	0.4	-303.4
		Viento +X exc.-	0.2	9.5	0.1	6.8	0.1	0.0	0.2	13.0	9.4	6.8	0.1	-304.3
		Viento -X exc.+	-0.5	-9.7	-0.6	-6.9	-0.4	0.0	-0.5	-18.5	-24.3	-6.9	-0.4	303.4
		Viento -X exc.-	-0.2	-9.5	-0.1	-6.8	-0.1	0.0	-0.2	-13.0	-9.4	-6.8	-0.1	304.3
		Viento +Y exc.+	15.4	-0.7	25.0	-0.8	15.5	0.0	15.4	256.9	718.3	-0.8	15.5	295.8
		Viento +Y exc.-	20.9	2.0	33.6	1.1	21.5	-0.0	20.9	352.0	975.4	1.1	21.5	310.3
		Viento -Y exc.+	-15.4	0.7	-25.0	0.8	-15.5	-0.0	-15.4	-256.9	-718.3	0.8	-15.5	-295.8
		Viento -Y exc.-	-20.9	-2.0	-33.6	-1.1	-21.5	0.0	-20.9	-352.0	-975.4	-1.1	-21.5	-310.3
P4 [24.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	444.9	2.5	44.7	1.6	27.7	-0.0	444.9	11009	20085	1.6	27.7	612.8
		Cargas muertas	344.7	0.7	-1.6	0.5	-1.4	0.0	344.7	8528.0	15524	0.5	-1.4	-55.8





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.0	0.0	0.3
		Sobrecarga de uso	254.0	0.6	15.5	0.3	8.8	-0.0	254.0	6283.9	11455	0.3	8.8	201.7
		Viento +X exc.+	0.2	9.8	0.5	7.0	0.4	-0.0	0.2	13.6	7.4	7.0	0.4	-305.1
		Viento +X exc.-	-0.2	9.7	0.1	6.9	0.1	0.0	-0.2	5.2	-8.1	6.9	0.1	-308.0
		Viento -X exc.+	-0.2	-9.8	-0.5	-7.0	-0.4	0.0	-0.2	-13.6	-7.4	-7.0	-0.4	305.1
		Viento -X exc.-	0.2	-9.7	-0.1	-6.9	-0.1	0.0	0.2	-5.2	8.1	-6.9	-0.1	308.0
		Viento +Y exc.+	20.7	-1.7	26.4	-1.4	16.7	0.0	20.7	510.2	958.5	-1.4	16.7	476.9
		Viento +Y exc.-	26.4	0.7	33.9	0.3	21.7	-0.0	26.4	652.7	1220.9	0.3	21.7	524.8
		Viento -Y exc.+	-20.7	1.7	-26.4	1.4	-16.7	-0.0	-20.7	-510.2	-958.5	1.4	-16.7	-476.9
		Viento -Y exc.-	-26.4	-0.7	-33.9	-0.3	-21.7	0.0	-26.4	-652.7	-1221	-0.3	-21.7	-524.8
P5 [32.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	425.6	0.8	33.4	0.6	20.5	-0.0	425.6	13935	19204	0.6	20.5	643.7
		Cargas muertas	338.1	0.0	-6.1	0.1	-4.3	0.0	338.1	11070	15223	0.1	-4.3	-143.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	0.0	0.0	0.4
		Sobrecarga de uso	244.8	0.4	10.3	0.3	5.6	-0.0	244.8	8014.0	11035	0.3	5.6	168.9
		Viento +X exc.+	0.9	9.8	0.6	6.9	0.4	-0.0	0.9	38.8	40.5	6.9	0.4	-300.1
		Viento +X exc.-	0.3	9.6	0.1	6.8	0.1	0.0	0.3	20.8	15.5	6.8	0.1	-305.5
		Viento -X exc.+	-0.9	-9.8	-0.6	-6.9	-0.4	0.0	-0.9	-38.8	-40.5	-6.9	-0.4	300.1
		Viento -X exc.-	-0.3	-9.6	-0.1	-6.8	-0.1	0.0	-0.3	-20.8	-15.5	-6.8	-0.1	305.5
		Viento +Y exc.+	42.1	-2.1	35.1	-1.7	22.4	0.0	42.1	1374.9	1929.5	-1.7	22.4	809.6
		Viento +Y exc.-	51.7	0.3	43.0	-0.0	27.5	-0.0	51.7	1692.0	2370.3	-0.0	27.5	901.1
P6 [40.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	415.6	2.1	32.5	1.2	20.0	-0.0	415.6	16933	18751	1.2	20.0	758.9
		Cargas muertas	332.8	0.8	-6.3	0.5	-4.4	0.0	332.8	13557	14981	0.5	-4.4	-199.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.1	0.0	0.0	0.5
		Sobrecarga de uso	239.2	0.3	10.0	0.1	5.4	-0.0	239.2	9744.2	10783	0.1	5.4	216.2
		Viento +X exc.+	-0.0	10.0	0.3	7.1	0.2	-0.0	-0.0	8.6	-1.3	7.1	0.2	-310.3
		Viento +X exc.-	-0.4	9.8	-0.1	7.0	-0.0	0.0	-0.4	-6.5	-18.1	7.0	-0.0	-314.1
		Viento -X exc.+	0.0	-10.0	-0.3	-7.1	-0.2	0.0	0.0	-8.6	1.3	-7.1	-0.2	310.3
		Viento -X exc.-	0.4	-9.8	0.1	-7.0	0.0	0.0	0.4	6.5	18.1	-7.0	0.0	314.1
		Viento +Y exc.+	42.1	-0.4	35.4	-0.6	22.9	0.0	42.1	1713.8	1930.7	-0.6	22.9	957.4
		Viento +Y exc.-	48.1	2.3	41.3	1.4	26.6	-0.0	48.1	1960.3	2206.0	1.4	26.6	1022.7
P7 [48.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	476.3	-23.0	47.3	-14.4	29.3	-0.0	476.3	23189	21498	-14.4	29.3	2073.7
		Cargas muertas	351.3	-9.8	0.2	-6.1	-0.3	0.0	351.3	17113	15823	-6.1	-0.3	258.6
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.0	0.0	0.5
		Sobrecarga de uso	262.6	-6.0	15.3	-3.5	8.6	-0.0	262.6	12791	11842	-3.5	8.6	577.9
		Viento +X exc.+	1.5	7.6	0.2	5.6	0.1	-0.0	1.5	78.9	66.2	5.6	0.1	-245.9
		Viento +X exc.-	1.4	7.4	0.1	5.5	0.0	0.0	1.4	73.5	61.1	5.5	0.0	-246.9
		Viento -X exc.+	-1.5	-7.6	-0.2	-5.6	-0.1	0.0	-1.5	-78.9	-66.2	-5.6	-0.1	245.9
		Viento -X exc.-	-1.4	-7.4	-0.1	-5.5	-0.0	0.0	-1.4	-73.5	-61.1	-5.5	-0.0	246.9
		Viento +Y exc.+	21.8	-0.4	27.2	-0.7	18.0	0.0	21.8	1061.3	1008.3	-0.7	18.0	908.0
		Viento +Y exc.-	23.8	1.8	30.1	0.9	19.8	-0.0	23.8	1159.3	1099.8	0.9	19.8	924.2
P8 [56.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	438.5	2.0	40.5	1.2	24.9	-0.0	438.5	24883	19791	1.2	24.9	1359.8
		Cargas muertas	340.5	-1.1	-2.8	-0.8	-2.2	0.0	340.5	19319	15334	-0.8	-2.2	-91.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	0.0	0.0	0.6
		Sobrecarga de uso	250.7	0.0	13.9	-0.1	7.7	-0.0	250.7	14222	11304	-0.1	7.7	442.2
		Viento +X exc.+	-0.5	9.8	0.1	7.0	0.1	-0.0	-0.5	-19.0	-22.7	7.0	0.1	-309.8
		Viento +X exc.-	-0.5	9.7	0.1	6.9	0.0	0.0	-0.5	-20.6	-24.0	6.9	0.0	-307.5
		Viento -X exc.+	0.5	-9.8	-0.1	-7.0	-0.1	0.0	0.5	19.0	22.7	-7.0	-0.1	309.8
		Viento -X exc.-	0.5	-9.7	-0.1	-6.9	-0.0	0.0	0.5	20.6	24.0	-6.9	-0.0	307.5
		Viento +Y exc.+	19.3	-1.1	25.7	-1.0	17.4	0.0	19.3	1094.8	895.6	-1.0	17.4	1035.7
		Viento +Y exc.-	20.0	1.4	27.1	0.7	18.1	-0.0	20.0	1137.5	928.9	0.7	18.1	992.5
P9 [64.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	439.4	0.3	40.2	0.2	24.8	-0.0	439.4	28447	19831	0.2	24.8	1594.4
		Cargas muertas	343.4	-0.1	-2.1	-0.0	-1.7	0.0	343.4	22232	15465	-0.0	-1.7	-111.8
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	0.0	0.0	0.7
		Sobrecarga de uso	252.4	0.1	14.5	0.1	8.2	-0.0	252.4	16343	11384	0.1	8.2	529.4
		Viento +X exc.+	-0.2	9.5	0.1	6.7	0.1	-0.0	-0.2	-0.5	-6.9	6.7	0.1	-299.5
		Viento +X exc.-	-0.1	9.3	0.1	6.6	0.1	0.0	-0.1	-0.2	-6.5	6.6	0.1	-293.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	0.2	-9.5	-0.1	-6.7	-0.1	0.0	0.2	0.5	6.9	-6.7	-0.1	299.5
		Viento -X exc.-	0.1	-9.3	-0.1	-6.6	-0.1	0.0	0.1	0.2	6.5	-6.6	-0.1	293.7
		Viento +Y exc.+	18.2	-1.0	25.6	-1.0	17.7	0.0	18.2	1176.2	844.6	-1.0	17.7	1189.9
		Viento +Y exc.-	18.0	1.5	25.7	0.8	17.3	-0.0	18.0	1165.3	835.3	0.8	17.3	1087.0
		Viento -Y exc.+	-18.2	1.0	-25.6	1.0	-17.7	-0.0	-18.2	-1176	-844.6	1.0	-17.7	-1190
		Viento -Y exc.-	-18.0	-1.5	-25.7	-0.8	-17.3	0.0	-18.0	-1165	-835.3	-0.8	-17.3	-1087
P10 [72.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	441.1	1.3	40.1	0.8	24.7	-0.0	441.1	32083	19905	0.8	24.7	1763.2
		Cargas muertas	344.5	0.5	-2.3	0.3	-1.9	0.0	344.5	25056	15512	0.3	-1.9	-152.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	0.0	0.0	0.8
		Sobrecarga de uso	253.8	0.5	13.9	0.3	7.8	-0.0	253.8	18463	11446	0.3	7.8	554.5
		Viento +X exc.+	0.1	9.6	0.1	6.8	0.1	-0.0	0.1	13.6	2.6	6.8	0.1	-302.3
		Viento +X exc.-	0.1	9.5	0.2	6.7	0.2	0.0	0.1	17.7	5.3	6.7	0.2	-292.2
		Viento -X exc.+	-0.1	-9.6	-0.1	-6.8	-0.1	0.0	-0.1	-13.6	-2.6	-6.8	-0.1	302.3
		Viento -X exc.-	-0.1	-9.5	-0.2	-6.7	-0.2	0.0	-0.1	-17.7	-5.3	-6.7	-0.2	292.2
		Viento +Y exc.+	20.3	-1.0	25.9	-1.0	18.2	0.0	20.3	1476.0	940.5	-1.0	18.2	1367.2
		Viento +Y exc.-	19.1	1.5	24.6	0.8	16.8	-0.0	19.1	1392.3	885.9	0.8	16.8	1189.4
		Viento -Y exc.+	-20.3	1.0	-25.9	1.0	-18.2	-0.0	-20.3	-1476	-940.5	1.0	-18.2	-1367
		Viento -Y exc.-	-19.1	-1.5	-24.6	-0.8	-16.8	0.0	-19.1	-1392	-885.9	-0.8	-16.8	-1189
P11 [80.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	439.6	0.8	40.0	0.6	24.7	-0.0	439.6	35492	19838	0.6	24.7	1967.0
		Cargas muertas	344.1	0.1	-2.0	0.1	-1.7	0.0	344.1	27779	15494	0.1	-1.7	-141.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.9	0.0	0.0	0.9
		Sobrecarga de uso	253.1	0.2	14.2	0.1	8.0	-0.0	253.1	20431	11412	0.1	8.0	644.2
		Viento +X exc.+	0.0	9.6	0.1	6.8	0.0	-0.0	0.0	12.1	1.5	6.8	0.0	-304.3
		Viento +X exc.-	0.1	9.4	0.2	6.7	0.2	0.0	0.1	21.2	6.8	6.7	0.2	-288.9
		Viento -X exc.+	-0.0	-9.6	-0.1	-6.8	-0.0	0.0	-0.0	-12.1	-1.5	-6.8	-0.0	304.3
		Viento -X exc.-	-0.1	-9.4	-0.2	-6.7	-0.2	0.0	-0.1	-21.2	-6.8	-6.7	-0.2	288.9
		Viento +Y exc.+	18.7	-1.1	26.1	-1.0	18.6	0.0	18.7	1506.7	867.2	-1.0	18.6	1549.0
		Viento +Y exc.-	16.6	1.5	23.5	0.8	16.3	-0.0	16.6	1339.4	769.9	0.8	16.3	1278.8
		Viento -Y exc.+	-18.7	1.1	-26.1	1.0	-18.6	-0.0	-18.7	-1507	-867.2	1.0	-18.6	-1549
		Viento -Y exc.-	-16.6	-1.5	-23.5	-0.8	-16.3	0.0	-16.6	-1339	-769.9	-0.8	-16.3	-1279
P12 [88.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	442.4	3.2	39.3	2.1	24.2	-0.0	442.4	39262	19966	2.1	24.2	2056.0
		Cargas muertas	344.4	2.0	-2.4	1.3	-1.9	0.0	344.4	30565	15510	1.3	-1.9	-229.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.9	0.0	0.0	1.0
		Sobrecarga de uso	253.5	1.0	13.6	0.6	7.6	-0.0	253.5	22498	11432	0.6	7.6	646.2
		Viento +X exc.+	-0.2	9.8	-0.1	7.0	-0.1	-0.0	-0.2	-5.0	-7.6	7.0	-0.1	-320.6
		Viento +X exc.-	0.0	9.7	0.1	6.9	0.1	0.0	0.0	10.8	0.7	6.9	0.1	-298.7
		Viento -X exc.+	0.2	-9.8	0.1	-7.0	0.1	0.0	0.2	5.0	7.6	-7.0	0.1	320.6
		Viento -X exc.-	-0.0	-9.7	-0.1	-6.9	-0.1	0.0	-0.0	-10.8	-0.7	-6.9	-0.1	298.7
		Viento +Y exc.+	21.3	-1.2	26.7	-1.1	19.3	0.0	21.3	1890.9	987.1	-1.1	19.3	1760.9
		Viento +Y exc.-	18.0	1.4	22.7	0.7	15.9	-0.0	18.0	1600.0	834.1	0.7	15.9	1377.4
		Viento -Y exc.+	-21.3	1.2	-26.7	1.1	-19.3	-0.0	-21.3	-1891	-987.1	1.1	-19.3	-1761
		Viento -Y exc.-	-18.0	-1.4	-22.7	-0.7	-15.9	0.0	-18.0	-1600	-834.1	-0.7	-15.9	-1377
P13 [96.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	442.0	1.7	42.1	1.2	26.1	-0.0	442.0	42758	19949	1.2	26.1	2469.2
		Cargas muertas	343.8	1.0	-1.2	0.7	-1.1	0.0	343.8	33264	15485	0.7	-1.1	-137.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.9	0.0	0.0	1.1
		Sobrecarga de uso	252.7	0.8	15.0	0.6	8.5	-0.0	252.7	24449	11398	0.6	8.5	800.7
		Viento +X exc.+	-0.0	9.8	-0.0	6.9	-0.0	-0.0	-0.0	5.6	-2.0	6.9	-0.0	-316.4
		Viento +X exc.-	0.2	9.6	0.3	6.8	0.2	0.0	0.2	28.2	9.0	6.8	0.2	-286.6
		Viento -X exc.+	0.0	-9.8	0.0	-6.9	0.0	0.0	0.0	-5.6	2.0	-6.9	0.0	316.4
		Viento -X exc.-	-0.2	-9.6	-0.3	-6.8	-0.2	0.0	-0.2	-28.2	-9.0	-6.8	-0.2	286.6
		Viento +Y exc.+	19.7	-0.6	28.3	-0.7	20.5	0.0	19.7	1905.6	915.8	-0.7	20.5	2018.8
		Viento +Y exc.-	15.6	1.8	22.6	1.0	16.0	-0.0	15.6	1512.8	726.1	1.0	16.0	1499.2
		Viento -Y exc.+	-19.7	0.6	-28.3	0.7	-20.5	-0.0	-19.7	-1906	-915.8	0.7	-20.5	-2019
		Viento -Y exc.-	-15.6	-1.8	-22.6	-1.0	-16.0	0.0	-15.6	-1513	-726.1	-1.0	-16.0	-1499
P14 [104.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	449.0	1.1	45.5	0.8	28.2	-0.0	449.0	47029	20269	0.8	28.2	2916.3
		Cargas muertas	348.4	0.1	0.0	0.1	-0.4	0.0	348.4	36492	15692	0.1	-0.4	-43.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.7	0.0	0.0	1.1
		Sobrecarga de uso	256.6	0.0	15.1	-0.0	8.5	-0.0	256.6	26877	11573	-0.0	8.5	895.8
		Viento +X exc.+	-0.4	9.8	-0.1	6.9	-0.1	-0.0	-0.4	-33.9	-18.9	6.9	-0.1	-323.0
		Viento +X exc.-	-0.1	9.6	0.3	6.8	0.2	0.0	-0.1	-1.2	-4.4	6.8	0.2	-284.6
		Viento -X exc.+	0.4	-9.8	0.1	-6.9	0.1	0.0	0.4	33.9	18.9	-6.9	0.1	323.0
		Viento -X exc.-	0.1	-9.6	-0.3	-6.8	-0.2	0.0	0.1	1.2	4.4	-6.8	-0.2	284.6
		Viento +Y exc.+	23.9	-1.0	28.6	-0.9	21.0	0.0	23.9	2500.0	1104.1	-0.9	21.0	2243.0
		Viento +Y exc.-	18.3	1.6	21.5	0.8	15.4	-0.0	18.3	1917.4	845.4	0.8	15.4	1573.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-23.9	1.0	-28.6	0.9	-21.0	-0.0	-23.9	-2500	-1104	0.9	-21.0	-2243
		Viento -Y exc.-	-18.3	-1.6	-21.5	-0.8	-15.4	0.0	-18.3	-1917	-845.4	-0.8	-15.4	-1574
P15 [112.738;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	463.6	0.9	47.3	0.7	29.4	-0.0	463.6	52261	20926	0.7	29.4	3278.9
		Cargas muertas	347.0	1.0	1.0	0.6	0.3	0.0	347.0	39125	15631	0.6	0.3	6.0
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	4.9	2.0	-0.0	0.0	1.1
		Sobrecarga de uso	268.9	0.9	15.9	0.8	9.0	-0.0	268.9	30312	12125	0.8	9.0	981.6
		Viento +X exc.+	-0.6	10.0	-0.4	7.1	-0.3	-0.0	-0.6	-62.4	-29.4	7.1	-0.3	-352.9
		Viento +X exc.-	-0.2	9.9	0.1	7.0	0.1	0.0	-0.2	-15.1	-9.9	7.0	0.1	-305.0
		Viento -X exc.+	0.6	-10.0	0.4	-7.1	0.3	0.0	0.6	62.4	29.4	-7.1	0.3	352.9
		Viento -X exc.-	0.2	-9.9	-0.1	-7.0	-0.1	0.0	0.2	15.1	9.9	-7.0	-0.1	305.0
		Viento +Y exc.+	25.2	-0.8	29.0	-0.8	21.5	0.0	25.2	2841.3	1164.5	-0.8	21.5	2466.0
		Viento +Y exc.-	18.0	1.7	20.4	0.9	14.8	-0.0	18.0	2034.0	832.3	0.9	14.8	1630.6
		Viento -Y exc.+	-25.2	0.8	-29.0	0.8	-21.5	-0.0	-25.2	-2841	-1164	0.8	-21.5	-2466
		Viento -Y exc.-	-18.0	-1.7	-20.4	-0.9	-14.8	0.0	-18.0	-2034	-832.3	-0.9	-14.8	-1631
P16 [120.813;45.040;0.0 grados] (45x45)	25.00/28.25	Peso propio	316.4	41.6	32.5	25.9	20.2	-0.0	316.4	38264	14282	25.9	20.2	1273.1
		Cargas muertas	326.6	14.1	10.2	8.8	6.3	0.0	326.6	39472	14720	8.8	6.3	362.9
		H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	-8.4	-3.2	-0.0	-0.0	-2.4
		Sobrecarga de uso	172.8	13.5	10.6	7.6	5.9	-0.0	172.8	20888	7792.8	7.6	5.9	376.7
		Viento +X exc.+	3.1	5.0	-0.2	4.0	-0.2	-0.0	3.1	385.5	141.7	4.0	-0.2	-200.4
		Viento +X exc.-	3.5	4.9	0.3	4.0	0.2	0.0	3.5	427.4	157.8	4.0	0.2	-151.4
		Viento -X exc.+	-3.1	-5.0	0.2	-4.0	0.2	0.0	-3.1	-385.5	-141.7	-4.0	0.2	200.4
		Viento -X exc.-	-3.5	-4.9	-0.3	-4.0	-0.2	0.0	-3.5	-427.4	-157.8	-4.0	-0.2	151.4
		Viento +Y exc.+	19.8	0.2	24.0	-0.3	18.9	0.0	19.8	2388.3	914.3	-0.3	18.9	2298.2
		Viento +Y exc.-	13.8	1.4	15.8	0.7	12.2	-0.0	13.8	1666.2	636.5	0.7	12.2	1446.0
		Viento -Y exc.+	-19.8	-0.2	-24.0	0.3	-18.9	-0.0	-19.8	-2388	-914.3	0.3	-18.9	-2298
		Viento -Y exc.-	-13.8	-1.4	-15.8	-0.7	-12.2	0.0	-13.8	-1666	-636.5	-0.7	-12.2	-1446
P17 [0.663;38.465;0.0 grados] (Diámetro 45)	25.00/28.25	Peso propio	445.5	-38.8	1.4	-24.1	0.9	-0.0	445.5	256.5	17139	-24.1	0.9	927.0
		Cargas muertas	306.0	5.5	-0.7	3.8	-0.5	0.0	306.0	208.4	11771	3.8	-0.5	-144.9
		H 1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.0	3.4	-0.0	-0.0	0.4
		Sobrecarga de uso	256.8	-13.7	1.8	-7.9	1.2	0.0	256.8	156.6	9881.1	-7.9	1.2	305.8
		Viento +X exc.+	-4.2	6.2	0.9	4.3	0.6	-0.0	-4.2	3.4	-161.8	4.3	0.6	-166.1
		Viento +X exc.-	-4.2	6.2	-0.0	4.3	-0.0	0.0	-4.2	3.4	-161.7	4.3	-0.0	-165.8
		Viento -X exc.+	4.2	-6.2	-0.9	-4.3	-0.6	0.0	4.2	-3.4	161.8	-4.3	-0.6	166.1
		Viento -X exc.-	4.2	-6.2	0.0	-4.3	0.0	0.0	4.2	-3.4	161.7	-4.3	0.0	165.8
		Viento +Y exc.+	-1.6	-0.3	26.5	-0.3	16.4	0.0	-1.6	-1.4	-36.9	-0.3	16.4	20.9
		Viento +Y exc.-	-2.1	0.1	41.5	0.0	26.2	-0.0	-2.1	-1.3	-40.9	0.0	26.2	16.1
		Viento -Y exc.+	1.6	0.3	-26.5	0.3	-16.4	-0.0	1.6	1.4	36.9	0.3	-16.4	-20.9
		Viento -Y exc.-	2.1	-0.1	-41.5	-0.0	-26.2	0.0	2.1	1.3	40.9	-0.0	-26.2	-16.1
P18 [8.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	651.2	18.9	-14.5	11.8	-8.8	-0.0	651.2	5708.9	25033	11.8	-8.8	-530.1
		Cargas muertas	236.3	8.6	-10.3	5.4	-6.4	0.0	236.3	2072.9	9077.3	5.4	-6.4	-263.9
		H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.4	-1.8	-0.0	0.0	0.4
		Sobrecarga de uso	375.3	5.0	-2.9	2.4	-1.0	-0.0	375.3	3284.2	14432	2.4	-1.0	-101.6
		Viento +X exc.+	-0.4	9.6	0.8	6.8	0.5	-0.0	-0.4	5.9	-15.8	6.8	0.5	-256.8
		Viento +X exc.-	-0.5	9.6	-0.0	6.8	-0.0	0.0	-0.5	5.6	-17.4	6.8	-0.0	-260.7
		Viento -X exc.+	0.4	-9.6	-0.8	-6.8	-0.5	0.0	0.4	-5.9	15.8	-6.8	-0.5	256.8
		Viento -X exc.-	0.5	-9.6	0.0	-6.8	0.0	0.0	0.5	-5.6	17.4	-6.8	0.0	260.7
		Viento +Y exc.+	2.1	-0.8	31.5	-0.6	19.1	0.0	2.1	17.6	112.6	-0.6	19.1	191.2
		Viento +Y exc.-	2.3	-0.4	45.3	-0.3	28.2	-0.0	2.3	19.8	134.2	-0.3	28.2	257.7
		Viento -Y exc.+	-2.1	0.8	-31.5	0.6	-19.1	-0.0	-2.1	-17.6	-112.6	0.6	-19.1	-191.2
		Viento -Y exc.-	-2.3	0.4	-45.3	0.3	-28.2	0.0	-2.3	-19.8	-134.2	0.3	-28.2	-257.7
P19 [16.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	692.2	0.0	1.6	0.1	1.0	-0.0	692.2	11585	26625	0.1	1.0	12.8
		Cargas muertas	274.4	0.3	-1.9	0.2	-1.2	0.0	274.4	4593.3	10553	0.2	-1.2	-29.3
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.4	-1.0	0.0	0.0	0.2
		Sobrecarga de uso	414.5	0.4	2.8	0.4	2.0	-0.0	414.5	6937.7	15945	0.4	2.0	19.3
		Viento +X exc.+	0.3	10.9	0.9	7.6	0.6	-0.0	0.3	16.3	13.4	7.6	0.6	-282.0
		Viento +X exc.-	0.2	10.8	0.1	7.5	0.1	0.0	0.2	14.7	9.0	7.5	0.1	-289.5
		Viento -X exc.+	-0.3	-10.9	-0.9	-7.6	-0.6	0.0	-0.3	-16.3	-13.4	-7.6	-0.6	282.0
		Viento -X exc.-	-0.2	-10.8	-0.1	-7.5	-0.1	0.0	-0.2	-14.7	-9.0	-7.5	-0.1	289.5
		Viento +Y exc.+	4.0	-0.3	37.8	-0.3	23.8	0.0	4.0	66.8	192.0	-0.3	23.8	409.7
		Viento +Y exc.-	5.6	0.7	51.8	0.4	33.1	-0.0	5.6	94.6	267.7	0.4	33.1	538.7
		Viento -Y exc.+	-4.0	0.3	-37.8	0.3	-23.8	-0.0	-4.0	-66.8	-192.0	0.3	-23.8	-409.7
		Viento -Y exc.-	-5.6	-0.7	-51.8	-0.4	-33.1	0.0	-5.6	-94.6	-267.7	-0.4	-33.1	-538.7
P20 [24.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	590.7	-1.7	-13.9	-1.3	-8.6	-0.0	590.7	14611	22708	-1.3	-8.6	-160.1
		Cargas muertas	224.4	-1.4	-9.2	-0.9	-5.7	0.0	224.4	5549.5	8621.9	-0.9	-5.7	-104.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.6	-0.9	0.0	0.0	0.2
		Sobrecarga de uso	345.2	0.3	-2.2	0.2	-0.6	-0.0	345.2	8540.8	13277	0.2	-0.6	-23.3
		Viento +X exc.+	-1.5	9.6	0.6	6.8	0.3	-0.0	-1.5	-27.6	-57.3	6.8	0.3	-252.6
		Viento +X exc.-	-1.6	9.6	0.0	6.8	-0.0	0.0	-1.6	-30.0	-61.5	6.8	-0.0	-260.2
		Viento -X exc.+	1.5	-9.6	-0.6	-6.8	-0.3	0.0	1.5	27.6	57.3	-6.8	-0.3	252.6
		Viento -X exc.-	1.6	-9.6	-0.0	-6.8	0.0	0.0	1.6	30.0	61.5	-6.8	0.0	260.2
		Viento +Y exc.+	11.1	-1.4	32.2	-0.9	20.2	0.0	11.1	273.4	459.4	-0.9	20.2	535.3
		Viento +Y exc.-	13.0	-0.9	41.7	-0.5	26.4	-0.0	13.0	320.5	541.4	-0.5	26.4	673.0
		Viento -Y exc.+	-11.1	1.4	-32.2	0.9	-20.2	-0.0	-11.1	-273.4	-459.4	0.9	-20.2	-535.3
		Viento -Y exc.-	-13.0	0.9	-41.7	0.5	-26.4	0.0	-13.0	-320.5	-541.4	0.5	-26.4	-673.0
P21 [32.738;38.465;0.0 grados] (45x50)	25.00/28.25	Peso propio	192.3	12.0	-15.8	5.3	-25.7	0.3	192.3	6306.2	7379.5	5.3	-25.7	-1044
		Cargas muertas	52.4	6.4	-7.9	3.1	-12.3	0.1	52.4	1720.9	2006.5	3.1	-12.3	-524.6
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.3	-0.4	0.0	0.0	0.3
		Sobrecarga de uso	115.2	6.0	-5.4	4.0	-7.6	0.1	115.2	3776.9	4425.2	4.0	-7.6	-400.2
		Viento +X exc.+	-25.4	3.6	-1.6	3.7	-1.7	0.0	-25.4	-828.6	-979.4	3.7	-1.7	-196.1
		Viento +X exc.-	-21.1	3.7	-1.7	3.7	-1.8	0.0	-21.1	-685.6	-811.5	3.7	-1.8	-200.4
		Viento -X exc.+	25.4	-3.6	1.6	-3.7	1.7	-0.0	25.4	828.6	979.4	-3.7	1.7	196.1
		Viento -X exc.-	21.1	-3.7	1.7	-3.7	1.8	-0.0	21.1	685.6	811.5	-3.7	1.8	200.4
		Viento +Y exc.+	-95.2	-8.3	9.7	-4.0	18.1	-0.1	-95.2	-3124	-3651	-4.0	18.1	747.4
		Viento +Y exc.-	-170.3	-9.7	10.6	-4.7	19.4	-0.2	-170.3	-5584	-6539	-4.7	19.4	818.8
P22 [40.675;38.465;0.0 grados] (45x50)	25.00/28.25	Peso propio	175.8	-8.9	-15.3	-2.0	-26.8	-0.2	175.8	7140.6	6745.8	-2.0	-26.8	-1013
		Cargas muertas	42.4	-5.0	-7.5	-1.8	-12.4	-0.1	42.4	1721.7	1625.4	-1.8	-12.4	-433.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.3	-0.3	0.0	0.0	0.3
		Sobrecarga de uso	102.3	-4.4	-5.3	-1.9	-8.8	-0.1	102.3	4158.3	3931.1	-1.9	-8.8	-284.6
		Viento +X exc.+	13.2	4.1	1.8	4.1	1.7	0.0	13.2	542.7	511.1	4.1	1.7	-89.6
		Viento +X exc.-	13.8	4.0	1.7	4.1	1.5	0.0	13.8	565.2	532.4	4.1	1.5	-95.1
		Viento -X exc.+	-13.2	-4.1	-1.8	-4.1	-1.7	-0.0	-13.2	-542.7	-511.1	-4.1	-1.7	89.6
		Viento -X exc.-	-13.8	-4.0	-1.7	-4.1	-1.5	-0.0	-13.8	-565.2	-532.4	-4.1	-1.5	95.1
		Viento +Y exc.+	-245.7	8.4	6.0	5.5	9.7	0.2	-245.7	-9986	-9445	5.5	9.7	182.1
		Viento +Y exc.-	-252.9	10.3	8.0	6.8	13.3	0.2	-252.9	-10278	-9722	6.8	13.3	280.0
P23 [48.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	651.8	-17.2	-15.9	-10.2	-9.8	-0.0	651.8	31752	25057	-10.2	-9.8	-82.7
		Cargas muertas	246.9	-5.4	-8.9	-3.1	-5.5	0.0	246.9	12027	9487.3	-3.1	-5.5	-146.5
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.1	-0.9	0.0	0.0	0.3
		Sobrecarga de uso	374.8	-4.6	-2.3	-2.5	-0.6	-0.0	374.8	18263	14415	-2.5	-0.6	65.6
		Viento +X exc.+	2.3	8.1	0.3	5.9	0.2	-0.0	2.3	122.2	90.3	5.9	0.2	-216.1
		Viento +X exc.-	2.3	8.0	0.1	5.9	0.1	0.0	2.3	121.5	89.6	5.9	0.1	-221.2
		Viento -X exc.+	-2.3	-8.1	-0.3	-5.9	-0.2	0.0	-2.3	-122.2	-90.3	-5.9	-0.2	216.1
		Viento -X exc.-	-2.3	-8.0	-0.1	-5.9	-0.1	0.0	-2.3	-121.5	-89.6	-5.9	-0.1	221.2
		Viento +Y exc.+	12.1	1.3	35.1	0.7	22.8	0.0	12.1	591.7	501.0	0.7	22.8	1085.5
		Viento +Y exc.-	12.4	2.2	38.5	1.3	24.8	-0.0	12.4	608.8	517.2	1.3	24.8	1161.6
P24 [56.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	620.3	17.5	-15.6	11.0	-9.4	-0.0	620.3	35210	23843	11.0	-9.4	-957.6
		Cargas muertas	239.4	6.6	-8.9	4.1	-5.4	0.0	239.4	13590	9199.8	4.1	-5.4	-464.7
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-1.4	-0.9	0.0	0.0	0.4
		Sobrecarga de uso	359.2	4.5	-3.1	2.4	-1.1	-0.0	359.2	20385	13814	2.4	-1.1	-153.2
		Viento +X exc.+	0.1	9.5	0.2	6.7	0.2	-0.0	0.1	16.1	4.6	6.7	0.2	-248.9
		Viento +X exc.-	0.1	9.4	0.1	6.7	0.1	0.0	0.1	17.2	5.3	6.7	0.1	-250.8
		Viento -X exc.+	-0.1	-9.5	-0.2	-6.7	-0.2	0.0	-0.1	-16.1	-4.6	-6.7	-0.2	248.9
		Viento -X exc.-	-0.1	-9.4	-0.1	-6.7	-0.1	0.0	-0.1	-17.2	-5.3	-6.7	-0.1	250.8
		Viento +Y exc.+	4.3	-0.6	36.1	-0.5	23.6	0.0	4.3	241.7	200.4	-0.5	23.6	1358.6
		Viento +Y exc.-	4.0	0.1	37.7	0.0	24.4	-0.0	4.0	228.3	192.4	0.0	24.4	1380.1
P25 [64.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	680.4	0.3	0.3	0.3	0.2	-0.0	680.4	44045	26170	0.3	0.2	4.8
		Cargas muertas	270.9	0.1	-1.6	0.1	-1.0	0.0	270.9	17540	10420	0.1	-1.0	-65.3
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.7	-1.0	0.0	0.0	0.5
		Sobrecarga de uso	412.1	0.0	1.7	0.0	1.3	-0.0	412.1	26682	15855	0.0	1.3	82.6
		Viento +X exc.+	-0.5	10.3	0.2	7.2	0.1	-0.0	-0.5	-21.8	-18.9	7.2	0.1	-270.9
		Viento +X exc.-	-0.5	10.2	0.2	7.2	0.1	0.0	-0.5	-20.3	-17.9	7.2	0.1	-266.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	0.5	-10.3	-0.2	-7.2	-0.1	0.0	0.5	21.8	18.9	-7.2	-0.1	270.9
		Viento -X exc.-	0.5	-10.2	-0.2	-7.2	-0.1	0.0	0.5	20.3	17.9	-7.2	-0.1	266.9
		Viento +Y exc.+	5.9	-0.1	41.1	-0.2	27.3	0.0	5.9	379.9	266.9	-0.2	27.3	1775.8
		Viento +Y exc.-	5.5	0.8	40.4	0.4	26.6	-0.0	5.5	359.1	253.3	0.4	26.6	1703.6
		Viento -Y exc.+	-5.9	0.1	-41.1	0.2	-27.3	-0.0	-5.9	-379.9	-266.9	0.2	-27.3	-1776
		Viento -Y exc.-	-5.5	-0.8	-40.4	-0.4	-26.6	0.0	-5.5	-359.1	-253.3	-0.4	-26.6	-1704
P26 [72.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	635.0	-10.4	-10.6	-6.7	-6.5	-0.0	635.0	46177	24414	-6.7	-6.5	-212.5
		Cargas muertas	250.3	-4.7	-5.9	-2.9	-3.6	0.0	250.3	18204	9623.2	-2.9	-3.6	-147.4
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.8	-0.9	0.0	0.0	0.5
		Sobrecarga de uso	374.7	-3.3	-1.2	-1.9	-0.0	-0.0	374.7	27252	14412	-1.9	-0.0	69.6
		Viento +X exc.+	0.6	9.3	0.2	6.6	0.1	-0.0	0.6	51.0	22.2	6.6	0.1	-248.9
		Viento +X exc.-	0.6	9.3	0.3	6.6	0.2	0.0	0.6	53.7	23.8	6.6	0.2	-238.4
		Viento -X exc.+	-0.6	-9.3	-0.2	-6.6	-0.1	0.0	-0.6	-51.0	-22.2	-6.6	-0.1	248.9
		Viento -X exc.-	-0.6	-9.3	-0.3	-6.6	-0.2	0.0	-0.6	-53.7	-23.8	-6.6	-0.2	238.4
		Viento +Y exc.+	4.8	0.3	37.6	0.0	25.0	0.0	4.8	351.9	223.5	0.0	25.0	1815.9
		Viento +Y exc.-	4.3	1.0	35.1	0.5	22.9	-0.0	4.3	311.3	199.2	0.5	22.9	1647.0
		Viento -Y exc.+	-4.8	-0.3	-37.6	-0.0	-25.0	-0.0	-4.8	-351.9	-223.5	-0.0	-25.0	-1816
		Viento -Y exc.-	-4.3	-1.0	-35.1	-0.5	-22.9	0.0	-4.3	-311.3	-199.2	-0.5	-22.9	-1647
P27 [80.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	679.0	1.3	0.6	0.9	0.4	-0.0	679.0	54825	26120	0.9	0.4	-5.0
		Cargas muertas	274.2	0.2	-0.5	0.1	-0.2	0.0	274.2	22137	10546	0.1	-0.2	-23.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.3	-1.1	0.0	0.0	0.6
		Sobrecarga de uso	417.8	0.0	2.3	-0.0	1.7	-0.0	417.8	33732	16073	-0.0	1.7	137.9
		Viento +X exc.+	-0.9	10.5	-0.0	7.4	-0.0	-0.0	-0.9	-62.5	-34.8	7.4	-0.0	-285.0
		Viento +X exc.-	-0.9	10.5	0.3	7.3	0.2	0.0	-0.9	-58.8	-32.7	7.3	0.2	-265.6
		Viento -X exc.+	0.9	-10.5	0.0	-7.4	0.0	0.0	0.9	62.5	34.8	-7.4	0.0	285.0
		Viento -X exc.-	0.9	-10.5	-0.3	-7.3	-0.2	0.0	0.9	58.8	32.7	-7.3	-0.2	265.6
		Viento +Y exc.+	6.1	-0.8	43.0	-0.6	29.0	0.0	6.1	490.1	276.9	-0.6	29.0	2367.7
		Viento +Y exc.-	5.1	0.2	37.8	0.1	25.1	-0.0	5.1	413.2	234.6	0.1	25.1	2027.2
		Viento -Y exc.+	-6.1	0.8	-43.0	0.6	-29.0	-0.0	-6.1	-490.1	-276.9	0.6	-29.0	-2368
		Viento -Y exc.-	-5.1	-0.2	-37.8	-0.1	-25.1	0.0	-5.1	-413.2	-234.6	-0.1	-25.1	-2027
P28 [88.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	629.7	-8.6	-14.2	-5.5	-8.7	-0.0	629.7	55866	24205	-5.5	-8.7	-564.9
		Cargas muertas	245.1	-4.2	-7.8	-2.6	-4.7	0.0	245.1	21750	9421.8	-2.6	-4.7	-319.5
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.2	-1.0	0.0	0.0	0.6
		Sobrecarga de uso	365.7	-2.9	-2.8	-1.6	-1.0	-0.0	365.7	32447	14063	-1.6	-1.0	-25.7
		Viento +X exc.+	0.3	9.4	-0.1	6.7	-0.1	-0.0	0.3	40.4	13.3	6.7	-0.1	-264.9
		Viento +X exc.-	0.4	9.4	0.3	6.7	0.2	0.0	0.4	45.3	15.9	6.7	0.2	-238.3
		Viento -X exc.+	-0.3	-9.4	0.1	-6.7	0.1	0.0	-0.3	-40.4	-13.3	-6.7	0.1	264.9
		Viento -X exc.-	-0.4	-9.4	-0.3	-6.7	-0.2	0.0	-0.4	-45.3	-15.9	-6.7	-0.2	238.3
		Viento +Y exc.+	5.5	0.4	39.1	0.1	26.5	0.0	5.5	492.7	252.5	0.1	26.5	2344.0
		Viento +Y exc.-	4.7	1.1	32.6	0.6	21.6	-0.0	4.7	419.2	213.8	0.6	21.6	1898.8
		Viento -Y exc.+	-5.5	-0.4	-39.1	-0.1	-26.5	-0.0	-5.5	-492.7	-252.5	-0.1	-26.5	-2344
		Viento -Y exc.-	-4.7	-1.1	-32.6	-0.6	-21.6	0.0	-4.7	-419.2	-213.8	-0.6	-21.6	-1899
P29 [96.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	676.9	1.1	2.3	0.9	1.5	-0.0	676.9	65487	26041	0.9	1.5	115.2
		Cargas muertas	276.6	1.0	0.6	0.7	0.5	0.0	276.6	26758	10640	0.7	0.5	18.8
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-3.0	-1.2	0.0	0.0	0.7
		Sobrecarga de uso	422.4	0.9	3.0	0.6	2.1	-0.0	422.4	40859	16249	0.6	2.1	181.3
		Viento +X exc.+	0.2	11.3	-0.3	7.9	-0.2	-0.0	0.2	32.0	7.9	-0.2	-0.2	-322.6
		Viento +X exc.-	0.3	11.3	0.3	7.8	0.2	0.0	0.3	40.6	12.0	7.8	0.2	-279.4
		Viento -X exc.+	-0.2	-11.3	0.3	-7.9	0.2	0.0	-0.2	-32.0	-7.9	-7.9	0.2	322.6
		Viento -X exc.-	-0.3	-11.3	-0.3	-7.8	-0.2	0.0	-0.3	-40.6	-12.0	-7.8	-0.2	279.4
		Viento +Y exc.+	6.0	-0.3	48.5	-0.3	32.9	0.0	6.0	582.9	280.4	-0.3	32.9	3197.2
		Viento +Y exc.-	4.6	0.6	37.9	0.3	25.4	-0.0	4.6	441.5	213.2	0.3	25.4	2442.7
		Viento -Y exc.+	-6.0	0.3	-48.5	0.3	-32.9	-0.0	-6.0	-582.9	-280.4	0.3	-32.9	-3197
		Viento -Y exc.-	-4.6	-0.6	-37.9	-0.3	-25.4	0.0	-4.6	-441.5	-213.2	-0.3	-25.4	-2443
P30 [104.738;38.465;0.0 grados] (45x45)	25.00/28.25	Peso propio	648.0	-0.2	-7.9	-0.6	-4.7	-0.0	648.0	67869	24917	-0.6	-4.7	-469.2
		Cargas muertas	245.4	3.1	-5.6	1.8	-3.3	0.0	245.4	25710	9435.3	1.8	-3.3	-414.6
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-1.7	-0.6	0.0	0.0	0.9
		Sobrecarga de uso	347.8	1.7	-1.4	0.5	-0.0	-0.0	347.8	36428	13376	0.5	-0.0	-23.9
		Viento +X exc.+	-0.6	9.3	-0.5	6.5	-0.3	-0.0	-0.6	-53.7	-23.6	6.5	-0.3	-283.0
		Viento +X exc.-	-0.7	9.2	0.2	6.5	0.1	0.0	-0.7	-62.1	-26.0	6.5	0.1	-234.9
		Viento -X exc.+	0.6	-9.3	0.5	-6.5	0.3	0.0	0.6	53.7	23.6	-6.5	0.3	283.0
		Viento -X exc.-	0.7	-9.2	-0.2	-6.5	-0.1	0.0	0.7	62.1	26.0	-6.5	-0.1	234.9
		Viento +Y exc.+	10.0	-0.7	43.3	-0.5	29.7	0.0	10.0	1051.5	429.8	-0.5	29.7	3129.8
		Viento +Y exc.-	10.8	0.1	32.2	0.1	21.8	-0.0	10.8	1126.9	446.0	0.1	21.8	2284.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P31 [112.738;38.465;0.0 grados] (45x45)	25.00/28.25	Viento -Y exc.+	-10.0	0.7	-43.3	0.5	-29.7	-0.0	-10.0	-1051	-429.8	0.5	-29.7	-3130
		Viento -Y exc.-	-10.8	-0.1	-32.2	-0.1	-21.8	0.0	-10.8	-1127	-446.0	-0.1	-21.8	-2285
		Peso propio	739.3	0.9	3.6	0.8	2.2	-0.0	739.3	83345	28440	0.8	2.2	220.6
		Cargas muertas	281.7	2.7	3.5	1.7	2.3	0.0	281.7	31760	10839	1.7	2.3	191.9
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-4.8	-1.6	0.0	0.0	0.3
		Sobrecarga de uso	400.0	2.3	4.2	2.2	3.2	-0.0	400.0	45098	15390	2.2	3.2	272.8
		Viento +X exc.+	-0.5	10.0	-0.5	7.0	-0.3	-0.0	-0.5	-50.5	-21.2	7.0	-0.3	-306.9
		Viento +X exc.-	-0.3	10.0	0.3	7.0	0.2	0.0	-0.3	-27.8	-12.5	7.0	0.2	-240.3
		Viento -X exc.+	0.5	-10.0	0.5	-7.0	0.3	0.0	0.5	50.5	21.2	-7.0	0.3	306.9
		Viento -X exc.-	0.3	-10.0	-0.3	-7.0	-0.2	0.0	0.3	27.8	12.5	-7.0	-0.2	240.3
		Viento +Y exc.+	12.2	-0.3	47.2	-0.3	32.3	0.0	12.2	1380.1	518.2	-0.3	32.3	3651.6
		Viento +Y exc.-	9.3	0.6	32.8	0.3	22.2	-0.0	9.3	1050.4	391.0	0.3	22.2	2494.2
		Viento -Y exc.+	-12.2	0.3	-47.2	0.3	-32.3	-0.0	-12.2	-1380	-518.2	0.3	-32.3	-3652
		Viento -Y exc.-	-9.3	-0.6	-32.8	-0.3	-22.2	0.0	-9.3	-1050	-391.0	-0.3	-22.2	-2494
		Peso propio	468.3	47.2	-1.9	29.2	-1.2	-0.0	468.3	56613	18011	29.2	-1.2	-1267
P32 [120.788;38.465;0.0 grados] (Diámetro 50)	25.00/28.25	Cargas muertas	309.8	-5.2	0.2	-3.1	0.2	0.0	309.8	37416	11917	-3.1	0.2	139.0
		H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	10.3	3.2	0.0	-0.0	-2.6
		Sobrecarga de uso	260.7	15.2	-0.1	8.6	0.1	-0.0	260.7	31503	10027	8.6	0.1	-318.9
		Viento +X exc.+	5.4	5.8	-0.5	4.4	-0.3	-0.0	5.4	655.5	206.4	4.4	-0.3	-206.0
		Viento +X exc.-	5.4	5.7	0.4	4.3	0.3	0.0	5.4	652.2	206.2	4.3	0.3	-132.3
		Viento -X exc.+	-5.4	-5.8	0.5	-4.4	0.3	0.0	-5.4	-655.5	-206.4	-4.4	0.3	206.0
		Viento -X exc.-	-5.4	-5.7	-0.4	-4.3	-0.3	0.0	-5.4	-652.2	-206.2	-4.3	-0.3	132.3
		Viento +Y exc.+	-0.3	-0.1	42.9	-0.2	29.6	0.0	-0.3	-31.4	32.9	-0.2	29.6	3583.2
		Viento +Y exc.-	0.2	0.4	27.9	0.1	19.1	-0.0	0.2	24.8	35.7	0.1	19.1	2300.0
		Viento -Y exc.+	0.3	0.1	-42.9	0.2	-29.6	-0.0	0.3	31.4	-32.9	0.2	-29.6	-3583
		Viento -Y exc.-	-0.2	-0.4	-27.9	-0.1	-19.1	0.0	-0.2	-24.8	-35.7	-0.1	-19.1	-2300
		Peso propio	467.1	-49.6	1.6	-30.8	1.0	-0.0	467.1	260.0	14932	-30.8	1.0	986.1
		Cargas muertas	313.8	4.5	1.0	3.1	0.7	0.0	313.8	212.5	10031	3.1	0.7	-100.2
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.2	-0.0	-0.0	0.4
		Sobrecarga de uso	261.9	-17.6	0.3	-10.2	0.0	-0.0	261.9	155.9	8370.7	-10.2	0.0	324.6
P33 [0.663;31.965;0.0 grados] (45x45)	25.00/28.25	Viento +X exc.+	-5.0	6.9	1.1	5.2	0.7	-0.0	-5.0	3.6	-159.3	5.2	0.7	-165.3
		Viento +X exc.-	-5.1	6.9	0.1	5.2	0.0	0.0	-5.1	3.5	-164.0	5.2	0.0	-166.8
		Viento -X exc.+	5.0	-6.9	-1.1	-5.2	-0.7	0.0	5.0	-3.6	159.3	-5.2	-0.7	165.3
		Viento -X exc.-	5.1	-6.9	-0.1	-5.2	-0.0	0.0	5.1	-3.5	164.0	-5.2	-0.0	166.8
		Viento +Y exc.+	4.6	-0.3	32.7	-0.0	20.0	0.0	4.6	2.8	180.7	-0.0	20.0	14.6
		Viento +Y exc.-	6.6	-1.0	50.3	-0.6	31.8	-0.0	6.6	3.4	262.1	-0.6	31.8	40.0
		Viento -Y exc.+	-4.6	0.3	-32.7	0.0	-20.0	-0.0	-4.6	-2.8	-180.7	0.0	-20.0	-14.6
		Viento -Y exc.-	-6.6	1.0	-50.3	0.6	-31.8	0.0	-6.6	-3.4	-262.1	0.6	-31.8	-40.0
		Peso propio	699.6	6.7	4.1	4.1	2.7	-0.0	699.6	6119.5	22366	4.1	2.7	-108.3
		Cargas muertas	249.3	3.2	5.0	2.1	3.2	0.0	249.3	2181.6	7973.9	2.1	3.2	-39.3
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.4	-1.2	-0.0	-0.0	0.3
		Sobrecarga de uso	404.8	0.9	1.0	-0.1	0.3	-0.0	404.8	3537.8	12940	-0.1	0.3	5.5
		Viento +X exc.+	-0.8	11.1	1.2	8.0	0.7	-0.0	-0.8	4.1	-24.6	8.0	0.7	-247.9
		Viento +X exc.-	-0.8	11.1	0.2	8.0	0.1	0.0	-0.8	3.9	-26.4	8.0	0.1	-254.3
		Viento -X exc.+	0.8	-11.1	-1.2	-8.0	-0.7	0.0	0.8	-4.1	24.6	-8.0	-0.7	247.9
P34 [8.738;31.965;0.0 grados] (50x45)	25.00/28.25	Viento -X exc.-	0.8	-11.1	-0.2	-8.0	-0.1	0.0	0.8	-3.9	26.4	-8.0	-0.1	254.3
		Viento +Y exc.+	-1.8	0.5	36.8	0.4	22.2	0.0	-1.8	-15.2	-20.8	0.4	22.2	180.2
		Viento +Y exc.-	-1.4	-0.2	53.4	-0.1	33.1	-0.0	-1.4	-12.4	8.7	-0.1	33.1	292.4
		Viento -Y exc.+	1.8	-0.5	-36.8	-0.4	-22.2	-0.0	1.8	15.2	20.8	-0.4	-22.2	-180.2
		Viento -Y exc.-	1.4	0.2	-53.4	0.1	-33.1	0.0	1.4	12.4	-8.7	0.1	-33.1	-292.4
		Peso propio	668.8	0.7	3.4	0.6	2.1	-0.0	668.8	11195	21381	0.6	2.1	15.7
		Cargas muertas	258.6	1.1	3.9	0.7	2.5	0.0	258.6	4329.5	8269.9	0.7	2.5	18.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	396.7	0.9	-0.0	0.8	-0.4	-0.0	396.7	6640.9	12681	0.8	-0.4	-32.6
		Viento +X exc.+	-0.1	10.9	0.8	7.7	0.5	-0.0	-0.1	9.2	-2.4	7.7	0.5	-237.3
		Viento +X exc.-	-0.2	10.9	-0.0	7.7	-0.0	0.0	-0.2	8.1	-5.4	7.7	-0.0	-247.3
		Viento -X exc.+	0.1	-10.9	-0.8	-7.7	-0.5	0.0	0.1	-9.2	2.4	-7.7	-0.5	237.3
		Viento -X exc.-	0.2	-10.9	0.0	-7.7	0.0	0.0	0.2	-8.1	5.4	-7.7	0.0	247.3
		Viento +Y exc.+	2.8	0.2	37.4	0.3	22.9	0.0	2.8	46.4	125.7	0.3	22.9	374.3
		Viento +Y exc.-	3.9	-0.8	51.3	-0.4	31.9	-0.0	3.9	64.6	176.1	-0.4	31.9	546.4
		Viento -Y exc.+	-2.8	-0.2	-37.4	-0.3	-22.9	-0.0	-2.8	-46.4	-125.7	-0.3	-22.9	-374.3
P35 [16.738;31.965;0.0 grados] (50x45)	25.00/28.25	Viento -Y exc.-	-3.9	0.8	-51.3	0.4	-31.9	0.0	-3.9	-64.6	-176.1	0.4	-31.9	-546.4
		Peso propio	719.8	-23.7	8.2	-14.2	5.4	-0.0	719.8	35058	23017	-14.2	5.4	718.5
P37 [48.738;31.965;0.0 grados] (50x45)	25.00/28.25	Cargas muertas	264.1	-0.0	8.3	0.3	5.5	0.0	264.1	12874	8451.6	0.3	5.5	257.7





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	401.1	-3.9	2.3	-1.7	1.1	-0.0	401.1	19543	12822	-1.7	1.1	107.9
		Viento +X exc.+	2.8	8.5	0.5	6.5	0.3	-0.0	2.8	142.8	88.6	6.5	0.3	-192.3
		Viento +X exc.-	2.7	8.6	0.3	6.5	0.2	0.0	2.7	142.2	87.9	6.5	0.2	-200.5
		Viento -X exc.+	-2.8	-8.5	-0.5	-6.5	-0.3	0.0	-2.8	-142.8	-88.6	-6.5	-0.3	192.3
		Viento -X exc.-	-2.7	-8.6	-0.3	-6.5	-0.2	0.0	-2.7	-142.2	-87.9	-6.5	-0.2	200.5
		Viento +Y exc.+	-11.9	-1.1	41.8	-0.4	26.8	0.0	-11.9	-581.9	-339.2	-0.4	26.8	1316.3
		Viento +Y exc.-	-11.8	-2.0	45.9	-1.0	29.2	-0.0	-11.8	-578.7	-332.4	-1.0	29.2	1456.3
		Viento -Y exc.+	11.9	1.1	-41.8	0.4	-26.8	-0.0	11.9	581.9	339.2	0.4	-26.8	-1316
		Viento -Y exc.-	11.8	2.0	-45.9	1.0	-29.2	0.0	11.8	578.7	332.4	1.0	-29.2	-1456
P38 [56.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	662.8	5.2	5.9	3.4	3.9	-0.0	662.8	37609	21191	3.4	3.9	112.3
		Cargas muertas	245.3	0.3	5.6	0.2	3.7	0.0	245.3	13920	7847.4	0.2	3.7	201.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	383.8	0.3	1.3	0.0	0.5	-0.0	383.8	21777	12270	0.0	0.5	28.3
		Viento +X exc.+	-0.1	11.0	0.5	7.9	0.3	-0.0	-0.1	2.6	-4.3	7.9	0.3	-235.0
		Viento +X exc.-	-0.2	11.0	0.4	7.9	0.2	0.0	-0.2	0.0	-5.8	7.9	0.2	-239.0
		Viento -X exc.+	0.1	-11.0	-0.5	-7.9	-0.3	0.0	0.1	-2.6	4.3	-7.9	-0.3	235.0
		Viento -X exc.-	0.2	-11.0	-0.4	-7.9	-0.2	0.0	0.2	-0.0	5.8	-7.9	-0.2	239.0
		Viento +Y exc.+	-5.2	0.5	42.6	0.4	27.6	0.0	-5.2	-294.0	-123.4	0.4	27.6	1551.2
		Viento +Y exc.-	-4.8	-0.4	44.3	-0.2	28.4	-0.0	-4.8	-273.2	-109.4	-0.2	28.4	1617.2
P39 [64.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	668.9	-0.3	6.3	-0.3	4.0	-0.0	668.9	43302	21387	-0.3	4.0	267.5
		Cargas muertas	257.1	0.0	6.1	-0.0	3.9	0.0	257.1	16641	8222.8	-0.0	3.9	255.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	397.6	-0.5	1.2	-0.5	0.3	-0.0	397.6	25740	12711	-0.5	0.3	35.1
		Viento +X exc.+	-0.4	10.2	0.2	7.3	0.1	-0.0	-0.4	-14.5	-12.0	7.3	0.1	-227.1
		Viento +X exc.-	-0.4	10.3	0.2	7.3	0.1	0.0	-0.4	-15.6	-12.6	7.3	0.1	-225.7
		Viento -X exc.+	0.4	-10.2	-0.2	-7.3	-0.1	0.0	0.4	14.5	12.0	-7.3	-0.1	227.1
		Viento -X exc.-	0.4	-10.3	-0.2	-7.3	-0.1	0.0	0.4	15.6	12.6	-7.3	-0.1	225.7
		Viento +Y exc.+	-1.3	0.3	40.1	0.4	26.3	0.0	-1.3	-84.6	-1.9	0.4	26.3	1688.5
		Viento +Y exc.-	-1.0	-0.5	39.5	-0.3	25.5	-0.0	-1.0	-64.0	8.2	-0.3	25.5	1659.0
P40 [72.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	682.7	-1.9	7.3	-1.5	4.8	-0.0	682.7	49653	21828	-1.5	4.8	395.3
		Cargas muertas	260.3	-0.5	6.5	-0.4	4.2	0.0	260.3	18931	8326.0	-0.4	4.2	320.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	402.1	-0.9	1.6	-0.6	0.6	-0.0	402.1	29250	12856	-0.6	0.6	66.2
		Viento +X exc.+	0.4	10.5	0.0	7.6	0.0	-0.0	0.4	38.4	12.3	7.6	0.0	-240.7
		Viento +X exc.-	0.4	10.6	0.2	7.6	0.2	0.0	0.4	36.5	11.6	7.6	0.2	-232.6
		Viento -X exc.+	-0.4	-10.5	-0.0	-7.6	-0.0	0.0	-0.4	-38.4	-12.3	-7.6	-0.0	240.7
		Viento -X exc.-	-0.4	-10.6	-0.2	-7.6	-0.2	0.0	-0.4	-36.5	-11.6	-7.6	-0.2	232.6
		Viento +Y exc.+	-6.8	0.4	40.7	0.4	26.9	0.0	-6.8	-497.8	-178.2	0.4	26.9	1941.9
		Viento +Y exc.-	-6.3	-0.5	37.9	-0.2	24.6	-0.0	-6.3	-459.4	-163.8	-0.2	24.6	1796.8
P41 [80.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	655.8	0.5	6.3	0.5	4.0	-0.0	655.8	52946	20968	0.5	4.0	306.2
		Cargas muertas	254.0	0.5	6.0	0.3	3.9	0.0	254.0	20508	8125.0	0.3	3.9	300.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	397.4	-0.0	0.8	-0.1	0.1	-0.0	397.4	32082	12702	-0.1	0.1	9.3
		Viento +X exc.+	-0.4	10.4	-0.1	7.4	-0.1	-0.0	-0.4	-18.3	-11.5	7.4	-0.1	-244.0
		Viento +X exc.-	-0.4	10.4	0.2	7.5	0.1	0.0	-0.4	-18.9	-11.5	7.5	0.1	-227.8
		Viento -X exc.+	0.4	-10.4	0.1	-7.4	0.1	0.0	0.4	18.3	11.5	-7.4	0.1	244.0
		Viento -X exc.-	0.4	-10.4	-0.2	-7.5	-0.1	0.0	0.4	18.9	11.5	-7.5	-0.1	227.8
		Viento +Y exc.+	-1.2	0.0	41.9	0.2	28.0	0.0	-1.2	-99.7	2.4	0.2	28.0	2252.5
		Viento +Y exc.-	-0.8	-0.8	36.9	-0.4	24.2	-0.0	-0.8	-66.1	11.0	-0.4	24.2	1965.2
P42 [88.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	670.1	0.8	5.5	0.4	3.6	-0.0	670.1	59466	21426	0.4	3.6	305.2
		Cargas muertas	249.8	0.2	6.4	0.2	4.2	0.0	249.8	22166	7990.9	0.2	4.2	366.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	389.0	-0.0	0.9	-0.0	0.1	-0.0	389.0	34520	12436	-0.0	0.1	10.2
		Viento +X exc.+	0.0	10.7	-0.3	7.7	-0.2	-0.0	0.0	11.7	0.0	7.7	-0.2	-264.0
		Viento +X exc.-	-0.0	10.8	0.1	7.8	0.1	0.0	-0.0	8.1	-0.8	7.8	0.1	-236.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	-0.0	-10.7	0.3	-7.7	0.2	0.0	-0.0	-11.7	-0.0	-7.7	0.2	264.0
		Viento -X exc.-	0.0	-10.8	-0.1	-7.8	-0.1	0.0	0.0	-8.1	0.8	-7.8	-0.1	236.1
		Viento +Y exc.+	-6.6	0.3	46.6	0.4	31.1	0.0	-6.6	-587.9	-165.2	0.4	31.1	2750.6
		Viento +Y exc.-	-5.8	-0.6	38.6	-0.3	25.4	-0.0	-5.8	-517.5	-147.6	-0.3	25.4	2258.9
		Viento -Y exc.+	6.6	-0.3	-46.6	-0.4	-31.1	-0.0	6.6	587.9	165.2	-0.4	-31.1	-2751
		Viento -Y exc.-	5.8	0.6	-38.6	0.3	-25.4	0.0	5.8	517.5	147.6	0.3	-25.4	-2259
P43 [96.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	657.9	2.0	3.2	1.4	2.0	-0.0	657.9	63642	21032	1.4	2.0	144.0
		Cargas muertas	257.2	1.4	5.4	0.9	3.5	0.0	257.2	24880	8225.9	0.9	3.5	311.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	402.7	1.1	-0.3	0.8	-0.6	-0.0	402.7	38954	12871	0.8	-0.6	-80.2
		Viento +X exc.+	0.3	11.0	-0.4	7.8	-0.2	-0.0	0.3	44.8	10.8	7.8	-0.2	-272.8
		Viento +X exc.-	0.3	11.1	0.2	7.9	0.2	0.0	0.3	42.4	10.6	7.9	0.2	-233.4
		Viento -X exc.+	-0.3	-11.0	0.4	-7.8	0.2	0.0	-0.3	-44.8	-10.8	-7.8	0.2	272.8
		Viento -X exc.-	-0.3	-11.1	-0.2	-7.9	-0.2	0.0	-0.3	-42.4	-10.6	-7.9	-0.2	233.4
		Viento +Y exc.+	-1.5	0.0	47.3	0.2	31.8	0.0	-1.5	-140.7	0.7	0.2	31.8	3070.1
		Viento +Y exc.-	-0.9	-0.8	36.9	-0.4	24.5	-0.0	-0.9	-88.3	8.0	-0.4	24.5	2379.0
		Viento -Y exc.+	1.5	-0.0	-47.3	-0.2	-31.8	-0.0	1.5	140.7	-0.7	-0.2	-31.8	-3070
		Viento -Y exc.-	0.9	0.8	-36.9	0.4	-24.5	0.0	0.9	88.3	-8.0	0.4	-24.5	-2379
P36 [24.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	649.1	2.3	7.8	1.4	5.1	-0.0	649.1	16060	20757	1.4	5.1	83.2
		Cargas muertas	246.3	-4.2	9.2	-2.8	6.0	0.0	246.3	6088.1	7881.4	-2.8	6.0	237.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	372.1	0.1	2.8	-0.1	1.4	-0.0	372.1	9204.0	11895	-0.1	1.4	35.4
		Viento +X exc.+	-0.8	11.0	0.8	7.9	0.5	-0.0	-0.8	-7.8	-23.5	7.9	0.5	-238.3
		Viento +X exc.-	-0.7	11.0	0.1	7.9	0.1	0.0	-0.7	-5.7	-21.5	7.9	0.1	-250.2
		Viento -X exc.+	0.8	-11.0	-0.8	-7.9	-0.5	0.0	0.8	7.8	23.5	-7.9	-0.5	238.3
		Viento -X exc.-	0.7	-11.0	-0.1	-7.9	-0.1	0.0	0.7	5.7	21.5	-7.9	-0.1	250.2
		Viento +Y exc.+	-10.5	1.3	40.1	0.8	24.8	0.0	-10.5	-259.2	-296.5	0.8	24.8	587.0
		Viento +Y exc.-	-12.1	0.7	52.0	0.4	32.5	-0.0	-12.1	-299.5	-335.8	0.4	32.5	792.4
		Viento -Y exc.+	10.5	-1.3	-40.1	-0.8	-24.8	-0.0	10.5	259.2	296.5	-0.8	-24.8	-587.0
		Viento -Y exc.-	12.1	-0.7	-52.0	-0.4	-32.5	0.0	12.1	299.5	335.8	-0.4	-32.5	-792.4
P44 [104.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	697.7	-7.7	-12.8	-5.0	-7.9	-0.0	697.7	73068	22289	-5.0	-7.9	-671.6
		Cargas muertas	259.2	-2.0	1.7	-1.3	1.2	0.0	259.2	27150	8288.1	-1.3	1.2	165.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	385.7	-1.9	-3.3	-1.5	-2.6	-0.0	385.7	40393	12325	-1.5	-2.6	-227.8
		Viento +X exc.+	-0.7	11.4	-0.3	8.1	-0.2	-0.0	-0.7	-59.7	-22.0	8.1	-0.2	-283.1
		Viento +X exc.-	-0.6	11.4	0.4	8.1	0.3	0.0	-0.6	-51.9	-18.9	8.1	0.3	-228.3
		Viento -X exc.+	0.7	-11.4	0.3	-8.1	0.2	0.0	0.7	59.7	22.0	-8.1	0.2	283.1
		Viento -X exc.-	0.6	-11.4	-0.4	-8.1	-0.3	0.0	0.6	51.9	18.9	-8.1	-0.3	228.3
		Viento +Y exc.+	-13.2	0.3	49.9	0.3	33.6	0.0	-13.2	-1382	-372.0	0.3	33.6	3510.1
		Viento +Y exc.-	-13.7	-0.7	36.6	-0.4	24.3	-0.0	-13.7	-1434	-401.0	-0.4	24.3	2553.4
		Viento -Y exc.+	13.2	-0.3	-49.9	-0.3	-33.6	-0.0	13.2	1382.1	372.0	-0.3	-33.6	-3510
		Viento -Y exc.-	13.7	0.7	-36.6	0.4	-24.3	0.0	13.7	1434.4	401.0	0.4	-24.3	-2553
P45 [112.738;31.965;0.0 grados] (50x45)	25.00/28.25	Peso propio	716.3	5.8	-3.9	4.5	-2.4	-0.0	716.3	80757	22892	4.5	-2.4	-410.1
		Cargas muertas	256.1	3.3	1.7	2.3	1.3	0.0	256.1	28877	8188.4	2.3	1.3	69.3
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-6.0	-1.7	0.0	-0.0	-1.2
		Sobrecarga de uso	402.2	3.5	-2.8	3.2	-2.2	-0.0	402.2	45341	12852	3.2	-2.2	-353.4
		Viento +X exc.+	0.9	11.0	-0.5	7.8	-0.3	-0.0	0.9	113.2	28.5	7.8	-0.3	-286.0
		Viento +X exc.-	0.7	11.0	0.4	7.9	0.3	0.0	0.7	92.2	23.4	7.9	0.3	-220.6
		Viento -X exc.+	-0.9	-11.0	0.5	-7.8	0.3	0.0	-0.9	-113.2	-28.5	-7.8	0.3	286.0
		Viento -X exc.-	-0.7	-11.0	-0.4	-7.9	-0.3	0.0	-0.7	-92.2	-23.4	-7.9	-0.3	220.6
		Viento +Y exc.+	-13.2	0.5	47.8	0.4	32.7	0.0	-13.2	-1486	-373.6	0.4	32.7	3668.4
		Viento +Y exc.-	-10.6	-0.5	33.1	-0.3	22.3	-0.0	-10.6	-1192	-304.6	-0.3	22.3	2526.0
		Viento -Y exc.+	13.2	-0.5	-47.8	-0.4	-32.7	-0.0	13.2	1485.8	373.6	-0.4	-32.7	-3668
		Viento -Y exc.-	10.6	0.5	-33.1	0.3	-22.3	0.0	10.6	1191.5	304.6	0.3	-22.3	-2526
P46 [120.813;31.965;0.0 grados] (45x45)	25.00/28.25	Peso propio	459.1	54.4	3.4	33.8	2.1	-0.0	459.1	55523	14679	33.8	2.1	-823.4
		Cargas muertas	305.4	-3.5	5.5	-2.4	3.7	0.0	305.4	36894	9767.8	-2.4	3.7	519.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-1.0
		Sobrecarga de uso	256.7	18.5	1.2	10.6	0.6	-0.0	256.7	31034	8207.3	10.6	0.6	-270.4
		Viento +X exc.+	4.8	6.7	-0.7	5.1	-0.5	-0.0	4.8	592.0	154.2	5.1	-0.5	-218.8
		Viento +X exc.-	4.9	6.7	0.3	5.1	0.2	0.0	4.9	594.4	155.7	5.1	0.2	-136.7
		Viento -X exc.+	-4.8	-6.7	0.7	-5.1	0.5	0.0	-4.8	-592.0	-154.2	-5.1	0.5	218.8
		Viento -X exc.-	-4.9	-6.7	-0.3	-5.1	-0.2	0.0	-4.9	-594.4	-155.7	-5.1	-0.2	136.7
		Viento +Y exc.+	0.2	0.3	48.4	0.3	33.7	0.0	0.2	25.5	55.0	0.3	33.7	4055.9
		Viento +Y exc.-	-0.2	-0.3	31.4	-0.2	21.7	-0.0	-0.2	-21.3	25.9	-0.2	21.7	2628.5



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-0.2	-0.3	-48.4	-0.3	-33.7	-0.0	-0.2	-25.5	-55.0	-0.3	-33.7	-4056
		Viento -Y exc.-	0.2	0.3	-31.4	0.2	-21.7	0.0	0.2	21.3	-25.9	0.2	-21.7	-2629
P49 [0.688;25.465;0.0 grados] (Diámetro 50)	25.00/28.15	Peso propio	318.0	-32.6	-19.6	-21.9	-13.8	-0.0	318.0	186.1	8078.6	-21.9	-13.8	547.2
		Cargas muertas	330.4	-9.2	-1.4	-6.0	-1.4	0.0	330.4	218.1	8411.6	-6.0	-1.4	152.5
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	0.4	-0.0	-0.0	0.2
		Sobrecarga de uso	174.6	-9.6	-6.5	-5.7	-4.4	-0.0	174.6	110.5	4440.4	-5.7	-4.4	142.2
		Viento +X exc.+	-5.1	5.2	0.3	4.6	0.2	-0.0	-5.1	1.7	-129.8	4.6	0.2	-117.7
		Viento +X exc.-	-4.7	5.3	-0.2	4.7	-0.1	0.0	-4.7	2.1	-120.7	4.7	-0.1	-119.9
		Viento -X exc.+	5.1	-5.2	-0.3	-4.6	-0.2	0.0	5.1	-1.7	129.8	-4.6	-0.2	117.7
		Viento -X exc.-	4.7	-5.3	0.2	-4.7	0.1	0.0	4.7	-2.1	120.7	-4.7	0.1	119.9
		Viento +Y exc.+	-14.9	0.1	19.5	0.5	12.2	0.0	-14.9	-10.2	-361.2	0.5	12.2	-4.6
		Viento +Y exc.-	-21.3	-1.5	27.3	-0.8	18.7	-0.0	-21.3	-16.2	-516.3	-0.8	18.7	33.1
		Viento -Y exc.+	14.9	-0.1	-19.5	-0.5	-12.2	-0.0	14.9	10.2	361.2	-0.5	-12.2	4.6
		Viento -Y exc.-	21.3	1.5	-27.3	0.8	-18.7	0.0	21.3	16.2	516.3	0.8	-18.7	-33.1
		Peso propio	476.1	2.7	-31.4	1.7	-20.8	-0.0	476.1	4163.1	12093	1.7	-20.8	-225.2
		Cargas muertas	345.4	1.5	11.9	1.1	7.3	0.0	345.4	3019.2	8806.6	1.1	7.3	36.3
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.3	-0.0	-0.0	0.3
P51 [8.738;25.465;0.0 grados] (50x45)	25.00/28.15	Sobrecarga de uso	268.4	-0.1	-11.4	-0.4	-7.2	-0.0	268.4	2345.1	6823.2	-0.4	-7.2	-52.4
		Viento +X exc.+	-0.8	13.5	0.4	9.8	0.3	-0.0	-0.8	6.2	-20.9	9.8	0.3	-247.4
		Viento +X exc.-	-0.3	13.7	-0.2	10.0	-0.1	0.0	-0.3	10.7	-8.9	10.0	-0.1	-255.1
		Viento -X exc.+	0.8	-13.5	-0.4	-9.8	-0.3	0.0	0.8	-6.2	20.9	-9.8	-0.3	247.4
		Viento -X exc.-	0.3	-13.7	0.2	-10.0	0.1	0.0	0.3	-10.7	8.9	-10.0	0.1	255.1
		Viento +Y exc.+	-20.0	1.1	26.5	1.2	16.5	0.0	-20.0	-173.7	-483.1	1.2	16.5	113.9
		Viento +Y exc.-	-28.5	-2.6	37.0	-1.4	24.2	-0.0	-28.5	-251.3	-687.8	-1.4	24.2	247.7
		Viento -Y exc.+	20.0	-1.1	-26.5	-1.2	-16.5	-0.0	20.0	173.7	483.1	-1.2	-16.5	-113.9
		Viento -Y exc.-	28.5	2.6	-37.0	1.4	-24.2	0.0	28.5	251.3	687.8	1.4	-24.2	-247.7
		Peso propio	449.4	1.3	-29.8	0.8	-19.7	-0.0	449.4	7524.0	11415	0.8	-19.7	-348.7
		Cargas muertas	336.4	0.9	12.3	0.4	7.7	0.0	336.4	5631.9	8579.2	0.4	7.7	118.8
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.1	-0.0	-0.0	0.0
		Sobrecarga de uso	250.1	1.1	-11.5	0.7	-7.3	-0.0	250.1	4186.4	6356.1	0.7	-7.3	-140.7
		Viento +X exc.+	-1.1	13.5	0.5	9.8	0.4	-0.0	-1.1	-5.2	-27.9	9.8	0.4	-244.4
P51 [16.738;25.465;0.0 grados] (50x45)	25.00/28.15	Viento +X exc.-	-0.7	13.7	-0.0	10.0	-0.0	0.0	-0.7	2.0	-17.8	10.0	-0.0	-254.6
		Viento -X exc.+	1.1	-13.5	-0.5	-9.8	-0.4	0.0	1.1	5.2	27.9	-9.8	-0.4	244.4
		Viento -X exc.-	0.7	-13.7	0.0	-10.0	0.0	0.0	0.7	-2.0	17.8	-10.0	0.0	254.6
		Viento +Y exc.+	-20.4	1.3	26.6	1.3	17.0	0.0	-20.4	-339.8	-492.2	1.3	17.0	250.3
		Viento +Y exc.-	-27.5	-2.4	35.6	-1.3	23.4	-0.0	-27.5	-462.9	-665.0	-1.3	23.4	425.0
		Viento -Y exc.+	20.4	-1.3	-26.6	-1.3	-17.0	-0.0	20.4	339.8	492.2	-1.3	-17.0	-250.3
		Viento -Y exc.-	27.5	2.4	-35.6	1.3	-23.4	0.0	27.5	462.9	665.0	1.3	-23.4	-425.0
		Peso propio	525.8	-35.4	-24.6	-21.3	-15.8	-0.0	525.8	12972	13365	-21.3	-15.8	150.3
		Cargas muertas	425.0	-31.3	14.9	-17.9	8.7	0.0	425.0	10482	10837	-17.9	8.7	672.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.3	0.0	-0.0	-0.1
		Sobrecarga de uso	268.3	-20.9	-7.7	-12.9	-4.4	-0.0	268.3	6616.3	6824.5	-12.9	-4.4	219.7
		Viento +X exc.+	11.2	13.5	0.1	9.9	0.1	-0.0	11.2	291.7	286.4	9.9	0.1	-250.6
		Viento +X exc.-	11.9	13.7	-0.3	10.1	-0.2	0.0	11.9	306.9	301.5	10.1	-0.2	-261.2
		Viento -X exc.+	-11.2	-13.5	-0.1	-9.9	-0.1	0.0	-11.2	-291.7	-286.4	-9.9	-0.1	250.6
P52 [24.738;25.465;0.0 grados] (50x45)	25.00/28.15	Viento -X exc.-	-11.9	-13.7	0.3	-10.1	0.2	0.0	-11.9	-306.9	-301.5	-10.1	0.2	261.2
		Viento +Y exc.+	-22.2	3.4	24.8	2.6	16.3	0.0	-22.2	-545.3	-540.0	2.6	16.3	337.1
		Viento +Y exc.-	-32.6	0.3	31.8	0.3	21.3	-0.0	-32.6	-806.8	-799.0	0.3	21.3	519.7
		Viento -Y exc.+	22.2	-3.4	-24.8	-2.6	-16.3	-0.0	22.2	545.3	540.0	-2.6	-16.3	-337.1
		Viento -Y exc.-	32.6	-0.3	-31.8	-0.3	-21.3	0.0	32.6	806.8	799.0	-0.3	-21.3	-519.7
		Peso propio	566.6	10.5	-21.5	4.5	-13.6	-0.0	566.6	27625	14407	4.5	-13.6	-777.0
		Cargas muertas	432.7	17.4	5.9	8.2	3.3	0.0	432.7	21104	11024	8.2	3.3	-49.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.2	0.0	-0.0	-0.2
		Sobrecarga de uso	274.4	11.5	-6.5	6.5	-3.3	-0.0	274.4	13386	6981.4	6.5	-3.3	-326.6
		Viento +X exc.+	-8.3	5.8	0.6	5.1	0.4	-0.0	-8.3	-396.7	-209.7	5.1	0.4	-111.5
		Viento +X exc.-	-8.2	5.9	0.4	5.2	0.3	0.0	-8.2	-394.7	-208.9	5.2	0.3	-117.5
		Viento -X exc.+	8.3	-5.8	-0.6	-5.1	-0.4	0.0	8.3	396.7	209.7	-5.1	-0.4	111.5
		Viento -X exc.-	8.2	-5.9	-0.4	-5.2	-0.3	0.0	8.2	394.7	208.9	-5.2	-0.3	117.5
		Viento +Y exc.+	-27.8	-0.9	18.5	0.1	13.5	0.0	-27.8	-1355	-689.0	0.1	13.5	655.0
P55 [48.738;25.465;0.0 grados] (50x45)	25.00/28.25	Viento +Y exc.-	-28.4	-2.9	20.6	-1.4	14.8	-0.0	-28.4	-1387	-702.5	-1.4	14.8	755.4
		Viento -Y exc.+	27.8	0.9	-18.5	-0.1	-13.5	-0.0	27.8	1355.1	689.0	-0.1	-13.5	-655.0
		Viento -Y exc.-	28.4	2.9	-20.6	1.4	-14.8	0.0	28.4	1386.9	702.5	1.4	-14.8	-755.4
		Peso propio	445.1	-2.9	-36.0	-1.8	-23.1	-0.0	445.1	25251	11298	-1.8	-23.1	-1267
		Cargas muertas	334.3	-4.4	0.0	-2.6	-0.4	0.0	334.3	18961	8511.8	-2.6	-0.4	41.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	244.6	-2.8	-12.6	-1.8	-7.7	-0.0	244.6	13874	6215.8	-1.8	-7.7	-390.3
		Viento +X exc.+	-0.6	6.8	0.6	5.4	0.4	-0.0	-0.6	-24.6	-13.5	5.4	0.4	-118.1
		Viento +X exc.-	-0.5	6.9	0.5	5.5	0.3	0.0	-0.5	-21.6	-12.3	5.5	0.3	-122.1
		Viento -X exc.+	0.6	-6.8	-0.6	-5.4	-0.4	0.0	0.6	24.6	13.5	-5.4	-0.4	118.1
		Viento -X exc.-	0.5	-6.9	-0.5	-5.5	-0.3	0.0	0.5	21.6	12.3	-5.5	-0.3	122.1
		Viento +Y exc.+	-19.5	1.5	22.9	1.4	15.9	0.0	-19.5	-1107	-474.8	1.4	15.9	864.1
		Viento +Y exc.-	-20.4	-0.3	24.3	0.1	16.4	-0.0	-20.4	-1157	-494.8	0.1	16.4	930.0
		Viento -Y exc.+	19.5	-1.5	-22.9	-1.4	-15.9	-0.0	19.5	1107.4	474.8	-1.4	-15.9	-864.1
		Viento -Y exc.-	20.4	0.3	-24.3	-0.1	-16.4	0.0	20.4	1156.7	494.8	-0.1	-16.4	-930.0
P57 [64.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	450.1	-0.5	-29.6	-0.4	-18.8	-0.0	450.1	29139	11433	-0.4	-18.8	-1206
		Cargas muertas	347.6	0.2	2.9	0.2	1.5	0.0	347.6	22502	8853.9	0.2	1.5	95.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.2	0.0	-0.0	-0.2
		Sobrecarga de uso	252.0	-0.0	-10.9	-0.1	-6.5	-0.0	252.0	16314	6406.4	-0.1	-6.5	-417.4
		Viento +X exc.+	-0.2	5.9	0.0	4.9	0.0	-0.0	-0.2	-10.1	-6.3	4.9	0.0	-124.2
		Viento +X exc.-	-0.3	6.0	0.0	5.0	0.0	0.0	-0.3	-10.6	-6.6	5.0	0.0	-125.3
		Viento -X exc.+	0.2	-5.9	-0.0	-4.9	-0.0	0.0	0.2	10.1	6.3	-4.9	-0.0	124.2
		Viento -X exc.-	0.3	-6.0	-0.0	-5.0	-0.0	0.0	0.3	10.6	6.6	-5.0	-0.0	125.3
		Viento +Y exc.+	-20.6	0.0	20.6	0.6	14.8	0.0	-20.6	-1334	-504.0	0.6	14.8	942.4
		Viento +Y exc.-	-20.4	-1.6	21.0	-0.7	14.5	-0.0	-20.4	-1322	-498.5	-0.7	14.5	958.4
		Viento -Y exc.+	20.6	0.0	-20.6	-0.6	-14.8	-0.0	20.6	1333.7	504.0	-0.6	-14.8	-942.4
		Viento -Y exc.-	20.4	1.6	-21.0	0.7	-14.5	0.0	20.4	1322.3	498.5	0.7	-14.5	-958.4
P58 [72.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	450.9	0.3	-30.5	0.1	-19.4	-0.0	450.9	32795	11451	0.1	-19.4	-1416
		Cargas muertas	347.1	0.4	2.6	0.3	1.4	0.0	347.1	25246	8840.8	0.3	1.4	93.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	253.0	-0.1	-11.2	-0.1	-6.7	-0.0	253.0	18406	6432.6	-0.1	-6.7	-482.4
		Viento +X exc.+	0.1	5.9	0.1	4.9	0.0	-0.0	0.1	11.2	2.0	4.9	0.0	-121.5
		Viento +X exc.-	0.0	6.0	0.1	5.0	0.1	0.0	0.0	6.0	0.1	5.0	0.1	-118.9
		Viento -X exc.+	-0.1	-5.9	-0.1	-4.9	-0.0	0.0	-0.1	-11.2	-2.0	-4.9	-0.0	121.5
		Viento -X exc.-	0.0	-6.0	-0.1	-5.0	-0.1	0.0	0.0	-6.0	-0.1	-5.0	-0.1	118.9
		Viento +Y exc.+	-20.4	0.1	20.6	0.6	15.2	0.0	-20.4	-1487	-499.8	0.6	15.2	1085.6
		Viento +Y exc.-	-19.2	-1.5	20.0	-0.6	14.0	-0.0	-19.2	-1396	-468.1	-0.6	14.0	1038.2
		Viento -Y exc.+	20.4	-0.1	-20.6	-0.6	-15.2	-0.0	20.4	1486.5	499.8	-0.6	-15.2	-1086
		Viento -Y exc.-	19.2	1.5	-20.0	0.6	-14.0	0.0	19.2	1395.5	468.1	0.6	-14.0	-1038
P59 [80.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	456.9	0.1	-32.6	0.1	-20.7	-0.0	456.9	36887	11602	0.1	-20.7	-1674
		Cargas muertas	348.7	0.5	2.2	0.3	1.1	0.0	348.7	28154	8881.9	0.3	1.1	83.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.5	0.2	0.0	-0.0	-0.3
		Sobrecarga de uso	254.1	-0.1	-11.7	-0.1	-7.0	-0.0	254.1	20512	6458.0	-0.1	-7.0	-561.8
		Viento +X exc.+	-0.0	6.0	0.2	4.9	0.1	-0.0	-0.0	4.8	-0.2	4.9	0.1	-118.9
		Viento +X exc.-	-0.2	6.1	0.3	5.0	0.2	0.0	-0.2	-6.3	-3.7	5.0	0.2	-112.0
		Viento -X exc.+	0.0	-6.0	-0.2	-4.9	-0.1	0.0	0.0	-4.8	0.2	-4.9	-0.1	118.9
		Viento -X exc.-	0.2	-6.1	-0.3	-5.0	-0.2	0.0	0.2	6.3	3.7	-5.0	-0.2	112.0
		Viento +Y exc.+	-21.1	0.3	20.7	0.8	15.5	0.0	-21.1	-1703	-516.5	0.8	15.5	1234.2
		Viento +Y exc.-	-18.7	-1.3	18.9	-0.6	13.6	-0.0	-18.7	-1509	-456.5	-0.6	13.6	1110.1
		Viento -Y exc.+	21.1	-0.3	-20.7	-0.8	-15.5	-0.0	21.1	1702.8	516.5	-0.8	-15.5	-1234
		Viento -Y exc.-	18.7	1.3	-18.9	0.6	-13.6	0.0	18.7	1508.7	456.5	0.6	-13.6	-1110
P60 [88.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	462.2	3.0	-38.7	2.0	-24.7	-0.0	462.2	41018	11731	2.0	-24.7	-2242
		Cargas muertas	349.3	1.8	-0.5	1.2	-0.6	0.0	349.3	30998	8894.4	1.2	-0.6	-84.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.5	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	254.4	1.2	-13.6	0.8	-8.3	-0.0	254.4	22580	6465.7	0.8	-8.3	-751.7
		Viento +X exc.+	0.2	6.7	-0.3	5.4	-0.2	-0.0	0.2	21.4	3.9	5.4	-0.2	-157.0
		Viento +X exc.-	-0.0	6.8	-0.1	5.5	-0.0	0.0	-0.0	3.0	-1.2	5.5	-0.0	-143.7
		Viento -X exc.+	-0.2	-6.7	0.3	-5.4	0.2	0.0	-0.2	-21.4	-3.9	-5.4	0.2	157.0
		Viento -X exc.-	0.0	-6.8	0.1	-5.5	0.0	0.0	0.0	-3.0	1.2	-5.5	0.0	143.7
		Viento +Y exc.+	-22.3	-1.2	23.1	-0.2	17.4	0.0	-22.3	-1977	-544.0	-0.2	17.4	1548.0
		Viento +Y exc.-	-18.7	-2.7	20.0	-1.4	14.4	-0.0	-18.7	-1659	-455.3	-1.4	14.4	1313.8
		Viento -Y exc.+	22.3	1.2	-23.1	0.2	-17.4	-0.0	22.3	1977.2	544.0	0.2	-17.4	-1548
		Viento -Y exc.-	18.7	2.7	-20.0	1.4	-14.4	0.0	18.7	1658.7	455.3	1.4	-14.4	-1314
P61 [96.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	458.0	2.8	-34.4	1.9	-22.7	-0.0	458.0	44305	11628	1.9	-22.7	-2241
		Cargas muertas	349.8	1.2	-0.5	0.8	-0.6	0.0	349.8	33843	8907.9	0.8	-0.6	-76.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.2	0.0	-0.0	-0.4
		Sobrecarga de uso	255.7	0.9	-12.6	0.6	-7.9	-0.0	255.7	24732	6497.5	0.6	-7.9	-779.3
		Viento +X exc.+	0.7	6.0	-0.2	5.1	-0.2	-0.0	0.7	74.0	17.7	5.1	-0.2	-146.2
		Viento +X exc.-	0.4	6.1	-0.1	5.1	0.0	0.0	0.4	47.7	10.9	5.1	0.0	-128.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	-0.7	-6.0	0.2	-5.1	0.2	0.0	-0.7	-74.0	-17.7	-5.1	0.2	146.2
		Viento -X exc.-	-0.4	-6.1	0.1	-5.1	-0.0	0.0	-0.4	-47.7	-10.9	-5.1	-0.0	128.9
		Viento +Y exc.+	-22.8	-1.0	18.8	-0.0	16.1	0.0	-22.8	-2209	-562.5	-0.0	16.1	1561.9
		Viento +Y exc.-	-18.1	-2.4	15.8	-1.2	12.7	-0.0	-18.1	-1758	-446.3	-1.2	12.7	1258.5
		Viento -Y exc.+	22.8	1.0	-18.8	0.0	-16.1	-0.0	22.8	2209.5	562.5	0.0	-16.1	-1562
		Viento -Y exc.-	18.1	2.4	-15.8	1.2	-12.7	0.0	18.1	1757.5	446.3	1.2	-12.7	-1258
P62 [104.738;25.465;0.0 grados] (40x45)	25.00/28.25	Peso propio	442.4	2.5	-34.0	1.6	-22.3	-0.0	442.4	46336	11231	1.6	-22.3	-2373
		Cargas muertas	348.3	1.3	-1.0	0.9	-0.8	0.0	348.3	36478	8867.6	0.9	-0.8	-105.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	252.5	0.6	-12.2	0.3	-7.6	0.0	252.5	26446	6417.5	0.3	-7.6	-806.5
		Viento +X exc.+	0.2	6.9	-0.2	4.8	-0.2	-0.0	0.2	32.4	6.0	4.8	-0.2	-139.7
		Viento +X exc.-	-0.1	6.9	0.1	4.9	0.1	0.0	-0.1	-2.3	-2.2	4.9	0.1	-115.9
		Viento -X exc.+	-0.2	-6.9	0.2	-4.8	0.2	0.0	-0.2	-32.4	-6.0	-4.8	0.2	139.7
		Viento -X exc.-	0.1	-6.9	-0.1	-4.9	-0.1	0.0	0.1	2.3	2.2	-4.9	-0.1	115.9
		Viento +Y exc.+	-22.2	0.3	20.1	0.4	16.3	0.0	-22.2	-2323	-544.7	0.4	16.3	1695.3
		Viento +Y exc.-	-16.4	-1.4	15.5	-0.7	12.0	-0.0	-16.4	-1724	-403.2	-0.7	12.0	1280.0
		Viento -Y exc.+	22.2	-0.3	-20.1	-0.4	-16.3	-0.0	22.2	2323.1	544.7	-0.4	-16.3	-1695
		Viento -Y exc.-	16.4	1.4	-15.5	0.7	-12.0	0.0	16.4	1723.6	403.2	0.7	-12.0	-1280
P63 [112.738;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	470.6	0.1	-39.3	0.5	-25.0	-0.0	470.6	53057	11945	0.5	-25.0	-2835
		Cargas muertas	347.2	0.6	-0.4	0.4	-0.5	0.0	347.2	39149	8842.2	0.4	-0.5	-69.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.2	0.0	-0.0	-1.0
		Sobrecarga de uso	267.0	0.5	-13.6	0.7	-8.2	-0.0	267.0	30102	6785.7	0.7	-8.2	-939.3
		Viento +X exc.+	-0.4	6.7	-0.1	5.4	-0.1	-0.0	-0.4	-43.3	-11.4	5.4	-0.1	-150.7
		Viento +X exc.-	-0.9	6.8	0.2	5.4	0.2	0.0	-0.9	-89.6	-21.5	5.4	0.2	-115.2
		Viento -X exc.+	0.4	-6.7	0.1	-5.4	0.1	0.0	0.4	43.3	11.4	-5.4	0.1	150.7
		Viento -X exc.-	0.9	-6.8	-0.2	-5.4	-0.2	0.0	0.9	89.6	21.5	-5.4	-0.2	115.2
		Viento +Y exc.+	-23.1	-0.4	23.4	0.3	18.7	0.0	-23.1	-2609	-565.9	0.3	18.7	2098.7
		Viento +Y exc.-	-16.0	-2.0	16.7	-1.0	12.9	-0.0	-16.0	-1808	-391.1	-1.0	12.9	1480.8
		Viento -Y exc.+	23.1	0.4	-23.4	-0.3	-18.7	-0.0	23.1	2609.1	565.9	-0.3	-18.7	-2099
		Viento -Y exc.-	16.0	2.0	-16.7	1.0	-12.9	0.0	16.0	1807.5	391.1	1.0	-12.9	-1481
P64 [120.788;25.465;0.0 grados] (50x45)	25.00/28.25	Peso propio	334.2	35.7	-30.4	21.6	-19.3	-0.0	334.2	40404	8480.2	21.6	-19.3	-2883
		Cargas muertas	334.8	9.9	-7.2	6.4	-4.8	0.0	334.8	40445	8517.5	6.4	-4.8	-743.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	2.7	0.6	0.0	-0.0	-1.0
		Sobrecarga de uso	177.9	11.2	-10.0	5.8	-5.9	-0.0	177.9	21499	4520.0	5.8	-5.9	-866.3
		Viento +X exc.+	4.2	3.0	-0.7	3.2	-0.5	-0.0	4.2	511.2	106.4	3.2	-0.5	-136.2
		Viento +X exc.-	3.8	3.1	-0.3	3.2	-0.1	0.0	3.8	467.7	97.7	3.2	-0.1	-95.1
		Viento -X exc.+	-4.2	-3.0	0.7	-3.2	0.5	0.0	-4.2	-511.2	-106.4	-3.2	0.5	136.2
		Viento -X exc.-	-3.8	-3.1	0.3	-3.2	0.1	0.0	-3.8	-467.7	-97.7	-3.2	0.1	95.1
		Viento +Y exc.+	-20.2	-1.5	20.6	-0.3	17.3	0.0	-20.2	-2443	-494.1	-0.3	17.3	2100.2
		Viento +Y exc.-	-14.0	-2.0	13.8	-1.0	11.3	-0.0	-14.0	-1696	-343.4	-1.0	11.3	1383.6
		Viento -Y exc.+	20.2	1.5	-20.6	0.3	-17.3	-0.0	20.2	2442.9	494.1	0.3	-17.3	-2100
		Viento -Y exc.-	14.0	2.0	-13.8	1.0	-11.3	0.0	14.0	1695.9	343.4	1.0	-11.3	-1384
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	25.00/28.25	Peso propio	557.8	-3.8	7.3	-2.6	0.5	-0.0	557.8	18257	17837	-2.6	0.5	99.6
		Cargas muertas	240.2	4.5	5.5	3.2	0.9	0.0	240.2	7869.4	7684.7	3.2	0.9	-74.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.8	0.0	-0.0	-0.2
		Sobrecarga de uso	320.0	1.7	3.3	1.3	-0.8	-0.0	320.0	10479	10233	1.3	-0.8	-67.0
		Viento +X exc.+	-0.7	7.0	1.1	5.9	0.6	-0.0	-0.7	-14.8	-20.1	5.9	0.6	-166.8
		Viento +X exc.-	1.1	7.0	0.5	5.9	0.2	0.0	1.1	43.1	35.8	5.9	0.2	-179.2
		Viento -X exc.+	0.7	-7.0	-1.1	-5.9	-0.6	0.0	0.7	14.8	20.1	-5.9	-0.6	166.8
		Viento -X exc.-	-1.1	-7.0	-0.5	-5.9	-0.2	0.0	-1.1	-43.1	-35.8	-5.9	-0.2	179.2
		Viento +Y exc.+	-137.3	6.1	47.4	4.2	28.4	0.1	-137.3	-4487	-4340	4.2	28.4	797.4
		Viento +Y exc.-	-168.0	6.5	58.1	4.3	35.0	-0.0	-168.0	-5495	-5313	4.3	35.0	1008.7
		Viento -Y exc.+	137.3	-6.1	-47.4	-4.2	-28.4	-0.1	137.3	4487.4	4340.0	-4.2	-28.4	-797.4
		Viento -Y exc.-	168.0	-6.5	-58.1	-4.3	-35.0	0.0	168.0	5494.9	5313.4	-4.3	-35.0	-1009
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	25.00/28.25	Peso propio	597.2	6.0	5.9	3.7	-0.6	-0.0	597.2	24334	19095	3.7	-0.6	-140.9
		Cargas muertas	259.9	-3.2	4.9	-2.5	0.4	0.0	259.9	10584	8312.1	-2.5	0.4	98.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.6	0.0	-0.0	-0.2
		Sobrecarga de uso	331.5	-1.2	2.6	-1.2	-1.3	-0.0	331.5	13502	10598	-1.2	-1.3	-12.1
		Viento +X exc.+	-2.8	6.9	0.2	5.8	0.2	-0.0	-2.8	-106.0	-88.4	5.8	0.2	-177.2
		Viento +X exc.-	-1.6	7.1	-0.2	5.9	-0.1	0.0	-1.6	-58.9	-52.0	5.9	-0.1	-190.2
		Viento -X exc.+	2.8	-6.9	-0.2	-5.8	-0.2	0.0	2.8	106.0	88.4	-5.8	-0.2	177.2
		Viento -X exc.-	1.6	-7.1	0.2	-5.9	0.1	0.0	1.6	58.9	52.0	-5.9	0.1	190.2
		Viento +Y exc.+	-133.4	-6.8	45.1	-4.2	27.4	0.1	-133.4	-5440	-4218	-4.2	27.4	1250.7
		Viento +Y exc.-	-152.6	-8.7	52.5	-5.5	31.9	-0.0	-152.6	-6225	-4825	-5.5	31.9	1472.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. sexta +25.10														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=25.00)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	133.4	6.8	-45.1	4.2	-27.4	-0.1	133.4	5440.5	4218.4	4.2	-27.4	-1251
		Viento -Y exc.-	152.6	8.7	-52.5	5.5	-31.9	0.0	152.6	6225.3	4825.3	5.5	-31.9	-1472
P121 [29.563;25.440;0.0 grados] (45x45)	25.00/28.15	Peso propio	358.3	-63.2	-10.8	-40.6	-7.2	-0.0	358.3	10529	9104.1	-40.6	-7.2	820.7
		Cargas muertas	194.0	-96.6	-29.4	-63.0	-22.4	0.0	194.0	5637.2	4904.7	-63.0	-22.4	939.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	196.4	-37.7	1.0	-24.3	1.3	-0.0	196.4	5767.7	4996.7	-24.3	1.3	657.7
		Viento +X exc.+	-15.5	7.2	1.5	5.4	0.9	-0.0	-15.5	-451.9	-393.5	5.4	0.9	-111.7
		Viento +X exc.-	-15.7	7.2	1.4	5.5	0.8	0.0	-15.7	-456.0	-397.3	5.5	0.8	-116.4
		Viento -X exc.+	15.5	-7.2	-1.5	-5.4	-0.9	0.0	15.5	451.9	393.5	-5.4	-0.9	111.7
		Viento -X exc.-	15.7	-7.2	-1.4	-5.5	-0.8	0.0	15.7	456.0	397.3	-5.5	-0.8	116.4
		Viento +Y exc.+	-12.1	2.5	12.7	1.9	8.4	0.0	-12.1	-354.6	-294.6	1.9	8.4	198.5
		Viento +Y exc.-	-9.6	1.1	15.0	0.9	10.2	-0.0	-9.6	-282.8	-229.4	0.9	10.2	278.8
		Viento -Y exc.+	12.1	-2.5	-12.7	-1.9	-8.4	-0.0	12.1	354.6	294.6	-1.9	-8.4	-198.5
		Viento -Y exc.-	9.6	-1.1	-15.0	-0.9	-10.2	0.0	9.6	282.8	229.4	-0.9	-10.2	-278.8
P122 [43.913;25.440;0.0 grados] (45x45)	25.00/28.25	Peso propio	354.4	54.6	-1.9	33.8	-1.3	-0.0	354.4	15619	9015.2	33.8	-1.3	-914.6
		Cargas muertas	190.3	89.4	-29.0	56.5	-21.7	0.0	190.3	8447.9	4813.3	56.5	-21.7	-2391
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	190.7	31.4	2.5	19.5	2.2	-0.0	190.7	8407.2	4854.9	19.5	2.2	-398.9
		Viento +X exc.+	14.0	6.1	-0.3	4.6	-0.1	-0.0	14.0	618.8	354.6	4.6	-0.1	-121.3
		Viento +X exc.-	14.2	6.2	-0.5	4.6	-0.2	0.0	14.2	631.1	361.6	4.6	-0.2	-126.4
		Viento -X exc.+	-14.0	-6.1	0.3	-4.6	0.1	0.0	-14.0	-618.8	-354.6	-4.6	0.1	121.3
		Viento -X exc.-	-14.2	-6.2	0.5	-4.6	0.2	0.0	-14.2	-631.1	-361.6	-4.6	0.2	126.4
		Viento +Y exc.+	-2.0	-1.3	11.4	-0.5	8.0	0.0	-2.0	-87.4	-38.5	-0.5	8.0	361.5
		Viento +Y exc.-	-6.7	-3.2	13.4	-1.9	9.2	-0.0	-6.7	-298.5	-157.7	-1.9	9.2	449.7
		Viento -Y exc.+	2.0	1.3	-11.4	0.5	-8.0	-0.0	2.0	87.4	38.5	0.5	-8.0	-361.5
		Viento -Y exc.-	6.7	3.2	-13.4	1.9	-9.2	0.0	6.7	298.5	157.7	1.9	-9.2	-449.7
M12 [32.588;36.503] (e=30.0 cm)	25.00/28.60	Peso propio	836.2	-9.2	106.9	-3.2	-2.5	-7.0	836.2	27241	30631	-3.2	-2.5	27.8
		Cargas muertas	266.2	-1.3	51.9	0.6	25.4	-3.2	266.2	8674.5	9769.9	0.6	25.4	803.9
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-1.3	-1.5	0.0	-0.0	-0.4
		Sobrecarga de uso	356.7	0.7	83.0	2.1	-2.7	-2.0	356.7	11624	13103	2.1	-2.7	-168.0
		Viento +X exc.+	20.5	8.4	-40.2	6.1	-9.3	3.5	20.5	677.1	708.9	6.1	-9.3	-523.2
		Viento +X exc.-	15.4	8.4	-28.7	6.2	-8.3	3.6	15.4	509.7	532.8	6.2	-8.3	-493.4
		Viento -X exc.+	-20.5	-8.4	40.2	-6.1	9.3	-3.5	-20.5	-677.1	-708.9	-6.1	9.3	523.2
		Viento -X exc.-	-15.4	-8.4	28.7	-6.2	8.3	-3.6	-15.4	-509.7	-532.8	-6.2	8.3	493.4
		Viento +Y exc.+	180.3	-0.2	-283.2	-1.7	33.4	3.0	180.3	5876.4	6299.4	-1.7	33.4	1153.1
		Viento +Y exc.-	269.1	-0.5	-479.2	-2.9	18.0	2.7	269.1	8769.8	9344.8	-2.9	18.0	694.4
		Viento -Y exc.+	-180.3	0.2	283.2	1.7	-33.4	-3.0	-180.3	-5876	-6299	1.7	-33.4	-1153
		Viento -Y exc.-	-269.1	0.5	479.2	2.9	-18.0	-2.7	-269.1	-8770	-9345	2.9	-18.0	-694.4
M15 [40.825;36.503] (e=30.0 cm)	25.00/28.60	Peso propio	800.6	14.8	96.0	7.6	-27.5	8.2	800.6	32700	29321	7.6	-27.5	-1392
		Cargas muertas	251.9	4.0	42.6	1.5	20.3	4.0	251.9	10288	9238.1	1.5	20.3	774.8
		H 1	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-1.5	-1.4	0.0	-0.0	-0.7
		Sobrecarga de uso	327.3	2.0	78.7	0.1	-16.0	2.3	327.3	13362	12024	0.1	-16.0	-652.6
		Viento +X exc.+	-8.2	8.6	8.2	6.4	2.3	3.3	-8.2	-326.7	-291.5	6.4	2.3	-139.9
		Viento +X exc.-	-9.5	8.6	10.0	6.5	1.8	3.3	-9.5	-380.6	-338.0	6.5	1.8	-159.4
		Viento -X exc.+	8.2	-8.6	-8.2	-6.4	-2.3	-3.3	8.2	326.7	291.5	-6.4	-2.3	139.9
		Viento -X exc.-	9.5	-8.6	-10.0	-6.5	-1.8	-3.3	9.5	380.6	338.0	-6.5	-1.8	159.4
		Viento +Y exc.+	312.4	1.4	-648.3	3.4	-37.9	-1.7	312.4	12757	10757	3.4	-37.9	-1674
		Viento +Y exc.-	332.3	1.5	-672.3	3.2	-28.3	-2.9	332.3	13568	11458	3.2	-28.3	-1278
		Viento -Y exc.+	-312.4	-1.4	648.3	-3.4	37.9	1.7	-312.4	-12757	-10757	-3.4	37.9	1673.5
		Viento -Y exc.-	-332.3	-1.5	672.3	-3.2	28.3	2.9	-332.3	-13568	-11458	-3.2	28.3	1278.0
Sumatorio		Peso propio							34910	2118886	1227205	-0.4	8.9	347.0
		Cargas muertas							19291	1178645	6801209	-0.2	0.2	15.1
		H 1							0.0	0.2	0.2	0.0	0.0	0.0
		Sobrecarga de uso							19667	1199810	692763	-0.2	4.7	182.6
		Viento +X exc.+							-1.3	2649.3	-46.9	423.0	0.1	-15366
		Viento +X exc.-							-0.6	2673.8	-21.5	423.0	0.1	-14572
		Viento -X exc.+							1.3	-2649	46.9	-423.0	-0.1	15366
		Viento -X exc.-							0.6	-2674	21.5	-423.0	-0.1	14572
		Viento +Y exc.+							-54.9	-2068	6597.5	0.1	1360.3	89501
		Viento +Y exc.-							-66.8	-2480	6169.1	-0.1	1360.1	75683
		Viento -Y exc.+							54.9	2068.1	-6598	-0.1	-1360	-89501
		Viento -Y exc.-							66.8	2480.4	-6169	0.1	-1360	-75683



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.688;45.015;0.0 grados] (Diámetro 50)	21.40/24.65	Peso propio	477.5	-32.9	29.8	-20.8	18.7	0.0	477.5	295.6	21525	-20.8	18.7	950.1
		Cargas muertas	477.7	-12.1	10.0	-7.4	6.0	0.0	477.7	316.5	21514	-7.4	6.0	336.2
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-0.1	-5.5	0.0	-0.0	-0.4
		Sobrecarga de uso	222.5	-12.8	11.6	-8.3	7.3	0.0	222.5	140.3	10029	-8.3	7.3	377.1
		Viento +X exc.+	-6.9	7.2	0.5	5.5	0.4	-0.0	-6.9	2.4	-311.5	5.5	0.4	-246.0
		Viento +X exc.-	-7.6	7.1	-0.1	5.4	-0.1	0.0	-7.6	1.9	-341.3	5.4	-0.1	-242.7
		Viento -X exc.+	6.9	-7.2	-0.5	-5.5	-0.4	0.0	6.9	-2.4	311.5	-5.5	-0.4	246.0
		Viento -X exc.-	7.6	-7.1	0.1	-5.4	0.1	0.0	7.6	-1.9	341.3	-5.4	0.1	242.7
		Viento +Y exc.+	22.3	-1.9	13.0	-1.5	7.5	0.1	22.3	13.5	1017.5	-1.5	7.5	73.0
		Viento +Y exc.-	33.5	0.0	23.6	-0.1	15.1	-0.0	33.5	23.0	1530.1	-0.1	15.1	15.1
		Viento -Y exc.+	-22.3	1.9	-13.0	1.5	-7.5	-0.1	-22.3	-13.5	-1018	1.5	-7.5	-73.0
		Viento -Y exc.-	-33.5	-0.0	-23.6	0.1	-15.1	0.0	-33.5	-23.0	-1530	0.1	-15.1	-15.1
P2 [8.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	681.5	3.5	30.9	2.2	21.0	0.0	681.5	5958.3	30725	2.2	21.0	82.6
		Cargas muertas	503.5	0.9	-6.0	0.6	-2.8	0.0	503.5	4400.6	22672	0.6	-2.8	-50.2
		H 1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.7	3.7	0.0	0.0	-0.3
		Sobrecarga de uso	334.8	1.2	11.7	0.8	8.2	0.0	334.8	2926.9	15093	0.8	8.2	34.3
		Viento +X exc.+	1.5	12.4	0.8	8.7	0.5	-0.0	1.5	25.9	70.2	8.7	0.5	-389.1
		Viento +X exc.-	0.7	12.2	0.1	8.6	0.1	0.0	0.7	18.5	32.2	8.6	0.1	-387.1
		Viento -X exc.+	-1.5	-12.4	-0.8	-8.7	-0.5	0.0	-1.5	-25.9	-70.2	-8.7	-0.5	389.1
		Viento -X exc.-	-0.7	-12.2	-0.1	-8.6	-0.1	0.0	-0.7	-18.5	-32.2	-8.6	-0.1	387.1
		Viento +Y exc.+	30.2	-2.8	17.3	-2.1	10.5	0.1	30.2	261.5	1379.2	-2.1	10.5	186.0
		Viento +Y exc.-	44.7	0.6	28.3	0.2	18.2	-0.0	44.7	391.2	2041.9	0.2	18.2	150.1
		Viento -Y exc.+	-30.2	2.8	-17.3	2.1	-10.5	-0.1	-30.2	-261.5	-1379	2.1	-10.5	-186.0
		Viento -Y exc.-	-44.7	-0.6	-28.3	-0.2	-18.2	0.0	-44.7	-391.2	-2042	-0.2	-18.2	-150.1
P3 [16.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	663.5	0.5	30.7	0.3	20.9	0.0	663.5	11106	29913	0.3	20.9	336.4
		Cargas muertas	506.2	0.4	-6.0	0.2	-2.8	0.0	506.2	8473.6	22794	0.2	-2.8	-56.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.0	0.0	0.2
		Sobrecarga de uso	320.2	0.3	11.7	0.2	8.2	0.0	320.2	5359.8	14434	0.2	8.2	129.7
		Viento +X exc.+	0.9	12.1	0.7	8.6	0.4	-0.0	0.9	27.5	42.1	8.6	0.4	-378.4
		Viento +X exc.-	0.3	12.0	0.1	8.4	0.1	0.0	0.3	16.3	11.7	8.4	0.1	-378.7
		Viento -X exc.+	-0.9	-12.1	-0.7	-8.6	-0.4	0.0	-0.9	-27.5	-42.1	-8.6	-0.4	378.4
		Viento -X exc.-	-0.3	-12.0	-0.1	-8.4	-0.1	0.0	-0.3	-16.3	-11.7	-8.4	-0.1	378.7
		Viento +Y exc.+	28.3	-2.7	19.0	-2.0	11.9	0.1	28.3	470.9	1293.3	-2.0	11.9	291.0
		Viento +Y exc.-	39.7	0.6	28.2	0.2	18.3	-0.0	39.7	665.6	1817.4	0.2	18.3	295.0
		Viento -Y exc.+	-28.3	2.7	-19.0	2.0	-11.9	-0.1	-28.3	-470.9	-1293	2.0	-11.9	-291.0
		Viento -Y exc.-	-39.7	-0.6	-28.2	-0.2	-18.3	0.0	-39.7	-665.6	-1817	-0.2	-18.3	-295.0
P4 [24.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	670.9	2.0	30.7	1.3	20.9	0.0	670.9	16599	30249	1.3	20.9	456.7
		Cargas muertas	509.4	0.6	-5.9	0.4	-2.7	0.0	509.4	12602	22938	0.4	-2.7	-86.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.0	0.0	0.3
		Sobrecarga de uso	326.3	0.5	11.5	0.3	8.0	0.0	326.3	8071.4	14706	0.3	8.0	183.0
		Viento +X exc.+	0.7	12.3	0.6	8.6	0.4	-0.0	0.7	28.8	30.8	8.6	0.4	-379.2
		Viento +X exc.-	0.0	12.1	0.2	8.5	0.1	0.0	0.0	13.3	2.4	8.5	0.1	-381.2
		Viento -X exc.+	-0.7	-12.3	-0.6	-8.6	-0.4	0.0	-0.7	-28.8	-30.8	-8.6	-0.4	379.2
		Viento -X exc.-	-0.0	-12.1	-0.2	-8.5	-0.1	0.0	-0.0	-13.3	-2.4	-8.5	-0.1	381.2
		Viento +Y exc.+	35.3	-3.5	21.7	-2.6	13.9	0.1	35.3	870.3	1612.7	-2.6	13.9	460.7
		Viento +Y exc.-	45.9	-0.5	29.2	-0.5	19.1	-0.0	45.9	1136.2	2098.7	-0.5	19.1	494.1
		Viento -Y exc.+	-35.3	3.5	-21.7	2.6	-13.9	-0.1	-35.3	-870.3	-1613	2.6	-13.9	-460.7
		Viento -Y exc.-	-45.9	0.5	-29.2	0.5	-19.1	0.0	-45.9	-1136	-2099	0.5	-19.1	-494.1
P5 [32.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	642.5	0.3	22.3	0.2	15.4	0.0	642.5	21033	28959	0.2	15.4	495.0
		Cargas muertas	499.9	-0.1	-9.3	-0.1	-4.9	0.0	499.9	16365	22505	-0.1	-4.9	-159.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	0.0	0.0	0.4
		Sobrecarga de uso	313.1	0.2	7.6	0.1	5.5	0.0	313.1	10250	14108	0.1	5.5	174.9
		Viento +X exc.+	1.5	12.2	0.6	8.6	0.4	-0.0	1.5	60.6	67.2	8.6	0.4	-374.7
		Viento +X exc.-	0.6	12.1	0.2	8.5	0.1	0.0	0.6	30.8	25.9	8.5	0.1	-378.5
		Viento -X exc.+	-1.5	-12.2	-0.6	-8.6	-0.4	0.0	-1.5	-60.6	-67.2	-8.6	-0.4	374.7
		Viento -X exc.-	-0.6	-12.1	-0.2	-8.5	-0.1	0.0	-0.6	-30.8	-25.9	-8.5	-0.1	378.5
		Viento +Y exc.+	67.6	-3.8	30.2	-2.7	19.7	0.1	67.6	2209.4	3075.1	-2.7	19.7	767.7
		Viento +Y exc.-	83.4	-0.7	37.5	-0.6	24.6	-0.0	83.4	2729.7	3794.0	-0.6	24.6	832.0
		Viento -Y exc.+	-67.6	3.8	-30.2	2.7	-19.7	-0.1	-67.6	-2209	-3075	2.7	-19.7	-767.7
		Viento -Y exc.-	-83.4	0.7	-37.5	0.6	-24.6	0.0	-83.4	-2730	-3794	0.6	-24.6	-832.0
P6 [40.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	628.3	1.7	21.8	1.2	15.1	0.0	628.3	25598	28321	1.2	15.1	561.6
		Cargas muertas	493.2	0.8	-9.4	0.5	-5.0	0.0	493.2	20094	22206	0.5	-5.0	-226.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.7	0.0	0.0	0.5
		Sobrecarga de uso	306.6	0.4	7.4	0.3	5.4	0.0	306.6	12490	13815	0.3	5.4	203.9
		Viento +X exc.+	-0.2	12.5	0.2	8.8	0.1	-0.0	-0.2	5.9	-7.1	8.8	0.1	-388.9





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-0.8	12.3	-0.1	8.6	-0.0	0.0	-0.8	-18.8	-34.4	8.6	-0.0	-390.5
		Viento -X exc.+	0.2	-12.5	-0.2	-8.8	-0.1	0.0	0.2	-5.9	7.1	-8.8	-0.1	388.9
		Viento -X exc.-	0.8	-12.3	0.1	-8.6	0.0	0.0	0.8	18.8	34.4	-8.6	0.0	390.5
		Viento +Y exc.+	68.7	-2.6	32.1	-2.0	21.2	0.1	68.7	2796.1	3126.3	-2.0	21.2	953.7
		Viento +Y exc.-	78.7	0.8	37.0	0.3	24.4	-0.0	78.7	3206.2	3580.9	0.3	24.4	978.0
		Viento -Y exc.+	-68.7	2.6	-32.1	2.0	-21.2	-0.1	-68.7	-2796	-3126	2.0	-21.2	-953.7
		Viento -Y exc.-	-78.7	-0.8	-37.0	-0.3	-24.4	0.0	-78.7	-3206	-3581	-0.3	-24.4	-978.0
P7 [48.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	717.2	-19.2	32.7	-12.3	22.3	0.0	717.2	34936	32336	-12.3	22.3	1640.2
		Cargas muertas	518.5	-8.3	-4.5	-5.3	-1.7	0.0	518.5	25262	23348	-5.3	-1.7	153.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.5
		Sobrecarga de uso	337.5	-5.6	11.6	-3.6	8.2	0.0	337.5	16445	15214	-3.6	8.2	560.8
		Viento +X exc.+	2.6	9.7	0.1	7.1	0.1	-0.0	2.6	137.7	118.4	7.1	0.1	-313.1
		Viento +X exc.-	2.4	9.5	0.0	7.0	0.1	0.0	2.4	127.8	109.3	7.0	0.1	-311.2
		Viento -X exc.+	-2.6	-9.7	-0.1	-7.1	-0.1	0.0	-2.6	-137.7	-118.4	-7.1	-0.1	313.1
		Viento -X exc.-	-2.4	-9.5	-0.0	-7.0	-0.1	0.0	-2.4	-127.8	-109.3	-7.0	-0.1	311.2
		Viento +Y exc.+	38.9	-2.2	26.6	-1.8	17.9	0.1	38.9	1894.8	1779.7	-1.8	17.9	953.3
		Viento +Y exc.-	42.4	0.5	28.4	0.2	19.0	-0.0	42.4	2066.2	1937.4	0.2	19.0	918.4
		Viento -Y exc.+	-38.9	2.2	-26.6	1.8	-17.9	-0.1	-38.9	-1895	-1780	1.8	-17.9	-953.3
		Viento -Y exc.-	-42.4	-0.5	-28.4	-0.2	-19.0	0.0	-42.4	-2066	-1937	-0.2	-19.0	-918.4
P8 [56.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	658.3	1.6	27.7	1.1	19.1	0.0	658.3	37354	29678	1.1	19.1	1033.3
		Cargas muertas	502.1	-0.8	-6.9	-0.5	-3.3	0.0	502.1	28486	22606	-0.5	-3.3	-164.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.3	0.0	0.0	0.6
		Sobrecarga de uso	320.7	0.1	10.3	0.1	7.3	0.0	320.7	18199	14457	0.1	7.3	411.4
		Viento +X exc.+	-1.4	12.3	0.1	8.7	0.0	-0.0	-1.4	-69.8	-65.1	8.7	0.0	-387.1
		Viento +X exc.-	-1.5	12.1	0.0	8.5	0.1	0.0	-1.5	-71.3	-66.2	8.5	0.1	-380.7
		Viento -X exc.+	1.4	-12.3	-0.1	-8.7	-0.0	0.0	1.4	69.8	65.1	-8.7	-0.0	387.1
		Viento -X exc.-	1.5	-12.1	-0.0	-8.5	-0.1	0.0	1.5	71.3	66.2	-8.5	-0.1	380.7
		Viento +Y exc.+	36.5	-3.1	26.6	-2.3	18.3	0.1	36.5	2067.8	1670.5	-2.3	18.3	1139.8
		Viento +Y exc.-	37.1	0.1	26.6	-0.1	18.0	-0.0	37.1	2105.0	1697.5	-0.1	18.0	1024.6
		Viento -Y exc.+	-36.5	3.1	-26.6	2.3	-18.3	-0.1	-36.5	-2068	-1671	2.3	-18.3	-1140
		Viento -Y exc.-	-37.1	-0.1	-26.6	0.1	-18.0	0.0	-37.1	-2105	-1697	0.1	-18.0	-1025
P9 [64.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	660.0	0.0	27.5	0.0	19.0	0.0	660.0	42727	29754	0.0	19.0	1225.8
		Cargas muertas	507.4	-0.1	-6.4	-0.0	-2.9	0.0	507.4	32850	22848	-0.0	-2.9	-187.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.5	0.0	0.0	0.7
		Sobrecarga de uso	324.0	0.0	10.6	0.0	7.5	0.0	324.0	20976	14604	0.0	7.5	486.2
		Viento +X exc.+	-0.1	11.9	-0.0	8.4	-0.0	-0.0	-0.1	6.8	-3.6	8.4	-0.0	-380.7
		Viento +X exc.-	-0.0	11.8	0.1	8.3	0.1	0.0	-0.0	10.6	-0.7	8.3	0.1	-369.4
		Viento -X exc.+	0.1	-11.9	0.0	-8.4	0.0	0.0	0.1	-6.8	3.6	-8.4	0.0	380.7
		Viento -X exc.-	0.0	-11.8	-0.1	-8.3	-0.1	0.0	0.0	-10.6	0.7	-8.3	-0.1	369.4
		Viento +Y exc.+	36.2	-2.9	27.9	-2.2	19.4	0.1	36.2	2342.4	1659.6	-2.2	19.4	1354.5
		Viento +Y exc.-	35.0	0.2	26.1	-0.0	17.8	-0.0	35.0	2267.7	1603.6	-0.0	17.8	1154.5
		Viento -Y exc.+	-36.2	2.9	-27.9	2.2	-19.4	-0.1	-36.2	-2342	-1660	2.2	-19.4	-1354
		Viento -Y exc.-	-35.0	-0.2	-26.1	0.0	-17.8	0.0	-35.0	-2268	-1604	0.0	-17.8	-1155
P10 [72.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	664.6	1.0	27.6	0.7	19.0	0.0	664.6	48341	29960	0.7	19.0	1352.7
		Cargas muertas	509.2	0.5	-6.4	0.3	-2.9	0.0	509.2	37037	22926	0.3	-2.9	-226.4
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.4	0.0	0.0	0.8
		Sobrecarga de uso	325.3	0.4	10.4	0.2	7.4	0.0	325.3	23662	14662	0.2	7.4	529.4
		Viento +X exc.+	0.2	12.0	-0.0	8.5	-0.0	-0.0	0.2	27.4	9.5	8.5	-0.0	-382.9
		Viento +X exc.-	0.4	11.8	0.2	8.4	0.2	0.0	0.4	40.1	17.7	8.4	0.2	-365.6
		Viento -X exc.+	-0.2	-12.0	0.0	-8.5	0.0	0.0	-0.2	-27.4	-9.5	-8.5	0.0	382.9
		Viento -X exc.-	-0.4	-11.8	-0.2	-8.4	-0.2	0.0	-0.4	-40.1	-17.7	-8.4	-0.2	365.6
		Viento +Y exc.+	39.2	-2.9	29.6	-2.2	20.7	0.1	39.2	2851.4	1796.9	-2.2	20.7	1608.1
		Viento +Y exc.-	35.9	0.2	26.0	-0.0	17.9	-0.0	35.9	2615.0	1645.1	-0.0	17.9	1302.8
		Viento -Y exc.+	-39.2	2.9	-29.6	2.2	-20.7	-0.1	-39.2	-2851	-1797	2.2	-20.7	-1608
		Viento -Y exc.-	-35.9	-0.2	-26.0	0.0	-17.9	0.0	-35.9	-2615	-1645	0.0	-17.9	-1303
P11 [80.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	660.5	0.6	27.6	0.4	19.1	0.0	660.5	53327	29776	0.4	19.1	1521.1
		Cargas muertas	508.1	0.3	-6.2	0.1	-2.8	0.0	508.1	41024	22879	0.1	-2.8	-229.1
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.5	0.0	0.0	0.9
		Sobrecarga de uso	324.5	0.2	10.6	0.1	7.5	0.0	324.5	26199	14626	0.1	7.5	602.9
		Viento +X exc.+	-0.1	12.0	-0.1	8.5	-0.1	-0.0	-0.1	6.8	-3.0	8.5	-0.1	-389.7
		Viento +X exc.-	0.2	11.8	0.2	8.4	0.1	0.0	0.2	30.7	10.7	8.4	0.1	-365.2
		Viento -X exc.+	0.1	-12.0	0.1	-8.5	0.1	0.0	0.1	-6.8	3.0	-8.5	0.1	389.7
		Viento -X exc.-	-0.2	-11.8	-0.2	-8.4	-0.1	0.0	-0.2	-30.7	-10.7	-8.4	-0.1	365.2
		Viento +Y exc.+	38.6	-3.0	31.1	-2.2	22.0	0.1	38.6	3111.7	1768.6	-2.2	22.0	1880.2
		Viento +Y exc.-	33.2	0.2	25.8	-0.1	17.9	-0.0	33.2	2681.8	1521.7	-0.1	17.9	1448.6





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-38.6	3.0	-31.1	2.2	-22.0	-0.1	-38.6	-3112	-1769	2.2	-22.0	-1880
		Viento -Y exc.-	-33.2	-0.2	-25.8	0.1	-17.9	0.0	-33.2	-2682	-1522	0.1	-17.9	-1449
P12 [88.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	664.7	2.5	27.3	1.6	18.9	0.0	664.7	58987	29965	1.6	18.9	1601.8
		Cargas muertas	509.2	1.7	-6.4	1.1	-2.9	0.0	509.2	45186	22927	1.1	-2.9	-302.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.5	0.0	0.0	0.9
		Sobrecarga de uso	324.8	0.8	10.3	0.5	7.4	0.0	324.8	28827	14641	0.5	7.4	633.5
		Viento +X exc.+	-0.1	12.3	-0.3	8.7	-0.2	-0.0	-0.1	1.5	-5.8	8.7	-0.2	-407.9
		Viento +X exc.-	0.3	12.1	0.1	8.5	0.1	0.0	0.3	39.4	13.9	8.5	0.1	-374.5
		Viento -X exc.+	0.1	-12.3	0.3	-8.7	0.2	0.0	0.1	-1.5	5.8	-8.7	0.2	407.9
		Viento -X exc.-	-0.3	-12.1	-0.1	-8.5	-0.1	0.0	-0.3	-39.4	-13.9	-8.5	-0.1	374.5
		Viento +Y exc.+	42.3	-3.1	33.1	-2.3	23.6	0.1	42.3	3747.4	1936.7	-2.3	23.6	2199.9
		Viento +Y exc.-	34.6	0.1	26.0	-0.1	18.1	-0.0	34.6	3068.9	1583.5	-0.1	18.1	1614.1
		Viento -Y exc.+	-42.3	3.1	-33.1	2.3	-23.6	-0.1	-42.3	-3747	-1937	2.3	-23.6	-2200
		Viento -Y exc.-	-34.6	-0.1	-26.0	0.1	-18.1	0.0	-34.6	-3069	-1584	0.1	-18.1	-1614
P13 [96.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	665.1	1.3	29.6	0.8	20.3	0.0	665.1	64344	29986	0.8	20.3	1929.8
		Cargas muertas	508.4	0.9	-5.3	0.5	-2.2	0.0	508.4	49183	22893	0.5	-2.2	-239.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.5	0.0	0.0	1.1
		Sobrecarga de uso	324.4	0.6	11.3	0.4	8.0	0.0	324.4	31381	14622	0.4	8.0	756.8
		Viento +X exc.+	-0.2	12.2	-0.3	8.6	-0.2	-0.0	-0.2	-6.9	-9.2	8.6	-0.2	-406.2
		Viento +X exc.-	0.4	12.0	0.3	8.5	0.2	0.0	0.4	47.3	16.6	8.5	0.2	-362.6
		Viento -X exc.+	0.2	-12.2	0.3	-8.6	0.2	0.0	0.2	6.9	9.2	-8.6	0.2	406.2
		Viento -X exc.-	-0.4	-12.0	-0.3	-8.5	-0.2	0.0	-0.4	-47.3	-16.6	-8.5	-0.2	362.6
		Viento +Y exc.+	42.4	-2.5	36.0	-1.9	25.7	0.1	42.4	4102.3	1947.1	-1.9	25.7	2577.3
		Viento +Y exc.-	32.6	0.6	26.8	0.2	18.8	-0.0	32.6	3156.4	1496.1	0.2	18.8	1809.8
		Viento -Y exc.+	-42.4	2.5	-36.0	1.9	-25.7	-0.1	-42.4	-4102	-1947	1.9	-25.7	-2577
		Viento -Y exc.-	-32.6	-0.6	-26.8	-0.2	-18.8	0.0	-32.6	-3156	-1496	-0.2	-18.8	-1810
P14 [104.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	675.6	0.9	32.5	0.6	22.2	0.0	675.6	70760	30460	0.6	22.2	2299.7
		Cargas muertas	514.5	0.1	-4.3	0.0	-1.5	0.0	514.5	53891	23170	0.0	-1.5	-164.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.0	0.0	1.0
		Sobrecarga de uso	328.9	0.1	11.7	0.0	8.3	0.0	328.9	34447	14825	0.0	8.3	865.6
		Viento +X exc.+	-0.7	12.2	-0.4	8.6	-0.3	-0.0	-0.7	-59.0	-31.0	8.6	-0.3	-418.4
		Viento +X exc.-	0.0	12.0	0.2	8.5	0.2	0.0	0.0	15.2	1.6	8.5	0.2	-363.4
		Viento -X exc.+	0.7	-12.2	0.4	-8.6	0.3	0.0	0.7	59.0	31.0	-8.6	0.3	418.4
		Viento -X exc.-	-0.0	-12.0	-0.2	-8.5	-0.2	0.0	-0.0	-15.2	-1.6	-8.5	-0.2	363.4
		Viento +Y exc.+	47.9	-2.8	37.8	-2.1	27.2	0.1	47.9	5013.6	2195.0	-2.1	27.2	2945.5
		Viento +Y exc.-	35.3	0.3	26.7	0.0	18.9	-0.0	35.3	3702.7	1618.9	0.0	18.9	1979.8
		Viento -Y exc.+	-47.9	2.8	-37.8	2.1	-27.2	-0.1	-47.9	-5014	-2195	2.1	-27.2	-2946
		Viento -Y exc.-	-35.3	-0.3	-26.7	-0.0	-18.9	0.0	-35.3	-3703	-1619	-0.0	-18.9	-1980
P15 [112.738;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	695.2	0.3	33.9	0.2	23.1	0.0	695.2	78377	31346	0.2	23.1	2593.9
		Cargas muertas	514.4	0.9	-3.6	0.6	-1.1	0.0	514.4	57990	23163	0.6	-1.1	-153.0
		H 1	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	7.7	3.1	-0.0	0.0	1.1
		Sobrecarga de uso	343.4	0.1	12.3	0.0	8.7	0.0	343.4	38713	15478	0.0	8.7	974.7
		Viento +X exc.+	-1.4	12.4	-0.7	8.7	-0.5	-0.0	-1.4	-147.9	-64.7	8.7	-0.5	-446.0
		Viento +X exc.-	-0.5	12.3	0.1	8.6	0.1	0.0	-0.5	-47.2	-23.7	8.6	0.1	-378.4
		Viento -X exc.+	1.4	-12.4	0.7	-8.7	0.5	0.0	1.4	147.9	64.7	-8.7	0.5	446.0
		Viento -X exc.-	0.5	-12.3	-0.1	-8.6	-0.1	0.0	0.5	47.2	23.7	-8.6	-0.1	378.4
		Viento +Y exc.+	50.4	-2.8	39.5	-2.1	28.6	0.1	50.4	5679.2	2309.5	-2.1	28.6	3318.6
		Viento +Y exc.-	34.9	0.4	26.5	0.1	18.9	-0.0	34.9	3936.6	1599.1	0.1	18.9	2132.3
		Viento -Y exc.+	-50.4	2.8	-39.5	2.1	-28.6	-0.1	-50.4	-5679	-2310	2.1	-28.6	-3319
		Viento -Y exc.-	-34.9	-0.4	-26.5	-0.1	-18.9	0.0	-34.9	-3937	-1599	-0.1	-18.9	-2132
P16 [120.813;45.040;0.0 grados] (45x45)	21.40/24.65	Peso propio	477.0	33.5	27.0	21.7	17.7	0.0	477.0	57663	21512	21.7	17.7	1156.0
		Cargas muertas	481.0	9.9	7.0	6.7	5.0	0.0	481.0	58127	21673	6.7	5.0	304.5
		H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	-13.7	-5.1	-0.0	-0.0	-2.0
		Sobrecarga de uso	222.3	12.5	9.8	8.4	6.6	0.0	222.3	26871	10023	8.4	6.6	419.3
		Viento +X exc.+	6.9	7.4	-0.5	5.6	-0.4	-0.0	6.9	839.6	309.8	5.6	-0.4	-296.0
		Viento +X exc.-	7.7	7.3	0.2	5.5	0.2	0.0	7.7	932.2	345.0	5.5	0.2	-225.3
		Viento -X exc.+	-6.9	-7.4	0.5	-5.6	0.4	0.0	-6.9	-839.6	-309.8	-5.6	0.4	296.0
		Viento -X exc.-	-7.7	-7.3	-0.2	-5.5	-0.2	0.0	-7.7	-932.2	-345.0	-5.5	-0.2	225.3
		Viento +Y exc.+	41.9	-1.6	35.5	-1.4	26.4	0.1	41.9	5061.3	1923.0	-1.4	26.4	3254.9
		Viento +Y exc.-	28.6	0.3	22.7	0.0	16.7	-0.0	28.6	3451.7	1309.4	0.0	16.7	2014.4
		Viento -Y exc.+	-41.9	1.6	-35.5	1.4	-26.4	-0.1	-41.9	-5061	-1923	1.4	-26.4	-3255
		Viento -Y exc.-	-28.6	-0.3	-22.7	-0.0	-16.7	0.0	-28.6	-3452	-1309	-0.0	-16.7	-2014
P17 [0.663;38.465;0.0 grados] (Diámetro 45)	21.40/24.65	Peso propio	661.5	-28.2	0.4	-18.9	0.3	0.0	661.5	410.3	25445	-18.9	0.3	725.3
		Cargas muertas	452.2	7.6	-0.9	4.1	-0.6	0.0	452.2	307.4	17395	4.1	-0.6	-159.3
		H 1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	5.5	-0.0	-0.0	0.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	325.6	-10.7	0.8	-7.4	0.4	0.0	325.6	205.1	12525	-7.4	0.4	284.0
		Viento +X exc.+	-8.5	7.9	0.9	5.5	0.6	-0.0	-8.5	2.2	-326.5	5.5	0.6	-209.8
		Viento +X exc.-	-8.4	7.8	-0.0	5.4	-0.0	0.0	-8.4	2.2	-324.5	5.4	-0.0	-209.3
		Viento -X exc.+	8.5	-7.9	-0.9	-5.5	-0.6	0.0	8.5	-2.2	326.5	-5.5	-0.6	209.8
		Viento -X exc.-	8.4	-7.8	0.0	-5.4	0.0	0.0	8.4	-2.2	324.5	-5.4	0.0	209.3
		Viento +Y exc.+	-2.3	-0.7	18.5	-0.5	11.3	0.1	-2.3	-2.3	-71.9	-0.5	11.3	28.0
		Viento +Y exc.-	-3.8	-0.2	34.8	-0.1	21.9	-0.0	-3.8	-2.7	-110.0	-0.1	21.9	19.4
		Viento -Y exc.+	2.3	0.7	-18.5	0.5	-11.3	-0.1	2.3	2.3	71.9	0.5	-11.3	-28.0
		Viento -Y exc.-	3.8	0.2	-34.8	0.1	-21.9	0.0	3.8	2.7	110.0	0.1	-21.9	-19.4
P18 [8.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	949.5	15.6	-13.3	10.1	-8.7	0.0	949.5	8311.9	36508	10.1	-8.7	-463.7
		Cargas muertas	352.4	6.8	-8.7	4.4	-5.7	0.0	352.4	3085.9	13546	4.4	-5.7	-218.9
		H 1	-0.1	-0.0	0.0	-0.0	0.0	0.0	-0.1	-0.7	-2.8	-0.0	0.0	0.3
		Sobrecarga de uso	472.6	5.7	-4.7	3.8	-3.3	0.0	472.6	4134.9	18173	3.8	-3.3	-175.9
		Viento +X exc.+	0.8	12.4	0.8	8.7	0.5	-0.0	0.8	19.5	32.0	8.7	0.5	-329.3
		Viento +X exc.-	0.9	12.3	-0.1	8.7	-0.1	0.0	0.9	20.3	34.8	8.7	-0.1	-333.4
		Viento -X exc.+	-0.8	-12.4	-0.8	-8.7	-0.5	0.0	-0.8	-19.5	-32.0	-8.7	-0.5	329.3
		Viento -X exc.-	-0.9	-12.3	0.1	-8.7	0.1	0.0	-0.9	-20.3	-34.8	-8.7	0.1	333.4
		Viento +Y exc.+	-2.1	-1.5	23.9	-1.1	14.7	0.1	-2.1	-19.9	-57.1	-1.1	14.7	168.6
		Viento +Y exc.-	-3.9	-0.7	39.3	-0.5	25.1	-0.0	-3.9	-34.9	-111.1	-0.5	25.1	238.9
		Viento -Y exc.+	2.1	1.5	-23.9	1.1	-14.7	-0.1	2.1	19.9	57.1	1.1	-14.7	-168.6
		Viento -Y exc.-	3.9	0.7	-39.3	0.5	-25.1	0.0	3.9	34.9	111.1	0.5	-25.1	-238.9
P19 [16.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	1019.6	-0.1	1.2	-0.1	0.6	0.0	1019.6	17065	39218	-0.1	0.6	12.3
		Cargas muertas	406.6	0.3	-1.3	0.2	-1.0	0.0	406.6	6806.0	15639	0.2	-1.0	-23.2
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.7	-1.6	0.0	0.0	0.1
		Sobrecarga de uso	521.7	0.1	1.4	0.1	0.7	0.0	521.7	8732.3	20069	0.1	0.7	10.4
		Viento +X exc.+	0.3	13.6	1.0	9.4	0.6	-0.0	0.3	18.6	12.6	9.4	0.6	-352.2
		Viento +X exc.-	0.2	13.5	0.1	9.4	0.1	0.0	0.2	17.2	8.7	9.4	0.1	-359.7
		Viento -X exc.+	-0.3	-13.6	-1.0	-9.4	-0.6	0.0	-0.3	-18.6	-12.6	-9.4	-0.6	352.2
		Viento -X exc.-	-0.2	-13.5	-0.1	-9.4	-0.1	0.0	-0.2	-17.2	-8.7	-9.4	-0.1	359.7
		Viento +Y exc.+	3.0	-1.1	29.9	-0.8	18.6	0.1	3.0	48.8	144.5	-0.8	18.6	342.3
		Viento +Y exc.-	4.3	0.2	44.6	0.1	28.4	-0.0	4.3	72.1	209.8	0.1	28.4	472.1
		Viento -Y exc.+	-3.0	1.1	-29.9	0.8	-18.6	-0.1	-3.0	-48.8	-144.5	0.8	-18.6	-342.3
		Viento -Y exc.-	-4.3	-0.2	-44.6	-0.1	-28.4	0.0	-4.3	-72.1	-209.8	-0.1	-28.4	-472.1
P20 [24.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	864.2	-1.2	-12.2	-0.6	-7.9	0.0	864.2	21378	33230	-0.6	-7.9	-173.5
		Cargas muertas	331.2	-0.9	-7.7	-0.6	-5.0	0.0	331.2	8191.0	12730	-0.6	-5.0	-102.8
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.9	-1.5	0.0	0.0	0.2
		Sobrecarga de uso	432.2	-0.1	-4.2	-0.0	-2.9	0.0	432.2	10691	16620	-0.0	-2.9	-70.9
		Viento +X exc.+	-2.6	12.2	0.7	8.6	0.5	-0.0	-2.6	-51.9	-99.0	8.6	0.5	-319.3
		Viento +X exc.-	-2.6	12.2	0.2	8.6	0.1	0.0	-2.6	-53.2	-101.5	8.6	0.1	-327.7
		Viento -X exc.+	2.6	-12.2	-0.7	-8.6	-0.5	0.0	2.6	51.9	99.0	-8.6	-0.5	319.3
		Viento -X exc.-	2.6	-12.2	-0.2	-8.6	-0.1	0.0	2.6	53.2	101.5	-8.6	-0.1	327.7
		Viento +Y exc.+	8.8	-2.0	27.7	-1.4	17.6	0.1	8.8	215.1	365.2	-1.4	17.6	488.9
		Viento +Y exc.-	9.8	-1.1	37.7	-0.8	24.3	-0.0	9.8	242.5	416.5	-0.8	24.3	631.5
		Viento -Y exc.+	-8.8	2.0	-27.7	1.4	-17.6	-0.1	-8.8	-215.1	-365.2	1.4	-17.6	-488.9
		Viento -Y exc.-	-9.8	1.1	-37.7	0.8	-24.3	0.0	-9.8	-242.5	-416.5	0.8	-24.3	-631.5
P21 [32.738;38.465;0.0 grados] (45x50)	21.40/24.65	Peso propio	288.1	8.5	-12.9	2.2	-20.4	0.2	288.1	9439.8	11068	2.2	-20.4	-752.0
		Cargas muertas	86.3	4.7	-7.1	1.1	-11.8	0.1	86.3	2829.0	3311.4	1.1	-11.8	-427.5
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.8	-0.9	0.0	0.0	0.3
		Sobrecarga de uso	134.0	3.4	-4.5	0.9	-7.2	0.1	134.0	4388.7	5147.9	0.9	-7.2	-268.0
		Viento +X exc.+	-18.4	6.8	-1.5	6.7	0.3	0.0	-18.4	-596.2	-710.1	6.7	0.3	-248.4
		Viento +X exc.-	-15.1	6.9	-1.6	6.6	-0.0	0.0	-15.1	-487.9	-582.9	6.6	-0.0	-255.7
		Viento -X exc.+	18.4	-6.8	1.5	-6.7	-0.3	-0.0	18.4	596.2	710.1	-6.7	-0.3	248.4
		Viento -X exc.-	15.1	-6.9	1.6	-6.6	0.0	-0.0	15.1	487.9	582.9	-6.6	0.0	255.7
		Viento +Y exc.+	-51.3	-7.6	11.7	-0.7	25.2	-0.1	-51.3	-1686	-1961	-0.7	25.2	851.7
		Viento +Y exc.-	-104.8	-8.0	14.0	1.3	31.4	-0.3	-104.8	-3440	-4019	1.3	31.4	977.1
		Viento -Y exc.+	51.3	7.6	-11.7	0.7	-25.2	0.1	51.3	1686.2	1960.6	0.7	-25.2	-851.7
		Viento -Y exc.-	104.8	8.0	-14.0	-1.3	-31.4	0.3	104.8	3440.4	4018.9	-1.3	-31.4	-977.1
P22 [40.675;38.465;0.0 grados] (45x50)	21.40/24.65	Peso propio	270.4	-6.8	-12.0	-1.1	-19.6	-0.2	270.4	10993	10390	-1.1	-19.6	-755.7
		Cargas muertas	75.8	-3.7	-6.7	-0.5	-11.5	-0.1	75.8	3079.1	2908.6	-0.5	-11.5	-447.9
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.1	-1.0	0.0	0.0	0.3
		Sobrecarga de uso	120.7	-2.8	-4.3	-0.5	-7.2	-0.1	120.7	4905.5	4637.3	-0.5	-7.2	-273.3
		Viento +X exc.+	0.7	7.2	1.8	6.9	0.2	0.0	0.7	33.9	27.0	6.9	0.2	-258.9
		Viento +X exc.-	1.1	7.1	1.7	6.8	-0.0	0.0	1.1	53.6	45.7	6.8	-0.0	-263.9
		Viento -X exc.+	-0.7	-7.2	-1.8	-6.9	-0.2	-0.0	-0.7	-33.9	-27.0	-6.9	-0.2	258.9
		Viento -X exc.-	-1.1	-7.1	-1.7	-6.8	0.0	-0.0	-1.1	-53.6	-45.7	-6.8	0.0	263.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-163.3	5.6	10.9	-3.2	26.4	0.3	-163.3	-6637	-6270	-3.2	26.4	1195.8
		Viento +Y exc.-	-167.7	7.7	12.9	-1.6	30.1	0.3	-167.7	-6815	-6439	-1.6	30.1	1286.4
		Viento -Y exc.+	163.3	-5.6	-10.9	3.2	-26.4	-0.3	163.3	6636.6	6270.4	3.2	-26.4	-1196
		Viento -Y exc.-	167.7	-7.7	-12.9	1.6	-30.1	-0.3	167.7	6815.3	6439.4	1.6	-30.1	-1286
P23 [48.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	959.2	-15.4	-13.4	-10.0	-8.7	0.0	959.2	46734	36882	-10.0	-8.7	-40.5
		Cargas muertas	364.0	-4.9	-7.5	-3.2	-4.9	0.0	364.0	17734	13992	-3.2	-4.9	-113.7
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.8	-1.4	0.0	0.0	0.3
		Sobrecarga de uso	469.7	-4.6	-4.2	-3.1	-2.9	0.0	469.7	22886	18062	-3.1	-2.9	-24.0
		Viento +X exc.+	4.3	10.4	0.1	7.5	0.1	-0.0	4.3	221.2	166.4	7.5	0.1	-285.0
		Viento +X exc.-	4.3	10.3	-0.1	7.4	-0.0	0.0	4.3	220.2	165.6	7.4	-0.0	-287.2
		Viento -X exc.+	-4.3	-10.4	-0.1	-7.5	-0.1	0.0	-4.3	-221.2	-166.4	-7.5	-0.1	285.0
		Viento -X exc.-	-4.3	-10.3	0.1	-7.4	0.0	0.0	-4.3	-220.2	-165.6	-7.4	0.0	287.2
		Viento +Y exc.+	9.7	0.5	35.3	0.2	23.3	0.1	9.7	474.8	409.6	0.2	23.3	1124.6
		Viento +Y exc.-	10.1	1.7	37.6	1.0	24.6	-0.0	10.1	494.9	426.9	1.0	24.6	1160.4
		Viento -Y exc.+	-9.7	-0.5	-35.3	-0.2	-23.3	-0.1	-9.7	-474.8	-409.6	-0.2	-23.3	-1125
		Viento -Y exc.-	-10.1	-1.7	-37.6	-1.0	-24.6	0.0	-10.1	-494.9	-426.9	-1.0	-24.6	-1160
P24 [56.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	908.5	14.7	-13.5	9.4	-8.7	0.0	908.5	51563	34933	9.4	-8.7	-859.4
		Cargas muertas	351.6	5.8	-7.4	3.7	-4.8	0.0	351.6	19957	13518	3.7	-4.8	-416.5
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.3	-1.6	0.0	0.0	0.4
		Sobrecarga de uso	452.0	4.7	-4.8	3.1	-3.3	0.0	452.0	25653	17383	3.1	-3.3	-305.6
		Viento +X exc.+	-0.1	12.2	-0.0	8.6	-0.0	-0.0	-0.1	8.8	-2.3	8.6	-0.0	-330.7
		Viento +X exc.-	-0.0	12.1	-0.0	8.5	0.0	0.0	-0.0	10.3	-1.3	8.5	0.0	-328.1
		Viento -X exc.+	0.1	-12.2	0.0	-8.6	0.0	0.0	0.1	-8.8	2.3	-8.6	0.0	330.7
		Viento -X exc.-	0.0	-12.1	0.0	-8.5	-0.0	0.0	0.0	-10.3	1.3	-8.5	-0.0	328.1
		Viento +Y exc.+	0.0	-1.4	38.1	-1.0	25.3	0.1	0.0	0.6	39.5	-1.0	25.3	1474.6
		Viento +Y exc.-	-0.3	-0.3	37.9	-0.3	25.0	-0.0	-0.3	-18.5	25.6	-0.3	25.0	1426.0
		Viento -Y exc.+	-0.0	1.4	-38.1	1.0	-25.3	-0.1	-0.0	-0.6	-39.5	1.0	-25.3	-1475
		Viento -Y exc.-	0.3	0.3	-37.9	0.3	-25.0	0.0	0.3	18.5	-25.6	0.3	-25.0	-1426
P25 [64.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	1003.3	0.3	0.9	0.2	0.4	0.0	1003.3	64954	38594	0.2	0.4	21.7
		Cargas muertas	401.8	0.2	-0.8	0.1	-0.6	0.0	401.8	26011	15454	0.1	-0.6	-41.9
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.8	-1.6	0.0	0.0	0.4
		Sobrecarga de uso	518.2	0.0	0.9	0.0	0.4	0.0	518.2	33550	19935	0.0	0.4	27.8
		Viento +X exc.+	-0.6	12.9	0.0	9.0	0.0	-0.0	-0.6	-26.8	-23.5	9.0	0.0	-345.0
		Viento +X exc.-	-0.6	12.8	0.2	9.0	0.1	0.0	-0.6	-25.4	-22.5	9.0	0.1	-335.1
		Viento -X exc.+	0.6	-12.9	-0.0	-9.0	-0.0	0.0	0.6	26.8	23.5	-9.0	-0.0	345.0
		Viento -X exc.-	0.6	-12.8	-0.2	-9.0	-0.1	0.0	0.6	25.4	22.5	-9.0	-0.1	335.1
		Viento +Y exc.+	4.6	-0.8	43.4	-0.6	28.8	0.1	4.6	297.6	220.7	-0.6	28.8	1890.9
		Viento +Y exc.-	4.3	0.4	40.4	0.2	26.6	-0.0	4.3	278.2	205.5	0.2	26.6	1713.6
		Viento -Y exc.+	-4.6	0.8	-43.4	0.6	-28.8	-0.1	-4.6	-297.6	-220.7	0.6	-28.8	-1891
		Viento -Y exc.-	-4.3	-0.4	-40.4	-0.2	-26.6	0.0	-4.3	-278.2	-205.5	-0.2	-26.6	-1714
P26 [72.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	929.3	-8.3	-8.5	-5.2	-5.5	0.0	929.3	67584	35735	-5.2	-5.5	-202.5
		Cargas muertas	367.4	-3.9	-4.7	-2.5	-3.1	0.0	367.4	26720	14127	-2.5	-3.1	-129.2
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.9	-1.5	0.0	0.0	0.4
		Sobrecarga de uso	471.3	-3.3	-2.6	-2.1	-1.9	0.0	471.3	34276	18125	-2.1	-1.9	-54.7
		Viento +X exc.+	-0.3	11.9	0.1	8.4	0.1	-0.0	-0.3	-8.2	-10.6	8.4	0.1	-319.6
		Viento +X exc.-	-0.3	11.9	0.4	8.4	0.3	0.0	-0.3	-7.1	-9.6	8.4	0.3	-302.3
		Viento -X exc.+	0.3	-11.9	-0.1	-8.4	-0.1	0.0	0.3	8.2	10.6	-8.4	-0.1	319.6
		Viento -X exc.-	0.3	-11.9	-0.4	-8.4	-0.3	0.0	0.3	7.1	9.6	-8.4	-0.3	302.3
		Viento +Y exc.+	-0.0	-0.3	42.9	-0.3	28.9	0.1	-0.0	-0.5	42.7	-0.3	28.9	2116.0
		Viento +Y exc.-	-0.2	0.7	37.6	0.4	25.0	-0.0	-0.2	-13.5	30.1	0.4	25.0	1805.5
		Viento -Y exc.+	0.0	0.3	-42.9	0.3	-28.9	-0.1	0.0	0.5	-42.7	0.3	-28.9	-2116
		Viento -Y exc.-	0.2	-0.7	-37.6	-0.4	-25.0	0.0	0.2	13.5	-30.1	-0.4	-25.0	-1806
P27 [80.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	1006.0	0.8	1.5	0.5	0.8	0.0	1006.0	81223	38697	0.5	0.8	47.4
		Cargas muertas	406.5	0.2	0.2	0.1	0.1	0.0	406.5	32817	15635	0.1	0.1	1.1
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-3.7	-1.8	0.0	0.0	0.5
		Sobrecarga de uso	525.3	0.1	1.5	0.1	0.9	0.0	525.3	42413	20208	0.1	0.9	67.0
		Viento +X exc.+	-0.4	13.2	-0.2	9.2	-0.1	-0.0	-0.4	-19.7	-15.9	9.2	-0.1	-363.4
		Viento +X exc.-	-0.4	13.1	0.3	9.1	0.2	0.0	-0.4	-16.4	-13.7	9.1	0.2	-333.8
		Viento -X exc.+	0.4	-13.2	0.2	-9.2	0.1	0.0	0.4	19.7	15.9	-9.2	0.1	363.4
		Viento -X exc.-	0.4	-13.1	-0.3	-9.1	-0.2	0.0	0.4	16.4	13.7	-9.1	-0.2	333.8
		Viento +Y exc.+	5.0	-1.5	48.7	-1.1	32.7	0.1	5.0	404.4	242.0	-1.1	32.7	2682.2
		Viento +Y exc.-	4.1	-0.3	40.1	-0.2	26.6	-0.0	4.1	334.8	199.7	-0.2	26.6	2159.1
		Viento -Y exc.+	-5.0	1.5	-48.7	1.1	-32.7	-0.1	-5.0	-404.4	-242.0	1.1	-32.7	-2682
		Viento -Y exc.-	-4.1	0.3	-40.1	0.2	-26.6	0.0	-4.1	-334.8	-199.7	0.2	-26.6	-2159
P28 [88.738;38.465;0.0 grados]	21.40/24.65	Peso propio	919.3	-7.0	-11.4	-4.4	-7.4	0.0	919.3	81567	35348	-4.4	-7.4	-483.5



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(45x45)		Cargas muertas	359.9	-3.5	-6.2	-2.2	-4.0	0.0	359.9	31931	13836	-2.2	-4.0	-271.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-3.6	-1.6	0.0	0.0	0.5
		Sobrecarga de uso	460.5	-3.0	-4.2	-1.9	-2.9	0.0	460.5	40863	17710	-1.9	-2.9	-178.9
		Viento +X exc.+	-0.7	12.0	-0.2	8.5	-0.1	-0.0	-0.7	-48.1	-26.3	8.5	-0.1	-339.5
		Viento +X exc.-	-0.7	12.0	0.4	8.5	0.3	0.0	-0.7	-47.6	-25.5	8.5	0.3	-300.7
		Viento -X exc.+	0.7	-12.0	0.2	-8.5	0.1	0.0	0.7	48.1	26.3	-8.5	0.1	339.5
		Viento -X exc.-	0.7	-12.0	-0.4	-8.5	-0.3	0.0	0.7	47.6	25.5	-8.5	-0.3	300.7
		Viento +Y exc.+	0.4	-0.1	47.7	-0.2	32.5	0.1	0.4	38.2	64.3	-0.2	32.5	2894.4
		Viento +Y exc.-	0.5	0.8	37.2	0.4	25.1	-0.0	0.5	43.3	55.7	0.4	25.1	2207.1
		Viento -Y exc.+	-0.4	0.1	-47.7	0.2	-32.5	-0.1	-0.4	-38.2	-64.3	0.2	-32.5	-2894
		Viento -Y exc.-	-0.5	-0.8	-37.2	-0.4	-25.1	0.0	-0.5	-43.3	-55.7	-0.4	-25.1	-2207
P29 [96.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	1006.7	0.7	3.1	0.5	1.9	0.0	1006.7	97383	38724	0.5	1.9	164.1
		Cargas muertas	409.6	0.8	1.2	0.5	0.7	0.0	409.6	39629	15758	0.5	0.7	51.3
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-4.9	-1.9	0.0	0.0	0.6
		Sobrecarga de uso	530.3	0.6	2.2	0.4	1.3	0.0	530.3	51302	20401	0.4	1.3	112.2
		Viento +X exc.+	0.1	14.1	-0.5	9.7	-0.4	-0.0	0.1	25.9	4.2	9.7	-0.4	-407.4
		Viento +X exc.-	0.2	14.0	0.3	9.7	0.2	0.0	0.2	33.0	7.9	9.7	0.2	-347.8
		Viento -X exc.+	-0.1	-14.1	0.5	-9.7	0.4	0.0	-0.1	-25.9	-4.2	-9.7	0.4	407.4
		Viento -X exc.-	-0.2	-14.0	-0.3	-9.7	-0.2	0.0	-0.2	-33.0	-7.9	-9.7	-0.2	347.8
		Viento +Y exc.+	4.9	-1.0	58.0	-0.7	39.0	0.1	4.9	468.8	244.7	-0.7	39.0	3802.0
		Viento +Y exc.-	3.6	0.2	42.8	0.1	28.5	-0.0	3.6	352.2	182.8	0.1	28.5	2754.0
		Viento -Y exc.+	-4.9	1.0	-58.0	0.7	-39.0	-0.1	-4.9	-468.8	-244.7	0.7	-39.0	-3802
		Viento -Y exc.-	-3.6	-0.2	-42.8	-0.1	-28.5	0.0	-3.6	-352.2	-182.8	-0.1	-28.5	-2754
P30 [104.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	965.6	1.2	-6.0	0.9	-3.9	0.0	965.6	101135	37135	0.9	-3.9	-445.3
		Cargas muertas	364.8	3.1	-4.4	2.0	-2.8	0.0	364.8	38216	14029	2.0	-2.8	-374.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-2.8	-1.0	0.0	0.0	0.7
		Sobrecarga de uso	445.8	2.8	-2.9	1.9	-2.1	0.0	445.8	46695	17145	1.9	-2.1	-288.0
		Viento +X exc.+	0.9	12.0	-0.8	8.5	-0.5	-0.0	0.9	105.4	33.5	8.5	-0.5	-379.7
		Viento +X exc.-	0.7	11.9	0.1	8.4	0.1	0.0	0.7	88.1	28.1	8.4	0.1	-308.9
		Viento -X exc.+	-0.9	-12.0	0.8	-8.5	0.5	0.0	-0.9	-105.4	-33.5	-8.5	0.5	379.7
		Viento -X exc.-	-0.7	-11.9	-0.1	-8.4	-0.1	0.0	-0.7	-88.1	-28.1	-8.4	-0.1	308.9
		Viento +Y exc.+	4.0	-1.6	55.0	-1.1	37.6	0.1	4.0	416.3	208.5	-1.1	37.6	3981.1
		Viento +Y exc.-	6.3	-0.4	38.5	-0.3	26.0	-0.0	6.3	655.3	279.3	-0.3	26.0	2739.5
		Viento -Y exc.+	-4.0	1.6	-55.0	1.1	-37.6	-0.1	-4.0	-416.3	-208.5	1.1	-37.6	-3981
		Viento -Y exc.-	-6.3	0.4	-38.5	0.3	-26.0	0.0	-6.3	-655.3	-279.3	0.3	-26.0	-2739
P31 [112.738;38.465;0.0 grados] (45x45)	21.40/24.65	Peso propio	1066.1	-0.3	4.6	-0.1	2.9	0.0	1066.1	120192	41013	-0.1	2.9	331.4
		Cargas muertas	415.6	2.4	3.8	1.5	2.4	0.0	415.6	46858	15990	1.5	2.4	210.0
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-7.7	-2.6	0.0	0.0	0.2
		Sobrecarga de uso	508.0	0.1	2.7	-0.0	1.6	0.0	508.0	57268	19542	-0.0	1.6	178.8
		Viento +X exc.+	-2.4	12.7	-0.9	8.9	-0.6	-0.0	-2.4	-255.9	-92.5	8.9	-0.6	-406.2
		Viento +X exc.-	-2.3	12.6	0.3	8.9	0.2	0.0	-2.3	-241.1	-86.3	8.9	0.2	-314.3
		Viento -X exc.+	2.4	-12.7	0.9	-8.9	0.6	0.0	2.4	255.9	92.5	-8.9	0.6	406.2
		Viento -X exc.-	2.3	-12.6	-0.3	-8.9	-0.2	0.0	2.3	241.1	86.3	-8.9	-0.2	314.3
		Viento +Y exc.+	7.9	-1.0	60.9	-0.8	41.5	0.1	7.9	894.0	366.3	-0.8	41.5	4708.6
		Viento +Y exc.-	6.2	0.1	40.6	0.0	27.5	-0.0	6.2	702.4	280.2	0.0	27.5	3095.5
		Viento -Y exc.+	-7.9	1.0	-60.9	0.8	-41.5	-0.1	-7.9	-894.0	-366.3	0.8	-41.5	-4709
		Viento -Y exc.-	-6.2	-0.1	-40.6	-0.0	-27.5	0.0	-6.2	-702.4	-280.2	-0.0	-27.5	-3095
P32 [120.788;38.465;0.0 grados] (Diámetro 50)	21.40/24.65	Peso propio	694.0	50.1	-0.5	30.3	-0.3	0.0	694.0	83872	26692	30.3	-0.3	-1199
		Cargas muertas	456.3	-4.2	0.9	-2.8	0.6	0.0	456.3	55117	17554	-2.8	0.6	178.6
		H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	16.4	5.2	0.0	-0.0	-2.7
		Sobrecarga de uso	329.4	18.6	-0.1	11.4	-0.1	0.0	329.4	39811	12672	11.4	-0.1	-447.8
		Viento +X exc.+	10.1	10.4	-1.0	7.0	-0.6	-0.0	10.1	1230.2	387.5	7.0	-0.6	-343.2
		Viento +X exc.-	10.0	10.3	0.5	7.0	0.3	0.0	10.0	1218.6	385.3	7.0	0.3	-228.3
		Viento -X exc.+	-10.1	-10.4	1.0	-7.0	0.6	0.0	-10.1	-1230	-387.5	-7.0	0.6	343.2
		Viento -X exc.-	-10.0	-10.3	-0.5	-7.0	-0.3	0.0	-10.0	-1219	-385.3	-7.0	-0.3	228.3
		Viento +Y exc.+	-2.9	-1.0	69.5	-0.7	44.6	0.1	-2.9	-356.9	-43.8	-0.7	44.6	5413.4
		Viento +Y exc.-	-1.3	-0.1	44.0	-0.1	28.1	-0.0	-1.3	-154.6	-5.2	-0.1	28.1	3398.9
		Viento -Y exc.+	2.9	1.0	-69.5	0.7	-44.6	-0.1	2.9	356.9	43.8	0.7	-44.6	-5413
		Viento -Y exc.-	1.3	0.1	-44.0	0.1	-28.1	0.0	1.3	154.6	5.2	0.1	-28.1	-3399
P33 [0.663;31.965;0.0 grados] (45x45)	21.40/24.65	Peso propio	696.2	-34.7	0.9	-23.5	0.4	0.0	696.2	426.8	22255	-23.5	0.4	750.7
		Cargas muertas	467.2	8.2	0.4	4.3	0.1	0.0	467.2	317.9	14933	4.3	0.1	-137.2
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.2	-0.0	-0.0	0.4
		Sobrecarga de uso	335.9	-13.5	0.2	-9.4	0.0	0.0	335.9	209.1	10737	-9.4	0.0	301.2
		Viento +X exc.+	-9.9	9.0	1.1	6.6	0.8	-0.0	-9.9	2.4	-316.9	6.6	0.8	-211.8
		Viento +X exc.-	-10.2	9.0	0.0	6.7	0.0	0.0	-10.2	2.2	-326.9	6.7	0.0	-213.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	9.9	-9.0	-1.1	-6.6	-0.8	0.0	9.9	-2.4	316.9	-6.6	-0.8	211.8
		Viento -X exc.-	10.2	-9.0	-0.0	-6.7	-0.0	0.0	10.2	-2.2	326.9	-6.7	-0.0	213.4
		Viento +Y exc.+	7.6	0.4	22.1	0.3	13.2	0.1	7.6	5.4	264.3	0.3	13.2	-2.3
		Viento +Y exc.-	12.4	-0.4	41.2	-0.2	26.1	-0.0	12.4	7.8	439.0	-0.2	26.1	25.1
		Viento -Y exc.+	-7.6	-0.4	-22.1	-0.3	-13.2	-0.1	-7.6	-5.4	-264.3	-0.3	-13.2	2.3
		Viento -Y exc.-	-12.4	0.4	-41.2	0.2	-26.1	0.0	-12.4	-7.8	-439.0	0.2	-26.1	-25.1
P34 [8.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	1024.5	5.8	3.0	3.8	1.7	0.0	1024.5	8958.0	32752	3.8	1.7	-107.3
		Cargas muertas	377.1	2.3	3.7	1.6	2.2	0.0	377.1	3297.8	12059	1.6	2.2	-30.0
		H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	-0.6	-2.0	-0.0	-0.0	0.3
		Sobrecarga de uso	510.8	2.1	1.3	1.5	0.7	0.0	510.8	4465.2	16328	1.5	0.7	-41.1
		Viento +X exc.+	-0.2	16.8	1.4	11.5	0.9	-0.0	-0.2	15.3	-4.3	11.5	0.9	-360.5
		Viento +X exc.-	-0.3	16.9	0.3	11.6	0.2	0.0	-0.3	13.9	-10.8	11.6	0.2	-368.3
		Viento -X exc.+	0.2	-16.8	-1.4	-11.5	-0.9	0.0	0.2	-15.3	4.3	-11.5	-0.9	360.5
		Viento -X exc.-	0.3	-16.9	-0.3	-11.6	-0.2	0.0	0.3	-13.9	10.8	-11.6	-0.2	368.3
		Viento +Y exc.+	3.0	1.4	29.4	1.0	18.0	0.1	3.0	27.6	125.1	1.0	18.0	123.7
		Viento +Y exc.-	5.9	0.4	48.6	0.3	30.7	-0.0	5.9	51.7	236.3	0.3	30.7	258.4
		Viento -Y exc.+	-3.0	-1.4	-29.4	-1.0	-18.0	-0.1	-3.0	-27.6	-125.1	-1.0	-18.0	-123.7
		Viento -Y exc.-	-5.9	-0.4	-48.6	-0.3	-30.7	0.0	-5.9	-51.7	-236.3	-0.3	-30.7	-258.4
P35 [16.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	989.8	0.6	2.8	0.4	1.6	0.0	989.8	16568	31642	0.4	1.6	15.4
		Cargas muertas	386.6	1.3	2.8	0.8	1.7	0.0	386.6	6472.3	12361	0.8	1.7	2.6
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.0
		Sobrecarga de uso	502.2	0.5	0.6	0.3	0.3	0.0	502.2	8406.6	16054	0.3	0.3	-2.8
		Viento +X exc.+	-0.2	16.7	0.9	11.5	0.6	-0.0	-0.2	13.6	-5.2	11.5	0.6	-358.1
		Viento +X exc.-	-0.4	16.8	-0.0	11.6	0.0	0.0	-0.4	10.9	-11.3	11.6	0.0	-369.7
		Viento -X exc.+	0.2	-16.7	-0.9	-11.5	-0.6	0.0	0.2	-13.6	5.2	-11.5	-0.6	358.1
		Viento -X exc.-	0.4	-16.8	0.0	-11.6	-0.0	0.0	0.4	-10.9	11.3	-11.6	-0.0	369.7
		Viento +Y exc.+	6.4	0.9	31.9	0.7	19.9	0.1	6.4	107.5	235.4	0.7	19.9	309.2
		Viento +Y exc.-	9.1	-0.3	47.7	-0.1	30.3	-0.0	9.1	152.2	339.0	-0.1	30.3	511.3
		Viento -Y exc.+	-6.4	-0.9	-31.9	-0.7	-19.9	-0.1	-6.4	-107.5	-235.4	-0.7	-19.9	-309.2
		Viento -Y exc.-	-9.1	0.3	-47.7	0.1	-30.3	0.0	-9.1	-152.2	-339.0	0.1	-30.3	-511.3
P37 [48.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	1062.9	-22.4	6.8	-14.2	4.1	0.0	1062.9	51779	33981	-14.2	4.1	654.3
		Cargas muertas	395.4	0.3	6.6	0.0	4.1	0.0	395.4	19271	12646	0.0	4.1	200.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	507.6	-5.0	2.6	-3.3	1.6	0.0	507.6	24735	16228	-3.3	1.6	185.7
		Viento +X exc.+	4.5	13.4	0.5	9.5	0.4	-0.0	4.5	230.6	143.0	9.5	0.4	-285.6
		Viento +X exc.-	4.4	13.4	0.4	9.5	0.2	0.0	4.4	229.8	142.3	9.5	0.2	-292.1
		Viento -X exc.+	-4.5	-13.4	-0.5	-9.5	-0.4	0.0	-4.5	-230.6	-143.0	-9.5	-0.4	285.6
		Viento -X exc.-	-4.4	-13.4	-0.4	-9.5	-0.2	0.0	-4.4	-229.8	-142.3	-9.5	-0.2	292.1
		Viento +Y exc.+	-7.2	-0.7	44.0	-0.3	28.6	0.1	-7.2	-352.6	-186.8	-0.3	28.6	1404.8
		Viento +Y exc.-	-7.1	-1.7	46.9	-1.0	30.4	-0.0	-7.1	-345.8	-178.7	-1.0	30.4	1513.1
		Viento -Y exc.+	7.2	0.7	-44.0	0.3	-28.6	-0.1	7.2	352.6	186.8	0.3	-28.6	-1405
		Viento -Y exc.-	7.1	1.7	-46.9	1.0	-30.4	0.0	7.1	345.8	178.7	1.0	-30.4	-1513
P38 [56.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	978.3	4.4	4.9	2.8	3.0	0.0	978.3	55511	31276	2.8	3.0	80.3
		Cargas muertas	365.3	0.2	4.2	0.2	2.7	0.0	365.3	20724	11680	0.2	2.7	146.1
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	485.3	0.5	1.8	0.4	1.1	0.0	485.3	27535	15514	0.4	1.1	52.3
		Viento +X exc.+	-0.8	16.5	0.5	11.3	0.3	-0.0	-0.8	-31.0	-26.3	11.3	0.3	-346.3
		Viento +X exc.-	-0.9	16.5	0.5	11.4	0.3	0.0	-0.9	-33.9	-28.0	11.4	0.3	-346.8
		Viento -X exc.+	0.8	-16.5	-0.5	-11.3	-0.3	0.0	0.8	31.0	26.3	-11.3	-0.3	346.3
		Viento -X exc.-	0.9	-16.5	-0.5	-11.4	-0.3	0.0	0.9	33.9	28.0	-11.4	-0.3	346.8
		Viento +Y exc.+	-1.3	1.5	46.8	1.1	30.7	0.1	-1.3	-73.5	4.6	1.1	30.7	1705.5
		Viento +Y exc.-	-0.8	0.4	46.6	0.3	30.3	-0.0	-0.8	-45.6	20.7	0.3	30.3	1707.0
		Viento -Y exc.+	1.3	-1.5	-46.8	-1.1	-30.7	-0.1	1.3	73.5	-4.6	-1.1	-30.7	-1706
		Viento -Y exc.-	0.8	-0.4	-46.6	-0.3	-30.3	0.0	0.8	45.6	-20.7	-0.3	-30.3	-1707
P39 [64.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	987.5	0.4	6.1	0.3	3.7	0.0	987.5	63930	31572	0.3	3.7	233.0
		Cargas muertas	384.3	0.5	5.0	0.3	3.2	0.0	384.3	24879	12289	0.3	3.2	196.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.2
		Sobrecarga de uso	504.1	0.1	2.0	0.1	1.3	0.0	504.1	32633	16115	0.1	1.3	80.4
		Viento +X exc.+	-0.5	16.0	0.0	11.1	0.0	-0.0	-0.5	-13.5	-14.5	11.1	0.0	-351.8
		Viento +X exc.-	-0.5	16.0	0.2	11.1	0.2	0.0	-0.5	-14.5	-14.9	11.1	0.2	-344.6
		Viento -X exc.+	0.5	-16.0	-0.0	-11.1	-0.0	0.0	0.5	13.5	14.5	-11.1	-0.0	351.8
		Viento -X exc.-	0.5	-16.0	-0.2	-11.1	-0.2	0.0	0.5	14.5	14.9	-11.1	-0.2	344.6
		Viento +Y exc.+	0.6	1.2	46.3	0.9	30.7	0.1	0.6	42.6	66.7	0.9	30.7	1959.4
		Viento +Y exc.-	0.9	0.0	43.1	0.1	28.3	-0.0	0.9	58.8	72.1	0.1	28.3	1827.9
		Viento -Y exc.+	-0.6	-1.2	-46.3	-0.9	-30.7	-0.1	-0.6	-42.6	-66.7	-0.9	-30.7	-1959



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-0.9	-0.0	-43.1	-0.1	-28.3	0.0	-0.9	-58.8	-72.1	-0.1	-28.3	-1828
P40 [72.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	1004.8	-0.6	6.6	-0.3	4.1	0.0	1004.8	73088	32126	-0.3	4.1	304.3
		Cargas muertas	387.8	-0.2	5.3	-0.1	3.4	0.0	387.8	28204	12400	-0.1	3.4	248.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	508.6	-0.5	2.3	-0.3	1.4	0.0	508.6	36996	16261	-0.3	1.4	113.3
		Viento +X exc.+	0.4	16.0	-0.2	11.0	-0.1	-0.0	0.4	46.5	13.3	11.0	-0.1	-360.1
		Viento +X exc.-	0.4	16.0	0.2	11.1	0.1	0.0	0.4	45.4	13.1	11.1	0.1	-343.5
		Viento -X exc.+	-0.4	-16.0	0.2	-11.0	0.1	0.0	-0.4	-46.5	-13.3	-11.0	0.1	360.1
		Viento -X exc.-	-0.4	-16.0	-0.2	-11.1	-0.1	0.0	-0.4	-45.4	-13.1	-11.1	-0.1	343.5
		Viento +Y exc.+	-4.2	1.2	48.9	0.9	32.7	0.1	-4.2	-306.7	-86.4	0.9	32.7	2349.1
		Viento +Y exc.-	-3.9	0.0	42.8	0.1	28.3	-0.0	-3.9	-283.1	-81.6	0.1	28.3	2052.6
		Viento -Y exc.+	4.2	-1.2	-48.9	-0.9	-32.7	-0.1	4.2	306.7	86.4	-0.9	-32.7	-2349.1
		Viento -Y exc.-	3.9	-0.0	-42.8	-0.1	-28.3	0.0	3.9	283.1	81.6	-0.1	-28.3	-2053
P41 [80.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	971.8	0.3	6.5	0.2	4.0	0.0	971.8	78465	31071	0.2	4.0	320.4
		Cargas muertas	379.6	0.7	5.1	0.4	3.2	0.0	379.6	30652	12140	0.4	3.2	246.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	502.4	0.3	1.9	0.2	1.2	0.0	502.4	40561	16060	0.2	1.2	91.2
		Viento +X exc.+	-0.1	16.1	-0.3	11.2	-0.2	-0.0	-0.1	4.8	-4.8	11.2	-0.2	-374.1
		Viento +X exc.-	-0.1	16.2	0.2	11.2	0.1	0.0	-0.1	5.2	-4.2	11.2	0.1	-346.0
		Viento -X exc.+	0.1	-16.1	0.3	-11.2	0.2	0.0	0.1	-4.8	4.8	-11.2	0.2	374.1
		Viento -X exc.-	0.1	-16.2	-0.2	-11.2	-0.1	0.0	0.1	-5.2	4.2	-11.2	-0.1	346.0
		Viento +Y exc.+	0.8	0.9	51.9	0.7	34.8	0.1	0.8	62.5	76.3	0.7	34.8	2789.0
		Viento +Y exc.-	0.9	-0.2	42.8	-0.1	28.4	-0.0	0.9	74.8	72.5	-0.1	28.4	2291.7
		Viento -Y exc.+	-0.8	-0.9	-51.9	-0.7	-34.8	-0.1	-0.8	-62.5	-76.3	-0.7	-28.4	-2789
		Viento -Y exc.-	-0.9	0.2	-42.8	0.1	-28.4	0.0	-0.9	-74.8	-72.5	0.1	-28.4	-2292
P42 [88.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	983.3	1.4	5.4	0.9	3.3	0.0	983.3	87258	31436	0.9	3.3	266.5
		Cargas muertas	371.7	0.4	5.4	0.3	3.5	0.0	371.7	32981	11885	0.3	3.5	299.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	491.0	0.1	2.0	0.1	1.3	0.0	491.0	43570	15697	0.1	1.3	113.2
		Viento +X exc.+	-0.3	16.2	-0.6	11.2	-0.4	-0.0	-0.3	-10.0	-10.1	11.2	-0.4	-394.1
		Viento +X exc.-	-0.3	16.3	0.1	11.2	0.1	0.0	-0.3	-10.2	-9.4	11.2	0.1	-349.8
		Viento -X exc.+	0.3	-16.2	0.6	-11.2	0.4	0.0	0.3	10.0	10.1	-11.2	0.4	394.1
		Viento -X exc.-	0.3	-16.3	-0.1	-11.2	-0.1	0.0	0.3	10.2	9.4	-11.2	-0.1	349.8
		Viento +Y exc.+	-2.5	1.0	59.1	0.8	39.5	0.1	-2.5	-224.9	-22.3	0.8	39.5	3483.4
		Viento +Y exc.-	-2.4	-0.1	46.0	-0.0	30.5	-0.0	-2.4	-216.7	-32.0	-0.0	30.5	2703.7
		Viento -Y exc.+	2.5	-1.0	-59.1	-0.8	-39.5	-0.1	2.5	224.9	22.3	-0.8	-39.5	-3483
		Viento -Y exc.-	2.4	0.1	-46.0	0.0	-30.5	0.0	2.4	216.7	32.0	0.0	-30.5	-2704
P43 [96.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	978.0	1.7	4.4	1.0	2.7	0.0	978.0	94614	31267	1.0	2.7	229.9
		Cargas muertas	383.7	1.3	4.8	0.8	3.1	0.0	383.7	37124	12271	0.8	3.1	271.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	508.1	0.8	1.1	0.5	0.7	0.0	508.1	49151	16242	0.5	0.7	52.7
		Viento +X exc.+	0.3	16.9	-0.7	11.6	-0.5	-0.0	0.3	46.3	9.0	11.6	-0.5	-413.6
		Viento +X exc.-	0.3	16.9	0.2	11.6	0.2	0.0	0.3	47.8	10.4	11.6	0.2	-353.6
		Viento -X exc.+	-0.3	-16.9	0.7	-11.6	0.5	0.0	-0.3	-46.3	-9.0	-11.6	0.5	413.6
		Viento -X exc.-	-0.3	-16.9	-0.2	-11.6	-0.2	0.0	-0.3	-47.8	-10.4	-11.6	-0.2	353.6
		Viento +Y exc.+	1.4	0.8	61.5	0.7	41.4	0.1	1.4	134.3	105.6	0.7	41.4	3985.4
		Viento +Y exc.-	1.2	-0.3	45.4	-0.1	30.3	-0.0	1.2	116.3	84.0	-0.1	30.3	2929.4
		Viento -Y exc.+	-1.4	-0.8	-61.5	-0.7	-41.4	-0.1	-1.4	-134.3	-105.6	-0.7	-41.4	-3985
		Viento -Y exc.-	-1.2	0.3	-45.4	0.1	-30.3	0.0	-1.2	-116.3	-84.0	0.1	-30.3	-2929
P36 [24.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	955.8	2.1	5.9	1.5	3.5	0.0	955.8	23647	30558	1.5	3.5	40.7
		Cargas muertas	370.0	-3.8	7.2	-2.2	4.5	0.0	370.0	9149.9	11835	-2.2	4.5	181.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	470.5	0.3	2.9	0.3	1.8	0.0	470.5	11639	15042	0.3	1.8	36.4
		Viento +X exc.+	-0.7	16.7	0.8	11.5	0.5	-0.0	-0.7	-1.2	-22.3	11.5	0.5	-353.7
		Viento +X exc.-	-0.7	16.8	0.0	11.5	0.0	0.0	-0.7	-1.1	-23.0	11.5	0.0	-367.2
		Viento -X exc.+	0.7	-16.7	-0.8	-11.5	-0.5	0.0	0.7	1.2	22.3	-11.5	-0.5	353.7
		Viento -X exc.-	0.7	-16.8	-0.0	-11.5	-0.0	0.0	0.7	1.1	23.0	-11.5	-0.0	367.2
		Viento +Y exc.+	-6.1	2.3	36.5	1.6	23.1	0.1	-6.1	-149.2	-159.3	1.6	23.1	519.0
		Viento +Y exc.-	-6.3	1.4	49.6	1.0	31.6	-0.0	-6.3	-153.8	-151.0	1.0	31.6	751.1
		Viento -Y exc.+	6.1	-2.3	-36.5	-1.6	-23.1	-0.1	6.1	149.2	159.3	-1.6	-23.1	-519.0
		Viento -Y exc.-	6.3	-1.4	-49.6	-1.0	-31.6	0.0	6.3	153.8	151.0	-1.0	-31.6	-751.1
P44 [104.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	1038.1	-6.4	-10.3	-3.9	-6.5	0.0	1038.1	108724	33173	-3.9	-6.5	-552.5
		Cargas muertas	388.8	-1.5	1.4	-0.9	1.0	0.0	388.8	40716	12428	-0.9	1.0	131.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	493.3	-1.0	-1.3	-0.5	-0.7	0.0	493.3	51663	15766	-0.5	-0.7	-59.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-0.7	17.1	-0.6	11.7	-0.4	-0.0	-0.7	-59.7	-24.1	11.7	-0.4	-419.2
		Viento +X exc.-	-0.6	17.1	0.5	11.7	0.3	0.0	-0.6	-46.4	-18.9	11.7	0.3	-338.9
		Viento -X exc.+	0.7	-17.1	0.6	-11.7	0.4	0.0	0.7	59.7	24.1	-11.7	0.4	419.2
		Viento -X exc.-	0.6	-17.1	-0.5	-11.7	-0.3	0.0	0.6	46.4	18.9	-11.7	-0.3	338.9
		Viento +Y exc.+	-8.9	1.2	66.8	0.9	44.9	0.1	-8.9	-931.5	-217.8	0.9	44.9	4678.6
		Viento +Y exc.-	-10.4	-0.1	46.8	0.0	31.2	-0.0	-10.4	-1089	-285.4	0.0	31.2	3268.8
		Viento -Y exc.+	8.9	-1.2	-66.8	-0.9	-44.9	-0.1	8.9	931.5	217.8	-0.9	-44.9	-4679
		Viento -Y exc.-	10.4	0.1	-46.8	-0.0	-31.2	0.0	10.4	1088.6	285.4	-0.0	-31.2	-3269
P45 [112.738;31.965;0.0 grados] (50x45)	21.40/24.65	Peso propio	1053.2	3.8	-2.3	2.1	-1.5	0.0	1053.2	118738	33663	2.1	-1.5	-232.8
		Cargas muertas	389.0	3.3	1.4	1.9	1.0	0.0	389.0	43864	12437	1.9	1.0	52.1
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-9.6	-2.7	0.0	-0.0	-1.1
		Sobrecarga de uso	512.5	1.1	-0.9	0.4	-0.5	0.0	512.5	57781	16382	0.4	-0.5	-64.4
		Viento +X exc.+	0.0	16.7	-0.9	11.5	-0.6	-0.0	0.0	21.8	0.5	11.5	-0.6	-435.2
		Viento +X exc.-	-0.1	16.8	0.3	11.5	0.3	0.0	-0.1	10.2	-1.5	11.5	0.3	-339.4
		Viento -X exc.+	-0.0	-16.7	0.9	-11.5	0.6	0.0	-0.0	-21.8	-0.5	-11.5	0.6	435.2
		Viento -X exc.-	0.1	-16.8	-0.3	-11.5	-0.3	0.0	0.1	-10.2	1.5	-11.5	-0.3	339.4
		Viento +Y exc.+	-8.3	1.7	66.1	1.2	44.9	0.1	-8.3	-931.4	-198.4	1.2	44.9	5027.5
		Viento +Y exc.-	-7.1	0.2	44.1	0.2	29.7	-0.0	-7.1	-801.7	-183.2	0.2	29.7	3346.8
		Viento -Y exc.+	8.3	-1.7	-66.1	-1.2	-44.9	-0.1	8.3	931.4	198.4	-1.2	-44.9	-5028
		Viento -Y exc.-	7.1	-0.2	-44.1	-0.2	-29.7	0.0	7.1	801.7	183.2	-0.2	-29.7	-3347
P46 [120.813;31.965;0.0 grados] (45x45)	21.40/24.65	Peso propio	685.8	39.7	4.3	26.6	2.8	0.0	685.8	82890	21925	26.6	2.8	-515.3
		Cargas muertas	452.2	-6.9	4.5	-3.4	2.9	0.0	452.2	54627	14460	-3.4	2.9	465.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.0	0.2	0.0	-0.0	-0.9
		Sobrecarga de uso	327.9	14.7	1.8	10.2	1.2	0.0	327.9	39626	10482	10.2	1.2	-183.3
		Viento +X exc.+	9.8	8.9	-1.0	6.6	-0.7	-0.0	9.8	1189.3	311.3	6.6	-0.7	-290.9
		Viento +X exc.-	9.9	9.0	0.3	6.6	0.2	0.0	9.9	1199.9	315.4	6.6	0.2	-184.8
		Viento -X exc.+	-9.8	-8.9	1.0	-6.6	0.7	0.0	-9.8	-1189	-311.3	-6.6	0.7	290.9
		Viento -X exc.-	-9.9	-9.0	-0.3	-6.6	-0.2	0.0	-9.9	-1200	-315.4	-6.6	-0.2	184.8
		Viento +Y exc.+	2.9	0.8	61.1	0.6	42.2	0.1	2.9	352.4	154.2	0.6	42.2	5073.3
		Viento +Y exc.-	1.3	0.1	38.9	0.1	26.6	-0.0	1.3	159.5	81.0	0.1	26.6	3212.6
		Viento -Y exc.+	-2.9	-0.8	-61.1	-0.6	-42.2	-0.1	-2.9	-352.4	-154.2	-0.6	-42.2	-5073
		Viento -Y exc.-	-1.3	-0.1	-38.9	-0.1	-26.6	0.0	-1.3	-159.5	-81.0	-0.1	-26.6	-3213
P49 [0.688;25.465;0.0 grados] (50x50)	21.40/24.55	Peso propio	480.1	-43.9	-24.5	-28.1	-15.8	0.0	480.1	286.4	12201	-28.1	-15.8	704.3
		Cargas muertas	481.8	-15.0	-0.9	-9.2	-0.5	0.0	481.8	316.4	12267	-9.2	-0.5	234.5
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	0.8	-0.0	-0.0	0.4
		Sobrecarga de uso	222.3	-16.5	-9.2	-10.8	-6.1	0.0	222.3	136.4	5650.5	-10.8	-6.1	269.7
		Viento +X exc.+	-11.4	11.2	0.5	8.5	0.4	-0.0	-11.4	3.4	-289.2	8.5	0.4	-217.3
		Viento +X exc.-	-10.6	11.4	-0.3	8.7	-0.2	0.0	-10.6	4.1	-270.0	8.7	-0.2	-220.9
		Viento -X exc.+	11.4	-11.2	-0.5	-8.5	-0.4	0.0	11.4	-3.4	289.2	-8.5	-0.4	217.3
		Viento -X exc.-	10.6	-11.4	0.3	-8.7	0.2	-0.0	10.6	-4.1	-270.0	-8.7	0.2	-220.9
		Viento +Y exc.+	-27.1	2.7	17.7	2.3	10.2	0.1	-27.1	-15.9	-672.1	2.3	10.2	-50.3
		Viento +Y exc.-	-40.5	-0.1	31.8	0.1	20.6	-0.0	-40.5	-28.0	-999.1	0.1	20.6	11.6
		Viento -Y exc.+	27.1	-2.7	-17.7	-2.3	-10.2	-0.1	27.1	15.9	672.1	-2.3	-10.2	50.3
		Viento -Y exc.-	40.5	0.1	-31.8	-0.1	-20.6	0.0	40.5	-28.0	-999.1	-0.1	-20.6	-11.6
P50 [8.738;25.465;0.0 grados] (50x45)	21.40/24.55	Peso propio	701.2	2.9	-27.6	1.9	-17.9	0.0	701.2	6130.0	17829	1.9	-17.9	-204.8
		Cargas muertas	504.8	1.4	10.4	0.9	6.8	0.0	504.8	4411.9	12864	0.9	6.8	36.8
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.5	-0.0	-0.0	0.2
		Sobrecarga de uso	337.4	1.0	-10.9	0.8	-7.2	0.0	337.4	2949.4	8581.6	0.8	-7.2	-82.6
		Viento +X exc.+	-0.8	19.1	0.5	13.4	0.4	-0.0	-0.8	12.1	-20.1	13.4	0.4	-338.6
		Viento +X exc.-	0.2	19.4	-0.2	13.6	-0.1	0.0	0.2	20.8	3.8	13.6	-0.1	-348.0
		Viento -X exc.+	0.8	-19.1	-0.5	-13.4	-0.4	0.0	0.8	-12.1	20.1	-13.4	-0.4	338.6
		Viento -X exc.-	-0.2	-19.4	0.2	-13.6	0.1	0.0	-0.2	-20.8	-3.8	-13.6	0.1	348.0
		Viento +Y exc.+	-33.6	4.3	19.3	3.2	11.9	0.1	-33.6	-289.2	-836.0	3.2	11.9	22.2
		Viento +Y exc.-	-50.2	-0.7	31.6	-0.2	20.7	-0.0	-50.2	-439.5	-1247	-0.2	20.7	186.4
		Viento -Y exc.+	33.6	-4.3	-19.3	-3.2	-11.9	-0.1	33.6	289.2	836.0	-3.2	-11.9	-22.2
		Viento -Y exc.-	50.2	0.7	-31.6	0.2	-20.7	0.0	50.2	-439.5	-1247.1	0.2	-20.7	-186.4
P51 [16.738;25.465;0.0 grados] (50x45)	21.40/24.55	Peso propio	669.5	2.6	-26.3	1.6	-17.0	0.0	669.5	11208	17022	1.6	-17.0	-326.0
		Cargas muertas	495.3	2.5	10.6	1.6	7.0	0.0	495.3	8291.9	12622	1.6	7.0	77.3
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0
		Sobrecarga de uso	318.3	1.3	-10.9	0.8	-7.2	0.0	318.3	5328.7	8094.2	0.8	-7.2	-141.0
		Viento +X exc.+	-1.6	19.0	0.6	13.3	0.4	-0.0	-1.6	-7.9	-40.3	13.3	0.4	-332.6
		Viento +X exc.-	-0.8	19.3	-0.0	13.5	-0.0	0.0	-0.8	5.9	-20.4	13.5	-0.0	-344.5
		Viento -X exc.+	1.6	-19.0	-0.6	-13.3	-0.4	0.0	1.6	7.9	40.3	-13.3	-0.4	332.6
		Viento -X exc.-	0.8	-19.3	0.0	-13.5	0.0	0.0	0.8	-5.9	20.4	-13.5	0.0	344.5
		Viento +Y exc.+	-35.2	4.3	21.2	3.2	13.5	0.1	-35.2	-584.6	-874.7	3.2	13.5	143.6





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P52 [24.738;25.465;0.0 grados] (50x45)	21.40/24.55	Viento +Y exc.-	-49.1	-0.6	31.4	-0.1	20.7	-0.0	-49.1	-822.0	-1218	-0.1	20.7	350.6
		Viento -Y exc.+	35.2	-4.3	-21.2	-3.2	-13.5	-0.1	35.2	584.6	874.7	-3.2	-13.5	-143.6
		Viento -Y exc.-	49.1	0.6	-31.4	0.1	-20.7	0.0	49.1	822.0	1218.2	0.1	-20.7	-350.6
		Peso propio	792.5	-42.6	-22.8	-26.6	-14.8	0.0	792.5	19563	20159	-26.6	-14.8	310.9
		Cargas muertas	618.0	-41.7	14.5	-26.0	9.7	0.0	618.0	15247	15752	-26.0	9.7	900.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.4	0.0	-0.0	-0.1
		Sobrecarga de uso	363.3	-23.7	-8.8	-14.8	-5.9	0.0	363.3	8964.0	9243.0	-14.8	-5.9	229.4
		Viento +X exc.+	7.6	19.3	0.1	13.5	0.1	-0.0	7.6	208.0	194.3	13.5	0.1	-339.9
		Viento +X exc.-	8.5	19.6	-0.3	13.6	-0.2	0.0	8.5	230.6	216.9	13.6	-0.2	-351.9
		Viento -X exc.+	-7.6	-19.3	-0.1	-13.5	-0.1	0.0	-7.6	-208.0	-194.3	-13.5	-0.1	339.9
		Viento -X exc.-	-8.5	-19.6	0.3	-13.6	0.2	0.0	-8.5	-230.6	-216.9	-13.6	0.2	351.9
		Viento +Y exc.+	-40.9	7.0	20.8	4.9	13.6	0.1	-40.9	-1004	-1020	4.9	13.6	210.4
		Viento +Y exc.-	-56.4	2.7	28.3	1.9	18.9	-0.0	-56.4	-1392	-1408	1.9	18.9	418.2
		Viento -Y exc.+	40.9	-7.0	-20.8	-4.9	-13.6	-0.1	40.9	1003.8	1019.8	-4.9	-13.6	-210.4
		Viento -Y exc.-	56.4	-2.7	-28.3	-1.9	-18.9	0.0	56.4	1392.4	1407.8	-1.9	-18.9	-418.2
P55 [48.738;25.465;0.0 grados] (50x50)	21.40/24.65	Peso propio	866.1	23.5	-26.4	14.0	-16.5	0.0	866.1	42236	22029	14.0	-16.5	-1160
		Cargas muertas	628.7	32.7	7.7	19.8	5.1	0.0	628.7	30674	16017	19.8	5.1	-258.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.6	0.3	0.0	-0.0	-0.2
		Sobrecarga de uso	367.9	17.0	-10.5	10.2	-6.9	0.0	367.9	17945	9356.8	10.2	-6.9	-597.3
		Viento +X exc.+	-3.5	11.0	0.6	8.1	0.4	-0.0	-3.5	-157.4	-87.4	8.1	0.4	-185.4
		Viento +X exc.-	-3.2	11.2	0.6	8.2	0.4	0.0	-3.2	-147.2	-82.2	8.2	0.4	-191.2
		Viento -X exc.+	3.5	-11.0	-0.6	-8.1	-0.4	0.0	3.5	157.4	87.4	-8.1	-0.4	185.4
		Viento -X exc.-	3.2	-11.2	-0.6	-8.2	-0.4	-0.0	3.2	147.2	82.2	-8.2	-0.4	191.2
		Viento +Y exc.+	-46.4	1.2	25.5	1.2	17.3	0.1	-46.4	-2261	-1157	1.2	17.3	813.1
		Viento +Y exc.-	-49.9	-2.1	27.1	-1.0	18.1	-0.0	-49.9	-2433	-1243	-1.0	18.1	910.2
		Viento -Y exc.+	46.4	-1.2	-25.5	-1.2	-17.3	-0.1	46.4	2261.4	1156.6	-1.2	-17.3	-813.1
		Viento -Y exc.-	49.9	2.1	-27.1	1.0	-18.1	0.0	49.9	2433.2	1243.1	1.0	-18.1	-910.2
P56 [56.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	659.0	-2.7	-30.5	-1.6	-19.0	0.0	659.0	37390	16752	-1.6	-19.0	-1039
		Cargas muertas	489.9	-4.5	1.0	-2.7	0.8	0.0	489.9	27791	12476	-2.7	0.8	113.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.6	0.3	0.0	-0.0	-0.2
		Sobrecarga de uso	308.9	-2.4	-11.5	-1.4	-7.4	0.0	308.9	17524	7854.6	-1.4	-7.4	-382.6
		Viento +X exc.+	-1.5	11.1	0.5	8.1	0.3	-0.0	-1.5	-74.0	-37.7	8.1	0.3	-189.6
		Viento +X exc.-	-1.5	11.3	0.5	8.3	0.3	0.0	-1.5	-71.0	-36.4	8.3	0.3	-191.3
		Viento -X exc.+	1.5	-11.1	-0.5	-8.1	-0.3	0.0	1.5	74.0	37.7	-8.1	-0.3	189.6
		Viento -X exc.-	1.5	-11.3	-0.5	-8.3	-0.3	0.0	1.5	71.0	36.4	-8.3	-0.3	191.3
		Viento +Y exc.+	-37.4	3.8	25.8	2.9	17.7	0.1	-37.4	-2120	-927.3	2.9	17.7	932.0
		Viento +Y exc.-	-38.2	1.1	25.7	0.9	17.3	-0.0	-38.2	-2165	-946.5	0.9	17.3	959.6
		Viento -Y exc.+	37.4	-3.8	-25.8	-2.9	-17.7	-0.1	37.4	2119.8	927.3	-2.9	-17.7	-932.0
		Viento -Y exc.-	38.2	-1.1	-25.7	-0.9	-17.3	0.0	38.2	2165.1	946.5	-0.9	-17.3	-959.6
P57 [64.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	662.1	-0.0	-25.7	0.0	-16.0	0.0	662.1	42860	16833	0.0	-16.0	-1040
		Cargas muertas	509.2	0.6	2.9	0.4	2.0	0.0	509.2	32964	12969	0.4	2.0	118.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.7	0.3	0.0	-0.0	-0.2
		Sobrecarga de uso	319.1	0.2	-10.5	0.2	-6.7	0.0	319.1	20661	8116.3	0.2	-6.7	-439.1
		Viento +X exc.+	-0.1	10.2	-0.1	7.6	-0.1	-0.0	-0.1	1.0	-3.7	7.6	-0.1	-197.1
		Viento +X exc.-	-0.2	10.4	-0.0	7.7	0.0	0.0	-0.2	-2.8	-5.2	7.7	0.0	-194.5
		Viento -X exc.+	0.1	-10.2	0.1	-7.6	0.1	0.0	0.1	-1.0	3.7	-7.6	0.1	197.1
		Viento -X exc.-	0.2	-10.4	0.0	-7.7	-0.0	0.0	0.2	2.8	5.2	-7.7	-0.0	194.5
		Viento +Y exc.+	-37.7	2.2	25.2	1.9	17.7	0.1	-37.7	-2441	-935.8	1.9	17.7	1098.0
		Viento +Y exc.-	-36.6	-0.3	23.6	0.0	16.2	-0.0	-36.6	-2369	-908.1	0.0	16.2	1049.0
		Viento -Y exc.+	37.7	-2.2	-25.2	-1.9	-17.7	-0.1	37.7	2440.9	935.8	-1.9	-17.7	-1098
		Viento -Y exc.-	36.6	0.3	-23.6	-0.0	-16.2	0.0	36.6	2369.1	908.1	-0.0	-16.2	-1049
P58 [72.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	664.5	0.7	-26.3	0.5	-16.4	0.0	664.5	48332	16894	0.5	-16.4	-1207
		Cargas muertas	508.7	0.5	2.8	0.4	1.9	0.0	508.7	37005	12958	0.4	1.9	127.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.7	0.3	0.0	-0.0	-0.2
		Sobrecarga de uso	320.6	0.1	-10.7	0.1	-6.8	0.0	320.6	23319	8153.2	0.1	-6.8	-500.7
		Viento +X exc.+	0.1	10.1	-0.1	7.5	-0.1	-0.0	0.1	15.9	1.9	7.5	-0.1	-196.1
		Viento +X exc.-	-0.1	10.3	0.1	7.6	0.1	0.0	-0.1	2.2	-2.7	7.6	0.1	-187.9
		Viento -X exc.+	-0.1	-10.1	0.1	-7.5	0.1	0.0	-0.1	-15.9	-1.9	-7.5	0.1	196.1
		Viento -X exc.-	0.1	-10.3	-0.1	-7.6	-0.1	0.0	0.1	-2.2	2.7	-7.6	-0.1	187.9
		Viento +Y exc.+	-38.7	2.3	26.6	1.9	18.9	0.1	-38.7	-2812	-958.7	1.9	18.9	1327.0
		Viento +Y exc.-	-35.4	-0.2	23.5	0.1	16.3	-0.0	-35.4	-2572	-876.8	0.1	16.3	1180.0
		Viento -Y exc.+	38.7	-2.3	-26.6	-1.9	-18.9	-0.1	38.7	2812.2	958.7	-1.9	-18.9	-1327
		Viento -Y exc.-	35.4	0.2	-23.5	-0.1	-16.3	0.0	35.4	2571.8	876.8	-0.1	-16.3	-1180
P59 [80.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	672.6	0.4	-28.0	0.3	-17.5	0.0	672.6	54305	17100	0.3	-17.5	-1416
		Cargas muertas	510.8	0.6	2.4	0.4	1.6	0.0	510.8	41241	13010	0.4	1.6	121.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.3	0.0	-0.0	-0.3
		Sobrecarga de uso	321.8	0.2	-11.1	0.1	-7.1	0.0	321.8	25982	8183.6	0.1	-7.1	-576.8
		Viento +X exc.+	-0.2	10.3	-0.1	7.6	-0.0	-0.0	-0.2	-4.0	-4.5	7.6	-0.0	-197.5
		Viento +X exc.-	-0.5	10.4	0.2	7.7	0.2	0.0	-0.5	-29.4	-12.4	7.7	0.2	-182.6
		Viento -X exc.+	0.2	-10.3	0.1	-7.6	0.0	0.0	0.2	4.0	4.5	-7.6	0.0	197.5
		Viento -X exc.-	0.5	-10.4	-0.2	-7.7	-0.2	0.0	0.5	29.4	12.4	-7.7	-0.2	182.6
		Viento +Y exc.+	-40.0	2.5	28.1	2.1	20.2	0.1	-40.0	-3228	-990.9	2.1	20.2	1578.9
		Viento +Y exc.-	-34.4	-0.1	23.3	0.2	16.4	-0.0	-34.4	-2781	-853.6	0.2	16.4	1315.0
		Viento -Y exc.+	40.0	-2.5	-28.1	-2.1	-20.2	-0.1	40.0	3228.2	990.9	-2.1	-20.2	-1579
		Viento -Y exc.-	34.4	0.1	-23.3	-0.2	-16.4	0.0	34.4	2780.6	853.6	-0.2	-16.4	-1315
P60 [88.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	685.3	2.8	-32.6	1.8	-20.3	0.0	685.3	60813	17418	1.8	-20.3	-1850
		Cargas muertas	512.6	1.7	0.3	1.1	0.4	0.0	512.6	45489	13054	1.1	0.4	5.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.9	0.3	0.0	-0.0	-0.3
		Sobrecarga de uso	323.1	1.2	-12.5	0.8	-8.0	0.0	323.1	28675	8215.8	0.8	-8.0	-728.9
		Viento +X exc.+	0.3	11.1	-0.6	8.1	-0.4	-0.0	0.3	38.7	7.3	8.1	-0.4	-239.1
		Viento +X exc.-	-0.2	11.2	-0.2	8.2	-0.1	0.0	-0.2	-2.4	-4.1	8.2	-0.1	-214.9
		Viento -X exc.+	-0.3	-11.1	0.6	-8.1	0.4	0.0	-0.3	-38.7	-7.3	-8.1	0.4	239.1
		Viento -X exc.-	0.2	-11.2	0.2	-8.2	0.1	0.0	0.2	2.4	4.1	-8.2	0.1	214.9
		Viento +Y exc.+	-43.7	0.9	32.0	1.1	22.9	0.1	-43.7	-3877	-1081	1.1	22.9	2007.3
		Viento +Y exc.-	-35.6	-1.4	25.2	-0.6	17.6	-0.0	-35.6	-3161	-881.4	-0.6	17.6	1580.6
		Viento -Y exc.+	43.7	-0.9	-32.0	-1.1	-22.9	-0.1	43.7	3877.3	1081.0	-1.1	-22.9	-2007
		Viento -Y exc.-	35.6	1.4	-25.2	0.6	-17.6	0.0	35.6	3160.6	881.4	0.6	-17.6	-1581
P61 [96.738;25.465;0.0 grados] (50x50)	21.40/24.65	Peso propio	678.5	3.0	-36.7	1.9	-22.6	0.0	678.5	65636	17240	1.9	-22.6	-2239
		Cargas muertas	513.2	1.3	0.1	0.9	0.4	0.0	513.2	49647	13069	0.9	0.4	15.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.3	0.3	0.0	-0.0	-0.4
		Sobrecarga de uso	324.9	1.0	-14.7	0.6	-9.3	0.0	324.9	31428	8258.2	0.6	-9.3	-912.6
		Viento +X exc.+	1.3	11.4	-0.7	8.4	-0.4	-0.0	1.3	135.1	31.9	8.4	-0.4	-256.0
		Viento +X exc.-	0.7	11.5	-0.1	8.5	-0.0	0.0	0.7	77.1	17.1	8.5	-0.0	-217.6
		Viento -X exc.+	-1.3	-11.4	0.7	-8.4	0.4	0.0	-1.3	-135.1	-31.9	-8.4	0.4	256.0
		Viento -X exc.-	-0.7	-11.5	0.1	-8.5	0.0	-0.0	-0.7	-77.1	-17.1	-8.5	0.0	217.6
		Viento +Y exc.+	-45.8	1.1	37.7	1.3	27.6	0.1	-45.8	-4431	-1129	1.3	27.6	2637.8
		Viento +Y exc.-	-35.4	-1.3	28.2	-0.5	20.1	-0.0	-35.4	-3422	-872.3	-0.5	20.1	1961.4
		Viento -Y exc.+	45.8	-1.1	-37.7	-1.3	-27.6	-0.1	45.8	4431.0	1129.0	-1.3	-27.6	-2638
		Viento -Y exc.-	35.4	1.3	-28.2	0.5	-20.1	0.0	35.4	3422.1	872.3	0.5	-20.1	-1961
P62 [104.738;25.465;0.0 grados] (40x50)	21.40/24.65	Peso propio	656.1	2.3	-34.1	1.5	-21.5	0.0	656.1	68719	16673	1.5	-21.5	-2292
		Cargas muertas	510.7	1.2	-0.4	0.8	-0.0	0.0	510.7	53489	13004	0.8	-0.0	-23.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	320.9	0.6	-13.3	0.4	-8.6	0.0	320.9	33607	8157.4	0.4	-8.6	-909.5
		Viento +X exc.+	0.6	8.4	-0.6	6.2	-0.4	-0.0	0.6	71.2	14.7	6.2	-0.4	-201.0
		Viento +X exc.-	-0.1	8.5	-0.0	6.3	0.1	0.0	-0.1	-4.7	-3.2	6.3	0.1	-154.9
		Viento -X exc.+	-0.6	-8.4	0.6	-6.2	0.4	0.0	-0.6	-71.2	-14.7	-6.2	0.4	201.0
		Viento -X exc.-	0.1	-8.5	0.0	-6.3	-0.1	0.0	0.1	4.7	3.2	-6.3	-0.1	154.9
		Viento +Y exc.+	-46.1	1.4	36.1	1.2	26.6	0.1	-46.1	-4828	-1138	1.2	26.6	2752.5
		Viento +Y exc.-	-33.4	-0.5	25.7	-0.2	18.5	-0.0	-33.4	-3502	-825.8	-0.2	18.5	1942.0
		Viento -Y exc.+	46.1	-1.4	-36.1	-1.2	-26.6	-0.1	46.1	4828.3	1138.1	-1.2	-26.6	-2752
		Viento -Y exc.-	33.4	0.5	-25.7	0.2	-18.5	0.0	33.4	3502.5	825.8	0.2	-18.5	-1942
P63 [112.738;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	692.2	-0.2	-32.6	-0.2	-20.3	0.0	692.2	78032	17593	-0.2	-20.3	-2287
		Cargas muertas	509.7	0.9	0.6	0.5	0.6	0.0	509.7	57466	12981	0.5	0.6	52.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.3	0.3	0.0	-0.0	-0.9
		Sobrecarga de uso	336.4	-0.1	-12.5	-0.1	-8.0	0.0	336.4	37921	8552.9	-0.1	-8.0	-895.2
		Viento +X exc.+	-0.9	11.2	-0.5	8.1	-0.3	-0.0	-0.9	-90.5	-23.4	8.1	-0.3	-244.2
		Viento +X exc.-	-1.8	11.3	0.2	8.2	0.2	0.0	-1.8	-189.1	-45.0	8.2	0.2	-188.5
		Viento -X exc.+	0.9	-11.2	0.5	-8.1	0.3	0.0	0.9	90.5	23.4	-8.1	0.3	244.2
		Viento -X exc.-	1.8	-11.3	-0.2	-8.2	-0.2	0.0	1.8	189.1	45.0	-8.2	-0.2	188.5
		Viento +Y exc.+	-47.6	1.9	36.6	1.7	26.9	0.1	-47.6	-5365	-1176	1.7	26.9	2990.2
		Viento +Y exc.-	-32.4	-0.6	24.7	-0.1	17.8	-0.0	-32.4	-3649	-799.4	-0.1	17.8	2010.6
		Viento -Y exc.+	47.6	-1.9	-36.6	-1.7	-26.9	-0.1	47.6	5364.9	1175.6	-1.7	-26.9	-2990
		Viento -Y exc.-	32.4	0.6	-24.7	0.1	-17.8	0.0	32.4	3648.8	799.4	0.1	-17.8	-2011
P64 [120.788;25.465;0.0 grados] (50x45)	21.40/24.65	Peso propio	494.4	33.4	-24.7	21.3	-15.4	0.0	494.4	59750	12565	21.3	-15.4	-2405
		Cargas muertas	488.2	7.6	-5.1	4.9	-3.0	0.0	488.2	58971	12426	4.9	-3.0	-489.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	4.4	0.9	0.0	-0.0	-1.0
		Sobrecarga de uso	225.3	12.5	-9.0	8.2	-5.8	0.0	225.3	27223	5727.7	8.2	-5.8	-903.3
		Viento +X exc.+	8.2	6.6	-1.1	5.4	-0.7	-0.0	8.2	1002.0	208.8	5.4	-0.7	-224.4
		Viento +X exc.-	7.4	6.7	-0.4	5.5	-0.2	0.0	7.4	905.5	189.1	5.5	-0.2	-159.7
		Viento -X exc.+	-8.2	-6.6	1.1	-5.4	0.7	0.0	-8.2	-1002	-208.8	-5.4	0.7	224.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	-7.4	-6.7	0.4	-5.5	0.2	0.0	-7.4	-905.5	-189.1	-5.5	0.2	159.7
		Viento +Y exc.+	-43.1	0.4	34.9	0.8	26.3	0.1	-43.1	-5204	-1062	0.8	26.3	3151.6
		Viento +Y exc.-	-29.2	-0.9	22.4	-0.3	16.6	-0.0	-29.2	-3529	-721.4	-0.3	16.6	2016.9
		Viento -Y exc.+	43.1	-0.4	-34.9	-0.8	-26.3	-0.1	43.1	5204.4	1062.4	-0.8	-26.3	-3152
		Viento -Y exc.-	29.2	0.9	-22.4	0.3	-16.6	0.0	29.2	3529.0	721.4	0.3	-16.6	-2017
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	21.40/24.65	Peso propio	752.6	-2.3	17.1	-1.4	11.3	-0.0	752.6	24637	24074	-1.4	11.3	413.1
		Cargas muertas	315.7	4.1	12.4	2.3	8.0	0.0	315.7	10339	10104	2.3	8.0	187.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.2	1.2	0.0	-0.0	-0.2
		Sobrecarga de uso	371.8	1.2	9.4	0.7	6.3	0.0	371.8	12172	11893	0.7	6.3	185.8
		Viento +X exc.+	-2.1	14.1	1.5	10.4	1.0	-0.0	-2.1	-53.3	-64.4	10.4	1.0	-299.4
		Viento +X exc.-	0.8	14.1	0.7	10.4	0.4	0.0	0.8	40.8	26.7	10.4	0.4	-316.6
		Viento -X exc.+	2.1	-14.1	-1.5	-10.4	-1.0	0.0	2.1	53.3	64.4	-10.4	-1.0	299.4
		Viento -X exc.-	-0.8	-14.1	-0.7	-10.4	-0.4	-0.0	-0.8	-40.8	-26.7	-10.4	-0.4	316.6
		Viento +Y exc.+	-215.0	6.5	56.1	4.2	35.1	0.2	-215.0	-7031	-6815	4.2	35.1	1015.5
		Viento +Y exc.-	-264.7	6.5	70.0	4.1	44.0	-0.0	-264.7	-8658	-8390	4.1	44.0	1309.6
		Viento -Y exc.+	215.0	-6.5	-56.1	-4.2	-35.1	-0.2	215.0	7030.9	6815.2	-4.2	-35.1	-1015
		Viento -Y exc.-	264.7	-6.5	-70.0	-4.1	-44.0	0.0	264.7	8658.2	8390.1	-4.1	-44.0	-1310
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	21.40/24.65	Peso propio	792.4	6.3	17.7	4.0	11.5	-0.0	792.4	32287	25347	4.0	11.5	341.2
		Cargas muertas	335.3	-1.6	13.1	-0.8	8.3	0.0	335.3	13657	10730	-0.8	8.3	365.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.3	1.0	0.0	-0.0	-0.2
		Sobrecarga de uso	383.9	0.2	9.5	0.2	6.4	0.0	383.9	15641	12282	0.2	6.4	252.6
		Viento +X exc.+	-4.0	14.2	0.3	10.4	0.2	-0.0	-4.0	-146.9	-126.2	10.4	0.2	-325.2
		Viento +X exc.-	-2.2	14.4	-0.2	10.5	-0.1	0.0	-2.2	-73.4	-69.0	10.5	-0.1	-341.1
		Viento -X exc.+	4.0	-14.2	-0.3	-10.4	-0.2	0.0	4.0	146.9	126.2	-10.4	-0.2	325.2
		Viento -X exc.-	2.2	-14.4	0.2	-10.5	0.1	-0.0	2.2	73.4	69.0	-10.5	0.1	341.1
		Viento +Y exc.+	-205.3	-5.4	57.3	-3.0	36.4	0.2	-205.3	-8369	-6505	-3.0	36.4	1579.5
		Viento +Y exc.-	-235.6	-7.8	65.9	-4.6	41.8	-0.0	-235.6	-9605	-7465	-4.6	41.8	1849.3
		Viento -Y exc.+	205.3	5.4	-57.3	3.0	-36.4	-0.2	205.3	8368.8	6505.0	3.0	-36.4	-1579
		Viento -Y exc.-	235.6	7.8	-65.9	4.6	-41.8	0.0	235.6	9605.5	7464.9	4.6	-41.8	-1849
P121 [29.563;25.440;0.0 grados] (45x45)	21.40/24.55	Peso propio	369.2	-50.7	-2.9	-33.8	-3.1	0.0	369.2	10863	9388.9	-33.8	-3.1	769.8
		Cargas muertas	271.7	-76.0	-8.8	-50.5	-6.5	0.0	271.7	7955.5	6902.6	-50.5	-6.5	1091.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	198.1	-30.5	2.2	-20.2	0.6	0.0	198.1	5827.1	5042.8	-20.2	0.6	531.4
		Viento +X exc.+	-7.6	12.6	1.9	8.7	1.3	-0.0	-7.6	-212.2	-191.5	8.7	1.3	-184.6
		Viento +X exc.-	-7.6	12.7	1.8	8.8	1.1	0.0	-7.6	-211.4	-191.0	8.8	1.1	-190.9
		Viento -X exc.+	7.6	-12.6	-1.9	-8.7	-1.3	0.0	7.6	212.2	191.5	-8.7	-1.3	184.6
		Viento -X exc.-	7.6	-12.7	-1.8	-8.8	-1.1	0.0	7.6	211.4	191.0	-8.8	-1.1	190.9
		Viento +Y exc.+	-13.0	4.7	12.5	3.4	8.4	0.1	-13.0	-380.9	-319.3	3.4	8.4	160.5
		Viento +Y exc.-	-13.4	2.2	15.3	1.6	10.5	-0.0	-13.4	-395.2	-326.6	1.6	10.5	269.1
		Viento -Y exc.+	13.0	-4.7	-12.5	-3.4	-8.4	-0.1	13.0	380.9	319.3	-3.4	-8.4	-160.5
		Viento -Y exc.-	13.4	-2.2	-15.3	-1.6	-10.5	0.0	13.4	395.2	326.6	-1.6	-10.5	-269.1
P122 [43.913;25.440;0.0 grados] (45x45)	21.40/24.65	Peso propio	373.7	44.9	4.4	29.1	1.7	0.0	373.7	16453	9510.1	29.1	1.7	-666.8
		Cargas muertas	275.4	71.2	-8.4	45.8	-6.0	0.0	275.4	12167	6998.7	45.8	-6.0	-1429
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	196.0	26.1	3.7	16.9	1.6	0.0	196.0	8631.1	4988.8	16.9	1.6	-359.4
		Viento +X exc.+	7.0	11.0	-0.6	7.5	-0.4	-0.0	7.0	318.7	177.7	7.5	-0.4	-206.6
		Viento +X exc.-	7.2	11.1	-0.7	7.6	-0.4	0.0	7.2	327.4	182.5	7.6	-0.4	-212.4
		Viento -X exc.+	-7.0	-11.0	0.6	-7.5	0.4	0.0	-7.0	-318.7	-177.7	-7.5	0.4	206.6
		Viento -X exc.-	-7.2	-11.1	0.7	-7.6	0.4	0.0	-7.2	-327.4	-182.5	-7.6	0.4	212.4
		Viento +Y exc.+	-6.4	1.3	13.2	1.1	9.1	0.1	-6.4	-277.8	-148.5	1.1	9.1	371.3
		Viento +Y exc.-	-9.6	-1.5	15.0	-0.8	10.2	-0.0	-9.6	-424.4	-230.0	-0.8	10.2	470.3
		Viento -Y exc.+	6.4	-1.3	-13.2	-1.1	-9.1	-0.1	6.4	277.8	148.5	-1.1	-9.1	-371.3
		Viento -Y exc.-	9.6	1.5	-15.0	0.8	-10.2	0.0	9.6	424.4	230.0	0.8	-10.2	-470.3
M12 [32.588;36.503] (e=30.0 cm)	21.40/25.00	Peso propio	1179.0	-10.9	78.0	-5.5	-5.9	-3.9	1179.0	38409	43113	-5.5	-5.9	2.3
		Cargas muertas	373.2	-2.2	45.1	-0.7	5.8	-1.9	373.2	12161	13669	-0.7	5.8	214.0
		H 1	-0.1	0.0	-0.1	0.0	-0.0	0.0	-0.1	-1.8	-2.0	0.0	-0.0	-0.3
		Sobrecarga de uso	456.4	-2.1	63.9	-1.3	-4.7	-0.8	456.4	14870	16722	-1.3	-4.7	-108.6
		Viento +X exc.+	9.7	15.0	-60.8	10.5	0.4	4.0	9.7	332.2	294.5	10.5	0.4	-364.8
		Viento +X exc.-	4.9	15.0	-52.2	10.5	-2.1	4.1	4.9	173.4	125.2	10.5	-2.1	-449.5
		Viento -X exc.+	-9.7	-15.0	60.8	-10.5	-0.4	-4.0	-9.7	-332.2	-294.5	-10.5	-0.4	364.8
		Viento -X exc.-	-4.9	-15.0	52.2	-10.5	2.1	-4.1	-4.9	-173.4	-125.2	-10.5	2.1	449.5
		Viento +Y exc.+	191.9	-0.6	-167.9	-1.3	138.4	1.4	191.9	6254.1	6838.3	-1.3	138.4	4559.8
		Viento +Y exc.-	273.0	-0.7	-306.1	-2.1	186.1	-0.3	273.0	8896.8	9660.2	-2.1	186.1	6141.9
		Viento -Y exc.+	-191.9	0.6	167.9	1.3	-138.4	-1.4	-191.9	-6254	-6838	1.3	-138.4	-4560
		Viento -Y exc.-	-273.0	0.7	306.1	2.1	-186.1	0.3	-273.0	-8897	-9660	2.1	-186.1	-6142



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. quinta +21.50														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=21.40)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
M15 [40.825;36.503] (e=30.0 cm)	21.40/25.00	Peso propio	1130.5	15.0	68.4	8.0	-10.2	5.7	1130.5	46169	41336	8.0	-10.2	-703.4
		Cargas muertas	353.2	4.4	39.0	2.2	5.1	2.9	353.2	14425	12933	2.2	5.1	133.1
		H 1	-0.0	0.0	-0.1	0.0	-0.0	-0.0	-0.0	-1.9	-1.7	0.0	-0.0	-0.6
		Sobrecarga de uso	421.9	3.5	56.8	2.1	-7.5	1.6	421.9	17226	15456	2.1	-7.5	-381.4
		Viento +X exc.+	8.8	15.0	15.2	10.6	-4.3	3.7	8.8	372.2	334.6	10.6	-4.3	-557.2
		Viento +X exc.-	7.1	15.0	16.6	10.6	-5.1	3.8	7.1	303.5	274.5	10.6	-5.1	-591.1
		Viento -X exc.+	-8.8	-15.0	-15.2	-10.6	4.3	-3.7	-8.8	-372.2	-334.6	-10.6	4.3	557.2
		Viento -X exc.-	-7.1	-15.0	-16.6	-10.6	5.1	-3.8	-7.1	-303.5	-274.5	-10.6	5.1	591.1
		Viento +Y exc.+	280.4	0.9	-424.3	2.2	180.1	2.4	280.4	11450	9812.7	2.2	180.1	7275.5
		Viento +Y exc.-	305.0	1.1	-438.1	2.0	196.1	1.0	305.0	12454	10696	2.0	196.1	7933.9
		Viento -Y exc.+	-280.4	-0.9	424.3	-2.2	-180.1	-2.4	-280.4	-11450	-9813	-2.2	-180.1	-7276
		Viento -Y exc.-	-305.0	-1.1	438.1	-2.0	-196.1	-1.0	-305.0	-12454	-10696	-2.0	-196.1	-7934
Sumatorio		Peso propio							51195	3119885	1803853	-0.3	9.4	357.6
		Cargas muertas							28370	1736563	1001117	-0.1	3.4	131.8
		H 1							0.0	0.2	0.2	0.0	0.0	0.0
		Sobrecarga de uso							24815	1517732	875124	-0.1	4.3	162.0
		Viento +X exc.+							-2.0	4765.7	-70.6	591.0	-0.2	-21473
		Viento +X exc.-							-1.2	4790.9	-44.6	591.0	-0.1	-20299
		Viento -X exc.+							2.0	-4766	70.6	-591.0	0.2	21473
		Viento -X exc.-							1.2	-4791	44.6	-591.0	0.1	20299
		Viento +Y exc.+							-53.4	-2004	13501	0.2	1886.1	125109
		Viento +Y exc.-							-65.2	-2412	13079	-0.0	1882.8	104514
		Viento -Y exc.+							53.4	2003.8	-13501	-0.2	-1886	-125109
		Viento -Y exc.-							65.2	2412.0	-13079	0.0	-1883	-104514

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.688;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	642.5	-25.2	21.3	-19.6	17.1	0.0	642.5	416.8	28945	-19.6	17.1	895.5
		Cargas muertas	629.1	-1.3	-1.9	-3.9	1.9	0.0	629.1	431.4	28317	-3.9	1.9	177.8
		H 1	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.1	-7.8	0.0	-0.0	-0.6
		Sobrecarga de uso	272.3	-8.8	7.2	-7.0	6.0	0.0	272.3	178.5	12262	-7.0	6.0	317.3
		Viento +X exc.+	-11.9	9.0	0.6	7.2	0.5	-0.0	-11.9	0.8	-536.0	7.2	0.5	-321.9
		Viento +X exc.-	-13.0	8.9	-0.2	7.0	-0.1	0.0	-13.0	-0.1	-585.2	7.0	-0.1	-317.4
		Viento -X exc.+	11.9	-9.0	-0.6	-7.2	-0.5	0.0	11.9	-0.8	536.0	-7.2	-0.5	321.9
		Viento -X exc.-	13.0	-8.9	0.2	-7.0	0.1	-0.0	13.0	0.1	585.2	-7.0	0.1	317.4
		Viento +Y exc.+	32.0	-1.2	16.4	-1.5	9.7	0.2	32.0	20.8	1458.1	-1.5	9.7	74.4
		Viento +Y exc.-	50.6	1.5	30.0	0.4	19.6	0.0	50.6	36.2	2306.0	0.4	19.6	-4.8
		Viento -Y exc.+	-32.0	1.2	-16.4	1.5	-9.7	-0.2	-32.0	-20.8	-1458	1.5	-9.7	-74.4
		Viento -Y exc.-	-50.6	-1.5	-30.0	-0.4	-19.6	-0.0	-50.6	-36.2	-2306	-0.4	-19.6	4.8
P2 [8.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	912.4	3.8	43.0	2.5	24.9	0.0	912.4	7976.4	41115	2.5	24.9	105.1
		Cargas muertas	667.6	0.5	-2.9	0.4	-3.7	0.0	667.6	5834.1	30050	0.4	-3.7	-52.5
		H 1	0.1	0.0	-0.0	0.0	0.0	0.0	0.1	1.0	5.1	0.0	0.0	-0.5
		Sobrecarga de uso	407.6	1.1	15.9	0.7	8.9	0.0	407.6	3562.3	18362	0.7	8.9	46.9
		Viento +X exc.+	2.4	18.5	0.9	12.6	0.7	-0.0	2.4	39.7	110.3	12.6	0.7	-561.9
		Viento +X exc.-	1.1	18.2	0.0	12.4	0.1	0.0	1.1	27.6	48.1	12.4	0.1	-559.2
		Viento -X exc.+	-2.4	-18.5	-0.9	-12.6	-0.7	0.0	-2.4	-39.7	-110.3	-12.6	-0.7	561.9
		Viento -X exc.-	-1.1	-18.2	-0.0	-12.4	-0.1	-0.0	-1.1	-27.6	-48.1	-12.4	-0.1	559.2
		Viento +Y exc.+	42.3	-4.0	22.8	-2.9	13.6	0.2	42.3	365.4	1925.6	-2.9	13.6	249.6
		Viento +Y exc.-	65.9	0.6	38.3	0.2	24.0	0.0	65.9	576.8	3006.7	0.2	24.0	201.1
		Viento -Y exc.+	-42.3	4.0	-22.8	2.9	-13.6	-0.2	-42.3	-365.4	-1926	2.9	-13.6	-249.6
		Viento -Y exc.-	-65.9	-0.6	-38.3	-0.2	-24.0	-0.0	-65.9	-576.8	-3007	-0.2	-24.0	-201.1
P3 [16.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	892.3	1.4	42.8	0.8	24.8	0.0	892.3	14937	40210	0.8	24.8	379.8
		Cargas muertas	670.6	0.7	-2.6	0.4	-3.6	0.0	670.6	11224	30182	0.4	-3.6	-77.9
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.7	1.8	0.0	0.0	0.1
		Sobrecarga de uso	392.3	0.7	16.0	0.4	9.0	0.0	392.3	6566.8	17675	0.4	9.0	132.5
		Viento +X exc.+	1.4	17.8	0.7	12.2	0.6	-0.0	1.4	41.1	63.4	12.2	0.6	-540.2
		Viento +X exc.-	0.3	17.5	0.0	12.0	0.1	0.0	0.3	22.5	13.5	12.0	0.1	-540.7
		Viento -X exc.+	-1.4	-17.8	-0.7	-12.2	-0.6	0.0	-1.4	-41.1	-63.4	-12.2	-0.6	540.2
		Viento -X exc.-	-0.3	-17.5	-0.0	-12.0	-0.1	-0.0	-0.3	-22.5	-13.5	-12.0	-0.1	540.7
		Viento +Y exc.+	41.7	-3.7	25.3	-2.8	15.5	0.2	41.7	694.6	1903.2	-2.8	15.5	384.8
		Viento +Y exc.-	60.6	0.7	38.1	0.2	24.1	0.0	60.6	1014.6	2764.8	0.2	24.1	392.3
		Viento -Y exc.+	-41.7	3.7	-25.3	2.8	-15.5	-0.2	-41.7	-694.6	-1903	2.8	-15.5	-384.8
		Viento -Y exc.-												



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-60.6	-0.7	-38.1	-0.2	-24.1	-0.0	-60.6	-1015	-2765	-0.2	-24.1	-392.3
P4 [24.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	902.7	3.0	43.1	1.8	25.0	0.0	902.7	22334	40678	1.8	25.0	536.3
		Cargas muertas	675.3	0.9	-2.3	0.5	-3.5	0.0	675.3	16707	30397	0.5	-3.5	-108.1
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.0	0.0	0.1
		Sobrecarga de uso	399.1	0.8	15.8	0.5	8.9	0.0	399.1	9874.1	17982	0.5	8.9	199.1
		Viento +X exc.+	1.4	18.0	0.8	12.3	0.6	-0.0	1.4	52.6	63.8	12.3	0.6	-541.1
		Viento +X exc.-	0.4	17.7	0.2	12.2	0.2	0.0	0.4	28.3	19.3	12.2	0.2	-543.9
		Viento -X exc.+	-1.4	-18.0	-0.8	-12.3	-0.6	0.0	-1.4	-52.6	-63.8	-12.3	-0.6	541.1
		Viento -X exc.-	-0.4	-17.7	-0.2	-12.2	-0.2	-0.0	-0.4	-28.3	-19.3	-12.2	-0.2	543.9
		Viento +Y exc.+	51.1	-4.8	28.9	-3.5	18.1	0.2	51.1	1260.5	2331.3	-3.5	18.1	603.3
		Viento +Y exc.-	67.9	-0.7	39.5	-0.6	25.1	0.0	67.9	1678.2	3094.5	-0.6	25.1	649.3
		Viento -Y exc.+	-51.1	4.8	-28.9	3.5	-18.1	-0.2	-51.1	-1261	-2331	3.5	-18.1	-603.3
		Viento -Y exc.-	-67.9	0.7	-39.5	0.6	-25.1	-0.0	-67.9	-1678	-3094	0.6	-25.1	-649.3
P5 [32.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	866.1	1.0	33.6	0.5	19.0	0.0	866.1	28355	39020	0.5	19.0	597.3
		Cargas muertas	663.3	0.1	-6.0	-0.0	-5.8	0.0	663.3	21716	29853	-0.0	-5.8	-189.2
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.2	0.0	0.0	0.2
		Sobrecarga de uso	382.6	0.4	11.6	0.2	6.2	0.0	382.6	12526	17234	0.2	6.2	193.0
		Viento +X exc.+	2.3	17.9	0.9	12.3	0.6	-0.0	2.3	91.8	102.3	12.3	0.6	-535.0
		Viento +X exc.-	0.9	17.7	0.3	12.1	0.2	0.0	0.9	48.3	42.3	12.1	0.2	-540.1
		Viento -X exc.+	-2.3	-17.9	-0.9	-12.3	-0.6	0.0	-2.3	-91.8	-102.3	-12.3	-0.6	535.0
		Viento -X exc.-	-0.9	-17.7	-0.3	-12.1	-0.2	-0.0	-0.9	-48.3	-42.3	-12.1	-0.2	540.1
		Viento +Y exc.+	95.2	-5.2	40.4	-3.7	25.5	0.2	95.2	3112.4	4327.1	-3.7	25.5	1002.0
		Viento +Y exc.-	118.1	-1.1	50.5	-0.9	32.0	0.0	118.1	3864.9	5366.2	-0.9	32.0	1087.3
		Viento -Y exc.+	-95.2	5.2	-40.4	3.7	-25.5	-0.2	-95.2	-3112	-4327	3.7	-25.5	-1002
		Viento -Y exc.-	-118.1	1.1	-50.5	0.9	-32.0	-0.0	-118.1	-3865	-5366	0.9	-32.0	-1087
P6 [40.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	848.1	2.8	32.9	1.6	18.6	0.0	848.1	34553	38210	1.6	18.6	683.9
		Cargas muertas	655.5	1.0	-6.0	0.6	-5.8	0.0	655.5	26705	29501	0.6	-5.8	-260.7
		H 1	0.1	-0.0	0.0	0.0	0.0	0.0	0.1	2.1	2.4	0.0	0.0	0.3
		Sobrecarga de uso	375.3	0.7	11.4	0.4	6.1	0.0	375.3	15290	16906	0.4	6.1	231.4
		Viento +X exc.+	-0.4	18.3	0.1	12.5	0.1	-0.0	-0.4	0.7	-19.3	12.5	0.1	-558.9
		Viento +X exc.-	-1.3	18.1	-0.2	12.4	-0.1	0.0	-1.3	-34.3	-58.1	12.4	-0.1	-560.8
		Viento -X exc.+	0.4	-18.3	-0.1	-12.5	-0.1	0.0	0.4	-0.7	19.3	-12.5	-0.1	558.9
		Viento -X exc.-	1.3	-18.1	0.2	-12.4	0.1	-0.0	1.3	34.3	58.1	-12.4	0.1	560.8
		Viento +Y exc.+	98.4	-3.8	43.3	-2.8	27.7	0.2	98.4	4004.7	4472.6	-2.8	27.7	1254.1
		Viento +Y exc.-	112.6	0.7	49.8	0.3	31.8	0.0	112.6	4588.8	5119.6	0.3	31.8	1283.4
		Viento -Y exc.+	-98.4	3.8	-43.3	2.8	-27.7	-0.2	-98.4	-4005	-4473	2.8	-27.7	-1254
		Viento -Y exc.-	-112.6	-0.7	-49.8	-0.3	-31.8	-0.0	-112.6	-4589	-5120	-0.3	-31.8	-1283
P7 [48.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	963.9	-23.7	46.0	-15.0	26.7	0.0	963.9	46954	43435	-15.0	26.7	1973.3
		Cargas muertas	686.9	-9.9	-0.1	-6.4	-2.1	0.0	686.9	33466	30919	-6.4	-2.1	183.1
		H 1	0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	2.0	1.9	0.0	0.0	0.2
		Sobrecarga de uso	413.0	-6.6	16.0	-4.2	9.0	0.0	413.0	20123	18608	-4.2	9.0	624.7
		Viento +X exc.+	4.2	13.9	0.2	9.8	0.2	-0.0	4.2	217.5	188.3	9.8	0.2	-434.4
		Viento +X exc.-	3.9	13.7	0.1	9.7	0.1	0.0	3.9	203.4	175.3	9.7	0.1	-432.1
		Viento -X exc.+	-4.2	-13.9	-0.2	-9.8	-0.2	0.0	-4.2	-217.5	-188.3	-9.8	-0.2	434.4
		Viento -X exc.-	-3.9	-13.7	-0.1	-9.7	-0.1	-0.0	-3.9	-203.4	-175.3	-9.7	-0.1	432.1
		Viento +Y exc.+	59.2	-3.1	36.1	-2.4	23.6	0.2	59.2	2884.2	2702.9	-2.4	23.6	1260.5
		Viento +Y exc.-	64.1	0.4	38.5	0.0	25.0	0.0	64.1	3125.7	2925.0	0.0	25.0	1214.8
		Viento -Y exc.+	-59.2	3.1	-36.1	2.4	-23.6	-0.2	-59.2	-2884	-2703	2.4	-23.6	-1261
		Viento -Y exc.-	-64.1	-0.4	-38.5	-0.0	-25.0	-0.0	-64.1	-3126	-2925	-0.0	-25.0	-1215
P8 [56.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	883.5	2.3	38.6	1.3	22.3	0.0	883.5	50132	39811	1.3	22.3	1202.7
		Cargas muertas	664.7	-1.2	-3.2	-0.8	-4.0	0.0	664.7	37714	29919	-0.8	-4.0	-193.7
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.0	0.0	0.2
		Sobrecarga de uso	391.3	0.2	14.2	0.1	7.9	0.0	391.3	22203	17629	0.1	7.9	443.9
		Viento +X exc.+	-2.8	17.9	0.1	12.3	0.1	-0.0	-2.8	-142.5	-127.1	12.3	0.1	-547.9
		Viento +X exc.-	-2.8	17.7	0.2	12.1	0.1	0.0	-2.8	-142.0	-126.5	12.1	0.1	-539.2
		Viento -X exc.+	2.8	-17.9	-0.1	-12.3	-0.1	0.0	2.8	142.5	127.1	-12.3	-0.1	547.9
		Viento -X exc.-	2.8	-17.7	-0.2	-12.1	-0.1	-0.0	2.8	142.0	126.5	-12.1	-0.1	539.2
		Viento +Y exc.+	57.6	-4.1	36.0	-3.1	24.0	0.2	57.6	3264.8	2629.5	-3.1	24.0	1498.2
		Viento +Y exc.-	57.5	0.0	35.8	-0.2	23.5	0.0	57.5	3262.9	2624.5	-0.2	23.5	1341.0
		Viento -Y exc.+	-57.6	4.1	-36.0	3.1	-24.0	-0.2	-57.6	-3265	-2630	3.1	-24.0	-1498
		Viento -Y exc.-	-57.5	-0.0	-35.8	0.2	-23.5	-0.0	-57.5	-3263	-2624	0.2	-23.5	-1341
P9 [64.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	886.4	0.9	38.2	0.4	22.1	0.0	886.4	57385	39940	0.4	22.1	1408.4
		Cargas muertas	672.8	0.3	-2.4	0.1	-3.5	0.0	672.8	43553	30281	0.1	-3.5	-234.1
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	3.0	2.1	0.0	0.0	0.3
		Sobrecarga de uso	396.3	0.3	14.5	0.1	8.1	0.0	396.3	25654	17852	0.1	8.1	520.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	0.0	17.3	0.2	11.9	0.1	-0.0	0.0	20.3	2.3	11.9	0.1	-531.7
		Viento +X exc.-	0.2	17.0	0.3	11.8	0.2	0.0	0.2	30.8	9.9	11.8	0.2	-516.6
		Viento -X exc.+	-0.0	-17.3	-0.2	-11.9	-0.1	0.0	-0.0	-20.3	-2.3	-11.9	-0.1	531.7
		Viento -X exc.-	-0.2	-17.0	-0.3	-11.8	-0.2	-0.0	-0.2	-30.8	-9.9	-11.8	-0.2	516.6
		Viento +Y exc.+	58.6	-4.0	37.7	-3.0	25.4	0.2	58.6	3789.2	2675.3	-3.0	25.4	1778.1
		Viento +Y exc.-	55.5	0.1	35.0	-0.1	23.2	0.0	55.5	3593.1	2533.4	-0.1	23.2	1507.3
		Viento -Y exc.+	-58.6	4.0	-37.7	3.0	-25.4	-0.2	-58.6	-3789.2	-2675.3	3.0	-25.4	-1778.1
		Viento -Y exc.-	-55.5	-0.1	-35.0	0.1	-23.2	-0.0	-55.5	-3593.1	-2533.4	0.1	-23.2	-1507.3
P10 [72.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	893.9	1.6	38.1	1.0	22.0	0.0	893.9	65020	40275	1.0	22.0	1556.7
		Cargas muertas	675.2	0.6	-2.7	0.3	-3.7	0.0	675.2	49112	30391	0.3	-3.7	-281.2
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	3.1	1.9	0.0	0.0	0.3
		Sobrecarga de uso	397.4	0.6	14.2	0.4	8.0	0.0	397.4	28909	17904	0.4	8.0	562.5
		Viento +X exc.+	0.5	17.4	0.3	12.0	0.1	-0.0	0.5	50.5	20.8	12.0	0.1	-530.8
		Viento +X exc.-	0.8	17.2	0.6	11.9	0.4	0.0	0.8	77.0	37.6	11.9	0.4	-507.6
		Viento -X exc.+	-0.5	-17.4	-0.3	-12.0	-0.1	0.0	-0.5	-50.5	-20.8	-12.0	-0.1	530.8
		Viento -X exc.-	-0.8	-17.2	-0.6	-11.9	-0.4	-0.0	-0.8	-77.0	-37.6	-11.9	-0.4	507.6
		Viento +Y exc.+	63.3	-4.0	40.3	-3.0	27.3	0.2	63.3	4601.3	2890.3	-3.0	27.3	2119.9
		Viento +Y exc.-	56.6	0.1	35.1	-0.1	23.4	0.0	56.6	4117.3	2583.1	-0.1	23.4	1705.6
		Viento -Y exc.+	-63.3	4.0	-40.3	3.0	-27.3	-0.2	-63.3	-4601.3	-2890.3	3.0	-27.3	-2120.0
		Viento -Y exc.-	-56.6	-0.1	-35.1	0.1	-23.4	-0.0	-56.6	-4117.3	-2583.1	0.1	-23.4	-1706.0
P11 [80.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	887.1	0.7	38.0	0.5	22.0	0.0	887.1	71626	39972	0.5	22.0	1754.4
		Cargas muertas	673.5	-0.1	-2.2	-0.0	-3.4	0.0	673.5	54375	30314	-0.0	-3.4	-272.5
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.1	0.0	0.0	0.4
		Sobrecarga de uso	396.6	0.2	14.4	0.1	8.1	0.0	396.6	32020	17867	0.1	8.1	647.9
		Viento +X exc.+	-0.2	17.4	0.2	12.0	0.0	-0.0	-0.2	0.4	-9.3	12.0	0.0	-537.7
		Viento +X exc.-	0.4	17.2	0.6	11.9	0.4	0.0	0.4	46.8	17.1	11.9	0.4	-504.7
		Viento -X exc.+	0.2	-17.4	-0.2	-12.0	-0.0	0.0	0.2	-0.4	9.3	-12.0	-0.0	537.7
		Viento -X exc.-	-0.4	-17.2	-0.6	-11.9	-0.4	-0.0	-0.4	-46.8	-17.1	-11.9	-0.4	504.7
		Viento +Y exc.+	64.2	-4.0	42.4	-3.0	29.0	0.2	64.2	5175.3	2930.1	-3.0	29.0	2476.1
		Viento +Y exc.-	53.8	0.1	34.8	-0.1	23.3	0.0	53.8	4347.1	2458.4	-0.1	23.3	1891.4
		Viento -Y exc.+	-64.2	4.0	-42.4	3.0	-29.0	-0.2	-64.2	-5175.3	-2930.1	3.0	-29.0	-2476.1
		Viento -Y exc.-	-53.8	-0.1	-34.8	0.1	-23.3	-0.0	-53.8	-4347.1	-2458.4	0.1	-23.3	-1891.4
P12 [88.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	892.8	3.4	37.6	2.1	21.8	0.0	892.8	79228	40226	2.1	21.8	1835.0
		Cargas muertas	675.3	2.1	-2.4	1.3	-3.5	0.0	675.3	59927	30396	1.3	-3.5	-367.7
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.1	0.0	0.0	0.4
		Sobrecarga de uso	396.9	1.1	14.1	0.7	7.9	0.0	396.9	35218	17879	0.7	7.9	671.7
		Viento +X exc.+	-0.0	18.0	-0.0	12.3	-0.1	-0.0	-0.0	16.3	-0.9	12.3	-0.1	-563.5
		Viento +X exc.-	0.8	17.7	0.6	12.2	0.3	0.0	0.8	86.7	35.5	12.2	0.3	-518.4
		Viento -X exc.+	0.0	-18.0	0.0	-12.3	0.1	0.0	0.0	-16.3	0.9	-12.3	0.1	563.5
		Viento -X exc.-	-0.8	-17.7	-0.6	-12.2	-0.3	-0.0	-0.8	-86.7	-35.5	-12.2	-0.3	518.4
		Viento +Y exc.+	69.7	-4.3	45.4	-3.2	31.2	0.2	69.7	6182.5	3183.8	-3.2	31.2	2912.0
		Viento +Y exc.-	55.5	-0.1	35.1	-0.2	23.7	0.0	55.5	4928.8	2535.4	-0.2	23.7	2114.3
		Viento -Y exc.+	-69.7	4.3	-45.4	3.2	-31.2	-0.2	-69.7	-6182.5	-3183.8	3.2	-31.2	-2912.0
		Viento -Y exc.-	-55.5	0.1	-35.1	0.2	-23.7	-0.0	-55.5	-4928.8	-2535.4	0.2	-23.7	-2114.3
P13 [96.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	894.2	2.2	40.6	1.3	23.7	0.0	894.2	86508	40294	1.3	23.7	2231.2
		Cargas muertas	674.4	1.1	-1.1	0.7	-2.6	0.0	674.4	65244	30358	0.7	-2.6	-286.0
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.2	0.0	0.0	0.5
		Sobrecarga de uso	396.8	1.0	15.4	0.6	8.7	0.0	396.8	38382	17875	0.6	8.7	817.7
		Viento +X exc.+	-0.4	18.0	0.1	12.3	-0.0	-0.0	-0.4	-20.0	-17.6	12.3	-0.0	-558.0
		Viento +X exc.-	0.6	17.7	0.9	12.2	0.5	0.0	0.6	79.6	29.7	12.2	0.5	-498.5
		Viento -X exc.+	0.4	-18.0	-0.1	-12.3	0.0	0.0	0.4	20.0	17.6	-12.3	0.0	558.0
		Viento -X exc.-	-0.6	-17.7	-0.9	-12.2	-0.5	-0.0	-0.6	-79.6	-29.7	-12.2	-0.5	498.5
		Viento +Y exc.+	72.6	-3.3	50.1	-2.5	34.4	0.2	72.6	7016.8	3316.7	-2.5	34.4	3440.0
		Viento +Y exc.-	54.4	0.7	36.7	0.2	24.8	0.0	54.4	5266.5	2486.9	0.2	24.8	2387.2
		Viento -Y exc.+	-72.6	3.3	-50.1	2.5	-34.4	-0.2	-72.6	-7016.8	-3316.7	2.5	-34.4	-2387.2
		Viento -Y exc.-	-54.4	-0.7	-36.7	-0.2	-24.8	-0.0	-54.4	-5266.5	-2486.9	-0.2	-24.8	-2387.2
P14 [104.738;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	908.2	1.5	44.4	0.9	26.0	0.0	908.2	95125	40927	0.9	26.0	2680.9
		Cargas muertas	682.2	0.1	0.4	0.1	-1.7	0.0	682.2	71448	30707	0.1	-1.7	-182.4
		H 1	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	4.1	1.8	0.0	0.0	0.4
		Sobrecarga de uso	402.0	0.2	16.0	0.1	9.1	0.0	402.0	42106	18112	0.1	9.1	948.9
		Viento +X exc.+	-1.1	17.9	-0.1	12.3	-0.2	-0.0	-1.1	-96.4	-49.2	12.3	-0.2	-573.2
		Viento +X exc.-	0.2	17.6	0.8	12.1	0.5	0.0	0.2	37.6	9.3	12.1	0.5	-497.9
		Viento -X exc.+	1.1	-17.9	0.1	-12.3	0.2	0.0	1.1	96.4	49.2	-12.3	0.2	573.2
		Viento -X exc.-	-0.2	-17.6	-0.8	-12.1	-0.5	-0.0	-0.2	-37.6	-9.3	-12.1	-0.5	497.9
		Viento +Y exc.+	80.2	-3.8	52.8	-2.9	36.4	0.2	80.2	8399.3	3664.3	-2.9	36.4	3941.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P15 [112.738;45.015;0.0 grados] (50x50)	17.80/21.05	Viento +Y exc.-	57.6	0.3	36.7	-0.0	24.9	0.0	57.6	6034.7	2630.1	-0.0	24.9	2612.4
		Viento -Y exc.+	-80.2	3.8	-52.8	2.9	-36.4	-0.2	-80.2	-8399	-3664	2.9	-36.4	-3941
		Viento -Y exc.-	-57.6	-0.3	-36.7	0.0	-24.9	-0.0	-57.6	-6035	-2630	0.0	-24.9	-2612
		Peso propio	932.6	2.1	45.6	1.0	26.9	0.0	932.6	105145	42028	1.0	26.9	2987.6
		Cargas muertas	682.9	2.0	1.0	1.1	-1.3	0.0	682.9	76995	30743	1.1	-1.3	-189.9
		H 1	0.1	-0.0	-0.0	-0.0	0.0	0.0	0.1	10.7	4.3	-0.0	0.0	0.4
		Sobrecarga de uso	418.5	0.9	16.6	0.5	9.5	0.0	418.5	47186	18857	0.5	9.5	1046.8
		Viento +X exc.+	-2.3	18.4	-0.4	12.5	-0.4	-0.0	-2.3	-244.1	-105.2	12.5	-0.4	-608.8
		Viento +X exc.-	-0.8	18.1	0.6	12.4	0.4	0.0	-0.8	-67.7	-33.6	12.4	0.4	-516.4
		Viento -X exc.+	2.3	-18.4	0.4	-12.5	0.4	0.0	2.3	244.1	105.2	-12.5	0.4	608.8
		Viento -X exc.-	0.8	-18.1	-0.6	-12.4	-0.4	-0.0	0.8	67.7	33.6	-12.4	-0.4	516.4
		Viento +Y exc.+	84.6	-3.8	55.3	-2.8	38.3	0.2	84.6	9534.5	3863.8	-2.8	38.3	4441.4
		Viento +Y exc.-	57.3	0.4	36.4	0.0	25.0	0.0	57.3	6460.3	2615.8	0.0	25.0	2812.8
		Viento -Y exc.+	-84.6	3.8	-55.3	2.8	-38.3	-0.2	-84.6	-9534	-3864	2.8	-38.3	-4441
		Viento -Y exc.-	-57.3	-0.4	-36.4	-0.0	-25.0	-0.0	-57.3	-6460	-2616	-0.0	-25.0	-2813
P16 [120.788;45.015;0.0 grados] (50x50)	17.80/21.05	Peso propio	643.2	25.1	15.4	18.5	12.7	0.0	643.2	77714	28968	18.5	12.7	695.3
		Cargas muertas	636.6	-2.0	-4.7	0.9	-0.8	0.0	636.6	76893	28652	0.9	-0.8	-140.4
		H 1	-0.2	-0.0	-0.0	-0.0	-0.0	0.0	-0.2	-19.2	-7.2	-0.0	-0.0	-2.2
		Sobrecarga de uso	272.5	8.4	4.7	6.2	4.0	0.0	272.5	32924	12271	6.2	4.0	206.1
		Viento +X exc.+	12.0	8.6	-0.3	6.9	-0.3	-0.0	12.0	1454.7	538.6	6.9	-0.3	-348.5
		Viento +X exc.-	13.3	8.5	0.6	6.8	0.4	0.0	13.3	1613.2	598.6	6.8	0.4	-262.1
		Viento -X exc.+	-12.0	-8.6	0.3	-6.9	0.3	0.0	-12.0	-1455	-538.6	-6.9	0.3	348.5
		Viento -X exc.-	-13.3	-8.5	-0.6	-6.8	-0.4	-0.0	-13.3	-1613	-598.6	-6.8	-0.4	262.1
		Viento +Y exc.+	69.7	-3.4	41.5	-2.4	31.4	0.2	69.7	8419.8	3180.6	-2.4	31.4	3900.2
		Viento +Y exc.-	46.8	-0.7	26.0	-0.5	19.5	0.0	46.8	5649.7	2131.8	-0.5	19.5	2376.8
		Viento -Y exc.+	-69.7	3.4	-41.5	2.4	-31.4	-0.2	-69.7	-8420	-3181	2.4	-31.4	-3900
		Viento -Y exc.-	-46.8	0.7	-26.0	0.5	-19.5	-0.0	-46.8	-5650	-2132	0.5	-19.5	-2377
P17 [0.688;38.465;0.0 grados] (Diámetro 50)	17.80/21.05	Peso propio	882.9	-36.1	1.2	-21.7	0.5	0.0	882.9	571.2	33960	-21.7	0.5	835.8
		Cargas muertas	599.8	8.6	-0.7	6.3	-0.6	0.0	599.8	421.2	23072	6.3	-0.6	-243.0
		H 1	0.2	-0.0	-0.0	-0.0	-0.0	0.0	0.2	0.1	7.7	-0.0	-0.0	0.2
		Sobrecarga de uso	395.3	-13.6	1.1	-8.0	0.6	0.0	395.3	258.3	15207	-8.0	0.6	309.3
		Viento +X exc.+	-14.5	11.7	1.2	7.9	0.8	-0.0	-14.5	1.7	-556.5	7.9	0.8	-303.7
		Viento +X exc.-	-14.4	11.6	-0.1	7.9	-0.1	0.0	-14.4	1.8	-552.1	7.9	-0.1	-303.3
		Viento -X exc.+	14.5	-11.7	-1.2	-7.9	-0.8	0.0	14.5	-1.7	556.5	-7.9	-0.8	303.7
		Viento -X exc.-	14.4	-11.6	0.1	-7.9	0.1	-0.0	14.4	-1.8	552.1	-7.9	0.1	303.3
		Viento +Y exc.+	-2.7	-0.9	23.0	-0.7	14.0	0.1	-2.7	-2.8	-80.3	-0.7	14.0	36.5
		Viento +Y exc.-	-5.4	-0.2	46.9	-0.2	29.4	0.0	-5.4	-4.0	-160.0	-0.2	29.4	28.3
		Viento -Y exc.+	2.7	0.9	-23.0	0.7	-14.0	-0.1	2.7	2.8	80.3	0.7	-14.0	-36.5
		Viento -Y exc.-	5.4	0.2	-46.9	0.2	-29.4	-0.0	5.4	4.0	160.0	0.2	-29.4	-28.3
P18 [8.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1248.1	19.9	-17.4	12.4	-10.8	0.0	1248.1	10925	47989	12.4	-10.8	-572.6
		Cargas muertas	466.1	8.7	-11.1	5.4	-6.9	0.0	466.1	4081.2	17916	5.4	-6.9	-267.8
		H 1	-0.1	-0.0	0.0	-0.0	0.0	0.0	-0.1	-0.9	-3.9	-0.0	0.0	0.5
		Sobrecarga de uso	568.0	6.9	-6.0	4.2	-3.7	0.0	568.0	4970.4	21844	4.2	-3.7	-194.9
		Viento +X exc.+	2.7	18.0	0.8	12.4	0.6	-0.0	2.7	41.7	105.1	12.4	0.6	-471.2
		Viento +X exc.-	3.0	18.0	-0.4	12.4	-0.2	0.0	3.0	44.0	114.0	12.4	-0.2	-477.1
		Viento -X exc.+	-2.7	-18.0	-0.8	-12.4	-0.6	0.0	-2.7	-41.7	-105.1	-12.4	-0.6	471.2
		Viento -X exc.-	-3.0	-18.0	0.4	-12.4	0.2	-0.0	-3.0	-44.0	-114.0	-12.4	0.2	477.1
		Viento +Y exc.+	-6.4	-1.8	30.2	-1.3	18.4	0.2	-6.4	-57.3	-214.1	-1.3	18.4	211.4
		Viento +Y exc.-	-11.1	-1.1	51.8	-0.7	32.7	0.0	-11.1	-97.7	-373.4	-0.7	32.7	314.4
		Viento -Y exc.+	6.4	1.8	-30.2	1.3	-18.4	-0.2	6.4	57.3	214.1	1.3	-18.4	-211.4
		Viento -Y exc.-	11.1	1.1	-51.8	0.7	-32.7	-0.0	11.1	97.7	373.4	0.7	-32.7	-314.4
P19 [16.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1349.9	0.4	0.5	0.2	0.5	0.0	1349.9	22594	51923	0.2	0.5	1.8
		Cargas muertas	537.7	0.5	-2.0	0.3	-1.1	0.0	537.7	9000.2	20680	0.3	-1.1	-30.1
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-1.0	-2.2	0.0	0.0	0.2
		Sobrecarga de uso	628.6	0.4	1.3	0.2	0.9	0.0	628.6	10521	24179	0.2	0.9	5.8
		Viento +X exc.+	0.2	19.9	1.2	13.5	0.9	-0.0	0.2	23.5	9.7	13.5	0.9	-505.6
		Viento +X exc.-	0.2	19.8	0.0	13.5	0.1	0.0	0.2	22.6	6.6	13.5	0.1	-516.3
		Viento -X exc.+	-0.2	-19.9	-1.2	-13.5	-0.9	0.0	-0.2	-23.5	-9.7	-13.5	-0.9	505.6
		Viento -X exc.-	-0.2	-19.8	-0.0	-13.5	-0.1	-0.0	-0.2	-22.6	-6.6	-13.5	-0.1	516.3
		Viento +Y exc.+	1.9	-1.3	38.9	-1.0	24.2	0.2	1.9	30.1	111.1	-1.0	24.2	444.7
		Viento +Y exc.-	2.7	0.2	59.6	0.1	37.8	0.0	2.7	44.8	162.0	0.1	37.8	630.1
		Viento -Y exc.+	-1.9	1.3	-38.9	1.0	-24.2	-0.2	-1.9	-30.1	-111.1	1.0	-24.2	-444.7
		Viento -Y exc.-	-2.7	-0.2	-59.6	-0.1	-37.8	-0.0	-2.7	-44.8	-162.0	-0.1	-37.8	-630.1
P20 [24.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1140.4	-2.4	-16.2	-1.5	-10.0	0.0	1140.4	28209	43851	-1.5	-10.0	-190.7
		Cargas muertas	436.6	-1.8	-9.7	-1.1	-6.0	0.0	436.6	10800	16786	-1.1	-6.0	-107.9





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-1.3	-2.0	0.0	0.0	0.3
		Sobrecarga de uso	518.7	-0.5	-5.2	-0.3	-3.2	0.0	518.7	12831	19946	-0.3	-3.2	-67.2
		Viento +X exc.+	-4.0	17.6	0.9	12.1	0.7	-0.0	-4.0	-80.8	-152.0	12.1	0.7	-450.4
		Viento +X exc.-	-4.0	17.5	0.1	12.1	0.1	0.0	-4.0	-80.2	-151.8	12.1	0.1	-461.9
		Viento -X exc.+	4.0	-17.6	-0.9	-12.1	-0.7	0.0	4.0	80.8	152.0	-12.1	-0.7	450.4
		Viento -X exc.-	4.0	-17.5	-0.1	-12.1	-0.1	-0.0	4.0	80.2	151.8	-12.1	-0.1	461.9
		Viento +Y exc.+	5.9	-2.3	36.3	-1.6	22.9	0.2	5.9	143.1	262.4	-1.6	22.9	629.9
		Viento +Y exc.-	5.6	-1.3	50.1	-0.9	32.0	0.0	5.6	137.5	266.1	-0.9	32.0	826.5
		Viento -Y exc.+	-5.9	2.3	-36.3	1.6	-22.9	-0.2	-5.9	-143.1	-262.4	1.6	-22.9	-629.9
		Viento -Y exc.-	-5.6	1.3	-50.1	0.9	-32.0	-0.0	-5.6	-137.5	-266.1	0.9	-32.0	-826.5
P21 [32.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	391.3	10.5	-13.2	3.9	-19.2	0.3	391.3	12820	15037	3.9	-19.2	-777.0
		Cargas muertas	133.8	5.8	-6.7	2.4	-10.0	0.2	133.8	4384.9	5138.4	2.4	-10.0	-417.5
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.4	-0.4	0.0	0.0	0.5
		Sobrecarga de uso	160.5	4.6	-4.7	2.0	-6.7	0.1	160.5	5259.6	6169.6	2.0	-6.7	-294.5
		Viento +X exc.+	-27.1	9.2	-1.9	7.7	-0.8	0.0	-27.1	-877.7	-1044	7.7	-0.8	-319.9
		Viento +X exc.-	-25.1	9.3	-2.1	7.6	-1.2	0.0	-25.1	-814.1	-969.4	7.6	-1.2	-328.8
		Viento -X exc.+	27.1	-9.2	1.9	-7.7	0.8	-0.0	27.1	877.7	1044.0	-7.7	0.8	319.9
		Viento -X exc.-	25.1	-9.3	2.1	-7.6	1.2	-0.0	25.1	814.1	969.4	-7.6	1.2	328.8
		Viento +Y exc.+	59.9	-9.2	14.4	0.6	32.4	-0.1	59.9	1951.6	2318.1	0.6	32.4	1038.7
		Viento +Y exc.-	36.1	-10.2	17.2	2.8	39.8	-0.3	36.1	1172.5	1406.7	2.8	39.8	1192.7
		Viento -Y exc.+	-59.9	9.2	-14.4	-0.6	-32.4	0.1	-59.9	-1952	-2318	-0.6	-32.4	-1039
		Viento -Y exc.-	-36.1	10.2	-17.2	-2.8	-39.8	0.3	-36.1	-1172	-1407	-2.8	-39.8	-1193
P22 [40.675;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	366.7	-7.1	-12.4	-1.8	-18.9	-0.3	366.7	14908	14092	-1.8	-18.9	-700.5
		Cargas muertas	127.3	-4.2	-6.1	-1.7	-9.2	-0.1	127.3	5172.0	4889.0	-1.7	-9.2	-310.8
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-1.5	-1.4	0.0	0.0	0.5
		Sobrecarga de uso	142.9	-3.2	-4.6	-1.0	-7.0	-0.1	142.9	5810.8	5493.5	-1.0	-7.0	-243.5
		Viento +X exc.+	-1.8	9.7	2.1	8.2	0.9	0.0	-1.8	-65.4	-69.0	8.2	0.9	-275.9
		Viento +X exc.-	-2.5	9.5	1.9	8.1	0.6	0.0	-2.5	-90.9	-93.0	8.1	0.6	-285.7
		Viento -X exc.+	1.8	-9.7	-2.1	-8.2	-0.9	-0.0	1.8	65.4	69.0	-8.2	-0.9	275.9
		Viento -X exc.-	2.5	-9.5	-1.9	-8.1	-0.6	-0.0	2.5	90.9	93.0	-8.1	-0.6	285.7
		Viento +Y exc.+	-46.1	7.5	12.8	-3.8	30.8	0.4	-46.1	-1868	-1760	-3.8	30.8	1401.5
		Viento +Y exc.-	-29.3	9.8	15.4	-2.6	36.3	0.3	-29.3	-1180	-1110	-2.6	36.3	1577.1
		Viento -Y exc.+	46.1	-7.5	-12.8	3.8	-30.8	-0.4	46.1	1867.6	1760.4	3.8	-30.8	-1401
		Viento -Y exc.-	29.3	-9.8	-15.4	2.6	-36.3	-0.3	29.3	1179.9	1109.7	2.6	-36.3	-1577
P23 [48.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1269.1	-17.3	-18.3	-11.1	-11.2	0.0	1269.1	61835	48796	-11.1	-11.2	-120.7
		Cargas muertas	479.7	-5.2	-9.2	-3.4	-5.7	0.0	479.7	23375	18443	-3.4	-5.7	-148.6
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-2.6	-2.0	0.0	0.0	0.5
		Sobrecarga de uso	564.0	-4.7	-5.3	-3.0	-3.2	0.0	564.0	27483	21688	-3.0	-3.2	-40.9
		Viento +X exc.+	6.8	14.8	0.1	10.4	0.1	-0.0	6.8	346.6	262.0	10.4	0.1	-394.2
		Viento +X exc.-	6.8	14.7	-0.0	10.3	0.0	0.0	6.8	345.4	261.0	10.3	0.0	-397.2
		Viento -X exc.+	-6.8	-14.8	-0.1	-10.4	-0.1	0.0	-6.8	-346.6	-262.0	-10.4	-0.1	394.2
		Viento -X exc.-	-6.8	-14.7	0.0	-10.3	-0.0	-0.0	-6.8	-345.4	-261.0	-10.3	-0.0	397.2
		Viento +Y exc.+	6.1	0.8	47.9	0.3	31.2	0.2	6.1	296.6	281.4	0.3	31.2	1506.6
		Viento +Y exc.-	6.6	2.0	50.7	1.2	32.8	0.0	6.6	322.7	303.8	1.2	32.8	1551.6
		Viento -Y exc.+	-6.1	-0.8	-47.9	-0.3	-31.2	-0.2	-6.1	-296.6	-281.4	-0.3	-31.2	-1507
		Viento -Y exc.-	-6.6	-2.0	-50.7	-1.2	-32.8	-0.0	-6.6	-322.7	-303.8	-1.2	-32.8	-1552
P24 [56.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1198.7	19.2	-18.2	12.0	-11.1	0.0	1198.7	68032	46091	12.0	-11.1	-1092
		Cargas muertas	462.3	7.5	-9.2	4.6	-5.7	0.0	462.3	26240	17775	4.6	-5.7	-499.4
		H 1	-0.1	-0.0	0.0	0.0	0.0	0.0	-0.1	-3.2	-2.2	-0.0	0.0	0.6
		Sobrecarga de uso	543.9	5.9	-6.1	3.7	-3.7	0.0	543.9	30863	20913	3.7	-3.7	-349.1
		Viento +X exc.+	-0.2	17.5	0.0	12.1	0.0	-0.0	-0.2	3.6	-9.4	12.1	0.0	-461.7
		Viento +X exc.-	-0.2	17.4	0.1	12.0	0.1	0.0	-0.2	4.8	-8.5	12.0	0.1	-457.8
		Viento -X exc.+	0.2	-17.5	-0.0	-12.1	-0.0	0.0	0.2	-3.6	9.4	-12.1	-0.0	461.7
		Viento -X exc.-	0.2	-17.4	-0.1	-12.0	-0.1	-0.0	0.2	-4.8	8.5	-12.0	-0.1	457.8
		Viento +Y exc.+	-5.7	-1.8	51.7	-1.3	33.9	0.2	-5.7	-323.6	-166.4	-1.3	33.9	1972.8
		Viento +Y exc.-	-5.9	-0.6	51.0	-0.4	33.1	0.0	-5.9	-336.8	-176.9	-0.4	33.1	1895.8
		Viento -Y exc.+	5.7	1.8	-51.7	1.3	-33.9	-0.2	5.7	323.6	166.4	1.3	-33.9	-1973
		Viento -Y exc.-	5.9	0.6	-51.0	0.4	-33.1	-0.0	5.9	336.8	176.9	0.4	-33.1	-1896
P25 [64.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1329.4	0.8	-0.2	0.4	0.2	0.0	1329.4	86064	51135	0.4	0.2	-6.4
		Cargas muertas	531.6	0.3	-0.8	0.2	-0.4	0.0	531.6	34412	20445	0.2	-0.4	-33.0
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-3.8	-2.3	0.0	0.0	0.7
		Sobrecarga de uso	624.0	0.2	0.7	0.1	0.5	0.0	624.0	40396	24002	0.1	0.5	30.5
		Viento +X exc.+	-0.7	18.8	0.2	12.9	0.1	-0.0	-0.7	-29.2	-28.3	12.9	0.1	-487.1
		Viento +X exc.-	-0.7	18.7	0.5	12.8	0.3	0.0	-0.7	-28.4	-27.5	12.8	0.3	-472.5
		Viento -X exc.+	0.7	-18.8	-0.2	-12.9	-0.1	0.0	0.7	29.2	28.3	-12.9	-0.1	487.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	0.7	-18.7	-0.5	-12.8	-0.3	-0.0	0.7	28.4	27.5	-12.8	-0.3	472.5
		Viento +Y exc.+	2.6	-0.9	60.4	-0.8	39.5	0.2	2.6	165.5	159.2	-0.8	39.5	2587.9
		Viento +Y exc.-	2.4	0.4	55.5	0.2	36.0	0.0	2.4	158.4	149.3	0.2	36.0	2323.4
		Viento -Y exc.+	-2.6	0.9	-60.4	0.8	-39.5	-0.2	-2.6	-165.5	-159.2	0.8	-39.5	-2588
		Viento -Y exc.-	-2.4	-0.4	-55.5	-0.2	-36.0	-0.0	-2.4	-158.4	-149.3	-0.2	-36.0	-2323
P26 [72.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1225.6	-10.4	-12.3	-6.6	-7.4	0.0	1225.6	89134	47129	-6.6	-7.4	-285.2
		Cargas muertas	482.9	-4.9	-5.8	-3.1	-3.5	0.0	482.9	35123	18570	-3.1	-3.5	-134.5
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-4.1	-2.1	0.0	0.0	0.7
		Sobrecarga de uso	566.8	-3.9	-3.5	-2.4	-2.1	0.0	566.8	41226	21799	-2.4	-2.1	-55.6
		Viento +X exc.+	-1.5	17.2	0.4	11.9	0.2	-0.0	-1.5	-93.3	-58.0	11.9	0.2	-442.6
		Viento +X exc.-	-1.6	17.2	0.8	11.8	0.5	0.0	-1.6	-95.7	-58.8	11.8	0.5	-417.7
		Viento -X exc.+	1.5	-17.2	-0.4	-11.9	-0.2	0.0	1.5	93.3	58.0	-11.9	-0.2	442.6
		Viento -X exc.-	1.6	-17.2	-0.8	-11.8	-0.5	-0.0	1.6	95.7	58.8	-11.8	-0.5	417.7
		Viento +Y exc.+	-6.9	-0.0	59.1	-0.2	39.1	0.2	-6.9	-502.4	-206.5	-0.2	39.1	2854.9
		Viento +Y exc.-	-6.2	1.0	51.0	0.5	33.4	0.0	-6.2	-450.6	-187.7	0.5	33.4	2410.1
		Viento -Y exc.+	6.9	0.0	-59.1	0.2	-39.1	-0.2	6.9	502.4	206.5	0.2	-39.1	-2855
		Viento -Y exc.-	6.2	-1.0	-51.0	-0.5	-33.4	-0.0	6.2	450.6	187.7	-0.5	-33.4	-2410
P27 [80.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1335.9	1.3	0.5	0.8	0.6	0.0	1335.9	107856	51384	0.8	0.6	20.0
		Cargas muertas	537.6	0.2	0.6	0.1	0.5	0.0	537.6	43401	20677	0.1	0.5	37.3
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-5.1	-2.4	0.0	0.0	0.8
		Sobrecarga de uso	632.4	0.1	1.5	0.1	1.1	0.0	632.4	51056	24325	0.1	1.1	85.1
		Viento +X exc.+	0.3	19.3	-0.0	13.1	-0.1	-0.0	0.3	45.9	12.7	13.1	-0.1	-510.1
		Viento +X exc.-	0.4	19.2	0.7	13.1	0.4	0.0	0.4	47.6	14.3	13.1	0.4	-467.2
		Viento -X exc.+	-0.3	-19.3	0.0	-13.1	0.1	0.0	-0.3	-45.9	-12.7	-13.1	0.1	510.1
		Viento -X exc.-	-0.4	-19.2	-0.7	-13.1	-0.4	-0.0	-0.4	-47.6	-14.3	-13.1	-0.4	467.2
		Viento +Y exc.+	3.0	-2.0	68.5	-1.4	45.3	0.2	3.0	244.2	185.8	-1.4	45.3	3708.4
		Viento +Y exc.-	2.5	-0.4	55.6	-0.3	36.3	0.0	2.5	204.9	153.4	-0.3	36.3	2947.3
		Viento -Y exc.+	-3.0	2.0	-68.5	1.4	-45.3	-0.2	-3.0	-244.2	-185.8	1.4	-45.3	-3708
		Viento -Y exc.-	-2.5	0.4	-55.6	0.3	-36.3	-0.0	-2.5	-204.9	-153.4	0.3	-36.3	-2947
P28 [88.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1211.0	-8.7	-15.9	-5.5	-9.6	0.0	1211.0	107449	46563	-5.5	-9.6	-643.4
		Cargas muertas	473.1	-4.4	-7.4	-2.8	-4.6	0.0	473.1	41974	18189	-2.8	-4.6	-296.4
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-5.0	-2.2	0.0	0.0	0.9
		Sobrecarga de uso	554.4	-3.5	-5.3	-2.2	-3.2	0.0	554.4	49190	21318	-2.2	-3.2	-196.6
		Viento +X exc.+	-2.1	17.3	0.1	12.0	-0.0	-0.0	-2.1	-173.1	-82.4	12.0	-0.0	-461.7
		Viento +X exc.-	-2.2	17.3	1.0	11.9	0.6	0.0	-2.2	-181.2	-85.0	11.9	0.6	-406.9
		Viento -X exc.+	2.1	-17.3	-0.1	-12.0	0.0	0.0	2.1	173.1	82.4	-12.0	0.0	461.7
		Viento -X exc.-	2.2	-17.3	-1.0	-11.9	-0.6	-0.0	2.2	181.2	85.0	-11.9	-0.6	406.9
		Viento +Y exc.+	-7.3	0.5	66.0	0.0	44.2	0.2	-7.3	-650.7	-216.2	0.0	44.2	3918.7
		Viento +Y exc.-	-5.6	1.2	50.7	0.7	33.5	0.0	-5.6	-491.4	-162.9	0.7	33.5	2950.3
		Viento -Y exc.+	7.3	-0.5	-66.0	-0.0	-44.2	-0.2	7.3	650.7	216.2	-0.0	-44.2	-3919
		Viento -Y exc.-	5.6	-1.2	-50.7	-0.7	-33.5	-0.0	5.6	491.4	162.9	-0.7	-33.5	-2950
P29 [96.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1338.9	1.4	2.6	0.9	2.0	0.0	1338.9	129521	51502	0.9	2.0	161.4
		Cargas muertas	541.3	1.2	2.2	0.7	1.5	0.0	541.3	52369	20824	0.7	1.5	117.2
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-6.8	-2.7	0.0	0.0	1.0
		Sobrecarga de uso	637.6	1.0	2.4	0.6	1.7	0.0	637.6	61684	24529	0.6	1.7	140.0
		Viento +X exc.+	-0.0	20.7	-0.4	14.0	-0.3	-0.0	-0.0	20.6	-0.4	14.0	-0.3	-570.0
		Viento +X exc.-	0.0	20.6	0.9	14.0	0.6	0.0	0.0	24.3	2.4	14.0	0.6	-483.7
		Viento -X exc.+	0.0	-20.7	0.4	-14.0	0.3	0.0	0.0	-20.6	0.4	-14.0	0.3	570.0
		Viento -X exc.-	-0.0	-20.6	-0.9	-14.0	-0.6	-0.0	-0.0	-24.3	-2.4	-14.0	-0.6	483.7
		Viento +Y exc.+	2.6	-1.2	82.6	-1.0	54.7	0.2	2.6	248.3	181.9	-1.0	54.7	5330.6
		Viento +Y exc.-	2.0	0.2	59.9	0.0	39.4	0.0	2.0	194.1	137.0	0.0	39.4	3806.1
		Viento -Y exc.+	-2.6	1.2	-82.6	1.0	-54.7	-0.2	-2.6	-248.3	-181.9	1.0	-54.7	-5331
		Viento -Y exc.-	-2.0	-0.2	-59.9	-0.0	-39.4	-0.0	-2.0	-194.1	-137.0	-0.0	-39.4	-3806
P30 [104.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1285.0	1.6	-9.3	0.9	-5.4	0.0	1285.0	134591	49419	0.9	-5.4	-598.4
		Cargas muertas	482.6	3.9	-4.9	2.4	-2.9	0.0	482.6	50554	18559	2.4	-2.9	-400.9
		H 1	-0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-4.0	-1.5	-0.0	0.0	1.3
		Sobrecarga de uso	542.8	3.2	-3.7	2.0	-2.1	0.0	542.8	56850	20873	2.0	-2.1	-301.0
		Viento +X exc.+	3.1	17.3	-0.7	11.9	-0.5	-0.0	3.1	344.6	119.5	11.9	-0.5	-514.9
		Viento +X exc.-	2.8	17.2	0.7	11.9	0.4	0.0	2.8	310.9	108.5	11.9	0.4	-414.9
		Viento -X exc.+	-3.1	-17.3	0.7	-11.9	0.5	0.0	-3.1	-344.6	-119.5	-11.9	0.5	514.9
		Viento -X exc.-	-2.8	-17.2	-0.7	-11.9	-0.4	-0.0	-2.8	-310.9	-108.5	-11.9	-0.4	414.9
		Viento +Y exc.+	-5.3	-2.3	77.6	-1.6	52.0	0.2	-5.3	-560.4	-127.4	-1.6	52.0	5506.5
		Viento +Y exc.-	-0.2	-0.8	53.5	-0.5	35.5	0.0	-0.2	-25.6	44.4	-0.5	35.5	3744.0
		Viento -Y exc.+	5.3	2.3	-77.6	1.6	-52.0	-0.2	5.3	560.4	127.4	1.6	-52.0	-5507
		Viento -Y exc.-	0.2	0.8	-53.5	0.5	-35.5	-0.0	0.2	25.6	-44.4	0.5	-35.5	-3744



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P31 [112.738;38.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	1396.0	1.8	4.4	0.7	3.1	0.0	1396.0	157389	53703	0.7	3.1	324.2
		Cargas muertas	548.2	3.9	5.7	2.3	3.7	0.0	548.2	61808	21093	2.3	3.7	325.8
		H 1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-10.4	-3.5	0.0	0.0	0.6
		Sobrecarga de uso	615.3	1.5	3.3	0.8	2.2	0.0	615.3	69372	23672	0.8	2.2	222.2
		Viento +X exc.+	-4.8	18.6	-0.7	12.7	-0.6	-0.0	-4.8	-521.6	-185.0	12.7	-0.6	-552.5
		Viento +X exc.-	-4.8	18.6	1.0	12.7	0.6	0.0	-4.8	-521.1	-183.1	12.7	0.6	-421.1
		Viento -X exc.+	4.8	-18.6	0.7	-12.7	0.6	0.0	4.8	521.6	185.0	-12.7	0.6	552.5
		Viento -X exc.-	4.8	-18.6	-1.0	-12.7	-0.6	-0.0	4.8	521.1	183.1	-12.7	-0.6	421.1
		Viento +Y exc.+	1.1	-1.1	87.1	-0.9	58.1	0.2	1.1	117.9	127.7	-0.9	58.1	6586.0
		Viento +Y exc.-	1.6	0.2	57.1	0.0	37.9	0.0	1.6	178.8	118.1	0.0	37.9	4272.9
		Viento -Y exc.+	-1.1	1.1	-87.1	0.9	-58.1	-0.2	-1.1	-117.9	-127.7	0.9	-58.1	-6586
		Viento -Y exc.-	-1.6	-0.2	-57.1	-0.0	-37.9	-0.0	-1.6	-178.8	-118.1	-0.0	-37.9	-4273
P32 [120.788;38.465;0.0 grados] (Diámetro 50)	17.80/21.05	Peso propio	917.8	27.8	-0.7	21.0	-0.4	0.0	917.8	110885	35302	21.0	-0.4	-853.9
		Cargas muertas	602.1	-10.9	1.8	-5.6	1.1	0.0	602.1	72715	23161	-5.6	1.1	348.3
		H 1	0.2	0.0	-0.0	0.0	-0.0	0.0	0.2	22.6	7.2	0.0	-0.0	-2.0
		Sobrecarga de uso	397.5	9.3	0.0	7.2	0.0	0.0	397.5	48017	15288	7.2	0.0	-273.1
		Viento +X exc.+	16.1	8.6	-0.5	6.5	-0.4	-0.0	16.1	1956.2	619.7	6.5	-0.4	-300.0
		Viento +X exc.-	15.9	8.6	0.8	6.5	0.5	0.0	15.9	1932.9	613.6	6.5	0.5	-187.2
		Viento -X exc.+	-16.1	-8.6	0.5	-6.5	0.4	0.0	-16.1	-1956	-619.7	-6.5	0.4	300.0
		Viento -X exc.-	-15.9	-8.6	-0.8	-6.5	-0.5	-0.0	-15.9	-1933	-613.6	-6.5	-0.5	187.2
		Viento +Y exc.+	-6.9	-0.5	62.1	-0.5	43.2	0.1	-6.9	-832.6	-202.9	-0.5	43.2	5234.4
		Viento +Y exc.-	-3.5	0.0	38.8	-0.1	26.9	0.0	-3.5	-420.3	-95.0	-0.1	26.9	3249.1
		Viento -Y exc.+	6.9	0.5	-62.1	0.5	-43.2	-0.1	6.9	832.6	202.9	0.5	-43.2	-5234
		Viento -Y exc.-	3.5	-0.0	-38.8	0.1	-26.9	0.0	3.5	420.3	95.0	0.1	-26.9	-3249
P33 [0.688;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	931.2	-48.3	1.2	-28.2	0.7	0.0	931.2	592.2	29767	-28.2	0.7	902.9
		Cargas muertas	621.4	6.0	0.6	5.5	0.3	0.0	621.4	433.5	19865	5.5	0.3	-175.5
		H 1	-0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	0.0	-0.3	-0.0	0.0	0.1
		Sobrecarga de uso	410.7	-18.5	0.2	-10.6	0.0	0.0	410.7	264.0	13127	-10.6	0.0	339.5
		Viento +X exc.+	-16.6	13.1	1.4	9.2	1.0	-0.0	-16.6	1.7	-528.7	9.2	1.0	-294.9
		Viento +X exc.-	-17.1	13.2	-0.2	9.3	-0.1	0.0	-17.1	1.4	-545.2	9.3	-0.1	-297.4
		Viento -X exc.+	16.6	-13.1	-1.4	-9.2	-1.0	0.0	16.6	-1.7	528.7	-9.2	-1.0	294.9
		Viento -X exc.-	17.1	-13.2	0.2	-9.3	0.1	-0.0	17.1	-1.4	545.2	-9.3	0.1	297.4
		Viento +Y exc.+	9.9	0.9	27.7	0.6	16.5	0.2	9.9	7.7	342.9	0.6	16.5	-8.9
		Viento +Y exc.-	18.0	-0.7	54.9	-0.3	34.5	0.0	18.0	11.7	629.7	-0.3	34.5	34.6
		Viento -Y exc.+	-9.9	-0.9	-27.7	-0.6	-16.5	-0.2	-9.9	-7.7	-342.9	-0.6	-16.5	8.9
		Viento -Y exc.-	-18.0	0.7	-54.9	0.3	-34.5	-0.0	-18.0	-11.7	-629.7	0.3	-34.5	-34.6
P34 [8.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1350.8	7.1	3.2	4.2	2.0	0.0	1350.8	11810	43181	4.2	2.0	-115.3
		Cargas muertas	504.4	3.2	3.9	1.8	2.5	0.0	504.4	4410.4	16126	1.8	2.5	-34.9
		H 1	-0.1	-0.0	-0.0	-0.0	-0.0	0.0	-0.1	-0.8	-2.8	-0.0	-0.0	0.4
		Sobrecarga de uso	616.3	2.3	1.2	1.3	0.7	0.0	616.3	5387.0	19700	1.3	0.7	-35.1
		Viento +X exc.+	0.9	20.9	1.7	13.9	1.2	-0.0	0.9	28.5	29.4	13.9	1.2	-434.2
		Viento +X exc.-	0.5	21.0	0.2	14.0	0.2	0.0	0.5	25.5	16.7	14.0	0.2	-444.4
		Viento -X exc.+	-0.9	-20.9	-1.7	-13.9	-1.2	0.0	-0.9	-28.5	-29.4	-13.9	-1.2	434.2
		Viento -X exc.-	-0.5	-21.0	-0.2	-14.0	-0.2	-0.0	-0.5	-25.5	-16.7	-14.0	-0.2	444.4
		Viento +Y exc.+	7.5	2.1	34.8	1.4	21.2	0.2	7.5	67.5	274.2	1.4	21.2	142.0
		Viento +Y exc.-	13.5	0.5	60.3	0.3	37.8	0.0	13.5	118.6	492.1	0.3	37.8	319.1
		Viento -Y exc.+	-7.5	-2.1	-34.8	-1.4	-21.2	-0.2	-7.5	-67.5	-274.2	-1.4	-21.2	-142.0
		Viento -Y exc.-	-13.5	-0.5	-60.3	-0.3	-37.8	-0.0	-13.5	-118.6	-492.1	-0.3	-37.8	-319.1
P35 [16.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1313.5	0.8	3.0	0.5	1.9	0.0	1313.5	21986	41988	0.5	1.9	15.3
		Cargas muertas	515.0	1.3	3.2	0.8	2.0	0.0	515.0	8621.3	16465	0.8	2.0	7.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	607.9	0.7	0.5	0.4	0.2	0.0	607.9	10176	19433	0.4	0.2	-10.4
		Viento +X exc.+	-0.3	20.4	1.1	13.6	0.8	-0.0	-0.3	15.1	-9.2	13.6	0.8	-423.6
		Viento +X exc.-	-0.6	20.6	-0.1	13.7	-0.0	0.0	-0.6	10.5	-19.3	13.7	-0.0	-438.8
		Viento -X exc.+	0.3	-20.4	-1.1	-13.6	-0.8	0.0	0.3	-15.1	9.2	-13.6	-0.8	423.6
		Viento -X exc.-	0.6	-20.6	0.1	-13.7	0.0	-0.0	0.6	-10.5	19.3	-13.7	0.0	438.8
		Viento +Y exc.+	9.9	1.6	38.7	1.1	23.9	0.2	9.9	167.0	354.6	1.1	23.9	366.5
		Viento +Y exc.-	14.6	-0.2	59.5	-0.1	37.4	0.0	14.6	244.4	526.5	-0.1	37.4	628.8
		Viento -Y exc.+	-9.9	-1.6	-38.7	-1.1	-23.9	-0.2	-9.9	-167.0	-354.6	-1.1	-23.9	-366.5
		Viento -Y exc.-	-14.6	0.2	-59.5	0.1	-37.4	-0.0	-14.6	-244.4	-526.5	0.1	-37.4	-628.8
P37 [48.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1409.2	-23.6	6.8	-14.4	4.5	0.0	1409.2	68657	45051	-14.4	4.5	682.9
		Cargas muertas	526.8	-0.4	7.0	-0.0	4.6	0.0	526.8	25672	16845	-0.0	4.6	223.6
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	614.5	-4.9	2.5	-2.9	1.6	0.0	614.5	29945	19645	-2.9	1.6	170.7
		Viento +X exc.+	6.6	17.0	0.9	11.4	0.6	-0.0	6.6	340.1	212.8	11.4	0.6	-337.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	6.6	17.0	0.7	11.5	0.5	0.0	6.6	339.3	212.1	11.5	0.5	-345.6
		Viento -X exc.+	-6.6	-17.0	-0.9	-11.4	-0.6	0.0	-6.6	-340.1	-212.8	-11.4	-0.6	337.8
		Viento -X exc.-	-6.6	-17.0	-0.7	-11.5	-0.5	-0.0	-6.6	-339.3	-212.1	-11.5	-0.5	345.6
		Viento +Y exc.+	-1.6	0.7	56.4	0.4	36.1	0.2	-1.6	-79.4	3.9	0.4	36.1	1749.7
		Viento +Y exc.-	-1.5	-0.9	59.7	-0.6	38.1	0.0	-1.5	-73.9	11.8	-0.6	38.1	1877.5
		Viento -Y exc.+	1.6	-0.7	-56.4	-0.4	-36.1	-0.2	1.6	79.4	-3.9	-0.4	-36.1	-1750
		Viento -Y exc.-	1.5	0.9	-59.7	0.6	-38.1	-0.0	1.5	73.9	-11.8	0.6	-38.1	-1878
P38 [56.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1296.6	5.5	5.4	3.2	3.5	0.0	1296.6	73570	41450	3.2	3.5	95.3
		Cargas muertas	485.3	0.8	5.1	0.3	3.2	0.0	485.3	27535	15517	0.3	3.2	172.9
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	587.0	0.8	1.9	0.4	1.2	0.0	587.0	33304	18764	0.4	1.2	52.3
		Viento +X exc.+	-1.8	20.2	0.8	13.5	0.5	-0.0	-1.8	-84.1	-58.0	13.5	0.5	-404.5
		Viento +X exc.-	-1.9	20.3	0.8	13.5	0.5	0.0	-1.9	-87.0	-59.6	13.5	0.5	-404.0
		Viento -X exc.+	1.8	-20.2	-0.8	-13.5	-0.5	0.0	1.8	84.1	58.0	-13.5	-0.5	404.5
		Viento -X exc.-	1.9	-20.3	-0.8	-13.5	-0.5	-0.0	1.9	87.0	59.6	-13.5	-0.5	404.0
		Viento +Y exc.+	3.2	2.1	60.4	1.4	39.0	0.2	3.2	185.7	163.8	1.4	39.0	2168.0
		Viento +Y exc.-	3.7	0.4	59.4	0.3	38.1	0.0	3.7	211.7	178.4	0.3	38.1	2151.1
		Viento -Y exc.+	-3.2	-2.1	-60.4	-1.4	-39.0	-0.2	-3.2	-185.7	-163.8	-1.4	-39.0	-2168
		Viento -Y exc.-	-3.7	-0.4	-59.4	-0.3	-38.1	-0.0	-3.7	-211.7	-178.4	-0.3	-38.1	-2151
P39 [64.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1308.8	0.5	6.7	0.3	4.3	0.0	1308.8	84729	41842	0.3	4.3	270.4
		Cargas muertas	511.7	0.5	6.1	0.3	3.9	0.0	511.7	33124	16361	0.3	3.9	242.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	610.7	0.2	2.3	0.1	1.4	0.0	610.7	39537	19524	0.1	1.4	85.8
		Viento +X exc.+	-0.5	19.7	0.2	13.1	0.1	-0.0	-0.5	-14.5	-16.6	13.1	0.1	-412.3
		Viento +X exc.-	-0.5	19.8	0.5	13.2	0.3	0.0	-0.5	-14.7	-16.5	13.2	0.3	-401.9
		Viento -X exc.+	0.5	-19.7	-0.2	-13.1	-0.1	0.0	0.5	14.5	16.6	-13.1	-0.1	412.3
		Viento -X exc.-	0.5	-19.8	-0.5	-13.2	-0.3	-0.0	0.5	14.7	16.5	-13.2	-0.3	401.9
		Viento +Y exc.+	3.0	1.9	60.0	1.2	39.0	0.2	3.0	197.2	156.4	1.2	39.0	2487.6
		Viento +Y exc.-	3.1	0.2	55.1	0.1	35.5	0.0	3.1	199.5	153.5	0.1	35.5	2296.0
		Viento -Y exc.+	-3.0	-1.9	-60.0	-1.2	-39.0	-0.2	-3.0	-197.2	-156.4	-1.2	-39.0	-2488
		Viento -Y exc.-	-3.1	-0.2	-55.1	-0.1	-35.5	-0.0	-3.1	-199.5	-153.5	-0.1	-35.5	-2296
P40 [72.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1330.1	-0.6	7.3	-0.4	4.7	0.0	1330.1	96745	42522	-0.4	4.7	357.6
		Cargas muertas	515.4	-0.1	6.5	-0.1	4.1	0.0	515.4	37491	16482	-0.1	4.1	305.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	615.4	-0.4	2.5	-0.3	1.5	0.0	615.4	44766	19675	-0.3	1.5	120.0
		Viento +X exc.+	0.5	19.7	0.0	13.2	-0.0	-0.0	0.5	56.2	16.0	13.2	-0.0	-423.7
		Viento +X exc.-	0.5	19.8	0.5	13.3	0.3	0.0	0.5	56.8	16.8	13.3	0.3	-400.8
		Viento -X exc.+	-0.5	-19.7	-0.0	-13.2	0.0	0.0	-0.5	-56.2	-16.0	-13.2	0.0	423.7
		Viento -X exc.-	-0.5	-19.8	-0.5	-13.3	-0.3	-0.0	-0.5	-56.8	-16.8	-13.3	-0.3	400.8
		Viento +Y exc.+	-1.0	1.9	63.7	1.3	41.7	0.2	-1.0	-69.9	32.1	1.3	41.7	2991.2
		Viento +Y exc.-	-1.1	0.2	54.8	0.1	35.5	0.0	-1.1	-78.0	20.5	0.1	35.5	2580.6
		Viento -Y exc.+	1.0	-1.9	-63.7	-1.3	-41.7	-0.2	1.0	69.9	-32.1	-1.3	-41.7	-2991
		Viento -Y exc.-	1.1	-0.2	-54.8	-0.1	-35.5	-0.0	1.1	78.0	-20.5	-0.1	-35.5	-2581
P41 [80.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1290.2	0.7	7.1	0.4	4.6	0.0	1290.2	104172	41250	0.4	4.6	361.9
		Cargas muertas	505.2	0.8	6.3	0.5	4.0	0.0	505.2	40794	16157	0.5	4.0	309.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.3
		Sobrecarga de uso	607.4	0.3	2.1	0.2	1.3	0.0	607.4	49043	19418	0.2	1.3	95.7
		Viento +X exc.+	0.1	19.9	-0.2	13.3	-0.2	-0.0	0.1	30.4	4.0	13.3	-0.2	-436.6
		Viento +X exc.-	0.2	20.0	0.6	13.3	0.3	0.0	0.2	33.0	5.7	13.3	0.3	-398.5
		Viento -X exc.+	-0.1	-19.9	0.2	-13.3	0.2	0.0	-0.1	-30.4	-4.0	-13.3	0.2	436.6
		Viento -X exc.-	-0.2	-20.0	-0.6	-13.3	-0.3	-0.0	-0.2	-33.0	-5.7	-13.3	-0.3	398.5
		Viento +Y exc.+	3.4	1.5	68.0	1.0	44.7	0.2	3.4	273.1	175.5	1.0	44.7	3574.4
		Viento +Y exc.-	3.0	-0.2	55.1	-0.1	35.8	0.0	3.0	245.5	152.3	-0.1	35.8	2896.1
		Viento -Y exc.+	-3.4	-1.5	-68.0	-1.0	-44.7	-0.2	-3.4	-273.1	-175.5	-1.0	-44.7	-3574
		Viento -Y exc.-	-3.0	0.2	-55.1	0.1	-35.8	-0.0	-3.0	-245.5	-152.3	0.1	-35.8	-2896
P42 [88.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1299.4	1.6	5.7	1.0	3.8	0.0	1299.4	115307	41541	1.0	3.8	304.6
		Cargas muertas	493.6	0.5	6.8	0.3	4.3	0.0	493.6	43805	15786	0.3	4.3	374.2
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	593.3	0.2	2.1	0.1	1.3	0.0	593.3	52645	18966	0.1	1.3	111.5
		Viento +X exc.+	-0.7	20.0	-0.5	13.4	-0.4	-0.0	-0.7	-38.7	-21.7	13.4	-0.4	-462.1
		Viento +X exc.-	-0.6	20.1	0.5	13.4	0.3	0.0	-0.6	-32.9	-18.6	13.4	0.3	-402.1
		Viento -X exc.+	0.7	-20.0	0.5	-13.4	0.4	0.0	0.7	38.7	21.7	-13.4	0.4	462.1
		Viento -X exc.-	0.6	-20.1	-0.5	-13.4	-0.3	-0.0	0.6	32.9	18.6	-13.4	-0.3	402.1
		Viento +Y exc.+	2.9	1.7	77.8	1.1	51.1	0.2	2.9	256.9	169.8	1.1	51.1	4502.3
		Viento +Y exc.-	1.8	-0.0	59.5	0.0	38.8	0.0	1.8	158.7	116.7	0.0	38.8	3440.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-2.9	-1.7	-77.8	-1.1	-51.1	-0.2	-2.9	-256.9	-169.8	-1.1	-51.1	-4502
		Viento -Y exc.-	-1.8	0.0	-59.5	-0.0	-38.8	-0.0	-1.8	-158.7	-116.7	-0.0	-38.8	-3441
P43 [96.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1300.7	2.1	4.5	1.3	3.1	0.0	1300.7	125834	41583	1.3	3.1	253.0
		Cargas muertas	510.4	1.5	6.2	0.9	3.9	0.0	510.4	49375	16321	0.9	3.9	353.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	613.6	1.1	1.2	0.7	0.7	0.0	613.6	59362	19616	0.7	0.7	50.6
		Viento +X exc.+	0.2	20.8	-0.5	13.8	-0.4	-0.0	0.2	37.8	5.1	13.8	-0.4	-482.9
		Viento +X exc.-	0.2	20.9	0.7	13.9	0.4	0.0	0.2	44.0	8.4	13.9	0.4	-402.0
		Viento -X exc.+	-0.2	-20.8	0.5	-13.8	0.4	0.0	-0.2	-37.8	-5.1	-13.8	0.4	482.9
		Viento -X exc.-	-0.2	-20.9	-0.7	-13.9	-0.4	-0.0	-0.2	-44.0	-8.4	-13.9	-0.4	402.0
		Viento +Y exc.+	4.5	1.4	81.6	0.9	53.8	0.2	4.5	440.3	226.6	0.9	53.8	5171.2
		Viento +Y exc.-	3.5	-0.3	59.1	-0.1	38.7	0.0	3.5	337.0	170.6	-0.1	38.7	3742.6
		Viento -Y exc.+	-4.5	-1.4	-81.6	-0.9	-53.8	-0.2	-4.5	-440.3	-226.6	-0.9	-53.8	-5171
		Viento -Y exc.-	-3.5	0.3	-59.1	0.1	-38.7	-0.0	-3.5	-337.0	-170.6	0.1	-38.7	-3743
P36 [24.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1265.5	2.0	5.6	1.2	3.8	0.0	1265.5	31308	40457	1.2	3.8	53.8
		Cargas muertas	494.2	-3.8	7.5	-2.4	4.9	0.0	494.2	12222	15805	-2.4	4.9	199.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.1
		Sobrecarga de uso	569.1	0.3	2.7	0.1	1.7	0.0	569.1	14079	18195	0.1	1.7	37.7
		Viento +X exc.+	-0.6	20.8	0.7	13.8	0.6	-0.0	-0.6	5.3	-19.3	13.8	0.6	-427.9
		Viento +X exc.-	-0.7	20.9	-0.3	13.9	-0.1	0.0	-0.7	2.7	-23.8	13.9	-0.1	-445.7
		Viento -X exc.+	0.6	-20.8	-0.7	-13.8	-0.6	0.0	0.6	-5.3	19.3	-13.8	-0.6	427.9
		Viento -X exc.-	0.7	-20.9	0.3	-13.9	0.1	-0.0	0.7	-2.7	23.8	-13.9	0.1	445.7
		Viento +Y exc.+	-1.3	2.5	45.2	1.7	28.3	0.2	-1.3	-30.5	2.6	1.7	28.3	645.1
		Viento +Y exc.-	0.5	0.9	62.5	0.7	39.4	0.0	0.5	12.5	77.5	0.7	39.4	952.0
		Viento -Y exc.+	1.3	-2.5	-45.2	-1.7	-28.3	-0.2	1.3	30.5	-2.6	-1.7	-28.3	-645.1
		Viento -Y exc.-	-0.5	-0.9	-62.5	-0.7	-39.4	-0.0	-0.5	-12.5	-77.5	-0.7	-39.4	-952.0
P44 [104.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1381.3	-6.4	-12.8	-4.1	-7.9	0.0	1381.3	144669	44140	-4.1	-7.9	-698.0
		Cargas muertas	518.4	-1.4	2.2	-0.9	1.4	0.0	518.4	54290	16571	-0.9	1.4	174.7
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-0.4
		Sobrecarga de uso	601.2	-1.0	-1.9	-0.7	-1.2	0.0	601.2	62963	19214	-0.7	-1.2	-103.6
		Viento +X exc.+	-0.9	20.9	-0.4	13.9	-0.3	-0.0	-0.9	-70.3	-28.2	13.9	-0.3	-480.1
		Viento +X exc.-	-0.7	21.0	1.2	14.0	0.7	0.0	-0.7	-47.9	-19.8	14.0	0.7	-371.8
		Viento -X exc.+	0.9	-20.9	0.4	-13.9	0.3	0.0	0.9	70.3	28.2	-13.9	0.3	480.1
		Viento -X exc.-	0.7	-21.0	-1.2	-14.0	-0.7	-0.0	0.7	-47.9	19.8	-14.0	-0.7	371.8
		Viento +Y exc.+	-3.2	1.8	88.9	1.2	58.7	0.2	-3.2	-332.0	-13.0	1.2	58.7	6105.4
		Viento +Y exc.-	-6.3	0.0	61.2	0.1	40.1	0.0	-6.3	-655.8	-139.0	0.1	40.1	4197.2
		Viento -Y exc.+	3.2	-1.8	-88.9	-1.2	-58.7	-0.2	3.2	332.0	13.0	-1.2	-58.7	-6105
		Viento -Y exc.-	6.3	-0.0	-61.2	-0.1	-40.1	-0.0	6.3	655.8	139.0	-0.1	-40.1	-4197
P45 [112.738;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	1391.3	4.5	-3.1	2.9	-1.8	0.0	1391.3	156856	44469	2.9	-1.8	-297.4
		Cargas muertas	521.1	3.4	2.5	2.2	1.6	0.0	521.1	58753	16660	2.2	1.6	110.5
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-13.2	-3.8	0.0	-0.0	-1.3
		Sobrecarga de uso	622.4	1.8	-1.2	1.2	-0.8	0.0	622.4	70167	19893	1.2	-0.8	-124.2
		Viento +X exc.+	-1.2	20.8	-0.7	13.8	-0.6	-0.0	-1.2	-115.7	-39.4	13.8	-0.6	-505.6
		Viento +X exc.-	-1.2	20.9	1.0	13.9	0.6	0.0	-1.2	-113.5	-37.1	13.9	0.6	-377.4
		Viento -X exc.+	1.2	-20.8	0.7	-13.8	0.6	0.0	1.2	115.7	39.4	-13.8	0.6	505.6
		Viento -X exc.-	1.2	-20.9	-1.0	-13.9	-0.6	-0.0	1.2	113.5	37.1	-13.9	-0.6	377.4
		Viento +Y exc.+	-1.7	2.4	88.3	1.6	58.6	0.2	-1.7	-186.9	34.7	1.6	58.6	6556.2
		Viento +Y exc.-	-2.7	0.4	57.9	0.3	38.2	0.0	-2.7	-298.5	-26.8	0.3	38.2	4297.6
		Viento -Y exc.+	1.7	-2.4	-88.3	-1.6	-58.6	-0.2	1.7	186.9	-34.7	-1.6	-58.6	-6556
		Viento -Y exc.-	2.7	-0.4	-57.9	-0.3	-38.2	-0.0	2.7	-298.5	26.8	-0.3	-38.2	-4298
P46 [120.788;31.965;0.0 grados] (50x50)	17.80/21.05	Peso propio	918.7	54.8	4.8	32.5	3.2	0.0	918.7	111018	29370	32.5	3.2	-650.2
		Cargas muertas	600.1	-4.2	6.8	-4.3	4.3	0.0	600.1	72484	19190	-4.3	4.3	656.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.4	0.4	0.0	-0.0	-0.8
		Sobrecarga de uso	399.9	20.1	2.2	11.7	1.4	0.0	399.9	48327	12786	11.7	1.4	-204.9
		Viento +X exc.+	16.4	12.9	-0.9	9.2	-0.7	-0.0	16.4	1994.1	523.4	9.2	-0.7	-378.0
		Viento +X exc.-	16.6	13.0	1.0	9.2	0.6	0.0	16.6	2021.1	532.4	9.2	0.6	-226.4
		Viento -X exc.+	-16.4	-12.9	0.9	-9.2	0.7	0.0	-16.4	-1994	-523.4	-9.2	0.7	378.0
		Viento -X exc.-	-16.6	-13.0	-1.0	-9.2	-0.6	-0.0	-16.6	-2021	-532.4	-9.2	-0.6	226.4
		Viento +Y exc.+	8.5	1.5	88.7	1.0	59.1	0.2	8.5	1030.9	361.1	1.0	59.1	7108.5
		Viento +Y exc.-	4.5	0.1	55.5	0.1	36.8	0.0	4.5	547.0	200.2	0.1	36.8	4442.2
		Viento -Y exc.+	-8.5	-1.5	-88.7	-1.0	-59.1	-0.2	-8.5	-1031	-361.1	-1.0	-59.1	-7108
		Viento -Y exc.-	-4.5	-0.1	-55.5	-0.1	-36.8	-0.0	-4.5	-547.0	-200.2	-0.1	-36.8	-4442
P49 [0.688;25.465;0.0 grados] (50x50)	17.80/20.95	Peso propio	641.8	-27.2	-17.9	-19.8	-12.5	0.0	641.8	414.3	16325	-19.8	-12.5	495.8
		Cargas muertas	632.8	-1.2	0.3	-3.2	-0.2	0.0	632.8	434.1	16114	-3.2	-0.2	82.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.1	0.0	-0.0	-0.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	269.8	-8.8	-7.1	-6.6	-4.8	0.0	269.8	176.8	6864.6	-6.6	-4.8	164.9
		Viento +X exc.+	-19.3	11.8	0.0	8.8	0.2	-0.0	-19.3	-1.4	-491.5	8.8	0.2	-225.2
		Viento +X exc.-	-18.0	12.1	-0.8	9.0	-0.4	0.0	-18.0	-0.3	-459.9	9.0	-0.4	-229.4
		Viento -X exc.+	19.3	-11.8	-0.0	-8.8	-0.2	0.0	19.3	1.4	491.5	-8.8	-0.2	225.2
		Viento -X exc.-	18.0	-12.1	0.8	-9.0	0.4	-0.0	18.0	0.3	459.9	-9.0	0.4	229.4
		Viento +Y exc.+	-38.9	2.6	16.7	2.2	9.5	0.2	-38.9	-24.2	-974.5	2.2	9.5	-49.6
		Viento +Y exc.-	-60.8	-1.3	30.9	-0.4	19.7	0.0	-60.8	-43.1	-1517	-0.4	19.7	23.0
		Viento -Y exc.+	38.9	-2.6	-16.7	-2.2	-9.5	-0.2	38.9	24.2	974.5	-2.2	-9.5	49.6
		Viento -Y exc.-	60.8	1.3	-30.9	0.4	-19.7	-0.0	60.8	43.1	1516.8	0.4	-19.7	-23.0
P50 [8.738;25.465;0.0 grados] (50x50)	17.80/20.95	Peso propio	928.4	3.5	-26.5	2.2	-18.5	0.0	928.4	8115.5	23614	2.2	-18.5	-217.2
		Cargas muertas	664.4	1.4	13.8	1.0	8.5	0.0	664.4	5806.9	16933	1.0	8.5	49.2
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.2	0.6	-0.0	-0.0	0.4
		Sobrecarga de uso	406.4	1.1	-11.1	0.6	-7.6	0.0	406.4	3552.3	10338	0.6	-7.6	-82.3
		Viento +X exc.+	-0.7	25.9	0.4	17.1	0.4	-0.0	-0.7	19.3	-18.5	17.1	0.4	-432.4
		Viento +X exc.-	0.8	26.2	-0.5	17.4	-0.3	0.0	0.8	33.3	20.1	17.4	-0.3	-444.5
		Viento -X exc.+	0.7	-25.9	-0.4	-17.1	-0.4	0.0	0.7	-19.3	18.5	-17.1	-0.4	432.4
		Viento -X exc.-	-0.8	-26.2	0.5	-17.4	0.3	-0.0	-0.8	-33.3	-20.1	-17.4	0.3	444.5
		Viento +Y exc.+	-46.7	6.4	23.9	4.3	14.7	0.2	-46.7	-401.9	-1166	4.3	14.7	18.8
		Viento +Y exc.-	-73.5	-0.3	40.5	-0.1	26.0	0.0	-73.5	-642.9	-1832	-0.1	26.0	229.0
P51 [16.738;25.465;0.0 grados] (50x50)	17.80/20.95	Viento -Y exc.+	46.7	-6.4	-23.9	-4.3	-14.7	-0.2	46.7	401.9	1166.0	-4.3	-14.7	-18.8
		Viento -Y exc.-	73.5	0.3	-40.5	0.1	-26.0	-0.0	73.5	642.9	1832.2	0.1	-26.0	-229.0
		Peso propio	891.0	1.9	-24.8	1.5	-17.4	0.0	891.0	14915	22663	1.5	-17.4	-329.2
		Cargas muertas	653.4	1.3	14.6	1.1	8.9	0.0	653.4	10937	16653	1.1	8.9	119.7
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0
		Sobrecarga de uso	386.3	1.1	-11.1	0.8	-7.6	0.0	386.3	6466.8	9825.9	0.8	-7.6	-147.3
		Viento +X exc.+	-2.1	25.1	0.6	16.8	0.5	-0.0	-2.1	-10.5	-53.6	16.8	0.5	-418.8
		Viento +X exc.-	-0.8	25.5	-0.2	17.0	-0.1	0.0	-0.8	11.4	-21.6	17.0	-0.1	-434.0
		Viento -X exc.+	2.1	-25.1	-0.6	-16.8	-0.5	0.0	2.1	10.5	53.6	-16.8	-0.5	418.8
P52 [24.738;25.465;0.0 grados] (50x50)	17.80/20.95	Viento -X exc.-	0.8	-25.5	0.2	-17.0	0.1	-0.0	0.8	-11.4	21.6	-17.0	0.1	434.0
		Viento +Y exc.+	-50.2	6.3	26.5	4.3	16.7	0.2	-50.2	-834.7	-1253	4.3	16.7	170.2
		Viento +Y exc.-	-72.4	-0.2	40.0	0.0	26.0	0.0	-72.4	-1212	-1804	0.0	26.0	433.4
		Viento -Y exc.+	50.2	-6.3	-26.5	-4.3	-16.7	-0.2	50.2	834.7	1253.1	-4.3	-16.7	-170.2
		Viento -Y exc.-	72.4	0.2	-40.0	-0.0	-26.0	-0.0	72.4	1212.4	1804.3	-0.0	-26.0	-433.4
		Peso propio	1067.5	-31.7	-19.8	-23.0	-14.2	0.0	1067.5	26375	27163	-23.0	-14.2	234.6
		Cargas muertas	818.2	-29.0	19.8	-21.6	12.0	0.0	818.2	20211	20855	-21.6	12.0	848.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.6	0.6	0.0	-0.0	-0.1
		Sobrecarga de uso	461.3	-18.8	-8.0	-13.4	-5.6	0.0	461.3	11393	11739	-13.4	-5.6	202.5
P55 [48.738;25.465;0.0 grados] (50x50)	17.80/21.05	Viento +X exc.+	1.7	28.0	-0.2	18.2	-0.0	-0.0	1.7	69.6	42.6	18.2	-0.0	-464.4
		Viento +X exc.-	2.9	28.4	-0.8	18.5	-0.4	0.0	2.9	100.5	73.4	18.5	-0.4	-480.3
		Viento -X exc.+	-1.7	-28.0	0.2	-18.2	0.0	0.0	-1.7	-69.6	-42.6	-18.2	0.0	464.4
		Viento -X exc.-	-2.9	-28.4	0.8	-18.5	0.4	-0.0	-2.9	-100.5	-73.4	-18.5	0.4	480.3
		Viento +Y exc.+	-61.8	9.4	26.4	6.3	17.0	0.2	-61.8	-1520	-1548	6.3	17.0	259.4
		Viento +Y exc.-	-83.0	2.9	36.6	2.1	23.9	0.0	-83.0	-2051	-2078	2.1	23.9	536.1
		Viento -Y exc.+	61.8	-9.4	-26.4	-6.3	-17.0	-0.2	61.8	1519.8	1547.9	-6.3	-17.0	-259.4
		Viento -Y exc.-	83.0	-2.9	-36.6	-2.1	-23.9	-0.0	83.0	2051.1	2077.8	-2.1	-23.9	-536.1
		Peso propio	1169.6	5.4	-18.3	6.6	-12.5	0.0	1169.6	57009	29765	6.6	-12.5	-775.4
P56 [56.738;25.465;0.0 grados] (50x50)	17.80/21.05	Cargas muertas	829.9	12.6	9.7	11.2	5.4	0.0	829.9	40462	21144	11.2	5.4	-21.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.4	0.0	-0.0	-0.1
		Sobrecarga de uso	463.1	8.5	-7.8	6.8	-5.1	0.0	463.1	22579	11785	6.8	-5.1	-419.5
		Viento +X exc.+	3.6	14.4	1.0	9.7	0.6	-0.0	3.6	191.3	93.5	9.7	0.6	-217.1
		Viento +X exc.-	4.0	14.6	1.0	9.8	0.6	0.0	4.0	211.0	103.6	9.8	0.6	-223.3
		Viento -X exc.+	-3.6	-14.4	-1.0	-9.7	-0.6	0.0	-3.6	-191.3	-93.5	-9.7	-0.6	217.1
		Viento -X exc.-	-4.0	-14.6	-1.0	-9.8	-0.6	-0.0	-4.0	-211.0	-103.6	-9.8	-0.6	223.3
		Viento +Y exc.+	-66.8	3.5	27.0	2.3	17.6	0.2	-66.8	-3251	-1673	2.3	17.6	801.4
		Viento +Y exc.-	-73.5	-0.6	28.4	-0.4	18.4	0.0	-73.5	-3582	-1843	-0.4	18.4	905.5
		Viento -Y exc.+	66.8	-3.5	-27.0	-2.3	-17.6	-0.2	66.8	3251.0	1673.5	-2.3	-17.6	-801.4
P56 [56.738;25.465;0.0 grados] (50x50)	17.80/21.05	Viento -Y exc.-	73.5	0.6	-28.4	0.4	-18.4	-0.0	73.5	3581.8	1842.7	0.4	-18.4	-905.5
		Peso propio	874.6	-2.6	-31.3	-1.7	-20.7	0.0	874.6	49620	22240	-1.7	-20.7	-1132
		Cargas muertas	645.2	-4.0	0.8	-2.7	0.5	0.0	645.2	36605	16432	-2.7	0.5	96.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.4	0.0	-0.0	-0.2
		Sobrecarga de uso	373.0	-2.3	-12.3	-1.5	-7.9	0.0	373.0	21162	9486.4	-1.5	-7.9	-412.7
		Viento +X exc.+	-2.8	13.3	0.9	9.3	0.6	-0.0	-2.8	-147.0	-71.0	9.3	0.6	-206.3
		Viento +X exc.-	-2.8	13.5	0.9	9.5	0.6	0.0	-2.8	-145.9	-70.6	9.5	0.6	-208.3
		Viento -X exc.+	2.8	-13.3	-0.9	-9.3	-0.6	0.0	2.8	147.0	71.0	-9.3	-0.6	206.3
		Viento -X exc.-	2.8	-13.5	-0.9	-9.5	-0.6	-0.0	2.8	145.9	70.6	-9.5	-0.6	208.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-58.8	4.9	32.0	3.4	21.6	0.2	-58.8	-3331	-1465	3.4	21.6	1138.6
		Viento +Y exc.-	-58.9	1.5	31.7	1.1	21.1	0.0	-58.9	-3339	-1467	1.1	21.1	1167.3
		Viento -Y exc.+	58.8	-4.9	-32.0	-3.4	-21.6	-0.2	58.8	3331.2	1465.3	-3.4	-21.6	-1139
		Viento -Y exc.-	58.9	-1.5	-31.7	-1.1	-21.1	-0.0	58.9	3338.5	1467.3	-1.1	-21.1	-1167
P57 [64.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	875.9	0.0	-24.9	0.0	-16.8	0.0	875.9	56706	22281	0.0	-16.8	-1087
		Cargas muertas	670.8	0.5	3.6	0.3	2.2	0.0	670.8	43428	17086	0.3	2.2	134.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.9	0.4	0.0	-0.0	-0.2
		Sobrecarga de uso	386.2	0.4	-10.7	0.2	-7.0	0.0	386.2	25003	9824.1	0.2	-7.0	-458.6
		Viento +X exc.+	0.0	12.1	-0.1	8.6	-0.0	-0.0	0.0	14.5	0.9	8.6	-0.0	-222.2
		Viento +X exc.-	-0.1	12.3	0.1	8.8	0.1	0.0	-0.1	4.7	-3.0	8.8	0.1	-219.0
		Viento -X exc.+	-0.0	-12.1	0.1	-8.6	0.0	0.0	-0.0	-14.5	-0.9	-8.6	0.0	222.2
		Viento -X exc.-	0.1	-12.3	-0.1	-8.8	-0.1	-0.0	0.1	-4.7	3.0	-8.8	-0.1	219.0
		Viento +Y exc.+	-58.4	2.7	30.3	2.1	21.0	0.2	-58.4	-3778	-1457	2.1	21.0	1306.5
		Viento +Y exc.-	-55.5	-0.4	28.3	-0.1	19.2	0.0	-55.5	-3595	-1386	-0.1	19.2	1245.5
		Viento -Y exc.+	58.4	-2.7	-30.3	-2.1	-21.0	-0.2	58.4	3778.2	1457.0	-2.1	-21.0	-1307
		Viento -Y exc.-	55.5	0.4	-28.3	0.1	-19.2	-0.0	55.5	3595.4	1385.8	0.1	-19.2	-1246
P58 [72.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	879.9	0.8	-25.7	0.5	-17.3	0.0	879.9	63999	22379	0.5	-17.3	-1269
		Cargas muertas	670.3	0.8	3.5	0.4	2.1	0.0	670.3	48760	17074	0.4	2.1	142.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.0	0.4	0.0	-0.0	-0.2
		Sobrecarga de uso	388.0	0.2	-11.0	0.1	-7.2	0.0	388.0	28224	9869.7	0.1	-7.2	-523.9
		Viento +X exc.+	0.1	11.9	0.1	8.5	0.0	-0.0	0.1	17.7	2.1	8.5	0.0	-214.1
		Viento +X exc.-	-0.3	12.1	0.3	8.7	0.2	0.0	-0.3	-8.9	-7.0	8.7	0.2	-204.1
		Viento -X exc.+	-0.1	-11.9	-0.1	-8.5	-0.0	0.0	-0.1	-17.7	-2.1	-8.5	-0.0	214.1
		Viento -X exc.-	0.3	-12.1	-0.3	-8.7	-0.2	-0.0	0.3	8.9	7.0	-8.7	-0.2	204.1
		Viento +Y exc.+	-61.1	2.9	31.9	2.2	22.4	0.2	-61.1	-4444	-1525	2.2	22.4	1574.8
		Viento +Y exc.-	-54.6	-0.2	28.0	0.1	19.2	0.0	-54.6	-3971	-1362	0.1	19.2	1394.9
		Viento -Y exc.+	61.1	-2.9	-31.9	-2.2	-22.4	-0.2	61.1	4443.8	1524.8	-2.2	-22.4	-1575
		Viento -Y exc.-	54.6	0.2	-28.0	-0.1	-19.2	-0.0	54.6	3971.3	1362.3	-0.1	-19.2	-1395
P59 [80.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	890.2	0.5	-28.2	0.3	-18.7	0.0	890.2	71876	22641	0.3	-18.7	-1517
		Cargas muertas	672.8	0.8	3.0	0.5	1.8	0.0	672.8	54325	17137	0.5	1.8	136.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.2	0.4	0.0	-0.0	-0.2
		Sobrecarga de uso	389.4	0.2	-11.5	0.1	-7.5	0.0	389.4	31443	9905.5	0.1	-7.5	-606.0
		Viento +X exc.+	-0.4	12.1	0.3	8.7	0.1	-0.0	-0.4	-20.2	-9.9	8.7	0.1	-210.0
		Viento +X exc.-	-1.0	12.3	0.7	8.8	0.4	0.0	-1.0	-66.5	-24.2	8.8	0.4	-191.9
		Viento -X exc.+	0.4	-12.1	-0.3	-8.7	-0.1	0.0	0.4	20.2	9.9	-8.7	-0.1	210.0
		Viento -X exc.-	1.0	-12.3	-0.7	-8.8	-0.4	-0.0	1.0	66.5	24.2	-8.8	-0.4	191.9
		Viento +Y exc.+	-63.6	3.3	33.8	2.4	24.0	0.2	-63.6	-5135	-1587	2.4	24.0	1873.5
		Viento +Y exc.-	-53.5	0.1	27.9	0.2	19.3	0.0	-53.5	-4316	-1333	0.2	19.3	1551.3
		Viento -Y exc.+	63.6	-3.3	-33.8	-2.4	-24.0	-0.2	63.6	5134.7	1586.7	-2.4	-24.0	-1873
		Viento -Y exc.-	53.5	-0.1	-27.9	-0.2	-19.3	-0.0	53.5	4316.1	1333.5	-0.2	-19.3	-1551
P60 [88.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	910.4	3.5	-34.7	2.1	-22.6	0.0	910.4	80791	23149	2.1	-22.6	-2057
		Cargas muertas	676.0	2.1	0.0	1.3	0.1	0.0	676.0	59987	17214	1.3	0.1	-23.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.3	0.4	0.0	-0.0	-0.2
		Sobrecarga de uso	391.8	1.6	-13.6	0.9	-8.7	0.0	391.8	34766	9962.8	0.9	-8.7	-795.1
		Viento +X exc.+	0.5	13.5	-0.5	9.4	-0.4	-0.0	0.5	62.3	13.4	9.4	-0.4	-274.4
		Viento +X exc.-	-0.3	13.7	-0.1	9.5	-0.0	0.0	-0.3	-11.0	-7.1	9.5	-0.0	-244.2
		Viento -X exc.+	-0.5	-13.5	0.5	-9.4	0.4	0.0	-0.5	-62.3	-13.4	-9.4	0.4	274.4
		Viento -X exc.-	0.3	-13.7	0.1	-9.5	0.0	-0.0	0.3	11.0	7.1	-9.5	0.0	244.2
		Viento +Y exc.+	-71.0	1.1	39.7	1.1	27.8	0.2	-71.0	-6297	-1768	1.1	27.8	2441.6
		Viento +Y exc.-	-56.4	-1.8	30.9	-0.9	21.2	0.0	-56.4	-5009	-1406	-0.9	21.2	1906.1
		Viento -Y exc.+	71.0	-1.1	-39.7	-1.1	-27.8	-0.2	71.0	6296.8	1767.6	-1.1	-27.8	-2442
		Viento -Y exc.-	56.4	1.8	-30.9	0.9	-21.2	-0.0	56.4	5009.3	1406.1	0.9	-21.2	-1906
P61 [96.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	898.1	3.5	-31.6	2.1	-20.2	0.0	898.1	86882	22838	2.1	-20.2	-2004
		Cargas muertas	676.2	1.6	2.1	1.0	1.0	0.0	676.2	65414	17221	1.0	1.0	68.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.8	0.5	0.0	-0.0	-0.2
		Sobrecarga de uso	393.7	1.2	-13.1	0.7	-8.2	0.0	393.7	38087	10012	0.7	-8.2	-807.7
		Viento +X exc.+	1.8	13.6	-0.3	9.3	-0.3	-0.0	1.8	184.9	44.8	9.3	-0.3	-265.8
		Viento +X exc.-	0.7	13.7	0.3	9.4	0.2	0.0	0.7	83.4	18.6	9.4	0.2	-224.5
		Viento -X exc.+	-1.8	-13.6	0.3	-9.3	0.3	0.0	-1.8	-184.9	-44.8	-9.3	0.3	265.8
		Viento -X exc.-	-0.7	-13.7	-0.3	-9.4	-0.2	-0.0	-0.7	-83.4	-18.6	-9.4	-0.2	224.5
		Viento +Y exc.+	-74.8	1.7	42.3	1.4	28.8	0.2	-74.8	-7229	-1861	1.4	28.8	2754.6
		Viento +Y exc.-	-56.4	-1.3	31.0	-0.6	20.8	0.0	-56.4	-5453	-1404	-0.6	20.8	2023.1
		Viento -Y exc.+	74.8	-1.7	-42.3	-1.4	-28.8	-0.2	74.8	7229.5	1861.2	-1.4	-28.8	-2755
		Viento -Y exc.-	56.4	1.3	-31.0	0.6	-20.8	-0.0	56.4	5453.0	1404.1	0.6	-20.8	-2023
P62 [104.738;25.465;0.0 grados]	17.80/21.05	Peso propio	874.5	3.5	-33.5	2.2	-21.6	0.0	874.5	91602	22237	2.2	-21.6	-2318





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(50x50)		Cargas muertas	673.4	1.7	-0.8	1.1	-0.4	0.0	673.4	70532	17147	1.1	-0.4	-65.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.3	0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	389.4	1.1	-13.5	0.7	-8.5	0.0	389.4	40787	9902.7	0.7	-8.5	-910.4
		Viento +X exc.+	1.1	13.1	-0.3	9.4	-0.3	-0.0	1.1	126.9	27.3	9.4	-0.3	-273.1
		Viento +X exc.-	-0.2	13.3	0.4	9.6	0.2	0.0	-0.2	-6.2	-4.3	9.6	0.2	-220.2
		Viento -X exc.+	-1.1	-13.1	0.3	-9.4	0.3	0.0	-1.1	-126.9	-27.3	-9.4	0.3	273.1
		Viento -X exc.-	0.2	-13.3	-0.4	-9.6	-0.2	-0.0	0.2	6.2	4.3	-9.6	-0.2	220.2
		Viento +Y exc.+	-77.2	2.1	42.2	1.8	30.0	0.2	-77.2	-8086	-1924	1.8	30.0	3100.9
		Viento +Y exc.-	-54.9	-0.9	29.5	-0.3	20.6	0.0	-54.9	-5753	-1369	-0.3	20.6	2165.9
		Viento -Y exc.+	77.2	-2.1	-42.2	-1.8	-30.0	-0.2	77.2	8085.8	1924.2	-1.8	-30.0	-3101
		Viento -Y exc.-	54.9	0.9	-29.5	0.3	-20.6	-0.0	54.9	5752.9	1369.0	0.3	-20.6	-2166
P63 [112.738;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	915.2	-0.6	-34.8	-0.2	-22.6	0.0	915.2	103173	23270	-0.2	-22.6	-2542
		Cargas muertas	671.9	0.5	0.5	0.4	0.4	0.0	671.9	75753	17111	0.4	0.4	40.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.8	0.4	0.0	-0.0	-1.0
		Sobrecarga de uso	405.3	-0.1	-13.5	0.0	-8.6	0.0	405.3	45696	10308	0.0	-8.6	-968.5
		Viento +X exc.+	-1.3	13.7	-0.1	9.6	-0.2	-0.0	-1.3	-137.9	-34.4	9.6	-0.2	-265.1
		Viento +X exc.-	-2.9	13.9	0.7	9.7	0.5	0.0	-2.9	-308.0	-72.0	9.7	0.5	-195.6
		Viento -X exc.+	1.3	-13.7	0.1	-9.6	0.2	0.0	1.3	137.9	34.4	-9.6	0.2	265.1
		Viento -X exc.-	2.9	-13.9	-0.7	-9.7	-0.5	-0.0	2.9	308.0	72.0	-9.7	-0.5	195.6
		Viento +Y exc.+	-79.8	2.5	45.8	1.9	32.7	0.2	-79.8	-8995	-1986	1.9	32.7	3636.6
		Viento +Y exc.-	-53.4	-0.7	30.3	-0.2	21.3	0.0	-53.4	-6022	-1330	-0.2	21.3	2411.9
		Viento -Y exc.+	79.8	-2.5	-45.8	-1.9	-32.7	-0.2	79.8	8994.7	1986.5	-1.9	-32.7	-3637
		Viento -Y exc.-	53.4	0.7	-30.3	0.2	-21.3	-0.0	53.4	6022.0	1329.8	0.2	-21.3	-2412
P64 [112.788;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	656.6	40.2	-28.1	23.8	-17.8	0.0	656.6	79346	16691	23.8	-17.8	-2761
		Cargas muertas	641.3	12.9	-5.5	7.1	-3.5	0.0	641.3	77474	16325	7.1	-3.5	-601.1
		H 1	0.1	-0.0	-0.0	0.0	-0.0	0.0	0.1	6.1	1.3	0.0	-0.0	-0.7
		Sobrecarga de uso	272.6	14.3	-10.0	8.4	-6.3	0.0	272.6	32945	6932.6	8.4	-6.3	-973.7
		Viento +X exc.+	13.3	7.9	-1.0	6.0	-0.7	-0.0	13.3	1618.6	338.6	6.0	-0.7	-239.8
		Viento +X exc.-	11.9	8.0	-0.1	6.1	-0.0	0.0	11.9	1448.5	303.6	6.1	-0.0	-159.5
		Viento -X exc.+	-13.3	-7.9	1.0	-6.0	0.7	0.0	-13.3	-1619	-338.6	-6.0	0.7	239.8
		Viento -X exc.-	-11.9	-8.0	0.1	-6.1	0.0	-0.0	-11.9	-1448	-303.6	-6.1	0.0	159.5
		Viento +Y exc.+	-73.5	-0.5	43.9	0.3	31.7	0.2	-73.5	-8881	-1828	0.3	31.7	3826.8
		Viento +Y exc.-	-48.9	-1.8	27.7	-0.8	19.8	0.0	-48.9	-5913	-1218	-0.8	19.8	2413.1
		Viento -Y exc.+	73.5	0.5	-43.9	-0.3	-31.7	-0.2	73.5	8881.0	1828.4	-0.3	-31.7	-3827
		Viento -Y exc.-	48.9	1.8	-27.7	0.8	-19.8	-0.0	48.9	5912.5	1218.4	0.8	-19.8	-2413
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	17.80/21.05	Peso propio	949.7	-5.5	6.4	-2.8	5.1	0.0	949.7	31085	30362	-2.8	5.1	256.1
		Cargas muertas	392.2	1.8	3.4	1.6	3.3	0.0	392.2	12842	12540	1.6	3.3	56.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.6	1.6	0.0	-0.0	-0.1
		Sobrecarga de uso	424.8	0.3	4.4	0.4	3.0	0.0	424.8	13908	13583	0.4	3.0	85.7
		Viento +X exc.+	-3.6	14.3	1.4	10.4	0.9	-0.0	-3.6	-103.4	-113.5	10.4	0.9	-302.2
		Viento +X exc.-	0.6	14.3	0.6	10.4	0.4	0.0	0.6	32.4	18.3	10.4	0.4	-320.6
		Viento -X exc.+	3.6	-14.3	-1.4	-10.4	-0.9	0.0	3.6	103.4	113.5	-10.4	-0.9	302.2
		Viento -X exc.-	-0.6	-14.3	-0.6	-10.4	-0.4	-0.0	-0.6	-32.4	-18.3	-10.4	-0.4	320.6
		Viento +Y exc.+	-299.4	7.4	56.7	4.6	35.5	0.2	-299.4	-9794	-9513	4.6	35.5	1016.1
		Viento +Y exc.-	-370.9	6.9	71.3	4.2	44.8	0.0	-370.9	-12134	-11783	4.2	44.8	1330.3
		Viento -Y exc.+	299.4	-7.4	-56.7	-4.6	-35.5	-0.2	299.4	9793.6	9512.9	-4.6	-35.5	-1016
		Viento -Y exc.-	370.9	-6.9	-71.3	-4.2	-44.8	-0.0	370.9	12134	11783	-4.2	-44.8	-1330
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	17.80/21.05	Peso propio	990.2	7.3	1.4	4.4	3.0	0.0	990.2	40346	31653	4.4	3.0	-17.5
		Cargas muertas	411.9	-1.7	0.6	-1.1	2.2	0.0	411.9	16779	13167	-1.1	2.2	126.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.7	1.3	0.0	-0.0	-0.2
		Sobrecarga de uso	437.7	-0.1	2.5	-0.1	2.2	0.0	437.7	17833	13995	-0.1	2.2	91.4
		Viento +X exc.+	-5.6	14.5	0.5	10.5	0.4	-0.0	-5.6	-212.0	-177.3	10.5	0.4	-322.7
		Viento +X exc.-	-3.1	14.7	0.0	10.6	0.0	0.0	-3.1	-110.1	-97.9	10.6	0.0	-339.1
		Viento -X exc.+	5.6	-14.5	-0.5	-10.5	-0.4	0.0	5.6	212.0	177.3	-10.5	-0.4	322.7
		Viento -X exc.-	3.1	-14.7	-0.0	-10.6	-0.0	-0.0	3.1	110.1	97.9	-10.6	-0.0	339.1
		Viento +Y exc.+	-285.7	-4.7	58.5	-2.9	37.0	0.2	-285.7	-11644	-9074	-2.9	37.0	1601.0
		Viento +Y exc.-	-327.8	-7.6	67.1	-4.7	42.4	0.0	-327.8	-13361	-10411	-4.7	42.4	1878.6
		Viento -Y exc.+	285.7	4.7	-58.5	2.9	-37.0	-0.2	285.7	11644	9074.5	2.9	-37.0	-1601
		Viento -Y exc.-	327.8	7.6	-67.1	4.7	-42.4	-0.0	327.8	13361	10411	4.7	-42.4	-1879
P121 [29.538;25.465;0.0 grados] (50x50)	17.80/20.95	Peso propio	379.0	-103.1	-17.1	-59.2	-7.6	0.0	379.0	11092	9634.4	-59.2	-7.6	1282.9
		Cargas muertas	343.0	-140.3	-37.3	-82.4	-18.8	0.0	343.0	9991.4	8697.4	-82.4	-18.8	1545.1
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.0
		Sobrecarga de uso	197.5	-57.2	-4.3	-33.5	-0.8	0.0	197.5	5776.7	5025.1	-33.5	-0.8	828.7
		Viento +X exc.+	4.0	8.1	1.1	8.6	1.1	-0.0	4.0	127.6	104.2	8.6	1.1	-186.7
		Viento +X exc.-	4.3	8.2	1.0	8.7	1.0	0.0	4.3	134.9	110.3	8.7	1.0	-192.5



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. cuarta +17.90														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=17.80)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	-4.0	-8.1	-1.1	-8.6	-1.1	0.0	-4.0	-127.6	-104.2	-8.6	-1.1	186.7
		Viento -X exc.-	-4.3	-8.2	-1.0	-8.7	-1.0	-0.0	-4.3	-134.9	-110.3	-8.7	-1.0	192.5
		Viento +Y exc.+	-12.2	6.5	9.7	4.7	7.9	0.2	-12.2	-354.0	-301.1	4.7	7.9	114.7
		Viento +Y exc.-	-16.4	4.8	11.4	2.9	9.8	0.0	-16.4	-480.7	-407.1	2.9	9.8	215.0
		Viento -Y exc.+	12.2	-6.5	-9.7	-4.7	-7.9	-0.2	12.2	354.0	301.1	-4.7	-7.9	-114.7
		Viento -Y exc.-	16.4	-4.8	-11.4	-2.9	-9.8	-0.0	16.4	480.7	407.1	-2.9	-9.8	-215.0
P122 [43.938;25.465;0.0 grados] (50x50)	17.80/21.05	Peso propio	393.1	93.4	-6.9	51.9	-1.2	0.0	393.1	17364	10003	51.9	-1.2	-1372
		Cargas muertas	355.8	131.7	-35.9	75.1	-17.5	0.0	355.8	15766	9024.9	75.1	-17.5	-2684
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	199.5	49.8	-2.0	28.2	0.6	0.0	199.5	8817.4	5079.4	28.2	0.6	-692.8
		Viento +X exc.+	-2.9	5.5	0.3	6.7	0.0	-0.0	-2.9	-120.2	-72.5	6.7	0.0	-167.8
		Viento +X exc.-	-2.8	5.6	0.2	6.8	-0.0	0.0	-2.8	-117.1	-70.9	6.8	-0.0	-173.6
		Viento -X exc.+	2.9	-5.5	-0.3	-6.7	-0.0	0.0	2.9	120.2	72.5	-6.7	-0.0	167.8
		Viento -X exc.-	2.8	-5.6	-0.2	-6.8	0.0	-0.0	2.8	117.1	70.9	-6.8	0.0	173.6
		Viento +Y exc.+	-12.2	-1.0	8.9	0.4	8.2	0.2	-12.2	-536.0	-301.2	0.4	8.2	348.9
		Viento +Y exc.-	-13.2	-3.5	10.3	-1.7	9.2	0.0	-13.2	-585.7	-327.1	-1.7	9.2	448.8
		Viento -Y exc.+	12.2	1.0	-8.9	-0.4	-8.2	-0.2	12.2	536.0	301.2	-0.4	-8.2	-348.9
		Viento -Y exc.-	13.2	3.5	-10.3	1.7	-9.2	-0.0	13.2	585.7	327.1	1.7	-9.2	-448.8
		Peso propio	1510.7	-12.2	27.3	-5.7	-9.4	-4.1	1510.7	49217	55171	-5.7	-9.4	-103.5
		Cargas muertas	464.2	-2.7	67.3	-0.7	19.6	-2.1	464.2	15125	17013	-0.7	19.6	659.8
		H 1	-0.1	0.0	-0.0	-0.0	0.0	0.0	-0.1	-3.0	-3.4	-0.0	0.0	0.4
M12 [32.588;36.503] (e=30.0 cm)	17.80/21.40	Sobrecarga de uso	545.3	-2.0	38.5	-0.7	-3.0	-1.0	545.3	17768	19943	-0.7	-3.0	-73.7
		Viento +X exc.+	13.2	18.0	-81.2	11.6	-6.8	5.1	13.2	447.4	399.7	11.6	-6.8	-639.9
		Viento +X exc.-	8.7	18.0	-76.3	11.7	-9.9	5.2	8.7	301.3	241.0	11.7	-9.9	-744.0
		Viento -X exc.+	-13.2	-18.0	81.2	-11.6	6.8	-5.1	-13.2	-447.4	-399.7	-11.6	6.8	639.9
		Viento -X exc.-	-8.7	-18.0	76.3	-11.7	9.9	-5.2	-8.7	-301.3	-241.0	-11.7	9.9	744.0
		Viento +Y exc.+	146.5	-0.2	68.4	-0.7	209.5	1.2	146.5	4775.0	5417.2	-0.7	209.5	6854.7
		Viento +Y exc.-	215.0	-0.8	7.7	-2.0	270.0	-0.5	215.0	7006.2	7856.4	-2.0	270.0	8871.2
		Viento -Y exc.+	-146.5	0.2	-68.4	0.7	-209.5	-1.2	-146.5	-4775	-5417	0.7	-209.5	-6855
		Viento -Y exc.-	-215.0	0.8	-7.7	2.0	-270.0	0.5	-215.0	-7006	-7856	2.0	-270.0	-8871
		Peso propio	1455.6	18.2	31.7	9.3	-12.8	5.8	1455.6	59443	53165	9.3	-12.8	-855.7
		Cargas muertas	434.5	5.6	83.4	2.4	26.0	3.1	434.5	17744	15944	2.4	26.0	975.7
		H 1	-0.1	0.0	-0.1	0.0	-0.0	-0.0	-0.1	-2.4	-2.3	0.0	-0.0	-0.7
		Sobrecarga de uso	509.9	4.2	36.0	2.1	-5.5	1.6	509.9	20820	18648	2.1	-5.5	-297.3
		Viento +X exc.+	16.9	18.0	10.4	11.8	-2.3	4.8	16.9	709.1	628.3	11.8	-2.3	-519.0
M15 [40.825;36.503] (e=30.0 cm)	17.80/21.40	Viento +X exc.-	15.8	18.0	9.7	11.8	-4.1	4.9	15.8	664.1	587.3	11.8	-4.1	-595.6
		Viento -X exc.+	-16.9	-18.0	-10.4	-11.8	2.3	-4.8	-16.9	-709.1	-628.3	-11.8	2.3	519.0
		Viento -X exc.-	-15.8	-18.0	-9.7	-11.8	4.1	-4.9	-15.8	-664.1	-587.3	-11.8	4.1	595.6
		Viento +Y exc.+	224.0	1.6	-146.9	2.9	221.9	2.7	224.0	9145.3	8028.8	2.9	221.9	8953.8
		Viento +Y exc.-	236.5	1.3	-119.0	2.3	255.7	1.3	236.5	9654.6	8512.3	2.3	255.7	10356
		Viento -Y exc.+	-224.0	-1.6	146.9	-2.9	-221.9	-2.7	-224.0	-9145	-8029	-2.9	-221.9	-8954
		Viento -Y exc.-	-236.5	-1.3	119.0	-2.3	-255.7	-1.3	-236.5	-9655	-8512	-2.3	-255.7	-10356
		Peso propio	67676	4132817	2387785	-0.3	12.5	473.3						
		Cargas muertas	37450	2294561	1322181	-0.2	1.7	68.4						
		H 1	0.0	0.3	0.3	0.0	-0.0	-0.2						
		Sobrecarga de uso	29964	1835677	1057508	-0.1	4.7	177.0						
		Viento +X exc.+	-3.0	7449.5	-108.1	751.3	-0.0	-27286						
		Viento +X exc.-	-2.4	7470.4	-86.4	751.3	0.2	-25756						
		Viento -X exc.+	3.0	-7449	108.1	-751.3	0.0	27286						
		Viento -X exc.-	2.4	-7470	86.4	-751.3	-0.2	25756						
		Viento +Y exc.+	-41.5	-1561	22634	0.2	2402.1	159608						
		Viento +Y exc.-	-50.5	-1870	22311	-0.0	2398.7	132654						
		Viento -Y exc.+	41.5	1561.5	-22634	-0.2	-2402	-159608						
		Viento -Y exc.-	50.5	1870.3	-22311	0.0	-2399	-132654						

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.738;44.965;0.0 grados] (Diámetro 60)	14.20/17.45	Peso propio	813.7	-28.8	25.4	-15.1	12.6	0.0	813.7	571.5	36613	-15.1	12.6	688.8
		Cargas muertas	783.3	-2.8	0.4	0.8	-2.5	0.0	783.3	575.2	35221	0.8	-2.5	-37.1
		H 1	-0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.2	-0.2	-10.1	0.0	-0.0	-0.1
		Sobrecarga de uso	323.1	-10.0	9.3	-5.2	4.3	0.0	323.1	228.4	14537	-5.2	4.3	237.2
		Viento +X exc.+	-18.0	12.9	0.7	9.0	0.8	-0.0	-18.0	-0.3	-807.7	9.0	0.8	-406.1



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-19.6	12.8	-0.3	8.9	0.2	0.0	-19.6	-1.7	-880.0	8.9	0.2	-400.1
		Viento -X exc.+	18.0	-12.9	-0.7	-9.0	-0.8	0.0	18.0	0.3	807.7	-9.0	-0.8	406.1
		Viento -X exc.-	19.6	-12.8	0.3	-8.9	-0.2	0.0	19.6	1.7	880.0	-8.9	-0.2	400.1
		Viento +Y exc.+	41.9	-2.9	12.7	-2.3	6.7	0.3	41.9	28.0	1895.6	-2.3	6.7	108.5
		Viento +Y exc.-	69.2	0.3	31.4	0.2	18.5	0.0	69.2	51.3	3142.3	0.2	18.5	3.8
		Viento -Y exc.+	-41.9	2.9	-12.7	2.3	-6.7	-0.3	-41.9	-28.0	-1896	2.3	-6.7	-108.5
		Viento -Y exc.-	-69.2	-0.3	-31.4	-0.2	-18.5	-0.0	-69.2	-51.3	-3142	-0.2	-18.5	-3.8
P2 [8.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1140.1	2.5	22.3	1.5	18.1	0.0	1140.1	9964.3	51342	1.5	18.1	92.4
		Cargas muertas	829.3	-0.2	-17.6	-0.1	-7.2	0.0	829.3	7246.4	37315	-0.1	-7.2	-56.8
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	1.3	6.8	0.0	0.0	-0.2
		Sobrecarga de uso	478.8	0.7	7.8	0.4	6.5	0.0	478.8	4184.7	21562	0.4	6.5	40.5
		Viento +X exc.+	3.7	20.6	0.9	13.7	0.8	-0.0	3.7	52.7	166.4	13.7	0.8	-610.4
		Viento +X exc.-	1.7	20.3	-0.1	13.5	0.2	0.0	1.7	35.2	76.5	13.5	0.2	-607.3
		Viento -X exc.+	-3.7	-20.6	-0.9	-13.7	-0.8	0.0	-3.7	-52.7	-166.4	-13.7	-0.8	610.4
		Viento -X exc.-	-1.7	-20.3	0.1	-13.5	-0.2	0.0	-1.7	-35.2	-76.5	-13.5	-0.2	607.3
		Viento +Y exc.+	53.8	-5.2	17.6	-3.8	10.4	0.2	53.8	465.1	2440.6	-3.8	10.4	262.9
		Viento +Y exc.-	88.1	-0.4	34.8	-0.4	21.4	0.0	88.1	769.1	3999.1	-0.4	21.4	206.6
		Viento -Y exc.+	-53.8	5.2	-17.6	3.8	-10.4	-0.2	-53.8	-465.1	-2441	3.8	-10.4	-262.9
		Viento -Y exc.-	-88.1	0.4	-34.8	0.4	-21.4	-0.0	-88.1	-769.1	-3999	0.4	-21.4	-206.6
P3 [16.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1119.3	-0.4	23.0	-0.1	18.3	0.0	1119.3	18734	50408	-0.1	18.3	310.1
		Cargas muertas	833.6	-0.1	-17.4	0.0	-7.1	0.0	833.6	13953	37507	0.0	-7.1	-119.6
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.9	2.6	0.0	0.0	0.8
		Sobrecarga de uso	463.3	0.1	8.1	0.1	6.7	0.0	463.3	7755.2	20865	0.1	6.7	108.2
		Viento +X exc.+	2.0	20.1	0.9	13.4	0.7	-0.0	2.0	53.0	89.5	13.4	0.7	-589.4
		Viento +X exc.-	0.4	19.8	0.1	13.2	0.2	0.0	0.4	26.2	17.3	13.2	0.2	-589.5
		Viento -X exc.+	-2.0	-20.1	-0.9	-13.4	-0.7	0.0	-2.0	-53.0	-89.5	-13.4	-0.7	589.4
		Viento -X exc.-	-0.4	-19.8	-0.1	-13.2	-0.2	0.0	-0.4	-26.2	-17.3	-13.2	-0.2	589.5
		Viento +Y exc.+	55.3	-5.1	21.6	-3.7	13.0	0.2	55.3	921.3	2513.1	-3.7	13.0	384.4
		Viento +Y exc.-	82.7	-0.3	35.7	-0.4	22.0	0.0	82.7	1383.3	3756.7	-0.4	22.0	384.6
		Viento -Y exc.+	-55.3	5.1	-21.6	3.7	-13.0	-0.2	-55.3	-921.3	-2513	3.7	-13.0	-384.4
		Viento -Y exc.-	-82.7	0.3	-35.7	0.4	-22.0	-0.0	-82.7	-1383	-3757	0.4	-22.0	-384.6
P4 [24.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1132.7	1.5	24.2	1.0	18.9	0.0	1132.7	28022	51012	1.0	18.9	424.1
		Cargas muertas	839.9	0.0	-16.6	0.1	-6.7	0.0	839.9	20778	37793	0.1	-6.7	-170.7
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	1.6	3.0	0.0	0.0	1.2
		Sobrecarga de uso	471.1	0.2	8.3	0.1	6.8	0.0	471.1	11653	21213	0.1	6.8	162.1
		Viento +X exc.+	2.3	20.4	1.0	13.5	0.7	-0.0	2.3	78.5	106.7	13.5	0.7	-592.0
		Viento +X exc.-	1.0	20.2	0.3	13.4	0.3	0.0	1.0	44.3	44.2	13.4	0.3	-594.1
		Viento -X exc.+	-2.3	-20.4	-1.0	-13.5	-0.7	0.0	-2.3	-78.5	-106.7	-13.5	-0.7	592.0
		Viento -X exc.-	-1.0	-20.2	-0.3	-13.4	-0.3	0.0	-1.0	-44.3	-44.2	-13.4	-0.3	594.1
		Viento +Y exc.+	67.6	-6.0	26.2	-4.3	16.1	0.2	67.6	1665.1	3067.0	-4.3	16.1	590.1
		Viento +Y exc.-	91.1	-1.4	37.4	-1.1	23.2	0.0	91.1	2252.6	4139.0	-1.1	23.2	623.1
		Viento -Y exc.+	-67.6	6.0	-26.2	4.3	-16.1	-0.2	-67.6	-1665	-3067	4.3	-16.1	-590.1
		Viento -Y exc.-	-91.1	1.4	-37.4	1.1	-23.2	-0.0	-91.1	-2253	-4139	1.1	-23.2	-623.1
P5 [32.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1089.2	-0.7	17.4	-0.3	14.4	0.0	1089.2	35656	49046	-0.3	14.4	487.4
		Cargas muertas	825.9	-0.9	-19.2	-0.4	-8.5	0.0	825.9	27038	37160	-0.4	-8.5	-257.7
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	2.1	3.0	0.0	0.0	1.5
		Sobrecarga de uso	451.7	-0.1	5.3	-0.1	4.8	0.0	451.7	14789	20340	-0.1	4.8	159.9
		Viento +X exc.+	3.2	20.4	1.0	13.5	0.7	-0.0	3.2	126.3	146.8	13.5	0.7	-584.6
		Viento +X exc.-	1.5	20.1	0.5	13.3	0.3	0.0	1.5	68.3	66.7	13.3	0.3	-588.4
		Viento -X exc.+	-3.2	-20.4	-1.0	-13.5	-0.7	0.0	-3.2	-126.3	-146.8	-13.5	-0.7	584.6
		Viento -X exc.-	-1.5	-20.1	-0.5	-13.3	-0.3	0.0	-1.5	-68.3	-66.7	-13.3	-0.3	588.4
		Viento +Y exc.+	123.8	-6.1	37.3	-4.4	23.3	0.2	123.8	4047.5	5610.9	-4.4	23.3	961.4
		Viento +Y exc.-	154.3	-1.5	47.1	-1.2	29.6	0.0	154.3	5048.8	6991.4	-1.2	29.6	1022.1
		Viento -Y exc.+	-123.8	6.1	-37.3	4.4	-23.3	-0.2	-123.8	-4047	-5611	4.4	-23.3	-961.4
		Viento -Y exc.-	-154.3	1.5	-47.1	1.2	-29.6	-0.0	-154.3	-5049	-6991	1.2	-29.6	-1022
P6 [40.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1067.4	0.7	17.1	0.6	14.2	0.0	1067.4	43485	48067	0.6	14.2	548.6
		Cargas muertas	817.0	0.5	-19.1	0.3	-8.5	0.0	817.0	33285	36760	0.3	-8.5	-361.0
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	2.9	3.3	0.0	0.0	1.9
		Sobrecarga de uso	443.7	0.3	5.1	0.2	4.7	0.0	443.7	18077	19980	0.2	4.7	182.9
		Viento +X exc.+	-0.8	20.7	0.4	13.7	0.2	-0.0	-0.8	-11.4	-35.1	13.7	0.2	-608.2
		Viento +X exc.-	-1.9	20.4	0.0	13.5	0.0	0.0	-1.9	-56.9	-85.5	13.5	0.0	-608.5
		Viento -X exc.+	0.8	-20.7	-0.4	-13.7	-0.2	0.0	0.8	11.4	35.1	-13.7	-0.2	608.2
		Viento -X exc.-	1.9	-20.4	-0.0	-13.5	-0.0	0.0	1.9	56.9	85.5	-13.5	-0.0	608.5
		Viento +Y exc.+	129.8	-5.1	41.8	-3.7	26.3	0.2	129.8	5284.6	5886.9	-3.7	26.3	1239.0
		Viento +Y exc.-	148.4	-0.2	47.8	-0.4	30.0	0.0	148.4	6045.4	6728.1	-0.4	30.0	1237.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-129.8	5.1	-41.8	3.7	-26.3	-0.2	-129.8	-5285	-5887	3.7	-26.3	-1239
		Viento -Y exc.-	-148.4	0.2	-47.8	0.4	-30.0	-0.0	-148.4	-6045	-6728	0.4	-30.0	-1237
P7 [48.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1208.6	-19.8	25.4	-12.8	20.1	0.0	1208.6	58884	54429	-12.8	20.1	1552.0
		Cargas muertas	853.8	-10.6	-15.1	-6.3	-5.8	0.0	853.8	41603	38420	-6.3	-5.8	1.6
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	2.8	2.7	0.0	0.0	2.2
		Sobrecarga de uso	487.5	-5.7	8.1	-3.7	6.8	0.0	487.5	23755	21954	-3.7	6.8	494.8
		Viento +X exc.+	6.0	16.3	0.2	11.0	0.1	-0.0	6.0	309.6	271.0	11.0	0.1	-489.0
		Viento +X exc.-	5.6	16.1	0.1	10.8	0.1	0.0	5.6	291.3	254.3	10.8	0.1	-484.4
		Viento -X exc.+	-6.0	-16.3	-0.2	-11.0	-0.1	0.0	-6.0	-309.6	-271.0	-11.0	-0.1	489.0
		Viento -X exc.-	-5.6	-16.1	-0.1	-10.8	-0.1	0.0	-5.6	-291.3	-254.3	-10.8	-0.1	484.4
		Viento +Y exc.+	81.6	-4.6	37.8	-3.4	23.7	0.2	81.6	3971.6	3710.1	-3.4	23.7	1305.5
		Viento +Y exc.-	87.8	-0.6	39.3	-0.5	24.5	0.0	87.8	4278.8	3991.7	-0.5	24.5	1219.9
		Viento -Y exc.+	-81.6	4.6	-37.8	3.4	-23.7	-0.2	-81.6	-3972	-3710	3.4	-23.7	-1306
		Viento -Y exc.-	-87.8	0.6	-39.3	0.5	-24.5	-0.0	-87.8	-4279	-3992	0.5	-24.5	-1220
P8 [56.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1107.1	0.2	21.7	0.3	17.1	0.0	1107.1	62813	49856	0.3	17.1	956.4
		Cargas muertas	826.1	-1.5	-17.8	-0.9	-7.5	0.0	826.1	46869	37168	-0.9	-7.5	-386.7
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	3.2	2.7	0.0	0.0	2.4
		Sobrecarga de uso	461.1	-0.3	7.3	-0.2	6.1	0.0	461.1	26160	20762	-0.2	6.1	353.3
		Viento +X exc.+	-4.6	20.8	0.1	13.7	0.0	-0.0	-4.6	-238.4	-205.5	13.7	0.0	-613.2
		Viento +X exc.-	-4.5	20.5	0.2	13.5	0.1	0.0	-4.5	-234.5	-202.1	13.5	0.1	-601.2
		Viento -X exc.+	4.6	-20.8	-0.1	-13.7	-0.0	0.0	4.6	238.4	205.5	-13.7	-0.0	613.2
		Viento -X exc.-	4.5	-20.5	-0.2	-13.5	-0.1	0.0	4.5	234.5	202.1	-13.5	-0.1	601.2
		Viento +Y exc.+	81.4	-5.9	40.7	-4.1	25.4	0.2	81.4	4613.9	3706.0	-4.1	25.4	1625.8
		Viento +Y exc.-	80.1	-1.1	39.0	-0.9	24.2	0.0	80.1	4545.6	3646.3	-0.9	24.2	1408.9
		Viento -Y exc.+	-81.4	5.9	-40.7	4.1	-25.4	-0.2	-81.4	-4614	-3706	4.1	-25.4	-1626
		Viento -Y exc.-	-80.1	1.1	-39.0	0.9	-24.2	-0.0	-80.1	-4546	-3646	0.9	-24.2	-1409
P9 [64.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1111.1	-1.6	22.1	-0.7	17.2	0.0	1111.1	71928	50038	-0.7	17.2	1142.4
		Cargas muertas	836.7	-1.8	-17.1	-0.8	-7.1	0.0	836.7	54167	37649	-0.8	-7.1	-427.5
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	4.1	3.0	0.0	0.0	2.9
		Sobrecarga de uso	467.6	-0.6	7.6	-0.3	6.3	0.0	467.6	30270	21056	-0.3	6.3	419.6
		Viento +X exc.+	0.2	20.7	0.2	13.5	0.0	-0.0	0.2	32.7	8.5	13.5	0.0	-608.4
		Viento +X exc.-	0.5	20.4	0.4	13.3	0.2	0.0	0.5	52.2	22.5	13.3	0.2	-588.6
		Viento -X exc.+	-0.2	-20.7	-0.2	-13.5	-0.0	0.0	-0.2	-32.7	-8.5	-13.5	-0.0	608.4
		Viento -X exc.-	-0.5	-20.4	-0.4	-13.3	-0.2	0.0	-0.5	-52.2	-22.5	-13.3	-0.2	588.6
		Viento +Y exc.+	83.9	-5.7	43.9	-4.0	27.5	0.2	83.9	5427.5	3821.7	-4.0	27.5	1959.0
		Viento +Y exc.-	78.3	-0.8	39.1	-0.7	24.3	0.0	78.3	5066.8	3562.8	-0.7	24.3	1604.1
		Viento -Y exc.+	-83.9	5.7	-43.9	4.0	-27.5	-0.2	-83.9	-5427	-3822	4.0	-27.5	-1959
		Viento -Y exc.-	-78.3	0.8	-39.1	0.7	-24.3	-0.0	-78.3	-5067	-3563	0.7	-24.3	-1604
P10 [72.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1121.6	1.4	23.7	0.7	17.8	0.0	1121.6	81588	50514	0.7	17.8	1265.3
		Cargas muertas	840.0	0.5	-15.8	0.2	-6.6	0.0	840.0	61098	37795	0.2	-6.6	-493.2
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	4.3	2.7	0.0	0.0	3.1
		Sobrecarga de uso	468.8	0.5	7.9	0.2	6.4	0.0	468.8	34097	21109	0.2	6.4	453.6
		Viento +X exc.+	0.7	20.6	0.2	13.5	-0.0	-0.0	0.7	73.4	32.8	13.5	-0.0	-609.5
		Viento +X exc.-	1.3	20.4	0.6	13.3	0.3	0.0	1.3	117.6	60.8	13.3	0.3	-580.1
		Viento -X exc.+	-0.7	-20.6	-0.2	-13.5	0.0	0.0	-0.7	-73.4	-32.8	-13.5	0.0	609.5
		Viento -X exc.-	-1.3	-20.4	-0.6	-13.3	-0.3	0.0	-1.3	-117.6	-60.8	-13.3	-0.3	580.1
		Viento +Y exc.+	90.9	-5.7	47.3	-4.0	29.9	0.2	90.9	6605.3	4138.6	-4.0	29.9	2352.9
		Viento +Y exc.-	79.8	-0.9	39.5	-0.7	24.7	0.0	79.8	5804.1	3631.9	-0.7	24.7	1830.0
		Viento -Y exc.+	-90.9	5.7	-47.3	4.0	-29.9	-0.2	-90.9	-6605	-4139	4.0	-29.9	-2353
		Viento -Y exc.-	-79.8	0.9	-39.5	0.7	-24.7	-0.0	-79.8	-5804	-3632	0.7	-24.7	-1830
P11 [80.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1112.1	2.4	23.4	1.0	17.7	0.0	1112.1	89788	50082	1.0	17.7	1385.7
		Cargas muertas	837.5	1.8	-15.8	0.7	-6.6	0.0	837.5	67621	37684	0.7	-6.6	-564.1
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	5.1	2.9	0.0	0.0	3.4
		Sobrecarga de uso	467.8	0.8	7.9	0.3	6.4	0.0	467.8	37767	21064	0.3	6.4	504.2
		Viento +X exc.+	-0.4	20.6	0.0	13.5	-0.2	-0.0	-0.4	-15.6	-20.2	13.5	-0.2	-621.6
		Viento +X exc.-	0.5	20.4	0.6	13.3	0.2	0.0	0.5	58.8	22.0	13.3	0.2	-580.8
		Viento -X exc.+	0.4	-20.6	-0.0	-13.5	0.2	0.0	0.4	15.6	20.2	-13.5	0.2	621.6
		Viento -X exc.-	-0.5	-20.4	-0.6	-13.3	-0.2	0.0	-0.5	-58.8	-22.0	-13.3	-0.2	580.8
		Viento +Y exc.+	93.6	-5.7	50.9	-4.0	32.2	0.2	93.6	7554.4	4266.0	-4.0	32.2	2785.0
		Viento +Y exc.-	77.2	-0.9	40.0	-0.7	25.1	0.0	77.2	6228.9	3513.4	-0.7	25.1	2061.6
		Viento -Y exc.+	-93.6	5.7	-50.9	4.0	-32.2	-0.2	-93.6	-7554	-4266	4.0	-32.2	-2785
		Viento -Y exc.-	-77.2	0.9	-40.0	0.7	-25.1	-0.0	-77.2	-6229	-3513	0.7	-25.1	-2062
P12 [88.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1119.5	3.6	23.4	2.0	17.7	0.0	1119.5	99342	50415	2.0	17.7	1477.0
		Cargas muertas	840.3	2.4	-15.7	1.3	-6.6	0.0	840.3	74565	37808	1.3	-6.6	-645.9
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	5.5	2.9	0.0	0.0	3.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	468.1	1.2	7.7	0.6	6.3	0.0	468.1	41542	21081	0.6	6.3	533.7
		Viento +X exc.+	0.1	20.7	-0.1	13.7	-0.3	-0.0	0.1	26.8	2.9	13.7	-0.3	-641.4
		Viento +X exc.-	1.3	20.4	0.7	13.5	0.2	0.0	1.3	137.4	60.0	13.5	0.2	-586.5
		Viento -X exc.+	-0.1	-20.7	0.1	-13.7	0.3	0.0	-0.1	-26.8	-2.9	-13.7	0.3	641.4
		Viento -X exc.-	-1.3	-20.4	-0.7	-13.5	-0.2	0.0	-1.3	-137.4	-60.0	-13.5	-0.2	586.5
		Viento +Y exc.+	101.7	-5.6	55.5	-4.0	35.2	0.2	101.7	9020.8	4634.4	-4.0	35.2	3308.2
		Viento +Y exc.-	79.5	-0.8	41.3	-0.7	26.0	0.0	79.5	7055.2	3620.6	-0.7	26.0	2338.6
		Viento -Y exc.+	-101.7	5.6	-55.5	4.0	-35.2	-0.2	-101.7	-9021	-4634	4.0	-35.2	-3308
		Viento -Y exc.-	-79.5	0.8	-41.3	0.7	-26.0	-0.0	-79.5	-7055	-3621	0.7	-26.0	-2339
P13 [96.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1121.6	1.1	25.5	0.7	19.0	0.0	1121.6	108507	50516	0.7	19.0	1812.1
		Cargas muertas	839.1	0.8	-14.4	0.5	-5.9	0.0	839.1	81175	37758	0.5	-5.9	-593.5
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	6.3	3.0	0.0	0.0	4.0
		Sobrecarga de uso	468.2	0.5	8.5	0.3	6.9	0.0	468.2	45292	21084	0.3	6.9	649.7
		Viento +X exc.+	-0.7	20.1	-0.1	13.4	-0.3	-0.0	-0.7	-49.0	-32.3	13.4	-0.3	-634.6
		Viento +X exc.-	0.9	19.9	0.9	13.2	0.3	0.0	0.9	106.6	41.2	13.2	0.3	-564.1
		Viento -X exc.+	0.7	-20.1	0.1	-13.4	0.3	0.0	0.7	49.0	32.3	-13.4	0.3	634.6
		Viento -X exc.-	-0.9	-19.9	-0.9	-13.2	-0.3	0.0	-0.9	-106.6	-41.2	-13.2	-0.3	564.1
		Viento +Y exc.+	107.9	-4.8	59.8	-3.5	38.4	0.2	107.9	10431	4915.9	-3.5	38.4	3869.1
		Viento +Y exc.-	79.5	-0.4	42.3	-0.4	27.0	0.0	79.5	7694.5	3622.9	-0.4	27.0	2625.3
		Viento -Y exc.+	-107.9	4.8	-59.8	3.5	-38.4	-0.2	-107.9	-10431	-4916	3.5	-38.4	-3869
		Viento -Y exc.-	-79.5	0.4	-42.3	0.4	-27.0	-0.0	-79.5	-7694	-3623	0.4	-27.0	-2625
P14 [104.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1139.7	0.3	29.4	0.2	21.4	0.0	1139.7	119371	51333	0.2	21.4	2232.4
		Cargas muertas	848.8	-0.5	-13.0	-0.3	-5.0	0.0	848.8	88900	38195	-0.3	-5.0	-515.4
		H 1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	5.7	2.5	0.0	0.0	4.3
		Sobrecarga de uso	474.5	-0.2	9.3	-0.2	7.4	0.0	474.5	49702	21371	-0.2	7.4	778.9
		Viento +X exc.+	-1.7	20.3	-0.3	13.4	-0.5	-0.0	-1.7	-157.2	-76.6	13.4	-0.5	-657.1
		Viento +X exc.-	0.3	20.0	0.9	13.3	0.3	0.0	0.3	49.7	13.6	13.3	0.3	-568.6
		Viento -X exc.+	1.7	-20.3	0.3	-13.4	0.5	0.0	1.7	157.2	76.6	-13.4	0.5	657.1
		Viento -X exc.-	-0.3	-20.0	-0.9	-13.3	-0.3	0.0	-0.3	-49.7	-13.6	-13.3	-0.3	568.6
		Viento +Y exc.+	118.3	-5.2	64.0	-3.7	41.1	0.2	118.3	12388	5390.3	-3.7	41.1	4476.3
		Viento +Y exc.-	83.4	-0.6	43.2	-0.6	27.6	0.0	83.4	8737.8	3798.8	-0.6	27.6	2916.3
		Viento -Y exc.+	-118.3	5.2	-64.0	3.7	-41.1	-0.2	-118.3	-12388	-5390	3.7	-41.1	-4476
		Viento -Y exc.-	-83.4	0.6	-43.2	0.6	-27.6	-0.0	-83.4	-8738	-3799	0.6	-27.6	-2916
P15 [112.738;45.015;0.0 grados] (50x50)	14.20/17.45	Peso propio	1167.1	0.6	30.7	0.6	22.1	0.0	1167.1	131577	52567	0.6	22.1	2469.8
		Cargas muertas	849.3	1.3	-12.2	0.9	-4.7	0.0	849.3	95755	38221	0.9	-4.7	-569.6
		H 1	0.1	-0.0	0.1	-0.0	0.0	0.0	0.1	13.9	5.6	-0.0	0.0	4.5
		Sobrecarga de uso	492.4	0.4	9.8	0.3	7.6	0.0	492.4	55517	22177	0.3	7.6	850.5
		Viento +X exc.+	-3.7	21.0	-0.5	13.9	-0.7	-0.0	-3.7	-394.2	-166.3	13.9	-0.7	-703.6
		Viento +X exc.-	-1.3	20.7	0.8	13.7	0.2	0.0	-1.3	-125.6	-57.6	13.7	0.2	-595.5
		Viento -X exc.+	3.7	-21.0	0.5	-13.9	0.7	0.0	3.7	394.2	166.3	-13.9	0.7	703.6
		Viento -X exc.-	1.3	-20.7	-0.8	-13.7	-0.2	0.0	1.3	125.6	57.6	-13.7	-0.2	595.5
		Viento +Y exc.+	125.2	-5.4	67.7	-3.9	43.7	0.2	125.2	14105	5701.7	-3.9	43.7	5095.9
		Viento +Y exc.-	83.5	-0.7	43.8	-0.6	28.1	0.0	83.5	9410.6	3801.6	-0.6	28.1	3191.1
		Viento -Y exc.+	-125.2	5.4	-67.7	3.9	-43.7	-0.2	-125.2	-14105	-5702	3.9	-43.7	-5096
		Viento -Y exc.-	-83.5	0.7	-43.8	0.6	-28.1	-0.0	-83.5	-9411	-3802	0.6	-28.1	-3191
P16 [120.738;44.965;0.0 grados] (Diámetro 60)	14.20/17.45	Peso propio	814.5	30.8	31.4	16.3	14.9	0.0	814.5	98372	36655	16.3	14.9	1065.8
		Cargas muertas	794.0	3.9	5.3	-0.4	-0.8	0.0	794.0	95866	35706	-0.4	-0.8	-77.4
		H 1	-0.2	0.0	-0.1	0.0	-0.0	0.0	-0.2	-25.0	-9.4	0.0	-0.0	-3.2
		Sobrecarga de uso	323.4	10.8	10.1	5.6	4.7	0.0	323.4	39057	14552	5.6	4.7	321.5
		Viento +X exc.+	18.0	12.8	-0.3	8.9	-0.8	-0.0	18.0	2189.9	810.4	8.9	-0.8	-493.7
		Viento +X exc.-	20.1	12.7	1.1	8.8	0.2	0.0	20.1	2436.0	903.6	8.8	0.2	-374.1
		Viento -X exc.+	-18.0	-12.8	0.3	-8.9	0.8	0.0	-18.0	-2190	-810.4	-8.9	0.8	493.7
		Viento -X exc.-	-20.1	-12.7	-1.1	-8.8	-0.2	0.0	-20.1	-2436	-903.6	-8.8	-0.2	374.1
		Viento +Y exc.+	105.6	-4.1	67.5	-3.6	43.2	0.3	105.6	12749	4816.9	-3.6	43.2	5375.5
		Viento +Y exc.-	69.9	-0.9	42.0	-1.1	26.6	0.0	69.9	8439.5	3185.3	-1.1	26.6	3265.2
		Viento -Y exc.+	-105.6	4.1	-67.5	3.6	-43.2	-0.3	-105.6	-12749	-4817	3.6	-43.2	-5375
		Viento -Y exc.-	-69.9	0.9	-42.0	1.1	-26.6	-0.0	-69.9	-8439	-3185	1.1	-26.6	-3265
P17 [0.688;38.465;0.0 grados] (Diámetro 50)	14.20/17.45	Peso propio	1102.2	-37.0	-0.2	-23.0	0.2	0.0	1102.2	721.2	42398	-23.0	0.2	886.0
		Cargas muertas	745.5	8.6	-1.2	4.6	-0.5	0.0	745.5	521.3	28674	4.6	-0.5	-176.4
		H 1	0.3	-0.1	-0.0	-0.0	-0.0	0.0	0.3	0.1	10.0	-0.0	-0.0	1.3
		Sobrecarga de uso	464.2	-14.2	0.4	-8.9	0.3	0.0	464.2	305.2	17857	-8.9	0.3	342.5
		Viento +X exc.+	-21.8	14.0	1.5	9.0	1.1	-0.0	-21.8	-1.0	-837.5	9.0	1.1	-346.7
		Viento +X exc.-	-21.6	14.0	0.0	9.0	0.1	0.0	-21.6	-0.9	-829.2	9.0	0.1	-345.9
		Viento -X exc.+	21.8	-14.0	-1.5	-9.0	-1.1	0.0	21.8	1.0	837.5	-9.0	-1.1	346.7
		Viento -X exc.-	21.6	-14.0	-0.0	-9.0	-0.1	0.0	21.6	0.9	829.2	-9.0	-0.1	345.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-2.8	-1.2	18.6	-0.9	10.9	0.1	-2.8	-3.1	-89.9	-0.9	10.9	44.2
		Viento +Y exc.-	-7.4	-0.4	45.0	-0.3	27.3	0.0	-7.4	-5.4	-238.7	-0.3	27.3	29.8
		Viento -Y exc.+	2.8	1.2	-18.6	0.9	-10.9	-0.1	2.8	3.1	89.9	0.9	-10.9	-44.2
		Viento -Y exc.-	7.4	0.4	-45.0	0.3	-27.3	-0.0	7.4	5.4	238.7	0.3	-27.3	-29.8
P18 [8.738;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1548.4	18.1	-16.9	11.1	-10.4	0.0	1548.4	13548	59542	11.1	-10.4	-519.1
		Cargas muertas	581.0	6.5	-9.9	4.3	-6.2	0.0	581.0	5083.5	22340	4.3	-6.2	-218.4
		H 1	-0.1	0.0	-0.0	0.0	0.0	0.0	-0.1	-1.2	-5.2	0.0	0.0	-0.0
		Sobrecarga de uso	664.4	6.3	-6.0	3.9	-3.8	0.0	664.4	5812.2	25552	3.9	-3.8	-183.3
		Viento +X exc.+	5.1	22.1	1.0	14.2	0.9	-0.0	5.1	66.6	197.1	14.2	0.9	-540.4
		Viento +X exc.-	5.6	22.0	-0.4	14.2	-0.0	0.0	5.6	70.6	213.5	14.2	-0.0	-546.2
		Viento -X exc.+	-5.1	-22.1	-1.0	-14.2	-0.9	0.0	-5.1	-66.6	-197.1	-14.2	-0.9	540.4
		Viento -X exc.-	-5.6	-22.0	0.4	-14.2	0.0	0.0	-5.6	-70.6	-213.5	-14.2	0.0	546.2
		Viento +Y exc.+	-10.6	-2.3	25.9	-1.8	15.1	0.2	-10.6	-94.5	-380.4	-1.8	15.1	199.8
		Viento +Y exc.-	-18.7	-1.3	50.4	-0.9	30.4	0.0	-18.7	-165.1	-670.4	-0.9	30.4	301.3
		Viento -Y exc.+	10.6	2.3	-25.9	1.8	-15.1	-0.2	10.6	94.5	380.4	1.8	-15.1	-199.8
		Viento -Y exc.-	18.7	1.3	-50.4	0.9	-30.4	-0.0	18.7	165.1	670.4	0.9	-30.4	-301.3
P19 [16.738;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1683.1	-0.0	0.4	-0.1	0.1	0.0	1683.1	28172	64742	-0.1	0.1	6.8
		Cargas muertas	670.8	0.5	-1.2	0.2	-1.0	0.0	670.8	11228	25799	0.2	-1.0	-24.3
		H 1	-0.1	-0.0	-0.0	0.0	0.0	0.0	-0.1	-1.3	-3.0	-0.0	0.0	0.1
		Sobrecarga de uso	736.8	0.3	1.0	0.1	0.5	0.0	736.8	12333	28342	0.1	0.5	5.3
		Viento +X exc.+	0.1	23.9	1.5	15.4	1.1	-0.0	0.1	25.3	4.6	15.4	1.1	-573.2
		Viento +X exc.-	0.1	23.8	0.1	15.3	0.2	0.0	0.1	25.0	2.8	15.3	0.2	-584.0
		Viento -X exc.+	-0.1	-23.9	-1.5	-15.4	-1.1	0.0	-0.1	-25.3	-4.6	-15.4	-1.1	573.2
		Viento -X exc.-	-0.1	-23.8	-0.1	-15.3	-0.2	0.0	-0.1	-25.0	-2.8	-15.3	-0.2	584.0
		Viento +Y exc.+	0.9	-1.9	36.1	-1.5	21.5	0.2	0.9	12.6	69.4	-1.5	21.5	418.8
		Viento +Y exc.-	1.0	-0.0	59.4	-0.1	35.9	0.0	1.0	17.0	98.6	-0.1	35.9	605.7
		Viento -Y exc.+	-0.9	1.9	-36.1	1.5	-21.5	-0.2	-0.9	-12.6	-69.4	1.5	-21.5	-418.8
		Viento -Y exc.-	-1.0	0.0	-59.4	0.1	-35.9	-0.0	-1.0	-17.0	-98.6	0.1	-35.9	-605.7
P20 [24.738;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1418.9	-3.2	-15.2	-2.1	-9.5	0.0	1418.9	35098	54564	-2.1	-9.5	-155.0
		Cargas muertas	543.7	-1.6	-8.6	-1.1	-5.5	0.0	543.7	13448	20904	-1.1	-5.5	-94.0
		H 1	-0.1	-0.0	-0.0	0.0	0.0	0.0	-0.1	-1.8	-2.8	0.0	0.0	0.0
		Sobrecarga de uso	606.3	-1.2	-5.2	-0.7	-3.3	0.0	606.3	14997	23316	-0.7	-3.3	-53.8
		Viento +X exc.+	-5.6	21.4	1.1	13.8	0.8	-0.0	-5.6	-116.0	-212.4	13.8	0.8	-511.9
		Viento +X exc.-	-5.4	21.3	0.2	13.8	0.3	0.0	-5.4	-112.9	-208.5	13.8	0.3	-523.3
		Viento -X exc.+	5.6	-21.4	-1.1	-13.8	-0.8	0.0	5.6	116.0	212.4	-13.8	-0.8	511.9
		Viento -X exc.-	5.4	-21.3	-0.2	-13.8	-0.3	0.0	5.4	112.9	208.5	-13.8	-0.3	523.3
		Viento +Y exc.+	2.7	-2.5	35.4	-2.0	21.2	0.2	2.7	63.5	138.0	-2.0	21.2	600.8
		Viento +Y exc.-	0.7	-1.3	50.7	-1.0	30.7	0.0	0.7	16.1	77.8	-1.0	30.7	796.2
		Viento -Y exc.+	-2.7	2.5	-35.4	2.0	-21.2	-0.2	-2.7	-63.5	-138.0	2.0	-21.2	-600.8
		Viento -Y exc.-	-0.7	1.3	-50.7	1.0	-30.7	-0.0	-0.7	-16.1	-77.8	1.0	-30.7	-796.2
P21 [32.738;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	508.2	8.3	-9.6	3.8	-11.5	0.1	508.2	16645	19537	3.8	-11.5	-521.6
		Cargas muertas	171.3	4.7	-5.8	1.6	-8.7	0.1	171.3	5613.6	6584.3	1.6	-8.7	-344.9
		H 1	-0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.1	-3.9	-4.6	-0.0	-0.0	-0.3
		Sobrecarga de uso	187.0	3.8	-3.9	1.6	-5.0	0.1	187.0	6124.3	7187.3	1.6	-5.0	-225.1
		Viento +X exc.+	-27.9	12.8	-1.9	9.9	0.8	0.2	-27.9	-899.1	-1073	9.9	0.8	-353.9
		Viento +X exc.-	-29.1	12.8	-2.1	9.6	0.2	0.2	-29.1	-941.3	-1123	9.6	0.2	-366.0
		Viento -X exc.+	27.9	-12.8	1.9	-9.9	-0.8	-0.2	27.9	899.1	1073.3	-9.9	-0.8	353.9
		Viento -X exc.-	29.1	-12.8	2.1	-9.6	-0.2	-0.2	29.1	941.3	1123.1	-9.6	-0.2	366.0
		Viento +Y exc.+	274.1	-8.4	18.8	4.4	43.3	-0.2	274.1	8965.3	10562	4.4	43.3	1247.3
		Viento +Y exc.-	318.1	-8.7	23.3	8.7	54.8	-0.4	318.1	10407	12261	8.7	54.8	1458.9
		Viento -Y exc.+	-274.1	8.4	-18.8	-4.4	-43.3	0.2	-274.1	-8965	-10562	-4.4	-43.3	-1247
		Viento -Y exc.-	-318.1	8.7	-23.3	-8.7	-54.8	0.4	-318.1	-10407	-12261	-8.7	-54.8	-1459
P22 [40.675;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	494.8	-6.9	-8.6	-3.3	-10.2	-0.0	494.8	20117	19022	-3.3	-10.2	-285.3
		Cargas muertas	173.8	-3.8	-5.1	-1.5	-7.6	-0.1	173.8	7065.7	6680.3	-1.5	-7.6	-253.7
		H 1	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	-8.1	-7.7	0.0	-0.0	-1.3
		Sobrecarga de uso	172.0	-3.3	-3.9	-1.3	-5.4	-0.0	172.0	6994.5	6613.7	-1.3	-5.4	-168.2
		Viento +X exc.+	-11.0	13.6	2.3	10.4	-0.0	0.2	-11.0	-434.9	-421.9	10.4	-0.0	-401.1
		Viento +X exc.-	-13.9	13.5	2.1	10.3	-0.5	0.2	-13.9	-551.5	-532.2	10.3	-0.5	-416.1
		Viento -X exc.+	11.0	-13.6	-2.3	-10.4	0.0	-0.2	11.0	434.9	421.9	-10.4	0.0	401.1
		Viento -X exc.-	13.9	-13.5	-2.1	-10.3	0.5	-0.2	13.9	551.5	532.2	-10.3	0.5	416.1
		Viento +Y exc.+	206.9	6.5	19.8	-10.3	47.5	0.5	206.9	8420.7	7976.9	-10.3	47.5	2328.5
		Viento +Y exc.-	261.9	8.9	23.1	-9.4	54.6	0.4	261.9	10662	10097	-9.4	54.6	2583.3
		Viento -Y exc.+	-206.9	-6.5	-19.8	10.3	-47.5	-0.5	-206.9	-8421	-7977	10.3	-47.5	-2329
		Viento -Y exc.-	-261.9	-8.9	-23.1	9.4	-54.6	-0.4	-261.9	-10662	-10097	9.4	-54.6	-2583
P23 [48.738;38.465;0.0 grados]	14.20/17.45	Peso propio	1581.6	-15.6	-15.0	-9.8	-9.7	0.0	1581.6	77067	60820	-9.8	-9.7	-97.4





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(50x50)		Cargas muertas	597.3	-5.7	-7.6	-3.4	-5.1	0.0	597.3	29104	22966	-3.4	-5.1	-118.2
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-3.5	-2.8	0.0	-0.0	-0.1
		Sobrecarga de uso	659.6	-4.1	-4.7	-2.7	-3.1	0.0	659.6	32144	25367	-2.7	-3.1	-49.0
		Viento +X exc.+	9.6	18.2	0.2	12.0	0.1	-0.0	9.6	488.4	371.3	12.0	0.1	-453.6
		Viento +X exc.-	9.6	18.1	0.1	11.9	0.1	0.0	9.6	486.6	369.8	11.9	0.1	-454.8
		Viento -X exc.+	-9.6	-18.2	-0.2	-12.0	-0.1	0.0	-9.6	-488.4	-371.3	-12.0	-0.1	453.6
		Viento -X exc.-	-9.6	-18.1	-0.1	-11.9	-0.1	0.0	-9.6	-486.6	-369.8	-11.9	-0.1	454.8
		Viento +Y exc.+	1.5	0.4	51.6	-0.2	31.7	0.2	1.5	75.3	110.8	-0.2	31.7	1552.3
		Viento +Y exc.-	2.2	1.7	53.6	0.9	32.8	0.0	2.2	111.1	139.9	0.9	32.8	1563.5
		Viento -Y exc.+	-1.5	-0.4	-51.6	0.2	-31.7	-0.2	-1.5	-75.3	-110.8	0.2	-31.7	-1552
P24 [56.738;38.465;0.0 grados] (50x50)	14.20/17.45	Cargas muertas	574.3	6.1	-6.8	3.9	-4.8	0.0	574.3	32588	22082	3.9	-4.8	-421.4
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-4.3	-3.0	0.0	-0.0	-0.1
		Sobrecarga de uso	636.3	4.9	-5.3	3.1	-3.4	0.0	636.3	36107	24470	3.1	-3.4	-313.9
		Viento +X exc.+	-0.4	21.3	0.2	13.8	0.1	-0.0	-0.4	-2.8	-16.1	13.8	0.1	-527.0
		Viento +X exc.-	-0.4	21.2	0.3	13.7	0.1	0.0	-0.4	-2.3	-15.6	13.7	0.1	-520.0
		Viento -X exc.+	0.4	-21.3	-0.2	-13.8	-0.1	0.0	0.4	2.8	16.1	-13.8	-0.1	527.0
		Viento -X exc.-	0.4	-21.2	-0.3	-13.7	-0.1	0.0	0.4	2.3	15.6	-13.7	-0.1	520.0
		Viento +Y exc.+	-12.3	-1.9	57.6	-1.6	35.4	0.2	-12.3	-700.5	-416.0	-1.6	35.4	2072.2
		Viento +Y exc.-	-12.3	-0.4	55.3	-0.5	33.8	0.0	-12.3	-699.3	-418.5	-0.5	33.8	1938.6
		Viento -Y exc.+	12.3	1.9	-57.6	1.6	-35.4	-0.2	12.3	700.5	416.0	1.6	-35.4	-2072
P25 [64.738;38.465;0.0 grados] (50x50)	14.20/17.45	Cargas muertas	663.3	0.3	1.1	0.1	0.0	0.0	663.3	42938	25513	0.1	0.0	-2.5
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-5.2	-3.1	0.0	-0.0	-0.1
		Sobrecarga de uso	731.1	0.1	1.2	0.0	0.5	0.0	731.1	47331	28123	0.0	0.5	34.3
		Viento +X exc.+	-0.9	22.6	0.2	14.6	0.0	-0.0	-0.9	-33.4	-33.1	14.6	0.0	-559.3
		Viento +X exc.-	-0.9	22.5	0.6	14.5	0.3	0.0	-0.9	-33.8	-32.9	14.5	0.3	-540.2
		Viento -X exc.+	0.9	-22.6	-0.2	-14.6	-0.0	0.0	0.9	33.4	33.1	-14.6	-0.0	559.3
		Viento -X exc.-	0.9	-22.5	-0.6	-14.5	-0.3	0.0	0.9	33.8	32.9	-14.5	-0.3	540.2
		Viento +Y exc.+	0.1	-1.2	66.5	-1.2	41.3	0.2	0.1	4.1	69.7	-1.2	41.3	2717.9
		Viento +Y exc.-	0.3	0.3	59.4	0.0	36.7	0.0	0.3	17.0	69.3	0.0	36.7	2372.0
		Viento -Y exc.+	-0.1	1.2	-66.5	1.2	-41.3	-0.2	-0.1	-4.1	-69.7	1.2	-41.3	-2718
P26 [72.738;38.465;0.0 grados] (50x50)	14.20/17.45	Cargas muertas	599.6	-4.4	-2.8	-2.8	-2.6	0.0	599.6	43612	23062	-2.8	-2.6	-78.1
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-5.5	-2.9	0.0	-0.0	-0.2
		Sobrecarga de uso	663.0	-3.6	-2.3	-2.3	-1.7	0.0	663.0	48221	25499	-2.3	-1.7	-35.3
		Viento +X exc.+	-3.1	20.8	0.4	13.5	0.1	-0.0	-3.1	-201.0	-116.9	13.5	0.1	-513.4
		Viento +X exc.-	-3.2	20.8	1.0	13.5	0.5	0.0	-3.2	-208.5	-120.2	13.5	0.5	-482.5
		Viento -X exc.+	3.1	-20.8	-0.4	-13.5	-0.1	0.0	3.1	201.0	116.9	-13.5	-0.1	513.4
		Viento -X exc.-	3.2	-20.8	-1.0	-13.5	-0.5	0.0	3.2	208.5	120.2	-13.5	-0.5	482.5
		Viento +Y exc.+	-15.2	-0.2	67.4	-0.6	41.9	0.2	-15.2	-1106	-517.3	-0.6	41.9	3069.1
		Viento +Y exc.-	-13.3	0.9	56.3	0.4	34.8	0.0	-13.3	-962.9	-453.4	0.4	34.8	2515.5
		Viento -Y exc.+	15.2	0.2	-67.4	0.6	-41.9	-0.2	15.2	1105.8	517.3	0.6	-41.9	-3069
P27 [80.738;38.465;0.0 grados] (50x50)	14.20/17.45	Cargas muertas	670.5	0.4	2.9	0.1	1.0	0.0	670.5	54138	25795	0.1	1.0	75.1
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-6.9	-3.3	0.0	-0.0	-0.1
		Sobrecarga de uso	740.8	0.1	2.2	-0.0	1.2	0.0	740.8	59811	28497	-0.0	1.2	93.7
		Viento +X exc.+	1.3	22.9	0.0	14.8	-0.2	-0.0	1.3	125.5	48.9	14.8	-0.2	-585.4
		Viento +X exc.-	1.3	22.8	0.9	14.8	0.4	0.0	1.3	124.8	49.5	14.8	0.4	-534.7
		Viento -X exc.+	-1.3	-22.9	-0.0	-14.8	0.2	0.0	-1.3	-125.5	-48.9	-14.8	0.2	585.4
		Viento -X exc.-	-1.3	-22.8	-0.9	-14.8	-0.4	0.0	-1.3	-124.8	-49.5	-14.8	-0.4	534.7
		Viento +Y exc.+	0.6	-2.5	77.5	-1.9	48.4	0.2	0.6	43.1	99.2	-1.9	48.4	3982.8
		Viento +Y exc.-	0.6	-0.8	61.0	-0.6	37.9	0.0	0.6	48.2	84.3	-0.6	37.9	3079.9
		Viento -Y exc.+	-0.6	2.5	-77.5	1.9	-48.4	-0.2	-0.6	-43.1	-99.2	1.9	-48.4	-3983
P28 [88.738;38.465;0.0 grados] (50x50)	14.20/17.45	Cargas muertas	587.4	-4.0	-4.4	-2.6	-3.6	0.0	587.4	52125	22592	-2.6	-3.6	-221.9
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-6.8	-3.0	0.0	-0.0	-0.3
		Sobrecarga de uso	648.8	-3.3	-4.1	-2.1	-2.8	0.0	648.8	57570	24952	-2.1	-2.8	-164.3
		Viento +X exc.+	-3.9	21.4	-0.2	13.8	-0.3	-0.0	-3.9	-329.0	-152.1	13.8	-0.3	-558.4
		Viento +X exc.-	-4.2	21.3	0.9	13.7	0.4	0.0	-4.2	-348.6	-159.4	13.7	0.4	-492.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	3.9	-21.4	0.2	-13.8	0.3	0.0	3.9	329.0	152.1	-13.8	0.3	558.4
		Viento -X exc.-	4.2	-21.3	-0.9	-13.7	-0.4	0.0	4.2	348.6	159.4	-13.7	-0.4	492.1
		Viento +Y exc.+	-16.8	-0.7	79.7	-0.7	49.4	0.2	-16.8	-1493	-567.3	-0.7	49.4	4407.0
		Viento +Y exc.-	-12.7	0.5	59.3	0.3	36.5	0.0	-12.7	-1129	-430.2	0.3	36.5	3230.8
		Viento -Y exc.+	16.8	0.7	-79.7	0.7	-49.4	-0.2	16.8	1493.4	567.3	0.7	-49.4	-4407
		Viento -Y exc.-	12.7	-0.5	-59.3	-0.3	-36.5	-0.0	12.7	1128.9	430.2	-0.3	-36.5	-3231
P29 [96.738;38.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1673.7	1.2	6.2	0.6	3.1	0.0	1673.7	161910	64384	0.6	3.1	274.1
		Cargas muertas	675.0	1.2	4.5	0.6	1.8	0.0	675.0	65295	25966	0.6	1.8	155.1
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-9.1	-3.6	0.0	-0.0	-0.1
		Sobrecarga de uso	746.4	0.7	3.1	0.4	1.7	0.0	746.4	72205	28713	0.4	1.7	151.6
		Viento +X exc.+	-0.1	24.9	-0.6	16.0	-0.6	-0.0	-0.1	12.1	-5.6	16.0	-0.6	-672.1
		Viento +X exc.-	-0.1	24.8	1.0	15.9	0.4	0.0	-0.1	11.3	-4.3	15.9	0.4	-571.3
		Viento -X exc.+	0.1	-24.9	0.6	-16.0	0.6	0.0	0.1	-12.1	5.6	-16.0	0.6	672.1
		Viento -X exc.-	0.1	-24.8	-1.0	-15.9	-0.4	0.0	0.1	-11.3	4.3	-15.9	-0.4	571.3
		Viento +Y exc.+	-0.1	-1.7	97.3	-1.4	60.5	0.2	-0.1	-15.9	91.7	-1.4	60.5	5905.7
		Viento +Y exc.-	0.1	-0.0	68.8	-0.2	42.6	0.0	0.1	9.9	72.8	-0.2	42.6	4124.6
		Viento -Y exc.+	0.1	1.7	-97.3	1.4	-60.5	-0.2	0.1	15.9	-91.7	1.4	-60.5	-5906
		Viento -Y exc.-	-0.1	0.0	-68.8	0.2	-42.6	-0.0	-0.1	-9.9	-72.8	0.2	-42.6	-4125
		Peso propio	1606.0	0.9	-4.1	0.5	-3.5	0.0	1606.0	168212	61771	0.5	-3.5	-385.3
		Cargas muertas	601.7	3.1	-1.7	1.9	-2.1	0.0	601.7	63024	23143	1.9	-2.1	-293.7
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-5.5	-2.1	0.0	-0.0	-0.6
P31 [112.738;38.465;0.0 grados] (50x50)	14.20/17.45	Sobrecarga de uso	640.3	2.8	-2.5	1.7	-1.8	0.0	640.3	67063	24625	1.7	-1.8	-252.3
		Viento +X exc.+	6.1	21.0	-1.0	13.6	-0.9	-0.0	6.1	656.9	232.5	13.6	-0.9	-617.9
		Viento +X exc.-	5.5	20.9	0.7	13.5	0.2	0.0	5.5	601.6	214.0	13.5	0.2	-500.8
		Viento -X exc.+	-6.1	-21.0	1.0	-13.6	0.9	0.0	-6.1	-656.9	-232.5	-13.6	0.9	617.9
		Viento -X exc.-	-5.5	-20.9	-0.7	-13.5	-0.2	0.0	-5.5	-601.6	-214.0	-13.5	-0.2	500.8
		Viento +Y exc.+	-16.8	-2.9	93.7	-2.1	58.4	0.2	-16.8	-1758	-550.8	-2.1	58.4	6200.2
		Viento +Y exc.-	-8.0	-1.1	63.2	-0.8	39.2	0.0	-8.0	-836.4	-243.6	-0.8	39.2	4136.2
		Viento -Y exc.+	16.8	2.9	-93.7	2.1	-58.4	-0.2	16.8	1757.8	550.8	2.1	-58.4	-6200
		Viento -Y exc.-	8.0	1.1	-63.2	0.8	-39.2	-0.0	8.0	836.4	243.6	0.8	-39.2	-4136
		Peso propio	1724.7	-0.0	9.2	0.3	4.7	0.0	1724.7	194436	66348	0.3	4.7	513.0
		Cargas muertas	680.9	3.7	8.4	2.3	4.1	0.0	680.9	76768	26199	2.3	4.1	375.3
		H 1	-0.1	0.0	-0.0	0.0	-0.0	0.0	-0.1	-14.1	-4.8	0.0	-0.0	-0.9
		Sobrecarga de uso	722.4	0.7	4.2	0.5	2.4	0.0	722.4	81445	27792	0.5	2.4	247.7
		Viento +X exc.+	-8.2	22.5	-0.9	14.6	-0.9	-0.0	-8.2	-907.0	-318.1	14.6	-0.9	-664.0
P32 [120.738;38.465;0.0 grados] (Diámetro 60)	14.20/17.45	Viento +X exc.-	-8.4	22.4	1.1	14.5	0.4	0.0	-8.4	-924.5	-321.9	14.5	0.4	-513.6
		Viento -X exc.+	8.2	-22.5	0.9	-14.6	0.9	0.0	8.2	907.0	318.1	-14.6	0.9	664.0
		Viento -X exc.-	8.4	-22.4	-1.1	-14.5	-0.4	0.0	8.4	924.5	321.9	-14.5	-0.4	513.6
		Viento +Y exc.+	-7.3	-1.4	103.5	-1.3	64.8	0.2	-7.3	-826.2	-178.0	-1.3	64.8	7356.8
		Viento +Y exc.-	-4.0	0.0	66.8	-0.1	41.7	0.0	-4.0	-449.0	-86.4	-0.1	41.7	4706.7
		Viento -Y exc.+	7.3	1.4	-103.5	1.3	-64.8	-0.2	7.3	826.2	178.0	1.3	-64.8	-7357
		Viento -Y exc.-	4.0	-0.0	-66.8	0.1	-41.7	-0.0	4.0	449.0	86.4	0.1	-41.7	-4707
		Peso propio	1152.4	42.8	5.0	23.1	2.0	0.0	1152.4	139183	44333	23.1	2.0	-643.4
		Cargas muertas	748.7	-18.0	5.2	-13.5	2.3	0.0	748.7	90376	28803	-13.5	2.3	795.7
		H 1	0.2	0.1	-0.1	0.0	-0.0	0.0	0.2	29.5	9.3	0.0	-0.0	-5.5
		Sobrecarga de uso	466.8	14.6	1.0	7.6	0.5	0.0	466.8	56371	17955	7.6	0.5	-225.9
		Viento +X exc.+	24.0	16.5	-0.8	11.3	-1.0	-0.0	24.0	2911.2	921.4	11.3	-1.0	-556.5
		Viento +X exc.-	23.6	16.4	1.6	11.2	0.6	0.0	23.6	2870.1	910.8	11.2	0.6	-358.6
		Viento -X exc.+	-24.0	-16.5	0.8	-11.3	1.0	0.0	-24.0	-2911	-921.4	-11.3	1.0	556.5
P33 [0.688;31.965;0.0 grados] (50x50)	14.20/17.45	Viento -X exc.-	-23.6	-16.4	-1.6	-11.2	-0.6	0.0	-23.6	-2870	-910.8	-11.2	-0.6	358.6
		Viento +Y exc.+	-12.8	-1.5	114.9	-1.3	74.9	0.3	-12.8	-1543	-376.3	-1.3	74.9	9089.1
		Viento +Y exc.-	-6.8	-0.4	71.3	-0.3	46.3	0.0	-6.8	-818.7	-189.4	-0.3	46.3	5602.4
		Viento -Y exc.+	12.8	1.5	-114.9	1.3	-74.9	-0.3	12.8	1543.3	376.3	1.3	-74.9	-9089
		Viento -Y exc.-	6.8	0.4	-71.3	0.3	-46.3	-0.0	6.8	818.7	189.4	0.3	-46.3	-5602
		Peso propio	1164.5	-25.7	2.1	-20.6	1.1	0.0	1164.5	775.3	37225	-20.6	1.1	658.6
		Cargas muertas	774.6	20.6	-0.2	9.0	0.0	0.0	774.6	553.4	24760	9.0	0.0	-288.9
		H 1	-0.0	-0.1	0.0	-0.1	0.0	0.0	-0.0	-0.1	-0.2	-0.1	0.0	1.9
		Sobrecarga de uso	484.7	-9.6	0.1	-7.9	-0.0	0.0	484.7	323.8	15492	-7.9	-0.0	252.8
		Viento +X exc.+	-24.4	14.9	1.5	10.2	1.2	-0.0	-24.4	-1.9	-778.9	10.2	1.2	-324.4
		Viento +X exc.-	-25.1	15.0	-0.2	10.2	0.1	0.0	-25.1	-2.3	-802.1	10.2	0.1	-326.8
		Viento -X exc.+	24.4	-14.9	-1.5	-10.2	-1.2	0.0	24.4	1.9	778.9	-10.2	-1.2	324.4
		Viento -X exc.-	25.1	-15.0	0.2	-10.2	-0.1	0.0	25.1	2.3	802.1	-10.2	-0.1	326.8
		Viento +Y exc.+	11.5	1.8	20.5	0.8	11.9	0.2	11.5	9.7	388.8	0.8	11.9	-17.8
		Viento +Y exc.-	23.3	0.1	50.0	-0.1	30.5	0.0	23.3	16.1	793.2	-0.1	30.5	23.5
		Viento -Y exc.+	-11.5	-1.8	-20.5	-0.8	-11.9	-0.2	-11.5	-9.7	-388.8	-0.8	-11.9	17.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-23.3	-0.1	-50.0	0.1	-30.5	-0.0	-23.3	-16.1	-793.2	0.1	-30.5	-23.5
P34 [8.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1678.0	5.1	4.6	3.4	2.6	0.0	1678.0	14667	53642	3.4	2.6	-87.1
		Cargas muertas	631.9	1.0	3.2	0.9	2.0	0.0	631.9	5522.3	20201	0.9	2.0	-11.8
		H 1	-0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.1	-1.0	-3.7	-0.0	-0.0	-0.0
		Sobrecarga de uso	722.4	1.7	1.2	1.1	0.6	0.0	722.4	6314.2	23094	1.1	0.6	-30.4
		Viento +X exc.+	2.2	25.4	2.2	16.3	1.5	-0.0	2.2	44.7	72.7	16.3	1.5	-508.1
		Viento +X exc.-	1.6	25.5	0.5	16.4	0.5	0.0	1.6	39.9	53.0	16.4	0.5	-518.9
		Viento -X exc.+	-2.2	-25.4	-2.2	-16.3	-1.5	0.0	-2.2	-44.7	-72.7	-16.3	-1.5	508.1
		Viento -X exc.-	-1.6	-25.5	-0.5	-16.4	-0.5	0.0	-1.6	-39.9	-53.0	-16.4	-0.5	518.9
		Viento +Y exc.+	11.7	2.9	30.6	1.5	18.0	0.2	11.7	105.5	406.0	1.5	18.0	108.4
		Viento +Y exc.-	21.4	1.1	59.6	0.6	36.0	0.0	21.4	188.5	745.0	0.6	36.0	295.3
		Viento -Y exc.+	-11.7	-2.9	-30.6	-1.5	-18.0	-0.2	-11.7	-105.5	-406.0	-1.5	-18.0	-108.4
		Viento -Y exc.-	-21.4	-1.1	-59.6	-0.6	-36.0	-0.0	-21.4	-188.5	-745.0	-0.6	-36.0	-295.3
P35 [16.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1635.8	1.6	5.9	0.6	3.1	0.0	1635.8	27381	52293	0.6	3.1	31.4
		Cargas muertas	642.5	2.5	2.9	1.2	1.7	0.0	642.5	10757	20541	1.2	1.7	-8.1
		H 1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.2	-0.0	-0.0	0.0
		Sobrecarga de uso	713.3	1.1	0.8	0.5	0.4	0.0	713.3	11940	22801	0.5	0.4	-8.9
		Viento +X exc.+	-0.4	24.7	1.3	15.9	1.0	-0.0	-0.4	18.1	-11.3	15.9	1.0	-491.6
		Viento +X exc.-	-0.8	24.8	-0.0	16.0	0.1	0.0	-0.8	11.5	-25.5	16.0	0.1	-507.7
		Viento -X exc.+	0.4	-24.7	-1.3	-15.9	-1.0	0.0	0.4	-18.1	11.3	-15.9	-1.0	491.6
		Viento -X exc.-	0.8	-24.8	0.0	-16.0	-0.1	0.0	0.8	-11.5	25.5	-16.0	-0.1	507.7
		Viento +Y exc.+	13.2	2.2	36.2	1.2	21.6	0.2	13.2	222.4	456.6	1.2	21.6	324.6
		Viento +Y exc.-	20.0	0.1	59.5	0.0	36.1	0.0	20.0	335.4	699.8	0.0	36.1	602.1
		Viento -Y exc.+	-13.2	-2.2	-36.2	-1.2	-21.6	-0.2	-13.2	-222.4	-456.6	-1.2	-21.6	-324.6
		Viento -Y exc.-	-20.0	-0.1	-59.5	-0.0	-36.1	-0.0	-20.0	-335.4	-699.8	-0.0	-36.1	-602.1
P37 [48.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1757.0	-16.2	14.4	-11.4	7.4	0.0	1757.0	85614	56175	-11.4	7.4	726.6
		Cargas muertas	658.9	5.7	12.3	2.3	6.3	0.0	658.9	32119	21074	2.3	6.3	235.6
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	722.5	-1.6	4.8	-1.7	2.5	0.0	722.5	35209	23098	-1.7	2.5	175.6
		Viento +X exc.+	9.2	19.8	0.8	13.2	0.6	-0.0	9.2	467.6	294.5	13.2	0.6	-393.9
		Viento +X exc.-	9.2	19.9	0.7	13.2	0.5	0.0	9.2	466.8	293.7	13.2	0.5	-400.3
		Viento -X exc.+	-9.2	-19.8	-0.8	-13.2	-0.6	0.0	-9.2	-467.6	-294.5	-13.2	-0.6	393.9
		Viento -X exc.-	-9.2	-19.9	-0.7	-13.2	-0.5	0.0	-9.2	-466.8	-293.7	-13.2	-0.5	400.3
		Viento +Y exc.+	5.1	0.7	60.6	0.4	37.3	0.2	5.1	248.5	223.1	0.4	37.3	1804.2
		Viento +Y exc.-	5.2	-1.2	63.1	-0.6	38.7	0.0	5.2	253.6	230.2	-0.6	38.7	1905.5
		Viento -Y exc.+	-5.1	-0.7	-60.6	-0.4	-37.3	-0.2	-5.1	-248.5	-223.1	-0.4	-37.3	-1804
		Viento -Y exc.-	-5.2	1.2	-63.1	0.6	-38.7	-0.0	-5.2	-253.6	-230.2	0.6	-38.7	-1906
P38 [56.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1614.3	2.4	9.2	1.8	4.9	0.0	1614.3	91596	51611	1.8	4.9	221.4
		Cargas muertas	604.9	-1.1	5.9	-0.5	3.2	0.0	604.9	34318	19340	-0.5	3.2	197.2
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.2	-0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	688.6	-0.3	2.5	-0.0	1.4	0.0	688.6	39070	22014	-0.0	1.4	81.2
		Viento +X exc.+	-3.1	24.2	0.8	15.6	0.4	-0.0	-3.1	-153.9	-99.6	15.6	0.4	-476.0
		Viento +X exc.-	-3.2	24.4	0.9	15.7	0.5	0.0	-3.2	-156.3	-100.9	15.7	0.5	-472.8
		Viento -X exc.+	3.1	-24.2	-0.8	-15.6	-0.4	0.0	3.1	153.9	99.6	-15.6	-0.4	476.0
		Viento -X exc.-	3.2	-24.4	-0.9	-15.7	-0.5	0.0	3.2	156.3	100.9	-15.7	-0.5	472.8
		Viento +Y exc.+	8.4	3.0	67.1	1.6	41.3	0.2	8.4	480.1	335.9	1.6	41.3	2290.8
		Viento +Y exc.-	8.7	0.9	64.4	0.5	39.5	0.0	8.7	497.2	344.0	0.5	39.5	2222.3
		Viento -Y exc.+	-8.4	-3.0	-67.1	-1.6	-41.3	-0.2	-8.4	-480.1	-335.9	-1.6	-41.3	-2291
		Viento -Y exc.-	-8.7	-0.9	-64.4	-0.5	-39.5	-0.0	-8.7	-497.2	-344.0	-0.5	-39.5	-2222
P39 [64.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1629.2	1.4	11.6	0.5	6.2	0.0	1629.2	105473	52089	0.5	6.2	387.2
		Cargas muertas	638.4	1.0	7.3	0.4	4.0	0.0	638.4	41330	20414	0.4	4.0	243.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.4
		Sobrecarga de uso	717.2	0.4	2.9	0.1	1.7	0.0	717.2	46431	22929	0.1	1.7	105.8
		Viento +X exc.+	-0.6	23.3	0.2	15.2	0.0	-0.0	-0.6	-13.4	-17.9	15.2	0.0	-482.3
		Viento +X exc.-	-0.6	23.4	0.6	15.2	0.3	0.0	-0.6	-12.4	-17.1	15.2	0.3	-467.6
		Viento -X exc.+	0.6	-23.3	-0.2	-15.2	-0.0	0.0	0.6	13.4	17.9	-15.2	-0.0	482.3
		Viento -X exc.-	0.6	-23.4	-0.6	-15.2	-0.3	0.0	0.6	12.4	17.1	-15.2	-0.3	467.6
		Viento +Y exc.+	5.9	2.5	67.1	1.3	41.7	0.2	5.9	383.4	255.2	1.3	41.7	2655.5
		Viento +Y exc.-	5.6	0.4	59.9	0.3	37.0	0.0	5.6	364.2	239.5	0.3	37.0	2386.3
		Viento -Y exc.+	-5.9	-2.5	-67.1	-1.3	-41.7	-0.2	-5.9	-383.4	-255.2	-1.3	-41.7	-2655
		Viento -Y exc.-	-5.6	-0.4	-59.9	-0.3	-37.0	-0.0	-5.6	-364.2	-239.5	-0.3	-37.0	-2386
P40 [72.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1655.1	-0.1	12.1	-0.3	6.5	0.0	1655.1	120390	52918	-0.3	6.5	486.3
		Cargas muertas	642.8	-0.1	7.7	-0.2	4.2	0.0	642.8	46752	20553	-0.2	4.2	308.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.5
		Sobrecarga de uso	722.4	-0.4	3.1	-0.3	1.8	0.0	722.4	52542	23093	-0.3	1.8	143.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	0.6	23.3	-0.1	15.2	-0.2	-0.0	0.6	68.0	19.6	15.2	-0.2	-497.5
		Viento +X exc.-	0.7	23.4	0.6	15.2	0.3	0.0	0.7	71.2	21.6	15.2	0.3	-468.5
		Viento -X exc.+	-0.6	-23.3	0.1	-15.2	0.2	0.0	-0.6	-68.0	-19.6	-15.2	0.2	497.5
		Viento -X exc.-	-0.7	-23.4	-0.6	-15.2	-0.3	0.0	-0.7	-71.2	-21.6	-15.2	-0.3	468.5
		Viento +Y exc.+	3.0	2.6	72.6	1.4	45.2	0.2	3.0	219.4	167.9	1.4	45.2	3241.9
		Viento +Y exc.-	2.3	0.5	60.7	0.3	37.5	0.0	2.3	164.8	132.9	0.3	37.5	2720.0
		Viento -Y exc.+	-3.0	-2.6	-72.6	-1.4	-45.2	-0.2	-3.0	-219.4	-167.9	-1.4	-45.2	-3242
		Viento -Y exc.-	-2.3	-0.5	-60.7	-0.3	-37.5	-0.0	-2.3	-164.8	-132.9	-0.3	-37.5	-2720
P41 [80.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1607.7	0.7	12.5	0.2	6.7	0.0	1607.7	129800	51401	0.2	6.7	534.6
		Cargas muertas	630.2	0.8	7.9	0.4	4.2	0.0	630.2	50885	20153	0.4	4.2	325.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.5
		Sobrecarga de uso	712.3	0.3	3.1	0.1	1.7	0.0	712.3	57510	22772	0.1	1.7	136.2
		Viento +X exc.+	0.4	23.4	-0.3	15.2	-0.4	-0.0	0.4	57.5	13.2	15.2	-0.4	-515.9
		Viento +X exc.-	0.5	23.5	0.6	15.3	0.2	0.0	0.5	63.1	16.3	15.3	0.2	-469.3
		Viento -X exc.+	-0.4	-23.4	0.3	-15.2	0.4	0.0	-0.4	-57.5	-13.2	-15.2	0.4	515.9
		Viento -X exc.-	-0.5	-23.5	-0.6	-15.3	-0.2	0.0	-0.5	-63.1	-16.3	-15.3	-0.2	469.3
		Viento +Y exc.+	6.6	2.2	78.7	1.1	49.0	0.2	6.6	534.8	289.6	1.1	49.0	3923.4
		Viento +Y exc.-	5.6	0.2	61.9	0.1	38.4	0.0	5.6	451.0	240.4	0.1	38.4	3093.5
		Viento -Y exc.+	-6.6	-2.2	-78.7	-1.1	-49.0	-0.2	-6.6	-534.8	-289.6	-1.1	-49.0	-3923
		Viento -Y exc.-	-5.6	-0.2	-61.9	-0.1	-38.4	-0.0	-5.6	-451.0	-240.4	-0.1	-38.4	-3094
P42 [88.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1615.2	2.1	11.0	1.0	5.8	0.0	1615.2	143332	51641	1.0	5.8	483.4
		Cargas muertas	615.2	0.8	8.0	0.3	4.3	0.0	615.2	54591	19672	0.3	4.3	369.9
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.1	0.0	-0.0	-0.6
		Sobrecarga de uso	695.5	0.2	3.0	0.1	1.7	0.0	695.5	61719	22235	0.1	1.7	150.8
		Viento +X exc.+	-1.1	24.0	-0.7	15.5	-0.7	-0.0	-1.1	-72.2	-35.4	15.5	-0.7	-555.9
		Viento +X exc.-	-0.9	24.2	0.6	15.6	0.2	0.0	-0.9	-58.4	-29.2	15.6	0.2	-483.1
		Viento -X exc.+	1.1	-24.0	0.7	-15.5	0.7	0.0	1.1	72.2	35.4	-15.5	0.7	555.9
		Viento -X exc.-	0.9	-24.2	-0.6	-15.6	-0.2	0.0	0.9	58.4	29.2	-15.6	-0.2	483.1
		Viento +Y exc.+	9.4	2.7	93.1	1.4	57.5	0.2	9.4	839.8	394.7	1.4	57.5	5062.1
		Viento +Y exc.-	6.7	0.6	69.3	0.3	42.6	0.0	6.7	599.1	284.9	0.3	42.6	3772.7
		Viento -Y exc.+	-9.4	-2.7	-93.1	-1.4	-57.5	-0.2	-9.4	-839.8	-394.7	-1.4	-57.5	-5062
		Viento -Y exc.-	-6.7	-0.6	-69.3	-0.3	-42.6	-0.0	-6.7	-599.1	-284.9	-0.3	-42.6	-3773
P43 [96.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1622.9	2.7	11.5	1.4	5.9	0.0	1622.9	156999	51887	1.4	5.9	524.2
		Cargas muertas	636.2	1.8	7.6	0.9	4.0	0.0	636.2	61547	20344	0.9	4.0	353.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-0.7
		Sobrecarga de uso	719.2	1.2	2.7	0.6	1.5	0.0	719.2	69579	22993	0.6	1.5	122.8
		Viento +X exc.+	-0.0	25.1	-0.8	16.1	-0.8	-0.0	-0.0	23.2	-1.5	16.1	-0.8	-588.8
		Viento +X exc.-	0.1	25.2	0.8	16.2	0.3	0.0	0.1	34.4	3.8	16.2	0.3	-493.1
		Viento -X exc.+	0.0	-25.1	0.8	-16.1	0.8	0.0	0.0	-23.2	1.5	-16.1	0.8	588.8
		Viento -X exc.-	-0.1	-25.2	-0.8	-16.2	-0.3	0.0	-0.1	-34.4	-3.8	-16.2	-0.3	493.1
		Viento +Y exc.+	7.6	2.0	96.4	1.0	60.1	0.2	7.6	741.1	340.6	1.0	60.1	5782.8
		Viento +Y exc.-	5.7	0.1	68.2	0.0	42.3	0.0	5.7	546.9	248.9	0.0	42.3	4093.5
		Viento -Y exc.+	-7.6	-2.0	-96.4	-1.0	-60.1	-0.2	-7.6	-741.1	-340.6	-1.0	-60.1	-5783
		Viento -Y exc.-	-5.7	-0.1	-68.2	-0.0	-42.3	-0.0	-5.7	-546.9	-248.9	-0.0	-42.3	-4093
P36 [24.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1575.6	-0.4	12.1	-0.0	6.2	0.0	1575.6	38977	50376	-0.0	6.2	154.8
		Cargas muertas	618.5	-7.6	11.6	-4.1	6.2	0.0	618.5	15293	19783	-4.1	6.2	284.4
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	668.3	-1.8	4.7	-0.9	2.5	0.0	668.3	16531	21367	-0.9	2.5	87.9
		Viento +X exc.+	-0.6	24.8	1.2	16.0	0.8	-0.0	-0.6	11.1	-16.5	16.0	0.8	-492.5
		Viento +X exc.-	-0.8	24.9	0.1	16.1	0.1	0.0	-0.8	5.0	-25.6	16.1	0.1	-511.0
		Viento -X exc.+	0.6	-24.8	-1.2	-16.0	-0.8	0.0	0.6	-11.1	16.5	-16.0	-0.8	492.5
		Viento -X exc.-	0.8	-24.9	-0.1	-16.1	-0.1	0.0	0.8	-5.0	25.6	-16.1	-0.1	511.0
		Viento +Y exc.+	4.1	3.7	44.0	2.0	26.7	0.2	4.1	105.6	175.7	2.0	26.7	597.7
		Viento +Y exc.-	8.4	2.0	62.8	1.0	38.3	0.0	8.4	208.7	330.0	1.0	38.3	915.0
		Viento -Y exc.+	-4.1	-3.7	-44.0	-2.0	-26.7	-0.2	-4.1	-105.6	-175.7	-2.0	-26.7	-597.7
		Viento -Y exc.-	-8.4	-2.0	-62.8	-1.0	-38.3	-0.0	-8.4	-208.7	-330.0	-1.0	-38.3	-915.0
P44 [104.738;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1724.6	-7.1	-7.2	-4.4	-5.3	0.0	1724.6	180621	55119	-4.4	-5.3	-411.6
		Cargas muertas	647.6	-2.2	3.4	-1.3	1.4	0.0	647.6	67824	20703	-1.3	1.4	189.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.6	0.2	0.0	-0.0	-0.7
		Sobrecarga de uso	709.1	-1.4	-1.1	-0.9	-0.7	0.0	709.1	74270	22666	-0.9	-0.7	-45.3
		Viento +X exc.+	-1.1	25.2	-0.7	16.2	-0.7	-0.0	-1.1	-87.0	-34.9	16.2	-0.7	-592.1
		Viento +X exc.-	-0.7	25.3	1.3	16.3	0.5	0.0	-0.7	-52.6	-22.4	16.3	0.5	-462.9
		Viento -X exc.+	1.1	-25.2	0.7	-16.2	0.7	0.0	1.1	87.0	34.9	-16.2	0.7	592.1
		Viento -X exc.-	0.7	-25.3	-1.3	-16.3	-0.5	0.0	0.7	52.6	22.4	-16.3	-0.5	462.9
		Viento +Y exc.+	3.7	2.3	108.7	1.2	67.2	0.2	3.7	387.5	226.2	1.2	67.2	7000.5



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P45 [112.738;31.965;0.0 grados] (50x50)	14.20/17.45	Viento +Y exc.-	-1.5	0.3	73.3	0.2	45.2	0.0	-1.5	-155.9	25.6	0.2	45.2	4724.1
		Viento -Y exc.+	-3.7	-2.3	-108.7	-1.2	-67.2	-0.2	-3.7	-387.5	-226.2	-1.2	-67.2	-7001
		Viento -Y exc.-	1.5	-0.3	-73.3	-0.2	-45.2	-0.0	1.5	155.9	-25.6	-0.2	-45.2	-4724
		Peso propio	1729.6	5.6	3.7	3.0	1.2	0.0	1729.6	194997	55290	3.0	1.2	34.4
		Cargas muertas	653.4	5.0	4.5	2.6	1.9	0.0	653.4	73666	20890	2.6	1.9	132.1
		H 1	-0.2	0.0	-0.0	0.0	-0.0	0.0	-0.2	-17.3	-4.9	0.0	-0.0	-1.5
		Sobrecarga de uso	732.6	1.9	0.3	1.0	0.0	0.0	732.6	82599	23419	1.0	0.0	-29.6
		Viento +X exc.+	-2.9	25.0	-1.0	16.1	-1.0	-0.0	-2.9	-298.4	-92.7	16.1	-1.0	-623.7
		Viento +X exc.-	-2.7	25.1	1.2	16.2	0.4	0.0	-2.7	-279.0	-85.1	16.2	0.4	-472.8
		Viento -X exc.+	2.9	-25.0	1.0	-16.1	1.0	0.0	2.9	298.4	92.7	-16.1	1.0	623.7
		Viento -X exc.-	2.7	-25.1	-1.2	-16.2	-0.4	0.0	2.7	279.0	85.1	-16.2	-0.4	472.8
		Viento +Y exc.+	6.2	3.5	107.7	1.9	67.2	0.2	6.2	705.5	306.8	1.9	67.2	7511.6
		Viento +Y exc.-	2.6	1.0	69.5	0.6	43.2	0.0	2.6	290.5	151.6	0.6	43.2	4852.6
		Viento -Y exc.+	-6.2	-3.5	-107.7	-1.9	-67.2	-0.2	-6.2	-705.5	-306.8	-1.9	-67.2	-7512
		Viento -Y exc.-	-2.6	-1.0	-69.5	-0.6	-43.2	-0.0	-2.6	-290.5	-151.6	-0.6	-43.2	-4853
P46 [120.788;31.965;0.0 grados] (50x50)	14.20/17.45	Peso propio	1149.5	30.5	10.6	23.3	5.5	0.0	1149.5	138878	36755	23.3	5.5	-83.8
		Cargas muertas	746.6	-18.6	8.5	-8.2	4.4	0.0	746.6	90166	23875	-8.2	4.4	787.1
		H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	2.3	0.6	0.0	-0.0	-2.4
		Sobrecarga de uso	471.1	10.6	3.2	8.4	1.9	0.0	471.1	56915	15062	8.4	1.9	-42.6
		Viento +X exc.+	24.3	14.6	-0.9	10.0	-1.0	-0.0	24.3	2950.1	775.9	10.0	-1.0	-443.2
		Viento +X exc.-	24.6	14.7	1.3	10.1	0.4	0.0	24.6	2989.9	788.6	10.1	0.4	-273.2
		Viento -X exc.+	-24.3	-14.6	0.9	-10.0	1.0	0.0	-24.3	-2950	-775.9	-10.0	1.0	443.2
		Viento -X exc.-	-24.6	-14.7	-1.3	-10.1	-0.4	0.0	-24.6	-2990	-788.6	-10.1	-0.4	273.2
		Viento +Y exc.+	12.7	3.0	102.9	1.5	65.5	0.2	12.7	1534.3	508.1	1.5	65.5	7859.5
		Viento +Y exc.-	6.8	1.0	63.7	0.5	40.4	0.0	6.8	823.5	281.4	0.5	40.4	4864.9
		Viento -Y exc.+	-12.7	-3.0	-102.9	-1.5	-65.5	-0.2	-12.7	-1534	-508.1	-1.5	-65.5	-7859
		Viento -Y exc.-	-6.8	-1.0	-63.7	-0.5	-40.4	-0.0	-6.8	-823.5	-281.4	-0.5	-40.4	-4865
P49 [0.738;25.465;0.0 grados] (Diámetro 60)	14.20/17.35	Peso propio	807.9	-25.4	-37.2	-15.5	-20.1	0.0	807.9	570.7	20536	-15.5	-20.1	380.7
		Cargas muertas	785.4	-1.0	-6.8	1.2	-2.8	0.0	785.4	578.5	19993	1.2	-2.8	-32.0
		H 1	0.1	-0.2	-0.0	-0.1	-0.0	0.0	0.1	-0.1	1.5	-0.1	-0.0	1.6
		Sobrecarga de uso	318.0	-9.7	-11.9	-5.6	-6.9	0.0	318.0	224.9	8086.9	-5.6	-6.9	137.0
		Viento +X exc.+	-28.6	13.0	0.5	10.1	0.6	-0.0	-28.6	-8.1	-727.2	10.1	0.6	-256.5
		Viento +X exc.-	-26.7	13.3	-0.7	10.3	-0.2	0.0	-26.7	-6.5	-681.4	10.3	-0.2	-261.5
		Viento -X exc.+	28.6	-13.0	-0.5	-10.1	-0.6	0.0	28.6	8.1	727.2	-10.1	-0.6	256.5
		Viento -X exc.-	26.7	-13.3	0.7	-10.3	0.2	0.0	26.7	6.5	681.4	-10.3	0.2	261.5
		Viento +Y exc.+	-50.3	4.4	13.9	2.7	7.9	0.3	-50.3	-32.7	-1267	2.7	7.9	-62.9
		Viento +Y exc.-	-81.9	-0.2	33.6	-0.3	21.1	0.0	-81.9	-60.6	-2053	-0.3	21.1	24.0
		Viento -Y exc.+	50.3	-4.4	-13.9	-2.7	-7.9	-0.3	50.3	32.7	1266.6	-2.7	-7.9	62.9
		Viento -Y exc.-	81.9	0.2	-33.6	0.3	-21.1	-0.0	81.9	60.6	2053.0	0.3	-21.1	-24.0
P50 [8.738;25.465;0.0 grados] (50x50)	14.20/17.35	Peso propio	1154.8	0.9	-49.6	0.8	-26.5	0.0	1154.8	10092	29358	0.8	-26.5	-252.7
		Cargas muertas	823.1	0.5	2.9	0.2	3.8	0.0	823.1	7192.5	20963	0.2	3.8	27.7
		H 1	0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.3	0.7	-0.0	-0.0	-0.0
		Sobrecarga de uso	475.0	0.0	-16.1	0.1	-9.2	0.0	475.0	4150.6	12080	0.1	-9.2	-83.8
		Viento +X exc.+	-0.5	20.7	0.2	15.8	0.4	-0.0	-0.5	16.8	-11.4	15.8	0.4	-397.4
		Viento +X exc.-	1.8	21.1	-0.8	16.0	-0.2	0.0	1.8	36.5	44.3	16.0	-0.2	-409.2
		Viento -X exc.+	0.5	-20.7	-0.2	-15.8	-0.4	0.0	0.5	-16.8	11.4	-15.8	-0.4	397.4
		Viento -X exc.-	-1.8	-21.1	0.8	-16.0	0.2	0.0	-1.8	-36.5	-44.3	-16.0	0.2	409.2
		Viento +Y exc.+	-59.2	6.7	18.6	4.5	11.3	0.2	-59.2	-510.5	-1489	4.5	11.3	-16.7
		Viento +Y exc.-	-97.6	0.7	36.2	0.5	23.1	0.0	-97.6	-851.8	-2448	0.5	23.1	188.5
		Viento -Y exc.+	59.2	-6.7	-18.6	-4.5	-11.3	-0.2	59.2	510.5	1488.8	-4.5	-11.3	16.7
		Viento -Y exc.-	97.6	-0.7	-36.2	-0.5	-23.1	-0.0	97.6	851.8	2448.2	-0.5	-23.1	-188.5
P51 [16.738;25.465;0.0 grados] (50x50)	14.20/17.35	Peso propio	1114.2	4.1	-48.1	1.9	-25.5	0.0	1114.2	18653	28324	1.9	-25.5	-474.9
		Cargas muertas	813.6	4.9	2.7	2.1	3.9	0.0	813.6	13622	20720	2.1	3.9	10.8
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0
		Sobrecarga de uso	454.9	2.2	-15.6	1.0	-8.9	0.0	454.9	7616.9	11569	1.0	-8.9	-176.0
		Viento +X exc.+	-2.6	20.5	0.7	15.5	0.6	-0.0	-2.6	-23.0	-65.5	15.5	0.6	-383.0
		Viento +X exc.-	-0.8	20.8	-0.2	15.7	0.1	0.0	-0.8	8.1	-19.5	15.7	0.1	-398.0
		Viento -X exc.+	2.6	-20.5	-0.7	-15.5	-0.6	0.0	2.6	23.0	65.5	-15.5	-0.6	383.0
		Viento -X exc.-	0.8	-20.8	0.2	-15.7	-0.1	0.0	0.8	-8.1	19.5	-15.7	-0.1	398.0
		Viento +Y exc.+	-65.4	6.6	22.8	4.4	14.1	0.2	-65.4	-1088	-1643	4.4	14.1	123.7
		Viento +Y exc.-	-97.0	0.7	37.5	0.6	23.8	0.0	-97.0	-1623	-2433	0.6	23.8	384.6
		Viento -Y exc.+	65.4	-6.6	-22.8	-4.4	-14.1	-0.2	65.4	1088.4	1643.1	-4.4	-14.1	-123.7
		Viento -Y exc.-	97.0	-0.7	-37.5	-0.6	-23.8	-0.0	97.0	1623.2	2433.1	-0.6	-23.8	-384.6
P52 [24.738;25.465;0.0 grados] (50x50)	14.20/17.35	Peso propio	1339.0	-92.3	-50.6	-46.7	-25.8	0.0	1339.0	33031	34046	-46.7	-25.8	549.8
		Cargas muertas	1013.5	-93.2	-2.0	-46.4	2.6	0.0	1013.5	24977	25805	-46.4	2.6	1247.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.8	0.8	0.0	-0.0	-0.2
		Sobrecarga de uso	557.3	-47.0	-16.5	-24.2	-8.8	0.0	557.3	13740	14176	-24.2	-8.8	398.2
		Viento +X exc.+	-10.1	25.7	-0.1	18.6	0.1	-0.0	-10.1	-224.1	-257.2	18.6	0.1	-472.8
		Viento +X exc.-	-8.5	26.0	-0.6	18.8	-0.3	0.0	-8.5	-185.4	-218.2	18.8	-0.3	-487.8
		Viento -X exc.+	10.1	-25.7	0.1	-18.6	-0.1	0.0	10.1	224.1	257.2	-18.6	-0.1	472.8
		Viento -X exc.-	8.5	-26.0	0.6	-18.8	0.3	0.0	8.5	185.4	218.2	-18.8	0.3	487.8
		Viento +Y exc.+	-84.8	12.6	22.2	7.8	14.3	0.2	-84.8	-2084	-2136	7.8	14.3	156.2
		Viento +Y exc.-	-111.4	7.2	32.0	4.0	20.9	0.0	-111.4	-2748	-2804	4.0	20.9	415.9
		Viento -Y exc.+	84.8	-12.6	-22.2	-7.8	-14.3	-0.2	84.8	2084.4	2136.5	-7.8	-14.3	-156.2
		Viento -Y exc.-	111.4	-7.2	-32.0	-4.0	-20.9	-0.0	111.4	2747.7	2803.9	-4.0	-20.9	-415.9
P55 [48.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1471.6	86.6	-49.1	37.9	-24.4	0.0	1471.6	71811	37426	37.9	-24.4	-2155
		Cargas muertas	1028.7	96.4	-4.1	43.4	-0.2	0.0	1028.7	50232	26191	43.4	-0.2	-1115
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.1	0.5	0.0	-0.0	-0.3
		Sobrecarga de uso	557.3	45.9	-15.8	21.2	-8.3	0.0	557.3	27207	14176	21.2	-8.3	-943.2
		Viento +X exc.+	15.7	18.6	0.2	12.3	0.3	-0.0	15.7	782.5	399.3	12.3	0.3	-297.3
		Viento +X exc.-	16.3	19.0	0.1	12.4	0.3	0.0	16.3	813.7	415.4	12.4	0.3	-304.1
		Viento -X exc.+	-15.7	-18.6	-0.2	-12.3	-0.3	0.0	-15.7	-782.5	-399.3	-12.3	-0.3	297.3
		Viento -X exc.-	-16.3	-19.0	-0.1	-12.4	-0.3	0.0	-16.3	-813.7	-415.4	-12.4	-0.3	304.1
		Viento +Y exc.+	-87.8	1.5	31.1	1.6	19.4	0.2	-87.8	-4278	-2205	1.6	19.4	904.4
		Viento +Y exc.-	-98.5	-4.4	32.3	-1.8	19.9	0.0	-98.5	-4805	-2476	-1.8	19.9	1016.6
		Viento -Y exc.+	87.8	-1.5	-31.1	-1.6	-19.4	-0.2	87.8	4277.8	2204.8	-1.6	-19.4	-904.4
		Viento -Y exc.-	98.5	4.4	-32.3	1.8	-19.9	-0.0	98.5	4805.1	2476.0	1.8	-19.9	-1017
P56 [56.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1090.6	-2.3	-47.4	-1.6	-25.6	0.0	1090.6	61878	27726	-1.6	-25.6	-1414
		Cargas muertas	801.2	-4.7	1.7	-2.8	0.6	0.0	801.2	45456	20405	-2.8	0.6	108.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.1	0.5	0.0	-0.0	-0.4
		Sobrecarga de uso	437.3	-2.4	-15.1	-1.5	-8.6	0.0	437.3	24807	11120	-1.5	-8.6	-451.5
		Viento +X exc.+	-4.5	16.8	0.6	11.1	0.4	-0.0	-4.5	-241.1	-115.1	11.1	0.4	-259.0
		Viento +X exc.-	-4.6	17.1	0.7	11.2	0.5	0.0	-4.6	-243.4	-116.2	11.2	0.5	-259.5
		Viento -X exc.+	4.5	-16.8	-0.6	-11.1	-0.4	0.0	4.5	241.1	115.1	-11.1	-0.4	259.0
		Viento -X exc.-	4.6	-17.1	-0.7	-11.2	-0.5	0.0	4.6	243.4	116.2	-11.2	-0.5	259.5
		Viento +Y exc.+	-82.8	6.8	39.8	4.1	24.3	0.2	-82.8	-4693	-2070	4.1	24.3	1273.8
		Viento +Y exc.-	-81.7	2.0	38.2	1.4	23.1	0.0	-81.7	-4636	-2044	1.4	23.1	1274.6
		Viento -Y exc.+	82.8	-6.8	-39.8	-4.1	-24.3	-0.2	82.8	4693.0	2069.5	-4.1	-24.3	-1274
		Viento -Y exc.-	81.7	-2.0	-38.2	-1.4	-23.1	-0.0	81.7	4636.3	2043.6	-1.4	-23.1	-1275
P57 [64.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1089.9	1.0	-43.5	0.3	-22.8	0.0	1089.9	70557	27710	0.3	-22.8	-1485
		Cargas muertas	832.6	1.8	3.0	0.7	1.7	0.0	832.6	53903	21205	0.7	1.7	89.6
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.2	0.5	0.0	-0.0	-0.5
		Sobrecarga de uso	453.2	0.3	-14.1	0.1	-7.9	0.0	453.2	29338	11526	0.1	-7.9	-516.6
		Viento +X exc.+	0.3	16.6	0.4	10.8	0.0	-0.0	0.3	35.3	7.7	10.8	0.0	-271.0
		Viento +X exc.-	0.0	16.9	0.6	10.9	0.2	0.0	0.0	17.3	0.8	10.9	0.2	-264.5
		Viento -X exc.+	-0.3	-16.6	-0.4	-10.8	-0.0	0.0	-0.3	-35.3	-7.7	-10.8	-0.0	271.0
		Viento -X exc.-	-0.0	-16.9	-0.6	-10.9	-0.2	0.0	-0.0	-17.3	-0.8	-10.9	-0.2	264.5
		Viento +Y exc.+	-81.7	5.8	41.9	3.3	25.3	0.2	-81.7	-5287	-2040	3.3	25.3	1554.3
		Viento +Y exc.-	-76.5	1.1	37.4	0.6	22.4	0.0	-76.5	-4954	-1912	0.6	22.4	1432.3
		Viento -Y exc.+	81.7	-5.8	-41.9	-3.3	-25.3	-0.2	81.7	5286.5	2039.8	-3.3	-25.3	-1554
		Viento -Y exc.-	76.5	-1.1	-37.4	-0.6	-22.4	-0.0	76.5	4954.3	1911.8	-0.6	-22.4	-1432
P58 [72.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1095.3	1.9	-43.7	0.8	-23.0	0.0	1095.3	79672	27848	0.8	-23.0	-1697
		Cargas muertas	832.2	0.8	3.1	0.3	1.7	0.0	832.2	60530	21194	0.3	1.7	112.0
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.3	0.5	0.0	-0.0	-0.6
		Sobrecarga de uso	455.3	0.5	-14.1	0.2	-8.0	0.0	455.3	33119	11580	0.2	-8.0	-584.5
		Viento +X exc.+	0.1	16.7	0.2	10.8	-0.0	-0.0	0.1	24.3	2.9	10.8	-0.0	-275.3
		Viento +X exc.-	-0.5	16.9	0.6	10.9	0.2	0.0	-0.5	-18.7	-11.9	10.9	0.2	-259.9
		Viento -X exc.+	-0.1	-16.7	-0.2	-10.8	0.0	0.0	-0.1	-24.3	-2.9	-10.8	0.0	275.3
		Viento -X exc.-	0.5	-16.9	-0.6	-10.9	-0.2	0.0	0.5	18.7	11.9	-10.9	-0.2	259.9
		Viento +Y exc.+	-86.7	5.7	45.6	3.2	27.6	0.2	-86.7	-6304	-2163	3.2	27.6	1925.6
		Viento +Y exc.-	-76.1	0.9	38.1	0.6	22.8	0.0	-76.1	-5536	-1900	0.6	22.8	1646.1
		Viento -Y exc.+	86.7	-5.7	-45.6	-3.2	-27.6	-0.2	86.7	6303.9	2163.3	-3.2	-27.6	-1926
		Viento -Y exc.-	76.1	-0.9	-38.1	-0.6	-22.8	-0.0	76.1	5536.4	1900.4	-0.6	-22.8	-1646
P59 [80.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1108.0	1.6	-44.5	0.6	-23.8	0.0	1108.0	89459	28171	0.6	-23.8	-1940
		Cargas muertas	835.1	1.3	3.1	0.5	1.5	0.0	835.1	67426	21269	0.5	1.5	110.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.5	0.5	0.0	-0.0	-0.8
		Sobrecarga de uso	457.0	0.7	-14.7	0.3	-8.3	0.0	457.0	36898	11623	0.3	-8.3	-676.7
		Viento +X exc.+	-0.6	16.7	0.1	10.8	-0.1	-0.0	-0.6	-31.3	-15.0	10.8	-0.1	-280.7
		Viento +X exc.-	-1.5	17.0	0.7	11.0	0.3	0.0	-1.5	-103.5	-37.3	11.0	0.3	-254.8
		Viento -X exc.+	0.6	-16.7	-0.1	-10.8	0.1	0.0	0.6	31.3	15.0	-10.8	0.1	280.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	1.5	-17.0	-0.7	-11.0	-0.3	0.0	1.5	103.5	37.3	-11.0	-0.3	254.8
		Viento +Y exc.+	-90.8	5.5	48.9	3.3	29.8	0.2	-90.8	-7328	-2264	3.3	29.8	2326.0
		Viento +Y exc.-	-74.9	0.8	38.6	0.6	23.2	0.0	-74.9	-6049	-1870	0.6	23.2	1860.4
		Viento -Y exc.+	90.8	-5.5	-48.9	-3.3	-29.8	-0.2	90.8	7328.1	2264.1	-3.3	-29.8	-2326
		Viento -Y exc.-	74.9	-0.8	-38.6	-0.6	-23.2	-0.0	74.9	6049.2	1869.6	-0.6	-23.2	-1860
P60 [88.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1135.7	3.0	-46.8	1.7	-26.0	0.0	1135.7	100781	28873	1.7	-26.0	-2350
		Cargas muertas	839.5	1.6	2.8	1.0	0.8	0.0	839.5	74499	21381	1.0	0.8	50.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.7	0.5	0.0	-0.0	-0.9
		Sobrecarga de uso	460.3	0.8	-15.4	0.6	-8.9	0.0	460.3	40849	11707	0.6	-8.9	-807.8
		Viento +X exc.+	0.9	16.5	-0.1	11.0	-0.4	-0.0	0.9	100.7	24.1	11.0	-0.4	-312.8
		Viento +X exc.-	-0.3	16.8	0.7	11.1	0.1	0.0	-0.3	-12.4	-7.6	11.1	0.1	-272.4
		Viento -X exc.+	-0.9	-16.5	0.1	-11.0	0.4	0.0	-0.9	-100.7	-24.1	-11.0	0.4	312.8
		Viento -X exc.-	0.3	-16.8	-0.7	-11.1	-0.1	0.0	0.3	12.4	7.6	-11.1	-0.1	272.4
		Viento +Y exc.+	-102.7	4.1	54.6	2.2	33.8	0.2	-102.7	-9108	-2560	2.2	33.8	2941.8
		Viento +Y exc.-	-80.2	-0.2	40.7	-0.2	25.0	0.0	-80.2	-7117	-2002	-0.2	25.0	2220.0
		Viento -Y exc.+	102.7	-4.1	-54.6	-2.2	-33.8	-0.2	102.7	9107.8	2560.3	-2.2	-33.8	-2942
		Viento -Y exc.-	80.2	0.2	-40.7	0.2	-25.0	-0.0	80.2	7116.9	2001.6	0.2	-25.0	-2220
P61 [96.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1117.5	2.9	-47.2	1.7	-26.0	0.0	1117.5	108103	28409	1.7	-26.0	-2558
		Cargas muertas	839.6	1.5	-4.5	0.8	-1.9	0.0	839.6	81225	21376	0.8	-1.9	-207.2
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	2.3	0.6	0.0	-0.0	-1.0
		Sobrecarga de uso	462.2	1.3	-15.7	0.7	-9.1	0.0	462.2	44718	11755	0.7	-9.1	-900.7
		Viento +X exc.+	2.3	15.3	-0.4	10.5	-0.5	-0.0	2.3	241.8	59.2	10.5	-0.5	-320.5
		Viento +X exc.-	0.8	15.5	0.4	10.7	0.0	0.0	0.8	88.1	19.5	10.7	0.0	-270.4
		Viento -X exc.+	-2.3	-15.3	0.4	-10.5	0.5	0.0	-2.3	-241.8	-59.2	-10.5	0.5	320.5
		Viento -X exc.-	-0.8	-15.5	-0.4	-10.7	-0.0	0.0	-0.8	-88.1	-19.5	-10.7	-0.0	270.4
		Viento +Y exc.+	-107.8	3.3	49.7	2.0	33.0	0.2	-107.8	-10425	-2695	2.0	33.0	3144.9
		Viento +Y exc.-	-79.9	-0.5	35.3	-0.2	23.2	0.0	-79.9	-7728	-1999	-0.2	23.2	2253.8
		Viento -Y exc.+	107.8	-3.3	-49.7	-2.0	-33.0	-0.2	107.8	10425	2695.3	-2.0	-33.0	-3145
		Viento -Y exc.-	79.9	0.5	-35.3	0.2	-23.2	-0.0	79.9	7728.0	1998.8	0.2	-23.2	-2254
P62 [104.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1092.6	3.6	-45.5	2.0	-25.4	0.0	1092.6	114443	27778	2.0	-25.4	-2707
		Cargas muertas	836.1	2.5	3.4	1.2	0.8	0.0	836.1	87579	21296	1.2	0.8	58.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-1.2
		Sobrecarga de uso	457.7	0.6	-15.0	0.4	-8.8	0.0	457.7	47939	11640	0.4	-8.8	-931.9
		Viento +X exc.+	1.7	16.0	-0.3	10.5	-0.5	-0.0	1.7	196.9	43.7	10.5	-0.5	-323.1
		Viento +X exc.-	-0.2	16.3	0.8	10.7	0.2	0.0	-0.2	-5.8	-4.5	10.7	0.2	-252.0
		Viento -X exc.+	-1.7	-16.0	0.3	-10.5	0.5	0.0	-1.7	-196.9	-43.7	-10.5	0.5	323.1
		Viento -X exc.-	0.2	-16.3	-0.8	-10.7	-0.2	0.0	0.2	5.8	4.5	-10.7	-0.2	252.0
		Viento +Y exc.+	-113.8	5.6	62.3	3.0	38.6	0.2	-113.8	-11910	-2835	3.0	38.6	3964.9
		Viento +Y exc.-	-79.7	1.0	42.2	0.5	25.9	0.0	-79.7	-8349	-1988	0.5	25.9	2702.7
		Viento -Y exc.+	113.8	-5.6	-62.3	-3.0	-38.6	-0.2	113.8	11910	2834.6	-3.0	-38.6	-3965
		Viento -Y exc.-	79.7	-1.0	-42.2	-0.5	-25.9	-0.0	79.7	8348.8	1987.9	-0.5	-25.9	-2703
P63 [112.738;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	1139.0	2.2	-46.2	0.6	-25.8	0.0	1139.0	128409	28958	0.6	-25.8	-2919
		Cargas muertas	834.9	2.4	3.8	0.9	1.2	0.0	834.9	94124	21264	0.9	1.2	113.9
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	2.2	0.5	0.0	-0.0	-1.5
		Sobrecarga de uso	474.5	0.9	-15.5	0.2	-8.9	0.0	474.5	53497	12068	0.2	-8.9	-1013
		Viento +X exc.+	-1.7	17.4	0.3	11.4	-0.3	-0.0	-1.7	-174.5	-43.1	11.4	-0.3	-322.9
		Viento +X exc.-	-4.0	17.6	1.6	11.6	0.5	0.0	-4.0	-430.9	-99.8	11.6	0.5	-234.7
		Viento -X exc.+	1.7	-17.4	-0.3	-11.4	0.3	0.0	1.7	174.5	43.1	-11.4	0.3	322.9
		Viento -X exc.-	4.0	-17.6	-1.6	-11.6	-0.5	0.0	4.0	-430.9	-99.8	-11.6	-0.5	234.7
		Viento +Y exc.+	-117.8	5.6	64.7	3.1	40.6	0.2	-117.8	-13278	-2936	3.1	40.6	4495.1
		Viento +Y exc.-	-78.0	0.8	41.9	0.4	26.1	0.0	-78.0	-8788	-1943	0.4	26.1	2930.6
		Viento -Y exc.+	117.8	-5.6	-64.7	-3.1	-40.6	-0.2	117.8	13278	2935.7	-3.1	-40.6	-4495
		Viento -Y exc.-	78.0	-0.8	-41.9	-0.4	-26.1	-0.0	78.0	8787.6	1943.2	-0.4	-26.1	-2931
P64 [120.788;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	818.3	17.9	-28.3	15.0	-17.0	0.0	818.3	98863	20810	15.0	-17.0	-2431
		Cargas muertas	794.2	-5.1	-3.2	0.1	-2.8	0.0	794.2	95928	20222	0.1	-2.8	-344.8
		H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	8.2	1.7	0.0	-0.0	-2.8
		Sobrecarga de uso	319.8	6.7	-9.8	5.5	-5.9	0.0	319.8	38630	8132.8	5.5	-5.9	-853.6
		Viento +X exc.+	19.4	10.2	-0.3	7.2	-0.7	-0.0	19.4	2349.5	492.9	7.2	-0.7	-273.3
		Viento +X exc.-	17.2	10.5	1.0	7.3	0.1	0.0	17.2	2091.6	439.7	7.3	0.1	-175.4
		Viento -X exc.+	-19.4	-10.2	0.3	-7.2	0.7	0.0	-19.4	-2349	-492.9	-7.2	0.7	273.3
		Viento -X exc.-	-17.2	-10.5	-1.0	-7.3	-0.1	0.0	-17.2	-2092	-439.7	-7.3	-0.1	175.4
		Viento +Y exc.+	-109.0	5.8	60.0	2.6	38.6	0.2	-109.0	-13155	-2715	2.6	38.6	4597.0
		Viento +Y exc.-	-71.6	1.9	37.3	0.7	23.9	0.0	-71.6	-8647	-1786	0.7	23.9	2864.8
		Viento -Y exc.+	109.0	-5.8	-60.0	-2.6	-38.6	-0.2	109.0	13155	2714.6	-2.6	-38.6	-4597
		Viento -Y exc.-	71.6	-1.9	-37.3	-0.7	-23.9	-0.0	71.6	8646.9	1786.1	-0.7	-23.9	-2865





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	14.20/17.45	Peso propio	1149.6	9.5	32.3	2.8	15.0	0.0	1149.6	37644	36778	2.8	15.0	401.0
		Cargas muertas	469.8	15.1	33.2	6.7	14.7	0.0	469.8	15394	15049	6.7	14.7	268.0
		H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	2.1	2.0	0.0	-0.0	-0.3
		Sobrecarga de uso	480.2	6.2	12.5	2.6	6.1	0.0	480.2	15727	15362	2.6	6.1	116.4
		Viento +X exc.+	-5.6	26.3	2.2	15.7	1.3	-0.0	-5.6	-156.1	-175.9	15.7	1.3	-458.6
		Viento +X exc.-	0.0	26.3	1.0	15.7	0.7	0.0	0.0	26.5	1.2	15.7	0.7	-481.4
		Viento -X exc.+	5.6	-26.3	-2.2	-15.7	-1.3	0.0	5.6	156.1	175.9	-15.7	-1.3	458.6
		Viento -X exc.-	-0.0	-26.3	-1.0	-15.7	-0.7	0.0	-0.0	-26.5	-1.2	-15.7	-0.7	481.4
		Viento +Y exc.+	-389.8	6.9	73.8	4.2	42.6	0.3	-389.8	-12753	-12385	4.2	42.6	1261.2
		Viento +Y exc.-	-485.5	6.2	93.7	3.9	54.2	0.0	-485.5	-15887	-15425	3.9	54.2	1648.4
		Viento -Y exc.+	389.8	-6.9	-73.8	-4.2	-42.6	-0.3	389.8	12753	12385	-4.2	-42.6	-1261
		Viento -Y exc.-	485.5	-6.2	-93.7	-3.9	-54.2	-0.0	485.5	15887	15425	-3.9	-54.2	-1648
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	14.20/17.45	Peso propio	1189.1	6.5	52.1	4.0	22.5	0.0	1189.1	48448	38062	4.0	22.5	790.0
		Cargas muertas	488.4	-1.9	46.2	-1.3	19.7	0.0	488.4	19896	15659	-1.3	19.7	843.3
		H 1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.1	2.1	1.6	0.0	-0.0	-0.3
		Sobrecarga de uso	493.0	1.3	20.0	0.5	9.0	0.0	493.0	20086	15779	0.5	9.0	349.2
		Viento +X exc.+	-7.5	25.8	0.7	15.6	0.5	-0.0	-7.5	-278.0	-237.7	15.6	0.5	-478.3
		Viento +X exc.-	-4.2	26.0	0.0	15.7	0.1	0.0	-4.2	-145.9	-134.9	15.7	0.1	-496.9
		Viento -X exc.+	7.5	-25.8	-0.7	-15.6	-0.5	0.0	7.5	278.0	237.7	-15.6	-0.5	478.3
		Viento -X exc.-	4.2	-26.0	-0.0	-15.7	-0.1	0.0	4.2	145.9	134.9	-15.7	-0.1	496.9
		Viento +Y exc.+	-373.3	-5.3	78.4	-3.3	45.5	0.3	-373.3	-15211	-11853	-3.3	45.5	1959.5
		Viento +Y exc.-	-427.7	-8.3	89.4	-4.9	51.9	0.0	-427.7	-17433	-13582	-4.9	51.9	2271.5
		Viento -Y exc.+	373.3	5.3	-78.4	3.3	-45.5	-0.3	373.3	15211	11853	3.3	-45.5	-1960
		Viento -Y exc.-	427.7	8.3	-89.4	4.9	-51.9	-0.0	427.7	17433	13582	4.9	-51.9	-2271
P121 [29.538;25.465;0.0 grados] (50x50)	14.20/17.35	Peso propio	390.2	73.5	34.2	12.6	10.9	0.0	390.2	11600	9971.5	12.6	10.9	0.4
		Cargas muertas	416.9	59.2	56.2	-0.5	16.6	0.0	416.9	12373	10672	-0.5	16.6	501.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.1	0.1	0.0	-0.0	-0.1
		Sobrecarga de uso	197.5	29.1	23.8	2.0	9.0	0.0	197.5	5864.0	5054.0	2.0	9.0	213.2
		Viento +X exc.+	21.9	62.8	6.6	30.6	3.2	-0.0	21.9	709.1	563.9	30.6	3.2	-683.2
		Viento +X exc.-	22.4	63.6	6.0	30.9	2.9	0.0	22.4	725.9	577.1	30.9	2.9	-701.2
		Viento -X exc.+	-21.9	-62.8	-6.6	-30.6	-3.2	0.0	-21.9	-709.1	-563.9	-30.6	-3.2	683.2
		Viento -X exc.-	-22.4	-63.6	-6.0	-30.9	-2.9	0.0	-22.4	-725.9	-577.1	-30.9	-2.9	701.2
		Viento +Y exc.+	-10.0	12.5	35.4	7.0	17.0	0.2	-10.0	-284.2	-220.4	7.0	17.0	323.2
		Viento +Y exc.-	-19.4	-1.3	45.4	0.6	21.9	0.0	-19.4	-575.5	-449.6	0.6	21.9	632.5
		Viento -Y exc.+	10.0	-12.5	-35.4	-7.0	-17.0	-0.2	10.0	284.2	220.4	-7.0	-17.0	-323.2
		Viento -Y exc.-	19.4	1.3	-45.4	-0.6	-21.9	-0.0	19.4	575.5	449.6	-0.6	-21.9	-632.5
P122 [43.938;25.465;0.0 grados] (50x50)	14.20/17.45	Peso propio	412.2	-74.3	38.4	-15.3	14.4	0.0	412.2	18037	10535	-15.3	14.4	1019.9
		Cargas muertas	437.2	-61.0	55.9	-2.8	16.5	0.0	437.2	19147	11188	-2.8	16.5	795.8
		H 1	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.1	0.0	-0.0	-0.2
		Sobrecarga de uso	203.1	-29.5	23.9	-3.9	9.3	0.0	203.1	8892.3	5194.7	-3.9	9.3	507.9
		Viento +X exc.+	-18.0	60.9	-3.3	28.5	-1.3	-0.0	-18.0	-729.4	-461.4	28.5	-1.3	-782.5
		Viento +X exc.-	-18.1	61.6	-3.6	28.8	-1.4	0.0	-18.1	-733.6	-464.5	28.8	-1.4	-797.0
		Viento -X exc.+	18.0	-60.9	3.3	-28.5	1.3	0.0	18.0	729.4	461.4	-28.5	1.3	782.5
		Viento -X exc.-	18.1	-61.6	3.6	-28.8	1.4	0.0	18.1	733.6	464.5	-28.8	1.4	797.0
		Viento +Y exc.+	-20.1	18.5	43.5	8.0	20.7	0.2	-20.1	-862.7	-467.2	8.0	20.7	704.8
		Viento +Y exc.-	-18.0	6.4	48.7	2.3	23.0	0.0	-18.0	-785.2	-410.0	2.3	23.0	952.9
		Viento -Y exc.+	20.1	-18.5	-43.5	-8.0	-20.7	-0.2	20.1	862.7	467.2	-8.0	-20.7	-704.8
		Viento -Y exc.-	18.0	-6.4	-48.7	-2.3	-23.0	-0.0	18.0	785.2	410.0	-2.3	-23.0	-952.9
M12 [32.588;36.503] (e=30.0 cm)	14.20/17.80	Peso propio	1827.9	-8.3	27.8	-6.6	2.7	-3.4	1827.9	59560	66752	-6.6	2.7	325.6
		Cargas muertas	565.4	-1.6	55.2	-1.2	3.9	-1.8	565.4	18423	20693	-1.2	3.9	168.1
		H 1	-0.0	0.0	-0.3	0.0	-0.1	0.0	-0.0	-0.8	-1.2	0.0	-0.1	-2.9
		Sobrecarga de uso	632.9	-1.3	26.4	-1.2	-2.4	-0.8	632.9	20623	23128	-1.2	-2.4	-37.0
		Viento +X exc.+	8.4	16.5	-122.5	13.0	-9.2	5.3	8.4	290.5	184.4	13.0	-9.2	-766.7
		Viento +X exc.-	5.9	16.5	-124.9	13.0	-14.2	5.4	5.9	209.7	91.6	13.0	-14.2	-932.4
		Viento -X exc.+	-8.4	-16.5	122.5	-13.0	9.2	-5.3	-8.4	-290.5	-184.4	-13.0	9.2	766.7
		Viento -X exc.-	-5.9	-16.5	124.9	-13.0	14.2	-5.4	-5.9	-209.7	-91.6	-13.0	14.2	932.4
		Viento +Y exc.+	11.8	1.2	521.5	0.4	319.4	1.0	11.8	384.6	951.0	0.4	319.4	10396
		Viento +Y exc.-	34.3	0.9	613.7	-0.5	419.3	-0.9	34.3	1119.9	1867.0	-0.5	419.3	13680
		Viento -Y exc.+	-11.8	-1.2	-521.5	-0.4	-319.4	-1.0	-11.8	-384.6	-951.0	-0.4	-319.4	-10396
		Viento -Y exc.-	-34.3	-0.9	-613.7	0.5	-419.3	0.9	-34.3	-1120	-1867	0.5	-419.3	-13680
M15 [40.825;36.503] (e=30.0 cm)	14.20/17.80	Peso propio	1750.5	8.4	42.0	7.4	6.6	3.9	1750.5	71473	63940	7.4	6.6	2.4
		Cargas muertas	522.4	1.9	84.4	1.7	9.9	2.0	522.4	21328	19152	1.7	9.9	343.6
		H 1	0.1	0.0	-0.4	-0.0	-0.1	0.0	0.1	2.6	2.0	-0.0	-0.1	-4.3
		Sobrecarga de uso	590.6	1.4	25.2	1.4	-1.7	1.1	590.6	24114	21585	1.4	-1.7	-119.3
		Viento +X exc.+	32.7	16.6	29.3	13.2	1.9	4.9	32.7	1351.0	1222.5	13.2	1.9	-398.9





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. tercera +14.30														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=14.20)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	33.2	16.6	24.0	13.2	-1.2	5.0	33.2	1370.1	1234.2	13.2	-1.2	-525.8
		Viento -X exc.+	-32.7	-16.6	-29.3	-13.2	-1.9	-4.9	-32.7	-1351	-1222	-13.2	-1.9	398.9
		Viento -X exc.-	-33.2	-16.6	-24.0	-13.2	1.2	-5.0	-33.2	-1370	-1234	-13.2	1.2	525.8
		Viento +Y exc.+	47.4	1.2	410.1	2.3	361.8	3.2	47.4	1936.2	2140.3	2.3	361.8	14691
		Viento +Y exc.-	33.0	0.8	517.5	1.5	414.1	1.9	33.0	1349.7	1723.5	1.5	414.1	16853
		Viento -Y exc.+	-47.4	-1.2	-410.1	-2.3	-361.8	-3.2	-47.4	-1936	-2140	-2.3	-361.8	-14691
		Viento -Y exc.-	-33.0	-0.8	-517.5	-1.5	-414.1	-1.9	-33.0	-1350	-1724	-1.5	-414.1	-16853
Sumatorio		Peso propio							84177	5147182	2972494	-0.0	9.5	345.3
		Cargas muertas							46531	2852579	1643263	-0.0	4.1	146.9
		H 1							-0.0	-0.3	-0.3	0.0	0.0	1.3
		Sobrecarga de uso							35114	2153677	1239945	-0.0	4.9	179.8
		Viento +X exc.+							-3.9	10685	-141.5	905.7	-0.3	-32898
		Viento +X exc.-							-3.7	10693	-132.4	905.7	0.0	-31029
		Viento -X exc.+							3.9	-10685	141.5	-905.7	0.3	32898
		Viento -X exc.-							3.7	-10693	132.4	-905.7	-0.0	31029
		Viento +Y exc.+							-11.0	-430.5	34182	0.2	2878.0	191701
		Viento +Y exc.-							-13.0	-486.2	34116	0.0	2872.9	158709
		Viento -Y exc.+							11.0	430.5	-34182	-0.2	-2878	-191701
		Viento -Y exc.-							13.0	486.2	-34116	-0.0	-2873	-158709

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	981.5	-42.3	38.2	-25.6	24.0	-0.0	981.5	681.9	44171	-25.6	24.0	1167.8
		Cargas muertas	937.3	-17.5	12.3	-9.9	8.0	-0.0	937.3	674.1	42156	-9.9	8.0	452.8
		H 1	-0.3	0.1	-0.1	0.0	-0.1	0.0	-0.3	-0.1	-12.9	0.0	-0.1	-1.9
		Sobrecarga de uso	372.4	-17.2	12.6	-10.1	8.1	0.0	372.4	257.6	16757	-10.1	8.1	461.2
		Viento +X exc.+	-24.7	14.4	-0.7	9.8	0.6	-0.0	-24.7	-3.8	-1113	9.8	0.6	-439.2
		Viento +X exc.-	-26.9	14.3	-2.0	9.7	-0.2	-0.0	-26.9	-5.5	-1211	9.7	-0.2	-434.4
		Viento -X exc.+	24.7	-14.4	0.7	-9.8	-0.6	0.0	24.7	3.8	1113.2	-9.8	-0.6	439.2
		Viento -X exc.-	26.9	-14.3	2.0	-9.7	0.2	0.0	26.9	5.5	1211.0	-9.7	0.2	434.4
		Viento +Y exc.+	51.9	-0.6	21.6	-2.3	10.4	0.3	51.9	37.6	2353.7	-2.3	10.4	109.2
		Viento +Y exc.-	88.8	1.2	45.0	-0.1	23.7	0.1	88.8	66.7	4038.1	-0.1	23.7	22.9
		Viento -Y exc.+	-51.9	0.6	-21.6	2.3	-10.4	-0.3	-51.9	-37.6	-2354	2.3	-10.4	-109.2
		Viento -Y exc.-	-88.8	-1.2	-45.0	0.1	-23.7	-0.1	-88.8	-66.7	-4038	0.1	-23.7	-22.9
P2 [8.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1373.3	3.9	36.9	2.2	18.2	-0.0	1373.3	12004	61787	2.2	18.2	57.9
		Cargas muertas	993.8	1.3	3.6	0.6	-4.2	-0.0	993.8	8685.3	44691	0.6	-4.2	-63.7
		H 1	0.2	-0.0	-0.5	0.0	-0.2	0.0	0.2	1.5	7.2	0.0	-0.2	-1.6
		Sobrecarga de uso	551.0	0.8	12.3	0.4	5.8	0.0	551.0	4815.6	24789	0.4	5.8	30.7
		Viento +X exc.+	5.3	26.5	0.2	17.1	0.9	-0.0	5.3	72.8	238.4	17.1	0.9	-762.1
		Viento +X exc.-	2.6	26.3	-1.0	16.9	0.1	-0.0	2.6	49.0	116.1	16.9	0.1	-758.0
		Viento -X exc.+	-5.3	-26.5	-0.2	-17.1	-0.9	0.0	-5.3	-72.8	-238.4	-17.1	-0.9	762.1
		Viento -X exc.-	-2.6	-26.3	1.0	-16.9	-0.1	0.0	-2.6	-49.0	-116.1	-16.9	-0.1	758.0
		Viento +Y exc.+	65.9	-5.0	27.2	-4.6	14.2	0.3	65.9	570.5	2988.4	-4.6	14.2	331.7
		Viento +Y exc.-	112.3	0.2	49.7	-0.5	27.4	0.1	112.3	981.8	5100.8	-0.5	27.4	260.9
		Viento -Y exc.+	-65.9	5.0	-27.2	4.6	-14.2	-0.3	-65.9	-570.5	-2988	4.6	-14.2	-331.7
		Viento -Y exc.-	-112.3	-0.2	-49.7	0.5	-27.4	-0.1	-112.3	-981.8	-5101	0.5	-27.4	-260.9
P3 [16.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1350.6	4.1	34.5	1.6	17.2	-0.0	1350.6	22610	60764	1.6	17.2	214.6
		Cargas muertas	998.7	2.4	3.8	1.0	-4.3	-0.0	998.7	16718	44908	1.0	-4.3	-116.6
		H 1	0.1	-0.0	-0.5	0.0	-0.2	0.0	0.1	0.9	2.0	-0.0	-0.2	-2.6
		Sobrecarga de uso	534.7	0.9	12.1	0.3	5.8	0.0	534.7	8950.7	24055	0.3	5.8	81.3
		Viento +X exc.+	2.8	24.5	-0.0	16.1	0.7	-0.0	2.8	71.8	127.2	16.1	0.7	-714.8
		Viento +X exc.-	0.7	24.2	-1.0	15.9	0.1	-0.0	0.7	35.6	29.4	15.9	0.1	-715.1
		Viento -X exc.+	-2.8	-24.5	0.0	-16.1	-0.7	0.0	-2.8	-71.8	-127.2	-16.1	-0.7	714.8
		Viento -X exc.-	-0.7	-24.2	1.0	-15.9	-0.1	0.0	-0.7	-35.6	-29.4	-15.9	-0.1	715.1
		Viento +Y exc.+	69.8	-4.3	31.0	-4.3	16.8	0.3	69.8	1164.6	3171.1	-4.3	16.8	474.5
		Viento +Y exc.-	106.8	0.3	49.0	-0.4	27.4	0.1	106.8	1788.1	4851.7	-0.4	27.4	478.4
		Viento -Y exc.+	-69.8	4.3	-31.0	4.3	-16.8	-0.3	-69.8	-1165	-3171	4.3	-16.8	-474.5
		Viento -Y exc.-	-106.8	-0.3	-49.0	0.4	-27.4	-0.1	-106.8	-1788	-4852	0.4	-27.4	-478.4
P4 [24.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1367.9	4.5	35.6	2.2	17.8	-0.0	1367.9	33844	61544	2.2	17.8	339.6
		Cargas muertas	1007.0	2.6	3.8	1.1	-4.2	-0.0	1007.0	24913	45282	1.1	-4.2	-155.7
		H 1	0.1	-0.0	-0.5	-0.0	-0.2	0.0	0.1	1.6	2.5	-0.0	-0.2	-3.9
		Sobrecarga de uso	543.8	1.2	12.3	0.5	5.9	0.0	543.8	13453	24463	0.5	5.9	122.8
		Viento +X exc.+	3.6	24.3	0.5	16.2	0.8	-0.0	3.6	114.1	163.6	16.2	0.8	-708.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	1.8	24.1	-0.4	16.0	0.3	-0.0	1.8	68.5	80.3	16.0	0.3	-711.1
		Viento -X exc.+	-3.6	-24.3	-0.5	-16.2	-0.8	0.0	-3.6	-114.1	-163.6	-16.2	-0.8	708.0
		Viento -X exc.-	-1.8	-24.1	0.4	-16.0	-0.3	0.0	-1.8	-68.5	-80.3	-16.0	-0.3	711.1
		Viento +Y exc.+	85.3	-5.1	36.9	-4.8	20.4	0.3	85.3	2106.0	3874.1	-4.8	20.4	723.4
		Viento +Y exc.-	116.7	-0.9	51.7	-1.2	29.0	0.1	116.7	2885.9	5299.0	-1.2	29.0	772.4
		Viento -Y exc.+	-85.3	5.1	-36.9	4.8	-20.4	-0.3	-85.3	-2106	-3874	4.8	-20.4	-723.4
		Viento -Y exc.-	-116.7	0.9	-51.7	1.2	-29.0	-0.1	-116.7	-2886	-5299	1.2	-29.0	-772.4
P5 [32.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1318.0	5.1	28.3	2.0	13.2	-0.0	1318.0	43155	59293	2.0	13.2	339.3
		Cargas muertas	991.2	2.9	0.5	1.1	-6.3	-0.0	991.2	32453	44569	1.1	-6.3	-254.0
		H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	2.2	2.5	-0.0	-0.2	-5.0
		Sobrecarga de uso	522.1	1.1	9.1	0.4	3.9	0.0	522.1	17092	23483	0.4	3.9	110.6
		Viento +X exc.+	4.6	24.5	1.1	16.2	0.9	-0.0	4.6	174.4	207.0	16.2	0.9	-699.9
		Viento +X exc.-	2.3	24.3	0.3	16.0	0.5	-0.0	2.3	100.1	104.4	16.0	0.5	-705.4
		Viento -X exc.+	-4.6	-24.5	-1.1	-16.2	-0.9	0.0	-4.6	-174.4	-207.0	-16.2	-0.9	699.9
		Viento -X exc.-	-2.3	-24.3	-0.3	-16.0	-0.5	0.0	-2.3	-100.1	-104.4	-16.0	-0.5	705.4
		Viento +Y exc.+	154.5	-5.6	51.4	-5.1	29.1	0.3	154.5	5053.2	6999.5	-5.1	29.1	1179.8
		Viento +Y exc.-	193.3	-1.3	64.9	-1.3	36.8	0.1	193.3	6327.7	8757.6	-1.3	36.8	1265.4
P6 [40.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Viento -Y exc.+	-154.5	5.6	-51.4	5.1	-29.1	-0.3	-154.5	-5053	-7000	5.1	-29.1	-1180
		Viento -Y exc.-	-193.3	1.3	-64.9	1.3	-36.8	-0.1	-193.3	-6328	-8758	1.3	-36.8	-1265
		Peso propio	1293.6	5.8	26.1	2.6	12.0	-0.0	1293.6	52706	58194	2.6	12.0	372.9
		Cargas muertas	980.4	2.3	-0.1	1.2	-6.7	-0.0	980.4	39942	44084	1.2	-6.7	-325.6
		H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	3.0	2.9	-0.0	-0.2	-6.2
		Sobrecarga de uso	512.9	1.5	8.7	0.6	3.7	0.0	512.9	20896	23071	0.6	3.7	119.7
		Viento +X exc.+	-1.0	24.9	0.2	16.4	0.2	-0.0	-1.0	-15.6	-44.4	16.4	0.2	-729.6
		Viento +X exc.-	-2.4	24.6	-0.3	16.2	-0.0	-0.0	-2.4	-72.7	-107.7	16.2	-0.0	-730.8
		Viento -X exc.+	1.0	-24.9	-0.2	-16.4	-0.2	0.0	1.0	15.6	44.4	-16.4	-0.2	729.6
		Viento -X exc.-	2.4	-24.6	0.3	-16.2	0.0	0.0	2.4	72.7	107.7	-16.2	0.0	730.8
P7 [48.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Viento +Y exc.+	164.9	-3.8	57.4	-4.1	32.8	0.3	164.9	6715.3	7473.7	-4.1	32.8	1520.8
		Viento +Y exc.-	188.2	1.0	65.7	-0.1	37.5	0.1	188.2	7667.8	8528.0	-0.1	37.5	1531.1
		Viento -Y exc.+	-164.9	3.8	-57.4	4.1	-32.8	-0.3	-164.9	-6715	-7474	4.1	-32.8	-1521
		Viento -Y exc.-	-188.2	-1.0	-65.7	0.1	-37.5	-0.1	-188.2	-7668	-8528	0.1	-37.5	-1531
		Peso propio	1458.1	-28.0	39.2	-16.2	18.7	-0.0	1458.1	71038	65604	-16.2	18.7	1641.1
		Cargas muertas	1025.0	-8.7	5.5	-6.2	-3.8	-0.0	1025.0	49950	46096	-6.2	-3.8	93.9
		H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	2.9	2.2	-0.0	-0.2	-7.6
		Sobrecarga de uso	562.6	-7.5	13.1	-4.5	6.0	0.0	562.6	27410	25308	-4.5	6.0	493.5
		Viento +X exc.+	8.2	17.9	1.0	12.4	0.4	-0.0	8.2	416.1	368.4	12.4	0.4	-540.6
		Viento +X exc.-	7.7	17.7	0.8	12.3	0.3	-0.0	7.7	393.6	347.6	12.3	0.3	-537.4
P8 [56.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Viento -X exc.+	-8.2	-17.9	-1.0	-12.4	-0.4	0.0	-8.2	-416.1	-368.4	-12.4	-0.4	540.6
		Viento -X exc.-	-7.7	-17.7	-0.8	-12.3	-0.3	0.0	-7.7	-393.6	-347.6	-12.3	-0.3	537.4
		Viento +Y exc.+	106.7	-1.0	47.0	-2.7	27.6	0.3	106.7	5200.3	4845.6	-2.7	27.6	1467.4
		Viento +Y exc.-	114.3	1.9	49.7	0.2	28.9	0.1	114.3	5575.0	5191.3	0.2	28.9	1397.1
		Viento -Y exc.+	-106.7	1.0	-47.0	2.7	-27.6	-0.3	-106.7	-5200	-4846	2.7	-27.6	-1467
		Viento -Y exc.-	-114.3	-1.9	-49.7	-0.2	-28.9	-0.1	-114.3	-5575	-5191	-0.2	-28.9	-1397
		Peso propio	1334.9	4.6	32.9	1.9	15.5	-0.0	1334.9	75743	60055	1.9	15.5	791.9
		Cargas muertas	990.1	0.1	3.2	-0.2	-5.5	-0.0	990.1	56174	44521	-0.2	-5.5	-300.8
		H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	3.5	2.3	-0.0	-0.2	-8.5
		Sobrecarga de uso	531.4	0.2	11.8	-0.1	5.3	0.0	531.4	30152	23907	-0.1	5.3	305.7
P9 [64.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Viento +X exc.+	-6.8	23.3	0.7	15.8	0.1	-0.0	-6.8	-361.5	-304.3	15.8	0.1	-706.2
		Viento +X exc.-	-6.6	23.1	0.7	15.6	0.1	-0.0	-6.6	-352.4	-296.8	15.6	0.1	-694.0
		Viento -X exc.+	6.8	-23.3	-0.7	-15.8	-0.1	0.0	6.8	361.5	304.3	-15.8	-0.1	706.2
		Viento -X exc.-	6.6	-23.1	-0.7	-15.6	-0.1	0.0	6.6	352.4	296.8	-15.6	-0.1	694.0
		Viento +Y exc.+	109.4	-3.9	49.4	-4.3	29.6	0.3	109.4	6206.0	4970.7	-4.3	29.6	1873.7
		Viento +Y exc.-	106.5	0.2	48.0	-0.7	28.4	0.1	106.5	6040.3	4834.7	-0.7	28.4	1643.1
		Viento -Y exc.+	-109.4	3.9	-49.4	4.3	-29.6	-0.3	-109.4	-6206	-4971	4.3	-29.6	-1874
		Viento -Y exc.-	-106.5	-0.2	-48.0	0.7	-28.4	-0.1	-106.5	-6040	-4835	0.7	-28.4	-1643
		Peso propio	1340.3	-0.3	30.1	-0.7	14.2	-0.0	1340.3	86769	60297	-0.7	14.2	950.3
		Cargas muertas	1003.0	-0.3	2.9	-0.7	-5.6	-0.0	1003.0	64934	45104	-0.7	-5.6	-331.7
H 1	0.1	-0.0	-0.4	-0.0	-0.2	0.0	0.1	4.5	2.7	-0.0	-0.2	-9.9		
Sobrecarga de uso	539.6	-0.5	11.7	-0.5	5.4	0.0	539.6	34930	24273	-0.5	5.4	367.7		
Viento +X exc.+	-0.0	23.2	1.2	15.8	0.2	-0.0	-0.0	21.4	-0.1	15.8	0.2	-700.6		
Viento +X exc.-	0.5	23.0	1.5	15.6	0.4	-0.0	0.5	53.0	22.3	15.6	0.4	-679.7		
Viento -X exc.+	0.0	-23.2	-1.2	-15.8	-0.2	0.0	0.0	-21.4	0.1	-15.8	-0.2	700.6		
Viento -X exc.-	-0.5	-23.0	-1.5	-15.6	-0.4	0.0	-0.5	-53.0	-22.3	-15.6	-0.4	679.7		
Viento +Y exc.+	113.7	-3.8	52.7	-4.2	31.8	0.3	113.7	7357.1	5165.3	-4.2	31.8	2250.2		
Viento +Y exc.-	104.7	0.4	47.6	-0.5	28.4	0.1	104.7	6778.8	4755.7	-0.5	28.4	1861.7		
Viento -Y exc.+	-113.7	3.8	-52.7	4.2	-31.8	-0.3	-113.7	-7357	-5165	4.2	-31.8	-2250.2		
Viento -Y exc.-														



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-104.7	-0.4	-47.6	0.5	-28.4	-0.1	-104.7	-6779	-4756	0.5	-28.4	-1862
P10 [72.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1353.0	-0.9	28.2	-0.1	13.6	-0.0	1353.0	98411	60864	-0.1	13.6	995.9
		Cargas muertas	1005.7	-0.7	0.4	-0.1	-6.5	-0.0	1005.7	73155	45223	-0.1	-6.5	-464.0
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	4.6	2.5	-0.0	-0.1	-10.5
		Sobrecarga de uso	540.4	-0.4	11.2	-0.1	5.2	0.0	540.4	39311	24312	-0.1	5.2	383.3
		Viento +X exc.+	0.8	24.4	2.1	16.3	0.4	-0.0	0.8	85.6	40.0	16.3	0.4	-704.7
		Viento +X exc.-	1.8	24.2	2.5	16.1	0.7	-0.0	1.8	152.8	82.1	16.1	0.7	-672.2
		Viento -X exc.+	-0.8	-24.4	-2.1	-16.3	-0.4	0.0	-0.8	-85.6	-40.0	-16.3	-0.4	704.7
		Viento -X exc.-	-1.8	-24.2	-2.5	-16.1	-0.7	0.0	-1.8	-152.8	-82.1	-16.1	-0.7	672.2
		Viento +Y exc.+	123.9	-3.7	59.2	-4.2	35.5	0.3	123.9	9007.4	5629.6	-4.2	35.5	2769.1
		Viento +Y exc.-	107.2	0.8	50.0	-0.4	29.6	0.1	107.2	7801.6	4872.3	-0.4	29.6	2171.5
		Viento -Y exc.+	-123.9	3.7	-59.2	4.2	-35.5	-0.3	-123.9	-9007	-5630	4.2	-35.5	-2769
		Viento -Y exc.-	-107.2	-0.8	-50.0	0.4	-29.6	-0.1	-107.2	-7802	-4872	0.4	-29.6	-2172
P11 [80.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1341.0	-0.6	25.9	0.5	12.4	-0.0	1341.0	108271	60325	0.5	12.4	973.3
		Cargas muertas	1003.6	-1.2	-0.4	0.2	-7.1	-0.0	1003.6	81025	45125	0.2	-7.1	-577.2
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	5.6	2.7	-0.0	-0.1	-11.5
		Sobrecarga de uso	539.5	-0.8	10.6	-0.1	4.9	0.0	539.5	43557	24269	-0.1	4.9	398.8
		Viento +X exc.+	-0.7	24.2	2.0	16.3	0.2	-0.0	-0.7	-35.5	-31.2	16.3	0.2	-715.2
		Viento +X exc.-	0.6	24.0	2.7	16.0	0.6	-0.0	0.6	74.0	30.5	16.0	0.6	-669.7
		Viento -X exc.+	0.7	-24.2	-2.0	-16.3	-0.2	0.0	0.7	35.5	31.2	-16.3	-0.2	715.2
		Viento -X exc.-	-0.6	-24.0	-2.7	-16.0	-0.6	0.0	-0.6	-74.0	-30.5	-16.0	-0.6	669.7
		Viento +Y exc.+	128.7	-3.3	62.7	-4.0	37.9	0.3	128.7	10384	5847.8	-4.0	37.9	3237.8
		Viento +Y exc.-	104.6	1.0	49.6	-0.2	29.7	0.1	104.6	8443.7	4751.5	-0.2	29.7	2406.8
		Viento -Y exc.+	-128.7	3.3	-62.7	4.0	-37.9	-0.3	-128.7	-10384	-5848	4.0	-37.9	-3238
		Viento -Y exc.-	-104.6	-1.0	-49.6	0.2	-29.7	-0.1	-104.6	-8444	-4751	0.2	-29.7	-2407
P12 [88.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1349.9	-0.3	26.0	0.7	12.2	-0.0	1349.9	119791	60726	0.7	12.2	1047.9
		Cargas muertas	1006.9	-0.9	-0.2	0.2	-7.1	-0.0	1006.9	89351	45275	0.2	-7.1	-635.0
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	6.2	2.7	-0.0	-0.1	-12.5
		Sobrecarga de uso	539.9	-0.5	10.8	0.0	4.9	0.0	539.9	47912	24289	0.0	4.9	434.9
		Viento +X exc.+	-0.1	24.5	2.2	16.3	0.1	-0.0	-0.1	13.9	-3.1	16.3	0.1	-723.2
		Viento +X exc.-	1.7	24.2	3.1	16.1	0.7	-0.0	1.7	175.0	79.4	16.1	0.7	-662.5
		Viento -X exc.+	0.1	-24.5	-2.2	-16.3	-0.1	0.0	0.1	-13.9	3.1	-16.3	-0.1	723.2
		Viento -X exc.-	-1.7	-24.2	-3.1	-16.1	-0.7	0.0	-1.7	-175.0	-79.4	-16.1	-0.7	662.5
		Viento +Y exc.+	140.0	-3.7	66.0	-4.1	40.4	0.3	140.0	12420	6361.1	-4.1	40.4	3769.9
		Viento +Y exc.-	107.9	0.8	49.2	-0.3	29.9	0.1	107.9	9573.1	4899.6	-0.3	29.9	2664.5
		Viento -Y exc.+	-140.0	3.7	-66.0	4.1	-40.4	-0.3	-140.0	-12420	-6361	4.1	-40.4	-3770
		Viento -Y exc.-	-107.9	-0.8	-49.2	0.3	-29.9	-0.1	-107.9	-9573	-4900	0.3	-29.9	-2665
P13 [96.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1352.0	0.4	24.7	0.4	11.7	-0.0	1352.0	130792	60818	0.4	11.7	1118.1
		Cargas muertas	1005.0	-0.4	-0.7	0.0	-7.2	-0.0	1005.0	97222	45189	0.0	-7.2	-695.8
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	7.1	2.9	-0.0	-0.1	-13.2
		Sobrecarga de uso	539.8	-0.0	10.7	0.0	4.9	0.0	539.8	52217	24282	0.0	4.9	473.8
		Viento +X exc.+	-1.5	25.3	2.0	16.5	-0.2	-0.0	-1.5	-119.6	-65.4	16.5	-0.2	-756.3
		Viento +X exc.-	0.8	25.0	3.0	16.3	0.6	-0.0	0.8	103.8	39.6	16.3	0.6	-677.7
		Viento -X exc.+	1.5	-25.3	-2.0	-16.5	0.2	0.0	1.5	119.6	65.4	-16.5	0.2	756.3
		Viento -X exc.-	-0.8	-25.0	-3.0	-16.3	-0.6	0.0	-0.8	-103.8	-39.6	-16.3	-0.6	677.7
		Viento +Y exc.+	149.0	-4.4	70.5	-4.3	43.1	0.3	149.0	14408	6769.6	-4.3	43.1	4362.0
		Viento +Y exc.-	108.4	0.4	49.5	-0.4	30.2	0.1	108.4	10491	4925.8	-0.4	30.2	2936.9
		Viento -Y exc.+	-149.0	4.4	-70.5	4.3	-43.1	-0.3	-149.0	-14408	-6770	4.3	-43.1	-4362
		Viento -Y exc.-	-108.4	-0.4	-49.5	0.4	-30.2	-0.1	-108.4	-10491	-4926	0.4	-30.2	-2937
P14 [104.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1374.1	2.4	28.5	1.1	14.0	-0.0	1374.1	143919	61813	1.1	14.0	1417.6
		Cargas muertas	1016.5	1.1	1.4	0.4	-6.2	-0.0	1016.5	106471	45710	0.4	-6.2	-664.0
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	6.4	2.4	-0.0	-0.1	-14.5
		Sobrecarga de uso	547.4	0.3	11.7	0.0	5.5	0.0	547.4	57329	24623	0.0	5.5	578.2
		Viento +X exc.+	-2.9	24.3	1.7	16.1	-0.4	-0.0	-2.9	-277.9	-128.0	16.1	-0.4	-770.6
		Viento +X exc.-	-0.1	24.1	3.0	15.9	0.4	-0.0	-0.1	16.8	-0.1	15.9	0.4	-672.0
		Viento -X exc.+	2.9	-24.3	-1.7	-16.1	0.4	0.0	2.9	277.9	128.0	-16.1	0.4	770.6
		Viento -X exc.-	0.1	-24.1	-3.0	-15.9	-0.4	0.0	0.1	-16.8	0.1	-15.9	-0.4	672.0
		Viento +Y exc.+	162.6	-4.7	74.5	-4.5	45.8	0.3	162.6	17029	7387.0	-4.5	45.8	5004.5
		Viento +Y exc.-	113.1	0.0	49.5	-0.6	30.5	0.1	113.1	11850	5137.0	-0.6	30.5	3222.2
		Viento -Y exc.+	-162.6	4.7	-74.5	4.5	-45.8	-0.3	-162.6	-17029	-7387	4.5	-45.8	-5004
		Viento -Y exc.-	-113.1	-0.0	-49.5	0.6	-30.5	-0.1	-113.1	-11850	-5137	0.6	-30.5	-3222
P15 [112.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1405.0	4.3	29.1	1.8	14.4	-0.0	1405.0	158403	63205	1.8	14.4	1539.9
		Cargas muertas	1017.5	1.9	1.8	1.1	-5.9	-0.0	1017.5	114714	45754	1.1	-5.9	-708.7
		H 1	0.1	-0.0	-0.4	-0.0	-0.1	0.0	0.1	16.9	6.3	-0.0	-0.1	-15.1
		Sobrecarga de uso	567.0	0.8	12.1	0.3	5.7	0.0	567.0	63919	25505	0.3	5.7	629.6
		Viento +X exc.+	-5.8	25.0	1.5	16.6	-0.7	-0.0	-5.8	-628.8	-259.3	16.6	-0.7	-829.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-2.4	24.8	3.0	16.4	0.3	-0.0	-2.4	-248.3	-105.9	16.4	0.3	-707.2
		Viento -X exc.+	5.8	-25.0	-1.5	-16.6	0.7	0.0	5.8	628.8	259.3	-16.6	0.7	829.4
		Viento -X exc.-	2.4	-24.8	-3.0	-16.4	-0.3	0.0	2.4	248.3	105.9	-16.4	-0.3	707.2
		Viento +Y exc.+	173.0	-5.0	79.5	-4.7	49.0	0.3	173.0	19499	7858.4	-4.7	49.0	5732.3
		Viento +Y exc.-	114.1	-0.1	50.3	-0.7	31.1	0.1	114.1	12861	5179.8	-0.7	31.1	3532.7
		Viento -Y exc.+	-173.0	5.0	-79.5	4.7	-49.0	-0.3	-173.0	-19499	-7858	4.7	-49.0	-5732
		Viento -Y exc.-	-114.1	0.1	-50.3	0.7	-31.1	-0.1	-114.1	-12861	-5180	0.7	-31.1	-3533
		Peso propio	982.0	44.3	24.5	26.7	16.4	-0.0	982.0	118604	44178	26.7	16.4	778.6
		Cargas muertas	948.2	17.3	6.3	10.3	4.0	-0.0	948.2	114497	42640	10.3	4.0	15.6
		H 1	-0.3	-0.1	-0.0	-0.0	-0.0	0.0	-0.3	-30.9	-11.5	-0.0	-0.0	-0.2
P17 [120.738;44.965;0.0 grados] (Diámetro 60)	10.60/13.85	Sobrecarga de uso	372.8	16.9	10.6	10.0	6.9	0.0	372.8	45024	16772	10.0	6.9	383.7
		Viento +X exc.+	24.6	13.5	2.8	9.4	-0.2	-0.0	24.6	2980.2	1107.7	9.4	-0.2	-447.1
		Viento +X exc.-	27.5	13.4	4.4	9.2	0.8	-0.0	27.5	3332.5	1240.5	9.2	0.8	-319.7
		Viento -X exc.+	-24.6	-13.5	-2.8	-9.4	0.2	0.0	-24.6	-2980	-1108	-9.4	0.2	447.1
		Viento -X exc.-	-27.5	-13.4	-4.4	-9.2	-0.8	0.0	-27.5	-3332	-1240	-9.2	-0.8	319.7
		Viento +Y exc.+	148.1	-0.0	77.9	-1.8	46.5	0.3	148.1	17884	6738.3	-1.8	46.5	5695.0
		Viento +Y exc.-	97.1	1.4	46.9	0.2	28.2	0.1	97.1	11726	4413.2	0.2	28.2	3397.1
		Viento -Y exc.+	-148.1	0.0	-77.9	1.8	-46.5	-0.3	-148.1	-17884	-6738	1.8	-46.5	-5695
		Viento -Y exc.-	-97.1	-1.4	-46.9	-0.2	-28.2	-0.1	-97.1	-11726	-4413	-0.2	-28.2	-3397
		Peso propio	1323.7	-42.5	4.5	-25.2	2.1	-0.0	1323.7	868.0	50920	-25.2	2.1	970.4
P18 [8.688;38.465;0.0 grados] (Diámetro 50)	10.60/13.85	Cargas muertas	893.7	-9.2	1.2	-2.5	0.5	-0.0	893.7	605.5	34377	-2.5	0.5	94.8
		H 1	0.3	0.3	-0.0	0.1	-0.0	0.0	0.3	0.5	12.3	0.1	-0.0	-3.7
		Sobrecarga de uso	534.4	-17.1	1.2	-10.0	0.6	0.0	534.4	350.5	20557	-10.0	0.6	384.1
		Viento +X exc.+	-30.2	16.3	2.8	10.2	1.9	-0.0	-30.2	-4.4	-1159	10.2	1.9	-392.4
		Viento +X exc.-	-29.8	16.3	1.0	10.2	0.9	-0.0	-29.8	-4.2	-1145	10.2	0.9	-390.7
		Viento -X exc.+	30.2	-16.3	-2.8	-10.2	-1.9	0.0	30.2	4.4	1158.9	-10.2	-1.9	392.4
		Viento -X exc.-	29.8	-16.3	-1.0	-10.2	-0.9	0.0	29.8	4.2	1144.8	-10.2	-0.9	390.7
		Viento +Y exc.+	-2.8	-0.9	21.4	-1.3	12.0	0.1	-2.8	-2.9	-85.8	-1.3	12.0	56.9
		Viento +Y exc.-	-10.0	0.1	52.7	-0.2	30.4	0.0	-10.0	-6.8	-333.6	-0.2	30.4	28.9
		Viento -Y exc.+	2.8	0.9	-21.4	1.3	-12.0	-0.1	2.8	2.9	85.8	1.3	-12.0	-56.9
P19 [8.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento -Y exc.-	10.0	-0.1	-52.7	0.2	-30.4	-0.0	10.0	6.8	333.6	0.2	-30.4	-28.9
		Peso propio	1841.2	19.9	-13.3	11.8	-8.4	-0.0	1841.2	16108	70810	11.8	-8.4	-526.3
		Cargas muertas	690.6	11.0	-9.4	5.8	-5.5	-0.0	690.6	6045.0	26553	5.8	-5.5	-269.7
		H 1	-0.1	-0.1	0.1	-0.0	0.0	0.0	-0.1	-1.4	-5.4	-0.0	0.0	2.0
		Sobrecarga de uso	758.2	6.8	-5.5	4.0	-3.4	0.0	758.2	6631.4	29157	4.0	-3.4	-184.6
		Viento +X exc.+	7.8	24.1	1.3	15.5	1.3	-0.0	7.8	92.4	302.0	15.5	1.3	-583.6
		Viento +X exc.-	8.6	24.1	-0.4	15.4	0.3	-0.0	8.6	98.9	328.8	15.4	0.3	-589.8
		Viento -X exc.+	-7.8	-24.1	-1.3	-15.5	-1.3	0.0	-7.8	-92.4	-302.0	-15.5	-1.3	583.6
		Viento -X exc.-	-8.6	-24.1	0.4	-15.4	-0.3	0.0	-8.6	-98.9	-328.8	-15.4	-0.3	589.8
		Viento +Y exc.+	-15.9	-1.2	32.2	-2.0	17.6	0.2	-15.9	-140.2	-579.7	-2.0	17.6	230.9
P20 [24.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento +Y exc.-	-28.8	-0.8	60.9	-0.9	34.5	0.0	-28.8	-252.6	-1047	-0.9	34.5	337.7
		Viento -Y exc.+	15.9	1.2	-32.2	2.0	-17.6	-0.2	15.9	140.2	579.7	2.0	-17.6	-230.9
		Viento -Y exc.-	28.8	0.8	-60.9	0.9	-34.5	-0.0	28.8	252.6	1047.5	0.9	-34.5	-337.7
		Peso propio	2009.7	-1.3	5.2	-0.7	2.7	-0.0	2009.7	33637	77308	-0.7	2.7	72.2
		Cargas muertas	799.4	-0.4	0.2	-0.2	0.2	-0.0	799.4	13380	30750	-0.2	0.2	9.5
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-1.4	-3.1	0.0	0.0	0.5
		Sobrecarga de uso	842.9	-0.6	2.1	-0.3	1.2	0.0	842.9	14108	32424	-0.3	1.2	30.2
		Viento +X exc.+	-0.2	26.1	2.0	16.7	1.6	-0.0	-0.2	23.4	-4.1	16.7	1.6	-615.1
		Viento +X exc.-	-0.1	26.0	0.5	16.6	0.6	-0.0	-0.1	24.8	-2.2	16.6	0.6	-626.5
		Viento -X exc.+	0.2	-26.1	-2.0	-16.7	-1.6	0.0	0.2	-23.4	4.1	-16.7	-1.6	615.1
P20 [24.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento -X exc.-	0.1	-26.0	-0.5	-16.6	-0.6	0.0	0.1	-24.8	2.2	-16.6	-0.6	626.5
		Viento +Y exc.+	-1.7	-1.3	41.2	-2.0	23.5	0.2	-1.7	-29.7	-24.3	-2.0	23.5	470.1
		Viento +Y exc.-	-3.2	0.0	67.1	-0.3	38.9	0.0	-3.2	-54.2	-57.6	-0.3	38.9	664.3
		Viento -Y exc.+	1.7	1.3	-41.2	2.0	-23.5	-0.2	1.7	29.7	24.3	2.0	-23.5	-470.1
		Viento -Y exc.-	3.2	-0.0	-67.1	0.3	-38.9	-0.0	3.2	54.2	57.6	0.3	-38.9	-664.3
		Peso propio	1689.7	-3.9	-12.9	-2.4	-8.3	-0.0	1689.7	41795	64981	-2.4	-8.3	-110.8
		Cargas muertas	644.5	-3.2	-9.4	-1.7	-5.5	-0.0	644.5	15941	24782	-1.7	-5.5	-70.0
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-1.8	-2.8	0.0	0.0	0.9
		Sobrecarga de uso	691.2	-1.1	-4.6	-0.8	-2.9	0.0	691.2	17098	26583	-0.8	-2.9	-42.3
		Viento +X exc.+	-7.7	23.9	1.2	15.3	1.0	-0.0	-7.7	-167.0	-295.7	15.3	1.0	-561.8
P20 [24.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento +X exc.-	-7.4	23.9	0.1	15.2	0.4	-0.0	-7.4	-160.3	-286.3	15.2	0.4	-574.4
		Viento -X exc.+	7.7	-23.9	-1.2	-15.3	-1.0	0.0	7.7	167.0	295.7	-15.3	-1.0	561.8
		Viento -X exc.-	7.4	-23.9	-0.1	-15.2	-0.4	0.0	7.4	160.3	286.3	-15.2	-0.4	574.4
		Viento +Y exc.+	-2.1	-1.9	42.5	-2.3	24.1	0.2	-2.1	-53.5	-37.9	-2.3	24.1	685.3
		Viento +Y exc.-	-6.5	-1.3	60.6	-1.1	34.6	0.0	-6.5	-163.3	-191.3	-1.1	34.6	899.2
		Viento -Y exc.+	2.1	1.9	-42.5	2.3	-24.1	-0.2	2.1	53.5	37.9	2.3	-24.1	-685.3
		Peso propio	1689.7	-3.9	-12.9	-2.4	-8.3	-0.0	1689.7	41795	64981	-2.4	-8.3	-110.8
		Cargas muertas	644.5	-3.2	-9.4	-1.7	-5.5	-0.0	644.5	15941	24782	-1.7	-5.5	-70.0
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-1.8	-2.8	0.0	0.0	0.9
		Sobrecarga de uso	691.2	-1.1	-4.6	-0.8	-2.9	0.0	691.2	17098	26583	-0.8	-2.9	-42.3
		Viento +X exc.+	-7.7	23.9	1.2	15.3	1.0	-0.0	-7.7	-167.0	-295.7	15.3	1.0	-561.8
		Viento +X exc.-	-7.4	23.9	0.1	15.2	0.4	-0.0	-7.4	-160.3	-286.3	15.2	0.4	-574.4
		Viento -X exc.+	7.7	-23.9	-1.2	-15.3	-1.0	0.0	7.7	167.0	295.7	-15.3	-1.0	561.8
		Viento -X exc.-	7.4	-23.9	-0.1	-15.2	-0.4	0.0	7.4	160.3	286.3	-15.2	-0.4	574.4
		Viento +Y exc.+	-2.1	-1.9	42.5	-2.3	24.1	0.2	-2.1	-53.5	-37.9	-2.3	24.1	685.3
		Viento +Y exc.-	-6.5	-1.3	60.6	-1.1	34.6	0.0	-6.5	-163.3	-191.3	-1.1	34.6	899.2
		Viento -Y exc.+	2.1	1.9	-42.5	2.3	-24.1	-0.2	2.1	53.5	37.9	2.3	-24.1	-685.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	6.5	1.3	-60.6	1.1	-34.6	-0.0	6.5	163.3	191.3	1.1	-34.6	-899.2
P21 [32.738;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	580.5	8.6	-10.4	2.4	-11.6	0.2	580.5	19012	22317	2.4	-11.6	-473.1
		Cargas muertas	219.1	5.0	-4.9	2.0	-5.8	0.2	219.1	7179.0	8424.1	2.0	-5.8	-264.9
		H 1	0.3	-0.0	0.0	0.0	0.1	-0.0	0.3	11.1	13.1	0.0	0.1	2.2
		Sobrecarga de uso	215.1	3.3	-3.3	1.5	-3.0	0.1	215.1	7046.3	8271.7	1.5	-3.0	-157.0
		Viento +X exc.+	-64.0	10.5	-4.4	7.4	-5.4	0.1	-64.0	-2085	-2467	7.4	-5.4	-460.1
		Viento +X exc.-	-67.2	10.7	-4.6	7.3	-5.8	0.1	-67.2	-2188	-2588	7.3	-5.8	-468.4
		Viento -X exc.+	64.0	-10.5	4.4	-7.4	5.4	-0.1	64.0	2085.4	2467.0	-7.4	5.4	460.1
		Viento -X exc.-	67.2	-10.7	4.6	-7.3	5.8	-0.1	67.2	2187.8	2587.8	-7.3	5.8	468.4
		Viento +Y exc.+	544.6	-8.4	21.6	5.7	48.5	-0.2	544.6	17822	20971	5.7	48.5	1369.1
		Viento +Y exc.-	643.2	-11.5	25.7	9.1	58.5	-0.4	643.2	21044	24765	9.1	58.5	1563.2
		Viento -Y exc.+	-544.6	8.4	-21.6	-5.7	-48.5	0.2	-544.6	-17822	-20971	-5.7	-48.5	-1369
		Viento -Y exc.-	-643.2	11.5	-25.7	-9.1	-58.5	0.4	-643.2	-21044	-24765	-9.1	-58.5	-1563
P22 [40.675;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	509.4	-4.1	-11.4	1.6	-16.4	-0.2	509.4	20714	19581	1.6	-16.4	-728.2
		Cargas muertas	195.7	-4.1	-5.5	-0.6	-8.3	-0.2	195.7	7958.0	7524.0	-0.6	-8.3	-315.2
		H 1	0.6	0.0	0.1	-0.0	0.1	0.0	0.6	22.5	21.3	-0.0	0.1	6.3
		Sobrecarga de uso	194.3	-2.5	-3.4	-0.9	-3.8	-0.1	194.3	7902.5	7472.1	-0.9	-3.8	-120.5
		Viento +X exc.+	12.9	11.3	3.6	8.4	3.8	0.1	12.9	537.7	501.4	8.4	3.8	-168.3
		Viento +X exc.-	5.8	11.3	3.3	8.4	3.1	0.1	5.8	247.0	226.2	8.4	3.1	-195.3
		Viento -X exc.+	-12.9	-11.3	-3.6	-8.4	-3.8	-0.1	-12.9	-537.7	-501.4	-8.4	-3.8	168.3
		Viento -X exc.-	-5.8	-11.3	-3.3	-8.4	-3.1	-0.1	-5.8	-247.0	-226.2	-8.4	-3.1	195.3
		Viento +Y exc.+	415.6	12.2	17.3	-7.2	39.1	0.5	415.6	16918	16005	-7.2	39.1	1868.0
		Viento +Y exc.-	540.4	13.1	22.2	-7.4	49.9	0.5	540.4	21994	20809	-7.4	49.9	2312.7
		Viento -Y exc.+	-415.6	-12.2	-17.3	7.2	-39.1	-0.5	-415.6	-16918	-16005	7.2	-39.1	-1868
		Viento -Y exc.-	-540.4	-13.1	-22.2	7.4	-49.9	-0.5	-540.4	-21994	-20809	7.4	-49.9	-2313
P23 [48.738;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	1885.6	-17.6	-21.2	-10.6	-12.2	-0.0	1885.6	91882	72508	-10.6	-12.2	-190.6
		Cargas muertas	708.0	-2.6	-10.6	-2.3	-6.2	-0.0	708.0	34503	27222	-2.3	-6.2	-215.5
		H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	-3.6	-2.7	-0.0	0.0	2.2
		Sobrecarga de uso	752.5	-4.2	-6.0	-2.6	-3.5	0.0	752.5	36669	28937	-2.6	-3.5	-71.6
		Viento +X exc.+	13.1	20.3	0.4	13.1	0.2	-0.0	13.1	660.6	505.8	13.1	0.2	-494.8
		Viento +X exc.-	13.1	20.3	0.3	13.0	0.1	-0.0	13.1	658.3	503.8	13.0	0.1	-496.5
		Viento -X exc.+	-13.1	-20.3	-0.4	-13.1	-0.2	0.0	-13.1	-660.6	-505.8	-13.1	-0.2	494.8
		Viento -X exc.-	-13.1	-20.3	-0.3	-13.0	-0.1	0.0	-13.1	-658.3	-503.8	-13.0	-0.1	496.5
		Viento +Y exc.+	-5.5	1.6	60.4	-0.3	35.1	0.2	-5.5	-266.7	-151.3	-0.3	35.1	1721.9
		Viento +Y exc.-	-4.6	2.1	62.9	0.9	36.4	0.0	-4.6	-220.8	-113.0	0.9	36.4	1739.2
		Viento -Y exc.+	5.5	-1.6	-60.4	0.3	-35.1	-0.2	5.5	266.7	151.3	0.3	-35.1	-1722
		Viento -Y exc.-	4.6	-2.1	-62.9	-0.9	-36.4	-0.0	4.6	220.8	113.0	-0.9	-36.4	-1739
P24 [56.738;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	1774.8	22.7	-21.8	12.6	-12.6	-0.0	1774.8	100723	68247	12.6	-12.6	-1197
		Cargas muertas	681.1	8.6	-11.3	4.7	-6.5	-0.0	681.1	38652	26186	4.7	-6.5	-548.6
		H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	-4.6	-3.0	-0.0	0.0	2.7
		Sobrecarga de uso	726.2	6.7	-6.8	3.7	-4.0	0.0	726.2	41211	27927	3.7	-4.0	-368.8
		Viento +X exc.+	-0.7	23.9	0.4	15.2	0.0	-0.0	-0.7	-15.4	-26.2	15.2	0.0	-583.5
		Viento +X exc.-	-0.7	23.8	0.5	15.1	0.1	-0.0	-0.7	-16.2	-26.6	15.1	0.1	-575.6
		Viento -X exc.+	0.7	-23.9	-0.4	-15.2	-0.0	0.0	0.7	15.4	26.2	-15.2	-0.0	583.5
		Viento -X exc.-	0.7	-23.8	-0.5	-15.1	-0.1	0.0	0.7	16.2	26.6	-15.1	-0.1	575.6
		Viento +Y exc.+	-23.1	-1.3	67.4	-1.9	39.4	0.2	-23.1	-1310	-819.6	-1.9	39.4	2310.0
		Viento +Y exc.-	-22.6	-0.3	64.9	-0.5	37.8	0.0	-22.6	-1282	-803.7	-0.5	37.8	2161.0
		Viento -Y exc.+	23.1	1.3	-67.4	1.9	-39.4	-0.2	23.1	1309.7	819.6	1.9	-39.4	-2310
		Viento -Y exc.-	22.6	0.3	-64.9	0.5	-37.8	-0.0	22.6	1281.6	803.7	0.5	-37.8	-2161
P25 [64.738;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	1980.3	-1.0	0.5	-0.4	0.2	-0.0	1980.3	128199	76172	-0.4	0.2	25.1
		Cargas muertas	789.7	-0.5	-1.5	-0.2	-0.9	-0.0	789.7	51121	30373	-0.2	-0.9	-47.2
		H 1	-0.1	-0.0	0.1	-0.0	0.0	0.0	-0.1	-5.4	-3.1	-0.0	0.0	3.0
		Sobrecarga de uso	835.9	-0.5	1.6	-0.2	0.9	0.0	835.9	54115	32155	-0.2	0.9	65.4
		Viento +X exc.+	-0.9	26.7	0.3	16.7	-0.2	-0.0	-0.9	-31.8	-34.5	16.7	-0.2	-653.2
		Viento +X exc.-	-1.0	26.6	0.8	16.6	0.1	-0.0	-1.0	-35.1	-35.9	16.6	0.1	-630.5
		Viento -X exc.+	0.9	-26.7	-0.3	-16.7	0.2	0.0	0.9	31.8	34.5	-16.7	0.2	653.2
		Viento -X exc.-	1.0	-26.6	-0.8	-16.6	-0.1	0.0	1.0	35.1	35.9	-16.6	-0.1	630.5
		Viento +Y exc.+	-6.8	-0.9	82.1	-1.7	47.5	0.2	-6.8	-440.2	-178.9	-1.7	47.5	3139.9
		Viento +Y exc.-	-5.8	0.5	73.3	-0.0	42.2	0.0	-5.8	-373.2	-148.7	-0.0	42.2	2733.5
		Viento -Y exc.+	6.8	0.9	-82.1	1.7	-47.5	-0.2	6.8	440.2	178.9	1.7	-47.5	-3140
		Viento -Y exc.-	5.8	-0.5	-73.3	0.0	-42.2	-0.0	5.8	373.2	148.7	0.0	-42.2	-2734
P26 [72.738;38.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	1813.6	-13.1	-16.0	-7.6	-9.0	-0.0	1813.6	131904	69743	-7.6	-9.0	-360.7
		Cargas muertas	711.3	-6.7	-8.8	-3.8	-4.9	-0.0	711.3	51730	27350	-3.8	-4.9	-209.2
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-5.9	-3.0	0.0	0.0	3.5
		Sobrecarga de uso	756.5	-5.3	-4.2	-3.0	-2.3	0.0	756.5	55022	29095	-3.0	-2.3	-52.0
		Viento +X exc.+	-4.8	24.4	0.6	15.4	-0.1	-0.0	-4.8	-323.1	-183.2	15.4	-0.1	-599.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-5.0	24.4	1.3	15.3	0.3	-0.0	-5.0	-339.4	-191.1	15.3	0.3	-564.7
		Viento -X exc.+	4.8	-24.4	-0.6	-15.4	0.1	0.0	4.8	323.1	183.2	-15.4	0.1	599.8
		Viento -X exc.-	5.0	-24.4	-1.3	-15.3	-0.3	0.0	5.0	339.4	191.1	-15.3	-0.3	564.7
		Viento +Y exc.+	-28.7	0.3	79.9	-1.0	46.7	0.2	-28.7	-2091	-1026	-1.0	46.7	3436.9
		Viento +Y exc.-	-24.6	1.2	66.8	0.3	38.9	0.0	-24.6	-1790	-880.5	0.3	38.9	2813.7
		Viento -Y exc.+	28.7	-0.3	-79.9	1.0	-46.7	-0.2	28.7	2090.7	1025.9	1.0	-46.7	-3437
		Viento -Y exc.-	24.6	-1.2	-66.8	-0.3	-38.9	-0.0	24.6	1790.0	880.5	-0.3	-38.9	-2814
		Peso propio	1994.4	-2.2	-0.1	-0.8	-0.1	-0.0	1994.4	161019	76713	-0.8	-0.1	19.0
		Cargas muertas	798.4	-1.7	-1.5	-0.7	-0.8	-0.0	798.4	64458	30708	-0.7	-0.8	-37.5
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-7.3	-3.4	0.0	0.0	3.8
P27 [80.738;38.465;0.0 grados] (50x50)	10.60/13.85	Sobrecarga de uso	847.0	-1.0	2.4	-0.5	1.3	0.0	847.0	68382	32581	-0.5	1.3	124.5
		Viento +X exc.+	2.4	27.9	-0.2	17.3	-0.7	-0.0	2.4	221.8	92.1	17.3	-0.7	-719.0
		Viento +X exc.-	2.3	27.8	1.0	17.2	0.0	-0.0	2.3	213.2	89.3	17.2	0.0	-658.1
		Viento -X exc.+	-2.4	-27.9	0.2	-17.3	0.7	0.0	-2.4	-221.8	-92.1	-17.3	0.7	719.0
		Viento -X exc.-	-2.3	-27.8	-1.0	-17.2	-0.0	0.0	-2.3	-213.2	-89.3	-17.2	-0.0	658.1
		Viento +Y exc.+	-7.2	-2.5	96.9	-2.6	56.1	0.2	-7.2	-581.8	-179.1	-2.6	56.1	4632.7
		Viento +Y exc.-	-5.4	-0.6	76.0	-0.7	43.8	0.0	-5.4	-436.6	-131.8	-0.7	43.8	3567.6
		Viento -Y exc.+	7.2	2.5	-96.9	2.6	-56.1	-0.2	7.2	581.8	179.1	2.6	-56.1	-4633
		Viento -Y exc.-	5.4	0.6	-76.0	0.7	-43.8	-0.0	5.4	436.6	131.8	0.7	-43.8	-3568
		Peso propio	1790.7	-9.7	-22.3	-5.8	-12.7	-0.0	1790.7	158897	68858	-5.8	-12.7	-908.9
P28 [80.738;38.465;0.0 grados] (50x50)	10.60/13.85	Cargas muertas	697.1	-5.3	-11.9	-3.1	-6.8	-0.0	697.1	61854	26802	-3.1	-6.8	-487.2
		H 1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	-7.4	-3.1	0.0	0.1	4.8
		Sobrecarga de uso	740.7	-4.2	-6.4	-2.5	-3.7	0.0	740.7	65728	28486	-2.5	-3.7	-232.1
		Viento +X exc.+	-5.8	23.2	0.6	14.9	-0.5	-0.0	-5.8	-492.4	-222.9	14.9	-0.5	-620.3
		Viento +X exc.-	-6.3	23.2	1.8	14.9	0.3	-0.0	-6.3	-531.5	-238.7	14.9	0.3	-549.8
		Viento -X exc.+	5.8	-23.2	-0.6	-14.9	0.5	0.0	5.8	492.4	222.9	-14.9	0.5	620.3
		Viento -X exc.-	6.3	-23.2	-1.8	-14.9	-0.3	0.0	6.3	531.5	238.7	-14.9	-0.3	549.8
		Viento +Y exc.+	-32.2	1.6	85.7	-0.6	51.9	0.2	-32.2	-2853	-1152	-0.6	51.9	4625.1
		Viento +Y exc.-	-24.2	1.9	63.6	0.5	38.3	0.0	-24.2	-2144	-866.5	0.5	38.3	3382.2
		Viento -Y exc.+	32.2	-1.6	-85.7	0.6	-51.9	-0.2	32.2	2853.1	1151.7	0.6	-51.9	-4625
P29 [96.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento -Y exc.-	24.2	-1.9	-63.6	-0.5	-38.3	-0.0	24.2	2144.0	866.5	-0.5	-38.3	-3382
		Peso propio	2002.5	-0.2	0.4	-0.0	0.1	-0.0	2002.5	193719	77027	-0.0	0.1	8.0
		Cargas muertas	803.9	-0.6	-1.2	-0.1	-0.7	-0.0	803.9	77766	30920	-0.1	-0.7	-63.0
		H 1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1	-9.7	-3.7	0.0	0.1	5.1
		Sobrecarga de uso	853.2	0.2	2.8	0.1	1.6	0.0	853.2	82541	32822	0.1	1.6	149.6
		Viento +X exc.+	-0.1	27.4	-0.7	17.4	-1.3	-0.0	-0.1	14.5	-5.9	17.4	-1.3	-793.4
		Viento +X exc.-	-0.3	27.3	1.0	17.3	-0.2	-0.0	-0.3	1.9	-9.1	17.3	-0.2	-683.4
		Viento -X exc.+	0.1	-27.4	0.7	-17.4	1.3	0.0	0.1	-14.5	5.9	-17.4	1.3	793.4
		Viento -X exc.-	0.3	-27.3	-1.0	-17.3	0.2	0.0	0.3	-1.9	9.1	-17.3	0.2	683.4
		Viento +Y exc.+	-7.2	-1.6	106.3	-2.1	64.1	0.2	-7.2	-702.5	-172.4	-2.1	64.1	6278.1
P30 [104.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento +Y exc.-	-4.8	0.0	74.7	-0.3	44.9	0.0	-4.8	-468.7	-111.7	-0.3	44.9	4357.9
		Viento -Y exc.+	7.2	1.6	-106.3	2.1	-64.1	-0.2	7.2	702.5	172.4	2.1	-64.1	-6278
		Viento -Y exc.-	4.8	-0.0	-74.7	0.3	-44.9	-0.0	4.8	468.7	111.7	0.3	-44.9	-4358
		Peso propio	1920.6	1.0	-12.8	0.4	-7.6	-0.0	1920.6	201160	73862	0.4	-7.6	-814.6
		Cargas muertas	715.9	4.3	-9.0	2.3	-5.3	-0.0	715.9	74988	27529	2.3	-5.3	-641.5
		H 1	-0.1	-0.0	0.2	-0.0	0.1	0.0	-0.1	-5.9	-2.0	-0.0	0.1	7.9
		Sobrecarga de uso	735.1	2.9	-3.3	1.7	-2.1	0.0	735.1	77001	28274	1.7	-2.1	-283.2
		Viento +X exc.+	9.8	23.2	-0.6	14.9	-1.4	-0.0	9.8	1050.3	376.6	14.9	-1.4	-719.1
		Viento +X exc.-	9.0	23.1	1.2	14.8	-0.3	-0.0	9.0	960.6	345.5	14.8	-0.3	-594.3
		Viento -X exc.+	-9.8	-23.2	0.6	-14.9	1.4	0.0	-9.8	-1050	-376.6	-14.9	1.4	719.1
P31 [112.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento -X exc.-	-9.0	-23.1	-1.2	-14.8	0.3	0.0	-9.0	-960.6	-345.5	-14.8	0.3	594.3
		Viento +Y exc.+	-33.9	-2.7	100.6	-2.8	61.0	0.2	-33.9	-3555	-1204	-2.8	61.0	6494.2
		Viento +Y exc.-	-19.4	-1.2	67.2	-1.1	40.7	0.0	-19.4	-2030	-678.0	-1.1	40.7	4301.1
		Viento -Y exc.+	33.9	2.7	-100.6	2.8	-61.0	-0.2	33.9	3554.9	1203.9	2.8	-61.0	-6494
		Viento -Y exc.-	19.4	1.2	-67.2	1.1	-40.7	-0.0	19.4	2030.3	678.0	1.1	-40.7	-4301
		Peso propio	2047.6	9.6	-0.6	3.9	-0.1	-0.0	2047.6	230850	78759	3.9	-0.1	-161.0
		Cargas muertas	809.9	4.8	0.4	2.7	0.5	-0.0	809.9	91309	31152	2.7	0.5	-51.7
		H 1	-0.1	0.1	0.2	0.0	0.1	0.0	-0.1	-15.2	-5.1	0.0	0.1	6.6
		Sobrecarga de uso	827.6	3.8	3.5	1.7	2.1	0.0	827.6	93303	31836	1.7	2.1	171.3
		Viento +X exc.+	-12.4	26.7	-1.2	16.7	-1.8	-0.0	-12.4	-1374	-479.2	16.7	-1.8	-844.1
P32 [112.738;38.465;0.0 grados] (50x50)	10.60/13.85	Viento +X exc.-	-12.8	26.6	1.2	16.6	-0.3	-0.0	-12.8	-1422	-493.1	16.6	-0.3	-675.2
		Viento -X exc.+	12.4	-26.7	1.2	-16.7	1.8	0.0	12.4	1374.2	479.2	-16.7	1.8	844.1
		Viento -X exc.-	12.8	-26.6	-1.2	-16.6	0.3	0.0	12.8	1422.0	493.1	-16.6	0.3	675.2
		Viento +Y exc.+	-21.0	-1.3	118.9	-1.9	70.8	0.2	-21.0	-2374	-690.7	-1.9	70.8	8054.3
		Viento +Y exc.-	-13.0	0.2	75.9	-0.2	45.2	0.0	-13.0	-1466	-424.5	-0.2	45.2	5107.1
		Viento -Y exc.+	21.0	1.3	-118.9	1.9	-70.8	-0.2	21.0	2374.3	690.7	1.9	-70.8	-8054
		Peso propio	1994.4	-2.2	-0.1	-0.8	-0.1	-0.0	1994.4	161019	76713	-0.8	-0.1	19.0
		Cargas muertas	798.4	-1.7	-1.5	-0.7	-0.8	-0.0	798.4	64458	30708	-0.7	-0.8	-37.5
		H 1	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-7.3	-3.4	0.0	0.0	3.8
		Sobrecarga de uso	847.0	-1.0	2.4	-0.5	1.3	0.0	847.0	68382	32581	-0.5	1.3	124.5
		Viento +X exc.+	2.4	27.9	-0.2	17.3	-0.7	-0.0	2.4	221.8	92.1	17.3	-0.7	-719.0
		Viento +X exc.-	2.3	27.8	1.0	17.2	0.0	-0.0	2.3	213.2	89.3	17.2	0.0	-658.1
		Viento -X exc.+	-2.4	-27.9	0.2	-17.3	0.7	0.0	-2.4	-221.8	-92.1	-17.3	0.7	719.0
		Viento -X exc.-	-2.3	-27.8	-1.0	-17.2	-0.0	0.0	-2.3	-213.2	-89.3	-17.2	-0.0	658.1
		Viento +Y exc.+	-7.2	-2.5	96.9	-2.6	56.1	0.2	-7.2	-581.8	-179.1	-2.6	56.1	4632.7
		Viento +Y exc.-	-5.4	-0.6	76.0	-0.7	43.8	0.0	-5.4	-436.6	-131.8	-0.7	43.8	3567.6
		Viento -Y exc.+	7.2	2.5	-96.9	2.6	-56.1	-0.2	7.2	581.8	179.1	2.6	-56.1	-4633
		Viento -Y exc.-	5.4	0.6	-76.0	0.7	-43.8	-0.0	5.4	436.6	131.8	0.7	-43.8	-3568





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	13.0	-0.2	-75.9	0.2	-45.2	-0.0	13.0	1466.4	424.5	0.2	-45.2	-5107
P32 [120.738;38.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1388.1	53.5	-10.6	33.0	-6.0	-0.0	1388.1	167654	53384	33.0	-6.0	-1990
		Cargas muertas	895.0	11.9	-4.2	3.9	-2.9	-0.0	895.0	108070	34421	3.9	-2.9	-493.5
		H 1	0.3	-0.3	0.0	-0.1	0.0	0.0	0.3	35.5	11.5	-0.1	0.0	6.8
		Sobrecarga de uso	536.1	20.5	-0.6	12.4	-0.5	0.0	536.1	64751	20621	12.4	-0.5	-537.5
		Viento +X exc.+	33.4	17.2	-0.4	11.4	-1.8	-0.0	33.4	4053.2	1285.4	11.4	-1.8	-655.7
		Viento +X exc.-	32.9	17.2	2.4	11.4	-0.1	-0.0	32.9	3984.8	1266.4	11.4	-0.1	-449.5
		Viento -X exc.+	-33.4	-17.2	0.4	-11.4	1.8	0.0	-33.4	-4053	-1285	-11.4	1.8	655.7
		Viento -X exc.-	-32.9	-17.2	-2.4	-11.4	0.1	0.0	-32.9	-3985	-1266	-11.4	0.1	449.5
		Viento +Y exc.+	-21.7	0.6	129.9	-1.4	76.2	0.3	-21.7	-2620	-704.8	-1.4	76.2	9249.4
		Viento +Y exc.-	-11.8	0.3	79.1	-0.4	46.5	0.1	-11.8	-1421	-373.7	-0.4	46.5	5630.0
		Viento -Y exc.+	21.7	-0.6	-129.9	1.4	-76.2	-0.3	21.7	2619.7	704.8	1.4	-76.2	-9249
		Viento -Y exc.-	11.8	-0.3	-79.1	0.4	-46.5	-0.1	11.8	1421.0	373.7	0.4	-46.5	-5630
P33 [0.738;31.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1407.3	-44.7	1.2	-22.1	1.7	-0.0	1407.3	993.6	44985	-22.1	1.7	706.7
		Cargas muertas	930.6	-8.9	2.8	2.5	1.7	-0.0	930.6	677.7	29750	2.5	1.7	-79.1
		H 1	-0.0	0.6	-0.0	0.2	-0.0	0.0	-0.0	0.6	-0.7	0.2	-0.0	-6.7
		Sobrecarga de uso	560.8	-17.8	0.2	-8.5	0.2	0.0	560.8	396.0	17925	-8.5	0.2	272.4
		Viento +X exc.+	-33.7	18.9	1.9	12.3	2.0	-0.0	-33.7	-6.0	-1076	12.3	2.0	-391.0
		Viento +X exc.-	-34.7	19.1	-0.3	12.3	0.6	-0.0	-34.7	-6.4	-1109	12.3	0.6	-393.8
		Viento -X exc.+	33.7	-18.9	-1.9	-12.3	-2.0	0.0	33.7	6.0	1076.0	-12.3	-2.0	391.0
		Viento -X exc.-	34.7	-19.1	0.3	-12.3	-0.6	0.0	34.7	6.4	1108.6	-12.3	-0.6	393.8
		Viento +Y exc.+	14.0	4.6	30.3	1.2	16.2	0.3	14.0	14.9	478.7	1.2	16.2	-26.4
		Viento +Y exc.-	30.5	1.0	69.3	0.2	39.2	0.1	30.5	23.4	1043.8	0.2	39.2	22.7
		Viento -Y exc.+	-14.0	-4.6	-30.3	-1.2	-16.2	-0.3	-14.0	-14.9	-478.7	-1.2	-16.2	26.4
		Viento -Y exc.-	-30.5	-1.0	-69.3	-0.2	-39.2	-0.1	-30.5	-23.4	-1044	-0.2	-39.2	-22.7
P34 [8.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	2006.4	7.8	3.3	3.8	2.8	-0.0	2006.4	17539	64137	3.8	2.8	-98.3
		Cargas muertas	758.2	4.9	5.6	2.0	3.4	-0.0	758.2	6629.9	24241	2.0	3.4	-32.8
		H 1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	-0.1	-1.3	-4.3	-0.0	-0.0	1.5
		Sobrecarga de uso	828.5	2.2	1.7	1.1	1.0	0.0	828.5	7241.3	26484	1.1	1.0	-26.2
		Viento +X exc.+	4.6	27.7	2.4	17.5	2.0	-0.0	4.6	67.7	148.8	17.5	2.0	-541.7
		Viento +X exc.-	3.7	27.8	0.6	17.5	0.9	-0.0	3.7	60.5	120.0	17.5	0.9	-552.6
		Viento -X exc.+	-4.6	-27.7	-2.4	-17.5	-2.0	0.0	-4.6	-67.7	-148.8	-17.5	-2.0	541.7
		Viento -X exc.-	-3.7	-27.8	-0.6	-17.5	-0.9	0.0	-3.7	-60.5	-120.0	-17.5	-0.9	552.6
		Viento +Y exc.+	16.6	3.2	34.4	0.9	19.4	0.2	16.6	148.0	563.9	0.9	19.4	140.6
		Viento +Y exc.-	31.1	0.5	65.8	0.2	38.2	0.0	31.1	272.0	1058.8	0.2	38.2	328.2
		Viento -Y exc.+	-16.6	-3.2	-34.4	-0.9	-19.4	-0.2	-16.6	-148.0	-563.9	-0.9	-19.4	-140.6
		Viento -Y exc.-	-31.1	-0.5	-65.8	-0.2	-38.2	-0.0	-31.1	-272.0	-1059	-0.2	-38.2	-328.2
P35 [16.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	1963.8	-2.0	0.0	-0.8	1.5	-0.0	1963.8	32867	62772	-0.8	1.5	49.0
		Cargas muertas	770.9	-0.8	2.6	0.0	1.8	-0.0	770.9	12902	24643	0.0	1.8	29.8
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.1	0.0	-0.0	-0.3
		Sobrecarga de uso	819.4	-0.6	0.3	-0.1	0.3	0.0	819.4	13715	26193	-0.1	0.3	8.2
		Viento +X exc.+	-0.5	26.6	1.9	16.9	1.5	-0.0	-0.5	18.4	-13.8	16.9	1.5	-514.4
		Viento +X exc.-	-1.1	26.8	0.4	16.9	0.6	-0.0	-1.1	8.8	-34.0	16.9	0.6	-531.0
		Viento -X exc.+	0.5	-26.6	-1.9	-16.9	-1.5	0.0	0.5	-18.4	13.8	-16.9	-1.5	514.4
		Viento -X exc.-	1.1	-26.8	-0.4	-16.9	-0.6	0.0	1.1	-8.8	34.0	-16.9	-0.6	531.0
		Viento +Y exc.+	17.7	3.1	41.0	0.7	23.4	0.2	17.7	300.0	608.0	0.7	23.4	369.2
		Viento +Y exc.-	27.8	0.3	67.0	-0.1	38.8	0.0	27.8	465.0	954.5	-0.1	38.8	653.7
		Viento -Y exc.+	-17.7	-3.1	-41.0	-0.7	-23.4	-0.2	-17.7	-300.0	-608.0	-0.7	-23.4	-369.2
		Viento -Y exc.-	-27.8	-0.3	-67.0	0.1	-38.8	-0.0	-27.8	-465.0	-954.5	0.1	-38.8	-653.7
P37 [48.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	2121.6	-34.8	2.0	-17.8	3.6	-0.0	2121.6	103365	67817	-17.8	3.6	745.6
		Cargas muertas	806.8	-7.9	6.1	-2.1	5.1	-0.0	806.8	39313	25795	-2.1	5.1	315.9
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.3	-0.2	0.0	0.0	0.1
		Sobrecarga de uso	837.0	-9.0	2.1	-4.0	1.9	0.0	837.0	40785	26757	-4.0	1.9	219.1
		Viento +X exc.+	12.4	24.0	1.2	14.7	0.6	-0.0	12.4	628.1	397.4	14.7	0.6	-443.5
		Viento +X exc.-	12.4	24.2	1.0	14.8	0.5	-0.0	12.4	627.2	396.5	14.8	0.5	-450.2
		Viento -X exc.+	-12.4	-24.0	-1.2	-14.7	-0.6	0.0	-12.4	-628.1	-397.4	-14.7	-0.6	443.5
		Viento -X exc.-	-12.4	-24.2	-1.0	-14.8	-0.5	0.0	-12.4	-627.2	-396.5	-14.8	-0.5	450.2
		Viento +Y exc.+	15.5	0.3	69.4	-0.9	40.6	0.2	15.5	756.7	565.5	-0.9	40.6	2008.5
		Viento +Y exc.-	15.7	-2.4	72.5	-1.7	42.3	0.0	15.7	760.6	572.9	-1.7	42.3	2113.8
		Viento -Y exc.+	-15.5	-0.3	-69.4	0.9	-40.6	-0.2	-15.5	-756.7	-565.5	0.9	-40.6	-2009
		Viento -Y exc.-	-15.7	2.4	-72.5	1.7	-42.3	-0.0	-15.7	-760.6	-572.9	1.7	-42.3	-2114
P38 [56.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	1935.4	10.0	-3.4	4.4	-0.3	-0.0	1935.4	109818	61860	4.4	-0.3	-156.6
		Cargas muertas	728.8	3.0	2.3	0.8	1.7	-0.0	728.8	41353	23298	0.8	1.7	69.7
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.4	-0.2	0.0	0.0	0.2
		Sobrecarga de uso	790.7	2.2	0.8	0.8	0.6	0.0	790.7	44867	25277	0.8	0.6	12.2
		Viento +X exc.+	-5.0	27.3	0.9	17.1	0.3	-0.0	-5.0	-254.1	-157.6	17.1	0.3	-527.7





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-5.0	27.5	1.0	17.1	0.4	-0.0	-5.0	-255.0	-158.1	17.1	0.4	-523.6
		Viento -X exc.+	5.0	-27.3	-0.9	-17.1	-0.3	0.0	5.0	254.1	157.6	-17.1	-0.3	527.7
		Viento -X exc.-	5.0	-27.5	-1.0	-17.1	-0.4	0.0	5.0	255.0	158.1	-17.1	-0.4	523.6
		Viento +Y exc.+	19.7	3.6	75.7	1.1	44.7	0.2	19.7	1122.3	706.0	1.1	44.7	2503.3
		Viento +Y exc.-	19.6	0.9	72.9	0.3	42.8	0.0	19.6	1112.4	699.1	0.3	42.8	2420.6
		Viento -Y exc.+	-19.7	-3.6	-75.7	-1.1	-44.7	-0.2	-19.7	-1122	-706.0	-1.1	-44.7	-2503
		Viento -Y exc.-	-19.6	-0.9	-72.9	-0.3	-42.8	-0.0	-19.6	-1112	-699.1	-0.3	-42.8	-2421
		Peso propio	1953.6	-2.6	-5.6	-1.1	-1.0	-0.0	1953.6	126472	62442	-1.1	-1.0	-29.0
		Cargas muertas	770.3	-1.4	1.5	-0.6	1.4	-0.0	770.3	49863	24623	-0.6	1.4	109.6
		H 1	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.3	-0.1	0.0	0.0	0.4
P39 [64.738;31.965;0.0 grados] (50x50)	10.60/13.85	Sobrecarga de uso	824.0	-0.7	0.0	-0.3	0.4	0.0	824.0	53344	26340	-0.3	0.4	33.3
		Viento +X exc.+	-0.7	27.0	0.5	16.8	-0.1	-0.0	-0.7	-18.0	-21.8	16.8	-0.1	-541.7
		Viento +X exc.-	-0.6	27.2	0.9	16.8	0.2	-0.0	-0.6	-12.5	-18.7	16.8	0.2	-523.9
		Viento -X exc.+	0.7	-27.0	-0.5	-16.8	0.1	0.0	0.7	18.0	21.8	-16.8	0.1	541.7
		Viento -X exc.-	0.6	-27.2	-0.9	-16.8	-0.2	0.0	0.6	12.5	18.7	-16.8	-0.2	523.9
		Viento +Y exc.+	16.5	3.3	82.2	0.8	47.6	0.2	16.5	1073.6	610.7	0.8	47.6	3055.4
		Viento +Y exc.-	15.0	0.7	73.3	0.1	42.3	0.0	15.0	972.3	553.1	0.1	42.3	2735.2
		Viento -Y exc.+	-16.5	-3.3	-82.2	-0.8	-47.6	-0.2	-16.5	-1074	-610.7	-0.8	-47.6	-3055
		Viento -Y exc.-	-15.0	-0.7	-73.3	-0.1	-42.3	-0.0	-15.0	-972.3	-553.1	-0.1	-42.3	-2735
		Peso propio	1983.0	-3.7	-6.0	-1.9	-1.3	-0.0	1983.0	144236	63380	-1.9	-1.3	-32.1
P40 [72.738;31.965;0.0 grados] (50x50)	10.60/13.85	Cargas muertas	774.2	-1.4	1.0	-0.8	1.1	-0.0	774.2	56313	24749	-0.8	1.1	109.8
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.2	-0.1	0.0	0.0	0.7
		Sobrecarga de uso	829.1	-1.3	-0.2	-0.7	0.3	0.0	829.1	60305	26501	-0.7	0.3	41.9
		Viento +X exc.+	0.6	27.6	0.1	17.0	-0.4	-0.0	0.6	73.5	20.2	17.0	-0.4	-575.6
		Viento +X exc.-	0.8	27.7	0.9	17.1	0.1	-0.0	0.8	85.9	26.4	17.1	0.1	-541.1
		Viento -X exc.+	-0.6	-27.6	-0.1	-17.0	0.4	0.0	-0.6	-73.5	-20.2	-17.0	0.4	575.6
		Viento -X exc.-	-0.8	-27.7	-0.9	-17.1	-0.1	0.0	-0.8	-85.9	-26.4	-17.1	-0.1	541.1
		Viento +Y exc.+	16.0	3.7	88.6	1.1	51.5	0.2	16.0	1170.2	601.1	1.1	51.5	3712.7
		Viento +Y exc.-	13.1	1.0	73.9	0.3	42.8	0.0	13.1	952.6	492.1	0.3	42.8	3102.1
		Viento -Y exc.+	-16.0	-3.7	-88.6	-1.1	-51.5	-0.2	-16.0	-1170	-601.1	-1.1	-51.5	-3713
P41 [80.738;31.965;0.0 grados] (50x50)	10.60/13.85	Viento -Y exc.-	-13.1	-1.0	-73.9	-0.3	-42.8	-0.0	-13.1	-952.6	-492.1	-0.3	-42.8	-3102
		Peso propio	1926.1	-2.4	-8.3	-1.2	-2.4	-0.0	1926.1	155509	61560	-1.2	-2.4	-154.0
		Cargas muertas	759.6	-1.4	-0.0	-0.6	0.6	-0.0	759.6	61329	24281	-0.6	0.6	69.7
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	0.0	0.8
		Sobrecarga de uso	817.0	-1.1	-0.9	-0.5	-0.0	0.0	817.0	65964	26115	-0.5	-0.0	13.3
		Viento +X exc.+	0.6	28.0	-0.1	17.2	-0.7	-0.0	0.6	74.3	18.2	17.2	-0.7	-606.1
		Viento +X exc.-	0.8	28.1	1.0	17.2	-0.0	-0.0	0.8	92.3	26.4	17.2	-0.0	-552.0
		Viento -X exc.+	-0.6	-28.0	0.1	-17.2	0.7	0.0	-0.6	-74.3	-18.2	-17.2	0.7	606.1
		Viento -X exc.-	-0.8	-28.1	-1.0	-17.2	0.0	0.0	-0.8	-92.3	-26.4	-17.2	0.0	552.0
		Viento +Y exc.+	19.0	3.8	94.5	1.0	55.3	0.2	19.0	1538.5	702.1	1.0	55.3	4430.7
P42 [88.738;31.965;0.0 grados] (50x50)	10.60/13.85	Viento +Y exc.-	15.3	1.1	74.1	0.3	43.2	0.0	15.3	1234.6	562.4	0.3	43.2	3477.2
		Viento -Y exc.+	-19.0	-3.8	-94.5	-1.0	-55.3	-0.2	-19.0	-1539	-702.1	-1.0	-55.3	-4431
		Viento -Y exc.-	-15.3	-1.1	-74.1	-0.3	-43.2	-0.0	-15.3	-1235	-562.4	-0.3	-43.2	-3477
		Peso propio	1934.2	-0.6	-6.7	-0.1	-2.1	-0.0	1934.2	171638	61820	-0.1	-2.1	-180.3
		Cargas muertas	741.4	-0.4	2.3	-0.2	1.5	-0.0	741.4	65789	23701	-0.2	1.5	138.5
		H 1	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.3	-0.1	0.0	0.0	1.2
		Sobrecarga de uso	798.5	-0.1	0.9	-0.1	0.7	0.0	798.5	70855	25524	-0.1	0.7	65.9
		Viento +X exc.+	-1.5	26.6	-0.3	16.7	-1.0	-0.0	-1.5	-104.2	-47.4	16.7	-1.0	-619.2
		Viento +X exc.-	-1.1	26.7	1.1	16.8	-0.1	-0.0	-1.1	-71.3	-34.2	16.8	-0.1	-543.4
		Viento -X exc.+	1.5	-26.6	0.3	-16.7	1.0	0.0	1.5	104.2	47.4	-16.7	1.0	619.2
P43 [96.738;31.965;0.0 grados] (50x50)	10.60/13.85	Viento -X exc.-	1.1	-26.7	-1.1	-16.8	0.1	0.0	1.1	71.3	34.2	-16.8	0.1	543.4
		Viento +Y exc.+	24.0	3.0	95.8	0.8	58.6	0.2	24.0	2131.2	862.4	0.8	58.6	5178.4
		Viento +Y exc.-	17.5	0.4	70.9	0.0	43.3	0.0	17.5	1554.9	630.9	0.0	43.3	3840.5
		Viento -Y exc.+	-24.0	-3.0	-95.8	-0.8	-58.6	-0.2	-24.0	-2131	-862.4	-0.8	-58.6	-5178
		Viento -Y exc.-	-17.5	-0.4	-70.9	-0.0	-43.3	-0.0	-17.5	-1555	-630.9	-0.0	-43.3	-3840
		Peso propio	1948.6	-1.0	-10.0	-0.2	-3.5	-0.0	1948.6	188499	62275	-0.2	-3.5	-333.0
		Cargas muertas	764.9	-0.4	-0.6	0.0	-0.0	-0.0	764.9	73999	24451	0.0	-0.0	-2.6
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.3	0.1	-0.0	0.0	1.5
		Sobrecarga de uso	825.9	-0.1	-0.6	0.1	-0.0	0.0	825.9	79893	26398	0.1	-0.0	-3.5
		Viento +X exc.+	-0.3	27.5	-0.5	17.3	-1.2	-0.0	-0.3	-5.7	-11.5	17.3	-1.2	-673.2
P44 [96.738;31.965;0.0 grados] (50x50)	10.60/13.85	Viento +X exc.-	-0.1	27.7	1.2	17.4	-0.2	-0.0	-0.1	17.2	-2.3	17.4	-0.2	-571.0
		Viento -X exc.+	0.3	-27.5	0.5	-17.3	1.2	0.0	0.3	5.7	11.5	-17.3	1.2	673.2
		Viento -X exc.-	0.1	-27.7	-1.2	-17.4	0.2	0.0	0.1	-17.2	2.3	-17.4	0.2	571.0
		Viento +Y exc.+	14.6	3.3	103.9	0.8	62.7	0.2	14.6	1417.8	571.3	0.8	62.7	6042.4
		Viento +Y exc.-	10.5	0.6	72.9	0.0	43.9	0.0	10.5	1018.2	409.2	0.0	43.9	4250.3
		Viento -Y exc.+	-14.6	-3.3	-103.9	-0.8	-62.7	-0.2	-14.6	-1418	-571.3	-0.8	-62.7	-6042



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-10.5	-0.6	-72.9	-0.0	-43.9	-0.0	-10.5	-1018	-409.2	-0.0	-43.9	-4250
P36 [24.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	1899.1	5.3	0.3	1.9	2.9	-0.0	1899.1	46984	60704	1.9	2.9	11.6
		Cargas muertas	756.0	-0.4	7.2	-2.0	5.8	-0.0	756.0	18702	24174	-2.0	5.8	206.7
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.2	0.0	-0.0	-0.2
		Sobrecarga de uso	773.6	1.9	1.5	0.3	1.7	0.0	773.6	19140	24730	0.3	1.7	32.9
		Viento +X exc.+	-0.6	28.5	1.2	17.7	1.1	-0.0	-0.6	13.3	-18.5	17.7	1.1	-539.5
		Viento +X exc.-	-1.0	28.6	-0.0	17.7	0.4	-0.0	-1.0	3.6	-32.4	17.7	0.4	-558.0
		Viento -X exc.+	0.6	-28.5	-1.2	-17.7	-1.1	0.0	0.6	-13.3	18.5	-17.7	-1.1	539.5
		Viento -X exc.-	1.0	-28.6	0.0	-17.7	-0.4	0.0	1.0	-3.6	32.4	-17.7	-0.4	558.0
		Viento +Y exc.+	9.2	4.6	48.5	1.7	28.2	0.2	9.2	231.2	341.4	1.7	28.2	641.0
		Viento +Y exc.-	15.9	2.4	69.2	1.3	40.3	0.0	15.9	396.3	578.1	1.3	40.3	957.7
		Viento -Y exc.+	-9.2	-4.6	-48.5	-1.7	-28.2	-0.2	-9.2	-231.2	-341.4	-1.7	-28.2	-641.0
		Viento -Y exc.-	-15.9	-2.4	-69.2	-1.3	-40.3	-0.0	-15.9	-396.3	-578.1	-1.3	-40.3	-957.7
P44 [104.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	2072.9	-4.4	-19.6	-3.5	-11.3	-0.0	2072.9	217110	66241	-3.5	-11.3	-1073
		Cargas muertas	782.1	-0.3	-1.8	-0.7	-1.4	-0.0	782.1	81919	24999	-0.7	-1.4	-121.6
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.2	0.1	-0.0	0.0	2.1
		Sobrecarga de uso	817.8	-0.3	-1.7	-0.5	-1.2	0.0	817.8	85659	26141	-0.5	-1.2	-113.8
		Viento +X exc.+	-1.5	26.6	-0.4	17.0	-1.3	-0.0	-1.5	-128.9	-47.9	17.0	-1.3	-676.5
		Viento +X exc.-	-0.9	26.8	1.6	17.0	0.0	-0.0	-0.9	-62.7	-25.7	17.0	0.0	-543.0
		Viento -X exc.+	1.5	-26.6	0.4	-17.0	1.3	0.0	1.5	128.9	47.9	-17.0	1.3	676.5
		Viento -X exc.-	0.9	-26.8	-1.6	-17.0	-0.0	0.0	0.9	62.7	25.7	-17.0	-0.0	543.0
		Viento +Y exc.+	19.9	2.8	109.9	0.6	67.9	0.2	19.9	2084.0	745.1	0.6	67.9	7089.2
		Viento +Y exc.-	9.4	0.2	73.4	-0.1	45.3	0.0	9.4	984.3	373.7	-0.1	45.3	4750.0
		Viento -Y exc.+	-19.9	-2.8	-109.9	-0.6	-67.9	-0.2	-19.9	-2084	-745.1	-0.6	-67.9	-7089
		Viento -Y exc.-	-9.4	-0.2	-73.4	0.1	-45.3	-0.0	-9.4	-984.3	-373.7	0.1	-45.3	-4750
P45 [112.738;31.965;0.0 grados] (50x50)	10.60/13.85	Peso propio	2066.8	5.8	-17.1	3.5	-8.4	-0.0	2066.8	233008	66047	3.5	-8.4	-1063
		Cargas muertas	787.9	1.6	-4.0	1.6	-2.3	-0.0	787.9	88824	25180	1.6	-2.3	-311.1
		H 1	-0.2	0.1	0.0	0.0	0.0	0.0	-0.2	-20.4	-5.8	0.0	0.0	1.0
		Sobrecarga de uso	842.2	2.1	-3.2	1.3	-1.7	0.0	842.2	94949	26917	1.3	-1.7	-229.9
		Viento +X exc.+	-5.6	29.1	-1.3	18.0	-1.8	-0.0	-5.6	-602.7	-180.4	18.0	-1.8	-783.7
		Viento +X exc.-	-5.1	29.2	1.1	18.1	-0.3	-0.0	-5.1	-540.8	-160.5	18.1	-0.3	-616.0
		Viento -X exc.+	5.6	-29.1	1.3	-18.0	1.8	0.0	5.6	602.7	180.4	-18.0	1.8	783.7
		Viento -X exc.-	5.1	-29.2	-1.1	-18.1	0.3	0.0	5.1	540.8	160.5	-18.1	0.3	616.0
		Viento +Y exc.+	24.7	3.4	120.8	1.1	72.5	0.2	24.7	2783.3	909.0	1.1	72.5	8140.7
		Viento +Y exc.-	14.5	0.7	77.1	0.2	46.3	0.0	14.5	1632.1	539.6	0.2	46.3	5214.1
		Viento -Y exc.+	-24.7	-3.4	-120.8	-1.1	-72.5	-0.2	-24.7	-2783	-909.0	-1.1	-72.5	-8141
		Viento -Y exc.-	-14.5	-0.7	-77.1	-0.2	-46.3	-0.0	-14.5	-1632	-539.6	-0.2	-46.3	-5214
P46 [120.738;31.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1388.9	43.7	-7.4	21.9	-3.0	-0.0	1388.9	167736	44388	21.9	-3.0	-1069
		Cargas muertas	898.4	5.6	0.6	-4.0	0.3	-0.0	898.4	108472	28717	-4.0	0.3	162.8
		H 1	0.0	-0.3	0.1	-0.1	0.0	0.0	0.0	1.9	0.6	-0.1	0.0	6.6
		Sobrecarga de uso	544.2	16.9	1.3	8.1	0.9	0.0	544.2	65723	17397	8.1	0.9	-155.1
		Viento +X exc.+	33.5	17.9	-0.5	11.8	-1.8	-0.0	33.5	4062.9	1070.4	11.8	-1.8	-598.2
		Viento +X exc.-	34.1	18.1	2.4	11.8	-0.1	-0.0	34.1	4129.4	1090.8	11.8	-0.1	-385.7
		Viento -X exc.+	-33.5	-17.9	0.5	-11.8	1.8	0.0	-33.5	-4063	-1070	-11.8	1.8	598.2
		Viento -X exc.-	-34.1	-18.1	-2.4	-11.8	0.1	0.0	-34.1	-4129	-1091	-11.8	0.1	385.7
		Viento +Y exc.+	22.2	4.9	133.1	1.6	80.3	0.3	22.2	2684.5	842.5	1.6	80.3	9641.7
		Viento +Y exc.-	12.5	1.1	81.1	0.4	49.1	0.1	12.5	1505.3	479.3	0.4	49.1	5912.4
		Viento -Y exc.+	-22.2	-4.9	-133.1	-1.6	-80.3	-0.3	-22.2	-2684	-842.5	-1.6	-80.3	-9642
		Viento -Y exc.-	-12.5	-1.1	-81.1	-0.4	-49.1	-0.1	-12.5	-1505	-479.3	-0.4	-49.1	-5912
P49 [0.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	969.8	-54.7	7.2	-29.6	-3.9	-0.0	969.8	660.9	24704	-29.6	-3.9	751.6
		Cargas muertas	935.2	-19.5	1.2	-10.6	-0.8	-0.0	935.2	670.5	23815	-10.6	-0.8	268.7
		H 1	0.1	0.6	-0.0	0.2	-0.0	0.0	0.1	0.6	1.6	0.2	-0.0	-5.3
		Sobrecarga de uso	364.7	-16.8	-3.6	-9.6	-3.8	0.0	364.7	252.3	9284.0	-9.6	-3.8	242.5
		Viento +X exc.+	-37.2	17.6	1.1	10.2	1.4	-0.0	-37.2	-9.9	-947.0	10.2	1.4	-258.4
		Viento +X exc.-	-34.7	17.9	-0.6	10.3	0.4	-0.0	-34.7	-7.6	-883.5	10.3	0.4	-262.7
		Viento -X exc.+	37.2	-17.6	-1.1	-10.2	-1.4	0.0	37.2	9.9	947.0	-10.2	-1.4	258.4
		Viento -X exc.-	34.7	-17.9	0.6	-10.3	-0.4	0.0	34.7	7.6	883.5	-10.3	-0.4	262.7
		Viento +Y exc.+	-61.1	8.1	25.7	3.1	12.1	0.3	-61.1	-36.9	-1529	3.1	12.1	-70.7
		Viento +Y exc.-	-105.0	1.6	57.0	0.7	28.9	0.1	-105.0	-75.8	-2616	0.7	28.9	4.8
		Viento -Y exc.+	61.1	-8.1	-25.7	-3.1	-12.1	-0.3	61.1	36.9	1529.0	-3.1	-12.1	70.7
		Viento -Y exc.-	105.0	-1.6	-57.0	-0.7	-28.9	-0.1	105.0	75.8	2616.1	-0.7	-28.9	-4.8
P50 [8.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1373.5	8.6	43.9	3.3	7.3	-0.0	1373.5	12010	35019	3.3	7.3	-20.1
		Cargas muertas	981.1	1.2	26.2	0.3	11.3	-0.0	981.1	8573.8	25009	0.3	11.3	92.4
		H 1	0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.1	0.3	1.2	-0.0	-0.0	1.1
		Sobrecarga de uso	542.3	3.6	1.8	1.4	-3.0	0.0	542.3	4742.0	13811	1.4	-3.0	-61.5
		Viento +X exc.+	-0.8	36.4	2.1	19.8	1.5	-0.0	-0.8	29.5	-18.1	19.8	1.5	-489.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	2.2	36.8	0.3	20.0	0.6	-0.0	2.2	56.0	56.3	20.0	0.6	-503.0
		Viento -X exc.+	0.8	-36.4	-2.1	-19.8	-1.5	0.0	0.8	-29.5	18.1	-19.8	-1.5	489.7
		Viento -X exc.-	-2.2	-36.8	-0.3	-20.0	-0.6	0.0	-2.2	-56.0	-56.3	-20.0	-0.6	503.0
		Viento +Y exc.+	-71.8	9.6	33.6	4.2	17.1	0.3	-71.8	-618.2	-1796	4.2	17.1	42.9
		Viento +Y exc.-	-123.2	2.1	63.9	0.8	33.6	0.1	-123.2	-1075	-3074	0.8	33.6	273.0
		Viento -Y exc.+	71.8	-9.6	-33.6	-4.2	-17.1	-0.3	71.8	618.2	1796.1	-4.2	-17.1	-42.9
		Viento -Y exc.-	123.2	-2.1	-63.9	-0.8	-33.6	-0.1	123.2	1074.7	3074.1	-0.8	-33.6	-273.0
		Peso propio	1328.1	2.1	39.7	1.7	5.4	-0.0	1328.1	22232	33860	1.7	5.4	47.1
		Cargas muertas	965.4	0.3	30.6	1.3	12.9	-0.0	965.4	16159	24614	1.3	12.9	182.5
		H 1	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.1	-0.2	0.0	-0.0	-0.0
P51 [16.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Sobrecarga de uso	519.0	0.7	-0.2	0.9	-3.8	0.0	519.0	8687.8	13216	0.9	-3.8	-84.5
		Viento +X exc.+	-3.7	33.9	1.2	18.7	1.2	-0.0	-3.7	-27.7	-92.5	18.7	1.2	-457.4
		Viento +X exc.-	-1.2	34.4	-0.1	18.9	0.4	-0.0	-1.2	13.6	-31.8	18.9	0.4	-474.9
		Viento -X exc.+	3.7	-33.9	-1.2	-18.7	-1.2	0.0	3.7	27.7	92.5	-18.7	-1.2	457.4
		Viento -X exc.-	1.2	-34.4	0.1	-18.9	-0.4	0.0	1.2	-13.6	31.8	-18.9	-0.4	474.9
		Viento +Y exc.+	-80.6	9.0	37.1	3.9	19.6	0.3	-80.6	-1340	-2016	3.9	19.6	229.7
		Viento +Y exc.-	-122.4	1.0	59.9	0.3	32.2	0.1	-122.4	-2048	-3057	0.3	32.2	531.3
		Viento -Y exc.+	80.6	-9.0	-37.1	-3.9	-19.6	-0.3	80.6	1340.2	2015.5	-3.9	-19.6	-229.7
		Viento -Y exc.-	122.4	-1.0	-59.9	-0.3	-32.2	-0.1	122.4	2047.8	3057.2	-0.3	-32.2	-531.3
		Peso propio	1715.5	-40.6	34.9	-50.2	0.2	-0.0	1715.5	42398	43721	-50.2	0.2	1283.1
P52 [24.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.70	Cargas muertas	1329.1	-42.8	25.6	-52.0	8.4	-0.0	1329.1	32836	33871	-52.0	8.4	1531.4
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.0	1.0	-0.0	0.0	0.1
		Sobrecarga de uso	701.9	-22.1	-1.8	-25.6	-5.9	0.0	701.9	17340	17871	-25.6	-5.9	508.0
		Viento +X exc.+	-14.7	36.6	1.4	22.5	1.1	-0.0	-14.7	-326.1	-372.0	22.5	1.1	-546.1
		Viento +X exc.-	-12.6	37.1	0.4	22.7	0.5	-0.0	-12.6	-273.5	-319.3	22.7	0.5	-565.4
		Viento -X exc.+	14.7	-36.6	-1.4	-22.5	-1.1	0.0	14.7	326.1	372.0	-22.5	-1.1	546.1
		Viento -X exc.-	12.6	-37.1	-0.4	-22.7	-0.5	0.0	12.6	-273.5	-319.3	-22.7	-0.5	565.4
		Viento +Y exc.+	-110.6	11.5	42.2	7.0	22.9	0.3	-110.6	-2725	-2775	7.0	22.9	389.0
		Viento +Y exc.-	-146.7	3.7	60.0	3.5	32.8	0.1	-146.7	-3624	-3675	3.5	32.8	720.9
		Viento -Y exc.+	110.6	-11.5	-42.2	-7.0	-22.9	-0.3	110.6	2724.9	2774.6	-7.0	-22.9	-389.0
P53 [32.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.70	Viento -Y exc.-	146.7	-3.7	-60.0	-3.5	-32.8	-0.1	146.7	3624.4	3674.7	-3.5	-32.8	-720.9
		Peso propio	453.9	81.7	36.0	67.1	-4.8	-0.0	453.9	14943	11595	67.1	-4.8	-1864
		Cargas muertas	537.7	61.1	-12.1	52.3	-30.8	-0.0	537.7	17663	13679	52.3	-30.8	-2339
		H 1	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
		Sobrecarga de uso	194.6	37.7	1.0	31.8	-5.6	0.0	194.6	6408.2	4956.2	31.8	-5.6	-992.5
		Viento +X exc.+	30.3	41.7	0.7	24.5	0.3	-0.0	30.3	1034.3	772.8	24.5	0.3	-613.5
		Viento +X exc.-	31.1	42.4	-0.1	24.9	-0.1	-0.0	31.1	1062.0	793.0	24.9	-0.1	-635.7
		Viento -X exc.+	-30.3	-41.7	-0.7	-24.5	-0.3	0.0	-30.3	-1034	-772.8	-24.5	-0.3	613.5
		Viento -X exc.-	-31.1	-42.4	0.1	-24.9	0.1	0.0	-31.1	-1062	-793.0	-24.9	0.1	635.7
		Viento +Y exc.+	-18.1	6.3	48.5	1.9	24.8	0.3	-18.1	-586.8	-412.8	1.9	24.8	762.7
P54 [40.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.70	Viento +Y exc.-	-32.3	-5.2	61.8	-4.4	31.5	0.1	-32.3	-1064	-761.9	-4.4	31.5	1144.7
		Viento -Y exc.+	18.1	-6.3	-48.5	-1.9	-24.8	-0.3	18.1	586.8	412.8	-1.9	-24.8	-762.7
		Viento -Y exc.-	32.3	5.2	-61.8	4.4	-31.5	-0.1	32.3	1064.1	761.9	4.4	-31.5	-1145
		Peso propio	469.7	-78.1	35.0	-67.0	-5.2	-0.0	469.7	19058	11997	-67.0	-5.2	1492.1
		Cargas muertas	550.1	-61.9	-11.9	-53.9	-30.2	-0.0	550.1	22349	13997	-53.9	-30.2	143.3
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.2	0.2	-0.0	0.0	0.1
		Sobrecarga de uso	198.8	-36.6	0.3	-31.6	-5.8	0.0	198.8	8062.4	5062.9	-31.6	-5.8	569.0
		Viento +X exc.+	-29.3	41.6	0.9	24.2	0.7	-0.0	-29.3	-1152	-745.2	24.2	0.7	-588.5
		Viento +X exc.-	-29.4	42.1	0.4	24.5	0.5	-0.0	-29.4	-1157	-749.2	24.5	0.5	-604.5
		Viento -X exc.+	29.3	-41.6	-0.9	-24.2	-0.7	0.0	29.3	1151.9	745.2	-24.2	-0.7	588.5
P55 [48.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.70	Viento -X exc.-	29.4	-42.1	-0.4	-24.5	-0.5	0.0	29.4	1157.2	749.2	-24.5	-0.5	604.5
		Viento +Y exc.+	-36.1	17.0	54.9	10.2	28.1	0.3	-36.1	-1453	-863.8	10.2	28.1	886.0
		Viento +Y exc.-	-33.4	7.9	62.6	5.7	32.0	0.1	-33.4	-1352	-787.4	5.7	32.0	1159.4
		Viento -Y exc.+	36.1	-17.0	-54.9	-10.2	-28.1	-0.3	36.1	1452.6	863.8	-10.2	-28.1	-886.0
		Viento -Y exc.-	33.4	-7.9	-62.6	-5.7	-32.0	-0.1	33.4	1351.9	787.4	-5.7	-32.0	-1159
		Peso propio	1867.2	22.3	38.3	43.3	1.1	-0.0	1867.2	91026	47587	43.3	1.1	-1047
		Cargas muertas	1354.7	43.4	26.0	56.2	8.7	-0.0	1354.7	66070	34524	56.2	8.7	-1008
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.3	0.7	-0.0	0.0	0.4
		Sobrecarga de uso	704.4	17.8	0.4	25.0	-4.9	0.0	704.4	34349	17938	25.0	-4.9	-873.8
		Viento +X exc.+	22.9	33.2	0.8	20.9	0.2	-0.0	22.9	1147.2	582.9	20.9	0.2	-523.7
		Viento +X exc.-	23.7	33.7	0.6	21.1	0.1	-0.0	23.7	1187.8	603.6	21.1	0.1	-534.7
		Viento -X exc.+	-22.9	-33.2	-0.8	-20.9	-0.2	0.0	-22.9	-1147	-582.9	-20.9	-0.2	523.7
		Viento -X exc.-	-23.7	-33.7	-0.6	-21.1	-0.1	0.0	-23.7	-1188	-603.6	-21.1	-0.1	534.7
		Viento +Y exc.+	-120.9	7.1	58.9	1.7	33.9	0.3	-120.9	-5884	-3019	1.7	33.9	1608.5
		Viento +Y exc.-	-134.7	-1.5	61.6	-2.8	35.2	0.1	-134.7	-6565	-3368	-2.8	35.2	1787.9
		Viento -Y exc.+	120.9	-7.1	-58.9	-1.7	-33.9	-0.3	120.9	5883.9	3019.0	-1.7	-33.9	-1608



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	134.7	1.5	-61.6	2.8	-35.2	-0.1	134.7	6564.6	3367.5	2.8	-35.2	-1788
P56 [56.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1308.7	7.1	51.7	2.3	10.5	-0.0	1308.7	74259	33377	2.3	10.5	539.0
		Cargas muertas	952.9	1.5	34.4	-0.7	15.5	-0.0	952.9	54065	24299	-0.7	15.5	895.5
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.2	0.6	-0.0	0.0	0.7
		Sobrecarga de uso	500.7	1.3	3.7	-0.0	-2.0	0.0	500.7	28407	12753	-0.0	-2.0	-113.9
		Viento +X exc.+	-6.4	34.1	1.2	19.6	0.4	-0.0	-6.4	-328.5	-161.5	19.6	0.4	-478.2
		Viento +X exc.-	-6.5	34.5	1.3	19.8	0.4	-0.0	-6.5	-335.4	-164.7	19.8	0.4	-479.5
		Viento -X exc.+	6.4	-34.1	-1.2	-19.6	-0.4	0.0	6.4	328.5	161.5	-19.6	-0.4	478.2
		Viento -X exc.-	6.5	-34.5	-1.3	-19.8	-0.4	0.0	6.5	335.4	164.7	-19.8	-0.4	479.5
		Viento +Y exc.+	-112.5	9.6	65.2	4.5	37.0	0.3	-112.5	-6376	-2801	4.5	37.0	1985.9
		Viento +Y exc.-	-109.8	1.4	62.9	0.7	35.5	0.1	-109.8	-6231	-2734	0.7	35.5	1994.6
		Viento -Y exc.+	112.5	-9.6	-65.2	-4.5	-37.0	-0.3	112.5	6376.2	2800.9	-4.5	-37.0	-1986
		Viento -Y exc.-	109.8	-1.4	-62.9	-0.7	-35.5	-0.1	109.8	6231.0	2734.3	-0.7	-35.5	-1995
P57 [64.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1312.7	-7.2	42.0	-3.4	6.3	-0.0	1312.7	84972	33469	-3.4	6.3	496.8
		Cargas muertas	990.6	-5.5	30.7	-2.3	13.7	-0.0	990.6	64121	25255	-2.3	13.7	945.4
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.3	0.6	-0.0	0.0	0.9
		Sobrecarga de uso	520.0	-0.0	-0.4	-0.1	-3.8	0.0	520.0	33665	13242	-0.1	-3.8	-244.5
		Viento +X exc.+	0.3	34.2	0.6	19.7	0.0	-0.0	0.3	50.7	7.2	19.7	0.0	-501.1
		Viento +X exc.-	-0.2	34.6	1.0	19.9	0.3	-0.0	-0.2	19.9	-4.8	19.9	0.3	-491.0
		Viento -X exc.+	-0.3	-34.2	-0.6	-19.7	-0.0	0.0	-0.3	-50.7	-7.2	-19.7	-0.0	501.1
		Viento -X exc.-	0.2	-34.6	-1.0	-19.9	-0.3	0.0	0.2	-19.9	4.8	-19.9	-0.3	491.0
		Viento +Y exc.+	-113.5	9.4	71.0	4.4	40.5	0.3	-113.5	-7338	-2819	4.4	40.5	2512.9
		Viento +Y exc.-	-104.7	1.3	63.7	0.6	36.1	0.1	-104.7	-6777	-2603	0.6	36.1	2320.8
		Viento -Y exc.+	113.5	-9.4	-71.0	-4.4	-40.5	-0.3	113.5	7338.1	2819.1	-4.4	-40.5	-2513
		Viento -Y exc.-	104.7	-1.3	-63.7	-0.6	-36.1	-0.1	104.7	6777.4	2602.7	-0.6	-36.1	-2321
P58 [72.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1319.2	-2.4	37.6	-1.0	4.2	-0.0	1319.2	95950	33630	-1.0	4.2	329.7
		Cargas muertas	990.0	0.7	29.4	0.1	13.0	-0.0	990.0	72011	25239	0.1	13.0	940.6
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.4	0.5	-0.0	0.0	1.3
		Sobrecarga de uso	522.4	-1.0	-2.3	-0.5	-4.7	0.0	522.4	37996	13300	-0.5	-4.7	-328.2
		Viento +X exc.+	0.4	34.9	0.7	20.1	-0.2	-0.0	0.4	63.1	10.6	20.1	-0.2	-526.2
		Viento +X exc.-	-0.5	35.4	1.3	20.4	0.2	-0.0	-0.5	-3.9	-12.4	20.4	0.2	-502.0
		Viento -X exc.+	-0.4	-34.9	-0.7	-20.1	0.2	0.0	-0.4	-63.1	-10.6	-20.1	0.2	526.2
		Viento -X exc.-	0.5	-35.4	-1.3	-20.4	-0.2	0.0	0.5	3.9	12.4	-20.4	-0.2	502.0
		Viento +Y exc.+	-121.2	9.7	76.8	4.5	44.1	0.3	-121.2	-8803	-3009	4.5	44.1	3093.1
		Viento +Y exc.-	-104.7	1.4	64.3	0.6	36.7	0.1	-104.7	-7614	-2602	0.6	36.7	2652.1
		Viento -Y exc.+	121.2	-9.7	-76.8	-4.5	-44.1	-0.3	121.2	8803.2	3008.5	-4.5	-44.1	-3093
		Viento -Y exc.-	104.7	-1.4	-64.3	-0.6	-36.7	-0.1	104.7	7614.1	2601.8	-0.6	-36.7	-2652
P59 [80.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1330.9	0.1	34.9	0.1	2.8	-0.0	1330.9	107457	33927	0.1	2.8	224.6
		Cargas muertas	994.2	0.7	26.8	0.3	11.7	-0.0	994.2	80273	25345	0.3	11.7	940.1
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	1.6	0.5	-0.0	0.0	1.6
		Sobrecarga de uso	524.8	-1.1	-2.6	-0.4	-4.9	0.0	524.8	42371	13362	-0.4	-4.9	-388.5
		Viento +X exc.+	-0.1	33.9	0.7	19.7	-0.4	-0.0	-0.1	26.0	-1.8	19.7	-0.4	-531.8
		Viento +X exc.-	-1.5	34.4	1.6	19.9	0.2	-0.0	-1.5	-83.5	-35.6	19.9	0.2	-490.9
		Viento -X exc.+	0.1	-33.9	-0.7	-19.7	0.4	0.0	0.1	-26.0	1.8	-19.7	0.4	531.8
		Viento -X exc.-	1.5	-34.4	-1.6	-19.9	-0.2	0.0	1.5	83.5	35.6	-19.9	-0.2	490.9
		Viento +Y exc.+	-127.9	9.6	82.0	4.3	47.2	0.3	-127.9	-10320	-3176	4.3	47.2	3701.8
		Viento +Y exc.-	-103.9	1.4	64.5	0.5	36.9	0.1	-103.9	-8389	-2582	0.5	36.9	2968.3
		Viento -Y exc.+	127.9	-9.6	-82.0	-4.3	-47.2	-0.3	127.9	10320	3176.0	-4.3	-47.2	-3702
		Viento -Y exc.-	103.9	-1.4	-64.5	-0.5	-36.9	-0.1	103.9	8389.5	2582.0	-0.5	-36.9	-2968
P60 [88.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1364.1	-7.3	35.3	-3.3	2.9	-0.0	1364.1	121043	34773	-3.3	2.9	341.0
		Cargas muertas	999.9	-3.6	27.1	-1.7	12.0	-0.0	999.9	88729	25490	-1.7	12.0	1109.6
		H 1	0.0	-0.0	0.1	-0.0	0.0	0.0	0.0	1.6	0.5	-0.0	0.0	2.1
		Sobrecarga de uso	528.4	-0.3	-1.7	-0.2	-4.6	0.0	528.4	46888	13454	-0.2	-4.6	-398.2
		Viento +X exc.+	2.3	34.0	0.6	19.4	-0.5	-0.0	2.3	242.1	60.3	19.4	-0.5	-540.6
		Viento +X exc.-	0.5	34.4	1.8	19.6	0.2	-0.0	0.5	77.2	14.1	19.6	0.2	-479.7
		Viento -X exc.+	-2.3	-34.0	-0.6	-19.4	0.5	0.0	-2.3	-242.1	-60.3	-19.4	0.5	540.6
		Viento -X exc.-	-0.5	-34.4	-1.8	-19.6	-0.2	0.0	-0.5	-77.2	-14.1	-19.6	-0.2	479.7
		Viento +Y exc.+	-142.4	8.9	87.5	3.9	50.7	0.3	-142.4	-12627	-3538	3.9	50.7	4398.0
		Viento +Y exc.-	-109.7	0.9	65.0	0.3	37.4	0.1	-109.7	-9733	-2728	0.3	37.4	3314.2
		Viento -Y exc.+	142.4	-8.9	-87.5	-3.9	-50.7	-0.3	142.4	12627	3538.5	-3.9	-50.7	-4398
		Viento -Y exc.-	109.7	-0.9	-65.0	-0.3	-37.4	-0.1	109.7	9732.9	2728.3	-0.3	-37.4	-3314
P61 [96.738;25.465;0.0 grados] (50x50)	10.60/13.85	Peso propio	1336.2	4.2	31.4	1.9	3.1	-0.0	1336.2	129264	34057	1.9	3.1	252.5
		Cargas muertas	999.9	2.1	21.3	0.9	7.0	-0.0	999.9	96731	25484	0.9	7.0	650.6
		H 1	0.0	-0.0	0.1	-0.0	0.0	0.0	0.0	2.4	0.7	-0.0	0.0	2.4
		Sobrecarga de uso	529.6	0.1	-1.9	0.2	-4.0	0.0	529.6	51231	13484	0.2	-4.0	-391.7
		Viento +X exc.+	3.3	31.1	0.5	17.0	-0.7	-0.0	3.3	353.4	85.3	17.0	-0.7	-498.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	1.1	31.5	1.7	17.2	0.0	-0.0	1.1	136.8	29.4	17.2	0.0	-433.5
		Viento -X exc.+	-3.3	-31.1	-0.5	-17.0	0.7	0.0	-3.3	-353.4	-85.3	-17.0	0.7	498.2
		Viento -X exc.-	-1.1	-31.5	-1.7	-17.2	-0.0	0.0	-1.1	-136.8	-29.4	-17.2	-0.0	433.5
		Viento +Y exc.+	-146.1	7.8	78.1	3.1	42.4	0.2	-146.1	-14127	-3643	3.1	42.4	4024.7
		Viento +Y exc.-	-106.8	0.8	55.0	0.1	29.7	0.0	-106.8	-10334	-2666	0.1	29.7	2875.6
		Viento -Y exc.+	146.1	-7.8	-78.1	-3.1	-42.4	-0.2	146.1	14127	3642.8	-3.1	-42.4	-4025
		Viento -Y exc.-	106.8	-0.8	-55.0	-0.1	-29.7	-0.0	106.8	10334	2665.6	-0.1	-29.7	-2876
P62 [104.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1318.9	1.4	31.3	0.9	1.0	-0.0	1318.9	138140	33617	0.9	1.0	81.8
		Cargas muertas	995.9	-0.3	27.1	0.1	12.0	-0.0	995.9	104312	25389	0.1	12.0	1250.5
		H 1	-0.0	-0.0	0.1	-0.0	0.0	0.0	-0.0	-0.3	-0.0	-0.0	0.0	2.8
		Sobrecarga de uso	525.5	1.6	-2.9	0.7	-5.0	0.0	525.5	55042	13379	0.7	-5.0	-538.4
		Viento +X exc.+	2.0	34.2	0.7	19.5	-0.9	-0.0	2.0	247.9	52.6	19.5	-0.9	-590.7
		Viento +X exc.-	-0.8	34.6	2.4	19.7	0.2	-0.0	-0.8	-47.8	-17.6	19.7	0.2	-483.9
		Viento -X exc.+	-2.0	-34.2	-0.7	-19.5	0.9	0.0	-2.0	-247.9	-52.6	-19.5	0.9	590.7
		Viento -X exc.-	0.8	-34.6	-2.4	-19.7	-0.2	0.0	0.8	47.8	17.6	-19.7	-0.2	483.9
		Viento +Y exc.+	-160.5	9.2	97.5	4.3	57.2	0.3	-160.5	-16796	-3988	4.3	57.2	5876.8
		Viento +Y exc.-	-110.9	1.1	65.1	0.6	38.2	0.1	-110.9	-11619	-2760	0.6	38.2	3984.0
		Viento -Y exc.+	160.5	-9.2	-97.5	-4.3	-57.2	-0.3	160.5	16796	3988.4	-4.3	-57.2	-5877
Viento -Y exc.-	110.9	-1.1	-65.1	-0.6	-38.2	-0.1	110.9	11619	2759.9	-0.6	-38.2	-3984		
P63 [112.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1362.0	-4.0	35.6	-1.4	2.6	-0.0	1362.0	153542	34718	-1.4	2.6	328.2
		Cargas muertas	990.8	-0.8	27.6	0.1	12.0	-0.0	990.8	111697	25257	0.1	12.0	1351.0
		H 1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.1	0.7	0.0	0.0	-0.0
		Sobrecarga de uso	541.7	-2.1	0.2	-0.7	-3.8	0.0	541.7	61066	13794	-0.7	-3.8	-411.2
		Viento +X exc.+	-1.2	35.8	-0.5	20.5	-1.4	-0.0	-1.2	-96.6	-30.4	20.5	-1.4	-682.5
		Viento +X exc.-	-4.5	36.2	1.7	20.7	-0.1	-0.0	-4.5	-470.1	-112.7	20.7	-0.1	-540.7
		Viento -X exc.+	1.2	-35.8	0.5	-20.5	1.4	0.0	1.2	96.6	30.4	-20.5	1.4	682.5
		Viento -X exc.-	4.5	-36.2	-1.7	-20.7	0.1	0.0	4.5	470.1	112.7	-20.7	0.1	540.7
		Viento +Y exc.+	-168.0	8.0	110.2	3.7	63.2	0.3	-168.0	-18936	-4169	3.7	63.2	7034.0
		Viento +Y exc.-	-110.1	0.3	70.1	0.1	40.3	0.1	-110.1	-12413	-2734	0.1	40.3	4540.3
		Viento -Y exc.+	168.0	-8.0	-110.2	-3.7	-63.2	-0.3	168.0	18936	4168.7	-3.7	-63.2	-7034
Viento -Y exc.-	110.1	-0.3	-70.1	-0.1	-40.3	-0.1	110.1	12413	2733.8	-0.1	-40.3	-4540		
P64 [120.738;25.465;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	987.5	50.2	-5.6	22.6	-11.0	-0.0	987.5	119282	25142	22.6	-11.0	-1910
		Cargas muertas	947.1	13.6	4.1	2.1	-0.4	-0.0	947.1	114366	24122	2.1	-0.4	-106.8
		H 1	0.1	-0.3	0.1	-0.1	0.0	0.0	0.1	8.3	1.9	-0.1	0.0	6.6
		Sobrecarga de uso	367.5	14.1	-4.8	6.4	-4.7	0.0	367.5	44388	9354.1	6.4	-4.7	-731.6
		Viento +X exc.+	28.2	18.2	1.0	10.9	-0.9	-0.0	28.2	3423.8	719.3	10.9	-0.9	-392.9
		Viento +X exc.-	25.1	18.5	3.1	11.1	0.3	-0.0	25.1	3050.8	642.7	11.1	0.3	-243.1
		Viento -X exc.+	-28.2	-18.2	-1.0	-10.9	0.9	0.0	-28.2	-3424	-719.3	-10.9	0.9	392.9
		Viento -X exc.-	-25.1	-18.5	-3.1	-11.1	-0.3	0.0	-25.1	-3051	-642.7	-11.1	-0.3	243.1
		Viento +Y exc.+	-154.1	6.4	101.8	3.5	58.0	0.3	-154.1	-18603	-3823	3.5	58.0	6907.7
		Viento +Y exc.-	-100.2	0.0	61.7	0.6	35.3	0.1	-100.2	-12101	-2491	0.6	35.3	4246.8
		Viento -Y exc.+	154.1	-6.4	-101.8	-3.5	-58.0	-0.3	154.1	18603	3823.1	-3.5	-58.0	-6908
Viento -Y exc.-	100.2	-0.0	-61.7	-0.6	-35.3	-0.1	100.2	12101	2490.5	-0.6	-35.3	-4247		
P47 [32.738;31.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1443.3	17.8	13.3	11.1	14.1	-0.0	1443.3	47267	46147	11.1	14.1	108.3
		Cargas muertas	634.7	9.5	14.8	8.1	15.5	-0.0	634.7	20788	20302	8.1	15.5	249.2
		H 1	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	2.3	2.3	-0.0	-0.0	-0.0
		Sobrecarga de uso	569.0	7.1	5.6	4.9	5.5	0.0	569.0	18635	18194	4.9	5.5	23.3
		Viento +X exc.+	-3.5	12.0	1.9	11.5	1.5	-0.0	-3.5	-102.7	-110.1	11.5	1.5	-320.1
		Viento +X exc.-	3.4	12.4	0.7	11.6	0.7	-0.0	3.4	122.1	107.8	11.6	0.7	-348.7
		Viento -X exc.+	3.5	-12.0	-1.9	-11.5	-1.5	0.0	3.5	102.7	110.1	-11.5	-1.5	320.1
		Viento -X exc.-	-3.4	-12.4	-0.7	-11.6	-0.7	0.0	-3.4	-122.1	-107.8	-11.6	-0.7	348.7
		Viento +Y exc.+	-465.2	10.7	76.7	4.6	47.2	0.3	-465.2	-15218	-14793	4.6	47.2	1399.1
		Viento +Y exc.-	-582.3	4.4	97.2	2.5	59.9	0.1	-582.3	-19058	-18515	2.5	59.9	1881.2
		Viento -Y exc.+	465.2	-10.7	-76.7	-4.6	-47.2	-0.3	465.2	15218	14793	-4.6	-47.2	-1399
Viento -Y exc.-	582.3	-4.4	-97.2	-2.5	-59.9	-0.1	582.3	19058	18515	-2.5	-59.9	-1881		
P48 [40.738;31.965;0.0 grados] (Diámetro 60)	10.60/13.85	Peso propio	1508.1	-2.9	15.6	-0.6	21.1	-0.0	1508.1	61436	48223	-0.6	21.1	879.1
		Cargas muertas	677.3	-3.5	21.3	-2.1	22.3	-0.0	677.3	27589	21672	-2.1	22.3	977.3
		H 1	0.1	-0.0	0.0	-0.0	0.0	0.0	0.1	2.3	1.8	-0.0	0.0	0.2
		Sobrecarga de uso	594.5	-2.6	9.2	-0.9	9.4	0.0	594.5	24215	19011	-0.9	9.4	411.1
		Viento +X exc.+	-13.0	12.5	1.0	11.6	0.6	-0.0	-13.0	-517.6	-415.0	11.6	0.6	-345.1
		Viento +X exc.-	-9.2	13.0	0.3	11.8	0.2	-0.0	-9.2	-362.9	-294.7	11.8	0.2	-369.0
		Viento -X exc.+	13.0	-12.5	-1.0	-11.6	-0.6	0.0	13.0	517.6	415.0	-11.6	-0.6	345.1
		Viento -X exc.-	9.2	-13.0	-0.3	-11.8	-0.2	0.0	9.2	362.9	294.7	-11.8	-0.2	369.0
		Viento +Y exc.+	-442.5	5.5	86.5	0.2	52.6	0.3	-442.5	-18019	-14056	0.2	52.6	2136.5
		Viento +Y exc.-	-506.0	-1.7	99.2	-2.6	60.1	0.1	-506.0	-20615	-16075	-2.6	60.1	2531.1
		Viento -Y exc.+	442.5	-5.5	-86.5	-0.2	-52.6	-0.3	442.5	18019	14056	-0.2	-52.6	-213



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. segunda +10.70														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=10.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	506.0	1.7	-99.2	2.6	-60.1	-0.1	506.0	20615	16075	2.6	-60.1	-2531
M12 [32.588;36.503] (e=30.0 cm)	10.60/14.20	Peso propio	2202.6	-12.7	-69.8	-7.1	-52.4	-7.8	2202.6	71766	80332	-7.1	-52.4	-1458
		Cargas muertas	643.8	-7.2	104.6	-3.0	14.8	-5.5	643.8	20973	23606	-3.0	14.8	585.1
		H 1	-0.5	-0.0	0.8	-0.0	0.4	0.0	-0.5	-15.5	-16.6	-0.0	0.4	14.8
		Sobrecarga de uso	724.2	-4.9	29.6	-2.3	-1.7	-2.9	724.2	23595	26464	-2.3	-1.7	27.4
		Viento +X exc.+	43.1	12.3	-141.2	9.7	-14.1	4.4	43.1	1415.7	1430.8	9.7	-14.1	-810.3
		Viento +X exc.-	41.2	12.6	-151.7	9.8	-19.1	4.5	41.2	1356.0	1353.1	9.8	-19.1	-977.9
		Viento -X exc.+	-43.1	-12.3	141.2	-9.7	14.1	-4.4	-43.1	-1416	-1431	-9.7	14.1	810.3
		Viento -X exc.-	-41.2	-12.6	151.7	-9.8	19.1	-4.5	-41.2	-1356	-1353	-9.8	19.1	977.9
		Viento +Y exc.+	-188.4	1.1	1097.4	0.2	384.7	-0.2	-188.4	-6139	-5781	0.2	384.7	12528
		Viento +Y exc.-	-200.1	-3.2	1370.1	-1.8	490.1	-1.3	-200.1	-6524	-5934	-1.8	490.1	16037
		Viento -Y exc.+	188.4	-1.1	-1097	-0.2	-384.7	0.2	188.4	6139.4	5780.7	-0.2	-384.7	-12528
Viento -Y exc.-	200.1	3.2	-1370	1.8	-490.1	1.3	200.1	6523.8	5933.8	1.8	-490.1	-16037		
M15 [40.825;36.503] (e=30.0 cm)	10.60/14.20	Peso propio	2144.0	17.8	-137.7	8.8	-115.8	7.9	2144.0	87545	78123	8.8	-115.8	-5041
		Cargas muertas	605.0	6.9	81.3	2.5	-19.7	4.8	605.0	24706	22165	2.5	-19.7	-888.4
		H 1	-0.7	0.0	1.2	0.0	0.7	-0.0	-0.7	-27.2	-23.1	0.0	0.7	28.9
		Sobrecarga de uso	673.5	5.2	25.7	2.2	-11.1	2.8	673.5	27499	24609	2.2	-11.1	-531.8
		Viento +X exc.+	13.1	12.5	30.3	9.8	11.7	4.5	13.1	546.1	507.4	9.8	11.7	125.0
		Viento +X exc.-	17.3	12.7	18.0	9.9	7.1	4.5	17.3	717.7	648.4	9.9	7.1	-65.9
		Viento -X exc.+	-13.1	-12.5	-30.3	-9.8	-11.7	-4.5	-13.1	-546.1	-507.4	-9.8	-11.7	-125.0
		Viento -X exc.-	-17.3	-12.7	-18.0	-9.9	-7.1	-4.5	-17.3	-717.7	-648.4	-9.9	-7.1	65.9
		Viento +Y exc.+	-98.1	6.6	1007.5	3.5	369.1	0.9	-98.1	-3997	-2572	3.5	369.1	14943
		Viento +Y exc.-	-173.3	3.5	1231.6	2.0	445.1	0.2	-173.3	-7072	-5095	2.0	445.1	18097
		Viento -Y exc.+	98.1	-6.6	-1007	-3.5	-369.1	-0.9	98.1	3996.7	2572.0	-3.5	-369.1	-14943
Viento -Y exc.-	173.3	-3.5	-1232	-2.0	-445.1	-0.2	173.3	7071.9	5094.7	-2.0	-445.1	-18097		
Sumatorio		Peso propio							101251	6184909	3573273	0.1	14.1	519.2
		Cargas muertas							56089	3427205	1977134	0.1	2.6	94.8
		H 1							0.0	1.7	1.6	0.0	-0.1	-2.4
		Sobrecarga de uso							40420	2476760	1426595	0.0	3.1	112.7
		Viento +X exc.+							-2.6	14505	-95.2	1047.6	1.0	-38013
		Viento +X exc.-							-2.7	14503	-97.1	1047.6	1.1	-35842
		Viento -X exc.+							2.6	-14505	95.2	-1048	-1.0	38013
		Viento -X exc.-							2.7	-14503	97.1	-1048	-1.1	35842
		Viento +Y exc.+							8.0	275.2	46933	-0.1	3345.6	222441
		Viento +Y exc.-							10.8	388.4	47039	-0.1	3343.5	184007
		Viento -Y exc.+							-8.0	-275.2	-46933	0.1	-3346	-222441
Viento -Y exc.-							-10.8	-388.4	-47039	0.1	-3343	-184007		

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1199.6	-32.2	24.4	-12.7	9.0	0.0	1199.6	852.9	53965	-12.7	9.0	579.3
		Cargas muertas	1042.5	-6.8	-5.7	-3.4	-1.4	0.0	1042.5	762.4	46870	-3.4	-1.4	153.2
		H 1	-0.3	-0.2	0.2	-0.0	0.0	0.0	-0.3	-0.4	-14.6	-0.0	0.0	2.0
		Sobrecarga de uso	429.6	-12.3	7.0	-4.9	2.7	0.0	429.6	304.7	19323	-4.9	2.7	223.6
		Viento +X exc.+	-31.9	22.0	5.0	8.9	2.3	-0.1	-31.9	-1.5	-1427	8.9	2.3	-397.6
		Viento +X exc.-	-34.5	21.5	3.7	8.6	1.8	-0.0	-34.5	-4.0	-1547	8.6	1.8	-387.5
		Viento -X exc.+	31.9	-22.0	-5.0	-8.9	-2.3	0.1	31.9	1.5	1427.3	-8.9	-2.3	397.6
		Viento -X exc.-	34.5	-21.5	-3.7	-8.6	-1.8	0.0	34.5	4.0	1547.3	-8.6	-1.8	387.5
		Viento +Y exc.+	60.9	-12.9	3.6	-5.6	0.4	0.3	60.9	32.1	2743.0	-5.6	0.4	252.7
		Viento +Y exc.-	105.9	-4.6	24.8	-2.0	7.9	0.1	105.9	73.5	4787.0	-2.0	7.9	96.3
Viento -Y exc.+	-60.9	12.9	-3.6	5.6	-0.4	-0.3	-60.9	-32.1	-2743	5.6	-0.4	-252.7		
Viento -Y exc.-	-105.9	4.6	-24.8	2.0	-7.9	-0.1	-105.9	-73.5	-4787	2.0	-7.9	-96.3		
P2 [8.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1652.9	2.9	28.8	0.9	11.7	0.0	1652.9	14446	74352	0.9	11.7	59.6
		Cargas muertas	1118.6	-1.0	-25.1	-0.2	-5.9	0.0	1118.6	9773.1	50272	-0.2	-5.9	-43.2
		H 1	0.3	0.1	2.0	0.0	0.5	0.0	0.3	2.3	13.4	0.0	0.5	3.4
		Sobrecarga de uso	632.2	0.6	9.8	0.2	4.1	0.0	632.2	5524.8	28437	0.2	4.1	25.3
		Viento +X exc.+	8.0	33.5	5.6	13.1	2.3	-0.1	8.0	103.5	365.6	13.1	2.3	-570.8
		Viento +X exc.-	4.6	32.7	4.2	12.8	1.9	-0.0	4.6	73.2	212.3	12.8	1.9	-560.2
		Viento -X exc.+	-8.0	-33.5	-5.6	-13.1	-2.3	0.1	-8.0	-103.5	-365.6	-13.1	-2.3	570.8
		Viento -X exc.-	-4.6	-32.7	-4.2	-12.8	-1.9	0.0	-4.6	-73.2	-212.3	-12.8	-1.9	560.2
		Viento +Y exc.+	74.4	-18.2	11.9	-7.6	3.4	0.3	74.4	632.2	3358.7	-7.6	3.4	369.8
		Viento +Y exc.-	132.0	-5.9	32.8	-2.5	10.7	0.1	132.0	1147.4	5967.9	-2.5	10.7	205.9
Viento -Y exc.+	-74.4	18.2	-11.9	7.6	-3.4	-0.3	-74.4	-632.2	-3359	7.6	-3.4	-369.8		





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-132.0	5.9	-32.8	2.5	-10.7	-0.1	-132.0	-1147	-5968	2.5	-10.7	-205.9
P3 [16.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1621.6	-1.4	27.6	-0.1	11.3	0.0	1621.6	27140	72940	-0.1	11.3	193.8
		Cargas muertas	1121.1	-3.1	-29.4	-0.7	-7.1	0.0	1121.1	18762	50380	-0.7	-7.1	-88.5
		H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	2.2	7.7	0.0	0.5	8.2
		Sobrecarga de uso	614.1	-0.4	9.3	-0.0	3.9	0.0	614.1	10279	27624	-0.0	3.9	66.6
		Viento +X exc.+	4.5	32.3	4.7	12.6	1.9	-0.1	4.5	107.3	206.1	12.6	1.9	-534.4
		Viento +X exc.-	1.8	31.5	3.6	12.3	1.5	-0.0	1.8	61.5	84.1	12.3	1.5	-526.4
		Viento -X exc.+	-4.5	-32.3	-4.7	-12.6	-1.9	0.1	-4.5	-107.3	-206.1	-12.6	-1.9	534.4
		Viento -X exc.-	-1.8	-31.5	-3.6	-12.3	-1.5	0.0	-1.8	-61.5	-84.1	-12.3	-1.5	526.4
		Viento +Y exc.+	81.1	-17.4	18.4	-7.2	5.8	0.3	81.1	1340.8	3667.0	-7.2	5.8	422.1
		Viento +Y exc.-	126.8	-5.2	35.7	-2.3	11.7	0.1	126.8	2117.0	5736.7	-2.3	11.7	298.0
		Viento -Y exc.+	-81.1	17.4	-18.4	7.2	-5.8	-0.3	-81.1	-1341	-3667	7.2	-5.8	-422.1
		Viento -Y exc.-	-126.8	5.2	-35.7	2.3	-11.7	-0.1	-126.8	-2117	-5737	2.3	-11.7	-298.0
P4 [24.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1644.8	-1.7	31.7	-0.3	12.8	0.0	1644.8	40688	73991	-0.3	12.8	328.4
		Cargas muertas	1131.9	-1.5	-26.1	-0.2	-6.1	0.0	1131.9	27999	50868	-0.2	-6.1	-141.8
		H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	3.5	8.2	0.0	0.5	12.3
		Sobrecarga de uso	624.8	-0.4	11.2	0.0	4.5	0.0	624.8	15456	28105	0.0	4.5	110.2
		Viento +X exc.+	5.1	32.8	3.5	12.7	1.4	-0.1	5.1	159.9	234.6	12.7	1.4	-535.5
		Viento +X exc.-	2.9	32.0	2.7	12.4	1.1	-0.0	2.9	103.1	131.9	12.4	1.1	-528.3
		Viento -X exc.+	-5.1	-32.8	-3.5	-12.7	-1.4	0.1	-5.1	-159.9	-234.6	-12.7	-1.4	535.5
		Viento -X exc.-	-2.9	-32.0	-2.7	-12.4	-1.1	0.0	-2.9	-103.1	-131.9	-12.4	-1.1	528.3
		Viento +Y exc.+	100.2	-18.2	24.5	-7.5	8.2	0.3	100.2	2460.9	4530.5	-7.5	8.2	541.0
		Viento +Y exc.-	138.6	-6.1	37.3	-2.6	12.6	0.1	138.6	3421.8	6267.9	-2.6	12.6	429.9
		Viento -Y exc.+	-100.2	18.2	-24.5	7.5	-8.2	-0.3	-100.2	-2461	-4531	7.5	-8.2	-541.0
		Viento -Y exc.-	-138.6	6.1	-37.3	2.6	-12.6	-0.1	-138.6	-3422	-6268	2.6	-12.6	-429.9
P5 [32.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1592.9	-1.0	28.1	0.1	11.4	0.0	1592.9	52148	71653	0.1	11.4	369.0
		Cargas muertas	1114.9	-3.2	-28.3	-0.6	-6.8	0.0	1114.9	36497	50103	-0.6	-6.8	-196.7
		H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	4.7	8.3	0.0	0.5	16.1
		Sobrecarga de uso	601.7	-0.3	9.3	0.0	3.8	0.0	601.7	19698	27064	0.0	3.8	121.0
		Viento +X exc.+	6.2	32.6	2.5	12.7	1.0	-0.1	6.2	234.7	280.0	12.7	1.0	-536.9
		Viento +X exc.-	3.4	31.9	1.9	12.3	0.8	-0.0	3.4	144.3	156.4	12.3	0.8	-530.3
		Viento -X exc.+	-6.2	-32.6	-2.5	-12.7	-1.0	0.1	-6.2	-234.7	-280.0	-12.7	-1.0	536.9
		Viento -X exc.-	-3.4	-31.9	-1.9	-12.3	-0.8	0.0	-3.4	-144.3	-156.4	-12.3	-0.8	530.3
		Viento +Y exc.+	182.2	-18.3	37.5	-7.6	13.3	0.3	182.2	5945.8	8229.0	-7.6	13.3	779.1
		Viento +Y exc.-	228.6	-6.2	48.0	-2.7	17.0	0.1	228.6	7478.2	10328	-2.7	17.0	678.8
		Viento -Y exc.+	-182.2	18.3	-37.5	7.6	-13.3	-0.3	-182.2	-5946	-8229	7.6	-13.3	-779.1
		Viento -Y exc.-	-228.6	6.2	-48.0	2.7	-17.0	-0.1	-228.6	-7478	-10328	2.7	-17.0	-678.8
P6 [40.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1564.1	4.4	27.4	1.8	11.3	0.0	1564.1	63722	70355	1.8	11.3	379.3
		Cargas muertas	1103.7	3.6	-29.7	1.2	-7.2	0.0	1103.7	44967	49599	1.2	-7.2	-351.4
		H 1	0.2	0.0	1.9	0.0	0.5	0.0	0.2	6.2	8.7	0.0	0.5	20.2
		Sobrecarga de uso	591.9	1.1	8.9	0.5	3.6	0.0	591.9	24115	26625	0.5	3.6	127.1
		Viento +X exc.+	-1.4	34.0	0.3	13.1	0.1	-0.1	-1.4	-24.0	-63.7	13.1	0.1	-584.6
		Viento +X exc.-	-3.1	33.1	0.0	12.7	-0.0	-0.0	-3.1	-91.4	-137.5	12.7	-0.0	-574.2
		Viento -X exc.+	1.4	-34.0	-0.3	-13.1	-0.1	0.1	1.4	24.0	63.7	-13.1	-0.1	584.6
		Viento -X exc.-	3.1	-33.1	0.0	-12.7	0.0	0.0	3.1	91.4	137.5	-12.7	0.0	574.2
		Viento +Y exc.+	197.1	-18.1	45.5	-7.4	16.3	0.3	197.1	8012.6	8909.4	-7.4	16.3	997.6
		Viento +Y exc.-	224.3	-5.4	50.9	-2.3	18.2	0.1	224.3	9131.6	10136	-2.3	18.2	842.6
		Viento -Y exc.+	-197.1	18.1	-45.5	7.4	-16.3	-0.3	-197.1	-8013	-8909	7.4	-16.3	-997.6
		Viento -Y exc.-	-224.3	5.4	-50.9	2.3	-18.2	-0.1	-224.3	-9132	-10136	2.3	-18.2	-842.6
P7 [48.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1758.0	-22.3	33.0	-9.0	14.3	0.0	1758.0	85657	79079	-9.0	14.3	1102.8
		Cargas muertas	1154.1	-14.6	-22.6	-4.7	-4.5	0.0	1154.1	56234	51872	-4.7	-4.5	-8.4
		H 1	0.1	0.1	1.9	0.0	0.5	0.0	0.1	6.3	7.6	0.0	0.5	23.6
		Sobrecarga de uso	647.0	-5.4	10.6	-2.2	4.6	0.0	647.0	31526	29101	-2.2	4.6	319.6
		Viento +X exc.+	10.3	27.5	-0.5	10.6	-0.2	-0.1	10.3	529.1	462.2	10.6	-0.2	-488.2
		Viento +X exc.-	9.8	26.8	-0.5	10.3	-0.2	-0.0	9.8	502.5	438.3	10.3	-0.2	-475.1
		Viento -X exc.+	-10.3	-27.5	0.5	-10.6	0.2	0.1	-10.3	-529.1	-462.2	-10.6	0.2	488.2
		Viento -X exc.-	-9.8	-26.8	0.5	-10.3	0.2	0.0	-9.8	-502.5	-438.3	-10.3	0.2	475.1
		Viento +Y exc.+	128.4	-15.0	44.0	-6.2	15.1	0.3	128.4	6244.4	5818.8	-6.2	15.1	1014.9
		Viento +Y exc.-	137.2	-4.4	44.4	-1.9	15.1	0.1	137.2	6684.2	6215.1	-1.9	15.1	821.1
		Viento -Y exc.+	-128.4	15.0	-44.0	6.2	-15.1	-0.3	-128.4	-6244	-5819	6.2	-15.1	-1015
		Viento -Y exc.-	-137.2	4.4	-44.4	1.9	-15.1	-0.1	-137.2	-6684	-6215	1.9	-15.1	-821.1
P8 [56.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1606.5	3.1	28.9	1.3	12.7	0.0	1606.5	91155	72266	1.3	12.7	666.1
		Cargas muertas	1110.7	-0.3	-27.1	-0.1	-5.9	0.0	1110.7	63016	49913	-0.1	-5.9	-332.5
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	7.3	7.6	0.0	0.5	26.8
		Sobrecarga de uso	609.1	0.2	9.7	0.1	4.2	0.0	609.1	34562	27400	0.1	4.2	232.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-9.3	33.1	-2.1	12.6	-0.9	-0.1	-9.3	-495.3	-420.9	12.6	-0.9	-620.3
		Viento +X exc.-	-9.0	32.3	-1.8	12.3	-0.8	-0.0	-9.0	-479.4	-407.3	12.3	-0.8	-599.3
		Viento -X exc.+	9.3	-33.1	2.1	-12.6	0.9	0.1	9.3	495.3	420.9	-12.6	0.9	620.3
		Viento -X exc.-	9.0	-32.3	1.8	-12.3	0.8	0.0	9.0	479.4	407.3	-12.3	0.8	599.3
		Viento +Y exc.+	135.2	-18.2	52.2	-7.4	17.8	0.3	135.2	7650.5	6129.6	-7.4	17.8	1341.6
		Viento +Y exc.-	130.1	-5.9	48.1	-2.4	16.3	0.1	130.1	7375.4	5897.7	-2.4	16.3	1032.0
		Viento -Y exc.+	-135.2	18.2	-52.2	7.4	-17.8	-0.3	-135.2	-7651	-6130	7.4	-17.8	-1342
		Viento -Y exc.-	-130.1	5.9	-48.1	2.4	-16.3	-0.1	-130.1	-7375	-5898	2.4	-16.3	-1032
P9 [64.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1610.8	-2.2	28.5	-0.7	12.5	0.0	1610.8	104277	72457	-0.7	12.5	843.3
		Cargas muertas	1126.4	-2.1	-27.6	-0.5	-6.0	0.0	1126.4	72922	50622	-0.5	-6.0	-365.1
		H 1	0.1	0.0	1.9	0.0	0.5	0.0	0.1	9.2	8.2	0.0	0.5	31.7
		Sobrecarga de uso	619.2	-0.6	9.9	-0.2	4.2	0.0	619.2	40085	27852	-0.2	4.2	281.7
		Viento +X exc.+	-0.9	33.0	-3.0	12.6	-1.3	-0.1	-0.9	-23.5	-42.2	12.6	-1.3	-649.2
		Viento +X exc.-	-0.2	32.2	-2.4	12.2	-1.1	-0.0	-0.2	21.7	-9.7	12.2	-1.1	-620.9
		Viento -X exc.+	0.9	-33.0	3.0	-12.6	1.3	0.1	0.9	23.5	42.2	-12.6	1.3	649.2
		Viento -X exc.-	0.2	-32.2	2.4	-12.2	1.1	0.0	0.2	-21.7	9.7	-12.2	1.1	620.9
		Viento +Y exc.+	141.3	-18.2	58.3	-7.4	20.0	0.3	141.3	9126.6	6410.0	-7.4	20.0	1627.9
		Viento +Y exc.-	128.8	-5.8	50.0	-2.4	17.0	0.1	128.8	8330.7	5840.3	-2.4	17.0	1212.0
		Viento -Y exc.+	-141.3	18.2	-58.3	7.4	-20.0	-0.3	-141.3	-9127	-6410	7.4	-20.0	-1628
		Viento -Y exc.-	-128.8	5.8	-50.0	2.4	-17.0	-0.1	-128.8	-8331	-5840	2.4	-17.0	-1212
P10 [72.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1625.7	-1.6	29.2	-0.9	12.6	0.0	1625.7	118248	73128	-0.9	12.6	958.7
		Cargas muertas	1129.2	-1.6	-26.4	-0.6	-5.9	0.0	1129.2	82137	50749	-0.6	-5.9	-404.2
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	9.7	7.8	0.0	0.5	34.9
		Sobrecarga de uso	620.2	-0.5	10.0	-0.2	4.2	0.0	620.2	45113	27898	-0.2	4.2	316.4
		Viento +X exc.+	-0.0	33.6	-3.9	12.9	-1.6	-0.1	-0.0	32.1	-4.8	12.9	-1.6	-698.9
		Viento +X exc.-	1.3	32.8	-3.0	12.6	-1.3	-0.0	1.3	124.0	53.4	12.6	-1.3	-661.3
		Viento -X exc.+	0.0	-33.6	3.9	-12.9	1.6	0.1	0.0	-32.1	4.8	-12.9	1.6	698.9
		Viento -X exc.-	-1.3	-32.8	3.0	-12.6	1.3	0.0	-1.3	-124.0	-53.4	-12.6	1.3	661.3
		Viento +Y exc.+	154.9	-17.8	64.9	-7.3	22.7	0.3	154.9	11250	7030.5	-7.3	22.7	1978.8
		Viento +Y exc.-	132.7	-5.4	52.3	-2.3	18.2	0.1	132.7	9645.6	6018.3	-2.3	18.2	1427.6
		Viento -Y exc.+	-154.9	17.8	-64.9	7.3	-22.7	-0.3	-154.9	-11250	-7031	7.3	-22.7	-1979
		Viento -Y exc.-	-132.7	5.4	-52.3	2.3	-18.2	-0.1	-132.7	-9646	-6018	2.3	-18.2	-1428
P11 [80.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1612.0	-1.7	30.5	-1.0	13.1	0.0	1612.0	130148	72513	-1.0	13.1	1098.9
		Cargas muertas	1125.8	-0.6	-26.4	-0.5	-5.9	0.0	1125.8	90896	50596	-0.5	-5.9	-452.2
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	11.5	8.2	0.0	0.5	38.7
		Sobrecarga de uso	618.5	-0.6	10.4	-0.3	4.3	0.0	618.5	49939	27823	-0.3	4.3	363.3
		Viento +X exc.+	-2.0	34.0	-5.2	13.0	-2.2	-0.1	-2.0	-123.6	-92.9	13.0	-2.2	-763.0
		Viento +X exc.-	-0.1	33.2	-4.1	12.7	-1.8	-0.0	-0.1	23.0	-9.7	12.7	-1.8	-714.8
		Viento -X exc.+	2.0	-34.0	5.2	-13.0	2.2	0.1	2.0	123.6	92.9	-13.0	2.2	763.0
		Viento -X exc.-	0.1	-33.2	4.1	-12.7	1.8	0.0	0.1	-23.0	9.7	-12.7	1.8	714.8
		Viento +Y exc.+	162.1	-18.7	70.3	-7.5	24.7	0.3	162.1	13071	7360.0	-7.5	24.7	2331.6
		Viento +Y exc.-	130.5	-6.0	53.6	-2.4	18.8	0.1	130.5	10530	5921.4	-2.4	18.8	1624.8
		Viento -Y exc.+	-162.1	18.7	-70.3	7.5	-24.7	-0.3	-162.1	-13071	-7360	7.5	-24.7	-2332
		Viento -Y exc.-	-130.5	6.0	-53.6	2.4	-18.8	-0.1	-130.5	-10530	-5921	2.4	-18.8	-1625
P12 [88.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1621.0	1.2	29.9	-0.1	13.1	0.0	1621.0	143848	72919	-0.1	13.1	1170.1
		Cargas muertas	1129.6	2.0	-25.9	0.3	-5.6	0.0	1129.6	100242	50767	0.3	-5.6	-512.6
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	12.5	8.1	0.0	0.5	42.4
		Sobrecarga de uso	619.2	0.5	10.1	0.0	4.3	0.0	619.2	54951	27854	0.0	4.3	378.6
		Viento +X exc.+	-1.8	33.6	-6.4	12.9	-2.7	-0.1	-1.8	-124.5	-86.5	12.9	-2.7	-824.4
		Viento +X exc.-	0.6	32.8	-5.0	12.6	-2.2	-0.0	0.6	89.2	23.6	12.6	-2.2	-763.8
		Viento -X exc.+	1.8	-33.6	6.4	-12.9	2.7	0.1	1.8	124.5	86.5	-12.9	2.7	824.4
		Viento -X exc.-	-0.6	-32.8	5.0	-12.6	2.2	0.0	-0.6	-89.2	-23.6	-12.6	2.2	763.8
		Viento +Y exc.+	176.3	-17.9	77.6	-7.3	27.2	0.3	176.3	15628	8005.4	-7.3	27.2	2743.1
		Viento +Y exc.-	134.5	-5.5	56.5	-2.3	19.8	0.1	134.5	11931	6104.8	-2.3	19.8	1856.9
		Viento -Y exc.+	-176.3	17.9	-77.6	7.3	-27.2	-0.3	-176.3	-15628	-8005	7.3	-27.2	-2743
		Viento -Y exc.-	-134.5	5.5	-56.5	2.3	-19.8	-0.1	-134.5	-11931	-6105	2.3	-19.8	-1857
P13 [96.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1623.3	1.8	29.6	0.3	13.1	0.0	1623.3	157035	73020	0.3	13.1	1251.1
		Cargas muertas	1126.9	3.6	-27.0	0.9	-6.0	0.0	1126.9	109015	50642	0.9	-6.0	-620.4
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	14.2	8.4	0.0	0.5	45.8
		Sobrecarga de uso	618.6	0.6	10.1	0.1	4.3	0.0	618.6	59843	27825	0.1	4.3	406.1
		Viento +X exc.+	-3.7	33.9	-8.0	13.2	-3.4	-0.1	-3.7	-324.4	-174.5	13.2	-3.4	-920.6
		Viento +X exc.-	-0.7	33.1	-6.3	12.8	-2.8	-0.0	-0.7	-31.7	-36.4	12.8	-2.8	-845.5
		Viento -X exc.+	3.7	-33.9	8.0	-13.2	3.4	0.1	3.7	324.4	174.5	-13.2	3.4	920.6
		Viento -X exc.-	0.7	-33.1	6.3	-12.8	2.8	0.0	0.7	31.7	36.4	-12.8	2.8	845.5
		Viento +Y exc.+	187.8	-18.6	83.8	-7.6	29.6	0.3	187.8	18145	8526.6	-7.6	29.6	3207.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P14 [104.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Viento +Y exc.-	135.6	-5.9	58.5	-2.5	20.6	0.1	135.6	13109	6154.5	-2.5	20.6	2108.2
		Viento -Y exc.+	-187.8	18.6	-83.8	7.6	-29.6	-0.3	-187.8	-18145	-8527	7.6	-29.6	-3207
		Viento -Y exc.-	-135.6	5.9	-58.5	2.5	-20.6	-0.1	-135.6	-13109	-6154	2.5	-20.6	-2108
		Peso propio	1648.0	0.7	32.7	0.3	14.4	0.0	1648.0	172606	74133	0.3	14.4	1501.7
		Cargas muertas	1140.1	1.4	-27.3	0.5	-5.8	0.0	1140.1	119413	51237	0.5	-5.8	-629.9
		H 1	0.1	0.0	1.8	0.0	0.5	0.0	0.1	13.3	7.5	0.0	0.5	49.8
		Sobrecarga de uso	627.4	0.5	10.9	0.2	4.6	0.0	627.4	65712	28221	0.2	4.6	475.7
		Viento +X exc.+	-5.5	33.4	-9.4	12.9	-4.0	-0.1	-5.5	-542.4	-256.6	12.9	-4.0	-1002
		Viento +X exc.-	-1.8	32.6	-7.5	12.6	-3.3	-0.0	-1.8	-158.3	-89.5	12.6	-3.3	-912.1
		Viento -X exc.+	5.5	-33.4	9.4	-12.9	4.0	0.1	5.5	542.4	256.6	-12.9	4.0	1001.7
		Viento -X exc.-	1.8	-32.6	7.5	-12.6	3.3	0.0	1.8	158.3	89.5	-12.6	3.3	912.1
		Viento +Y exc.+	204.7	-18.1	89.1	-7.5	31.6	0.3	204.7	21417	9291.3	-7.5	31.6	3645.9
		Viento +Y exc.-	141.3	-5.7	59.8	-2.4	21.2	0.1	141.3	14797	6414.6	-2.4	21.2	2333.8
		Viento -Y exc.+	-204.7	18.1	-89.1	7.5	-31.6	-0.3	-204.7	-21417	-9291	7.5	-31.6	-3646
		Viento -Y exc.-	-141.3	5.7	-59.8	2.4	-21.2	-0.1	-141.3	-14797	-6415	2.4	-21.2	-2334
P15 [112.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1682.6	2.2	33.1	0.9	14.8	0.0	1682.6	189697	75691	0.9	14.8	1626.6
		Cargas muertas	1142.2	2.8	-28.6	0.9	-6.1	0.0	1142.2	128772	51330	0.9	-6.1	-727.2
		H 1	0.2	0.0	1.8	-0.0	0.5	0.0	0.2	24.7	11.7	-0.0	0.5	52.6
		Sobrecarga de uso	648.4	0.3	11.0	0.2	4.7	0.0	648.4	73098	29166	0.2	4.7	522.6
		Viento +X exc.+	-10.5	34.7	-11.0	13.3	-4.7	-0.1	-10.5	-1153	-484.6	13.3	-4.7	-1127
		Viento +X exc.-	-6.1	33.9	-8.8	13.0	-3.9	-0.0	-6.1	-656.6	-284.1	13.0	-3.9	-1019
		Viento -X exc.+	10.5	-34.7	11.0	-13.3	4.7	0.1	10.5	1152.8	484.6	-13.3	4.7	1126.7
		Viento -X exc.-	6.1	-33.9	8.8	-13.0	3.9	0.0	6.1	656.6	284.1	-13.0	3.9	1019.3
		Viento +Y exc.+	219.0	-18.8	95.3	-7.7	34.0	0.3	219.0	24676	9944.4	-7.7	34.0	4180.6
		Viento +Y exc.-	143.5	-5.9	61.8	-2.5	22.1	0.1	143.5	16173	6514.6	-2.5	22.1	2607.9
		Viento -Y exc.+	-219.0	18.8	-95.3	7.7	-34.0	-0.3	-219.0	-24676	-9944	7.7	-34.0	-4181
		Viento -Y exc.-	-143.5	5.9	-61.8	2.5	-22.1	-0.1	-143.5	-16173	-6515	2.5	-22.1	-2608
		Peso propio	1198.3	29.5	23.7	11.7	10.6	0.0	1198.3	144706	53903	11.7	10.6	760.6
		Cargas muertas	1052.5	11.0	-5.8	4.5	-0.8	0.0	1052.5	127088	47320	4.5	-0.8	-294.6
		H 1	-0.3	0.2	0.1	0.0	0.0	0.0	-0.3	-36.3	-13.5	0.0	0.0	-1.9
P16 [120.738;44.965;0.0 grados] (Diámetro 60)	5.25/10.25	Sobrecarga de uso	429.8	12.7	7.1	5.0	2.9	0.0	429.8	51907	19333	5.0	2.9	127.5
		Viento +X exc.+	30.1	22.1	-9.8	8.8	-4.4	-0.1	30.1	3656.9	1343.8	8.8	-4.4	-927.0
		Viento +X exc.-	33.9	21.6	-7.6	8.6	-3.6	-0.0	33.9	4118.0	1517.9	8.6	-3.6	-816.7
		Viento -X exc.+	-30.1	-22.1	9.8	-8.8	4.4	0.1	-30.1	-3657	-1344	-8.8	4.4	927.0
		Viento -X exc.-	-33.9	-21.6	7.6	-8.6	3.6	0.0	-33.9	-4118	-1518	-8.6	3.6	816.7
		Viento +Y exc.+	190.3	-12.4	90.4	-5.5	33.0	0.3	190.3	22962	8646.4	-5.5	33.0	4234.3
		Viento +Y exc.-	124.6	-4.0	56.9	-1.8	20.9	0.1	124.6	15041	5660.0	-1.8	20.9	2610.0
		Viento -Y exc.+	-190.3	12.4	-90.4	5.5	-33.0	-0.3	-190.3	-22962	-8646	5.5	-33.0	-4234
		Viento -Y exc.-	-124.6	4.0	-56.9	1.8	-20.9	-0.1	-124.6	-15041	-5660	1.8	-20.9	-2610
		Peso propio	1576.7	-10.3	-0.4	-6.1	-0.0	0.0	1576.7	1074.2	60647	-6.1	-0.0	235.7
		Cargas muertas	1000.8	17.7	1.1	3.8	0.2	0.0	1000.8	706.0	38495	3.8	0.2	-147.4
		H 1	0.4	-1.3	-0.0	-0.4	-0.0	0.0	0.4	-1.0	16.2	-0.4	-0.0	13.7
		Sobrecarga de uso	605.7	-4.7	0.2	-2.7	0.1	0.0	605.7	411.9	23298	-2.7	0.1	102.1
		Viento +X exc.+	-39.2	16.1	5.1	6.5	2.2	-0.0	-39.2	-10.8	-1503	6.5	2.2	-249.6
P17 [0.688;38.465;0.0 grados] (Diámetro 50)	5.25/10.25	Viento +X exc.-	-38.6	15.9	3.8	6.4	1.7	-0.0	-38.6	-10.7	-1480	6.4	1.7	-245.3
		Viento -X exc.+	39.2	-16.1	-5.1	-6.5	-2.2	0.0	39.2	10.8	1502.6	-6.5	-2.2	249.6
		Viento -X exc.-	38.6	-15.9	-3.8	-6.4	-1.7	0.0	38.6	10.7	1479.6	-6.4	-1.7	245.3
		Viento +Y exc.+	-1.1	-6.3	5.3	-2.7	1.9	0.1	-1.1	-7.0	-35.9	-2.7	1.9	106.7
		Viento +Y exc.-	-11.8	-2.1	25.5	-0.9	9.9	0.0	-11.8	-10.2	-428.3	-0.9	9.9	40.4
		Viento -Y exc.+	1.1	6.3	-5.3	2.7	-1.9	-0.1	1.1	7.0	35.9	2.7	-1.9	-106.7
		Viento -Y exc.-	11.8	2.1	-25.5	0.9	-9.9	-0.0	11.8	10.2	428.3	0.9	-9.9	-40.4
		Peso propio	2149.6	12.9	-10.8	5.3	-4.5	0.0	2149.6	18795	82672	5.3	-4.5	-241.0
		Cargas muertas	811.7	-0.4	-2.3	0.9	-1.7	0.0	811.7	7091.8	31218	0.9	-1.7	-49.1
		H 1	-0.3	0.3	-0.2	0.1	-0.0	0.0	-0.3	-2.2	-11.1	0.1	-0.0	-3.1
		Sobrecarga de uso	854.3	4.5	-3.8	1.9	-1.6	0.0	854.3	7469.2	32857	1.9	-1.6	-85.3
		Viento +X exc.+	10.4	30.5	4.8	11.7	2.1	-0.0	10.4	121.3	404.3	11.7	2.1	-431.4
		Viento +X exc.-	11.4	30.0	3.6	11.5	1.6	-0.0	11.4	129.5	441.6	11.5	1.6	-427.6
		Viento -X exc.+	-10.4	-30.5	-4.8	-11.7	-2.1	0.0	-10.4	-121.3	-404.3	-11.7	-2.1	431.4
P18 [8.738;38.465;0.0 grados] (50x50)	5.25/10.25	Viento -X exc.-	-11.4	-30.0	-3.6	-11.5	-1.6	0.0	-11.4	-129.5	-441.6	-11.5	-1.6	427.6
		Viento +Y exc.+	-20.7	-11.6	10.5	-4.9	3.7	0.2	-20.7	-192.2	-784.8	-4.9	3.7	219.5
		Viento +Y exc.-	-37.8	-3.7	30.2	-1.6	11.2	0.1	-37.8	-334.0	-1424	-1.6	11.2	159.6
		Viento -Y exc.+	20.7	11.6	-10.5	4.9	-3.7	-0.2	20.7	192.2	784.8	4.9	-3.7	-219.5
		Viento -Y exc.-	37.8	3.7	-30.2	1.6	-11.2	-0.1	37.8	334.0	1423.8	1.6	-11.2	-159.6
		Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2
		Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2
		Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2
		Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2
		Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2
P19 [16.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2349.4	-2.7	-1.2	-1.0	-0.1	0.0	2349.4	39322	90369	-1.0	-0.1	34.8
		Cargas muertas	936.0	-2.6	0.4	-0.8	-0.1	0.0	936.0	15664	36003	-0.8	-0.1	28.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	-0.2	0.0	-0.2	0.0	-0.0	0.0	-0.2	-2.8	-6.5	0.0	-0.0	-0.7
		Sobrecarga de uso	951.5	-1.0	-0.4	-0.3	-0.0	0.0	951.5	15925	36600	-0.3	-0.0	12.8
		Viento +X exc.+	-0.8	31.5	4.2	12.1	1.8	-0.0	-0.8	17.7	-27.7	12.1	1.8	-436.1
		Viento +X exc.-	-0.6	31.0	3.1	11.9	1.4	-0.0	-0.6	20.9	-20.2	11.9	1.4	-434.5
		Viento -X exc.+	0.8	-31.5	-4.2	-12.1	-1.8	0.0	0.8	-17.7	27.7	-12.1	-1.8	436.1
		Viento -X exc.-	0.6	-31.0	-3.1	-11.9	-1.4	0.0	0.6	-20.9	20.2	-11.9	-1.4	434.5
		Viento +Y exc.+	-4.3	-11.7	18.1	-4.9	6.7	0.2	-4.3	-84.0	-147.9	-4.9	6.7	301.3
		Viento +Y exc.-	-8.0	-3.3	35.3	-1.4	13.2	0.1	-8.0	-137.4	-273.0	-1.4	13.2	276.0
		Viento -Y exc.+	4.3	11.7	-18.1	4.9	-6.7	-0.2	4.3	84.0	147.9	4.9	-6.7	-301.3
		Viento -Y exc.-	8.0	3.3	-35.3	1.4	-13.2	-0.1	8.0	137.4	273.0	1.4	-13.2	-276.0
P20 [24.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	1982.7	-7.3	-15.7	-2.5	-5.5	0.0	1982.7	49041	76250	-2.5	-5.5	-42.6
		Cargas muertas	757.5	1.9	-2.9	0.3	-1.8	0.0	757.5	18740	29134	0.3	-1.8	-55.9
		H 1	-0.2	0.0	-0.2	-0.0	-0.0	0.0	-0.2	-4.0	-6.4	-0.0	-0.0	-1.0
		Sobrecarga de uso	780.4	-3.0	-6.0	-0.9	-2.2	0.0	780.4	19302	30011	-0.9	-2.2	-17.7
		Viento +X exc.+	-9.9	31.2	3.5	11.9	1.4	-0.0	-9.9	-212.8	-376.0	11.9	1.4	-423.9
		Viento +X exc.-	-9.4	30.7	2.6	11.7	1.1	-0.0	-9.4	-202.7	-360.4	11.7	1.1	-423.9
		Viento -X exc.+	9.9	-31.2	-3.5	-11.9	-1.4	0.0	9.9	212.8	376.0	-11.9	-1.4	423.9
		Viento -X exc.-	9.4	-30.7	-2.6	-11.7	-1.1	0.0	9.4	202.7	360.4	-11.7	-1.1	423.9
		Viento +Y exc.+	-5.7	-12.6	27.2	-5.2	9.7	0.2	-5.7	-153.2	-191.5	-5.2	9.7	441.5
		Viento +Y exc.-	-12.7	-4.6	41.2	-2.0	14.8	0.1	-12.7	-317.9	-445.9	-2.0	14.8	441.6
P21 [32.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	780.7	4.0	-5.9	7.4	19.3	0.4	780.7	25564	30025	7.4	19.3	346.0
		Cargas muertas	231.1	0.7	-2.6	0.8	0.9	0.1	231.1	7566.3	8886.4	0.8	0.9	-2.6
		H 1	-0.8	0.1	-0.1	-0.0	-0.2	0.0	-0.8	-25.2	-29.8	-0.0	-0.2	-5.6
		Sobrecarga de uso	246.8	2.4	-2.6	1.9	2.9	0.1	246.8	8081.5	9489.8	1.9	2.9	21.6
		Viento +X exc.+	133.6	20.5	-0.9	13.0	7.9	0.3	133.6	4394.7	5138.4	13.0	7.9	-241.5
		Viento +X exc.-	112.1	20.3	-1.1	12.2	6.4	0.3	112.1	3691.1	4311.8	12.2	6.4	-262.9
		Viento -X exc.+	-133.6	-20.5	0.9	-13.0	-7.9	-0.3	-133.6	-4395	-5138	-13.0	-7.9	241.5
		Viento -X exc.-	-112.1	-20.3	1.1	-12.2	-6.4	-0.3	-112.1	-3691	-4312	-12.2	-6.4	262.9
		Viento +Y exc.+	1155.9	-19.0	14.9	15.2	76.6	-1.1	1155.9	37822	44476	15.2	76.6	1920.6
		Viento +Y exc.-	1519.4	-15.7	18.4	26.9	101.2	-1.4	1519.4	49725	58460	26.9	101.2	2278.1
P22 [40.675;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	742.1	0.8	-4.9	-6.7	22.2	-0.2	742.1	30185	28539	-6.7	22.2	1160.4
		Cargas muertas	210.6	2.2	-2.1	-0.1	1.9	0.0	210.6	8567.1	8097.3	-0.1	1.9	79.8
		H 1	-1.9	0.0	-0.1	0.1	-0.3	-0.0	-1.9	-76.9	-72.8	0.1	-0.3	-16.6
		Sobrecarga de uso	225.9	-1.1	-2.4	-1.3	2.8	-0.1	225.9	9185.5	8685.0	-1.3	2.8	165.9
		Viento +X exc.+	-63.9	21.6	2.0	10.0	0.9	0.3	-63.9	-2577	-2455	10.0	0.9	-347.6
		Viento +X exc.-	-72.9	21.1	1.8	9.8	0.3	0.3	-72.9	-2946	-2804	9.8	0.3	-365.3
		Viento -X exc.+	63.9	-21.6	-2.0	-10.0	-0.9	-0.3	63.9	2576.6	2455.1	-10.0	-0.9	347.6
		Viento -X exc.-	72.9	-21.1	-1.8	-9.8	-0.3	-0.3	72.9	2945.9	2804.0	-9.8	-0.3	365.3
		Viento +Y exc.+	1445.1	3.1	16.9	-37.1	103.7	1.3	1445.1	58784	55604	-37.1	103.7	5645.1
		Viento +Y exc.-	1600.7	10.8	19.6	-35.0	113.3	1.5	1600.7	65118	61589	-35.0	113.3	5959.1
P23 [48.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2208.3	-13.9	-10.9	-5.4	-4.5	0.0	2208.3	107612	84930	-5.4	-4.5	-9.6
		Cargas muertas	829.8	-12.9	-4.9	-3.8	-2.3	0.0	829.8	40431	31914	-3.8	-2.3	34.5
		H 1	-0.2	0.1	-0.2	0.0	-0.0	0.0	-0.2	-7.6	-6.2	0.0	-0.0	-2.9
		Sobrecarga de uso	849.1	-2.7	-3.9	-1.1	-1.6	0.0	849.1	41380	32656	-1.1	-1.6	-37.9
		Viento +X exc.+	16.8	26.6	-0.6	10.3	-0.3	-0.0	16.8	845.3	645.5	10.3	-0.3	-411.0
		Viento +X exc.-	16.7	26.2	-0.6	10.1	-0.3	-0.0	16.7	840.4	641.9	10.1	-0.3	-403.0
		Viento -X exc.+	-16.8	-26.6	0.6	-10.3	0.3	0.0	-16.8	-845.3	-645.5	-10.3	0.3	411.0
		Viento -X exc.-	-16.7	-26.2	0.6	-10.1	0.3	0.0	-16.7	-840.4	-641.9	-10.1	0.3	403.0
		Viento +Y exc.+	-13.0	-8.9	39.9	-3.9	15.2	0.2	-13.0	-641.2	-459.1	-3.9	15.2	891.5
		Viento +Y exc.-	-11.3	-1.8	40.0	-0.9	15.2	0.1	-11.3	-554.2	-395.9	-0.9	15.2	774.1
P24 [56.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2074.9	15.6	-10.9	6.5	-4.3	0.0	2074.9	117738	79798	6.5	-4.3	-496.4
		Cargas muertas	794.7	5.3	-4.9	2.3	-2.3	0.0	794.7	45097	30565	2.3	-2.3	-220.9
		H 1	-0.2	0.1	-0.2	0.0	-0.0	0.0	-0.2	-9.1	-6.4	0.0	-0.0	-3.3
		Sobrecarga de uso	817.3	4.6	-4.3	1.9	-1.8	0.0	817.3	46379	31435	1.9	-1.8	-176.3
		Viento +X exc.+	-0.9	28.9	-1.5	11.2	-0.7	-0.0	-0.9	-19.5	-34.3	11.2	-0.7	-472.7
		Viento +X exc.-	-0.9	28.4	-1.3	11.0	-0.6	-0.0	-0.9	-23.0	-36.1	11.0	-0.6	-458.9
		Viento -X exc.+	0.9	-28.9	1.5	-11.2	0.7	0.0	0.9	19.5	34.3	-11.2	0.7	472.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	0.9	-28.4	1.3	-11.0	0.6	0.0	0.9	23.0	36.1	-11.0	0.6	458.9
		Viento +Y exc.+	-33.7	-10.2	46.0	-4.5	17.7	0.2	-33.7	-1920	-1249	-4.5	17.7	1177.2
		Viento +Y exc.-	-32.6	-2.6	42.4	-1.3	16.2	0.1	-32.6	-1850	-1210	-1.3	16.2	970.7
		Viento -Y exc.+	33.7	10.2	-46.0	4.5	-17.7	-0.2	33.7	1919.8	1248.6	4.5	-17.7	-1177
		Viento -Y exc.-	32.6	2.6	-42.4	1.3	-16.2	-0.1	32.6	1850.4	1210.3	1.3	-16.2	-970.7
P25 [64.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2320.5	-1.8	0.4	-0.7	0.9	0.0	2320.5	150221	89257	-0.7	0.9	85.7
		Cargas muertas	925.3	-1.1	0.6	-0.4	0.1	0.0	925.3	59903	35594	-0.4	0.1	21.6
		H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	-11.3	-6.9	0.0	-0.1	-3.5
		Sobrecarga de uso	943.6	-0.9	-0.4	-0.3	0.1	0.0	943.6	61087	36296	-0.3	0.1	15.2
		Viento +X exc.+	-0.9	31.6	-2.9	12.3	-1.3	-0.0	-0.9	-26.3	-37.2	12.3	-1.3	-554.5
		Viento +X exc.-	-1.0	31.0	-2.3	12.0	-1.0	-0.0	-1.0	-33.2	-40.5	12.0	-1.0	-531.2
		Viento -X exc.+	0.9	-31.6	2.9	-12.3	1.3	0.0	0.9	26.3	37.2	-12.3	1.3	554.5
		Viento -X exc.-	1.0	-31.0	2.3	-12.0	1.0	0.0	1.0	33.2	40.5	-12.0	1.0	531.2
		Viento +Y exc.+	-12.4	-11.6	58.1	-4.9	22.7	0.2	-12.4	-814.7	-419.0	-4.9	22.7	1660.3
		Viento +Y exc.-	-10.6	-3.3	49.8	-1.4	19.4	0.1	-10.6	-692.4	-359.6	-1.4	19.4	1312.9
		Viento -Y exc.+	12.4	11.6	-58.1	4.9	-22.7	-0.2	12.4	814.7	419.0	4.9	-22.7	-1660
		Viento -Y exc.-	10.6	3.3	-49.8	1.4	-19.4	-0.1	10.6	692.4	359.6	1.4	-19.4	-1313
P26 [72.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2116.4	-9.2	-7.5	-3.8	-2.6	0.0	2116.4	153930	81398	-3.8	-2.6	-44.5
		Cargas muertas	830.8	-4.0	-3.4	-1.7	-1.6	0.0	830.8	60429	31954	-1.7	-1.6	-52.1
		H 1	-0.2	0.0	-0.2	-0.0	-0.1	0.0	-0.2	-11.8	-6.5	-0.0	-0.1	-3.8
		Sobrecarga de uso	851.9	-3.5	-3.2	-1.5	-1.3	0.0	851.9	61965	32767	-1.5	-1.3	-36.0
		Viento +X exc.+	-6.2	28.3	-3.7	11.1	-1.6	-0.0	-6.2	-423.6	-242.6	11.1	-1.6	-547.0
		Viento +X exc.-	-6.6	27.8	-2.9	10.9	-1.3	-0.0	-6.6	-450.1	-255.7	10.9	-1.3	-517.4
		Viento -X exc.+	6.2	-28.3	3.7	-11.1	1.6	0.0	6.2	423.6	242.6	-11.1	1.6	547.0
		Viento -X exc.-	6.6	-27.8	2.9	-10.9	1.3	0.0	6.6	450.1	255.7	-10.9	1.3	517.4
		Viento +Y exc.+	-42.1	-9.8	57.1	-4.3	22.3	0.2	-42.1	-3069	-1561	-4.3	22.3	1785.3
		Viento +Y exc.-	-35.8	-2.6	45.8	-1.2	17.8	0.1	-35.8	-2605	-1330	-1.2	17.8	1342.8
		Viento -Y exc.+	42.1	9.8	-57.1	4.3	-22.3	-0.2	42.1	3069.3	1560.8	4.3	-22.3	-1785
		Viento -Y exc.-	35.8	2.6	-45.8	1.2	-17.8	-0.1	35.8	2604.9	1330.3	1.2	-17.8	-1343
P27 [80.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2338.9	-4.9	5.0	-1.8	2.6	0.0	2338.9	188834	89971	-1.8	2.6	275.6
		Cargas muertas	935.8	0.3	3.8	-0.1	1.2	0.0	935.8	75555	35999	-0.1	1.2	97.7
		H 1	-0.2	0.0	-0.2	0.0	-0.0	0.0	-0.2	-14.9	-7.3	0.0	-0.0	-3.8
		Sobrecarga de uso	956.0	-1.7	1.3	-0.6	0.6	0.0	956.0	77186	36775	-0.6	0.6	74.5
		Viento +X exc.+	3.9	30.2	-4.5	12.0	-2.1	-0.0	3.9	346.6	146.2	12.0	-2.1	-631.7
		Viento +X exc.-	3.7	29.7	-3.5	11.8	-1.7	-0.0	3.7	328.7	138.9	11.8	-1.7	-588.8
		Viento -X exc.+	-3.9	-30.2	4.5	-12.0	2.1	0.0	-3.9	-346.6	-146.2	-12.0	2.1	631.7
		Viento -X exc.-	-3.7	-29.7	3.5	-11.8	1.7	0.0	-3.7	-328.7	-138.9	-11.8	1.7	588.8
		Viento +Y exc.+	-14.3	-10.4	67.0	-4.6	26.9	0.2	-14.3	-1163	-482.2	-4.6	26.9	2346.9
		Viento +Y exc.-	-10.7	-2.7	51.0	-1.3	20.4	0.1	-10.7	-870.2	-362.3	-1.3	20.4	1700.3
		Viento -Y exc.+	14.3	10.4	-67.0	4.6	-26.9	-0.2	14.3	1163.1	482.2	4.6	-26.9	-2347
		Viento -Y exc.-	10.7	2.7	-51.0	1.3	-20.4	-0.1	10.7	870.2	362.3	1.3	-20.4	-1700
P28 [88.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2089.9	-7.7	-8.0	-3.0	-2.9	0.0	2089.9	185447	80380	-3.0	-2.9	-143.0
		Cargas muertas	813.2	-3.9	-3.7	-1.6	-1.8	0.0	813.2	72160	31277	-1.6	-1.8	-100.8
		H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	-14.5	-6.5	0.0	-0.1	-4.9
		Sobrecarga de uso	833.5	-3.2	-3.7	-1.3	-1.5	0.0	833.5	73961	32057	-1.3	-1.5	-85.2
		Viento +X exc.+	-6.6	27.9	-5.5	10.8	-2.5	-0.0	-6.6	-554.2	-257.9	10.8	-2.5	-634.8
		Viento +X exc.-	-7.3	27.5	-4.4	10.7	-2.0	-0.0	-7.3	-619.1	-284.6	10.7	-2.0	-585.7
		Viento -X exc.+	6.6	-27.9	5.5	-10.8	2.5	0.0	6.6	554.2	257.9	-10.8	2.5	634.8
		Viento -X exc.-	7.3	-27.5	4.4	-10.7	2.0	0.0	7.3	619.1	284.6	-10.7	2.0	585.7
		Viento +Y exc.+	-50.0	-9.0	66.4	-3.9	25.4	0.2	-50.0	-4443	-1855	-3.9	25.4	2406.1
		Viento +Y exc.-	-37.4	-2.1	48.2	-0.9	18.4	0.1	-37.4	-3321	-1390	-0.9	18.4	1671.2
		Viento -Y exc.+	50.0	9.0	-66.4	3.9	-25.4	-0.2	50.0	4442.9	1855.5	3.9	-25.4	-2406
		Viento -Y exc.-	37.4	2.1	-48.2	0.9	-18.4	-0.1	37.4	3320.5	1390.3	0.9	-18.4	-1671
P29 [96.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2353.6	-2.9	5.8	-1.0	3.2	0.0	2353.6	227680	90537	-1.0	3.2	344.7
		Cargas muertas	942.7	2.5	3.9	0.7	1.3	0.0	942.7	91199	36265	0.7	1.3	104.2
		H 1	-0.2	0.0	-0.2	0.0	-0.1	0.0	-0.2	-19.1	-7.8	0.0	-0.1	-5.0
		Sobrecarga de uso	963.3	-1.3	1.4	-0.4	0.7	0.0	963.3	93190	37056	-0.4	0.7	85.9
		Viento +X exc.+	0.3	30.9	-6.9	12.1	-3.1	-0.0	0.3	63.4	6.0	12.1	-3.1	-767.8
		Viento +X exc.-	0.0	30.4	-5.4	11.8	-2.5	-0.0	0.0	32.0	-4.8	11.8	-2.5	-699.2
		Viento -X exc.+	-0.3	-30.9	6.9	-12.1	3.1	0.0	-0.3	-63.4	-6.0	-12.1	3.1	767.8
		Viento -X exc.-	-0.0	-30.4	5.4	-11.8	2.5	0.0	-0.0	-32.0	4.8	-11.8	2.5	699.2
		Viento +Y exc.+	-17.2	-9.9	78.9	-4.4	30.8	0.2	-17.2	-1676	-583.4	-4.4	30.8	3154.3
		Viento +Y exc.-	-11.8	-2.3	54.9	-1.2	21.5	0.1	-11.8	-1143	-398.6	-1.2	21.5	2122.7
		Viento -Y exc.+	17.2	9.9	-78.9	4.4	-30.8	-0.2	17.2	1675.8	583.4	4.4	-30.8	-3154
		Viento -Y exc.-	11.8	2.3	-54.9	1.2	-21.5	-0.1	11.8	1143.0	398.6	1.2	-21.5	-2123



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P30 [104.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2254.0	-17.0	0.0	-5.0	0.6	0.0	2254.0	236066	86701	-5.0	0.6	259.5
		Cargas muertas	839.5	-5.7	0.4	-1.3	-0.2	0.0	839.5	87919	32290	-1.3	-0.2	28.5
		H 1	-0.1	0.1	-0.4	0.0	-0.1	0.0	-0.1	-12.8	-5.1	0.0	-0.1	-11.1
		Sobrecarga de uso	833.1	-2.0	-2.3	-0.4	-0.8	0.0	833.1	87250	32041	-0.4	-0.8	-66.8
		Viento +X exc.+	14.0	28.8	-9.6	11.2	-4.1	-0.0	14.0	1496.6	529.4	11.2	-4.1	-853.4
		Viento +X exc.-	12.7	28.3	-7.6	10.9	-3.3	-0.0	12.7	1363.0	482.6	10.9	-3.3	-763.8
		Viento -X exc.+	-14.0	-28.8	9.6	-11.2	4.1	0.0	-14.0	-1497	-529.4	-11.2	4.1	853.4
		Viento -X exc.-	-12.7	-28.3	7.6	-10.9	3.3	0.0	-12.7	-1363	-482.6	-10.9	3.3	763.8
		Viento +Y exc.+	-53.3	-12.5	93.7	-5.3	34.9	0.2	-53.3	-5590	-1955	-5.3	34.9	3862.2
		Viento +Y exc.-	-32.1	-4.5	62.8	-1.9	23.4	0.1	-32.1	-3365	-1171	-1.9	23.4	2528.3
		Viento -Y exc.+	53.3	12.5	-93.7	5.3	-34.9	-0.2	53.3	5590.5	1954.8	5.3	-34.9	-3862
		Viento -Y exc.-	32.1	4.5	-62.8	1.9	-23.4	-0.1	32.1	3364.5	1171.2	1.9	-23.4	-2528
P31 [112.738;38.465;0.0 grados] (50x50)	5.25/10.25	Peso propio	2405.4	15.6	21.7	5.8	8.1	0.0	2405.4	271192	92544	5.8	8.1	688.3
		Cargas muertas	954.6	10.9	11.2	3.7	3.7	0.0	954.6	107635	36731	3.7	3.7	276.4
		H 1	-0.3	-0.1	-0.3	-0.0	-0.1	0.0	-0.3	-29.3	-10.3	-0.0	-0.1	-9.8
		Sobrecarga de uso	939.3	5.2	4.9	2.0	1.9	0.0	939.3	105895	36133	2.0	1.9	134.0
		Viento +X exc.+	-16.0	31.5	-11.0	12.3	-4.7	-0.0	-16.0	-1769	-625.5	12.3	-4.7	-1001
		Viento +X exc.-	-16.6	31.0	-8.5	12.0	-3.7	-0.0	-16.6	-1844	-648.1	12.0	-3.7	-883.4
		Viento -X exc.+	16.0	-31.5	11.0	-12.3	4.7	0.0	16.0	1769.4	625.5	-12.3	4.7	1000.5
		Viento -X exc.-	16.6	-31.0	8.5	-12.0	3.7	0.0	16.6	1843.5	648.1	-12.0	3.7	883.4
		Viento +Y exc.+	-32.5	-10.8	108.3	-4.7	41.1	0.2	-32.5	-3679	-1143	-4.7	41.1	4809.4
		Viento +Y exc.-	-20.8	-2.9	70.3	-1.3	26.7	0.1	-20.8	-2351	-730.8	-1.3	26.7	3060.1
		Viento -Y exc.+	32.5	10.8	-108.3	4.7	-41.1	-0.2	32.5	3678.7	1143.2	4.7	-41.1	-4809
		Viento -Y exc.-	20.8	2.9	-70.3	1.3	-26.7	-0.1	20.8	2350.6	730.8	1.3	-26.7	-3060
P32 [120.738;38.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1648.1	31.4	3.8	12.8	2.6	0.0	1648.1	199018	63397	12.8	2.6	-182.3
		Cargas muertas	1000.9	-13.0	2.4	-2.2	1.0	0.0	1000.9	120831	38501	-2.2	1.0	208.9
		H 1	0.4	1.4	-0.1	0.4	-0.1	0.0	0.4	47.4	14.5	0.4	-0.1	-20.8
		Sobrecarga de uso	606.0	12.8	-0.4	5.2	0.1	0.0	606.0	73183	23310	5.2	0.1	-194.0
		Viento +X exc.+	44.2	24.7	-13.8	9.7	-5.9	-0.1	44.2	5360.6	1686.1	9.7	-5.9	-1089
		Viento +X exc.-	43.3	24.3	-10.8	9.5	-4.7	-0.0	43.3	5252.3	1654.7	9.5	-4.7	-938.5
		Viento -X exc.+	-44.2	-24.7	13.8	-9.7	5.9	0.1	-44.2	-5361	-1686	-9.7	5.9	1089.5
		Viento -X exc.-	-43.3	-24.3	10.8	-9.5	4.7	0.0	-43.3	-5252	-1655	-9.5	4.7	938.5
		Viento +Y exc.+	-33.0	-9.9	126.4	-4.5	47.8	0.3	-33.0	-3994	-1143	-4.5	47.8	5949.6
		Viento +Y exc.-	-17.9	-3.2	79.4	-1.5	30.2	0.1	-17.9	-2161	-608.0	-1.5	30.2	3698.8
		Viento -Y exc.+	33.0	9.9	-126.4	4.5	-47.8	-0.3	33.0	3993.8	1142.8	4.5	-47.8	-5950
		Viento -Y exc.-	17.9	3.2	-79.4	1.5	-30.2	-0.1	17.9	2160.9	608.0	1.5	-30.2	-3699
P33 [0.738;31.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1678.2	-32.3	-4.7	-13.9	-2.3	0.0	1678.2	1205.9	53639	-13.9	-2.3	443.3
		Cargas muertas	1041.7	20.2	-3.1	3.4	-1.2	0.0	1041.7	788.8	33295	3.4	-1.2	-109.6
		H 1	0.0	-2.3	0.0	-0.6	0.0	0.0	0.0	-2.3	0.8	-0.6	0.0	19.4
		Sobrecarga de uso	634.3	-14.2	-1.3	-6.0	-0.6	0.0	634.3	453.8	20274	-6.0	-0.6	191.7
		Viento +X exc.+	-43.3	25.0	8.1	9.8	3.4	-0.1	-43.3	-7.0	-1376	9.8	3.4	-310.4
		Viento +X exc.-	-44.4	24.7	6.2	9.7	2.7	-0.0	-44.4	-8.0	-1413	9.7	2.7	-306.9
		Viento -X exc.+	43.3	-25.0	-8.1	-9.8	-3.4	0.1	43.3	7.0	1376.4	-9.8	-3.4	310.4
		Viento -X exc.-	44.4	-24.7	-6.2	-9.7	-2.7	0.0	44.4	8.0	1413.0	-9.7	-2.7	306.9
		Viento +Y exc.+	16.2	-5.4	7.0	-2.8	1.9	0.3	16.2	6.5	526.3	-2.8	1.9	89.6
		Viento +Y exc.-	34.9	-1.4	37.8	-0.7	13.2	0.1	34.9	24.4	1154.5	-0.7	13.2	32.6
		Viento -Y exc.+	-16.2	5.4	-7.0	2.8	-1.9	-0.3	-16.2	-6.5	-526.3	2.8	-1.9	-89.6
		Viento -Y exc.-	-34.9	1.4	-37.8	0.7	-13.2	-0.1	-34.9	-24.4	-1154	0.7	-13.2	-32.6
P34 [8.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2322.6	4.3	0.8	2.1	-0.2	0.0	2322.6	20298	74241	2.1	-0.2	-70.0
		Cargas muertas	883.2	-2.5	-0.6	-0.1	-0.1	0.0	883.2	7714.4	28229	-0.1	-0.1	1.3
		H 1	-0.2	0.3	0.0	0.1	0.0	0.0	-0.2	-1.6	-6.9	0.1	0.0	-2.3
		Sobrecarga de uso	928.6	1.8	0.9	0.8	0.3	0.0	928.6	8115.8	29684	0.8	0.3	-22.2
		Viento +X exc.+	7.6	32.0	5.4	12.3	2.3	-0.0	7.6	98.5	248.5	12.3	2.3	-372.3
		Viento +X exc.-	6.5	31.7	4.1	12.1	1.8	-0.0	6.5	88.9	213.3	12.1	1.8	-372.4
		Viento -X exc.+	-7.6	-32.0	-5.4	-12.3	-2.3	0.0	-7.6	-98.5	-248.5	-12.3	-2.3	372.3
		Viento -X exc.-	-6.5	-31.7	-4.1	-12.1	-1.8	0.0	-6.5	-88.9	-213.3	-12.1	-1.8	372.4
		Viento +Y exc.+	18.9	-6.6	11.2	-3.0	3.9	0.2	18.9	158.5	615.1	-3.0	3.9	130.4
		Viento +Y exc.-	36.8	-1.9	31.9	-0.9	11.8	0.1	36.8	319.7	1208.5	-0.9	11.8	131.3
		Viento -Y exc.+	-18.9	6.6	-11.2	3.0	-3.9	-0.2	-18.9	-158.5	-615.1	3.0	-3.9	-130.4
		Viento -Y exc.-	-36.8	1.9	-31.9	0.9	-11.8	-0.1	-36.8	-319.7	-1209	0.9	-11.8	-131.3
P35 [16.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2273.3	-3.3	1.2	-1.2	-0.3	0.0	2273.3	38046	72666	-1.2	-0.3	32.1
		Cargas muertas	892.0	-2.1	0.8	-0.8	0.1	0.0	892.0	14929	28515	-0.8	0.1	26.1
		H 1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.5	1.0	-0.0	0.0	0.2
		Sobrecarga de uso	920.0	-1.3	0.6	-0.5	0.1	0.0	920.0	15398	29409	-0.5	0.1	15.9
		Viento +X exc.+	-0.4	30.3	4.0	11.7	1.8	-0.0	-0.4	24.1	-7.7	11.7	1.8	-343.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	-1.1	30.0	3.0	11.6	1.4	-0.0	-1.1	11.2	-32.8	11.6	1.4	-346.6
		Viento -X exc.+	0.4	-30.3	-4.0	-11.7	-1.8	0.0	0.4	-24.1	7.7	-11.7	-1.8	343.8
		Viento -X exc.-	1.1	-30.0	-3.0	-11.6	-1.4	0.0	1.1	-11.2	32.8	-11.6	-1.4	346.6
		Viento +Y exc.+	21.4	-6.4	17.8	-2.9	6.6	0.2	21.4	351.1	700.6	-2.9	6.6	203.3
		Viento +Y exc.-	34.1	-1.9	34.8	-0.9	13.0	0.1	34.1	568.9	1124.8	-0.9	13.0	245.3
		Viento -Y exc.+	-21.4	6.4	-17.8	2.9	-6.6	-0.2	-21.4	-351.1	-700.6	2.9	-6.6	-203.3
		Viento -Y exc.-	-34.1	1.9	-34.8	0.9	-13.0	-0.1	-34.1	-568.9	-1125	0.9	-13.0	-245.3
P37 [48.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2455.8	-23.2	0.1	-10.1	-0.1	0.0	2455.8	119666	78499	-10.1	-0.1	318.9
		Cargas muertas	935.4	-13.0	-0.4	-5.1	-0.1	0.0	935.4	45577	29900	-5.1	-0.1	156.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.1	0.0	-0.0	-0.7
		Sobrecarga de uso	941.3	-5.5	-0.1	-2.6	-0.1	0.0	941.3	45873	30089	-2.6	-0.1	79.4
		Viento +X exc.+	17.5	28.5	-0.3	11.1	-0.1	-0.0	17.5	881.1	558.9	11.1	-0.1	-361.8
		Viento +X exc.-	17.4	28.2	-0.3	11.0	-0.1	-0.0	17.4	878.7	557.5	11.0	-0.1	-357.8
		Viento -X exc.+	-17.5	-28.5	0.3	-11.1	0.1	0.0	-17.5	-881.1	-558.9	-11.1	0.1	361.8
		Viento -X exc.-	-17.4	-28.2	0.3	-11.0	0.1	0.0	-17.4	-878.7	-557.5	-11.0	0.1	357.8
		Viento +Y exc.+	20.4	-7.4	43.8	-3.4	17.0	0.2	20.4	987.1	696.1	-3.4	17.0	938.6
		Viento +Y exc.-	20.9	-3.4	44.2	-1.5	17.1	0.1	20.9	1013.3	711.0	-1.5	17.1	880.7
		Viento -Y exc.+	-20.4	7.4	-43.8	3.4	-17.0	-0.2	-20.4	-987.1	-696.1	3.4	-17.0	-938.6
		Viento -Y exc.-	-20.9	3.4	-44.2	1.5	-17.1	-0.1	-20.9	-1013	-711.0	1.5	-17.1	-880.7
P38 [56.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2240.9	-0.9	6.1	1.0	1.7	0.0	2240.9	127143	71636	1.0	1.7	66.5
		Cargas muertas	847.0	-1.9	1.2	-0.0	0.5	0.0	847.0	48055	27075	-0.0	0.5	26.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.0	0.0	-0.0	-0.8
		Sobrecarga de uso	888.4	-1.1	2.1	0.0	0.6	0.0	888.4	50405	28400	0.0	0.6	35.1
		Viento +X exc.+	-7.5	31.5	-1.5	12.1	-0.7	-0.0	-7.5	-394.6	-241.6	12.1	-0.7	-426.6
		Viento +X exc.-	-7.5	31.2	-1.3	12.0	-0.6	-0.0	-7.5	-393.3	-240.4	12.0	-0.6	-416.0
		Viento -X exc.+	7.5	-31.5	1.5	-12.1	0.7	0.0	7.5	394.6	241.6	-12.1	0.7	426.6
		Viento -X exc.-	7.5	-31.2	1.3	-12.0	0.6	0.0	7.5	393.3	240.4	-12.0	0.6	416.0
		Viento +Y exc.+	29.7	-6.2	50.2	-2.8	19.4	0.2	29.7	1678.1	999.1	-2.8	19.4	1194.0
		Viento +Y exc.-	28.8	-1.5	46.3	-0.7	17.9	0.1	28.8	1633.0	967.2	-0.7	17.9	1037.3
		Viento -Y exc.+	-29.7	6.2	-50.2	2.8	-19.4	-0.2	-29.7	-1678	-999.1	2.8	-19.4	-1194
		Viento -Y exc.-	-28.8	1.5	-46.3	0.7	-17.9	-0.1	-28.8	-1633	-967.2	0.7	-17.9	-1037
P39 [64.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2264.3	6.4	4.8	1.7	1.2	0.0	2264.3	146593	72383	1.7	1.2	20.3
		Cargas muertas	892.4	2.7	1.3	0.7	0.4	0.0	892.4	57777	28528	0.7	0.4	6.1
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.5	0.2	0.0	-0.0	-1.0
		Sobrecarga de uso	924.8	1.9	1.4	0.5	0.3	0.0	924.8	59873	29563	0.5	0.3	6.6
		Viento +X exc.+	-0.9	31.8	-2.8	12.3	-1.2	-0.0	-0.9	-27.6	-32.1	12.3	-1.2	-472.1
		Viento +X exc.-	-0.8	31.5	-2.3	12.1	-1.0	-0.0	-0.8	-18.5	-26.9	12.1	-1.0	-453.2
		Viento -X exc.+	0.9	-31.8	2.8	-12.3	1.2	0.0	0.9	27.6	32.1	-12.3	1.2	472.1
		Viento -X exc.-	0.8	-31.5	2.3	-12.1	1.0	0.0	0.8	18.5	26.9	-12.1	1.0	453.2
		Viento +Y exc.+	24.1	-6.5	58.1	-2.9	22.7	0.2	24.1	1552.8	827.9	-2.9	22.7	1562.2
		Viento +Y exc.-	21.6	-1.8	49.7	-0.8	19.4	0.1	21.6	1393.9	738.8	-0.8	19.4	1280.1
		Viento -Y exc.+	-24.1	6.5	-58.1	2.9	-22.7	-0.2	-24.1	-1553	-827.9	2.9	-22.7	-1562
		Viento -Y exc.-	-21.6	1.8	-49.7	0.8	-19.4	-0.1	-21.6	-1394	-738.8	0.8	-19.4	-1280
P40 [72.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2294.1	-3.6	2.2	-1.3	0.5	0.0	2294.1	166862	73332	-1.3	0.5	80.2
		Cargas muertas	897.6	-1.4	-0.7	-0.5	-0.2	0.0	897.6	65289	28691	-0.5	-0.2	3.5
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-1.3
		Sobrecarga de uso	930.7	-1.6	0.4	-0.6	0.0	0.0	930.7	67697	29751	-0.6	0.0	20.1
		Viento +X exc.+	0.5	31.6	-4.1	12.3	-1.8	-0.0	0.5	70.6	13.1	12.3	-1.8	-521.9
		Viento +X exc.-	0.8	31.3	-3.3	12.1	-1.5	-0.0	0.8	91.5	23.2	12.1	-1.5	-493.5
		Viento -X exc.+	-0.5	-31.6	4.1	-12.3	1.8	0.0	-0.5	-70.6	-13.1	-12.3	1.8	521.9
		Viento -X exc.-	-0.8	-31.3	3.3	-12.1	1.5	0.0	-0.8	-91.5	-23.2	-12.1	1.5	493.5
		Viento +Y exc.+	27.1	-5.5	63.5	-2.6	24.9	0.2	27.1	1966.5	930.1	-2.6	24.9	1895.4
		Viento +Y exc.-	22.2	-1.0	51.0	-0.5	20.0	0.1	22.2	1612.1	759.9	-0.5	20.0	1471.0
		Viento -Y exc.+	-27.1	5.5	-63.5	2.6	-24.9	-0.2	-27.1	-1966	-930.1	2.6	-24.9	-1895
		Viento -Y exc.-	-22.2	1.0	-51.0	0.5	-20.0	-0.1	-22.2	-1612	-759.9	0.5	-20.0	-1471
P41 [80.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2230.4	-7.4	16.8	-2.3	4.8	0.0	2230.4	180073	71312	-2.3	4.8	461.3
		Cargas muertas	880.0	-2.2	4.6	-0.8	1.4	0.0	880.0	71046	28133	-0.8	1.4	136.3
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.9	0.3	0.0	-0.0	-1.3
		Sobrecarga de uso	916.3	-2.6	5.1	-0.9	1.4	0.0	916.3	73979	29295	-0.9	1.4	141.2
		Viento +X exc.+	0.6	29.4	-5.7	11.6	-2.4	-0.0	0.6	76.8	13.1	11.6	-2.4	-567.5
		Viento +X exc.-	0.9	29.1	-4.5	11.5	-1.9	-0.0	0.9	104.0	25.2	11.5	-1.9	-524.9
		Viento -X exc.+	-0.6	-29.4	5.7	-11.6	2.4	0.0	-0.6	-76.8	-13.1	-11.6	2.4	567.5
		Viento -X exc.-	-0.9	-29.1	4.5	-11.5	1.9	0.0	-0.9	-104.0	-25.2	-11.5	1.9	524.9
		Viento +Y exc.+	27.5	-6.1	77.5	-2.7	29.6	0.2	27.5	2216.6	957.5	-2.7	29.6	2480.6
		Viento +Y exc.-	21.9	-1.7	59.1	-0.7	22.6	0.1	21.9	1765.5	758.8	-0.7	22.6	1846.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.+	-27.5	6.1	-77.5	2.7	-29.6	-0.2	-27.5	-2217	-957.5	2.7	-29.6	-2481
		Viento -Y exc.-	-21.9	1.7	-59.1	0.7	-22.6	-0.1	-21.9	-1766	-758.8	0.7	-22.6	-1846
P42 [88.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2237.8	0.7	10.5	0.2	3.4	0.0	2237.8	198579	71542	0.2	3.4	291.2
		Cargas muertas	858.9	-0.0	0.6	0.0	0.6	0.0	858.9	76219	27456	0.0	0.6	48.4
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.4	0.1	0.0	-0.0	-1.5
		Sobrecarga de uso	895.4	-0.4	3.2	-0.1	1.1	0.0	895.4	79452	28623	-0.1	1.1	98.1
		Viento +X exc.+	-2.0	30.1	-7.7	11.7	-3.2	-0.0	-2.0	-148.3	-71.9	11.7	-3.2	-653.1
		Viento +X exc.-	-1.4	29.8	-6.1	11.5	-2.6	-0.0	-1.4	-92.1	-50.0	11.5	-2.6	-595.9
		Viento -X exc.+	2.0	-30.1	7.7	-11.7	3.2	0.0	2.0	148.3	71.9	-11.7	3.2	653.1
		Viento -X exc.-	1.4	-29.8	6.1	-11.5	2.6	0.0	1.4	92.1	50.0	-11.5	2.6	595.9
		Viento +Y exc.+	40.0	-5.9	87.7	-2.8	32.3	0.2	40.0	3542.1	1365.7	-2.8	32.3	2954.8
		Viento +Y exc.-	29.2	-1.5	63.8	-0.8	23.5	0.1	29.2	2590.9	997.6	-0.8	23.5	2105.2
		Viento -Y exc.+	-40.0	5.9	-87.7	2.8	-32.3	-0.2	-40.0	-3542	-1366	2.8	-32.3	-2955
Viento -Y exc.-	-29.2	1.5	-63.8	0.8	-23.5	-0.1	-29.2	-2591	-997.6	0.8	-23.5	-2105		
P43 [96.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2263.4	-2.4	18.1	-0.8	5.4	0.0	2263.4	218952	72367	-0.8	5.4	548.1
		Cargas muertas	886.3	0.4	6.0	0.1	1.9	0.0	886.3	85744	28338	0.1	1.9	183.7
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	1.1	0.3	0.0	-0.0	-1.9
		Sobrecarga de uso	926.1	-1.3	5.6	-0.4	1.6	0.0	926.1	89585	29607	-0.4	1.6	170.2
		Viento +X exc.+	-1.3	28.5	-8.2	11.2	-3.5	-0.0	-1.3	-98.4	-50.1	11.2	-3.5	-696.6
		Viento +X exc.-	-0.8	28.2	-6.4	11.1	-2.8	-0.0	-0.8	-52.9	-33.2	11.1	-2.8	-625.7
		Viento -X exc.+	1.3	-28.5	8.2	-11.2	3.5	0.0	1.3	98.4	50.1	-11.2	3.5	696.6
		Viento -X exc.-	0.8	-28.2	6.4	-11.1	2.8	0.0	0.8	52.9	33.2	-11.1	2.8	625.7
		Viento +Y exc.+	26.9	-6.1	89.4	-2.8	33.8	0.2	26.9	2597.7	949.8	-2.8	33.8	3355.3
		Viento +Y exc.-	19.0	-1.8	62.3	-0.8	23.5	0.1	19.0	1839.5	670.7	-0.8	23.5	2300.9
		Viento -Y exc.+	-26.9	6.1	-89.4	2.8	-33.8	-0.2	-26.9	-2598	-949.8	2.8	-33.8	-3355
Viento -Y exc.-	-19.0	1.8	-62.3	0.8	-23.5	-0.1	-19.0	-1839	-670.7	0.8	-23.5	-2301		
P36 [24.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2194.9	1.8	9.0	1.3	1.9	0.0	2194.9	54299	70168	1.3	1.9	3.8
		Cargas muertas	869.3	5.8	-2.6	2.2	-0.9	0.0	869.3	21511	27786	2.2	-0.9	-91.9
		H 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.0
		Sobrecarga de uso	866.9	-0.0	3.4	0.4	0.8	0.0	866.9	21446	27715	0.4	0.8	9.2
		Viento +X exc.+	-2.8	34.9	3.3	13.3	1.3	-0.0	-2.8	-33.1	-84.7	13.3	1.3	-391.9
		Viento +X exc.-	-3.2	34.6	2.3	13.1	0.9	-0.0	-3.2	-45.3	-101.0	13.1	0.9	-396.5
		Viento -X exc.+	2.8	-34.9	-3.3	-13.3	-1.3	0.0	2.8	33.1	84.7	-13.3	-1.3	391.9
		Viento -X exc.-	3.2	-34.6	-2.3	-13.1	-0.9	0.0	3.2	45.3	101.0	-13.1	-0.9	396.5
		Viento +Y exc.+	12.1	-6.4	31.9	-2.8	11.4	0.2	12.1	292.4	417.9	-2.8	11.4	373.1
		Viento +Y exc.-	20.1	-1.0	47.8	-0.5	17.2	0.1	20.1	497.1	691.4	-0.5	17.2	440.8
		Viento -Y exc.+	-12.1	6.4	-31.9	2.8	-11.4	-0.2	-12.1	-292.4	-417.9	2.8	-11.4	-373.1
Viento -Y exc.-	-20.1	1.0	-47.8	0.5	-17.2	-0.1	-20.1	-497.1	-691.4	0.5	-17.2	-440.8		
P44 [104.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2399.2	-11.0	-13.5	-3.3	-4.0	0.0	2399.2	251277	76677	-3.3	-4.0	-312.6
		Cargas muertas	905.7	-5.3	-6.5	-1.4	-1.6	0.0	905.7	94857	28944	-1.4	-1.6	-127.7
		H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	2.8	0.8	0.0	-0.0	-2.2
		Sobrecarga de uso	919.7	-1.8	-2.9	-0.4	-0.8	0.0	919.7	96323	29394	-0.4	-0.8	-71.5
		Viento +X exc.+	-2.5	30.2	-9.6	11.6	-4.0	-0.0	-2.5	-236.2	-90.9	11.6	-4.0	-794.8
		Viento +X exc.-	-1.6	29.9	-7.4	11.5	-3.2	-0.0	-1.6	-134.7	-57.7	11.5	-3.2	-704.6
		Viento -X exc.+	2.5	-30.2	9.6	-11.6	4.0	0.0	2.5	236.2	90.9	-11.6	4.0	794.8
		Viento -X exc.-	1.6	-29.9	7.4	-11.5	3.2	0.0	1.6	134.7	57.7	-11.5	3.2	704.6
		Viento +Y exc.+	36.6	-6.5	99.9	-3.0	37.1	0.2	36.6	3830.1	1270.8	-3.0	37.1	3980.6
		Viento +Y exc.-	20.7	-1.9	67.1	-0.9	24.9	0.1	20.7	2161.4	727.3	-0.9	24.9	2639.1
		Viento -Y exc.+	-36.6	6.5	-99.9	3.0	-37.1	-0.2	-36.6	-3830	-1271	3.0	-37.1	-3981
Viento -Y exc.-	-20.7	1.9	-67.1	0.9	-24.9	-0.1	-20.7	-2161	-727.3	0.9	-24.9	-2639		
P45 [112.738;31.965;0.0 grados] (50x50)	5.25/10.25	Peso propio	2394.4	8.3	-8.6	3.0	-2.5	0.0	2394.4	269948	76528	3.0	-2.5	-382.3
		Cargas muertas	920.5	6.3	-6.6	1.9	-1.9	0.0	920.5	103778	29416	1.9	-1.9	-273.9
		H 1	-0.2	-0.1	-0.1	-0.0	-0.0	0.0	-0.2	-27.0	-7.7	-0.0	-0.0	-2.6
		Sobrecarga de uso	947.2	1.8	-2.6	0.7	-0.9	0.0	947.2	106790	30275	0.7	-0.9	-126.0
		Viento +X exc.+	-9.2	31.6	-11.3	12.3	-4.8	-0.0	-9.2	-1003	-304.7	12.3	-4.8	-933.2
		Viento +X exc.-	-8.4	31.3	-8.8	12.2	-3.8	-0.0	-8.4	-913.7	-276.8	12.2	-3.8	-821.3
		Viento -X exc.+	9.2	-31.6	11.3	-12.3	4.8	0.0	9.2	1003.1	304.7	-12.3	4.8	933.2
		Viento -X exc.-	8.4	-31.3	8.8	-12.2	3.8	0.0	8.4	913.7	276.8	-12.2	3.8	821.3
		Viento +Y exc.+	35.5	-6.1	106.9	-2.9	40.6	0.2	35.5	4001.2	1243.1	-2.9	40.6	4671.5
		Viento +Y exc.-	21.4	-1.6	69.3	-0.8	26.4	0.1	21.4	2411.7	753.6	-0.8	26.4	3000.5
		Viento -Y exc.+	-35.5	6.1	-106.9	2.9	-40.6	-0.2	-35.5	-4001	-1243	2.9	-40.6	-4672
Viento -Y exc.-	-21.4	1.6	-69.3	0.8	-26.4	-0.1	-21.4	-2412	-753.6	0.8	-26.4	-3001		
P46 [120.738;31.965;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1648.0	35.0	1.3	14.8	1.8	0.0	1648.0	199008	52678	14.8	1.8	-252.9
		Cargas muertas	1003.1	-11.5	-0.9	-1.1	0.3	0.0	1003.1	121099	32063	-1.1	0.3	75.8
		H 1	0.0	1.2	-0.1	0.3	-0.0	0.0	0.0	6.5	1.3	0.3	-0.0	-13.8





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	614.4	14.8	-0.1	6.1	0.2	0.0	614.4	74199	19640	6.1	0.2	-167.4
		Viento +X exc.+	43.1	23.7	-13.6	9.3	-5.9	-0.1	43.1	5225.0	1363.4	9.3	-5.9	-1005
		Viento +X exc.-	43.7	23.5	-10.7	9.2	-4.7	-0.0	43.7	5299.4	1386.1	9.2	-4.7	-862.8
		Viento -X exc.+	-43.1	-23.7	13.6	-9.3	5.9	0.1	-43.1	-5225	-1363	-9.3	5.9	1005.2
		Viento -X exc.-	-43.7	-23.5	10.7	-9.2	4.7	0.0	-43.7	-5299	-1386	-9.2	4.7	862.8
		Viento +Y exc.+	26.1	-5.2	121.8	-2.7	46.1	0.3	26.1	3146.7	956.3	-2.7	46.1	5655.9
		Viento +Y exc.-	15.2	-1.4	76.5	-0.8	29.1	0.1	15.2	1834.6	562.6	-0.8	29.1	3537.3
		Viento -Y exc.+	-26.1	5.2	-121.8	2.7	-46.1	-0.3	-26.1	-3147	-956.3	2.7	-46.1	-5656
		Viento -Y exc.-	-15.2	1.4	-76.5	0.8	-29.1	-0.1	-15.2	-1835	-562.6	0.8	-29.1	-3537
P49 [0.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1278.4	-56.7	34.0	-21.3	12.1	0.0	1278.4	886.6	32588	-21.3	12.1	550.9
		Cargas muertas	1059.1	8.1	30.8	0.9	9.2	0.0	1059.1	789.5	27001	0.9	9.2	-15.1
		H 1	0.2	-2.3	0.0	-0.6	0.0	0.0	0.2	-2.1	4.0	-0.6	0.0	15.4
		Sobrecarga de uso	439.8	-22.0	9.1	-7.8	2.7	0.0	439.8	302.5	11209	-7.8	2.7	200.7
		Viento +X exc.+	-48.7	22.4	7.9	9.1	3.3	-0.1	-48.7	-13.6	-1233	9.1	3.3	-228.7
		Viento +X exc.-	-45.7	22.5	6.0	9.1	2.6	-0.0	-45.7	-11.2	-1158	9.1	2.6	-228.9
		Viento -X exc.+	48.7	-22.4	-7.9	-9.1	-3.3	0.1	48.7	13.6	1233.1	-9.1	-3.3	228.7
		Viento -X exc.-	45.7	-22.5	-6.0	-9.1	-2.6	0.0	45.7	11.2	1157.9	-9.1	-2.6	228.9
		Viento +Y exc.+	-65.6	-1.2	7.0	-1.0	1.9	0.3	-65.6	-49.6	-1664	-1.0	1.9	27.2
		Viento +Y exc.-	-117.0	-2.2	36.4	-0.7	12.7	0.1	-117.0	-88.5	-2944	-0.7	12.7	27.0
P50 [8.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Viento -Y exc.+	65.6	1.2	-7.0	1.0	-1.9	-0.3	65.6	49.6	1663.5	1.0	-1.9	-27.2
		Viento -Y exc.-	117.0	2.2	-36.4	0.7	-12.7	-0.1	117.0	88.5	2944.0	0.7	-12.7	-27.0
		Peso propio	1814.4	2.3	-55.5	2.0	-9.0	0.0	1814.4	15856	46148	2.0	-9.0	-130.6
		Cargas muertas	1140.3	0.7	-22.2	0.6	-4.0	0.0	1140.3	9964.5	29016	0.6	-4.0	-49.0
		H 1	-0.0	0.4	0.0	0.1	0.0	0.0	-0.0	0.2	-0.5	0.1	0.0	-2.5
		Sobrecarga de uso	644.0	0.9	-22.5	0.8	-5.7	0.0	644.0	5627.8	16376	0.8	-5.7	-68.9
		Viento +X exc.+	1.3	11.5	2.9	7.6	1.8	-0.1	1.3	23.2	37.1	7.6	1.8	-177.4
		Viento +X exc.-	4.6	11.5	1.9	7.6	1.4	-0.0	4.6	52.0	120.1	7.6	1.4	-180.6
		Viento -X exc.+	-1.3	-11.5	-2.9	-7.6	-1.8	0.1	-1.3	-23.2	-37.1	-7.6	-1.8	177.4
P51 [16.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Viento -X exc.-	-4.6	-11.5	-1.9	-7.6	-1.4	0.0	-4.6	-52.0	-120.1	-7.6	-1.4	180.6
		Viento +Y exc.+	-76.4	0.6	8.9	-0.4	3.2	0.3	-76.4	-666.6	-1936	-0.4	3.2	38.3
		Viento +Y exc.-	-132.9	0.6	25.6	0.2	10.1	0.1	-132.9	-1160	-3358	0.2	10.1	83.6
		Viento -Y exc.+	76.4	-0.6	-8.9	0.4	-3.2	-0.3	76.4	666.6	1935.7	0.4	-3.2	-38.3
		Viento -Y exc.-	132.9	-0.6	-25.6	-0.2	-10.1	-0.1	132.9	1160.5	3358.1	-0.2	-10.1	-83.6
		Peso propio	1775.3	0.0	-32.9	0.3	-2.5	0.0	1775.3	29714	45174	0.3	-2.5	-49.6
		Cargas muertas	1149.8	-0.9	-11.6	-0.4	-0.2	0.0	1149.8	19244	29268	-0.4	-0.2	7.8
		H 1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.2	0.3	0.0	-0.0	-0.3
		Sobrecarga de uso	619.3	-0.2	-13.4	-0.1	-3.2	0.0	619.3	10365	15757	-0.1	-3.2	-51.3
P52 [24.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Viento +X exc.+	-5.5	8.7	2.9	6.5	1.5	-0.1	-5.5	-83.4	-137.3	6.5	1.5	-140.3
		Viento +X exc.-	-2.6	8.7	2.2	6.5	1.2	-0.0	-2.6	-34.3	-63.3	6.5	1.2	-144.9
		Viento -X exc.+	5.5	-8.7	-2.9	-6.5	-1.5	0.1	5.5	83.4	137.3	-6.5	-1.5	140.3
		Viento -X exc.-	2.6	-8.7	-2.2	-6.5	-1.2	0.0	2.6	34.3	63.3	-6.5	-1.2	144.9
		Viento +Y exc.+	-91.3	0.7	11.4	-0.4	4.3	0.3	-91.3	-1528	-2315	-0.4	4.3	83.6
		Viento +Y exc.-	-141.2	0.5	23.1	0.1	9.1	0.1	-141.2	-2363	-3572	0.1	9.1	151.2
		Viento -Y exc.+	91.3	-0.7	-11.4	0.4	-4.3	-0.3	91.3	1528.1	2314.5	0.4	-4.3	-83.6
		Viento -Y exc.-	141.2	-0.5	-23.1	-0.1	-9.1	-0.1	141.2	2362.7	3572.2	-0.1	-9.1	-151.2
		Peso propio	2130.1	7.8	-45.5	6.2	-5.8	0.0	2130.1	52702	54197	6.2	-5.8	-303.5
P53 [32.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Cargas muertas	1483.5	7.5	-16.5	5.9	-1.5	0.0	1483.5	36707	37762	5.9	-1.5	-188.8
		H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	1.5	1.4	0.0	-0.0	-0.6
		Sobrecarga de uso	793.0	3.2	-19.0	2.5	-4.7	0.0	793.0	19620	20174	2.5	-4.7	-180.0
		Viento +X exc.+	-15.5	10.3	2.4	6.7	1.2	-0.1	-15.5	-372.2	-391.4	6.7	1.2	-140.4
		Viento +X exc.-	-13.0	10.3	1.8	6.6	1.0	-0.0	-13.0	-311.2	-329.2	6.6	1.0	-145.8
		Viento -X exc.+	15.5	-10.3	-2.4	-6.7	-1.2	0.1	15.5	372.2	391.4	-6.7	-1.2	140.4
		Viento -X exc.-	13.0	-10.3	-1.8	-6.6	-1.0	0.0	13.0	311.2	329.2	-6.6	-1.0	145.8
		Viento +Y exc.+	-121.9	0.1	17.1	-0.8	6.6	0.3	-121.9	-3014	-3086	-0.8	6.6	184.5
		Viento +Y exc.-	-163.7	-0.0	26.4	-0.3	10.3	0.1	-163.7	-4049	-4141	-0.3	10.3	263.7
		Viento -Y exc.+	121.9	-0.1	-17.1	0.8	-6.6	-0.3	121.9	3014.4	3086.0	0.8	-6.6	-184.5
P53 [32.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Viento -Y exc.-	163.7	0.0	-26.4	0.3	-10.3	-0.1	163.7	4048.6	4141.1	0.3	-10.3	-263.7
		Peso propio	868.0	-6.4	-42.7	-4.6	-1.6	0.0	868.0	28410	22061	-4.6	-1.6	64.8
		Cargas muertas	688.3	-4.9	-9.4	-4.3	4.9	0.0	688.3	22528	17518	-4.3	4.9	270.4
		H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	0.6	0.4	0.0	-0.0	-0.6
		Sobrecarga de uso	294.0	-3.6	-15.8	-2.7	-2.5	0.0	294.0	9619.8	7469.7	-2.7	-2.5	-14.4
		Viento +X exc.+	27.5	9.3	1.8	5.8	0.8	-0.1	27.5	910.4	702.8	5.8	0.8	-121.5
		Viento +X exc.-	28.6	9.3	1.5	5.8	0.7	-0.0	28.6	945.0	729.3	5.8	0.7	-125.3
		Viento -X exc.+	-27.5	-9.3	-1.8	-5.8	-0.8	0.1	-27.5	-910.4	-702.8	-5.8	-0.8	121.5
		Viento -X exc.-	-28.6	-9.3	-1.5	-5.8	-0.7	0.0	-28.6	-945.0	-729.3	-5.8	-0.7	125.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-32.8	0.3	20.5	-0.6	7.9	0.3	-32.8	-1073	-814.4	-0.6	7.9	273.2
		Viento +Y exc.-	-50.8	0.5	26.5	0.2	10.2	0.1	-50.8	-1662	-1266	0.2	10.2	328.5
		Viento -Y exc.+	32.8	-0.3	-20.5	0.6	-7.9	-0.3	32.8	1073.1	814.4	0.6	-7.9	-273.2
		Viento -Y exc.-	50.8	-0.5	-26.5	-0.2	-10.2	-0.1	50.8	1661.7	1266.4	-0.2	-10.2	-328.5
P54 [40.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	869.2	8.6	-37.2	6.7	0.2	0.0	869.2	35418	22097	6.7	0.2	-163.3
		Cargas muertas	696.7	6.1	-6.1	5.3	5.8	0.0	696.7	28390	17736	5.3	5.8	102.2
		H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	0.7	0.4	0.0	-0.0	-0.7
		Sobrecarga de uso	294.4	4.1	-12.7	3.2	-1.6	0.0	294.4	11998	7484.5	3.2	-1.6	-147.5
		Viento +X exc.+	-28.9	9.6	-0.3	6.0	-0.1	-0.1	-28.9	-1170	-737.4	6.0	-0.1	-156.1
		Viento +X exc.-	-28.9	9.6	-0.4	5.9	-0.2	-0.0	-28.9	-1170	-737.6	5.9	-0.2	-157.7
		Viento -X exc.+	28.9	-9.6	0.3	-6.0	0.1	0.1	28.9	1169.7	737.4	-6.0	0.1	156.1
		Viento -X exc.-	28.9	-9.6	0.4	-5.9	0.2	0.0	28.9	1169.7	737.6	-5.9	0.2	157.7
		Viento +Y exc.+	-52.9	-0.1	24.1	-0.9	9.6	0.3	-52.9	-2156	-1324	-0.9	9.6	414.3
		Viento +Y exc.-	-52.5	0.1	26.9	-0.2	10.6	0.1	-52.5	-2140	-1311	-0.2	10.6	437.1
		Viento -Y exc.+	52.9	0.1	-24.1	0.9	-9.6	-0.3	52.9	2156.2	1323.7	0.9	-9.6	-414.3
		Viento -Y exc.-	52.5	-0.1	-26.9	0.2	-10.6	-0.1	52.5	2140.4	1311.1	0.2	-10.6	-437.1
P55 [48.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	2280.7	-12.4	-35.4	-9.4	-1.7	0.0	2280.7	111144	58042	-9.4	-1.7	155.9
		Cargas muertas	1497.4	-9.1	-11.4	-7.1	0.2	0.0	1497.4	72969	38119	-7.1	0.2	190.5
		H 1	0.0	0.1	-0.0	0.0	-0.0	0.0	0.0	1.8	0.9	0.0	-0.0	-1.1
		Sobrecarga de uso	799.6	-4.9	-14.0	-3.8	-2.9	0.0	799.6	38966	20348	-3.8	-2.9	-44.3
		Viento +X exc.+	25.5	9.7	-0.6	6.1	-0.3	-0.1	25.5	1254.2	649.6	6.1	-0.3	-168.6
		Viento +X exc.-	26.4	9.8	-0.6	6.1	-0.2	-0.0	26.4	1295.4	671.1	6.1	-0.2	-167.0
		Viento -X exc.+	-25.5	-9.7	0.6	-6.1	0.3	0.1	-25.5	-1254	-649.6	-6.1	0.3	168.6
		Viento -X exc.-	-26.4	-9.8	0.6	-6.1	0.2	0.0	-26.4	-1295	-671.1	-6.1	0.2	167.0
		Viento +Y exc.+	-138.6	0.7	33.0	-0.3	13.0	0.3	-138.6	-6754	-3496	-0.3	13.0	640.7
		Viento +Y exc.-	-152.8	0.8	33.0	0.4	12.9	0.1	-152.8	-7446	-3858	0.4	12.9	618.5
		Viento -Y exc.+	138.6	-0.7	-33.0	0.3	-13.0	-0.3	138.6	6754.3	3496.4	0.3	-13.0	-640.7
		Viento -Y exc.-	152.8	-0.8	-33.0	-0.4	-12.9	-0.1	152.8	7445.7	3857.7	-0.4	-12.9	-618.5
P56 [56.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1729.2	1.9	-62.7	1.9	-9.0	0.0	1729.2	98115	43972	1.9	-9.0	-555.5
		Cargas muertas	1107.5	1.2	-25.1	1.0	-3.7	0.0	1107.5	62838	28177	1.0	-3.7	-235.6
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	1.9	0.7	0.0	-0.0	-1.5
		Sobrecarga de uso	599.7	0.5	-23.7	0.5	-5.7	0.0	599.7	34027	15248	0.5	-5.7	-335.7
		Viento +X exc.+	-6.4	10.7	-1.3	6.9	-0.6	-0.1	-6.4	-353.2	-164.6	6.9	-0.6	-210.7
		Viento +X exc.-	-6.6	10.7	-1.0	6.9	-0.5	-0.0	-6.6	-364.5	-169.4	6.9	-0.5	-204.3
		Viento -X exc.+	6.4	-10.7	1.3	-6.9	0.6	0.1	6.4	353.2	164.6	-6.9	0.6	210.7
		Viento -X exc.-	6.6	-10.7	1.0	-6.9	0.5	0.0	6.6	364.5	169.4	-6.9	0.5	204.3
		Viento +Y exc.+	-133.7	0.4	38.9	-0.5	15.5	0.3	-133.7	-7587	-3366	-0.5	15.5	893.1
		Viento +Y exc.-	-129.9	0.4	35.8	-0.0	14.1	0.1	-129.9	-7371	-3273	-0.0	14.1	802.3
		Viento -Y exc.+	133.7	-0.4	-38.9	0.5	-15.5	-0.3	133.7	7587.0	3366.4	0.5	-15.5	-893.1
		Viento -Y exc.-	129.9	-0.4	-35.8	0.0	-14.1	-0.1	129.9	7371.4	3272.8	0.0	-14.1	-802.3
P57 [64.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1741.6	-1.2	-55.5	-0.8	-7.7	0.0	1741.6	112748	44295	-0.8	-7.7	-480.5
		Cargas muertas	1156.2	0.1	-22.8	-0.5	-3.3	0.0	1156.2	74851	29420	-0.5	-3.3	-200.7
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	2.1	0.7	0.0	-0.0	-1.8
		Sobrecarga de uso	612.8	-0.1	-21.9	0.0	-5.6	0.0	612.8	39672	15583	0.0	-5.6	-362.8
		Viento +X exc.+	-0.4	10.6	-2.4	6.9	-1.2	-0.1	-0.4	-13.7	-12.0	6.9	-1.2	-254.3
		Viento +X exc.-	-1.0	10.7	-2.0	6.8	-1.0	-0.0	-1.0	-57.2	-28.7	6.8	-1.0	-241.3
		Viento -X exc.+	0.4	-10.6	2.4	-6.9	1.2	0.1	0.4	13.7	12.0	-6.9	1.2	254.3
		Viento -X exc.-	1.0	-10.7	2.0	-6.8	1.0	0.0	1.0	57.2	28.7	-6.8	1.0	241.3
		Viento +Y exc.+	-137.4	0.4	44.1	-0.6	17.7	0.3	-137.4	-8895	-3455	-0.6	17.7	1159.0
		Viento +Y exc.-	-125.6	0.3	37.7	-0.0	15.0	0.1	-125.6	-8128	-3160	-0.0	15.0	971.7
		Viento -Y exc.+	137.4	-0.4	-44.1	0.6	-17.7	-0.3	137.4	8895.4	3455.0	0.6	-17.7	-1159
		Viento -Y exc.-	125.6	-0.3	-37.7	0.0	-15.0	-0.1	125.6	8128.1	3159.6	0.0	-15.0	-971.7
P58 [72.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1779.6	0.7	-32.8	0.2	-1.2	0.0	1779.6	129447	45285	0.2	-1.2	-94.2
		Cargas muertas	1173.4	-0.1	-11.9	0.2	-0.1	0.0	1173.4	85350	29869	0.2	-0.1	-14.6
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	2.3	0.7	0.0	-0.0	-2.2
		Sobrecarga de uso	617.1	0.2	-14.2	-0.0	-3.5	0.0	617.1	44884	15699	-0.0	-3.5	-253.5
		Viento +X exc.+	1.2	10.8	-3.2	7.0	-1.6	-0.1	1.2	99.7	27.9	7.0	-1.6	-294.9
		Viento +X exc.-	0.0	10.8	-2.6	6.9	-1.3	-0.0	0.0	11.7	-2.2	6.9	-1.3	-274.0
		Viento -X exc.+	-1.2	-10.8	3.2	-7.0	1.6	0.1	-1.2	-99.7	-27.9	-7.0	1.6	294.9
		Viento -X exc.-	-0.0	-10.8	2.6	-6.9	1.3	0.0	-0.0	-11.7	2.2	-6.9	1.3	274.0
		Viento +Y exc.+	-146.7	0.5	49.2	-0.5	19.8	0.3	-146.7	-10671	-3687	-0.5	19.8	1452.5
		Viento +Y exc.-	-125.7	0.4	39.5	0.1	15.8	0.1	-125.7	-9140	-3160	0.1	15.8	1148.1
		Viento -Y exc.+	146.7	-0.5	-49.2	0.5	-19.8	-0.3	146.7	10671	3686.8	0.5	-19.8	-1452
		Viento -Y exc.-	125.7	-0.4	-39.5	-0.1	-15.8	-0.1	125.7	9139.9	3160.5	-0.1	-15.8	-1148
P59 [80.738;25.465;0.0 grados]	5.25/10.25	Peso propio	1763.2	0.4	-38.1	0.4	-2.8	0.0	1763.2	142356	44861	0.4	-2.8	-240.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(Diámetro 60)		Cargas muertas	1155.1	0.7	-13.5	0.4	-0.8	0.0	1155.1	93261	29401	0.4	-0.8	-72.5
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	2.5	0.7	0.0	-0.0	-2.5
		Sobrecarga de uso	621.1	-0.3	-16.1	-0.2	-4.0	0.0	621.1	50145	15800	-0.2	-4.0	-319.5
		Viento +X exc.+	1.4	12.3	-4.2	7.3	-2.1	-0.1	1.4	122.3	30.5	7.3	-2.1	-354.2
		Viento +X exc.-	-0.4	12.3	-3.4	7.3	-1.7	-0.0	-0.4	-19.5	-13.4	7.3	-1.7	-324.5
		Viento -X exc.+	-1.4	-12.3	4.2	-7.3	2.1	0.1	-1.4	-122.3	-30.5	-7.3	2.1	354.2
		Viento -X exc.-	0.4	-12.3	3.4	-7.3	1.7	0.0	0.4	19.5	13.4	-7.3	1.7	324.5
		Viento +Y exc.+	-156.3	0.4	52.5	-0.5	21.4	0.3	-156.3	-12622	-3929	-0.5	21.4	1739.
		Viento +Y exc.-	-125.9	0.4	39.9	0.1	16.2	0.1	-125.9	-10165	-3166	0.1	16.2	1304.8
		Viento -Y exc.+	156.3	-0.4	-52.5	0.5	-21.4	-0.3	156.3	12622	3928.5	0.5	-21.4	-1739
Viento -Y exc.-	125.9	-0.4	-39.9	-0.1	-16.2	-0.1	125.9	10165	3166.4	-0.1	-16.2	-1305		
P60 [88.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1794.3	-0.2	-47.1	-0.6	-5.3	0.0	1794.3	159224	45645	-0.6	-5.3	-451.3
		Cargas muertas	1159.6	-0.3	-18.2	-0.3	-2.1	0.0	1159.6	102897	29510	-0.3	-2.1	-180.2
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	2.8	0.7	0.0	-0.0	-3.0
		Sobrecarga de uso	624.1	0.4	-20.1	0.1	-5.1	0.0	624.1	55379	15872	0.1	-5.1	-455.1
		Viento +X exc.+	3.2	10.7	-4.9	6.9	-2.5	-0.1	3.2	296.6	77.1	6.9	-2.5	-398.5
		Viento +X exc.-	0.8	10.7	-3.9	6.9	-2.1	-0.0	0.8	85.5	17.5	6.9	-2.1	-359.1
		Viento -X exc.+	-3.2	-10.7	4.9	-6.9	2.5	0.1	-3.2	-296.6	-77.1	-6.9	2.5	398.5
		Viento -X exc.-	-0.8	-10.7	3.9	-6.9	2.1	0.0	-0.8	-85.5	-17.5	-6.9	2.1	359.1
		Viento +Y exc.+	-173.5	0.4	55.8	-0.5	22.9	0.3	-173.5	-15391	-4361	-0.5	22.9	2049.2
		Viento +Y exc.-	-132.4	0.4	40.4	0.0	16.6	0.1	-132.4	-11749	-3331	0.0	16.6	1472.5
Viento -Y exc.+	173.5	-0.4	-55.8	0.5	-22.9	-0.3	173.5	15391	4361.1	0.5	-22.9	-2049		
Viento -Y exc.-	132.4	-0.4	-40.4	-0.0	-16.6	-0.1	132.4	11749	3331.4	-0.0	-16.6	-1473		
P61 [96.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1774.6	1.5	-48.4	1.3	-5.0	0.0	1774.6	171675	45142	1.3	-5.0	-515.7
		Cargas muertas	1160.7	1.6	-19.7	0.9	-1.8	0.0	1160.7	112282	29536	0.9	-1.8	-201.7
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	4.3	1.0	0.0	-0.0	-3.4
		Sobrecarga de uso	625.2	-0.1	-20.8	-0.0	-5.3	0.0	625.2	60483	15901	-0.0	-5.3	-512.3
		Viento +X exc.+	6.1	11.8	-5.8	7.8	-2.9	-0.1	6.1	597.9	148.5	7.8	-2.9	-477.8
		Viento +X exc.-	3.2	11.8	-4.5	7.8	-2.3	-0.0	3.2	317.1	75.8	7.8	-2.3	-424.1
		Viento -X exc.+	-6.1	-11.8	5.8	-7.8	2.9	0.1	-6.1	-597.9	-148.5	-7.8	2.9	477.8
		Viento -X exc.-	-3.2	-11.8	4.5	-7.8	2.3	0.0	-3.2	-317.1	-75.8	-7.8	2.3	424.1
		Viento +Y exc.+	-181.4	0.8	63.0	-0.3	26.8	0.3	-181.4	-17544	-4556	-0.3	26.8	2599.6
		Viento +Y exc.-	-131.4	0.5	43.8	0.1	18.7	0.1	-131.4	-12710	-3302	0.1	18.7	1802.1
Viento -Y exc.+	181.4	-0.8	-63.0	0.3	-26.8	-0.3	181.4	17544	4555.5	0.3	-26.8	-2600		
Viento -Y exc.-	131.4	-0.5	-43.8	-0.1	-18.7	-0.1	131.4	12710	3302.2	-0.1	-18.7	-1802		
P62 [104.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1751.5	-0.4	-34.0	0.2	-1.4	0.0	1751.5	183447	44567	0.2	-1.4	-151.1
		Cargas muertas	1159.6	-0.8	-13.2	-0.2	-0.5	0.0	1159.6	121456	29516	-0.2	-0.5	-45.3
		H 1	0.0	0.1	-0.1	0.0	-0.0	0.0	0.0	1.0	0.1	0.0	-0.0	-3.9
		Sobrecarga de uso	620.3	0.3	-14.7	0.3	-3.6	0.0	620.3	64974	15782	0.3	-3.6	-383.9
		Viento +X exc.+	4.6	10.8	-6.8	6.9	-3.4	-0.1	4.6	495.8	111.2	6.9	-3.4	-529.7
		Viento +X exc.-	1.0	10.8	-5.4	6.9	-2.8	-0.0	1.0	116.0	20.2	6.9	-2.8	-466.1
		Viento -X exc.+	-4.6	-10.8	6.8	-6.9	3.4	0.1	-4.6	-495.8	-111.2	-6.9	3.4	529.7
		Viento -X exc.-	-1.0	-10.8	5.4	-6.9	2.8	0.0	-1.0	-116.0	-20.2	-6.9	2.8	466.
		Viento +Y exc.+	-199.2	0.3	65.0	-0.6	26.7	0.3	-199.2	-20865	-5008	-0.6	26.7	2812.7
		Viento +Y exc.-	-136.8	0.3	43.6	-0.1	17.9	0.1	-136.8	-14328	-3440	-0.1	17.9	1880.1
Viento -Y exc.+	199.2	-0.3	-65.0	0.6	-26.7	-0.3	199.2	20865	5008.0	0.6	-26.7	-2813		
Viento -Y exc.-	136.8	-0.3	-43.6	0.1	-17.9	-0.1	136.8	14328	3440.1	0.1	-17.9	-1880		
P63 [112.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1820.7	-1.9	-55.1	-0.8	-6.9	0.0	1820.7	205265	46310	-0.8	-6.9	-757.2
		Cargas muertas	1165.8	-0.4	-21.0	-0.2	-2.6	0.0	1165.8	131427	29665	-0.2	-2.6	-291.1
		H 1	-0.0	-0.2	0.0	-0.0	-0.0	0.0	-0.0	-2.3	-0.5	-0.0	-0.0	1.0
		Sobrecarga de uso	643.0	-0.8	-23.5	-0.5	-5.8	0.0	643.0	72494	16351	-0.5	-5.8	-640.0
		Viento +X exc.+	-2.1	10.9	-6.4	7.1	-3.6	-0.1	-2.1	-227.8	-60.3	7.1	-3.6	-587.9
		Viento +X exc.-	-6.1	10.9	-4.8	7.1	-2.9	-0.0	-6.1	-671.4	-158.9	7.1	-2.9	-505.9
		Viento -X exc.+	2.1	-10.9	6.4	-7.1	3.6	0.1	2.1	227.8	60.3	-7.1	3.6	587.9
		Viento -X exc.-	6.1	-10.9	4.8	-7.1	2.9	0.0	6.1	671.4	158.9	-7.1	2.9	505.9
		Viento +Y exc.+	-196.4	0.2	71.9	-0.8	30.3	0.3	-196.4	-22145	-4930	-0.8	30.3	3434.6
		Viento +Y exc.-	-128.5	0.2	46.6	-0.1	19.7	0.1	-128.5	-14486	-3226	-0.1	19.7	2225.6
Viento -Y exc.+	196.4	-0.2	-71.9	0.8	-30.3	-0.3	196.4	22145	4930.2	0.8	-30.3	-3435		
Viento -Y exc.-	128.5	-0.2	-46.6	0.1	-19.7	-0.1	128.5	14486	3225.6	0.1	-19.7	-2226		
P64 [120.738;25.465;0.0 grados] (Diámetro 60)	5.25/10.25	Peso propio	1303.1	65.3	46.4	25.2	17.7	0.0	1303.1	157395	33229	25.2	17.7	1498.2
		Cargas muertas	1084.7	3.2	31.3	3.6	10.9	0.0	1084.7	130966	27653	3.6	10.9	1225.2
		H 1	0.2	1.5	-0.1	0.4	-0.0	0.0	0.2	19.8	3.8	0.4	-0.0	-14.6
		Sobrecarga de uso	443.4	23.8	10.9	8.7	3.6	0.0	443.4	53553	11301	8.7	3.6	210.2
		Viento +X exc.+	40.6	21.6	-12.8	8.8	-5.5	-0.1	40.6	4922.9	1020.9	8.8	-5.5	-890.5
Viento +X exc.-	36.8	21.7	-10.1	8.8	-4.5	-0.0	36.8	4460.5	926.1	8.8	-4.5	-763.1		



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	-40.6	-21.6	12.8	-8.8	5.5	0.1	-40.6	-4923	-1021	-8.8	5.5	890.5
		Viento -X exc.-	-36.8	-21.7	10.1	-8.8	4.5	0.0	-36.8	-4460	-926.1	-8.8	4.5	763.1
		Viento +Y exc.+	-186.5	4.4	113.3	0.2	42.3	0.3	-186.5	-22516	-4637	0.2	42.3	5101.9
		Viento +Y exc.-	-120.7	3.2	71.2	0.6	26.7	0.1	-120.7	-14569	-3002	0.6	26.7	3210.6
		Viento -Y exc.+	186.5	-4.4	-113.3	-0.2	-42.3	-0.3	186.5	22516	4636.6	-0.2	-42.3	-5102
		Viento -Y exc.-	120.7	-3.2	-71.2	-0.6	-26.7	-0.1	120.7	14569	3002.3	-0.6	-26.7	-3211
P47 [32.738;31.965;0.0 grados] (70x70)	5.25/10.25	Peso propio	1664.3	55.1	-1.2	20.2	-2.1	0.0	1664.3	54541	53198	20.2	-2.1	-717.0
		Cargas muertas	703.2	24.8	-3.2	7.7	-3.7	0.0	703.2	23046	22474	7.7	-3.7	-366.9
		H 1	0.1	0.1	-0.0	0.0	-0.0	0.0	0.1	3.1	2.9	0.0	-0.0	-1.4
		Sobrecarga de uso	625.4	21.5	0.8	7.5	-0.5	0.0	625.4	20496	19992	7.5	-0.5	-256.0
		Viento +X exc.+	1.2	43.9	6.5	16.0	2.7	-0.1	1.2	83.9	45.6	16.0	2.7	-422.1
		Viento +X exc.-	9.7	43.6	4.6	15.8	2.0	-0.1	9.7	361.4	314.9	15.8	2.0	-440.4
		Viento -X exc.+	-1.2	-43.9	-6.5	-16.0	-2.7	0.1	-1.2	-83.9	-45.6	-16.0	-2.7	422.1
		Viento -X exc.-	-9.7	-43.6	-4.6	-15.8	-2.0	0.1	-9.7	-361.4	-314.9	-15.8	-2.0	440.4
		Viento +Y exc.+	-561.3	-8.8	107.5	-4.5	41.7	0.8	-561.3	-18385	-17835	-4.5	41.7	1510.6
		Viento +Y exc.-	-704.4	-3.5	137.5	-1.4	53.3	0.2	-704.4	-23065	-22379	-1.4	53.3	1792.3
		Viento -Y exc.+	561.3	8.8	-107.5	4.5	-41.7	-0.8	561.3	18385	17835	4.5	-41.7	-1511
		Viento -Y exc.-	704.4	3.5	-137.5	1.4	-53.3	-0.2	704.4	23065	22379	1.4	-53.3	-1792
P48 [40.738;31.965;0.0 grados] (70x70)	5.25/10.25	Peso propio	1765.9	-32.4	-9.1	-10.7	-7.9	0.0	1765.9	71908	56439	-10.7	-7.9	21.6
		Cargas muertas	748.7	-13.6	-6.6	-4.5	-5.4	0.0	748.7	30487	23926	-4.5	-5.4	-75.2
		H 1	0.1	0.2	-0.1	0.0	-0.0	0.0	0.1	3.3	2.4	0.0	-0.0	-2.0
		Sobrecarga de uso	654.5	-15.0	-1.2	-5.5	-1.6	0.0	654.5	26647	20919	-5.5	-1.6	108.7
		Viento +X exc.+	-25.2	43.7	2.4	16.3	1.0	-0.1	-25.2	-982.1	-802.5	16.3	1.0	-482.0
		Viento +X exc.-	-20.4	43.4	1.4	16.1	0.6	-0.1	-20.4	-789.5	-652.1	16.1	0.6	-491.5
		Viento -X exc.+	25.2	-43.7	-2.4	-16.3	-1.0	0.1	25.2	982.1	802.5	-16.3	-1.0	482.0
		Viento -X exc.-	20.4	-43.4	-1.4	-16.1	-0.6	0.1	20.4	789.5	652.1	-16.1	-0.6	491.5
		Viento +Y exc.+	-557.6	-5.2	131.7	-3.6	52.2	0.8	-557.6	-22722	-17693	-3.6	52.2	2241.2
		Viento +Y exc.-	-636.5	0.7	148.0	-0.3	58.5	0.2	-636.5	-25928	-20197	-0.3	58.5	2394.3
		Viento -Y exc.+	557.6	5.2	-131.7	3.6	-52.2	-0.8	557.6	22722	17693	3.6	-52.2	-2241
		Viento -Y exc.-	636.5	-0.7	-148.0	0.3	-58.5	-0.2	636.5	25928	20197	0.3	-58.5	-2394
P65 [0.738;13.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	815.1	-54.6	35.2	-17.8	14.2	0.0	815.1	546.8	11010	-17.8	14.2	250.5
		Cargas muertas	224.8	15.2	-2.3	3.0	0.8	0.0	224.8	181.1	3025.0	3.0	0.8	-39.7
		H 1	0.1	-1.7	0.1	-0.4	0.0	0.0	0.1	-1.6	1.7	-0.4	0.0	5.5
		Sobrecarga de uso	266.7	-18.0	9.8	-6.1	5.3	0.0	266.7	178.8	3600.4	-6.1	5.3	85.8
		Viento +X exc.+	-7.0	37.1	7.7	12.5	2.7	-0.1	-7.0	31.9	-86.1	12.5	2.7	-165.8
		Viento +X exc.-	-7.1	37.7	5.4	12.7	1.9	-0.0	-7.1	32.5	-90.0	12.7	1.9	-169.1
		Viento -X exc.+	7.0	-37.1	-7.7	-12.5	-2.7	0.1	7.0	-31.9	86.1	-12.5	-2.7	165.8
		Viento -X exc.-	7.1	-37.7	-5.4	-12.7	-1.9	0.0	7.1	-32.5	90.0	-12.7	-1.9	169.1
		Viento +Y exc.+	-3.4	13.8	11.6	4.5	4.1	0.3	-3.4	11.3	-34.3	4.5	4.1	-57.1
		Viento +Y exc.-	-1.6	4.1	48.3	1.3	16.5	0.1	-1.6	2.9	26.2	1.3	16.5	-5.4
		Viento -Y exc.+	3.4	-13.8	-11.6	-4.5	-4.1	-0.3	3.4	-11.3	34.3	-4.5	-4.1	57.1
		Viento -Y exc.-	1.6	-4.1	-48.3	-1.3	-16.5	-0.1	1.6	-2.9	-26.2	-1.3	-16.5	5.4
P66 [8.738;13.465;0.0 grados] (50x100)	5.25/10.03	Peso propio	1352.0	21.6	138.5	8.0	59.4	0.0	1352.0	11835	18343	8.0	59.4	410.5
		Cargas muertas	675.8	-1.2	45.6	-1.7	30.3	0.0	675.8	5903.5	9144.7	-1.7	30.3	288.0
		H 1	-0.2	0.4	0.6	0.1	0.1	0.0	-0.2	-1.3	-2.1	0.1	0.1	-0.3
		Sobrecarga de uso	436.2	7.4	49.7	2.8	27.5	0.0	436.2	3818.8	5923.0	2.8	27.5	202.7
		Viento +X exc.+	1.9	66.2	20.3	21.9	8.0	-0.1	1.9	82.9	46.1	21.9	8.0	-224.6
		Viento +X exc.-	1.9	67.3	14.0	22.2	5.6	-0.1	1.9	83.5	38.9	22.2	5.6	-250.1
		Viento -X exc.+	-1.9	-66.2	-20.3	-21.9	-8.0	0.1	-1.9	-82.9	-46.1	-21.9	-8.0	224.6
		Viento -X exc.-	-1.9	-67.3	-14.0	-22.2	-5.6	0.1	-1.9	-83.5	-38.9	-22.2	-5.6	250.1
		Viento +Y exc.+	1.7	22.9	66.2	7.5	25.1	0.7	1.7	37.8	89.2	7.5	25.1	119.2
		Viento +Y exc.-	2.6	5.7	170.5	2.0	63.3	0.2	2.6	28.7	205.9	2.0	63.3	527.3
		Viento -Y exc.+	-1.7	-22.9	-66.2	-7.5	-25.1	-0.7	-1.7	-37.8	-89.2	-7.5	-25.1	-119.2
		Viento -Y exc.-	-2.6	-5.7	-170.5	-2.0	-63.3	-0.2	-2.6	-28.7	-205.9	-2.0	-63.3	-527.3
P67 [16.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1148.7	-5.1	21.3	-1.0	23.5	0.0	1148.7	19222	15489	-1.0	23.5	406.8
		Cargas muertas	451.9	7.5	13.4	4.4	16.7	0.0	451.9	7572.0	6098.6	4.4	16.7	221.2
		H 1	-0.1	-0.1	0.6	-0.0	0.1	0.0	-0.1	-1.1	-0.2	-0.0	0.1	2.1
		Sobrecarga de uso	380.3	-1.5	24.2	-0.5	17.8	0.0	380.3	6363.3	5144.4	-0.5	17.8	304.5
		Viento +X exc.+	1.8	54.2	9.1	18.4	4.0	-0.1	1.8	84.2	33.2	18.4	4.0	-181.2
		Viento +X exc.-	1.5	55.1	5.9	18.7	2.7	-0.1	1.5	79.8	25.7	18.7	2.7	-206.3
		Viento -X exc.+	-1.8	-54.2	-9.1	-18.4	-4.0	0.1	-1.8	-84.2	-33.2	-18.4	-4.0	181.2
		Viento -X exc.-	-1.5	-55.1	-5.9	-18.7	-2.7	0.1	-1.5	-79.8	-25.7	-18.7	-2.7	206.3
		Viento +Y exc.+	5.7	19.5	60.1	6.5	24.0	0.6	5.7	115.7	137.4	6.5	24.0	315.4
		Viento +Y exc.-	10.7	5.7	113.3	1.9	44.5	0.2	10.7	184.2	256.9	1.9	44.5	719.8
		Viento -Y exc.+	-5.7	-19.5	-60.1	-6.5	-24.0	-0.6	-5.7	-115.7	-137.4	-6.5	-24.0	-315.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	-10.7	-5.7	-113.3	-1.9	-44.5	-0.2	-10.7	-184.2	-256.9	-1.9	-44.5	-719.8
P68 [24.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1140.9	5.6	63.5	1.1	19.3	0.0	1140.9	28229	15426	1.1	19.3	462.6
		Cargas muertas	331.9	-2.9	18.4	-1.6	15.2	0.0	331.9	8208.6	4488.0	-1.6	15.2	398.5
		H 1	-0.0	0.1	0.5	0.0	0.1	0.0	-0.0	-0.3	0.3	0.0	0.1	2.2
		Sobrecarga de uso	372.0	0.4	31.3	0.1	13.7	0.0	372.0	9202.3	5039.9	0.1	13.7	336.3
		Viento +X exc.+	0.6	59.9	7.5	19.7	3.0	-0.1	0.6	74.7	15.6	19.7	3.0	-190.0
		Viento +X exc.-	0.4	60.9	4.5	20.0	2.0	-0.1	0.4	71.5	10.3	20.0	2.0	-220.7
		Viento -X exc.+	-0.6	-59.9	-7.5	-19.7	-3.0	0.1	-0.6	-74.7	-15.6	-19.7	-3.0	190.0
		Viento -X exc.-	-0.4	-60.9	-4.5	-20.0	-2.0	0.1	-0.4	-71.5	-10.3	-20.0	-2.0	220.7
		Viento +Y exc.+	3.6	22.0	98.0	7.0	35.8	0.6	3.6	111.9	146.9	7.0	35.8	790.8
		Viento +Y exc.-	6.3	7.7	146.6	2.4	53.1	0.2	6.3	162.3	230.8	2.4	53.1	1282.3
		Viento -Y exc.+	-3.6	-22.0	-98.0	-7.0	-35.8	-0.6	-3.6	-111.9	-146.9	-7.0	-35.8	-790.8
		Viento -Y exc.-	-6.3	-7.7	-146.6	-2.4	-53.1	-0.2	-6.3	-162.3	-230.8	-2.4	-53.1	-1282
P69 [32.738;13.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	968.8	6.1	-17.3	1.7	-7.1	0.0	968.8	31724	13028	1.7	-7.1	-254.8
		Cargas muertas	390.3	3.9	-8.7	1.0	-0.1	0.0	390.3	12781	5246.4	1.0	-0.1	-16.2
		H 1	-0.0	0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.6	-0.2	-0.0	-0.0	-0.3
		Sobrecarga de uso	313.8	-0.6	5.3	-0.1	1.3	0.0	313.8	10273	4231.0	-0.1	1.3	45.2
		Viento +X exc.+	1.0	43.9	2.0	14.3	0.7	-0.1	1.0	75.6	15.0	14.3	0.7	-169.2
		Viento +X exc.-	0.8	44.6	1.2	14.5	0.4	-0.0	0.8	70.4	11.8	14.5	0.4	-180.9
		Viento -X exc.+	-1.0	-43.9	-2.0	-14.3	-0.7	0.1	-1.0	-75.6	-15.0	-14.3	-0.7	169.2
		Viento -X exc.-	-0.8	-44.6	-1.2	-14.5	-0.4	0.0	-0.8	-70.4	-11.8	-14.5	-0.4	180.9
		Viento +Y exc.+	8.8	15.2	46.8	4.9	15.7	0.3	8.8	304.4	165.8	4.9	15.7	449.1
		Viento +Y exc.-	11.6	4.5	59.5	1.4	20.0	0.1	11.6	385.7	216.3	1.4	20.0	633.9
		Viento -Y exc.+	-8.8	-15.2	-46.8	-4.9	-15.7	-0.3	-8.8	-304.4	-165.8	-4.9	-15.7	-449.1
		Viento -Y exc.-	-11.6	-4.5	-59.5	-1.4	-20.0	-0.1	-11.6	-385.7	-216.3	-1.4	-20.0	-633.9
P70 [40.738;13.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	908.8	3.4	-0.6	1.7	-3.4	0.0	908.8	37028	12237	1.7	-3.4	-163.0
		Cargas muertas	217.8	-0.1	3.6	0.8	2.9	0.0	217.8	8873.7	2936.6	0.8	2.9	105.4
		H 1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.5	-0.2	-0.0	-0.0	-0.5
		Sobrecarga de uso	298.4	3.0	12.1	0.9	3.0	0.0	298.4	12158	4029.6	0.9	3.0	109.2
		Viento +X exc.+	-1.5	44.6	1.8	14.4	0.6	-0.1	-1.5	-18.5	-19.0	14.4	0.6	-170.7
		Viento +X exc.-	-1.6	45.3	1.4	14.7	0.4	-0.0	-1.6	-21.2	-20.6	14.7	0.4	-179.7
		Viento -X exc.+	1.5	-44.6	-1.8	-14.4	-0.6	0.1	1.5	18.5	19.0	-14.4	-0.6	170.7
		Viento -X exc.-	1.6	-45.3	-1.4	-14.7	-0.4	0.0	1.6	21.2	20.6	-14.7	-0.4	179.7
		Viento +Y exc.+	9.7	15.9	54.1	5.1	18.1	0.3	9.7	409.1	184.0	5.1	18.1	671.2
		Viento +Y exc.-	11.0	5.1	61.1	1.6	20.5	0.1	11.0	452.3	209.0	1.6	20.5	814.4
		Viento -Y exc.+	-9.7	-15.9	-54.1	-5.1	-18.1	-0.3	-9.7	-409.1	-184.0	-5.1	-18.1	-671.2
		Viento -Y exc.-	-11.0	-5.1	-61.1	-1.6	-20.5	-0.1	-11.0	-452.3	-209.0	-1.6	-20.5	-814.4
P71 [48.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1168.9	-34.2	119.3	-10.4	31.4	0.0	1168.9	56935	15858	-10.4	31.4	1668.7
		Cargas muertas	634.2	-22.3	118.7	-10.8	54.9	0.0	634.2	30889	8658.5	-10.8	54.9	2823.6
		H 1	-0.0	-0.0	0.3	-0.0	0.0	0.0	-0.0	-1.8	-0.2	-0.0	0.0	2.1
		Sobrecarga de uso	380.9	-6.0	50.9	-2.1	18.8	0.0	380.9	18560	5180.1	-2.1	18.8	946.1
		Viento +X exc.+	2.4	55.0	1.1	18.4	0.3	-0.1	2.4	170.0	32.9	18.4	0.3	-233.0
		Viento +X exc.-	2.4	55.8	1.0	18.7	0.2	-0.1	2.4	173.6	33.5	18.7	0.2	-239.5
		Viento -X exc.+	-2.4	-55.0	-1.1	-18.4	-0.3	0.1	-2.4	-170.0	-32.9	-18.4	-0.3	233.0
		Viento -X exc.-	-2.4	-55.8	-1.0	-18.7	-0.2	0.1	-2.4	-173.6	-33.5	-18.7	-0.2	239.5
		Viento +Y exc.+	10.5	19.4	156.0	6.4	57.2	0.6	10.5	528.9	296.8	6.4	57.2	2704.3
		Viento +Y exc.-	9.6	5.8	158.6	1.9	58.3	0.2	9.6	475.3	288.3	1.9	58.3	2817.3
		Viento -Y exc.+	-10.5	-19.4	-156.0	-6.4	-57.2	-0.6	-10.5	-528.9	-296.8	-6.4	-57.2	-2704
		Viento -Y exc.-	-9.6	-5.8	-158.6	-1.9	-58.3	-0.2	-9.6	-475.3	-288.3	-1.9	-58.3	-2817
P72 [56.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1162.4	4.1	112.6	2.4	42.5	0.0	1162.4	65955	15764	2.4	42.5	2377.5
		Cargas muertas	340.6	9.9	51.2	5.3	28.8	0.0	340.6	19332	4636.7	5.3	28.8	1563.6
		H 1	-0.0	0.1	0.5	0.0	0.1	0.0	-0.0	-2.7	-0.1	0.0	0.1	4.7
		Sobrecarga de uso	384.4	-0.5	44.9	0.2	22.8	0.0	384.4	21810	5220.9	0.2	22.8	1291.7
		Viento +X exc.+	-0.7	51.2	-3.4	17.6	-1.3	-0.1	-0.7	13.1	-12.5	17.6	-1.3	-312.4
		Viento +X exc.-	-0.6	52.1	-2.7	17.9	-1.0	-0.1	-0.6	16.2	-11.2	17.9	-1.0	-300.5
		Viento -X exc.+	0.7	-51.2	3.4	-17.6	1.3	0.1	0.7	-13.1	12.5	-17.6	1.3	312.4
		Viento -X exc.-	0.6	-52.1	2.7	-17.9	1.0	0.1	0.6	-16.2	11.2	-17.9	1.0	300.5
		Viento +Y exc.+	9.3	20.1	172.7	6.6	62.7	0.6	9.3	546.4	297.6	6.6	62.7	3466.9
		Viento +Y exc.-	8.7	6.3	160.6	2.1	58.4	0.2	8.7	501.1	278.0	2.1	58.4	3287.1
		Viento -Y exc.+	-9.3	-20.1	-172.7	-6.6	-62.7	-0.6	-9.3	-546.4	-297.6	-6.6	-62.7	-3467
		Viento -Y exc.-	-8.7	-6.3	-160.6	-2.1	-58.4	-0.2	-8.7	-501.1	-278.0	-2.1	-58.4	-3287
P73 [64.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1128.3	3.4	123.6	0.7	51.3	0.0	1128.3	73048	15316	0.7	51.3	3312.6
		Cargas muertas	349.7	-3.9	32.0	-3.1	19.2	0.0	349.7	22638	4741.2	-3.1	19.2	1282.4
		H 1	-0.0	-0.0	0.6	-0.0	0.1	0.0	-0.0	-2.1	0.2	-0.0	0.1	7.0
		Sobrecarga de uso	372.7	2.1	50.3	0.6	26.5	0.0	372.7	24129	5068.4	0.6	26.5	1708.9



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	-1.8	61.1	-7.8	20.0	-2.9	-0.1	-1.8	-55.4	-32.0	20.0	-2.9	-454.8
		Viento +X exc.-	-1.7	62.0	-6.1	20.3	-2.2	-0.1	-1.7	-47.3	-28.9	20.3	-2.2	-419.0
		Viento -X exc.+	1.8	-61.1	7.8	-20.0	2.9	0.1	1.8	55.4	32.0	-20.0	2.9	454.8
		Viento -X exc.-	1.7	-62.0	6.1	-20.3	2.2	0.1	1.7	47.3	28.9	-20.3	2.2	419.0
		Viento +Y exc.+	13.5	20.8	196.8	6.7	71.1	0.6	13.5	892.9	378.2	6.7	71.1	4512.6
		Viento +Y exc.-	11.8	5.9	169.9	1.9	61.5	0.2	11.8	771.4	329.1	1.9	61.5	3954.7
		Viento -Y exc.+	-13.5	-20.8	-196.8	-6.7	-71.1	-0.6	-13.5	-892.9	-378.2	-6.7	-71.1	-4513
		Viento -Y exc.-	-11.8	-5.9	-169.9	-1.9	-61.5	-0.2	-11.8	-771.4	-329.1	-1.9	-61.5	-3955
P74 [72.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1222.7	-7.6	159.4	-2.4	58.2	0.0	1222.7	88930	16623	-2.4	58.2	4263.5
		Cargas muertas	542.0	3.9	57.7	2.5	27.7	0.0	542.0	39430	7355.9	2.5	27.7	1978.4
		H 1	-0.0	-0.0	0.5	-0.0	0.1	0.0	-0.0	-3.4	-0.1	-0.0	0.1	6.7
		Sobrecarga de uso	395.7	-2.0	62.6	-0.7	29.0	0.0	395.7	28784	5391.3	-0.7	29.0	2116.9
		Viento +X exc.+	-0.5	60.6	-10.9	20.0	-4.1	-0.1	-0.5	26.1	-17.3	20.0	-4.1	-566.8
		Viento +X exc.-	-0.3	61.5	-8.4	20.3	-3.1	-0.1	-0.3	42.0	-12.0	20.3	-3.1	-501.7
		Viento -X exc.+	0.5	-60.6	10.9	-20.0	4.1	0.1	0.5	-26.1	17.3	-20.0	4.1	566.8
		Viento -X exc.-	0.3	-61.5	8.4	-20.3	3.1	0.1	0.3	-42.0	12.0	-20.3	3.1	501.7
		Viento +Y exc.+	15.6	20.5	217.7	6.7	78.9	0.6	15.6	1152.9	427.3	6.7	78.9	5653.0
		Viento +Y exc.-	12.5	5.8	176.1	1.9	64.0	0.2	12.5	912.2	343.9	1.9	64.0	4629.5
		Viento -Y exc.+	-15.6	-20.5	-217.7	-6.7	-78.9	-0.6	-15.6	-1153	-427.3	-6.7	-78.9	-5653
		Viento -Y exc.-	-12.5	-5.8	-176.1	-1.9	-64.0	-0.2	-12.5	-912.2	-343.9	-1.9	-64.0	-4630
P75 [80.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1114.7	2.8	149.0	0.4	55.1	0.0	1114.7	90003	15159	0.4	55.1	4442.4
		Cargas muertas	324.6	-0.8	58.9	-1.0	29.5	0.0	324.6	26210	4430.2	-1.0	29.5	2395.8
		H 1	-0.0	0.0	0.6	-0.0	0.1	0.0	-0.0	-3.2	0.0	-0.0	0.1	7.9
		Sobrecarga de uso	375.0	0.4	57.9	-0.0	27.4	0.0	375.0	30273	5106.6	-0.0	27.4	2212.6
		Viento +X exc.+	-1.2	59.2	-13.7	19.5	-5.2	-0.1	-1.2	-34.6	-29.3	19.5	-5.2	-682.6
		Viento +X exc.-	-0.9	60.1	-10.2	19.8	-3.9	-0.1	-0.9	-15.3	-22.8	19.8	-3.9	-584.1
		Viento -X exc.+	1.2	-59.2	13.7	-19.5	5.2	0.1	1.2	34.6	29.3	-19.5	5.2	682.6
		Viento -X exc.-	0.9	-60.1	10.2	-19.8	3.9	0.1	0.9	15.3	22.8	-19.8	3.9	584.1
		Viento +Y exc.+	14.8	21.1	236.2	6.9	85.4	0.6	14.8	1216.3	435.5	6.9	85.4	6804.3
		Viento +Y exc.-	11.3	6.5	180.4	2.1	65.4	0.2	11.3	922.2	333.1	2.1	65.4	5250.1
		Viento -Y exc.+	-14.8	-21.1	-236.2	-6.9	-85.4	-0.6	-14.8	-1216	-435.5	-6.9	-85.4	-6804
		Viento -Y exc.-	-11.3	-6.5	-180.4	-2.1	-65.4	-0.2	-11.3	-922.2	-333.1	-2.1	-65.4	-5250
P76 [88.738;13.465;0.0 grados] (50x90)	5.25/10.03	Peso propio	1156.8	-4.0	130.5	-1.1	51.2	0.0	1156.8	102646	15706	-1.1	51.2	4562.7
		Cargas muertas	385.5	-0.3	56.2	0.4	32.8	0.0	385.5	34207	5246.8	0.4	32.8	2907.3
		H 1	-0.0	0.0	0.6	-0.0	0.1	0.0	-0.0	-3.7	-0.0	-0.0	0.1	8.1
		Sobrecarga de uso	387.5	-2.8	53.3	-0.8	26.3	0.0	387.5	34384	5271.0	-0.8	26.3	2346.7
		Viento +X exc.+	-1.2	59.3	-18.0	19.6	-6.8	-0.1	-1.2	-49.5	-34.6	19.6	-6.8	-868.6
		Viento +X exc.-	-1.0	60.2	-13.5	19.9	-5.1	-0.1	-1.0	-28.4	-26.9	19.9	-5.1	-724.0
		Viento -X exc.+	1.2	-59.3	18.0	-19.6	6.8	0.1	1.2	49.5	34.6	-19.6	6.8	868.6
		Viento -X exc.-	1.0	-60.2	13.5	-19.9	5.1	0.1	1.0	28.4	26.9	-19.9	5.1	724.0
		Viento +Y exc.+	13.1	21.3	267.5	6.9	96.9	0.6	13.1	1184.9	444.0	6.9	96.9	8503.4
		Viento +Y exc.-	9.7	6.6	194.2	2.1	70.4	0.2	9.7	863.5	324.2	2.1	70.4	6222.1
		Viento -Y exc.+	-13.1	-21.3	-267.5	-6.9	-96.9	-0.6	-13.1	-1185	-444.0	-6.9	-96.9	-8503
		Viento -Y exc.-	-9.7	-6.6	-194.2	-2.1	-70.4	-0.2	-9.7	-863.5	-324.2	-2.1	-70.4	-6222
P77 [96.738;13.465;0.0 grados] (60x60)	5.25/10.03	Peso propio	1092.3	3.6	87.4	0.4	30.5	0.0	1092.3	105666	14794	0.4	30.5	2947.1
		Cargas muertas	338.1	-2.2	21.2	-1.7	11.6	0.0	338.1	32703	4573.4	-1.7	11.6	1142.9
		H 1	-0.0	0.0	0.3	-0.0	0.1	0.0	-0.0	-2.9	-0.1	-0.0	0.1	5.8
		Sobrecarga de uso	367.4	0.8	39.8	0.1	15.8	0.0	367.4	35543	4986.8	0.1	15.8	1525.0
		Viento +X exc.+	-1.6	63.1	-12.5	21.1	-4.3	-0.1	-1.6	-90.4	-33.8	21.1	-4.3	-704.3
		Viento +X exc.-	-1.3	64.2	-9.5	21.4	-3.3	-0.1	-1.3	-62.3	-27.1	21.4	-3.3	-607.9
		Viento -X exc.+	1.6	-63.1	12.5	-21.1	4.3	0.1	1.6	90.4	33.8	-21.1	4.3	704.3
		Viento -X exc.-	1.3	-64.2	9.5	-21.4	3.3	0.1	1.3	62.3	27.1	-21.4	3.3	607.9
		Viento +Y exc.+	14.5	23.7	154.1	7.6	53.4	0.4	14.5	1426.0	349.2	7.6	53.4	5065.9
		Viento +Y exc.-	10.2	7.6	107.1	2.4	37.2	0.1	10.2	998.1	245.0	2.4	37.2	3564.7
		Viento -Y exc.+	-14.5	-23.7	-154.1	-7.6	-53.4	-0.4	-14.5	-1426	-349.2	-7.6	-53.4	-5066
		Viento -Y exc.-	-10.2	-7.6	-107.1	-2.4	-37.2	-0.1	-10.2	-998.1	-245.0	-2.4	-37.2	-3565
P78 [104.675;13.465;0.0 grados] (60x60)	5.25/10.03	Peso propio	1195.8	-6.1	140.7	-1.0	43.6	0.0	1195.8	125163	16242	-1.0	43.6	4580.3
		Cargas muertas	576.8	-3.1	32.8	0.9	14.9	0.0	576.8	60376	7799.6	0.9	14.9	1551.5
		H 1	-0.0	0.0	0.3	0.0	0.1	0.0	-0.0	-4.8	-0.3	0.0	0.1	5.4
		Sobrecarga de uso	394.2	-2.4	58.9	-0.6	20.4	0.0	394.2	41264	5367.2	-0.6	20.4	2141.7
		Viento +X exc.+	-1.2	54.8	-13.6	19.1	-4.9	-0.1	-1.2	-70.2	-29.7	19.1	-4.9	-775.3
		Viento +X exc.-	-0.9	55.7	-10.1	19.4	-3.7	-0.1	-0.9	-36.0	-21.9	19.4	-3.7	-650.2
		Viento -X exc.+	1.2	-54.8	13.6	-19.1	4.9	0.1	1.2	70.2	29.7	-19.1	4.9	775.3
		Viento -X exc.-	0.9	-55.7	10.1	-19.4	3.7	0.1	0.9	36.0	21.9	-19.4	3.7	650.2
		Viento +Y exc.+	14.7	20.2	164.6	6.8	58.4	0.4	14.7	1558.6	362.5	6.8	58.4	6017.7





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P79 [112.675;13.465;0.0 grados] (60x60)	5.25/10.03	Viento +Y exc.-	9.9	6.0	110.2	2.0	39.1	0.1	9.9	1039.3	243.1	2.0	39.1	4064.8
		Viento -Y exc.+	-14.7	-20.2	-164.6	-6.8	-58.4	-0.4	-14.7	-1559	-362.5	-6.8	-58.4	-6018
		Viento -Y exc.-	-9.9	-6.0	-110.2	-2.0	-39.1	-0.1	-9.9	-1039	-243.1	-2.0	-39.1	-4065
		Peso propio	1123.9	-41.4	77.8	-10.8	27.5	0.0	1123.9	126598	15211	-10.8	27.5	3249.0
		Cargas muertas	289.1	-4.5	2.1	-1.1	3.1	0.0	289.1	32569	3894.6	-1.1	3.1	368.4
		H 1	-0.1	-0.2	0.1	-0.1	0.0	0.0	-0.1	-15.1	-1.7	-0.1	0.0	1.3
		Sobrecarga de uso	409.2	-13.7	38.5	-3.7	15.2	0.0	409.2	46087	5547.6	-3.7	15.2	1758.6
		Viento +X exc.+	-1.8	60.8	-16.9	20.5	-6.0	-0.1	-1.8	-141.3	-41.0	20.5	-6.0	-950.9
		Viento +X exc.-	-1.7	61.7	-12.5	20.8	-4.5	-0.1	-1.7	-133.0	-35.8	20.8	-4.5	-782.2
		Viento -X exc.+	1.8	-60.8	16.9	-20.5	6.0	0.1	1.8	141.3	41.0	-20.5	6.0	950.9
		Viento -X exc.-	1.7	-61.7	12.5	-20.8	4.5	0.1	1.7	133.0	35.8	-20.8	4.5	782.2
		Viento +Y exc.+	2.9	18.8	195.1	6.6	67.6	0.4	2.9	340.5	233.6	6.6	67.6	7527.8
		Viento +Y exc.-	2.0	4.6	126.1	1.8	43.7	0.1	2.0	229.6	153.0	1.8	43.7	4901.1
		Viento -Y exc.+	-2.9	-18.8	-195.1	-6.6	-67.6	-0.4	-2.9	-340.5	-233.6	-6.6	-67.6	-7528
		Viento -Y exc.-	-2.0	-4.6	-126.1	-1.8	-43.7	-0.1	-2.0	-229.6	-153.0	-1.8	-43.7	-4901
P80 [120.688;13.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	793.1	61.0	17.6	20.0	9.6	0.0	793.1	95777	10696	20.0	9.6	892.8
		Cargas muertas	238.8	-19.2	-2.9	-3.6	-0.3	0.0	238.8	28797	3212.0	-3.6	-0.3	13.7
		H 1	0.0	0.7	-0.0	0.2	-0.0	0.0	0.0	6.7	0.6	0.2	-0.0	-3.5
		Sobrecarga de uso	275.7	22.1	10.0	7.5	5.6	0.0	275.7	33296	3722.3	7.5	5.6	575.9
		Viento +X exc.+	6.5	34.5	-12.5	11.8	-4.4	-0.1	6.5	819.5	75.1	11.8	-4.4	-689.8
		Viento +X exc.-	6.6	35.1	-9.2	12.0	-3.3	-0.0	6.6	834.4	80.0	12.0	-3.3	-555.0
		Viento -X exc.+	-6.5	-34.5	12.5	-11.8	4.4	0.1	-6.5	-819.5	-75.1	-11.8	4.4	689.8
		Viento -X exc.-	-6.6	-35.1	9.2	-12.0	3.3	0.0	-6.6	-834.4	-80.0	-12.0	3.3	555.0
		Viento +Y exc.+	2.4	14.5	138.2	4.7	47.5	0.3	2.4	301.3	170.2	4.7	47.5	5667.8
		Viento +Y exc.-	0.7	4.9	86.4	1.5	29.7	0.1	0.7	92.2	96.1	1.5	29.7	3563.9
		Viento -Y exc.+	-2.4	-14.5	-138.2	-4.7	-47.5	-0.3	-2.4	-301.3	-170.2	-4.7	-47.5	-5668
		Viento -Y exc.-	-0.7	-4.9	-86.4	-1.5	-29.7	-0.1	-0.7	-92.2	-96.1	-1.5	-29.7	-3564
		Peso propio	479.5	-41.3	-151.0	-13.8	-53.6	0.0	479.5	312.5	71.9	-13.8	-53.6	-33.1
		Cargas muertas	153.5	7.4	-50.5	0.8	-16.8	0.0	153.5	120.6	20.8	0.8	-16.8	-12.8
		H 1	-0.1	-0.1	-0.2	-0.0	-0.1	0.0	-0.1	-0.2	-0.3	-0.0	-0.1	-0.0
P83 [0.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Sobrecarga de uso	174.4	-15.1	-43.1	-5.6	-17.1	0.0	174.4	113.6	38.0	-5.6	-17.1	-10.0
		Viento +X exc.+	-6.0	31.1	7.8	10.7	2.7	-0.1	-6.0	26.7	5.0	10.7	2.7	-3.0
		Viento +X exc.-	-6.0	32.2	5.8	11.0	2.0	-0.0	-6.0	27.8	3.0	11.0	2.0	-3.7
		Viento -X exc.+	6.0	-31.1	-7.8	-10.7	-2.7	0.1	6.0	-26.7	-5.0	-10.7	-2.7	3.0
		Viento -X exc.-	6.0	-32.2	-5.8	-11.0	-2.0	0.0	6.0	-27.8	-3.0	-11.0	-2.0	3.7
		Viento +Y exc.+	-5.0	26.3	11.0	8.7	3.9	0.3	-5.0	22.6	8.7	8.7	3.9	-0.9
		Viento +Y exc.-	-5.7	8.6	43.1	2.8	15.1	0.1	-5.7	4.4	40.5	2.8	15.1	9.9
		Viento -Y exc.+	5.0	-26.3	-11.0	-8.7	-3.9	-0.3	5.0	-22.6	-8.7	-8.7	-3.9	0.9
		Viento -Y exc.-	5.7	-8.6	-43.1	-2.8	-15.1	-0.1	5.7	-4.4	-40.5	-2.8	-15.1	-9.9
		Peso propio	669.7	7.3	-163.6	2.6	-56.9	0.0	669.7	5859.1	147.7	2.6	-56.9	-498.6
		Cargas muertas	223.5	0.2	-21.0	0.2	-10.9	0.0	223.5	1953.1	82.9	0.2	-10.9	-95.3
		H 1	0.1	0.1	-1.7	0.0	-0.4	0.0	0.1	1.3	-1.7	0.0	-0.4	-3.7
		Sobrecarga de uso	269.1	2.3	-47.8	0.9	-18.5	0.0	269.1	2353.8	77.3	0.9	-18.5	-162.3
		Viento +X exc.+	0.2	38.1	6.2	12.6	2.2	-0.1	0.2	39.6	6.3	12.6	2.2	13.6
		Viento +X exc.-	0.6	39.4	4.3	13.0	1.6	-0.0	0.6	44.8	4.6	13.0	1.6	7.6
P84 [8.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Viento -X exc.+	-0.2	-38.1	-6.2	-12.6	-2.2	0.1	-0.2	-39.6	-6.3	-12.6	-2.2	-13.6
		Viento -X exc.-	-0.6	-39.4	-4.3	-13.0	-1.6	0.0	-0.6	-44.8	-4.6	-13.0	-1.6	-7.6
		Viento +Y exc.+	-3.5	30.7	20.6	10.0	7.2	0.3	-3.5	0.3	19.0	10.0	7.2	58.4
		Viento +Y exc.-	-10.5	9.2	50.8	3.0	17.5	0.1	-10.5	-82.4	46.0	3.0	17.5	151.8
		Viento -Y exc.+	3.5	-30.7	-20.6	-10.0	-7.2	-0.3	3.5	-0.3	-19.0	-10.0	-7.2	-58.4
		Viento -Y exc.-	10.5	-9.2	-50.8	-3.0	-17.5	-0.1	10.5	82.4	-46.0	-3.0	-17.5	-151.8
		Peso propio	624.4	4.0	-176.6	1.0	-58.8	0.0	624.4	10455	113.6	1.0	-58.8	-984.5
		Cargas muertas	203.1	4.9	-21.5	1.4	-10.9	0.0	203.1	3404.8	72.9	1.4	-10.9	-183.6
		H 1	0.0	-0.0	-1.7	-0.0	-0.4	0.0	0.0	0.3	-1.7	-0.0	-0.4	-6.9
		Sobrecarga de uso	252.7	0.6	-50.6	0.1	-18.8	0.0	252.7	4229.9	66.8	0.1	-18.8	-314.4
		Viento +X exc.+	-1.4	36.7	5.6	12.2	2.0	-0.1	-1.4	13.2	5.0	12.2	2.0	27.1
		Viento +X exc.-	-1.1	38.0	4.1	12.7	1.4	-0.0	-1.1	20.1	3.6	12.7	1.4	17.9
		Viento -X exc.+	1.4	-36.7	-5.6	-12.2	-2.0	0.1	1.4	-13.2	-5.0	-12.2	-2.0	-27.1
		Viento -X exc.-	1.1	-38.0	-4.1	-12.7	-1.4	0.0	1.1	-20.1	-3.6	-12.7	-1.4	-17.9
P86 [24.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Viento +Y exc.+	-6.1	29.8	30.0	9.7	10.3	0.3	-6.1	-72.8	27.1	9.7	10.3	168.3
		Viento +Y exc.-	-11.4	8.9	55.0	2.9	18.9	0.1	-11.4	-181.4	49.7	2.9	18.9	314.6
		Viento -Y exc.+	6.1	-29.8	-30.0	-9.7	-10.3	-0.3	6.1	72.8	-27.1	-9.7	-10.3	-168.3
		Viento -Y exc.-	11.4	-8.9	-55.0	-2.9	-18.9	-0.1	11.4	-181.4	-49.7	-2.9	-18.9	-314.6





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	0.0	0.0	-1.6	0.0	-0.4	0.0	0.0	1.2	-1.6	0.0	-0.4	-9.5
		Sobrecarga de uso	253.5	0.2	-34.5	-0.0	-12.9	0.0	253.5	6270.9	83.3	-0.0	-12.9	-320.3
		Viento +X exc.+	-1.2	36.4	5.3	12.2	1.7	-0.1	-1.2	6.4	4.7	12.2	1.7	37.5
		Viento +X exc.-	-1.0	37.7	4.1	12.6	1.4	-0.0	-1.0	13.6	3.7	12.6	1.4	27.7
		Viento -X exc.+	1.2	-36.4	-5.3	-12.2	-1.7	0.1	1.2	-6.4	-4.7	-12.2	-1.7	-37.5
		Viento -X exc.-	1.0	-37.7	-4.1	-12.6	-1.4	0.0	1.0	-13.6	-3.7	-12.6	-1.4	-27.7
		Viento +Y exc.+	-8.3	31.5	37.8	10.2	13.0	0.3	-8.3	-172.8	34.0	10.2	13.0	316.2
		Viento +Y exc.-	-12.1	11.6	55.8	3.6	19.2	0.1	-12.1	-287.1	50.2	3.6	19.2	472.6
		Viento -Y exc.+	8.3	-31.5	-37.8	-10.2	-13.0	-0.3	8.3	172.8	-34.0	-10.2	-13.0	-316.2
		Viento -Y exc.-	12.1	-11.6	-55.8	-3.6	-19.2	-0.1	12.1	-287.1	-50.2	-3.6	-19.2	-472.6
P81 [32.738;3.065;0.0 grados] (60x60)	5.25/10.03	Peso propio	905.4	32.4	-9.2	11.5	-4.1	0.0	905.4	29672	2765.6	11.5	-4.1	-168.0
		Cargas muertas	515.4	8.5	65.4	5.7	11.9	0.0	515.4	16883	1645.1	5.7	11.9	371.2
		H 1	-0.0	0.2	0.1	0.0	0.0	0.0	-0.0	-0.0	0.1	0.0	0.0	0.6
		Sobrecarga de uso	338.2	6.2	-11.8	2.7	-3.3	0.0	338.2	11077	1024.7	2.7	-3.3	-117.0
		Viento +X exc.+	-1.9	58.9	5.5	19.7	1.8	-0.1	-1.9	-3.7	-0.3	19.7	1.8	-1.7
		Viento +X exc.-	-1.8	60.7	4.3	20.4	1.4	-0.1	-1.8	3.2	-1.1	20.4	1.4	-17.3
		Viento -X exc.+	1.9	-58.9	-5.5	-19.7	-1.8	0.1	1.9	3.7	0.3	-19.7	-1.8	1.7
		Viento -X exc.-	1.8	-60.7	-4.3	-20.4	-1.4	0.1	1.8	-3.2	1.1	-20.4	-1.4	17.3
		Viento +Y exc.+	-9.2	44.1	71.8	14.3	24.7	0.4	-9.2	-257.2	43.6	14.3	24.7	764.0
		Viento +Y exc.-	-11.7	15.0	91.2	4.7	31.4	0.1	-11.7	-366.7	55.5	4.7	31.4	1013.4
		Viento -Y exc.+	9.2	-44.1	-71.8	-14.3	-24.7	-0.4	9.2	257.2	-43.6	-14.3	-24.7	-764.0
		Viento -Y exc.-	11.7	-15.0	-91.2	-4.7	-31.4	-0.1	11.7	-366.7	-55.5	-4.7	-31.4	-1013
P82 [40.738;3.065;0.0 grados] (60x60)	5.25/10.03	Peso propio	802.5	-35.0	-20.1	-9.8	-6.2	0.0	802.5	32659	2439.5	-9.8	-6.2	-221.8
		Cargas muertas	269.5	-8.2	56.9	-3.0	9.8	0.0	269.5	10969	882.7	-3.0	9.8	406.9
		H 1	0.0	-0.1	0.2	-0.0	0.0	0.0	0.0	0.9	0.2	-0.0	0.0	1.3
		Sobrecarga de uso	313.5	-8.4	-16.3	-2.5	-4.4	0.0	313.5	12764	944.6	-2.5	-4.4	-173.4
		Viento +X exc.+	0.4	59.2	-0.5	19.8	0.0	-0.1	0.4	74.1	0.7	19.8	0.0	-60.2
		Viento +X exc.-	0.4	61.1	-1.1	20.4	-0.2	-0.1	0.4	78.7	0.2	20.4	-0.2	-71.4
		Viento -X exc.+	-0.4	-59.2	0.5	-19.8	-0.0	0.1	-0.4	-74.1	-0.7	-19.8	-0.0	60.2
		Viento -X exc.-	-0.4	-61.1	1.1	-20.4	0.2	0.1	-0.4	-78.7	-0.2	-20.4	0.2	71.4
		Viento +Y exc.+	-11.8	40.8	82.7	13.6	28.5	0.4	-11.8	-438.3	46.7	13.6	28.5	1118.6
		Viento +Y exc.-	-12.8	10.8	93.7	3.8	32.2	0.1	-12.8	-511.2	54.4	3.8	32.2	1300.1
		Viento -Y exc.+	11.8	-40.8	-82.7	-13.6	-28.5	-0.4	11.8	438.3	-46.7	-13.6	-28.5	-1119
		Viento -Y exc.-	12.8	-10.8	-93.7	-3.8	-32.2	-0.1	12.8	-511.2	-54.4	-3.8	-32.2	-1300
P87a [48.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	652.2	-19.0	-153.0	-7.3	-48.9	0.0	652.2	31770	150.2	-7.3	-48.9	-2381
		Cargas muertas	386.2	-5.4	-41.9	-6.3	-21.0	0.0	386.2	18816	137.6	-6.3	-21.0	-1019
		H 1	0.0	-0.0	-1.3	-0.0	-0.3	0.0	0.0	1.3	-1.3	-0.0	-0.3	-15.7
		Sobrecarga de uso	238.5	-3.6	-43.4	-1.7	-14.9	0.0	238.5	11621	67.5	-1.7	-14.9	-725.4
		Viento +X exc.+	1.8	31.7	-2.3	10.9	-0.7	-0.1	1.8	117.8	-1.5	10.9	-0.7	-38.9
		Viento +X exc.-	1.8	32.9	-2.4	11.3	-0.7	-0.0	1.8	122.3	-1.6	11.3	-0.7	-40.3
		Viento -X exc.+	-1.8	-31.7	2.3	-10.9	0.7	0.1	-1.8	-117.8	1.5	-10.9	0.7	38.9
		Viento -X exc.-	-1.8	-32.9	2.4	-11.3	0.7	0.0	-1.8	-122.3	1.6	-11.3	0.7	40.3
		Viento +Y exc.+	-12.0	23.9	59.0	8.1	20.5	0.3	-12.0	-563.3	53.4	8.1	20.5	994.8
		Viento +Y exc.-	-13.2	5.1	60.5	1.8	21.0	0.1	-13.2	-635.8	54.4	1.8	21.0	1020.4
		Viento -Y exc.+	12.0	-23.9	-59.0	-8.1	-20.5	-0.3	12.0	563.3	-53.4	-8.1	-20.5	-994.8
		Viento -Y exc.-	13.2	-5.1	-60.5	-1.8	-21.0	-0.1	13.2	-635.8	-54.4	-1.8	-21.0	-1020
P88a [56.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	626.2	7.0	-160.4	2.8	-54.7	0.0	626.2	35539	130.7	2.8	-54.7	-3107
		Cargas muertas	231.4	7.3	-27.0	3.9	-14.0	0.0	231.4	13137	80.5	3.9	-14.0	-797.5
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	2.2	-1.4	-0.0	-0.3	-19.1
		Sobrecarga de uso	252.5	1.2	-47.3	0.5	-18.1	0.0	252.5	14329	70.1	0.5	-18.1	-1028
		Viento +X exc.+	-0.2	36.9	-2.1	12.3	-0.7	-0.1	-0.2	28.2	-2.2	12.3	-0.7	-46.6
		Viento +X exc.-	-0.2	38.2	-1.8	12.7	-0.6	-0.0	-0.2	24.3	-1.9	12.7	-0.6	-40.2
		Viento -X exc.+	0.2	-36.9	2.1	-12.3	0.7	0.1	0.2	-28.2	2.2	-12.3	0.7	46.6
		Viento -X exc.-	0.2	-38.2	1.8	-12.7	0.6	0.0	0.2	-24.3	1.9	-12.7	0.6	40.2
		Viento +Y exc.+	-14.2	30.3	72.8	9.9	25.0	0.3	-14.2	-777.9	66.2	9.9	25.0	1414.7
		Viento +Y exc.-	-12.9	9.5	67.9	3.1	23.3	0.1	-12.9	-721.8	61.9	3.1	23.3	1320.6
		Viento -Y exc.+	14.2	-30.3	-72.8	-9.9	-25.0	-0.3	14.2	777.9	-66.2	-9.9	-25.0	-1415
		Viento -Y exc.-	12.9	-9.5	-67.9	-3.1	-23.3	-0.1	12.9	-721.8	-61.9	-3.1	-23.3	-1321
P89a [64.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	611.0	0.4	-156.5	0.4	-54.2	0.0	611.0	39552	127.5	0.4	-54.2	-3509
		Cargas muertas	172.4	-1.6	-14.6	-0.8	-8.2	0.0	172.4	11156	65.5	-0.8	-8.2	-532.5
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	2.4	-1.4	-0.0	-0.3	-22.0
		Sobrecarga de uso	254.2	-0.1	-47.6	0.0	-18.6	0.0	254.2	16459	70.5	0.0	-18.6	-1202
		Viento +X exc.+	0.5	36.4	-3.3	12.1	-1.1	-0.1	0.5	69.8	-3.0	12.1	-1.1	-79.8
		Viento +X exc.-	0.4	37.7	-2.6	12.6	-0.9	-0.0	0.4	60.7	-2.4	12.6	-0.9	-63.8
		Viento -X exc.+	-0.5	-36.4	3.3	-12.1	1.1	0.1	-0.5	-69.8	3.0	-12.1	1.1	79.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	-0.4	-37.7	2.6	-12.6	0.9	0.0	-0.4	-60.7	2.4	-12.6	0.9	63.8
		Viento +Y exc.+	-17.7	29.7	82.1	9.7	28.2	0.3	-17.7	-1116	73.9	9.7	28.2	1822.0
		Viento +Y exc.-	-15.3	9.0	71.0	2.9	24.4	0.1	-15.3	-979.2	63.9	2.9	24.4	1578.5
		Viento -Y exc.+	17.7	-29.7	-82.1	-9.7	-28.2	-0.3	17.7	1115.8	-73.9	-9.7	-28.2	-1822
		Viento -Y exc.-	15.3	-9.0	-71.0	-2.9	-24.4	-0.1	15.3	979.2	-63.9	-2.9	-24.4	-1579
P90a [72.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	603.5	0.1	-159.7	0.2	-55.0	0.0	603.5	43897	120.8	0.2	-55.0	-3997
		Cargas muertas	196.2	0.6	-17.1	0.5	-9.3	0.0	196.2	14272	74.1	0.5	-9.3	-676.0
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	2.7	-1.4	-0.0	-0.3	-24.7
		Sobrecarga de uso	254.9	0.0	-48.3	0.1	-18.7	0.0	254.9	18545	70.2	0.1	-18.7	-1363
		Viento +X exc.+	1.1	36.6	-4.8	12.2	-1.7	-0.1	1.1	118.9	-4.3	12.2	-1.7	-127.0
		Viento +X exc.-	0.9	37.9	-3.7	12.6	-1.3	-0.0	0.9	102.9	-3.3	12.6	-1.3	-99.6
		Viento -X exc.+	-1.1	-36.6	4.8	-12.2	1.7	0.1	-1.1	-118.9	4.3	-12.2	1.7	127.0
		Viento -X exc.-	-0.9	-37.9	3.7	-12.6	1.3	0.0	-0.9	-102.9	3.3	-12.6	1.3	99.6
		Viento +Y exc.+	-19.3	29.8	90.6	9.8	31.1	0.3	-19.3	-1371	81.7	9.8	31.1	2259.9
		Viento +Y exc.-	-15.6	9.1	73.5	3.0	25.3	0.1	-15.6	-1128	66.3	3.0	25.3	1837.3
		Viento -Y exc.+	19.3	-29.8	-90.6	-9.8	-31.1	-0.3	19.3	1371.0	-81.7	-9.8	-31.1	-2260
		Viento -Y exc.-	15.6	-9.1	-73.5	-3.0	-25.3	-0.1	15.6	1128.3	-66.3	-3.0	-25.3	-1837
P91a [80.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	623.7	-1.2	-160.7	-0.4	-55.3	0.0	623.7	50357	129.2	-0.4	-55.3	-4466
		Cargas muertas	243.1	-2.8	-23.4	-1.3	-12.7	0.0	243.1	19626	89.6	-1.3	-12.7	-1027
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	3.3	-1.4	-0.0	-0.3	-27.9
		Sobrecarga de uso	256.3	-0.2	-48.0	-0.1	-18.5	0.0	256.3	20693	71.2	-0.1	-18.5	-1493
		Viento +X exc.+	1.3	36.8	-6.1	12.2	-2.1	-0.1	1.3	142.1	-5.5	12.2	-2.1	-178.9
		Viento +X exc.-	1.0	38.1	-4.7	12.7	-1.6	-0.0	1.0	118.3	-4.2	12.7	-1.6	-138.2
		Viento -X exc.+	-1.3	-36.8	6.1	-12.2	2.1	0.1	-1.3	-142.1	5.5	-12.2	2.1	178.9
		Viento -X exc.-	-1.0	-38.1	4.7	-12.7	1.6	0.0	-1.0	-118.3	4.2	-12.7	1.6	138.2
		Viento +Y exc.+	-20.4	30.0	98.4	9.8	33.8	0.3	-20.4	-1615	88.9	9.8	33.8	2720.8
		Viento +Y exc.-	-15.6	9.1	75.5	3.0	25.9	0.1	-15.6	-1252	68.2	3.0	25.9	2091.6
		Viento -Y exc.+	20.4	-30.0	-98.4	-9.8	-33.8	-0.3	20.4	1614.8	-88.9	-9.8	-33.8	-2721
		Viento -Y exc.-	15.6	-9.1	-75.5	-3.0	-25.9	-0.1	15.6	1251.8	-68.2	-3.0	-25.9	-2092
P92a [88.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	644.6	2.0	-164.3	0.7	-56.6	0.0	644.6	57206	135.4	0.7	-56.6	-5020
		Cargas muertas	294.0	2.3	-28.3	1.1	-15.6	0.0	294.0	26091	108.3	1.1	-15.6	-1387
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	3.2	-1.4	-0.0	-0.3	-30.6
		Sobrecarga de uso	261.3	0.1	-49.7	0.0	-18.9	0.0	261.3	23188	71.7	0.0	-18.9	-1679
		Viento +X exc.+	1.5	37.4	-7.4	12.4	-2.6	-0.1	1.5	168.4	-6.8	12.4	-2.6	-236.3
		Viento +X exc.-	1.1	38.8	-5.6	12.8	-2.0	-0.0	1.1	138.9	-5.1	12.8	-2.0	-180.6
		Viento -X exc.+	-1.5	-37.4	7.4	-12.4	2.6	0.1	-1.5	-168.4	6.8	-12.4	2.6	236.3
		Viento -X exc.-	-1.1	-38.8	5.6	-12.8	2.0	0.0	-1.1	-138.9	5.1	-12.8	2.0	180.6
		Viento +Y exc.+	-20.0	30.3	106.5	9.9	36.3	0.3	-20.0	-1743	97.3	9.9	36.3	3220.3
		Viento +Y exc.-	-14.7	9.2	77.8	3.0	26.6	0.1	-14.7	-1292	71.0	3.0	26.6	2356.1
		Viento -Y exc.+	20.0	-30.3	-106.5	-9.9	-36.3	-0.3	20.0	1742.6	-97.3	-9.9	-36.3	-3220
		Viento -Y exc.-	14.7	-9.2	-77.8	-3.0	-26.6	-0.1	14.7	1291.9	-71.0	-3.0	-26.6	-2356
P93a [96.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	625.8	1.7	-163.4	0.4	-56.2	0.0	625.8	60536	127.5	0.4	-56.2	-5437
		Cargas muertas	213.4	1.7	-21.0	0.5	-11.6	0.0	213.4	20642	78.2	0.5	-11.6	-1119
		H 1	0.0	0.0	-1.4	-0.0	-0.3	0.0	0.0	3.9	-1.4	-0.0	-0.3	-33.7
		Sobrecarga de uso	257.3	-1.0	-55.9	-0.3	-20.6	0.0	257.3	24889	63.7	-0.3	-20.6	-1992
		Viento +X exc.+	1.4	36.7	-8.4	12.2	-3.0	-0.1	1.4	175.2	-7.8	12.2	-3.0	-292.2
		Viento +X exc.-	1.1	38.1	-6.3	12.7	-2.2	-0.0	1.1	143.7	-5.8	12.7	-2.2	-221.9
		Viento -X exc.+	-1.4	-36.7	8.4	-12.2	3.0	0.1	-1.4	-175.2	7.8	-12.2	3.0	292.2
		Viento -X exc.-	-1.1	-38.1	6.3	-12.7	2.2	0.0	-1.1	-143.7	5.8	-12.7	2.2	221.9
		Viento +Y exc.+	-17.4	29.8	110.3	9.7	37.7	0.3	-17.4	-1653	102.2	9.7	37.7	3643.2
		Viento +Y exc.-	-12.2	9.0	77.0	2.9	26.4	0.1	-12.2	-1172	71.4	2.9	26.4	2549.3
		Viento -Y exc.+	17.4	-29.8	-110.3	-9.7	-37.7	-0.3	17.4	1653.4	-102.2	-9.7	-37.7	-3643
		Viento -Y exc.-	12.2	-9.0	-77.0	-2.9	-26.4	-0.1	12.2	1171.7	-71.4	-2.9	-26.4	-2549
P94a [104.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	624.1	3.9	-169.3	1.3	-57.7	0.0	624.1	65376	120.8	1.3	-57.7	-6046
		Cargas muertas	222.6	2.2	-20.8	0.7	-11.1	0.0	222.6	23320	82.7	0.7	-11.1	-1160
		H 1	0.0	0.0	-1.4	0.0	-0.3	0.0	0.0	2.3	-1.4	0.0	-0.3	-36.3
		Sobrecarga de uso	256.2	1.0	-63.0	0.3	-22.4	0.0	256.2	26833	56.1	0.3	-22.4	-2351
		Viento +X exc.+	1.7	36.4	-9.8	12.1	-3.4	-0.1	1.7	216.8	-9.0	12.1	-3.4	-362.5
		Viento +X exc.-	1.4	37.7	-7.4	12.6	-2.6	-0.0	1.4	180.9	-6.7	12.6	-2.6	-275.5
		Viento -X exc.+	-1.7	-36.4	9.8	-12.1	3.4	0.1	-1.7	-216.8	9.0	-12.1	3.4	362.5
		Viento -X exc.-	-1.4	-37.7	7.4	-12.6	2.6	0.0	-1.4	-180.9	6.7	-12.6	2.6	275.5
		Viento +Y exc.+	-16.8	29.7	115.8	9.7	39.6	0.3	-16.8	-1729	108.0	9.7	39.6	4139.6
		Viento +Y exc.-	-11.4	9.0	77.7	2.9	26.6	0.1	-11.4	-1180	72.5	2.9	26.6	2782.3
		Viento -Y exc.+	16.8	-29.7	-115.8	-9.7	-39.6	-0.3	16.8	1729.0	-108.0	-9.7	-39.6	-4140
		Viento -Y exc.-	11.4	-9.0	-77.7	-2.9	-26.6	-0.1	11.4	1179.8	-72.5	-2.9	-26.6	-2782



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. primera +5.35														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=5.25)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P95a [112.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	640.9	-2.0	-167.8	-0.8	-57.3	0.0	640.9	72257	130.1	-0.8	-57.3	-6463
		Cargas muertas	196.8	3.0	-19.5	0.9	-8.8	0.0	196.8	22190	72.0	0.9	-8.8	-994.7
		H 1	0.1	-0.0	-1.4	-0.0	-0.3	0.0	0.1	11.9	-1.3	-0.0	-0.3	-38.2
		Sobrecarga de uso	274.9	-1.6	-63.5	-0.6	-22.7	0.0	274.9	30987	64.2	-0.6	-22.7	-2560
		Viento +X exc.+	-0.1	37.6	-10.5	12.5	-3.7	-0.1	-0.1	25.2	-10.5	12.5	-3.7	-422.3
		Viento +X exc.-	-0.5	39.0	-7.8	12.9	-2.8	-0.0	-0.5	-18.6	-8.0	12.9	-2.8	-317.4
		Viento -X exc.+	0.1	-37.6	10.5	-12.5	3.7	0.1	0.1	-25.2	10.5	-12.5	3.7	422.3
		Viento -X exc.-	0.5	-39.0	7.8	-12.9	2.8	0.0	0.5	18.6	8.0	-12.9	2.8	317.4
		Viento +Y exc.+	-16.3	30.6	120.6	10.0	41.3	0.3	-16.3	-1812	113.0	10.0	41.3	4648.4
		Viento +Y exc.-	-10.2	9.4	78.0	3.0	26.7	0.1	-10.2	-1141	73.3	3.0	26.7	3010.3
		Viento -Y exc.+	16.3	-30.6	-120.6	-10.0	-41.3	-0.3	16.3	1811.8	-113.0	-10.0	-41.3	-4648
		Viento -Y exc.-	10.2	-9.4	-78.0	-3.0	-26.7	-0.1	10.2	1141.1	-73.3	-3.0	-26.7	-3010
P96a [120.738;0.465;0.0 grados] (Diámetro 60)	5.25/10.03	Peso propio	454.2	44.6	-149.5	15.0	-51.8	0.0	454.2	54883	61.6	15.0	-51.8	-6267
		Cargas muertas	154.5	-7.1	-55.0	-0.8	-16.5	0.0	154.5	18643	16.8	-0.8	-16.5	-1986
		H 1	-0.0	0.1	-0.3	0.0	-0.1	0.0	-0.0	-4.4	-0.3	0.0	-0.1	-8.0
		Sobrecarga de uso	172.9	19.2	-51.6	6.8	-19.2	0.0	172.9	20899	28.8	6.8	-19.2	-2319
		Viento +X exc.+	6.4	29.3	-11.3	10.2	-4.0	-0.1	6.4	797.0	-8.3	10.2	-4.0	-489.5
		Viento +X exc.-	6.3	30.4	-8.6	10.6	-3.1	-0.0	6.3	785.4	-5.7	10.6	-3.1	-376.1
		Viento -X exc.+	-6.4	-29.3	11.3	-10.2	4.0	0.1	-6.4	-797.0	8.3	-10.2	4.0	489.5
		Viento -X exc.-	-6.3	-30.4	8.6	-10.6	3.1	0.0	-6.3	-785.4	5.7	-10.6	3.1	376.1
		Viento +Y exc.+	-7.6	23.8	112.9	8.1	39.6	0.3	-7.6	-893.2	109.4	8.1	39.6	4776.5
		Viento +Y exc.-	-6.0	7.0	70.7	2.4	24.8	0.1	-6.0	-720.7	67.9	2.4	24.8	2993.8
		Viento -Y exc.+	7.6	-23.8	-112.9	-8.1	-39.6	-0.3	7.6	893.2	-109.4	-8.1	-39.6	-4776
		Viento -Y exc.-	6.0	-7.0	-70.7	-2.4	-24.8	-0.1	6.0	720.7	-67.9	-2.4	-24.8	-2994
M12 [32.588;36.503] (e=30.0 cm)	5.25/10.60	Peso propio	2382.0	-30.3	-85.5	-11.3	19.0	-3.1	2382.0	77593	86863	-11.3	19.0	1031.3
		Cargas muertas	741.6	-9.4	-11.6	-4.0	-24.2	-1.8	741.6	24157	27058	-4.0	-24.2	-645.7
		H 1	0.5	0.0	-1.7	0.0	-0.6	-0.0	0.5	16.3	16.5	0.0	-0.6	-20.0
		Sobrecarga de uso	771.9	-7.6	-34.1	-3.2	-8.8	-1.0	771.9	25146	28142	-3.2	-8.8	-170.3
		Viento +X exc.+	-143.4	29.8	59.2	10.2	101.3	1.0	-143.4	-4644	-5176	10.2	101.3	2932.7
		Viento +X exc.-	-128.9	29.4	23.4	10.1	90.0	1.0	-128.9	-4172	-4683	10.1	90.0	2563.5
		Viento -X exc.+	143.4	-29.8	-59.2	-10.2	-101.3	-1.0	143.4	4643.8	5176.0	-10.2	-101.3	-2933
		Viento -X exc.-	128.9	-29.4	-23.4	-10.1	-90.0	-1.0	128.9	4172.2	4682.9	-10.1	-90.0	-2563
		Viento +Y exc.+	-702.1	-8.9	2139.9	-7.3	438.4	5.3	-702.1	-22889	-23488	-7.3	438.4	14557
		Viento +Y exc.-	-947.0	-2.8	2741.6	-6.9	597.0	4.9	-947.0	-30864	-31827	-6.9	597.0	19712
		Viento -Y exc.+	702.1	8.9	-2140	7.3	-438.4	-5.3	702.1	22889	23488	7.3	-438.4	-14557
		Viento -Y exc.-	947.0	2.8	-2742	6.9	-597.0	-4.9	947.0	30864	31827	6.9	-597.0	-19712
M15 [40.825;36.503] (e=30.0 cm)	5.25/10.60	Peso propio	2299.2	36.7	-59.3	14.5	52.8	5.7	2299.2	93900	83866	14.5	52.8	1631.0
		Cargas muertas	702.4	13.2	6.0	5.5	-14.6	2.7	702.4	28690	25646	5.5	-14.6	-794.5
		H 1	1.6	0.0	-1.9	-0.0	-1.0	0.0	1.6	63.5	54.8	-0.0	-1.0	-41.7
		Sobrecarga de uso	724.0	9.3	-25.4	3.9	-4.8	1.6	724.0	29567	26402	3.9	-4.8	-337.0
		Viento +X exc.+	87.8	30.8	77.6	10.5	-15.1	1.6	87.8	3614.8	3282.1	10.5	-15.1	-998.2
		Viento +X exc.-	93.1	30.4	58.0	10.4	-17.6	1.8	93.1	3831.5	3456.6	10.4	-17.6	-1094
		Viento -X exc.+	-87.8	-30.8	-77.6	-10.5	15.1	-1.6	-87.8	-3615	-3282	-10.5	15.1	998.2
		Viento -X exc.-	-93.1	-30.4	-58.0	-10.4	17.6	-1.8	-93.1	-3831	-3457	-10.4	17.6	1093.6
		Viento +Y exc.+	-991.3	-8.3	2551.2	2.7	665.3	-1.8	-991.3	-40480	-33635	2.7	665.3	27059
		Viento +Y exc.-	-1084	-1.7	2885.0	5.2	703.1	-3.7	-1084	-44270	-36696	5.2	703.1	28507
		Viento -Y exc.+	991.3	8.3	-2551	-2.7	-665.3	1.8	991.3	40480	33635	-2.7	-665.3	-27059
		Viento -Y exc.-	1084.3	1.7	-2885	-5.2	-703.1	3.7	1084.3	44270	36696	-5.2	-703.1	-28507
Sumatorio		Peso propio							149867	9127495	4529284	-0.1	15.1	540.5
		Cargas muertas							74584	4533101	2349823	-0.0	9.3	336.2
		H 1							-0.1	-4.2	-3.8	-0.0	0.2	7.5
		Sobrecarga de uso							56021	3428897	1706344	-0.0	7.6	276.7
		Viento +X exc.+							1.1	20987	35.8	1198.1	-3.7	-41826
		Viento +X exc.-							0.5	20967	15.8	1198.2	-3.2	-38882
		Viento -X exc.+							-1.1	-20987	-35.8	-1198	3.7	41826
		Viento -X exc.-							-0.5	-20967	-15.8	-1198	3.2	38882
		Viento +Y exc.+							55.2	2094.6	69070	2.4	3807.6	254380
		Viento +Y exc.-							66.4	2475.2	69446	0.8	3800.2	209635
		Viento -Y exc.+							-55.2	-2095	-69070	-2.4	-3808	-254380
		Viento -Y exc.-							-66.4	-2475	-69446	-0.8	-3800	-209635



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.738;44.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1436.7	-16.9	15.9	-10.9	9.7	0.0	1436.7	1043.2	64617	-10.9	9.7	496.9
		Cargas muertas	1331.8	1.0	-9.6	-0.3	-4.7	0.0	1331.8	983.6	59873	-0.3	-4.7	9.4
		H 1	-0.4	0.8	-1.1	0.1	-0.3	0.0	-0.4	0.5	-20.6	0.1	-0.3	-6.3
		Sobrecarga de uso	485.3	-6.3	4.2	-4.0	2.6	0.0	485.3	351.7	21825	-4.0	2.6	183.3
		Viento +X exc.+	-37.2	54.7	13.0	13.2	3.2	-0.1	-37.2	27.2	-1659	13.2	3.2	-589.3
		Viento +X exc.-	-40.3	53.3	9.9	12.8	2.4	-0.0	-40.3	23.5	-1803	12.8	2.4	-574.6
		Viento -X exc.+	37.2	-54.7	-13.0	-13.2	-3.2	0.1	37.2	-27.2	1659.0	-13.2	-3.2	589.3
		Viento -X exc.-	40.3	-53.3	-9.9	-12.8	-2.4	0.0	40.3	-23.5	1802.9	-12.8	-2.4	574.6
		Viento +Y exc.+	68.9	-26.8	18.4	-6.4	5.4	0.2	68.9	24.1	3118.1	-6.4	5.4	291.0
		Viento +Y exc.-	121.2	-6.8	63.1	-1.6	16.8	0.1	121.2	82.6	5511.8	-1.6	16.8	85.9
		Viento -Y exc.+	-68.9	26.8	-18.4	6.4	-5.4	-0.2	-68.9	-24.1	-3118	6.4	-5.4	-291.0
		Viento -Y exc.-	-121.2	6.8	-63.1	1.6	-16.8	-0.1	-121.2	-82.6	-5512	1.6	-16.8	-85.9
P2 [8.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1925.5	0.8	32.1	0.6	12.4	0.0	1925.5	16825	86609	0.6	12.4	82.7
		Cargas muertas	1403.6	-1.3	-3.0	-0.7	-5.9	0.0	1403.6	12263	63108	-0.7	-5.9	-20.6
		H 1	0.0	-0.1	-9.3	-0.0	-2.4	0.0	0.0	0.1	-8.3	-0.0	-2.4	-19.6
		Sobrecarga de uso	710.6	0.0	10.9	0.0	4.2	0.0	710.6	6209.1	31962	0.0	4.2	34.3
		Viento +X exc.+	12.4	38.7	6.5	11.1	1.8	-0.0	12.4	146.9	563.2	11.1	1.8	-482.9
		Viento +X exc.-	8.3	37.8	5.0	10.8	1.4	-0.0	8.3	110.0	376.7	10.8	1.4	-474.1
		Viento -X exc.+	-12.4	-38.7	-6.5	-11.1	-1.8	0.0	-12.4	-146.9	-563.2	-11.1	-1.8	482.9
		Viento -X exc.-	-8.3	-37.8	-5.0	-10.8	-1.4	0.0	-8.3	-110.0	-376.7	-10.8	-1.4	474.1
		Viento +Y exc.+	81.2	-19.4	17.7	-5.5	5.4	0.2	81.2	690.4	3670.6	-5.5	5.4	294.2
		Viento +Y exc.-	149.7	-5.6	40.6	-1.6	11.7	0.0	149.7	1302.1	6770.1	-1.6	11.7	172.9
		Viento -Y exc.+	-81.2	19.4	-17.7	5.5	-5.4	-0.2	-81.2	-690.4	-3671	5.5	-5.4	-294.2
		Viento -Y exc.-	-149.7	5.6	-40.6	1.6	-11.7	-0.0	-149.7	-1302	-6770	1.6	-11.7	-172.9
P3 [16.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1893.6	-2.1	32.7	-1.1	12.5	0.0	1893.6	31693	85178	-1.1	12.5	260.1
		Cargas muertas	1410.4	-2.8	-5.3	-1.5	-7.3	0.0	1410.4	23604	63412	-1.5	-7.3	-53.3
		H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	-3.7	-18.7	-0.1	-2.4	-37.1
		Sobrecarga de uso	691.5	-0.7	11.0	-0.4	4.2	0.0	691.5	11573	31103	-0.4	4.2	86.2
		Viento +X exc.+	6.6	38.5	5.5	11.0	1.7	-0.0	6.6	148.7	301.5	11.0	1.7	-464.8
		Viento +X exc.-	3.3	37.5	4.2	10.7	1.3	-0.0	3.3	93.4	154.4	10.7	1.3	-458.4
		Viento -X exc.+	-6.6	-38.5	-5.5	-11.0	-1.7	0.0	-6.6	-148.7	-301.5	-11.0	-1.7	464.8
		Viento -X exc.-	-3.3	-37.5	-4.2	-10.7	-1.3	0.0	-3.3	-93.4	-154.4	-10.7	-1.3	458.4
		Viento +Y exc.+	91.5	-19.1	24.1	-5.3	7.2	0.2	91.5	1511.8	4136.7	-5.3	7.2	359.1
		Viento +Y exc.-	145.4	-5.2	43.1	-1.3	12.5	0.0	145.4	2427.6	6578.7	-1.3	12.5	270.6
		Viento -Y exc.+	-91.5	19.1	-24.1	5.3	-7.2	-0.2	-91.5	-1512	-4137	5.3	-7.2	-359.1
		Viento -Y exc.-	-145.4	5.2	-43.1	1.3	-12.5	-0.0	-145.4	-2428	-6579	1.3	-12.5	-270.6
P4 [24.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1919.8	-2.1	34.7	-1.1	13.6	0.0	1919.8	47489	86356	-1.1	13.6	387.8
		Cargas muertas	1425.1	-1.9	-3.9	-1.0	-6.4	0.0	1425.1	35252	64075	-1.0	-6.4	-112.3
		H 1	-0.2	-0.1	-9.2	-0.1	-2.4	0.0	-0.2	-4.5	-17.1	-0.1	-2.4	-56.9
		Sobrecarga de uso	705.5	-0.8	12.0	-0.4	4.7	0.0	705.5	17452	31735	-0.4	4.7	135.0
		Viento +X exc.+	7.2	38.8	4.1	11.2	1.3	-0.0	7.2	216.4	326.9	11.2	1.3	-470.4
		Viento +X exc.-	4.5	37.8	3.2	10.9	1.0	-0.0	4.5	150.4	207.7	10.9	1.0	-464.3
		Viento -X exc.+	-7.2	-38.8	-4.1	-11.2	-1.3	0.0	-7.2	-216.4	-326.9	-11.2	-1.3	470.4
		Viento -X exc.-	-4.5	-37.8	-3.2	-10.9	-1.0	0.0	-4.5	-150.4	-207.7	-10.9	-1.0	464.3
		Viento +Y exc.+	110.7	-19.5	29.4	-5.5	8.4	0.2	110.7	2719.2	5007.3	-5.5	8.4	456.5
		Viento +Y exc.-	154.5	-5.5	43.4	-1.5	12.3	0.0	154.5	3816.3	6990.2	-1.5	12.3	374.0
		Viento -Y exc.+	-110.7	19.5	-29.4	5.5	-8.4	-0.2	-110.7	-2719	-5007	5.5	-8.4	-456.5
		Viento -Y exc.-	-154.5	5.5	-43.4	1.5	-12.3	-0.0	-154.5	-3816	-6990	1.5	-12.3	-374.0
P5 [32.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1865.4	-2.1	34.5	-1.1	13.1	0.0	1865.4	61066	83910	-1.1	13.1	480.2
		Cargas muertas	1403.4	-3.1	-4.6	-1.7	-6.9	0.0	1403.4	45942	63099	-1.7	-6.9	-147.4
		H 1	-0.2	-0.2	-9.1	-0.1	-2.4	0.0	-0.2	-6.3	-17.5	-0.1	-2.4	-74.7
		Sobrecarga de uso	681.0	-0.7	11.8	-0.4	4.5	0.0	681.0	22295	30635	-0.4	4.5	162.9
		Viento +X exc.+	7.7	38.7	2.9	11.1	0.9	-0.0	7.7	291.8	350.6	11.1	0.9	-467.0
		Viento +X exc.-	4.6	37.7	2.2	10.8	0.7	-0.0	4.6	189.1	210.2	10.8	0.7	-461.3
		Viento -X exc.+	-7.7	-38.7	-2.9	-11.1	-0.9	0.0	-7.7	-291.8	-350.6	-11.1	-0.9	467.0
		Viento -X exc.-	-4.6	-37.7	-2.2	-10.8	-0.7	0.0	-4.6	-189.1	-210.2	-10.8	-0.7	461.3
		Viento +Y exc.+	202.6	-19.4	38.4	-5.5	11.5	0.2	202.6	6613.1	9148.0	-5.5	11.5	624.8
		Viento +Y exc.-	254.7	-5.5	48.9	-1.5	14.7	0.0	254.7	8332.8	11501	-1.5	14.7	548.5
		Viento -Y exc.+	-202.6	19.4	-38.4	5.5	-11.5	-0.2	-202.6	-6613	-9148	5.5	-11.5	-624.8
		Viento -Y exc.-	-254.7	5.5	-48.9	1.5	-14.7	-0.0	-254.7	-8333	-11501	1.5	-14.7	-548.5
P6 [40.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1835.4	0.9	35.0	0.6	13.1	0.0	1835.4	74770	82561	0.6	13.1	506.0
		Cargas muertas	1389.4	1.2	-5.0	0.8	-7.3	0.0	1389.4	56604	62470	0.8	-7.3	-329.2
		H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	-7.5	-17.3	-0.1	-2.4	-95.4
		Sobrecarga de uso	670.7	0.0	11.9	0.1	4.5	0.0	670.7	27323	30169	0.1	4.5	178.1
		Viento +X exc.+	-2.0	39.4	1.2	11.5	0.3	-0.0	-2.0	-43.6	-90.5	11.5	0.3	-503.1
		Viento +X exc.-	-3.8	38.4	0.8	11.2	0.2	-0.0	-3.8	-117.8	-171.7	11.2	0.2	-494.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -X exc.+	2.0	-39.4	-1.2	-11.5	-0.3	0.0	2.0	43.6	90.5	-11.5	-0.3	503.1	
		Viento -X exc.-	3.8	-38.4	-0.8	-11.2	-0.2	0.0	3.8	117.8	171.7	-11.2	-0.2	494.6	
		Viento +Y exc.+	221.7	-19.6	45.2	-5.6	13.5	0.2	221.7	9013.8	10016	-5.6	13.5	804.2	
		Viento +Y exc.-	251.5	-5.4	51.0	-1.5	15.3	0.0	251.5	10239	11359	-1.5	15.3	688.9	
		Viento -Y exc.+	-221.7	19.6	-45.2	5.6	-13.5	-0.2	-221.7	-9014	-10016	5.6	-13.5	-804.2	
		Viento -Y exc.-	-251.5	5.4	-51.0	1.5	-15.3	-0.0	-251.5	-10239	-11359	1.5	-15.3	-688.9	
P7 [48.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	2042.1	-8.5	35.8	-4.8	13.5	0.0	2042.1	99518	91857	-4.8	13.5	874.6	
		Cargas muertas	1450.1	-8.0	-2.1	-4.6	-5.5	0.0	1450.1	70668	65202	-4.6	-5.5	-63.6	
		H I	-0.2	-0.1	-9.0	-0.0	-2.3	0.0	-0.2	-9.8	-17.9	-0.0	-2.3	-112.2	
		Sobrecarga de uso	727.8	-2.2	12.0	-1.2	4.5	0.0	727.8	35468	32736	-1.2	4.5	275.8	
		Viento +X exc.+	12.4	36.8	-0.1	10.0	-0.0	-0.0	12.4	641.6	557.9	10.0	-0.0	-449.3	
		Viento +X exc.-	11.8	35.9	-0.1	9.7	-0.0	-0.0	11.8	611.6	531.0	9.7	-0.0	-438.6	
		Viento -X exc.+	-12.4	-36.8	0.1	-10.0	0.0	0.0	-12.4	-641.6	-557.9	-10.0	0.0	449.3	
		Viento -X exc.-	-11.8	-35.9	0.1	-9.7	0.0	0.0	-11.8	-611.6	-531.0	-9.7	0.0	438.6	
		Viento +Y exc.+	148.8	-18.4	48.5	-4.9	13.8	0.2	148.8	7232.2	6737.8	-4.9	13.8	895.0	
		Viento +Y exc.-	158.7	-5.1	49.6	-1.3	14.2	0.0	158.7	7728.1	7184.1	-1.3	14.2	749.1	
		Viento -Y exc.+	-148.8	18.4	-48.5	4.9	-13.8	-0.2	-148.8	-7232	-6738	4.9	-13.8	-895.0	
		Viento -Y exc.-	-158.7	5.1	-49.6	1.3	-14.2	-0.0	-158.7	-7728	-7184	1.3	-14.2	-749.1	
P8 [56.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1868.9	0.5	34.3	0.4	12.6	0.0	1868.9	106036	84067	0.4	12.6	699.3	
		Cargas muertas	1402.1	-0.7	-3.2	-0.4	-6.6	0.0	1402.1	79551	63042	-0.4	-6.6	-358.5	
		H I	-0.2	-0.1	-9.1	-0.1	-2.4	0.0	-0.2	-12.0	-18.5	-0.1	-2.4	-132.6	
		Sobrecarga de uso	685.9	-0.2	11.7	-0.1	4.4	0.0	685.9	38914	30851	-0.1	4.4	252.4	
		Viento +X exc.+	-12.1	39.3	-1.6	11.4	-0.5	-0.0	-12.1	-646.7	-545.3	11.4	-0.5	-541.1	
		Viento +X exc.-	-11.6	38.4	-1.3	11.2	-0.4	-0.0	-11.6	-621.2	-524.0	11.2	-0.4	-523.7	
		Viento -X exc.+	12.1	-39.3	1.6	-11.4	0.5	0.0	12.1	646.7	545.3	-11.4	0.5	541.1	
		Viento -X exc.-	11.6	-38.4	1.3	-11.2	0.4	0.0	11.6	621.2	524.0	-11.2	0.4	523.7	
		Viento +Y exc.+	160.9	-19.8	55.9	-5.7	16.3	0.2	160.9	9110.7	7291.8	-5.7	16.3	1180.1	
		Viento +Y exc.-	153.5	-5.7	52.3	-1.6	15.3	0.0	153.5	8702.1	6953.3	-1.6	15.3	940.6	
		Viento -Y exc.+	-160.9	19.8	-55.9	5.7	-16.3	-0.2	-160.9	-9111	-7292	5.7	-16.3	-1180	
		Viento -Y exc.-	-153.5	5.7	-52.3	1.6	-15.3	-0.0	-153.5	-8702	-6953	1.6	-15.3	-940.6	
P9 [64.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1875.6	-1.7	35.4	-0.9	12.9	0.0	1875.6	121418	84369	-0.9	12.9	878.6	
		Cargas muertas	1420.6	-1.8	-3.5	-1.0	-6.8	0.0	1420.6	91963	63872	-1.0	-6.8	-394.9	
		H I	-0.2	-0.1	-9.5	-0.1	-2.5	0.0	-0.2	-14.3	-19.3	-0.1	-2.5	-157.0	
		Sobrecarga de uso	697.9	-0.6	12.2	-0.3	4.5	0.0	697.9	45177	31391	-0.3	4.5	306.7	
		Viento +X exc.+	-2.1	39.3	-2.8	11.4	-0.7	-0.0	-2.1	-98.8	-98.7	11.4	-0.7	-562.1	
		Viento +X exc.-	-1.2	38.3	-2.2	11.1	-0.6	-0.0	-1.2	-36.7	-54.3	11.1	-0.6	-538.2	
		Viento -X exc.+	2.1	-39.3	2.8	-11.4	0.7	0.0	2.1	98.8	98.7	-11.4	0.7	562.1	
		Viento -X exc.-	1.2	-38.3	2.2	-11.1	0.6	0.0	1.2	36.7	54.3	-11.1	0.6	538.2	
		Viento +Y exc.+	169.3	-19.8	62.1	-5.7	17.9	0.2	169.3	10944	7676.8	-5.7	17.9	1417.1	
		Viento +Y exc.-	153.2	-5.7	54.0	-1.6	15.7	0.0	153.2	9909.2	6940.5	-1.6	15.7	1087.7	
		Viento -Y exc.+	-169.3	19.8	-62.1	5.7	-17.9	-0.2	-169.3	-10944	-7677	5.7	-17.9	-1417	
		Viento -Y exc.-	-153.2	5.7	-54.0	1.6	-15.7	-0.0	-153.2	-9909	-6940	1.6	-15.7	-1088	
P10 [72.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1889.7	-0.8	36.9	-0.4	13.6	0.0	1889.7	137454	85008	-0.4	13.6	1005.0	
		Cargas muertas	1426.2	-1.0	-1.4	-0.5	-5.8	0.0	1426.2	103738	64127	-0.5	-5.8	-397.0	
		H I	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	-15.8	-18.9	-0.1	-2.4	-172.2	
		Sobrecarga de uso	698.9	-0.4	12.6	-0.2	4.7	0.0	698.9	50839	31440	-0.2	4.7	351.8	
		Viento +X exc.+	-1.7	39.3	-4.0	11.5	-1.1	-0.0	-1.7	-80.8	-78.3	11.5	-1.1	-594.0	
		Viento +X exc.-	0.0	38.3	-3.1	11.2	-0.8	-0.0	0.0	39.1	-2.7	11.2	-0.8	-562.5	
		Viento -X exc.+	1.7	-39.3	4.0	-11.5	1.1	0.0	1.7	80.8	78.3	-11.5	1.1	594.0	
		Viento -X exc.-	-0.0	-38.3	3.1	-11.2	0.8	0.0	-0.0	-39.1	2.7	-11.2	0.8	562.5	
		Viento +Y exc.+	184.8	-19.6	67.7	-5.6	19.3	0.2	184.8	13426	8379.3	-5.6	19.3	1653.6	
		Viento +Y exc.-	157.1	-5.5	55.2	-1.5	15.8	0.0	157.1	11422	7119.2	-1.5	15.8	1219.0	
		Viento -Y exc.+	-184.8	19.6	-67.7	5.6	-19.3	-0.2	-184.8	-13426	-8379	5.6	-19.3	-1654	
		Viento -Y exc.-	-157.1	5.5	-55.2	1.5	-15.8	-0.0	-157.1	-11422	-7119	1.5	-15.8	-1219	
P11 [80.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1880.1	-0.6	38.7	-0.3	14.4	0.0	1880.1	151795	84577	-0.3	14.4	1171.0	
		Cargas muertas	1422.8	-0.1	-0.9	0.0	-5.7	0.0	1422.8	114878	63977	0.0	-5.7	-456.5	
		H I	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	-16.5	-18.4	-0.1	-2.4	-192.3	
		Sobrecarga de uso	697.9	-0.3	13.2	-0.1	5.0	0.0	697.9	56350	31396	-0.1	5.0	408.2	
		Viento +X exc.+	-4.1	39.6	-5.4	11.6	-1.5	-0.0	-4.1	-288.4	-188.0	11.6	-1.5	-641.0	
		Viento +X exc.-	-1.8	38.6	-4.1	11.3	-1.1	-0.0	-1.8	-103.6	-83.4	11.3	-1.1	-600.2	
		Viento -X exc.+	4.1	-39.6	5.4	-11.6	1.5	0.0	4.1	288.4	188.0	-11.6	1.5	641.0	
		Viento -X exc.-	1.8	-38.6	4.1	-11.3	1.1	0.0	1.8	103.6	83.4	-11.3	1.1	600.2	
		Viento +Y exc.+	191.8	-20.2	73.2	-5.9	20.6	0.2	191.8	15469	8699.3	-5.9	20.6	1934.3	
		Viento +Y exc.-	153.4	-5.9	56.5	-1.7	16.0	0.0	153.4	12379	6953.9	-1.7	16.0	1369.9	
		Viento -Y exc.+	-191.8	20.2	-73.2	5.9	-20.6	-0.2	-191.8	-15469	-8699	5.9	-20.6	-1934	
		Viento -Y exc.-	-153.4	5.9	-56.5	1.7	-16.0	-0.0	-153.4	-12379	-6954	1.7	-16.0	-1370	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P12 [88.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1885.5	1.0	38.7	0.7	14.1	0.0	1885.5	167315	84818	0.7	14.1	1222.0	
		Cargas muertas	1427.2	1.3	-0.4	0.8	-5.5	0.0	1427.2	126650	64174	0.8	-5.5	-524.5	
		H 1	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	-18.6	-18.6	-0.1	-2.4	-211.6	
		Sobrecarga de uso	698.1	0.3	13.1	0.2	4.9	0.0	698.1	61947	31402	0.2	4.9	424.7	
		Viento +X exc.+	-4.2	39.3	-6.7	11.4	-1.8	-0.0	-4.2	-333.0	-195.3	11.4	-1.8	-678.9	
		Viento +X exc.-	-1.1	38.3	-5.2	11.2	-1.4	-0.0	-1.1	-61.3	-55.7	11.2	-1.4	-627.2	
		Viento -X exc.+	4.2	-39.3	6.7	-11.4	1.8	0.0	4.2	333.0	195.3	-11.4	1.8	678.9	
		Viento -X exc.-	1.1	-38.3	5.2	-11.2	1.4	0.0	1.1	61.3	55.7	-11.2	1.4	627.2	
		Viento +Y exc.+	212.1	-19.6	80.2	-5.6	22.8	0.2	212.1	18798	9615.1	-5.6	22.8	2272.9	
		Viento +Y exc.-	160.8	-5.5	58.7	-1.5	16.8	0.0	160.8	14267	7290.8	-1.5	16.8	1556.4	
		Viento -Y exc.+	-212.1	19.6	-80.2	5.6	-22.8	-0.2	-212.1	-18798	-9615	5.6	-22.8	-2273	
Viento -Y exc.-	-160.8	5.5	-58.7	1.5	-16.8	-0.0	-160.8	-14267	-7291	1.5	-16.8	-1556			
P13 [96.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1888.5	0.8	39.6	0.6	14.4	0.0	1888.5	182693	84956	0.6	14.4	1363.5	
		Cargas muertas	1423.3	1.9	-0.3	1.2	-5.6	0.0	1423.3	137694	64000	1.2	-5.6	-596.7	
		H 1	-0.2	-0.2	-9.2	-0.1	-2.4	0.0	-0.2	-19.6	-18.2	-0.1	-2.4	-229.4	
		Sobrecarga de uso	697.4	0.1	13.4	0.1	5.0	0.0	697.4	67468	31373	0.1	5.0	478.9	
		Viento +X exc.+	-7.2	39.2	-8.1	11.4	-2.3	-0.0	-7.2	-654.3	-330.5	11.4	-2.3	-731.0	
		Viento +X exc.-	-3.4	38.2	-6.3	11.1	-1.7	-0.0	-3.4	-287.6	-157.7	11.1	-1.7	-667.4	
		Viento -X exc.+	7.2	-39.2	8.1	-11.4	2.3	0.0	7.2	654.3	330.5	-11.4	2.3	731.0	
		Viento -X exc.-	3.4	-38.2	6.3	-11.1	1.7	0.0	3.4	287.6	157.7	-11.1	1.7	667.4	
		Viento +Y exc.+	224.9	-19.8	86.0	-5.7	24.3	0.2	224.9	21735	10198	-5.7	24.3	2603.6	
		Viento +Y exc.-	161.6	-5.7	60.2	-1.6	17.0	0.0	161.6	15629	7327.2	-1.6	17.0	1721.4	
		Viento -Y exc.+	-224.9	19.8	-86.0	5.7	-24.3	-0.2	-224.9	-21735	-10198	5.7	-24.3	-2604	
Viento -Y exc.-	-161.6	5.7	-60.2	1.6	-17.0	-0.0	-161.6	-15629	-7327	1.6	-17.0	-1721			
P14 [104.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1912.8	-0.4	41.0	-0.1	15.0	0.0	1912.8	200339	86048	-0.1	15.0	1578.6	
		Cargas muertas	1431.8	0.1	-1.7	0.1	-6.2	0.0	1431.8	149963	64378	0.1	-6.2	-658.9	
		H 1	-0.2	-0.1	-9.3	-0.1	-2.4	0.0	-0.2	-20.7	-18.1	-0.1	-2.4	-249.7	
		Sobrecarga de uso	706.2	-0.1	13.9	0.0	5.2	0.0	706.2	73967	31768	0.0	5.2	548.2	
		Viento +X exc.+	-9.5	39.2	-9.5	11.4	-2.7	-0.0	-9.5	-956.3	-436.8	11.4	-2.7	-789.8	
		Viento +X exc.-	-5.0	38.2	-7.3	11.1	-2.1	-0.0	-5.0	-483.2	-231.2	11.1	-2.1	-713.7	
		Viento -X exc.+	9.5	-39.2	9.5	-11.4	2.7	0.0	9.5	956.3	436.8	-11.4	2.7	789.8	
		Viento -X exc.-	5.0	-38.2	7.3	-11.1	2.1	0.0	5.0	483.2	231.2	-11.1	2.1	713.7	
		Viento +Y exc.+	242.5	-19.4	91.5	-5.5	25.6	0.2	242.5	25375	10994	-5.5	25.6	2926.4	
		Viento +Y exc.-	166.8	-5.4	61.4	-1.5	17.2	0.0	166.8	17464	7561.3	-1.5	17.2	1869.9	
		Viento -Y exc.+	-242.5	19.4	-91.5	5.5	-25.6	-0.2	-242.5	-25375	-10994	5.5	-25.6	-2926	
Viento -Y exc.-	-166.8	5.4	-61.4	1.5	-17.2	-0.0	-166.8	-17464	-7561	1.5	-17.2	-1870			
P15 [112.738;44.965;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1948.9	0.0	41.4	0.1	15.1	0.0	1948.9	219719	87674	0.1	15.1	1695.2	
		Cargas muertas	1427.9	0.9	-3.3	0.6	-7.0	0.0	1427.9	160984	64203	0.6	-7.0	-813.6	
		H 1	-0.0	-0.2	-9.1	-0.1	-2.4	0.0	-0.0	-3.3	-10.4	-0.1	-2.4	-264.4	
		Sobrecarga de uso	728.1	-0.3	14.1	-0.1	5.3	0.0	728.1	82085	32753	-0.1	5.3	600.2	
		Viento +X exc.+	-17.0	39.8	-10.9	11.7	-3.1	-0.0	-17.0	-1881	-776.8	11.7	-3.1	-875.5	
		Viento +X exc.-	-11.6	38.8	-8.5	11.4	-2.4	-0.0	-11.6	-1271	-530.9	11.4	-2.4	-784.7	
		Viento -X exc.+	17.0	-39.8	10.9	-11.7	3.1	0.0	17.0	1880.5	776.8	-11.7	3.1	875.5	
		Viento -X exc.-	11.6	-38.8	8.5	-11.4	2.4	0.0	11.6	1271.0	530.9	-11.4	2.4	784.7	
		Viento +Y exc.+	259.7	-19.8	97.3	-5.7	27.0	0.2	259.7	29262	11776	-5.7	27.0	3305.4	
		Viento +Y exc.-	169.6	-5.6	62.9	-1.6	17.5	0.0	169.6	19114	7688.4	-1.6	17.5	2043.3	
		Viento -Y exc.+	-259.7	19.8	-97.3	5.7	-27.0	-0.2	-259.7	-29262	-11776	5.7	-27.0	-3305	
Viento -Y exc.-	-169.6	5.6	-62.9	1.6	-17.5	-0.0	-169.6	-19114	-7688	1.6	-17.5	-2043			
P16 [120.738;44.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1416.1	19.1	33.8	10.7	13.5	0.0	1416.1	170994	63707	10.7	13.5	1147.7	
		Cargas muertas	1340.6	7.3	-0.9	3.9	-2.6	0.0	1340.6	161871	60280	3.9	-2.6	-492.6	
		H 1	-0.4	-0.7	-1.1	-0.2	-0.3	0.0	-0.4	-53.8	-20.9	-0.2	-0.3	-23.5	
		Sobrecarga de uso	487.0	8.2	10.3	4.7	4.5	0.0	487.0	58808	21908	4.7	4.5	328.2	
		Viento +X exc.+	33.9	56.9	-20.2	13.9	-5.1	-0.1	33.9	4148.9	1503.7	13.9	-5.1	-1249	
		Viento +X exc.-	38.6	55.4	-15.6	13.6	-3.9	-0.0	38.6	4718.7	1721.0	13.6	-3.9	-1087	
		Viento -X exc.+	-33.9	-56.9	20.2	-13.9	5.1	0.1	-33.9	-4149	-1504	-13.9	5.1	1248.5	
		Viento -X exc.-	-38.6	-55.4	15.6	-13.6	3.9	0.0	-38.6	-4719	-1721	-13.6	3.9	1087.4	
		Viento +Y exc.+	229.7	-28.7	173.5	-6.8	44.8	0.2	229.7	27704	10502	-6.8	44.8	5712.9	
		Viento +Y exc.-	150.9	-8.4	108.5	-1.9	28.0	0.1	150.9	18209	6892.9	-1.9	28.0	3468.1	
		Viento -Y exc.+	-229.7	28.7	-173.5	6.8	-44.8	-0.2	-229.7	-27704	-10502	6.8	-44.8	-5713	
Viento -Y exc.-	-150.9	8.4	-108.5	1.9	-28.0	-0.1	-150.9	-18209	-6893	1.9	-28.0	-3468			
P17 [0.738;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1864.1	-35.7	1.1	-10.2	-0.2	0.0	1864.1	1339.7	71704	-10.2	-0.2	391.2	
		Cargas muertas	1233.1	18.2	2.7	18.3	1.6	0.0	1233.1	928.0	47432	18.3	1.6	-703.0	
		H 1	0.2	14.0	-0.1	3.3	-0.0	0.0	0.2	14.2	7.7	3.3	-0.0	-127.9	
		Sobrecarga de uso	681.8	-13.8	0.9	-4.2	0.3	0.0	681.8	489.3	26227	-4.2	0.3	160.5	
		Viento +X exc.+	-50.2	51.7	15.8	14.3	5.0	-0.1	-50.2	14.7	-1915	14.3	5.0	-547.6	
	Viento +X exc.-	-49.3	50.8	12.0	14.1	3.8	-0.0	-49.3	14.4	-1884	14.1	3.8	-538.4		





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	50.2	-51.7	-15.8	-14.3	-5.0	0.1	50.2	-14.7	1914.7	-14.3	-5.0	547.6
		Viento -X exc.-	49.3	-50.8	-12.0	-14.1	-3.8	0.0	49.3	-14.4	1883.6	-14.1	-3.8	538.4
		Viento +Y exc.+	2.7	-19.5	22.4	-5.5	7.3	0.2	2.7	-17.5	125.3	-5.5	7.3	216.4
		Viento +Y exc.-	-12.1	-5.9	77.4	-1.8	24.4	0.1	-12.1	-14.9	-387.8	-1.8	24.4	85.9
		Viento -Y exc.+	-2.7	19.5	-22.4	5.5	-7.3	-0.2	-2.7	17.5	-125.3	5.5	-7.3	-216.4
		Viento -Y exc.-	12.1	5.9	-77.4	1.8	-24.4	-0.1	12.1	14.9	387.8	1.8	-24.4	-85.9
P18 [8.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2496.1	14.2	-26.0	6.6	-15.5	0.0	2496.1	21825	95985	6.6	-15.5	-389.6
		Cargas muertas	937.4	-7.4	-5.5	-3.6	0.4	0.0	937.4	8183.9	36053	-3.6	0.4	143.4
		H I	0.4	-1.2	2.3	-0.3	0.4	0.0	0.4	2.2	17.3	-0.3	0.4	14.3
		Sobrecarga de uso	947.8	5.0	-9.9	2.3	-5.5	0.0	947.8	8286.5	36446	2.3	-5.5	-137.6
		Viento +X exc.+	13.9	50.2	31.1	15.4	8.3	-0.1	13.9	171.7	565.7	15.4	8.3	-520.7
		Viento +X exc.-	14.9	49.3	23.7	15.1	6.3	-0.1	14.9	179.9	598.6	15.1	6.3	-526.6
		Viento -X exc.+	-13.9	-50.2	-31.1	-15.4	-8.3	0.1	-13.9	-171.7	-565.7	-15.4	-8.3	520.7
		Viento -X exc.-	-14.9	-49.3	-23.7	-15.1	-6.3	0.1	-14.9	-179.9	-598.6	-15.1	-6.3	526.6
		Viento +Y exc.+	-23.0	-18.6	78.9	-5.7	21.5	0.4	-23.0	-219.7	-806.4	-5.7	21.5	405.3
		Viento +Y exc.-	-40.8	-5.2	187.7	-1.5	49.7	0.1	-40.8	-362.0	-1383	-1.5	49.7	493.0
		Viento -Y exc.+	23.0	18.6	-78.9	5.7	-21.5	-0.4	23.0	219.7	806.4	5.7	-21.5	-405.3
		Viento -Y exc.-	40.8	5.2	-187.7	1.5	-49.7	-0.1	40.8	362.0	1383.1	1.5	-49.7	-493.0
P19 [16.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2753.2	-2.2	15.4	-1.5	2.2	0.0	2753.2	46080	105915	-1.5	2.2	93.5
		Cargas muertas	1066.4	-1.9	10.4	-1.5	5.0	0.0	1066.4	17848	41030	-1.5	5.0	140.0
		H I	0.2	-0.1	2.5	-0.1	0.5	0.0	0.2	3.3	10.3	-0.1	0.5	10.5
		Sobrecarga de uso	1060.4	-0.7	4.0	-0.5	0.4	0.0	1060.4	17747	40790	-0.5	0.4	26.0
		Viento +X exc.+	0.1	51.5	25.9	15.9	7.2	-0.1	0.1	52.8	29.0	15.9	7.2	-493.1
		Viento +X exc.-	0.2	50.5	19.6	15.6	5.4	-0.1	0.2	53.5	26.5	15.6	5.4	-510.3
		Viento -X exc.+	-0.1	-51.5	-25.9	-15.9	-7.2	0.1	-0.1	-52.8	-29.0	-15.9	-7.2	493.1
		Viento -X exc.-	-0.2	-50.5	-19.6	-15.6	-5.4	0.1	-0.2	-53.5	-26.5	-15.6	-5.4	510.3
		Viento +Y exc.+	-2.3	-18.8	115.5	-5.7	32.6	0.4	-2.3	-58.1	25.4	-5.7	32.6	767.0
		Viento +Y exc.-	-4.3	-4.9	208.1	-1.3	58.0	0.1	-4.3	-76.3	44.1	-1.3	58.0	1022.7
		Viento -Y exc.+	2.3	18.8	-115.5	5.7	-32.6	-0.4	2.3	58.1	-25.4	5.7	-32.6	-767.0
		Viento -Y exc.-	4.3	4.9	-208.1	1.3	-58.0	-0.1	4.3	76.3	-44.1	1.3	-58.0	-1022.7
P20 [24.738;38.465;0.0 grados] (50x50)	-0.10/4.90	Peso propio	2260.2	-7.7	-7.2	-3.4	-4.1	0.0	2260.2	55904	86929	-3.4	-4.1	27.6
		Cargas muertas	908.8	2.1	-1.0	1.0	-0.2	0.0	908.8	22484	34956	1.0	-0.2	-44.9
		H I	0.2	-0.1	0.4	-0.0	0.1	0.0	0.2	5.0	8.3	-0.0	0.1	3.3
		Sobrecarga de uso	865.7	-3.1	-3.0	-1.4	-1.6	0.0	865.7	21413	33297	-1.4	-1.6	14.1
		Viento +X exc.+	-11.9	29.3	3.8	9.0	1.2	-0.0	-11.9	-264.2	-452.5	9.0	1.2	-318.2
		Viento +X exc.-	-11.3	28.7	2.8	8.9	0.9	-0.0	-11.3	-250.8	-431.8	8.9	0.9	-318.7
		Viento -X exc.+	11.9	-29.3	-3.8	-9.0	-1.2	0.0	11.9	264.2	452.5	-9.0	-1.2	318.2
		Viento -X exc.-	11.3	-28.7	-2.8	-8.9	-0.9	0.0	11.3	250.8	431.8	-8.9	-0.9	318.7
		Viento +Y exc.+	-7.4	-11.2	27.8	-3.5	8.6	0.1	-7.4	-193.1	-255.0	-3.5	8.6	349.7
		Viento +Y exc.-	-16.3	-3.6	41.2	-1.2	12.7	0.0	-16.3	-406.2	-585.0	-1.2	12.7	359.7
		Viento -Y exc.+	7.4	11.2	-27.8	3.5	-8.6	-0.1	7.4	193.1	255.0	3.5	-8.6	-349.7
		Viento -Y exc.-	16.3	3.6	-41.2	1.2	-12.7	-0.0	16.3	406.2	585.0	1.2	-12.7	-359.7
P21 [32.738;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1342.2	3.9	5.0	17.4	45.6	-0.1	1342.2	43946	51634	17.4	45.6	821.5
		Cargas muertas	388.6	-1.6	-1.3	2.4	7.5	0.3	388.6	12719	14945	2.4	7.5	153.5
		H I	2.6	-0.5	1.1	0.3	2.2	-0.1	2.6	84.1	100.4	0.3	2.2	62.8
		Sobrecarga de uso	400.8	2.5	0.2	5.4	11.3	0.0	400.8	13122	15415	5.4	11.3	161.8
		Viento +X exc.+	297.9	44.3	4.8	15.7	17.7	0.4	297.9	9798.5	11465	15.7	17.7	-26.4
		Viento +X exc.-	256.6	43.6	3.6	14.8	14.9	0.4	256.6	8443.9	9873.5	14.8	14.9	-79.0
		Viento -X exc.+	-297.9	-44.3	-4.8	-15.7	-17.7	-0.4	-297.9	-9798	-11465	-15.7	-17.7	26.4
		Viento -X exc.-	-256.6	-43.6	-3.6	-14.8	-14.9	-0.4	-256.6	-8444	-9873	-14.8	-14.9	79.0
		Viento +Y exc.+	2049.7	-22.5	62.3	27.4	131.9	-2.1	2049.7	67079	78902	27.4	131.9	3261.5
		Viento +Y exc.-	2670.2	-12.0	79.4	40.4	169.8	-2.6	2670.2	87404	102787	40.4	169.8	4001.8
		Viento -Y exc.+	-2050	22.5	-62.3	-27.4	-131.9	2.1	-2050	-67079	-78902	-27.4	-131.9	-3261
		Viento -Y exc.-	-2670	12.0	-79.4	-40.4	-169.8	2.6	-2670	-87404	-102787	-40.4	-169.8	-4002
P22 [40.675;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1340.3	-1.5	6.6	-17.8	49.2	0.4	1340.3	54517	51563	-17.8	49.2	2683.8
		Cargas muertas	384.7	-1.0	-1.6	-3.2	7.0	-0.3	384.7	15647	14796	-3.2	7.0	409.5
		H I	3.7	0.1	1.1	-0.4	2.3	0.1	3.7	148.6	141.5	-0.4	2.3	110.4
		Sobrecarga de uso	388.8	-2.0	0.5	-5.5	11.8	0.0	388.8	15812	14956	-5.5	11.8	690.7
		Viento +X exc.+	-92.7	45.2	2.3	11.3	-0.7	0.6	-92.7	-3724	-3562	11.3	-0.7	-464.9
		Viento +X exc.-	-109.8	44.3	1.7	11.4	-2.0	0.6	-109.8	-4422	-4222	11.4	-2.0	-518.1
		Viento -X exc.+	92.7	-45.2	-2.3	-11.3	0.7	-0.6	92.7	3724.3	3562.3	-11.3	0.7	464.9
		Viento -X exc.-	109.8	-44.3	-1.7	-11.4	2.0	-0.6	109.8	4422.4	4222.2	-11.4	2.0	518.1
		Viento +Y exc.+	2531.0	-10.3	73.2	-44.6	159.8	2.4	2531.0	102939	97429	-44.6	159.8	8219.5
		Viento +Y exc.-	2799.3	2.8	82.7	-45.3	178.3	2.7	2799.3	113864	107757	-45.3	178.3	8999.1
		Viento -Y exc.+	-2531	10.3	-73.2	44.6	-159.8	-2.4	-2531	-102939	-97429	44.6	-159.8	-8220
		Viento -Y exc.-	-2799	-2.8	-82.7	45.3	-178.3	-2.7	-2799	-113864	-107757	45.3	-178.3	-8999





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P23 [48.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2567.1	1.8	-9.0	-2.6	-10.0	0.0	2567.1	125115	98733	-2.6	-10.0	-386.6	
		Cargas muertas	964.3	-7.7	1.3	-6.6	-1.8	0.0	964.3	46992	37094	-6.6	-1.8	168.2	
		H 1	0.2	-0.3	2.2	-0.1	0.4	0.0	0.2	10.3	10.6	-0.1	0.4	24.0	
		Sobrecarga de uso	946.8	1.9	-5.7	-0.0	-4.1	0.0	946.8	46145	36411	-0.0	-4.1	-197.9	
		Viento +X exc.+	20.2	47.3	-0.6	13.5	-0.1	-0.1	20.2	1030.4	775.3	13.5	-0.1	-524.9	
		Viento +X exc.-	20.0	46.4	-0.8	13.3	-0.1	-0.1	20.0	1021.4	768.7	13.3	-0.1	-517.4	
		Viento -X exc.+	-20.2	-47.3	0.6	-13.5	0.1	0.1	-20.2	-1030	-775.3	-13.5	0.1	524.9	
		Viento -X exc.-	-20.0	-46.4	0.8	-13.3	0.1	0.1	-20.0	-1021	-768.7	-13.3	0.1	517.4	
		Viento +Y exc.+	-13.5	-16.7	222.7	-4.4	57.8	0.4	-13.5	-673.8	-295.8	-4.4	57.8	2990.7	
		Viento +Y exc.-	-10.7	-4.2	226.7	-0.8	59.0	0.1	-10.7	-527.6	-186.4	-0.8	59.0	2905.0	
		Viento -Y exc.+	13.5	16.7	-222.7	4.4	-57.8	-0.4	13.5	673.8	295.8	4.4	-57.8	-2991	
		Viento -Y exc.-	10.7	4.2	-226.7	0.8	-59.0	-0.1	10.7	527.6	186.4	0.8	-59.0	-2905	
P24 [56.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2401.3	20.8	1.0	8.9	-7.4	0.0	2401.3	136268	92368	8.9	-7.4	-766.0	
		Cargas muertas	952.1	5.7	-2.1	2.4	-2.5	0.0	952.1	54024	36619	2.4	-2.5	-234.7	
		H 1	0.2	-0.3	2.1	-0.1	0.4	0.0	0.2	12.8	10.9	-0.1	0.4	25.7	
		Sobrecarga de uso	905.6	6.9	-3.1	2.9	-3.7	0.0	905.6	51391	34832	2.9	-3.7	-318.0	
		Viento +X exc.+	-0.9	48.8	-6.6	14.4	-1.5	-0.1	-0.9	-0.3	-39.8	14.4	-1.5	-637.4	
		Viento +X exc.-	-0.9	47.9	-5.3	14.2	-1.1	-0.1	-0.9	-5.6	-41.6	14.2	-1.1	-609.1	
		Viento -X exc.+	0.9	-48.8	6.6	-14.4	1.5	0.1	0.9	0.3	39.8	-14.4	1.5	637.4	
		Viento -X exc.-	0.9	-47.9	5.3	-14.2	1.1	0.1	0.9	5.6	41.6	-14.2	1.1	609.1	
		Viento +Y exc.+	-37.3	-17.1	254.1	-4.7	65.8	0.4	-37.3	-2132	-1179	-4.7	65.8	3911.6	
		Viento +Y exc.-	-35.8	-4.2	237.6	-0.9	61.7	0.1	-35.8	-2037	-1141	-0.9	61.7	3533.3	
		Viento -Y exc.+	37.3	17.1	-254.1	4.7	-65.8	-0.4	37.3	2131.7	1179.4	4.7	-65.8	-3912	
		Viento -Y exc.-	35.8	4.2	-237.6	0.9	-61.7	-0.1	35.8	2036.9	1140.5	0.9	-61.7	-3533	
P25 [64.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2695.6	-0.4	38.9	-0.7	9.1	0.0	2695.6	174506	103724	-0.7	9.1	617.3	
		Cargas muertas	1090.1	-1.8	18.8	-0.9	6.8	0.0	1090.1	70572	41951	-0.9	6.8	474.7	
		H 1	0.3	-0.2	2.1	-0.1	0.4	0.0	0.3	17.3	12.5	-0.1	0.4	28.7	
		Sobrecarga de uso	1049.7	-1.0	9.6	-0.6	2.0	0.0	1049.7	67953	40385	-0.6	2.0	150.3	
		Viento +X exc.+	-1.5	51.1	-13.8	15.7	-3.7	-0.1	-1.5	-44.3	-70.5	15.7	-3.7	-841.2	
		Viento +X exc.-	-1.5	50.1	-10.9	15.4	-2.9	-0.1	-1.5	-48.0	-69.3	15.4	-2.9	-780.4	
		Viento -X exc.+	1.5	-51.1	13.8	-15.7	3.7	0.1	1.5	44.3	70.5	-15.7	3.7	841.2	
		Viento -X exc.-	1.5	-50.1	10.9	-15.4	2.9	0.1	1.5	48.0	69.3	-15.4	2.9	780.4	
		Viento +Y exc.+	-6.4	-18.8	296.1	-5.7	80.8	0.4	-6.4	-434.5	49.1	-5.7	80.8	5451.8	
		Viento +Y exc.-	-5.4	-5.2	257.0	-1.5	70.4	0.1	-5.4	-356.1	48.6	-1.5	70.4	4612.3	
		Viento -Y exc.+	6.4	18.8	-296.1	5.7	-80.8	-0.4	6.4	434.5	-49.1	5.7	-80.8	-5452	
		Viento -Y exc.-	5.4	5.2	-257.0	1.5	-70.4	-0.1	5.4	356.1	-48.6	1.5	-70.4	-4612	
P26 [72.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2454.9	-19.5	17.9	-7.7	-1.2	0.0	2454.9	178545	94445	-7.7	-1.2	207.3	
		Cargas muertas	998.2	-4.9	7.3	-2.2	1.0	0.0	998.2	72601	38402	-2.2	1.0	160.6	
		H 1	0.2	0.1	2.1	-0.0	0.4	0.0	0.2	17.0	11.0	-0.0	0.4	28.9	
		Sobrecarga de uso	944.6	-7.1	2.2	-2.8	-1.5	0.0	944.6	68698	36335	-2.8	-1.5	-2.2	
		Viento +X exc.+	-6.6	48.1	-19.5	13.9	-5.0	-0.1	-6.6	-430.3	-272.5	13.9	-5.0	-897.1	
		Viento +X exc.-	-7.0	47.2	-15.4	13.7	-3.9	-0.1	-7.0	-463.8	-285.6	13.7	-3.9	-812.1	
		Viento -X exc.+	6.6	-48.1	19.5	-13.9	5.0	0.1	6.6	430.3	272.5	-13.9	5.0	897.1	
		Viento -X exc.-	7.0	-47.2	15.4	-13.7	3.9	0.1	7.0	463.8	285.6	-13.7	3.9	812.1	
		Viento +Y exc.+	-49.2	-17.2	309.0	-4.8	77.8	0.4	-49.2	-3597	-1584	-4.8	77.8	5842.8	
		Viento +Y exc.-	-41.6	-4.7	251.3	-1.2	63.5	0.1	-41.6	-3034	-1350	-1.2	63.5	4660.2	
		Viento -Y exc.+	49.2	17.2	-309.0	4.8	-77.8	-0.4	49.2	3597.1	1584.1	4.8	-77.8	-5843	
		Viento -Y exc.-	41.6	4.7	-251.3	1.2	-63.5	-0.1	41.6	3033.7	1350.5	1.2	-63.5	-4660	
P27 [80.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2701.7	-5.0	90.1	-2.8	29.0	0.0	2701.7	218125	104011	-2.8	29.0	2446.1	
		Cargas muertas	1119.9	-1.6	46.8	-0.3	18.7	0.0	1119.9	90419	43125	-0.3	18.7	1519.4	
		H 1	0.2	0.0	1.6	-0.0	0.3	0.0	0.2	17.8	10.1	-0.0	0.3	25.5	
		Sobrecarga de uso	1058.5	-2.2	27.2	-1.1	9.0	0.0	1058.5	85455	40740	-1.1	9.0	769.0	
		Viento +X exc.+	4.8	49.2	-24.2	14.5	-5.6	-0.1	4.8	436.9	160.4	14.5	-5.6	-1012	
		Viento +X exc.-	4.6	48.3	-18.7	14.3	-4.2	-0.1	4.6	418.0	157.4	14.3	-4.2	-889.2	
		Viento -X exc.+	-4.8	-49.2	24.2	-14.5	5.6	0.1	-4.8	-436.9	-160.4	-14.5	5.6	1012.3	
		Viento -X exc.-	-4.6	-48.3	18.7	-14.3	4.2	0.1	-4.6	-418.0	-157.4	-14.3	4.2	889.2	
		Viento +Y exc.+	-14.1	-17.0	339.7	-4.6	85.9	0.4	-14.1	-1158	-203.8	-4.6	85.9	7114.7	
		Viento +Y exc.-	-10.5	-4.2	261.4	-0.9	66.4	0.1	-10.5	-849.4	-141.3	-0.9	66.4	5394.7	
		Viento -Y exc.+	14.1	17.0	-339.7	4.6	-85.9	-0.4	14.1	1157.7	203.8	4.6	-85.9	-7115	
		Viento -Y exc.-	10.5	4.2	-261.4	0.9	-66.4	-0.1	10.5	849.4	141.3	0.9	-66.4	-5395	
P28 [88.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2420.2	-16.0	22.7	-6.5	0.3	0.0	2420.2	214751	93117	-6.5	0.3	277.9	
		Cargas muertas	980.8	-6.6	7.7	-2.9	1.2	0.0	980.8	87026	37733	-2.9	1.2	218.2	
		H 1	0.2	-0.0	1.9	-0.0	0.4	0.0	0.2	20.9	11.0	-0.0	0.4	32.7	
		Sobrecarga de uso	925.3	-6.3	2.9	-2.6	-1.3	0.0	925.3	82106	35596	-2.6	-1.3	-16.0	
		Viento +X exc.+	-7.0	48.0	-31.7	14.0	-8.1	-0.1	-7.0	-575.2	-301.9	14.0	-8.1	-1254	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -X exc.+	7.0	-48.0	31.7	-14.0	8.1	0.1	7.0	575.2	301.9	-14.0	8.1	1253.5	
		Viento -X exc.-	8.0	-47.2	24.8	-13.7	6.3	0.1	8.0	661.3	331.9	-13.7	6.3	1087.6	
		Viento +Y exc.+	-63.3	-16.9	365.8	-4.6	92.6	0.4	-63.3	-5634	-2069	-4.6	92.6	8394.1	
		Viento +Y exc.-	-47.4	-4.5	267.3	-1.1	67.8	0.1	-47.4	-4212	-1556	-1.1	67.8	6061.0	
		Viento -Y exc.+	63.3	16.9	-365.8	4.6	-92.6	-0.4	63.3	5634.5	2069.2	4.6	-92.6	-8394	
		Viento -Y exc.-	47.4	4.5	-267.3	1.1	-67.8	-0.1	47.4	4211.6	1556.3	1.1	-67.8	-6061	
P29 [96.738;38.465;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2713.9	2.4	100.1	-0.3	31.5	0.0	2713.9	262538	104489	-0.3	31.5	3052.6	
		Cargas muertas	1120.0	12.7	54.2	4.6	20.4	0.0	1120.0	108356	43133	4.6	20.4	1793.	
		H I	0.2	-0.1	1.5	-0.0	0.3	0.0	0.2	21.5	10.0	-0.0	0.3	28.2	
		Sobrecarga de uso	1067.3	-0.2	29.6	-0.5	9.7	0.0	1067.3	103246	41082	-0.5	9.7	956.0	
		Viento +X exc.+	-0.2	50.3	-37.4	15.3	-9.3	-0.1	-0.2	28.6	-46.1	15.3	-9.3	-1491	
		Viento +X exc.-	-0.6	49.4	-28.9	15.0	-7.1	-0.1	-0.6	-4.3	-50.2	15.0	-7.1	-1264	
		Viento -X exc.+	0.2	-50.3	37.4	-15.3	9.3	0.1	0.2	-28.6	46.1	-15.3	9.3	1491.3	
		Viento -X exc.-	0.6	-49.4	28.9	-15.0	7.1	0.1	0.6	4.3	50.2	-15.0	7.1	1264.2	
		Viento +Y exc.+	-18.1	-16.5	404.3	-4.4	105.9	0.4	-18.1	-1769	-292.5	-4.4	105.9	10415	
		Viento +Y exc.-	-12.5	-3.8	282.6	-0.7	74.3	0.1	-12.5	-1213	-198.2	-0.7	74.3	7213.7	
		Viento -Y exc.+	18.1	16.5	-404.3	4.4	-105.9	-0.4	18.1	1769.0	292.5	4.4	-105.9	-10415	
		Viento -Y exc.-	12.5	3.8	-282.6	0.7	-74.3	-0.1	12.5	1213.1	198.2	0.7	-74.3	-7214	
P30 [104.738;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2675.9	-33.2	18.1	-15.8	5.1	0.0	2675.9	280240	102948	-15.8	5.1	1139.0	
		Cargas muertas	1022.9	-11.2	8.1	-5.8	3.1	0.0	1022.9	107130	39355	-5.8	3.1	547.0	
		H I	0.2	-0.4	1.6	-0.1	0.4	0.0	0.2	22.1	9.9	-0.1	0.4	44.3	
		Sobrecarga de uso	947.6	-4.4	2.4	-2.3	0.2	0.0	947.6	99244	36451	-2.3	0.2	113.5	
		Viento +X exc.+	19.1	50.1	-14.7	14.8	-4.5	-0.1	19.1	2046.3	718.4	14.8	-4.5	-1039	
		Viento +X exc.-	17.4	49.2	-11.4	14.5	-3.5	-0.0	17.4	1868.9	656.9	14.5	-3.5	-925.4	
		Viento -X exc.+	-19.1	-50.1	14.7	-14.8	4.5	0.1	-19.1	-2046	-718.4	-14.8	4.5	1039.4	
		Viento -X exc.-	-17.4	-49.2	11.4	-14.5	3.5	0.0	-17.4	-1869	-656.9	-14.5	3.5	925.4	
		Viento +Y exc.+	-70.3	-19.6	140.0	-6.1	42.1	0.2	-70.3	-7383	-2564	-6.1	42.1	4646.9	
		Viento +Y exc.-	-43.1	-6.1	94.1	-2.0	28.4	0.1	-43.1	-4523	-1565	-2.0	28.4	3050.3	
		Viento -Y exc.+	70.3	19.6	-140.0	6.1	-42.1	-0.2	70.3	7383.0	2564.2	6.1	-42.1	-4647	
		Viento -Y exc.-	43.1	6.1	-94.1	2.0	-28.4	-0.1	43.1	4523.3	1564.8	2.0	-28.4	-3050	
P31 [112.738;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2895.3	18.5	62.1	9.2	24.3	0.0	2895.3	326430	111430	9.2	24.3	2379.9	
		Cargas muertas	1158.8	14.2	29.8	7.2	12.3	0.0	1158.8	130655	44603	7.2	12.3	1112.6	
		H I	0.3	0.5	1.6	0.1	0.4	0.0	0.3	32.1	12.3	0.1	0.4	38.9	
		Sobrecarga de uso	1077.1	6.2	16.1	3.0	6.2	0.0	1077.1	121435	41446	3.0	6.2	579.0	
		Viento +X exc.+	-18.5	51.2	-16.6	15.7	-5.1	-0.1	-18.5	-2038	-729.4	15.7	-5.1	-1172	
		Viento +X exc.-	-19.4	50.3	-12.8	15.4	-3.9	-0.0	-19.4	-2132	-757.5	15.4	-3.9	-1029	
		Viento -X exc.+	18.5	-51.2	16.6	-15.7	5.1	0.1	18.5	2037.8	729.4	-15.7	5.1	1171.9	
		Viento -X exc.-	19.4	-50.3	12.8	-15.4	3.9	0.0	19.4	2132.2	757.5	-15.4	3.9	1028.5	
		Viento +Y exc.+	-41.2	-17.8	153.0	-5.1	47.2	0.2	-41.2	-4658	-1430	-5.1	47.2	5510.4	
		Viento +Y exc.-	-26.9	-4.6	99.2	-1.1	30.7	0.1	-26.9	-3042	-936.9	-1.1	30.7	3500.4	
		Viento -Y exc.+	41.2	17.8	-153.0	5.1	-47.2	-0.2	41.2	4658.5	1430.4	5.1	-47.2	-5510	
		Viento -Y exc.-	26.9	4.6	-99.2	1.1	-30.7	-0.1	26.9	3041.6	936.9	1.1	-30.7	-3500	
P32 [120.738;38.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1920.9	46.8	23.8	18.9	7.2	0.0	1920.9	231976	73912	18.9	7.2	142.8	
		Cargas muertas	1230.6	-4.9	10.0	-6.9	3.5	0.0	1230.6	148574	47344	-6.9	3.5	681.2	
		H I	0.3	-8.2	-0.0	-2.0	-0.0	0.0	0.3	30.3	12.2	-2.0	-0.0	76.8	
		Sobrecarga de uso	675.8	17.8	5.6	7.4	1.6	0.0	675.8	81608	25999	7.4	1.6	-90.1	
		Viento +X exc.+	55.8	52.5	-23.1	13.4	-6.8	-0.1	55.8	6786.3	2122.2	13.4	-6.8	-1334	
		Viento +X exc.-	54.4	51.5	-17.9	13.2	-5.2	-0.0	54.4	6623.7	2075.9	13.2	-5.2	-1139	
		Viento -X exc.+	-55.8	-52.5	23.1	-13.4	6.8	0.1	-55.8	-6786	-2122	-13.4	6.8	1334.1	
		Viento -X exc.-	-54.4	-51.5	17.9	-13.2	5.2	0.0	-54.4	-6624	-2076	-13.2	5.2	1139.1	
		Viento +Y exc.+	-46.9	-19.8	197.4	-5.0	57.7	0.2	-46.9	-5682	-1606	-5.0	57.7	7160.4	
		Viento +Y exc.-	-25.3	-5.9	123.8	-1.5	36.2	0.1	-25.3	-3064	-850.6	-1.5	36.2	4428.6	
		Viento -Y exc.+	46.9	19.8	-197.4	5.0	-57.7	-0.2	46.9	5681.8	1606.4	5.0	-57.7	-7160	
		Viento -Y exc.-	25.3	5.9	-123.8	1.5	-36.2	-0.1	25.3	3064.4	850.6	1.5	-36.2	-4429	
P33 [0.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1940.9	-47.1	1.2	-18.7	-0.0	0.0	1940.9	1385.0	62042	-18.7	-0.0	597.1	
		Cargas muertas	1265.8	7.0	-2.1	10.2	-1.2	0.0	1265.8	940.9	40459	10.2	-1.2	-325.9	
		H I	-0.3	13.5	-0.0	3.3	-0.0	0.0	-0.3	13.3	-8.4	3.3	-0.0	-104.4	
		Sobrecarga de uso	702.2	-18.4	0.1	-7.6	-0.2	0.0	702.2	499.7	22445	-7.6	-0.2	243.1	
		Viento +X exc.+	-52.8	48.6	15.1	12.5	4.5	-0.1	-52.8	9.7	-1672	12.5	4.5	-397.2	
		Viento +X exc.-	-53.8	48.1	11.5	12.4	3.4	-0.0	-53.8	8.3	-1709	12.4	3.4	-393.1	
		Viento -X exc.+	52.8	-48.6	-15.1	-12.5	-4.5	0.1	52.8	-9.7	1672.3	-12.5	-4.5	397.2	
		Viento -X exc.-	53.8	-48.1	-11.5	-12.4	-3.4	0.0	53.8	-8.3	1708.8	-12.4	-3.4	393.1	
		Viento +Y exc.+	18.2	-11.5	21.6	-3.0	6.9	0.2	18.2	2.0	604.4	-3.0	6.9	101.6	
		Viento +Y exc.-	36.1	-3.6	73.7	-0.9	22.0	0.1	36.1	23.1	1227.0	-0.9	22.0	45.4	
		Viento -Y exc.+	-18.2	11.5	-21.6	3.0	-6.9	-0.2	-18.2	-2.0	-604.4	3.0	-6.9	-101.6	
		Viento -Y exc.-	-36.1	3.6	-73.7	0.9	-22.0	-0.1	-36.1	-23.1	-1227	0.9	-22.0	-45.4	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P34 [8.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2702.6	4.5	-0.2	1.6	3.0	0.0	2702.6	23619	86388	1.6	3.0	-25.6
		Cargas muertas	1028.9	-7.4	-21.4	-3.9	-7.3	0.0	1028.9	8982.7	32866	-3.9	-7.3	61.4
		H 1	0.1	-1.3	0.0	-0.3	0.0	0.0	0.1	-0.4	3.3	-0.3	0.0	10.0
		Sobrecarga de uso	1034.0	1.3	0.5	0.7	1.3	0.0	1034.0	9036.5	33053	0.7	1.3	-9.4
		Viento +X exc.+	10.3	51.1	32.3	16.2	9.0	-0.1	10.3	141.0	361.0	16.2	9.0	-437.7
		Viento +X exc.-	9.3	50.5	24.6	16.0	6.9	-0.1	9.3	131.4	320.4	16.0	6.9	-449.8
		Viento -X exc.+	-10.3	-51.1	-32.3	-16.2	-9.0	0.1	-10.3	-141.0	-361.0	-16.2	-9.0	437.7
		Viento -X exc.-	-9.3	-50.5	-24.6	-16.0	-6.9	0.1	-9.3	-131.4	-320.4	-16.0	-6.9	449.8
		Viento +Y exc.+	17.1	-11.7	81.5	-3.7	22.9	0.4	17.1	137.8	628.6	-3.7	22.9	319.0
		Viento +Y exc.-	34.6	-3.4	193.4	-1.1	53.0	0.1	34.6	299.2	1300.5	-1.1	53.0	496.7
		Viento -Y exc.+	-17.1	11.7	-81.5	3.7	-22.9	-0.4	-17.1	-137.8	-628.6	3.7	-22.9	-319.0
		Viento -Y exc.-	-34.6	3.4	-193.4	1.1	-53.0	-0.1	-34.6	-299.2	-1301	1.1	-53.0	-496.7
P35 [16.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2669.1	-1.3	-1.6	-1.4	4.2	0.0	2669.1	44674	85316	-1.4	4.2	114.5
		Cargas muertas	1043.4	-1.8	-12.1	-1.2	-1.6	0.0	1043.4	17463	33341	-1.2	-1.6	10.4
		H 1	-0.1	-0.0	-0.2	-0.0	-0.0	0.0	-0.1	-2.4	-4.6	-0.0	-0.0	0.8
		Sobrecarga de uso	1028.1	-0.6	-0.8	-0.5	1.1	0.0	1028.1	17208	32864	-0.5	1.1	35.2
		Viento +X exc.+	-0.9	49.6	25.3	15.2	6.8	-0.1	-0.9	34.8	-3.0	15.2	6.8	-372.6
		Viento +X exc.-	-1.5	49.1	19.0	15.1	5.1	-0.1	-1.5	24.4	-28.1	15.1	5.1	-395.4
		Viento -X exc.+	0.9	-49.6	-25.3	-15.2	-6.8	0.1	0.9	-34.8	3.0	-15.2	-6.8	372.6
		Viento -X exc.-	1.5	-49.1	-19.0	-15.1	-5.1	0.1	1.5	-24.4	28.1	-15.1	-5.1	395.4
		Viento +Y exc.+	18.0	-11.6	113.5	-3.6	31.7	0.4	18.0	289.1	687.8	-3.6	31.7	646.0
		Viento +Y exc.-	28.3	-3.5	204.8	-1.1	56.4	0.1	28.3	469.8	1108.8	-1.1	56.4	979.8
		Viento -Y exc.+	-18.0	11.6	-113.5	3.6	-31.7	-0.4	-18.0	-289.1	-687.8	3.6	-31.7	-646.0
		Viento -Y exc.-	-28.3	3.5	-204.8	1.1	-56.4	-0.1	-28.3	-469.8	-1109	1.1	-56.4	-979.8
P37 [48.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2869.7	-24.7	32.0	-11.3	10.7	0.0	2869.7	139840	91763	-11.3	10.7	880.3
		Cargas muertas	1102.2	-12.9	-1.4	-6.7	-0.8	0.0	1102.2	53707	35231	-6.7	-0.8	179.2
		H 1	-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	-3.3	-2.2	-0.1	-0.0	1.6
		Sobrecarga de uso	1055.1	-7.2	9.7	-2.8	3.1	0.0	1055.1	51415	33735	-2.8	3.1	242.8
		Viento +X exc.+	21.3	47.4	-0.2	14.0	0.2	-0.1	21.3	1084.9	680.2	14.0	0.2	-440.2
		Viento +X exc.-	21.2	46.9	-0.4	13.9	0.1	-0.1	21.2	1081.3	678.0	13.9	0.1	-438.0
		Viento -X exc.+	-21.3	-47.4	0.2	-14.0	-0.2	0.1	-21.3	-1085	-680.2	-14.0	-0.2	440.2
		Viento -X exc.-	-21.2	-46.9	0.4	-13.9	-0.1	0.1	-21.2	-1081	-678.0	-13.9	-0.1	438.0
		Viento +Y exc.+	13.6	-11.9	228.2	-3.8	61.6	0.4	13.6	650.3	662.5	-3.8	61.6	3123.9
		Viento +Y exc.-	14.3	-4.2	232.5	-1.6	62.9	0.1	14.3	692.1	689.2	-1.6	62.9	3114.8
		Viento -Y exc.+	-13.6	11.9	-228.2	3.8	-61.6	-0.4	-13.6	-650.3	-662.5	3.8	-61.6	-3124
		Viento -Y exc.-	-14.3	4.2	-232.5	1.6	-62.9	-0.1	-14.3	-692.1	-689.2	1.6	-62.9	-3115
P38 [56.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2637.5	-0.3	32.4	-1.9	18.8	0.0	2637.5	149648	84341	-1.9	18.8	1127.6
		Cargas muertas	1025.5	-3.7	-10.5	-2.4	-1.7	0.0	1025.5	58179	32768	-2.4	-1.7	-18.0
		H 1	-0.1	-0.2	-0.2	-0.1	-0.0	0.0	-0.1	-3.5	-2.1	-0.1	-0.0	0.5
		Sobrecarga de uso	998.4	-0.6	8.8	-1.0	5.6	0.0	998.4	56649	31924	-1.0	5.6	348.0
		Viento +X exc.+	-10.0	50.6	-6.9	15.8	-1.7	-0.1	-10.0	-518.0	-327.2	15.8	-1.7	-600.5
		Viento +X exc.-	-10.0	50.0	-5.6	15.6	-1.3	-0.1	-10.0	-515.6	-324.2	15.6	-1.3	-575.1
		Viento -X exc.+	10.0	-50.6	6.9	-15.8	1.7	0.1	10.0	518.0	327.2	-15.8	1.7	600.5
		Viento -X exc.-	10.0	-50.0	5.6	-15.6	1.3	0.1	10.0	515.6	324.2	-15.6	1.3	575.1
		Viento +Y exc.+	28.7	-11.4	263.5	-3.5	71.4	0.4	28.7	1619.3	1182.2	-3.5	71.4	4166.1
		Viento +Y exc.-	27.5	-3.2	246.3	-0.9	67.0	0.1	27.5	1556.2	1124.9	-0.9	67.0	3828.3
		Viento -Y exc.+	-28.7	11.4	-263.5	3.5	-71.4	-0.4	-28.7	-1619	-1182	3.5	-71.4	-4166
		Viento -Y exc.-	-27.5	3.2	-246.3	0.9	-67.0	-0.1	-27.5	-1556	-1125	0.9	-67.0	-3828
P39 [64.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2670.2	8.3	34.6	4.7	18.7	0.0	2670.2	172871	85387	4.7	18.7	1061.4
		Cargas muertas	1062.0	3.0	-0.4	1.8	1.8	0.0	1062.0	68755	33947	1.8	1.8	59.0
		H 1	-0.1	-0.2	-0.3	-0.1	-0.0	0.0	-0.1	-5.1	-2.7	-0.1	-0.0	0.1
		Sobrecarga de uso	1037.2	2.2	9.4	1.3	5.3	0.0	1037.2	67150	33164	1.3	5.3	303.4
		Viento +X exc.+	-0.9	50.8	-13.9	15.9	-3.7	-0.1	-0.9	-8.9	-43.3	15.9	-3.7	-751.9
		Viento +X exc.-	-0.8	50.2	-11.0	15.8	-3.0	-0.1	-0.8	-4.1	-37.9	15.8	-3.0	-696.4
		Viento -X exc.+	0.9	-50.8	13.9	-15.9	3.7	0.1	0.9	8.9	43.3	-15.9	3.7	751.9
		Viento -X exc.-	0.8	-50.2	11.0	-15.8	3.0	0.1	0.8	4.1	37.9	-15.8	3.0	696.4
		Viento +Y exc.+	16.2	-11.7	296.0	-3.7	80.8	0.4	16.2	1039.4	815.0	-3.7	80.8	5349.9
		Viento +Y exc.-	14.6	-3.4	256.9	-1.1	70.3	0.1	14.6	939.5	722.5	-1.1	70.3	4586.5
		Viento -Y exc.+	-16.2	11.7	-296.0	3.7	-80.8	-0.4	-16.2	-1039	-815.0	3.7	-80.8	-5350
		Viento -Y exc.-	-14.6	3.4	-256.9	1.1	-70.3	-0.1	-14.6	-939.5	-722.5	1.1	-70.3	-4586
P40 [72.738;31.965;0.0 grados] (50x100)	-0.10/4.90	Peso propio	2692.2	-11.0	27.2	-4.2	12.7	0.0	2692.2	195813	86083	-4.2	12.7	1057.9
		Cargas muertas	1079.6	-2.3	-12.1	-1.2	-4.4	0.0	1079.6	78524	34497	-1.2	-4.4	-279.4
		H 1	-0.1	-0.2	-0.2	-0.1	-0.0	0.0	-0.1	-4.9	-2.3	-0.1	-0.0	0.3
		Sobrecarga de uso	1041.4	-4.0	6.4	-1.6	3.2	0.0	1041.4	75743	33294	-1.6	3.2	287.6
		Viento +X exc.+	2.4	50.4	-20.6	15.7	-5.6	-0.1	2.4	223.8	55.6	15.7	-5.6	-911.6
		Viento +X exc.-	2.6	49.8	-16.3	15.5	-4.5	-0.1	2.6	239.5	67.0	15.5	-4.5	-822.3



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -X exc.+	-2.4	-50.4	20.6	-15.7	5.6	0.1	-2.4	-223.8	-55.6	-15.7	5.6	911.6	
		Viento -X exc.-	-2.6	-49.8	16.3	-15.5	4.5	0.1	-2.6	-239.5	-67.0	-15.5	4.5	822.3	
		Viento +Y exc.+	23.2	-10.6	323.1	-3.1	86.7	0.4	23.2	1677.4	1064.9	-3.1	86.7	6405.6	
		Viento +Y exc.-	19.2	-2.6	262.9	-0.6	70.7	0.1	19.2	1396.5	877.7	-0.6	70.7	5163.0	
		Viento -Y exc.+	-23.2	10.6	-323.1	3.1	-86.7	-0.4	-23.2	-1677	-1065	3.1	-86.7	-6406	
		Viento -Y exc.-	-19.2	2.6	-262.9	0.6	-70.7	-0.1	-19.2	-1397	-877.7	0.6	-70.7	-5163	
P41 [80.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2547.0	-3.3	15.7	-3.4	10.9	0.0	2547.0	205640	81431	-3.4	10.9	991.4	
		Cargas muertas	1032.3	-2.5	-2.6	-1.5	0.9	0.0	1032.3	83346	32996	-1.5	0.9	118.0	
		H 1	-0.0	-0.2	-0.1	-0.1	-0.0	0.0	-0.0	-4.2	-1.7	-0.1	-0.0	1.0	
		Sobrecarga de uso	1008.2	-1.9	5.1	-1.4	3.6	0.0	1008.2	81398	32232	-1.4	3.6	330.4	
		Viento +X exc.+	-1.5	48.4	-8.4	14.3	-2.5	-0.1	-1.5	-68.8	-54.8	14.3	-2.5	-660.6	
		Viento +X exc.-	-1.1	47.8	-6.6	14.1	-2.0	-0.0	-1.1	-40.6	-41.6	14.1	-2.0	-610.6	
		Viento -X exc.+	1.5	-48.4	8.4	-14.3	2.5	0.1	1.5	68.8	54.8	-14.3	2.5	660.6	
		Viento -X exc.-	1.1	-47.8	6.6	-14.1	2.0	0.0	1.1	40.6	41.6	-14.1	2.0	610.6	
		Viento +Y exc.+	27.4	-11.8	111.5	-3.7	33.6	0.2	27.4	2196.5	985.8	-3.7	33.6	2829.2	
		Viento +Y exc.-	21.4	-3.8	86.0	-1.2	26.0	0.1	21.4	1727.6	771.4	-1.2	26.0	2137.2	
		Viento -Y exc.+	-27.4	11.8	-111.5	3.7	-33.6	-0.2	-27.4	-2196	-985.8	3.7	-33.6	-2829	
P42 [88.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2603.5	-6.7	5.9	-1.8	5.4	0.0	2603.5	231025	83227	-1.8	5.4	535.1	
Cargas muertas		1038.1	-2.9	-12.2	-1.0	-3.7	0.0	1038.1	92120	33172	-1.0	-3.7	-300.1		
H 1		-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	-6.1	-2.2	-0.1	-0.0	0.9		
Sobrecarga de uso		1004.2	-3.2	1.9	-1.1	1.7	0.0	1004.2	89111	32102	-1.1	1.7	185.9		
Viento +X exc.+		0.7	50.1	-11.4	15.3	-3.7	-0.1	0.7	116.1	12.4	15.3	-3.7	-815.2		
Viento +X exc.-		1.2	49.6	-8.9	15.1	-2.9	-0.0	1.2	158.3	30.2	15.1	-2.9	-740.9		
Viento -X exc.+		-0.7	-50.1	11.4	-15.3	3.7	0.1	-0.7	-116.1	-12.4	-15.3	3.7	815.2		
Viento -X exc.-		-1.2	-49.6	8.9	-15.1	2.9	0.0	-1.2	-158.3	-30.2	-15.1	2.9	740.9		
Viento +Y exc.+		32.4	-11.0	128.2	-3.2	40.9	0.2	32.4	2866.1	1164.6	-3.2	40.9	3729.4		
Viento +Y exc.-		23.9	-3.0	94.0	-0.8	30.0	0.1	23.9	2117.0	857.6	-0.8	30.0	2691.4		
Viento -Y exc.+		-32.4	11.0	-128.2	3.2	-40.9	-0.2	-32.4	-2866	-1165	3.2	-40.9	-3729		
P43 [96.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2577.2	2.4	21.0	-0.1	12.7	0.0	2577.2	249320	82402	-0.1	12.7	1233.8	
Cargas muertas		1036.8	7.1	-0.4	2.2	1.8	0.0	1036.8	100308	33142	2.2	1.8	109.2		
H 1		-0.0	-0.2	-0.1	-0.1	-0.0	0.0	-0.0	-3.9	-1.3	-0.1	-0.0	1.2		
Sobrecarga de uso		1020.2	-0.4	7.4	-0.5	4.3	0.0	1020.2	98688	32617	-0.5	4.3	433.6		
Viento +X exc.+		-3.3	48.2	-12.4	14.1	-3.7	-0.1	-3.3	-273.8	-118.8	14.1	-3.7	-812.1		
Viento +X exc.-		-2.9	47.7	-9.6	13.9	-2.9	-0.0	-2.9	-234.8	-103.0	13.9	-2.9	-725.5		
Viento -X exc.+		3.3	-48.2	12.4	-14.1	3.7	0.1	3.3	273.8	118.8	-14.1	3.7	812.1		
Viento -X exc.-		2.9	-47.7	9.6	-13.9	2.9	0.0	2.9	234.8	103.0	-13.9	2.9	725.5		
Viento +Y exc.+		23.1	-11.5	130.5	-3.5	39.3	0.2	23.1	2224.0	869.1	-3.5	39.3	3918.3		
Viento +Y exc.-		16.1	-3.5	91.4	-1.1	27.7	0.1	16.1	1552.3	605.5	-1.1	27.7	2710.8		
Viento -Y exc.+		-23.1	11.5	-130.5	3.5	-39.3	-0.2	-23.1	-2224	-869.1	3.5	-39.3	-3918		
P36 [24.738;31.965;0.0 grados] (50x50)	-0.10/4.90	Peso propio	2532.6	0.2	6.4	-0.2	3.9	0.0	2532.6	62651	80960	-0.2	3.9	101.8	
Cargas muertas		1051.9	4.6	-3.5	2.0	-1.4	0.0	1051.9	26025	33619	2.0	-1.4	-97.7		
H 1		-0.0	-0.1	-0.0	-0.0	-0.0	0.0	-0.0	-1.1	-1.3	-0.0	-0.0	1.3		
Sobrecarga de uso		971.4	-0.6	2.2	-0.4	1.3	0.0	971.4	24029	31052	-0.4	1.3	45.7		
Viento +X exc.+		-4.3	30.5	3.7	9.9	1.2	-0.0	-4.3	-74.9	-132.4	9.9	1.2	-289.3		
Viento +X exc.-		-4.7	30.1	2.7	9.8	0.8	-0.0	-4.7	-87.0	-148.6	9.8	0.8	-293.2		
Viento -X exc.+		4.3	-30.5	-3.7	-9.9	-1.2	0.0	4.3	74.9	132.4	-9.9	-1.2	289.3		
Viento -X exc.-		4.7	-30.1	-2.7	-9.8	-0.8	0.0	4.7	87.0	148.6	-9.8	-0.8	293.2		
Viento +Y exc.+		12.0	-6.6	29.9	-2.1	9.9	0.1	12.0	289.6	412.6	-2.1	9.9	310.6		
Viento +Y exc.-		19.9	-1.5	44.1	-0.4	14.4	0.0	19.9	491.9	681.6	-0.4	14.4	368.6		
Viento -Y exc.+		-12.0	6.6	-29.9	2.1	-9.9	-0.1	-12.0	-289.6	-412.6	2.1	-9.9	-310.6		
P44 [104.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2832.9	-28.6	-39.0	-12.3	-15.7	0.0	2832.9	296688	90516	-12.3	-15.7	-1253	
Cargas muertas		1091.5	-14.6	-25.8	-6.4	-10.1	0.0	1091.5	114304	34863	-6.4	-10.1	-851.2		
H 1		-0.1	-0.3	-0.1	-0.1	-0.0	0.0	-0.1	-10.9	-3.4	-0.1	-0.0	1.5		
Sobrecarga de uso		1042.8	-5.8	-9.1	-2.4	-3.6	0.0	1042.8	109212	33323	-2.4	-3.6	-294.5		
Viento +X exc.+		-2.1	51.1	-14.7	15.6	-4.5	-0.1	-2.1	-171.8	-82.8	15.6	-4.5	-971.5		
Viento +X exc.-		-1.1	50.5	-11.4	15.5	-3.4	-0.0	-1.1	-68.7	-47.7	15.5	-3.4	-854.4		
Viento -X exc.+		2.1	-51.1	14.7	-15.6	4.5	0.1	2.1	171.8	82.8	-15.6	4.5	971.5		
Viento -X exc.-		1.1	-50.5	11.4	-15.5	3.4	0.0	1.1	68.7	47.7	-15.5	3.4	854.4		
Viento +Y exc.+		37.4	-12.0	146.5	-3.7	45.8	0.2	37.4	3904.7	1341.8	-3.7	45.8	4916.6		
Viento +Y exc.-		21.2	-3.6	98.6	-1.1	30.9	0.1	21.2	2214.2	775.5	-1.1	30.9	3274.2		
Viento -Y exc.+		-37.4	12.0	-146.5	3.7	-45.8	-0.2	-37.4	-3905	-1342	3.7	-45.8	-4917		



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P45 [112.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	2814.2	21.0	-23.3	8.3	-9.3	0.0	2814.2	317292	89933	8.3	-9.3	-1318	
		Cargas muertas	1101.3	10.3	-20.2	5.1	-8.2	0.0	1101.3	124174	35184	5.1	-8.2	-1084	
		H 1	-0.2	0.3	0.1	0.0	0.0	0.0	-0.2	-17.6	-5.0	0.0	0.0	4.4	
		Sobrecarga de uso	1069.1	5.4	-6.1	1.9	-2.3	0.0	1069.1	120536	34168	1.9	-2.3	-316.5	
		Viento +X exc.+	-13.4	50.8	-17.0	15.7	-5.2	-0.1	-13.4	-1465	-446.8	15.7	-5.2	-1093	
		Viento +X exc.-	-12.5	50.3	-13.2	15.5	-4.1	-0.0	-12.5	-1363	-413.8	15.5	-4.1	-956.1	
		Viento -X exc.+	13.4	-50.8	17.0	-15.7	5.2	0.1	13.4	1465.1	446.8	-15.7	5.2	1092.9	
		Viento -X exc.-	12.5	-50.3	13.2	-15.5	4.1	0.0	12.5	1362.8	413.8	-15.5	4.1	956	
		Viento +Y exc.+	39.4	-11.2	152.1	-3.4	46.5	0.2	39.4	4429.7	1411.3	-3.4	46.5	5345.2	
		Viento +Y exc.-	23.6	-3.1	98.6	-0.9	30.2	0.1	23.6	2657.0	852.8	-0.9	30.2	3429.3	
		Viento -Y exc.+	-39.4	11.2	-152.1	3.4	-46.5	-0.2	-39.4	-4430	-1411	3.4	-46.5	-5345	
		Viento -Y exc.-	-23.6	3.1	-98.6	0.9	-30.2	-0.1	-23.6	-2657	-852.8	0.9	-30.2	-3429	
P46 [120.738;31.965;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1899.3	45.7	22.0	18.8	6.0	0.0	1899.3	229366	60733	18.8	6.0	123.5	
		Cargas muertas	1232.4	-5.4	6.1	-7.3	1.1	0.0	1232.4	148798	39401	-7.3	1.1	369.3	
		H 1	-0.1	-6.7	-0.1	-1.6	-0.0	0.0	-0.1	-22.4	-4.2	-1.6	-0.0	52.0	
		Sobrecarga de uso	680.6	18.0	5.9	7.7	1.7	0.0	680.6	82197	21762	7.7	1.7	-41.5	
		Viento +X exc.+	52.5	51.3	-23.1	13.1	-6.7	-0.1	52.5	6386.1	1654.0	13.1	-6.7	-1231	
		Viento +X exc.-	53.0	50.8	-17.9	12.9	-5.2	-0.0	53.0	6449.9	1676.2	12.9	-5.2	-1044	
		Viento -X exc.+	-52.5	-51.3	23.1	-13.1	6.7	0.1	-52.5	-6386	-1654	-13.1	6.7	1230.8	
		Viento -X exc.-	-53.0	-50.8	17.9	-12.9	5.2	0.0	-53.0	-6450	-1676	-12.9	5.2	1044.4	
		Viento +Y exc.+	24.5	-11.3	196.3	-2.8	56.5	0.2	24.5	2945.6	979.1	-2.8	56.5	6908.3	
		Viento +Y exc.-	14.9	-3.2	123.0	-0.8	35.4	0.1	14.9	1799.3	600.2	-0.8	35.4	4298.4	
		Viento -Y exc.+	-24.5	11.3	-196.3	2.8	-56.5	-0.2	-24.5	-2946	-979.1	2.8	-56.5	-6908	
		Viento -Y exc.-	-14.9	3.2	-123.0	0.8	-35.4	-0.1	-14.9	-1799	-600.2	0.8	-35.4	-4298	
P49 [0.738;25.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1640.9	-76.6	28.5	-34.0	15.9	0.0	1640.9	1134.1	41815	-34.0	15.9	877.3	
		Cargas muertas	1376.4	-8.3	29.3	1.2	17.1	0.0	1376.4	1007.2	35078	1.2	17.1	-18.3	
		H 1	-0.1	13.5	-0.0	3.3	-0.0	0.0	-0.1	13.4	-3.2	3.3	-0.0	-83.7	
		Sobrecarga de uso	541.6	-26.3	9.4	-12.6	5.3	0.0	541.6	373.3	13800	-12.6	5.3	325.1	
		Viento +X exc.+	-55.5	45.9	15.0	11.1	4.4	-0.1	-55.5	5.0	-1398	11.1	4.4	-280.0	
		Viento +X exc.-	-52.2	45.8	11.5	11.1	3.4	-0.0	-52.2	7.3	-1317	11.1	3.4	-280.8	
		Viento -X exc.+	55.5	-45.9	-15.0	-11.1	-4.4	0.1	55.5	-5.0	1397.8	-11.1	-4.4	280.0	
		Viento -X exc.-	52.2	-45.8	-11.5	-11.1	-3.4	0.0	52.2	-7.3	1316.8	-11.1	-3.4	280.8	
		Viento +Y exc.+	-65.8	-4.5	21.7	-1.5	6.9	0.2	-65.8	-53.1	-1654	-1.5	6.9	44.7	
		Viento +Y exc.-	-121.5	-3.0	72.9	-1.7	21.5	0.1	-121.5	-92.7	-3021	-1.7	21.5	58.0	
		Viento -Y exc.+	65.8	4.5	-21.7	1.5	-6.9	-0.2	65.8	53.1	1654.0	1.5	-6.9	-44.7	
		Viento -Y exc.-	121.5	3.0	-72.9	1.7	-21.5	-0.1	121.5	92.7	3020.8	1.7	-21.5	-58.0	
P50 [8.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	2044.3	1.1	-18.3	-0.1	-18.9	0.0	2044.3	17864	52039	-0.1	-18.9	-161.8	
		Cargas muertas	1214.7	0.3	-4.1	-0.1	-6.4	0.0	1214.7	10614	30927	-0.1	-6.4	-54.4	
		H 1	0.2	-1.3	-0.5	-0.3	-0.1	0.0	0.2	0.8	5.5	-0.3	-0.1	6.7	
		Sobrecarga de uso	712.4	0.3	-9.7	-0.1	-7.2	0.0	712.4	6225.2	18132	-0.1	-7.2	-60.3	
		Viento +X exc.+	3.3	20.0	5.0	1.7	0.8	-0.0	3.3	49.1	89.6	1.7	0.8	-35.0	
		Viento +X exc.-	7.1	19.9	3.6	1.6	0.5	-0.0	7.1	82.2	185.2	1.6	0.5	-37.1	
		Viento -X exc.+	-3.3	-20.0	-5.0	-1.7	-0.8	0.0	-3.3	-49.1	-89.6	-1.7	-0.8	35.0	
		Viento -X exc.-	-7.1	-19.9	-3.6	-1.6	-0.5	0.0	-7.1	-82.2	-185.2	-1.6	-0.5	37.1	
		Viento +Y exc.+	-81.8	-2.1	16.0	-0.5	4.0	0.2	-81.8	-716.7	-2066	-0.5	4.0	47.7	
		Viento +Y exc.-	-145.7	-0.7	36.0	-0.2	8.2	0.0	-145.7	-1274	-3675	-0.2	8.2	78.0	
		Viento -Y exc.+	81.8	2.1	-16.0	0.5	-4.0	-0.2	81.8	716.7	2066.5	0.5	-4.0	-47.7	
		Viento -Y exc.-	145.7	0.7	-36.0	0.2	-8.2	-0.0	145.7	1274.0	3674.8	0.2	-8.2	-78.0	
P51 [16.738;25.465;0.0 grados] (Diámetro 60)	0.30/4.90	Peso propio	1914.4	2.0	6.9	0.4	-9.2	0.0	1914.4	32045	48757	0.4	-9.2	-163.3	
		Cargas muertas	1190.1	2.5	1.6	0.7	-4.0	0.0	1190.1	19923	30308	0.7	-4.0	-84.1	
		H 1	-0.0	0.0	0.1	-0.0	0.0	0.0	-0.0	-0.3	-0.4	-0.0	0.0	0.7	
		Sobrecarga de uso	653.1	0.5	-1.1	0.1	-3.5	0.0	653.1	10932	16630	0.1	-3.5	-61.8	
		Viento +X exc.+	-7.6	25.9	5.7	3.5	1.5	-0.0	-7.6	-101.1	-187.5	3.5	1.5	-64.6	
		Viento +X exc.-	-4.2	25.8	4.3	3.5	1.2	-0.0	-4.2	-44.4	-102.5	3.5	1.2	-69.8	
		Viento -X exc.+	7.6	-25.9	-5.7	-3.5	-1.5	0.0	7.6	101.1	187.5	-3.5	-1.5	64.6	
		Viento -X exc.-	4.2	-25.8	-4.3	-3.5	-1.2	0.0	4.2	44.4	102.5	-3.5	-1.2	69.8	
		Viento +Y exc.+	-99.9	-2.6	26.5	-0.7	7.2	0.2	-99.9	-1674	-2517	-0.7	7.2	137.6	
		Viento +Y exc.-	-156.6	-0.9	46.6	-0.3	12.3	0.1	-156.6	-2622	-3940	-0.3	12.3	212.3	
		Viento -Y exc.+	99.9	2.6	-26.5	0.7	-7.2	-0.2	99.9	1674.5	2517.1	0.7	-7.2	-137.6	
		Viento -Y exc.-	156.6	0.9	-46.6	0.3	-12.3	-0.1	156.6	2621.6	3940.5	0.3	-12.3	-212.3	
P52 [24.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	2308.1	-3.7	-9.7	-2.2	-14.8	0.0	2308.1	57094	58766	-2.2	-14.8	-310.4	
		Cargas muertas	1540.0	-3.3	-6.4	-2.0	-6.6	0.0	1540.0	38093	39210	-2.0	-6.6	-110.7	
		H 1	0.1	-0.1	0.0	-0.0	0.0	0.0	0.1	1.7	1.9	-0.0	0.0	1.2	
		Sobrecarga de uso	842.4	-1.7	-6.2	-0.9	-5.5	0.0	842.4	20837	21445	-0.9	-5.5	-112.2	
		Viento +X exc.+	-16.7	20.4	3.5	1.9	0.8	-0.0	-16.7	-393.2	-422.3	1.9	0.8	-29.3	
	Viento +X exc.-	-14.0	20.3	2.6	1.9	0.6	-0.0	-14.0	-325.8	-353.7	1.9	0.6	-33.3		



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	16.7	-20.4	-3.5	-1.9	-0.8	0.0	16.7	393.2	422.3	-1.9	-0.8	29.3
		Viento -X exc.-	14.0	-20.3	-2.6	-1.9	-0.6	0.0	14.0	325.8	353.7	-1.9	-0.6	33.3
		Viento +Y exc.+	-129.5	-2.0	26.0	-0.4	5.8	0.2	-129.5	-3206	-3272	-0.4	5.8	153.9
		Viento +Y exc.-	-175.2	-0.6	38.2	-0.1	8.4	0.0	-175.2	-4335	-4424	-0.1	8.4	210.8
		Viento -Y exc.+	129.5	2.0	-26.0	0.4	-5.8	-0.2	129.5	3205.5	3271.7	0.4	-5.8	-153.9
		Viento -Y exc.-	175.2	0.6	-38.2	0.1	-8.4	-0.0	175.2	4335.3	4423.9	0.1	-8.4	-210.8
P53 [32.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1043.7	6.9	-10.8	2.5	-16.7	0.0	1043.7	34177	26568	2.5	-16.7	-610.9
		Cargas muertas	742.3	1.1	-6.3	1.2	-8.0	0.0	742.3	24302	18896	1.2	-8.0	-290.1
		H I	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	0.5	0.5	-0.0	0.0	0.9
		Sobrecarga de uso	338.2	3.0	-5.9	1.3	-5.6	0.0	338.2	11076	8607.2	1.3	-5.6	-215.0
		Viento +X exc.+	26.0	20.8	2.5	2.2	0.7	-0.0	26.0	873.2	665.5	2.2	0.7	-33.7
		Viento +X exc.-	27.3	20.7	2.0	2.2	0.6	-0.0	27.3	913.8	696.6	2.2	0.6	-37.5
		Viento -X exc.+	-26.0	-20.8	-2.5	-2.2	-0.7	0.0	-26.0	-873.2	-665.5	-2.2	-0.7	33.7
		Viento -X exc.-	-27.3	-20.7	-2.0	-2.2	-0.6	0.0	-27.3	-913.8	-696.6	-2.2	-0.6	37.5
		Viento +Y exc.+	-42.8	-2.0	31.4	-0.4	6.9	0.2	-42.8	-1402	-1058	-0.4	6.9	238.0
		Viento +Y exc.-	-63.6	-0.7	39.9	-0.2	8.8	0.0	-63.6	-2084	-1580	-0.2	8.8	293.2
		Viento -Y exc.+	42.8	2.0	-31.4	0.4	-6.9	-0.2	42.8	1402.3	1057.8	0.4	-6.9	-238.0
		Viento -Y exc.-	63.6	0.7	-39.9	0.2	-8.8	-0.0	63.6	2083.9	1580.4	0.2	-8.8	-293.2
P54 [40.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1014.6	-4.7	12.0	-2.5	-9.0	0.0	1014.6	41326	25847	-2.5	-9.0	-304.8
		Cargas muertas	735.1	-0.2	3.3	-1.2	-4.5	0.0	735.1	29946	18723	-1.2	-4.5	-152.7
		H I	0.0	-0.1	0.0	-0.0	0.0	0.0	0.0	0.6	0.5	-0.0	0.0	1.2
		Sobrecarga de uso	326.3	-2.7	0.2	-1.3	-3.2	0.0	326.3	13289	8308.6	-1.3	-3.2	-98.2
		Viento +X exc.+	-28.6	20.4	0.9	2.1	0.2	-0.0	-28.6	-1146	-728.4	2.1	0.2	-46.0
		Viento +X exc.-	-28.6	20.3	0.6	2.0	0.1	-0.0	-28.6	-1143	-726.7	2.0	0.1	-48.2
		Viento -X exc.+	28.6	-20.4	-0.9	-2.1	-0.2	0.0	28.6	1146.3	728.4	-2.1	-0.2	46.0
		Viento -X exc.-	28.6	-20.3	-0.6	-2.0	-0.1	0.0	28.6	1143.3	726.7	-2.0	-0.1	48.2
		Viento +Y exc.+	-63.4	-1.8	34.6	-0.3	7.1	0.2	-63.4	-2583	-1579	-0.3	7.1	299.4
		Viento +Y exc.-	-64.2	-0.6	39.1	-0.1	8.1	0.0	-64.2	-2616	-1596	-0.1	8.1	332.6
		Viento -Y exc.+	63.4	1.8	-34.6	0.3	-7.1	-0.2	63.4	2582.9	1578.8	0.3	-7.1	-299.4
		Viento -Y exc.-	64.2	0.6	-39.1	0.1	-8.1	-0.0	64.2	2616.5	1596.1	0.1	-8.1	-332.6
P55 [48.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	2423.1	8.9	20.8	4.0	-4.7	0.0	2423.1	118104	61724	4.0	-4.7	-329.1
		Cargas muertas	1536.4	5.5	4.5	2.7	-2.6	0.0	1536.4	74888	39130	2.7	-2.6	-195.2
		H I	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	1.9	1.1	-0.0	0.0	1.7
		Sobrecarga de uso	833.3	3.0	3.2	1.5	-2.0	0.0	833.3	40618	21224	1.5	-2.0	-137.2
		Viento +X exc.+	26.2	20.3	-0.2	2.0	-0.1	-0.0	26.2	1295.5	666.0	2.0	-0.1	-55.0
		Viento +X exc.-	27.0	20.2	-0.3	2.0	-0.1	-0.0	27.0	1336.3	687.4	2.0	-0.1	-55.1
		Viento -X exc.+	-26.2	-20.3	0.2	-2.0	0.1	0.0	-26.2	-1295	-666.0	-2.0	0.1	55.0
		Viento -X exc.-	-27.0	-20.2	0.3	-2.0	0.1	0.0	-27.0	-1336	-687.4	-2.0	0.1	55.1
		Viento +Y exc.+	-154.5	-2.1	41.6	-0.5	9.3	0.2	-154.5	-7532	-3893	-0.5	9.3	466.0
		Viento +Y exc.-	-168.7	-0.9	42.5	-0.3	9.5	0.0	-168.7	-8223	-4253	-0.3	9.5	472.0
		Viento -Y exc.+	154.5	2.1	-41.6	0.5	-9.3	-0.2	154.5	7532.5	3892.9	0.5	-9.3	-466.0
		Viento -Y exc.-	168.7	0.9	-42.5	0.3	-9.5	-0.0	168.7	8223.0	4253.5	0.3	-9.5	-472.0
P56 [56.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1962.3	0.2	-3.3	-0.4	-16.8	0.0	1962.3	111336	49966	-0.4	-16.8	-942.3
		Cargas muertas	1189.4	-0.2	-5.9	-0.3	-8.1	0.0	1189.4	67483	30282	-0.3	-8.1	-449.6
		H I	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	2.2	1.1	-0.0	0.0	2.4
		Sobrecarga de uso	663.5	-0.1	-4.3	-0.1	-5.9	0.0	663.5	37644	16891	-0.1	-5.9	-329.8
		Viento +X exc.+	-5.9	19.9	-1.2	1.8	-0.2	-0.0	-5.9	-317.1	-152.4	1.8	-0.2	-57.6
		Viento +X exc.-	-6.2	19.8	-1.0	1.7	-0.2	-0.0	-6.2	-334.1	-159.8	1.7	-0.2	-54.4
		Viento -X exc.+	5.9	-19.9	1.2	-1.8	0.2	0.0	5.9	317.1	152.4	-1.8	0.2	57.6
		Viento -X exc.-	6.2	-19.8	1.0	-1.7	0.2	0.0	6.2	334.1	159.8	-1.7	0.2	54.4
		Viento +Y exc.+	-154.5	-2.1	47.1	-0.5	10.5	0.2	-154.5	-8768	-3887	-0.5	10.5	608.6
		Viento +Y exc.-	-149.4	-0.7	44.3	-0.2	10.0	0.0	-149.4	-8475	-3759	-0.2	10.0	571.3
		Viento -Y exc.+	154.5	2.1	-47.1	0.5	-10.5	-0.2	154.5	8767.6	3887.0	0.5	-10.5	-608.6
		Viento -Y exc.-	149.4	0.7	-44.3	0.2	-10.0	-0.0	149.4	8475.1	3759.1	0.2	-10.0	-571.3
P57 [64.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1943.7	2.5	8.1	0.8	-11.7	0.0	1943.7	125833	49504	0.8	-11.7	-776.3
		Cargas muertas	1224.2	-2.2	3.4	-0.4	-4.7	0.0	1224.2	79248	31177	-0.4	-4.7	-294.8
		H I	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	2.5	1.1	-0.0	0.0	2.9
		Sobrecarga de uso	668.2	1.1	-2.2	0.3	-4.7	0.0	668.2	43258	17013	0.3	-4.7	-310.1
		Viento +X exc.+	0.7	19.9	-2.3	1.8	-0.5	-0.0	0.7	67.3	16.3	1.8	-0.5	-75.6
		Viento +X exc.-	-0.2	19.8	-1.8	1.8	-0.4	-0.0	-0.2	9.8	-5.7	1.8	-0.4	-68.2
		Viento -X exc.+	-0.7	-19.9	2.3	-1.8	0.5	0.0	-0.7	-67.3	-16.3	-1.8	0.5	75.6
		Viento -X exc.-	0.2	-19.8	1.8	-1.8	0.4	0.0	0.2	-9.8	-5.7	-1.8	0.4	68.2
		Viento +Y exc.+	-160.3	-1.9	52.4	-0.4	11.6	0.2	-160.3	-10382	-4031	-0.4	11.6	763.0
		Viento +Y exc.-	-145.5	-0.6	45.8	-0.2	10.2	0.0	-145.5	-9419	-3659	-0.2	10.2	667.8
		Viento -Y exc.+	160.3	1.9	-52.4	0.4	-11.6	-0.2	160.3	10382	4030.8	0.4	-11.6	-763.0
		Viento -Y exc.-	145.5	0.6	-45.8	0.2	-10.2	-0.0	145.5	9418.8	3658.9	0.2	-10.2	-667.8





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P58 [72.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1915.4	-2.1	21.8	-0.5	-3.7	0.0	1915.4	139318	48797	-0.5	-3.7	-257.4	
		Cargas muertas	1209.5	2.2	10.5	0.4	-0.8	0.0	1209.5	87978	30810	0.4	-0.8	-69.0	
		H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	2.7	1.1	-0.0	0.0	3.3	
		Sobrecarga de uso	649.5	-1.0	2.0	-0.2	-2.1	0.0	649.5	47244	16542	-0.2	-2.1	-145.0	
		Viento +X exc.+	2.5	19.8	-3.5	1.7	-0.7	-0.0	2.5	202.7	60.6	1.7	-0.7	-96.0	
		Viento +X exc.-	1.0	19.7	-2.7	1.7	-0.5	-0.0	1.0	91.4	22.4	1.7	-0.5	-83.4	
		Viento -X exc.+	-2.5	-19.8	3.5	-1.7	0.7	0.0	-2.5	-202.7	-60.6	-1.7	0.7	96.0	
		Viento -X exc.-	-1.0	-19.7	2.7	-1.7	0.5	0.0	-1.0	-91.4	-22.4	-1.7	0.5	83.4	
		Viento +Y exc.+	-171.3	-2.1	57.5	-0.5	12.7	0.2	-171.3	-12463	-4305	-0.5	12.7	933.4	
		Viento +Y exc.-	-145.7	-0.8	47.1	-0.2	10.5	0.0	-145.7	-10600	-3664	-0.2	10.5	767.7	
		Viento -Y exc.+	171.3	2.1	-57.5	0.5	-12.7	-0.2	171.3	12463	4304.8	0.5	-12.7	-933.4	
		Viento -Y exc.-	145.7	0.8	-47.1	0.2	-10.5	-0.0	145.7	10600	3663.7	0.2	-10.5	-767.7	
P59 [80.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1910.1	2.2	17.6	0.5	-5.8	0.0	1910.1	154219	48658	0.5	-5.8	-481.6	
		Cargas muertas	1196.3	0.3	3.9	0.0	-2.9	0.0	1196.3	96588	30468	0.0	-2.9	-233.3	
		H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	3.1	1.1	-0.0	0.0	3.7	
		Sobrecarga de uso	657.4	1.0	0.8	0.3	-2.8	0.0	657.4	53079	16741	0.3	-2.8	-231.7	
		Viento +X exc.+	3.3	20.9	-4.7	2.4	-1.0	-0.0	3.3	291.2	80.6	2.4	-1.0	-141.8	
		Viento +X exc.-	1.2	20.8	-3.7	2.3	-0.8	-0.0	1.2	119.8	27.6	2.3	-0.8	-123.7	
		Viento -X exc.+	-3.3	-20.9	4.7	-2.4	1.0	0.0	-3.3	-291.2	-80.6	-2.4	1.0	141.8	
		Viento -X exc.-	-1.2	-20.8	3.7	-2.3	0.8	0.0	-1.2	-119.8	-27.6	-2.3	0.8	123.7	
		Viento +Y exc.+	-179.0	-2.1	61.4	-0.5	13.1	0.2	-179.0	-14453	-4496	-0.5	13.1	1068.8	
		Viento +Y exc.-	-143.3	-0.8	47.5	-0.2	10.2	0.0	-143.3	-11572	-3602	-0.2	10.2	829.6	
		Viento -Y exc.+	179.0	2.1	-61.4	0.5	-13.1	-0.2	179.0	14453	4496.5	0.5	-13.1	-1069	
		Viento -Y exc.-	143.3	0.8	-47.5	0.2	-10.2	-0.0	143.3	11572	3601.9	0.2	-10.2	-829.6	
P60 [88.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1968.6	-2.2	12.4	-0.4	-9.0	0.0	1968.6	174689	50143	-0.4	-9.0	-783.9	
		Cargas muertas	1215.3	-0.1	1.1	0.0	-4.5	0.0	1215.3	107839	30947	0.0	-4.5	-402.9	
		H 1	0.0	-0.1	0.1	-0.0	0.0	0.0	0.0	3.3	1.1	-0.0	0.0	4.3	
		Sobrecarga de uso	672.2	-1.1	-1.1	-0.3	-4.0	0.0	672.2	59647	17116	-0.3	-4.0	-350.3	
		Viento +X exc.+	5.3	19.9	-5.6	1.8	-1.2	-0.0	5.3	492.7	130.0	1.8	-1.2	-148.2	
		Viento +X exc.-	2.5	19.8	-4.4	1.7	-0.9	-0.0	2.5	245.1	60.3	1.7	-0.9	-124.2	
		Viento -X exc.+	-5.3	-19.9	5.6	-1.8	1.2	0.0	-5.3	-492.7	-130.0	-1.8	1.2	148.2	
		Viento -X exc.-	-2.5	-19.8	4.4	-1.7	0.9	0.0	-2.5	-245.1	-60.3	-1.7	0.9	124.2	
		Viento +Y exc.+	-195.6	-2.0	65.6	-0.5	13.6	0.2	-195.6	-17358	-4915	-0.5	13.6	1215.1	
		Viento +Y exc.-	-148.6	-0.7	48.2	-0.2	10.1	0.0	-148.6	-13189	-3736	-0.2	10.1	897.2	
		Viento -Y exc.+	195.6	2.0	-65.6	0.5	-13.6	-0.2	195.6	17358	4914.9	0.5	-13.6	-1215	
		Viento -Y exc.-	148.6	0.7	-48.2	0.2	-10.1	-0.0	148.6	13189	3736.3	0.2	-10.1	-897.2	
P61 [96.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1951.1	0.7	15.7	-0.1	-8.5	0.0	1951.1	188750	49701	-0.1	-8.5	-824.1	
		Cargas muertas	1218.1	-2.2	7.3	-0.7	-3.3	0.0	1218.1	117839	31027	-0.7	-3.3	-305.7	
		H 1	0.1	-0.1	0.1	-0.0	0.0	0.0	0.1	5.3	1.6	-0.0	0.0	4.7	
		Sobrecarga de uso	674.4	0.7	-1.5	0.2	-4.2	0.0	674.4	65240	17172	0.2	-4.2	-413.4	
		Viento +X exc.+	8.5	19.5	-6.8	1.5	-1.4	-0.0	8.5	846.1	210.8	1.5	-1.4	-176.3	
		Viento +X exc.-	5.1	19.4	-5.3	1.5	-1.1	-0.0	5.1	515.9	125.4	1.5	-1.1	-145.5	
		Viento -X exc.+	-8.5	-19.5	6.8	-1.5	1.4	0.0	-8.5	-846.1	-210.8	-1.5	1.4	176.3	
		Viento -X exc.-	-5.1	-19.4	5.3	-1.5	1.1	0.0	-5.1	-515.9	-125.4	-1.5	1.1	145.5	
		Viento +Y exc.+	-205.9	-2.2	69.7	-0.5	14.0	0.2	-205.9	-19920	-5173	-0.5	14.0	1369.5	
		Viento +Y exc.-	-148.5	-0.7	49.0	-0.2	9.9	0.0	-148.5	-14371	-3734	-0.2	9.9	963.7	
		Viento -Y exc.+	205.9	2.2	-69.7	0.5	-14.0	-0.2	205.9	19920	5173.4	0.5	-14.0	-1370	
		Viento -Y exc.-	148.5	0.7	-49.0	0.2	-9.9	-0.0	148.5	14371	3733.8	0.2	-9.9	-963.7	
P62 [104.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	1882.5	3.6	31.8	0.8	-1.0	0.0	1882.5	197170	47969	0.8	-1.0	-120.8	
		Cargas muertas	1194.4	3.2	16.2	0.8	0.7	0.0	1194.4	125105	30432	0.8	0.7	55.5	
		H 1	0.0	-0.2	0.1	-0.1	0.0	0.0	0.0	-0.3	0.1	-0.1	0.0	5.4	
		Sobrecarga de uso	652.0	0.5	3.8	0.0	-1.6	0.0	652.0	68285	16606	0.0	-1.6	-169.4	
		Viento +X exc.+	7.9	19.9	-7.9	1.7	-1.7	-0.0	7.9	845.0	192.7	1.7	-1.7	-220.2	
		Viento +X exc.-	3.6	19.8	-6.1	1.7	-1.3	-0.0	3.6	401.1	86.6	1.7	-1.3	-180.5	
		Viento -X exc.+	-7.9	-19.9	7.9	-1.7	1.7	0.0	-7.9	-845.0	-192.7	-1.7	1.7	220.2	
		Viento -X exc.-	-3.6	-19.8	6.1	-1.7	1.3	0.0	-3.6	-401.1	-86.6	-1.7	1.3	180.5	
		Viento +Y exc.+	-226.3	-2.0	75.2	-0.4	15.5	0.2	-226.3	-23706	-5688	-0.4	15.5	1629.5	
		Viento +Y exc.-	-155.0	-0.7	50.7	-0.2	10.5	0.0	-155.0	-16240	-3898	-0.2	10.5	1099.6	
		Viento -Y exc.+	226.3	2.0	-75.2	0.4	-15.5	-0.2	226.3	23706	5687.9	0.4	-15.5	-1630	
		Viento -Y exc.-	155.0	0.7	-50.7	0.2	-10.5	-0.0	155.0	16240	3897.6	0.2	-10.5	-1100	
P63 [112.738;25.465;0.0 grados] (Diámetro 60)	-0.10/4.90	Peso propio	2049.3	4.3	0.6	1.1	-14.1	0.0	2049.3	231034	52185	1.1	-14.1	-1621	
		Cargas muertas	1242.0	1.3	-1.2	0.3	-5.8	0.0	1242.0	140027	31627	0.3	-5.8	-666.5	
		H 1	0.2	0.7	-0.7	0.2	-0.2	0.0	0.2	20.1	3.7	0.2	-0.2	-24.3	
		Sobrecarga de uso	710.9	1.1	-4.6	0.3	-5.8	0.0	710.9	80152	18100	0.3	-5.8	-659.8	
		Viento +X exc.+	-3.0	19.9	-8.0	1.7	-1.3	-0.0	-3.0	-315.0	-83.7	1.7	-1.3	-192.5	
	Viento +X exc.-	-7.6	19.8	-6.0	1.7	-0.9	-0.0	-7.6	-837.4	-199.7	1.7	-0.9	-145.4		





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -X exc.+	3.0	-19.9	8.0	-1.7	1.3	0.0	3.0	315.0	83.7	-1.7	1.3	192.5	
		Viento -X exc.-	7.6	-19.8	6.0	-1.7	0.9	0.0	7.6	837.4	199.7	-1.7	0.9	145.4	
		Viento +Y exc.+	-225.4	-2.2	78.6	-0.5	15.7	0.2	-225.4	-25417	-5662	-0.5	15.7	1784.7	
		Viento +Y exc.-	-147.4	-0.8	51.0	-0.2	10.2	0.0	-147.4	-16619	-3703	-0.2	10.2	1158.8	
		Viento -Y exc.+	225.4	2.2	-78.6	0.5	-15.7	-0.2	225.4	25417	5661.9	0.5	-15.7	-1785	
		Viento -Y exc.-	147.4	0.8	-51.0	0.2	-10.2	-0.0	147.4	16619	3702.6	0.2	-10.2	-1159	
P64 [120.738;25.465;0.0 grados] (60x60)	-0.10/4.90	Peso propio	1672.7	83.9	56.6	37.0	26.2	0.0	1672.7	202047	42653	37.0	26.2	2221.5	
		Cargas muertas	1378.5	17.2	33.6	3.2	17.2	0.0	1378.5	166459	35138	3.2	17.2	1992.2	
		H I	-0.0	-8.7	0.1	-2.2	0.0	0.0	-0.0	-13.4	-0.9	-2.2	0.0	58.1	
		Sobrecarga de uso	545.0	28.6	16.2	13.5	7.7	0.0	545.0	65834	13895	13.5	7.7	589.0	
		Viento +X exc.+	48.0	47.7	-22.7	11.5	-6.5	-0.1	48.0	5844.7	1199.9	11.5	-6.5	-1076	
		Viento +X exc.-	43.8	47.6	-17.6	11.5	-5.0	-0.0	43.8	5335.6	1097.7	11.5	-5.0	-902.2	
		Viento -X exc.+	-48.0	-47.7	22.7	-11.5	6.5	0.1	-48.0	-5845	-1200	-11.5	6.5	1076.3	
		Viento -X exc.-	-43.8	-47.6	17.6	-11.5	5.0	0.0	-43.8	-5336	-1098	-11.5	5.0	902.2	
		Viento +Y exc.+	-200.7	-0.5	192.6	1.6	54.3	0.2	-200.7	-24233	-4918	1.6	54.3	6515.7	
		Viento +Y exc.-	-129.4	0.9	120.7	1.4	34.1	0.1	-129.4	-15617	-3173	1.4	34.1	4078.6	
		Viento -Y exc.+	200.7	0.5	-192.6	-1.6	-54.3	-0.2	200.7	24233	4918.3	-1.6	-54.3	-6516	
		Viento -Y exc.-	129.4	-0.9	-120.7	-1.4	-34.1	-0.1	129.4	15617	3173.3	-1.4	-34.1	-4079	
P47 [32.738;31.965;0.0 grados] (70x70)	-0.10/4.90	Peso propio	1978.2	9.6	12.3	9.4	4.8	0.1	1978.2	64772	63245	9.4	4.8	-145.8	
		Cargas muertas	803.1	6.2	4.5	5.5	2.5	0.0	803.1	26297	25675	5.5	2.5	-94.7	
		H I	0.1	-0.2	-0.0	-0.1	-0.0	0.0	0.1	2.0	2.2	-0.1	-0.0	2.9	
		Sobrecarga de uso	700.3	5.4	5.7	4.4	2.3	0.0	700.3	22930	22389	4.4	2.3	-63.4	
		Viento +X exc.+	7.0	69.8	6.9	14.2	2.0	-0.1	7.0	299.9	231.5	14.2	2.0	-390.4	
		Viento +X exc.-	16.4	69.0	5.2	14.1	1.5	-0.1	16.4	606.9	530.4	14.1	1.5	-399.5	
		Viento -X exc.+	-7.0	-69.8	-6.9	-14.2	-2.0	0.1	-7.0	-299.9	-231.5	-14.2	-2.0	390.4	
		Viento -X exc.-	-16.4	-69.0	-5.2	-14.1	-1.5	0.1	-16.4	-606.9	-530.4	-14.1	-1.5	399.5	
		Viento +Y exc.+	-619.4	-16.6	91.4	-3.8	24.2	0.4	-619.4	-20294	-19708	-3.8	24.2	915.9	
		Viento +Y exc.-	-776.4	-5.0	116.2	-1.4	30.7	0.1	-776.4	-25422	-24701	-1.4	30.7	1048.9	
		Viento -Y exc.+	619.4	16.6	-91.4	3.8	-24.2	-0.4	619.4	20294	19708	3.8	-24.2	-915.9	
		Viento -Y exc.-	776.4	5.0	-116.2	1.4	-30.7	-0.1	776.4	25422	24701	1.4	-30.7	-1049	
P48 [40.738;31.965;0.0 grados] (70x70)	-0.10/4.90	Peso propio	2043.3	-11.5	23.3	-8.3	8.8	0.1	2043.3	83227	65336	-8.3	8.8	621.6	
		Cargas muertas	837.2	-12.3	8.7	-5.8	3.6	0.0	837.2	34095	26771	-5.8	3.6	332.2	
		H I	0.1	-0.3	-0.0	-0.1	0.0	0.0	0.1	3.7	3.2	-0.1	0.0	3.8	
		Sobrecarga de uso	717.9	-5.4	8.6	-3.5	3.2	0.0	717.9	29240	22956	-3.5	3.2	243.6	
		Viento +X exc.+	-38.5	69.2	3.2	13.9	1.0	-0.1	-38.5	-1497	-1226	13.9	1.0	-402.9	
		Viento +X exc.-	-32.9	68.4	2.3	13.7	0.7	-0.1	-32.9	-1272	-1050	13.7	0.7	-406.8	
		Viento -X exc.+	38.5	-69.2	-3.2	-13.9	-1.0	0.1	38.5	1497.4	1226.0	-13.9	-1.0	402.9	
		Viento -X exc.-	32.9	-68.4	-2.3	-13.7	-0.7	0.1	32.9	1272.4	1049.7	-13.7	-0.7	406.8	
		Viento +Y exc.+	-644.1	-15.6	107.5	-2.9	28.1	0.4	-644.1	-26255	-20482	-2.9	28.1	1236.7	
		Viento +Y exc.-	-735.5	-4.0	121.1	-0.3	31.7	0.1	-735.5	-29965	-23388	-0.3	31.7	1300.4	
		Viento -Y exc.+	644.1	15.6	-107.5	2.9	-28.1	-0.4	644.1	26255	20482	2.9	-28.1	-1237	
		Viento -Y exc.-	735.5	4.0	-121.1	0.3	-31.7	-0.1	735.5	29965	23388	0.3	-31.7	-1300	
P65 [0.738;13.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1465.0	-79.6	17.5	-36.7	9.5	0.0	1465.0	1001.3	19743	-36.7	9.5	501.0	
		Cargas muertas	684.8	4.6	-9.8	7.5	-5.7	0.0	684.8	509.9	9210.6	7.5	-5.7	-105.6	
		H I	-0.3	14.2	0.0	3.7	0.0	0.0	-0.3	13.9	-4.7	3.7	0.0	-49.9	
		Sobrecarga de uso	410.1	-22.1	-1.4	-10.5	-1.1	0.0	410.1	280.5	5520.3	-10.5	-1.1	140.5	
		Viento +X exc.+	-24.0	56.1	16.1	18.7	5.1	-0.1	-24.0	38.4	-307.0	18.7	5.1	-247.6	
		Viento +X exc.-	-24.6	56.8	12.2	18.9	3.8	-0.0	-24.6	38.6	-318.9	18.9	3.8	-251.2	
		Viento -X exc.+	24.0	-56.1	-16.1	-18.7	-5.1	0.1	24.0	-38.4	307.0	-18.7	-5.1	247.6	
		Viento -X exc.-	24.6	-56.8	-12.2	-18.9	-3.8	0.0	24.6	-38.6	318.9	-18.9	-3.8	251.2	
		Viento +Y exc.+	-7.8	12.2	22.2	3.7	7.2	0.2	-7.8	6.5	-82.4	3.7	7.2	-44.9	
		Viento +Y exc.-	1.0	3.3	78.8	0.9	25.0	0.1	1.0	4.0	92.4	0.9	25.0	5.9	
		Viento -Y exc.+	7.8	-12.2	-22.2	-3.7	-7.2	-0.2	7.8	-6.5	82.4	-3.7	-7.2	44.9	
		Viento -Y exc.-	-1.0	-3.3	-78.8	-0.9	-25.0	-0.1	-1.0	-4.0	-92.4	-0.9	-25.0	-5.9	
P66 [8.738;13.465;0.0 grados] (50x100)	-0.10/4.78	Peso propio	2287.5	-7.4	46.0	-0.2	21.6	0.0	2287.5	19981	30847	-0.2	21.6	191.0	
		Cargas muertas	911.1	-4.4	-19.1	-0.5	-11.7	0.0	911.1	7957.0	12249	-0.5	-11.7	-95.3	
		H I	0.8	-2.1	-1.6	-0.6	-0.3	0.0	0.8	5.0	9.4	-0.6	-0.3	4.8	
		Sobrecarga de uso	656.1	-1.0	3.1	0.4	-1.2	0.0	656.1	5732.0	8837.5	0.4	-1.2	-16.0	
		Viento +X exc.+	11.3	59.5	33.1	20.7	7.4	-0.1	11.3	158.5	185.7	20.7	7.4	-213.5	
		Viento +X exc.-	10.7	60.2	25.4	20.9	5.9	-0.1	10.7	153.3	169.0	20.9	5.9	-230.5	
		Viento -X exc.+	-11.3	-59.5	-33.1	-20.7	-7.4	0.1	-11.3	-158.5	-185.7	-20.7	-7.4	213.5	
		Viento -X exc.-	-10.7	-60.2	-25.4	-20.9	-5.9	0.1	-10.7	-153.3	-169.0	-20.9	-5.9	230.5	
		Viento +Y exc.+	12.0	12.3	81.5	3.8	17.4	0.4	12.0	117.4	243.6	3.8	17.4	101.8	
		Viento +Y exc.-	22.1	2.6	190.8	0.5	38.4	0.1	22.1	195.8	488.5	0.5	38.4	328.9	
		Viento -Y exc.+	-12.0	-12.3	-81.5	-3.8	-17.4	-0.4	-12.0	-117.4	-243.6	-3.8	-17.4	-101.8	
		Viento -Y exc.-	-22.1	-2.6	-190.8	-0.5	-38.4	-0.1	-22.1	-195.8	-488.5	-0.5	-38.4	-328.9	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P67 [16.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	1780.0	12.9	-38.7	2.7	-21.8	0.0	1780.0	29806	23929	2.7	-21.8	-401.0
		Cargas muertas	612.4	4.1	-17.0	0.6	-13.2	0.0	612.4	10254	8228.6	0.6	-13.2	-228.2
		H 1	0.0	0.0	-1.6	-0.0	-0.3	0.0	0.0	0.7	-1.0	-0.0	-0.3	-4.7
		Sobrecarga de uso	515.2	3.8	-13.6	1.0	-8.6	0.0	515.2	8627.3	6923.7	1.0	-8.6	-157.4
		Viento +X exc.+	2.3	48.0	17.1	15.8	3.2	-0.1	2.3	86.1	47.8	15.8	3.2	-159.9
		Viento +X exc.-	1.6	48.6	13.1	16.0	2.5	-0.1	1.6	75.9	35.1	16.0	2.5	-173.5
		Viento -X exc.+	-2.3	-48.0	-17.1	-15.8	-3.2	0.1	-2.3	-86.1	-47.8	-15.8	-3.2	159.9
		Viento -X exc.-	-1.6	-48.6	-13.1	-16.0	-2.5	0.1	-1.6	-75.9	-35.1	-16.0	-2.5	173.5
		Viento +Y exc.+	11.4	9.8	72.1	2.8	11.9	0.3	11.4	201.0	226.0	2.8	11.9	161.6
		Viento +Y exc.-	21.2	2.4	129.6	0.6	20.5	0.1	21.2	358.0	415.7	0.6	20.5	336.1
		Viento -Y exc.+	-11.4	-9.8	-72.1	-2.8	-11.9	-0.3	-11.4	-201.0	-226.0	-2.8	-11.9	-161.6
		Viento -Y exc.-	-21.2	-2.4	-129.6	-0.6	-20.5	-0.1	-21.2	-358.0	-415.7	-0.6	-20.5	-336.1
P68 [24.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	1992.1	19.4	44.6	7.2	23.5	0.0	1992.1	49300	26868	7.2	23.5	484.3
		Cargas muertas	554.4	10.5	-5.8	3.3	-6.5	0.0	554.4	13725	7458.9	3.3	-6.5	-205.9
		H 1	0.2	-0.4	-1.5	-0.1	-0.3	0.0	0.2	5.4	1.6	-0.1	-0.3	-6.0
		Sobrecarga de uso	562.7	3.5	11.5	1.2	5.1	0.0	562.7	13922	7587.6	1.2	5.1	110.6
		Viento +X exc.+	3.1	52.4	13.5	18.4	2.9	-0.1	3.1	129.3	55.3	18.4	2.9	-176.5
		Viento +X exc.-	2.4	52.9	10.0	18.6	2.1	-0.1	2.4	112.1	42.2	18.6	2.1	-197.4
		Viento -X exc.+	-3.1	-52.4	-13.5	-18.4	-2.9	0.1	-3.1	-129.3	-55.3	-18.4	-2.9	176.5
		Viento -X exc.-	-2.4	-52.9	-10.0	-18.6	-2.1	0.1	-2.4	-112.1	-42.2	-18.6	-2.1	197.4
		Viento +Y exc.+	19.6	11.8	103.3	3.9	22.2	0.3	19.6	495.5	366.5	3.9	22.2	496.0
		Viento +Y exc.-	30.5	4.0	152.6	1.5	32.3	0.1	30.5	757.8	562.9	1.5	32.3	780.1
		Viento -Y exc.+	-19.6	-11.8	-103.3	-3.9	-22.2	-0.3	-19.6	-495.5	-366.5	-3.9	-22.2	-496.0
		Viento -Y exc.-	-30.5	-4.0	-152.6	-1.5	-32.3	-0.1	-30.5	-757.8	-562.9	-1.5	-32.3	-780.1
P69 [32.738;13.465;0.0 grados] (Diámetro 60)	-0.10/4.78	Peso propio	1656.4	9.6	-9.7	4.0	-4.0	0.0	1656.4	54237	22293	4.0	-4.0	-184.6
		Cargas muertas	563.6	4.1	-14.6	2.0	-7.9	0.0	563.6	18456	7574.6	2.0	-7.9	-283.7
		H 1	-0.1	-0.2	-0.1	-0.1	-0.0	0.0	-0.1	-3.9	-1.6	-0.1	-0.0	0.3
		Sobrecarga de uso	514.2	0.9	2.8	0.1	1.9	0.0	514.2	16836	6926.8	0.1	1.9	61.7
		Viento +X exc.+	3.4	39.2	2.5	14.1	0.8	-0.0	3.4	150.7	48.4	14.1	0.8	-165.6
		Viento +X exc.-	2.9	39.6	1.8	14.3	0.5	-0.0	2.9	135.8	41.3	14.3	0.5	-175.6
		Viento -X exc.+	-3.4	-39.2	-2.5	-14.1	-0.8	0.0	-3.4	-150.7	-48.4	-14.1	-0.8	165.6
		Viento -X exc.-	-2.9	-39.6	-1.8	-14.3	-0.5	0.0	-2.9	-135.8	-41.3	-14.3	-0.5	175.6
		Viento +Y exc.+	26.9	8.4	41.0	2.8	13.4	0.2	26.9	889.5	403.3	2.8	13.4	399.5
		Viento +Y exc.-	34.2	2.2	51.9	0.7	16.9	0.0	34.2	1121.1	512.1	0.7	16.9	543.1
		Viento -Y exc.+	-26.9	-8.4	-41.0	-2.8	-13.4	-0.2	-26.9	-889.5	-403.3	-2.8	-13.4	-399.5
		Viento -Y exc.-	-34.2	-2.2	-51.9	-0.7	-16.9	-0.0	-34.2	-1121.1	-512.1	-0.7	-16.9	-543.1
P70 [40.738;13.465;0.0 grados] (Diámetro 60)	-0.10/4.78	Peso propio	1571.1	2.0	5.7	0.6	4.5	0.0	1571.1	64004	21160	0.6	4.5	173.5
		Cargas muertas	397.1	-3.4	-2.4	-1.8	-1.6	0.0	397.1	16172	5344.1	-1.8	-1.6	-41.3
		H 1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	-0.1	-3.6	-1.3	-0.0	-0.0	-0.3
		Sobrecarga de uso	489.7	2.1	8.0	1.1	4.9	0.0	489.7	19952	6602.1	1.1	4.9	186.0
		Viento +X exc.+	-4.6	39.5	1.8	14.4	0.7	-0.0	-4.6	-149.4	-60.6	14.4	0.7	-163.8
		Viento +X exc.-	-4.9	40.0	1.4	14.6	0.6	-0.0	-4.9	-161.2	-65.1	14.6	0.6	-171.3
		Viento -X exc.+	4.6	-39.5	-1.8	-14.4	-0.7	0.0	4.6	149.4	60.6	-14.4	-0.7	163.8
		Viento -X exc.-	4.9	-40.0	-1.4	-14.6	-0.6	0.0	4.9	161.2	65.1	-14.6	-0.6	171.3
		Viento +Y exc.+	29.8	8.8	47.4	3.1	15.2	0.2	29.8	1223.0	448.7	3.1	15.2	579.2
		Viento +Y exc.-	34.5	2.6	53.5	0.9	17.2	0.0	34.5	1409.2	518.4	0.9	17.2	689.1
		Viento -Y exc.+	-29.8	-8.8	-47.4	-3.1	-15.2	-0.2	-29.8	-1223.0	-448.7	-3.1	-15.2	-579.2
		Viento -Y exc.-	-34.5	-2.6	-53.5	-0.9	-17.2	-0.0	-34.5	-1409.2	-518.4	-0.9	-17.2	-689.1
P71 [48.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	2052.6	-10.5	113.1	-8.5	57.0	0.0	2052.6	100027	27751	-8.5	57.0	2890.7
		Cargas muertas	918.0	4.4	38.1	1.2	14.8	0.0	918.0	44744	12398	1.2	14.8	707.3
		H 1	0.1	-0.2	-1.1	-0.1	-0.2	0.0	0.1	6.2	0.7	-0.1	-0.2	-9.3
		Sobrecarga de uso	568.3	-4.0	33.9	-1.9	15.6	0.0	568.3	27694	7686.1	-1.9	15.6	787.1
		Viento +X exc.+	3.2	52.4	0.6	17.5	0.7	-0.1	3.2	210.4	44.3	17.5	0.7	-203.6
		Viento +X exc.-	3.3	53.0	0.5	17.7	0.6	-0.1	3.3	215.3	45.3	17.7	0.6	-207.4
		Viento -X exc.+	-3.2	-52.4	-0.6	-17.5	-0.7	0.1	-3.2	-210.4	-44.3	-17.5	-0.7	203.6
		Viento -X exc.-	-3.3	-53.0	-0.5	-17.7	-0.6	0.1	-3.3	-215.3	-45.3	-17.7	-0.6	207.4
		Viento +Y exc.+	33.2	10.9	173.6	3.2	35.0	0.3	33.2	1627.2	620.2	3.2	35.0	1661.6
		Viento +Y exc.-	31.9	3.0	176.8	0.8	35.7	0.1	31.9	1559.5	606.8	0.8	35.7	1729.0
		Viento -Y exc.+	-33.2	-10.9	-173.6	-3.2	-35.0	-0.3	-33.2	-1627.2	-620.2	-3.2	-35.0	-1661.6
		Viento -Y exc.-	-31.9	-3.0	-176.8	-0.8	-35.7	-0.1	-31.9	-1559.5	-606.8	-0.8	-35.7	-1729.0
P72 [56.738;13.465;0.0 grados] (Diámetro 90)	-0.10/4.78	Peso propio	2070.2	7.9	74.5	1.3	34.8	0.1	2070.2	117464	27949	1.3	34.8	1959.8
		Cargas muertas	589.7	0.3	7.3	-1.5	-0.5	0.0	589.7	33460	7947.8	-1.5	-0.5	-7.2
		H 1	0.2	-0.5	-1.6	-0.2	-0.3	0.0	0.2	8.4	0.5	-0.2	-0.3	-14.4
		Sobrecarga de uso	587.5	2.7	20.2	-0.4	6.0	0.0	587.5	33334	7930.2	-0.4	6.0	347.2
		Viento +X exc.+	-2.9	144.2	-5.3	45.6	-0.9	-0.2	-2.9	-22.9	-44.9	45.6	-0.9	-667.1
		Viento +X exc.-	-2.8	145.8	-4.3	46.1	-0.7	-0.1	-2.8	-13.4	-42.1	46.1	-0.7	-661.8



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	2.9	-144.2	5.3	-45.6	0.9	0.2	2.9	22.9	44.9	-45.6	0.9	667.1
		Viento -X exc.-	2.8	-145.8	4.3	-46.1	0.7	0.1	2.8	13.4	42.1	-46.1	0.7	661.8
		Viento +Y exc.+	34.0	32.2	199.6	9.5	39.4	0.9	34.0	1962.9	657.8	9.5	39.4	2110.3
		Viento +Y exc.-	32.2	9.0	186.7	2.6	37.0	0.2	32.2	1833.1	619.6	2.6	37.0	2067.2
		Viento -Y exc.+	-34.0	-32.2	-199.6	-9.5	-39.4	-0.9	-34.0	-1963	-657.8	-9.5	-39.4	-2110
		Viento -Y exc.-	-32.2	-9.0	-186.7	-2.6	-37.0	-0.2	-32.2	-1833	-619.6	-2.6	-37.0	-2067
P73 [64.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	1974.9	3.2	60.1	1.8	27.0	0.0	1974.9	127852	26651	1.8	27.0	1723.2
		Cargas muertas	582.7	2.4	2.4	1.6	-1.7	0.0	582.7	37728	7848.9	1.6	-1.7	-128.8
		H I	0.1	-0.2	-2.0	-0.1	-0.4	0.0	0.1	9.3	-0.1	-0.1	-0.4	-25.4
		Sobrecarga de uso	567.9	1.2	12.9	0.8	3.0	0.0	567.9	36765	7659.5	0.8	3.0	183.8
		Viento +X exc.+	-0.2	52.7	-9.8	18.7	-2.2	-0.1	-0.2	37.1	-13.0	18.7	-2.2	-391.9
		Viento +X exc.-	0.1	53.3	-7.9	18.9	-1.8	-0.1	0.1	62.5	-5.9	18.9	-1.8	-370.0
		Viento -X exc.+	0.2	-52.7	9.8	-18.7	2.2	0.1	0.2	-37.1	13.0	-18.7	2.2	391.9
		Viento -X exc.-	-0.1	-53.3	7.9	-18.9	1.8	0.1	-0.1	-62.5	5.9	-18.9	1.8	370.0
		Viento +Y exc.+	41.4	10.9	195.1	3.5	37.1	0.3	41.4	2692.7	752.9	3.5	37.1	2352.9
		Viento +Y exc.-	35.9	2.8	169.7	0.8	32.5	0.1	35.9	2326.3	653.0	0.8	32.5	2093.4
		Viento -Y exc.+	-41.4	-10.9	-195.1	-3.5	-37.1	-0.3	-41.4	-2693	-752.9	-3.5	-37.1	-2353
		Viento -Y exc.-	-35.9	-2.8	-169.7	-0.8	-32.5	-0.1	-35.9	-2326	-653.0	-0.8	-32.5	-2093
P74 [72.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	2043.5	-3.7	86.6	-2.2	43.8	0.0	2043.5	148639	27602	-2.2	43.8	3216.0
		Cargas muertas	748.5	-1.1	11.3	-0.8	4.5	0.0	748.5	54441	10089	-0.8	4.5	338.1
		H I	0.2	-0.2	-1.8	-0.1	-0.3	0.0	0.2	10.7	0.3	-0.1	-0.3	-23.1
		Sobrecarga de uso	572.5	-1.9	27.8	-0.8	10.5	0.0	572.5	41639	7736.2	-0.8	10.5	771.7
		Viento +X exc.+	-2.8	52.5	-15.0	18.5	-3.3	-0.1	-2.8	-152.3	-52.9	18.5	-3.3	-491.2
		Viento +X exc.-	-2.2	53.1	-11.9	18.7	-2.7	-0.1	-2.2	-108.5	-41.9	18.7	-2.7	-448.5
		Viento -X exc.+	2.8	-52.5	15.0	-18.5	3.3	0.1	2.8	152.3	52.9	-18.5	3.3	491.2
		Viento -X exc.-	2.2	-53.1	11.9	-18.7	2.7	0.1	2.2	108.5	41.9	-18.7	2.7	448.5
		Viento +Y exc.+	46.4	10.7	225.0	3.3	43.3	0.3	46.4	3386.9	850.0	3.3	43.3	3106.6
		Viento +Y exc.-	37.7	2.7	183.5	0.7	35.6	0.1	37.7	2743.0	690.8	0.7	35.6	2579.4
		Viento -Y exc.+	-46.4	-10.7	-225.0	-3.3	-43.3	-0.3	-46.4	-3387	-850.0	-3.3	-43.3	-3107
		Viento -Y exc.-	-37.7	-2.7	-183.5	-0.7	-35.6	-0.1	-37.7	-2743	-690.8	-0.7	-35.6	-2579
P75 [80.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	1930.2	2.4	83.2	1.5	41.2	0.0	1930.2	155842	26073	1.5	41.2	3307.5
		Cargas muertas	534.4	1.7	13.7	0.9	4.2	0.0	534.4	43146	7209.0	0.9	4.2	328.7
		H I	0.2	-0.2	-2.0	-0.1	-0.4	0.0	0.2	12.4	0.0	-0.1	-0.4	-31.5
		Sobrecarga de uso	550.0	-0.7	34.1	-0.1	11.8	0.0	550.0	44407	7440.1	-0.1	11.8	953.0
		Viento +X exc.+	-2.8	51.4	-18.6	17.9	-3.9	-0.1	-2.8	-173.5	-56.1	17.9	-3.9	-559.9
		Viento +X exc.-	-2.0	52.0	-14.6	18.1	-3.2	-0.1	-2.0	-112.3	-42.0	18.1	-3.2	-499.7
		Viento -X exc.+	2.8	-51.4	18.6	-17.9	3.9	0.1	2.8	173.5	56.1	-17.9	3.9	559.9
		Viento -X exc.-	2.0	-52.0	14.6	-18.1	3.2	0.1	2.0	112.3	42.0	-18.1	3.2	499.7
		Viento +Y exc.+	47.7	10.9	233.3	3.5	43.3	0.3	47.7	3858.6	875.0	3.5	43.3	3445.7
		Viento +Y exc.-	36.6	3.0	179.8	0.9	33.6	0.1	36.6	2954.4	672.0	0.9	33.6	2699.9
		Viento -Y exc.+	-47.7	-10.9	-233.3	-3.5	-43.3	-0.3	-47.7	-3859	-875.0	-3.5	-43.3	-3446
		Viento -Y exc.-	-36.6	-3.0	-179.8	-0.9	-33.6	-0.1	-36.6	-2954	-672.0	-0.9	-33.6	-2700
P76 [88.738;13.465;0.0 grados] (50x90)	-0.10/4.78	Peso propio	1987.6	1.7	75.3	-0.2	34.7	0.0	1987.6	176376	26838	-0.2	34.7	3079.1
		Cargas muertas	609.3	0.3	6.2	-0.4	-1.8	0.0	609.3	54067	8210.1	-0.4	-1.8	-149.6
		H I	0.2	-0.2	-1.9	-0.1	-0.4	0.0	0.2	14.0	0.2	-0.1	-0.4	-31.4
		Sobrecarga de uso	576.8	3.2	23.9	0.5	7.8	0.0	576.8	51187	7790.3	0.5	7.8	684.1
		Viento +X exc.+	-5.1	51.2	-23.4	17.9	-5.2	-0.1	-5.1	-398.3	-91.6	17.9	-5.2	-701.7
		Viento +X exc.-	-4.2	51.8	-18.5	18.1	-4.2	-0.1	-4.2	-321.5	-75.1	18.1	-4.2	-614.9
		Viento -X exc.+	5.1	-51.2	23.4	-17.9	5.2	0.1	5.1	398.3	91.6	-17.9	5.2	701.7
		Viento -X exc.-	4.2	-51.8	18.5	-18.1	4.2	0.1	4.2	321.5	75.1	-18.1	4.2	614.9
		Viento +Y exc.+	48.2	11.1	254.8	3.6	48.3	0.3	48.2	4287.9	903.8	3.6	48.3	4234.3
		Viento +Y exc.-	35.5	3.2	186.7	1.0	35.6	0.1	35.5	3154.7	664.9	1.0	35.6	3145.1
		Viento -Y exc.+	-48.2	-11.1	-254.8	-3.6	-48.3	-0.3	-48.2	-4288	-903.8	-3.6	-48.3	-4234
		Viento -Y exc.-	-35.5	-3.2	-186.7	-1.0	-35.6	-0.1	-35.5	-3155	-664.9	-1.0	-35.6	-3145
P77 [96.738;13.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1932.4	5.1	52.7	2.6	26.7	0.0	1932.4	186940	26072	2.6	26.7	2544.0
		Cargas muertas	576.1	-3.7	-2.0	-0.7	-1.4	0.0	576.1	55725	7754.8	-0.7	-1.4	-129.7
		H I	0.2	-0.2	-1.0	-0.1	-0.2	0.0	0.2	15.2	1.2	-0.1	-0.2	-17.2
		Sobrecarga de uso	572.1	-1.1	23.7	-0.1	10.5	0.0	572.1	55345	7727.3	-0.1	10.5	1016.1
		Viento +X exc.+	-2.8	57.1	-14.5	19.2	-4.3	-0.1	-2.8	-216.2	-52.5	19.2	-4.3	-678.1
		Viento +X exc.-	-1.8	57.8	-11.5	19.4	-3.5	-0.0	-1.8	-120.5	-36.3	19.4	-3.5	-597.6
		Viento -X exc.+	2.8	-57.1	14.5	-19.2	4.3	0.1	2.8	216.2	52.5	-19.2	4.3	678.1
		Viento -X exc.-	1.8	-57.8	11.5	-19.4	3.5	0.0	1.8	120.5	36.3	-19.4	3.5	597.6
		Viento +Y exc.+	48.6	12.7	141.3	4.0	39.0	0.2	48.6	4714.4	795.8	4.0	39.0	3714.4
		Viento +Y exc.-	34.0	3.8	99.0	1.2	27.3	0.1	34.0	3297.4	557.4	1.2	27.3	2628.2
		Viento -Y exc.+	-48.6	-12.7	-141.3	-4.0	-39.0	-0.2	-48.6	-4714	-795.8	-4.0	-39.0	-3714
		Viento -Y exc.-	-34.0	-3.8	-99.0	-1.2	-27.3	-0.1	-34.0	-3297	-557.4	-1.2	-27.3	-2628



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
P78 [104.675;13.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1865.0	-16.8	105.3	-6.8	53.4	0.0	1865.0	195198	25217	-6.8	53.4	5682.6	
		Cargas muertas	802.1	-9.9	6.0	-5.1	3.0	0.0	802.1	83948	10806	-5.1	3.0	378.6	
		H 1	0.1	-0.2	-0.9	-0.1	-0.2	0.0	0.1	7.6	0.1	-0.1	-0.2	-18.4	
		Sobrecarga de uso	565.0	-5.2	44.1	-2.1	20.7	0.0	565.0	59137	7651.8	-2.1	20.7	2189.8	
		Viento +X exc.+	-2.6	49.9	-15.9	15.2	-4.5	-0.1	-2.6	-221.5	-50.8	15.2	-4.5	-674.4	
		Viento +X exc.-	-1.5	50.4	-12.4	15.3	-3.5	-0.0	-1.5	-103.5	-32.2	15.3	-3.5	-577.5	
		Viento -X exc.+	2.6	-49.9	15.9	-15.2	4.5	0.1	2.6	221.5	50.8	-15.2	4.5	674.4	
		Viento -X exc.-	1.5	-50.4	12.4	-15.3	3.5	0.0	1.5	103.5	32.2	-15.3	3.5	577.5	
		Viento +Y exc.+	50.1	10.1	146.3	2.5	39.0	0.2	50.1	5257.5	821.3	2.5	39.0	4045.4	
		Viento +Y exc.-	33.5	2.7	98.4	0.6	26.3	0.1	33.5	3510.5	549.6	0.6	26.3	2742.8	
		Viento -Y exc.+	-50.1	-10.1	-146.3	-2.5	-39.0	-0.2	-50.1	-5257	-821.3	-2.5	-39.0	-4045	
		Viento -Y exc.-	-33.5	-2.7	-98.4	-0.6	-26.3	-0.1	-33.5	-3510	-549.6	-0.6	-26.3	-2743	
P79 [112.675;13.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1950.4	-34.5	76.5	-18.3	32.6	0.0	1950.4	219722	26338	-18.3	32.6	3916.9	
		Cargas muertas	560.3	-5.6	3.7	-2.7	-0.4	0.0	560.3	63128	7548.3	-2.7	-0.4	-13.7	
		H 1	0.3	0.7	-0.2	0.1	-0.0	0.0	0.3	37.7	4.2	0.1	-0.0	-2.4	
		Sobrecarga de uso	628.2	-10.8	34.7	-5.7	13.9	0.0	628.2	70772	8493.4	-5.7	13.9	1640.0	
		Viento +X exc.+	-13.8	57.5	-18.0	18.8	-5.4	-0.1	-13.8	-1495	-203.5	18.8	-5.4	-858.3	
		Viento +X exc.-	-13.0	58.1	-14.0	19.0	-4.2	-0.0	-13.0	-1410	-189.4	19.0	-4.2	-727.7	
		Viento -X exc.+	13.8	-57.5	18.0	-18.8	5.4	0.1	13.8	1494.5	203.5	-18.8	5.4	858.3	
		Viento -X exc.-	13.0	-58.1	14.0	-19.0	4.2	0.0	13.0	1409.7	189.4	-19.0	4.2	727.7	
		Viento +Y exc.+	33.3	9.7	159.1	2.0	45.9	0.2	33.3	3761.1	607.4	2.0	45.9	5143.7	
		Viento +Y exc.-	22.4	1.8	103.3	-0.0	29.9	0.1	22.4	2527.6	405.1	-0.0	29.9	3366.5	
		Viento -Y exc.+	-33.3	-9.7	-159.1	-2.0	-45.9	-0.2	-33.3	-3761	-607.4	-2.0	-45.9	-5144	
		Viento -Y exc.-	-22.4	-1.8	-103.3	0.0	-29.9	-0.1	-22.4	-2528	-405.1	0.0	-29.9	-3366	
P80 [120.688;13.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1405.2	93.6	25.8	42.2	7.0	0.0	1405.2	169689	18947	42.2	7.0	279.2	
		Cargas muertas	646.2	-9.3	6.2	-11.0	0.5	0.0	646.2	77978	8707.0	-11.0	0.5	204.3	
		H 1	-0.1	-5.5	-0.1	-1.4	0.0	0.0	-0.1	-20.1	-1.7	-1.4	0.0	21.5	
		Sobrecarga de uso	416.1	29.1	5.1	13.6	0.9	0.0	416.1	50251	5608.3	13.6	0.9	-79.0	
		Viento +X exc.+	22.8	56.5	-24.4	17.9	-7.6	-0.1	22.8	2808.2	282.5	17.9	-7.6	-1159	
		Viento +X exc.-	23.3	57.2	-18.9	18.1	-5.9	-0.0	23.3	2873.0	295.3	18.1	-5.9	-953.4	
		Viento -X exc.+	-22.8	-56.5	24.4	-17.9	7.6	0.1	-22.8	-2808	-282.5	-17.9	7.6	1159.5	
		Viento -X exc.-	-23.3	-57.2	18.9	-18.1	5.9	0.0	-23.3	-2873	-295.3	-18.1	5.9	953.4	
		Viento +Y exc.+	14.3	15.1	210.0	4.8	64.7	0.2	14.3	1745.2	403.1	4.8	64.7	7740.8	
		Viento +Y exc.-	6.6	5.3	131.5	1.8	40.6	0.1	6.6	802.3	220.4	1.8	40.6	4870.0	
		Viento -Y exc.+	-14.3	-15.1	-210.0	-4.8	-64.7	-0.2	-14.3	-1745	-403.1	-4.8	-64.7	-7741	
		Viento -Y exc.-	-6.6	-5.3	-131.5	-1.8	-40.6	-0.1	-6.6	-802.3	-220.4	-1.8	-40.6	-4870	
P83 [0.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	915.1	-23.1	-96.8	-15.9	-57.9	0.0	915.1	652.1	328.5	-15.9	-57.9	-35.3	
		Cargas muertas	511.7	16.6	-38.7	8.9	-22.8	0.0	511.7	394.2	199.2	8.9	-22.8	-21.0	
		H 1	-0.2	1.2	1.1	0.3	0.2	0.0	-0.2	1.0	1.0	0.3	0.2	0.1	
		Sobrecarga de uso	267.2	-6.8	-18.9	-4.6	-11.4	0.0	267.2	190.3	105.3	-4.6	-11.4	-6.3	
		Viento +X exc.+	-22.9	54.3	15.4	16.9	4.9	-0.1	-22.9	37.4	4.8	16.9	4.9	-4.3	
		Viento +X exc.-	-22.8	55.9	11.8	17.4	3.8	-0.0	-22.8	39.1	1.3	17.4	3.8	-5.3	
		Viento -X exc.+	22.9	-54.3	-15.4	-16.9	-4.9	0.1	22.9	-37.4	-4.8	-16.9	-4.9	4.3	
		Viento -X exc.-	22.8	-55.9	-11.8	-17.4	-3.8	0.0	22.8	-39.1	-1.3	-17.4	-3.8	5.3	
		Viento +Y exc.+	-18.1	32.0	20.5	9.6	6.5	0.2	-18.1	18.7	12.0	9.6	6.5	0.6	
		Viento +Y exc.-	-20.6	8.6	71.8	2.6	21.4	0.1	-20.6	-6.6	62.2	2.6	21.4	14.6	
		Viento -Y exc.+	18.1	-32.0	-20.5	-9.6	-6.5	-0.2	18.1	-18.7	-12.0	-9.6	-6.5	-0.6	
		Viento -Y exc.-	20.6	-8.6	-71.8	-2.6	-21.4	-0.1	20.6	6.6	-62.2	-2.6	-21.4	-14.6	
P84 [8.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1255.2	12.2	-173.6	5.1	-85.1	0.0	1255.2	10980	409.9	5.1	-85.1	-746.3	
		Cargas muertas	498.3	2.1	-22.9	0.4	-6.1	0.0	498.3	4356.1	208.7	0.4	-6.1	-53.6	
		H 1	0.0	-0.2	12.7	-0.1	3.3	0.0	0.0	-0.1	12.7	-0.1	3.3	28.5	
		Sobrecarga de uso	406.9	2.9	-40.4	1.3	-19.1	0.0	406.9	3558.4	148.7	1.3	-19.1	-167.7	
		Viento +X exc.+	1.7	62.8	11.7	21.6	3.6	-0.1	1.7	78.0	12.5	21.6	3.6	21.6	
		Viento +X exc.-	3.0	64.7	8.8	22.2	2.7	-0.0	3.0	90.9	10.2	22.2	2.7	13.3	
		Viento -X exc.+	-1.7	-62.8	-11.7	-21.6	-3.6	0.1	-1.7	-78.0	-12.5	-21.6	-3.6	-21.6	
		Viento -X exc.-	-3.0	-64.7	-8.8	-22.2	-2.7	0.0	-3.0	-90.9	-10.2	-22.2	-2.7	-13.3	
		Viento +Y exc.+	-8.8	37.9	30.8	12.7	9.9	0.2	-8.8	-38.8	26.7	12.7	9.9	81.3	
		Viento +Y exc.-	-27.8	10.6	72.9	3.5	23.0	0.1	-27.8	-232.7	60.0	3.5	23.0	199.7	
		Viento -Y exc.+	8.8	-37.9	-30.8	-12.7	-9.9	-0.2	8.8	38.8	-26.7	-12.7	-9.9	-81.3	
		Viento -Y exc.-	27.8	-10.6	-72.9	-3.5	-23.0	-0.1	27.8	-232.7	-60.0	-3.5	-23.0	-199.7	
P85 [16.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1228.3	12.7	-205.0	5.3	-101.0	0.0	1228.3	20571	366.0	5.3	-101.0	-1692	
		Cargas muertas	498.3	7.5	-34.6	3.6	-9.9	0.0	498.3	8348.3	197.1	3.6	-9.9	-168.2	
		H 1	-0.2	-0.3	12.3	-0.1	3.1	0.0	-0.2	-4.3	12.2	-0.1	3.1	52.7	
		Sobrecarga de uso	393.9	3.0	-48.6	1.3	-23.2	0.0	393.9	6595.9	134.5	1.3	-23.2	-388.1	
		Viento +X exc.+	-4.0	61.3	10.1	20.7	3.3	-0.1	-4.0	-4.8	8.2	20.7	3.3	46.1	



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	4.0	-61.3	-10.1	-20.7	-3.3	0.1	4.0	4.8	-8.2	-20.7	-3.3	-46.1
		Viento -X exc.-	3.2	-63.2	-7.7	-21.3	-2.6	0.0	3.2	-10.1	-6.2	-21.3	-2.6	-33.2
		Viento +Y exc.+	-14.9	36.9	43.2	12.1	14.0	0.2	-14.9	-213.0	36.3	12.1	14.0	229.7
		Viento +Y exc.-	-26.9	10.4	77.6	3.3	24.9	0.1	-26.9	-439.6	65.2	3.3	24.9	414.9
		Viento -Y exc.+	14.9	-36.9	-43.2	-12.1	-14.0	-0.2	14.9	213.0	-36.3	-12.1	-14.0	-229.7
		Viento -Y exc.-	26.9	-10.4	-77.6	-3.3	-24.9	-0.1	26.9	439.6	-65.2	-3.3	-24.9	-414.9
P86 [24.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1215.2	8.8	-145.8	2.9	-68.8	0.0	1215.2	30071	418.9	2.9	-68.8	-1704
		Cargas muertas	571.1	-9.6	-3.9	-6.5	6.2	0.0	571.1	14118	261.5	-6.5	6.2	157.4
		H I	-0.3	-0.3	11.8	-0.1	3.0	0.0	-0.3	-7.2	11.7	-0.1	3.0	75.2
		Sobrecarga de uso	383.6	2.5	-35.4	0.9	-16.2	0.0	383.6	9491.3	142.9	0.9	-16.2	-402.1
		Viento +X exc.+	-2.1	61.0	8.6	20.5	3.2	-0.1	-2.1	9.8	7.7	20.5	3.2	68.9
		Viento +X exc.-	-1.3	62.8	6.9	21.1	2.6	-0.0	-1.3	30.7	6.3	21.1	2.6	55.4
		Viento -X exc.+	2.1	-61.0	-8.6	-20.5	-3.2	0.1	2.1	-9.8	-7.7	-20.5	-3.2	-68.9
		Viento -X exc.-	1.3	-62.8	-6.9	-21.1	-2.6	0.0	1.3	-30.7	-6.3	-21.1	-2.6	-55.4
		Viento +Y exc.+	-23.8	38.8	54.3	13.2	17.4	0.2	-23.8	-549.8	43.3	13.2	17.4	424.7
		Viento +Y exc.-	-35.6	13.2	79.6	5.0	25.1	0.1	-35.6	-867.7	63.0	5.0	25.1	618.2
		Viento -Y exc.+	23.8	-38.8	-54.3	-13.2	-17.4	-0.2	23.8	549.8	-43.3	-13.2	-17.4	-424.7
		Viento -Y exc.-	35.6	-13.2	-79.6	-5.0	-25.1	-0.1	35.6	867.7	-63.0	-5.0	-25.1	-618.2
P81 [32.738;3.065;0.0 grados] (Diámetro 70)	-0.10/4.78	Peso propio	1621.6	30.6	-39.3	13.3	-12.2	0.0	1621.6	53117	4930.6	13.3	-12.2	-440.2
		Cargas muertas	823.1	3.6	42.9	-0.4	31.3	0.0	823.1	26951	2565.7	-0.4	31.3	1024.4
		H I	0.2	-0.7	-2.1	-0.2	-0.6	0.0	0.2	4.9	-1.6	-0.2	-0.6	-19.3
		Sobrecarga de uso	535.8	5.7	-17.2	2.1	-7.4	0.0	535.8	17548	1625.1	2.1	-7.4	-247.6
		Viento +X exc.+	-4.6	58.5	6.2	19.4	2.3	-0.1	-4.6	-92.2	-7.9	19.4	2.3	15.4
		Viento +X exc.-	-4.2	60.1	5.0	19.9	1.9	-0.1	-4.2	-77.3	-7.9	19.9	1.9	1.7
		Viento -X exc.+	4.6	-58.5	-6.2	-19.4	-2.3	0.1	4.6	92.2	7.9	-19.4	-2.3	-15.4
		Viento -X exc.-	4.2	-60.1	-5.0	-19.9	-1.9	0.1	4.2	77.3	7.9	-19.9	-1.9	-1.7
		Viento +Y exc.+	-26.4	31.4	69.6	10.2	21.3	0.3	-26.4	-834.0	-11.4	10.2	21.3	664.8
		Viento +Y exc.-	-32.8	10.1	88.0	3.6	26.7	0.1	-32.8	-1063	-12.5	3.6	26.7	862.9
		Viento -Y exc.+	26.4	-31.4	-69.6	-10.2	-21.3	-0.3	26.4	834.0	11.4	-10.2	-21.3	-664.8
		Viento -Y exc.-	32.8	-10.1	-88.0	-3.6	-26.7	-0.1	32.8	1062.8	12.5	-3.6	-26.7	-862.9
P82 [40.738;3.065;0.0 grados] (Diámetro 70)	-0.10/4.78	Peso propio	1577.1	-29.4	-51.9	-15.6	-18.9	0.0	1577.1	64220	4781.8	-15.6	-18.9	-722.3
		Cargas muertas	629.3	-10.2	33.7	-4.1	26.6	0.0	629.3	25625	1962.3	-4.1	26.6	1097.0
		H I	0.2	-0.0	-2.2	-0.1	-0.6	0.0	0.2	6.7	-1.7	-0.1	-0.6	-24.6
		Sobrecarga de uso	533.0	-6.9	-21.0	-3.5	-9.5	0.0	533.0	21707	1612.6	-3.5	-9.5	-376.1
		Viento +X exc.+	0.2	58.9	1.1	19.6	-0.0	-0.1	0.2	66.7	1.6	19.6	-0.0	-61.8
		Viento +X exc.-	0.4	60.4	0.4	20.1	-0.3	-0.1	0.4	77.0	1.6	20.1	-0.3	-72.3
		Viento -X exc.+	-0.2	-58.9	-1.1	-19.6	0.0	0.1	-0.2	-66.7	-1.6	-19.6	0.0	61.8
		Viento -X exc.-	-0.4	-60.4	-0.4	-20.1	0.3	0.1	-0.4	-77.0	-1.6	-20.1	0.3	72.3
		Viento +Y exc.+	-30.9	28.8	80.2	8.7	24.0	0.3	-30.9	-1229	-14.5	8.7	24.0	952.1
		Viento +Y exc.-	-34.3	6.8	90.7	1.6	27.3	0.1	-34.3	-1392	-14.5	1.6	27.3	1107.9
		Viento -Y exc.+	30.9	-28.8	-80.2	-8.7	-24.0	-0.3	30.9	1229.1	14.5	-8.7	-24.0	-952.1
		Viento -Y exc.-	34.3	-6.8	-90.7	-1.6	-27.3	-0.1	34.3	1391.9	14.5	-1.6	-27.3	-1108
P87a [48.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1339.3	-1.5	-186.7	-3.3	-92.9	0.0	1339.3	65272	435.9	-3.3	-92.9	-4524
		Cargas muertas	758.4	20.9	-29.6	11.3	-8.3	0.0	758.4	36982	322.9	11.3	-8.3	-408.9
		H I	-0.2	-0.3	9.5	-0.1	2.4	0.0	-0.2	-10.7	9.4	-0.1	2.4	119.3
		Sobrecarga de uso	403.6	1.8	-48.6	0.5	-23.5	0.0	403.6	19674	139.1	0.5	-23.5	-1147
		Viento +X exc.+	4.2	55.7	-2.2	17.4	-1.2	-0.1	4.2	262.7	-0.2	17.4	-1.2	-67.4
		Viento +X exc.-	4.4	57.4	-2.3	17.9	-1.3	-0.0	4.4	272.5	-0.3	17.9	-1.3	-69.9
		Viento -X exc.+	-4.2	-55.7	2.2	-17.4	1.2	0.1	-4.2	-262.7	0.2	-17.4	1.2	67.4
		Viento -X exc.-	-4.4	-57.4	2.3	-17.9	1.3	0.0	-4.4	-272.5	0.3	-17.9	1.3	69.9
		Viento +Y exc.+	-34.9	30.8	86.9	8.5	26.2	0.2	-34.9	-1672	70.7	8.5	26.2	1271.4
		Viento +Y exc.-	-37.6	6.5	89.1	1.1	27.0	0.1	-37.6	-1828	71.6	1.1	27.0	1317.4
		Viento -Y exc.+	34.9	-30.8	-86.9	-8.5	-26.2	-0.2	34.9	1671.6	-70.7	-8.5	-26.2	-1271
		Viento -Y exc.-	37.6	-6.5	-89.1	-1.1	-27.0	-0.1	37.6	1828.2	-71.6	-1.1	-27.0	-1317
P88a [56.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1187.2	10.9	-161.2	4.3	-82.0	0.0	1187.2	67367	390.6	4.3	-82.0	-4655
		Cargas muertas	507.1	1.0	-15.1	-0.3	-3.4	0.0	507.1	28773	220.6	-0.3	-3.4	-193.4
		H I	-0.1	-0.2	9.5	-0.1	2.4	0.0	-0.1	-8.6	9.4	-0.1	2.4	137.6
		Sobrecarga de uso	383.1	2.2	-40.3	0.8	-19.2	0.0	383.1	21740	137.7	0.8	-19.2	-1090
		Viento +X exc.+	-1.1	61.3	-3.1	20.7	-1.1	-0.1	-1.1	-3.9	-3.7	20.7	-1.1	-70.6
		Viento +X exc.-	-1.4	63.2	-2.6	21.4	-0.9	-0.0	-1.4	-17.1	-3.3	21.4	-0.9	-61.9
		Viento -X exc.+	1.1	-61.3	3.1	-20.7	1.1	0.1	1.1	3.9	3.7	-20.7	1.1	70.6
		Viento -X exc.-	1.4	-63.2	2.6	-21.4	0.9	0.0	1.4	17.1	3.3	-21.4	0.9	61.9
		Viento +Y exc.+	-39.5	37.4	102.9	12.3	32.4	0.2	-39.5	-2204	84.5	12.3	32.4	1835.5
		Viento +Y exc.-	-35.7	10.9	96.3	3.6	30.4	0.1	-35.7	-2015	79.7	3.6	30.4	1724.9
		Viento -Y exc.+	39.5	-37.4	-102.9	-12.3	-32.4	-0.2	39.5	2204.3	-84.5	-12.3	-32.4	-1836
		Viento -Y exc.-	35.7	-10.9	-96.3	-3.6	-30.4	-0.1	35.7	2014.7	-79.7	-3.6	-30.4	-1725



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P89a [64.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1170.9	6.3	-152.6	1.7	-77.4	0.0	1170.9	75809	391.7	1.7	-77.4	-5013
		Cargas muertas	452.9	2.7	-11.6	0.8	-1.9	0.0	452.9	29324	199.0	0.8	-1.9	-124.0
		H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	-10.6	9.5	-0.1	2.4	157.3
		Sobrecarga de uso	385.9	1.4	-36.1	0.4	-17.5	0.0	385.9	24984	143.3	0.4	-17.5	-1133
		Viento +X exc.+	1.4	60.8	-5.5	20.5	-1.7	-0.1	1.4	149.2	-4.9	20.5	-1.7	-122.5
		Viento +X exc.-	0.9	62.7	-4.4	21.1	-1.4	-0.0	0.9	123.5	-3.9	21.1	-1.4	-100.2
		Viento -X exc.+	-1.4	-60.8	5.5	-20.5	1.7	0.1	-1.4	-149.2	4.9	-20.5	1.7	122.5
		Viento -X exc.-	-0.9	-62.7	4.4	-21.1	1.4	0.0	-0.9	-123.5	3.9	-21.1	1.4	100.2
		Viento +Y exc.+	-45.9	36.8	115.1	12.0	36.3	0.2	-45.9	-2938	93.7	12.0	36.3	2345.9
		Viento +Y exc.-	-39.7	10.5	99.9	3.4	31.6	0.1	-39.7	-2561	81.5	3.4	31.6	2045.0
		Viento -Y exc.+	45.9	-36.8	-115.1	-12.0	-36.3	-0.2	45.9	2937.7	-93.7	-12.0	-36.3	-2346
		Viento -Y exc.-	39.7	-10.5	-99.9	-3.4	-31.6	-0.1	39.7	2560.8	-81.5	-3.4	-31.6	-2045
P90a [72.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1179.4	6.2	-154.5	1.7	-79.2	0.0	1179.4	85795	393.7	1.7	-79.2	-5759
		Cargas muertas	479.4	1.5	-11.8	0.1	-2.2	0.0	479.4	34874	211.0	0.1	-2.2	-160.3
		H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	-11.8	9.4	-0.1	2.4	175.6
		Sobrecarga de uso	388.8	1.4	-38.1	0.4	-18.3	0.0	388.8	28281	142.7	0.4	-18.3	-1331
		Viento +X exc.+	3.0	61.0	-8.1	20.6	-2.6	-0.1	3.0	280.8	-6.7	20.6	-2.6	-199.3
		Viento +X exc.-	2.4	62.9	-6.4	21.2	-2.1	-0.0	2.4	237.2	-5.3	21.2	-2.1	-160.7
		Viento -X exc.+	-3.0	-61.0	8.1	-20.6	2.6	0.1	-3.0	-280.8	6.7	-20.6	2.6	199.3
		Viento -X exc.-	-2.4	-62.9	6.4	-21.2	2.1	0.0	-2.4	-237.2	5.3	-21.2	2.1	160.7
		Viento +Y exc.+	-49.9	37.0	126.8	12.1	39.9	0.2	-49.9	-3593	103.6	12.1	39.9	2898.2
		Viento +Y exc.-	-40.7	10.6	103.3	3.4	32.6	0.1	-40.7	-2946	84.4	3.4	32.6	2370.4
		Viento -Y exc.+	49.9	-37.0	-126.8	-12.1	-39.9	-0.2	49.9	3592.6	-103.6	-12.1	-39.9	-2898
		Viento -Y exc.-	40.7	-10.6	-103.3	-3.4	-32.6	-0.1	40.7	2946.4	-84.4	-3.4	-32.6	-2370
P91a [80.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1193.0	6.1	-154.3	1.6	-79.2	0.0	1193.0	96325	400.2	1.6	-79.2	-6395
		Cargas muertas	526.2	2.4	-10.3	0.6	-1.2	0.0	526.2	42489	234.3	0.6	-1.2	-100.5
		H 1	-0.2	-0.2	9.6	-0.1	2.4	0.0	-0.2	-12.6	9.5	-0.1	2.4	197.4
		Sobrecarga de uso	390.1	1.5	-39.5	0.4	-18.8	0.0	390.1	31495	141.8	0.4	-18.8	-1522
		Viento +X exc.+	3.3	61.3	-10.7	20.7	-3.4	-0.1	3.3	329.3	-9.2	20.7	-3.4	-285.5
		Viento +X exc.-	2.5	63.1	-8.4	21.3	-2.7	-0.0	2.5	263.2	-7.3	21.3	-2.7	-227.8
		Viento -X exc.+	-3.3	-61.3	10.7	-20.7	3.4	0.1	-3.3	-329.3	9.2	-20.7	3.4	285.5
		Viento -X exc.-	-2.5	-63.1	8.4	-21.3	2.7	0.0	-2.5	-263.2	7.3	-21.3	2.7	227.8
		Viento +Y exc.+	-53.7	37.2	138.5	12.2	43.4	0.2	-53.7	-4298	113.6	12.2	43.4	3499.9
		Viento +Y exc.-	-41.2	10.6	106.6	3.4	33.5	0.1	-41.2	-3315	87.5	3.4	33.5	2705.0
		Viento -Y exc.+	53.7	-37.2	-138.5	-12.2	-43.4	-0.2	53.7	4297.7	-113.6	-12.2	-43.4	-3500
		Viento -Y exc.-	41.2	-10.6	-106.6	-3.4	-33.5	-0.1	41.2	3315.4	-87.5	-3.4	-33.5	-2705
P92a [88.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1211.5	9.2	-153.4	3.3	-79.6	0.0	1211.5	107515	409.7	3.3	-79.6	-7064
		Cargas muertas	575.6	3.1	-7.3	1.0	0.4	0.0	575.6	51077	260.3	1.0	0.4	32.4
		H 1	-0.2	-0.2	9.6	-0.1	2.5	0.0	-0.2	-14.7	9.6	-0.1	2.5	218.4
		Sobrecarga de uso	394.3	2.2	-39.1	0.8	-19.3	0.0	394.3	34993	144.2	0.8	-19.3	-1713
		Viento +X exc.+	4.2	62.0	-13.2	21.2	-4.2	-0.1	4.2	437.3	-11.3	21.2	-4.2	-383.1
		Viento +X exc.-	3.2	63.9	-10.3	21.8	-3.3	-0.0	3.2	351.1	-8.8	21.8	-3.3	-302.6
		Viento -X exc.+	-4.2	-62.0	13.2	-21.2	4.2	0.1	-4.2	-437.3	11.3	-21.2	4.2	383.1
		Viento -X exc.-	-3.2	-63.9	10.3	-21.8	3.3	0.0	-3.2	-351.1	8.8	-21.8	3.3	302.6
		Viento +Y exc.+	-55.4	37.5	150.8	12.5	47.4	0.2	-55.4	-4878	125.0	12.5	47.4	4201.8
		Viento +Y exc.-	-40.6	10.7	110.3	3.5	34.8	0.1	-40.6	-3595	91.4	3.5	34.8	3087.2
		Viento -Y exc.+	55.4	-37.5	-150.8	-12.5	-47.4	-0.2	55.4	4877.7	-125.0	-12.5	-47.4	-4202
		Viento -Y exc.-	40.6	-10.7	-110.3	-3.5	-34.8	-0.1	40.6	3595.4	-91.4	-3.5	-34.8	-3087
P93a [96.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1190.5	9.7	-151.7	3.6	-78.9	0.0	1190.5	115177	401.7	3.6	-78.9	-7638
		Cargas muertas	494.7	4.6	-7.9	1.9	-0.5	0.0	494.7	47858	222.0	1.9	-0.5	-45.5
		H 1	-0.1	-0.3	9.5	-0.1	2.4	0.0	-0.1	-13.8	9.5	-0.1	2.4	234.4
		Sobrecarga de uso	405.4	0.8	-46.5	-0.0	-23.4	0.0	405.4	39222	141.9	-0.0	-23.4	-2267
		Viento +X exc.+	4.7	61.2	-15.5	20.7	-4.8	-0.1	4.7	518.8	-13.3	20.7	-4.8	-476.4
		Viento +X exc.-	3.7	63.0	-12.1	21.3	-3.8	-0.0	3.7	421.6	-10.3	21.3	-3.8	-375.2
		Viento -X exc.+	-4.7	-61.2	15.5	-20.7	4.8	0.1	-4.7	-518.8	13.3	-20.7	4.8	476.4
		Viento -X exc.-	-3.7	-63.0	12.1	-21.3	3.8	0.0	-3.7	-421.6	10.3	-21.3	3.8	375.2
		Viento +Y exc.+	-51.4	36.9	158.7	12.1	48.7	0.2	-51.4	-4940	134.7	12.1	48.7	4709.2
		Viento +Y exc.-	-36.2	10.5	111.0	3.4	34.2	0.1	-36.2	-3492	94.1	3.4	34.2	3307.1
		Viento -Y exc.+	51.4	-36.9	-158.7	-12.1	-48.7	-0.2	51.4	4940.0	-134.7	-12.1	-48.7	-4709
		Viento -Y exc.-	36.2	-10.5	-111.0	-3.4	-34.2	-0.1	36.2	3492.4	-94.1	-3.4	-34.2	-3307
P94a [104.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1210.0	10.7	-158.9	4.2	-83.0	0.0	1210.0	126743	403.6	4.2	-83.0	-8694
		Cargas muertas	505.2	4.3	-9.8	1.7	-1.6	0.0	505.2	52919	225.0	1.7	-1.6	-164.0
		H 1	-0.2	-0.2	9.5	-0.1	2.4	0.0	-0.2	-18.3	9.4	-0.1	2.4	253.5
		Sobrecarga de uso	421.0	2.8	-57.3	1.1	-28.9	0.0	421.0	44099	138.4	1.1	-28.9	-3032
		Viento +X exc.+	5.7	60.8	-18.1	20.4	-5.7	-0.1	5.7	662.8	-15.4	20.4	-5.7	-603.1
		Viento +X exc.-	4.6	62.6	-14.1	21.1	-4.5	-0.0	4.6	548.5	-12.0	21.1	-4.5	-477.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: P. Baja +0.00															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-0.10)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -X exc.+	-5.7	-60.8	18.1	-20.4	5.7	0.1	-5.7	-662.8	15.4	-20.4	5.7	603.1	
		Viento -X exc.-	-4.6	-62.6	14.1	-21.1	4.5	0.0	-4.6	-548.5	12.0	-21.1	4.5	477.3	
		Viento +Y exc.+	-51.1	36.8	168.5	12.0	51.2	0.2	-51.1	-5310	144.8	12.0	51.2	5358.5	
		Viento +Y exc.-	-34.5	10.5	113.2	3.4	34.5	0.1	-34.5	-3608	97.1	3.4	34.5	3612.6	
		Viento -Y exc.+	51.1	-36.8	-168.5	-12.0	-51.2	-0.2	51.1	5310.4	-144.8	-12.0	-51.2	-5359	
		Viento -Y exc.-	34.5	-10.5	-113.2	-3.4	-34.5	-0.1	34.5	3607.5	-97.1	-3.4	-34.5	-3613	
P95a [112.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	1229.9	7.8	-152.9	2.2	-80.7	0.0	1229.9	138669	418.8	2.2	-80.7	-9098	
		Cargas muertas	472.1	6.1	-15.4	2.7	-5.5	0.0	472.1	53229	204.1	2.7	-5.5	-624.9	
		H 1	-0.0	-0.3	9.6	-0.1	2.5	0.0	-0.0	-1.1	9.6	-0.1	2.5	278.3	
		Sobrecarga de uso	444.0	1.6	-55.5	0.3	-28.4	0.0	444.0	50062	151.0	0.3	-28.4	-3198	
		Viento +X exc.+	0.3	62.0	-20.0	21.1	-6.1	-0.1	0.3	100.5	-19.9	21.1	-6.1	-699.4	
		Viento +X exc.-	-1.0	63.9	-15.6	21.8	-4.8	-0.0	-1.0	-50.9	-16.1	21.8	-4.8	-547.7	
		Viento -X exc.+	-0.3	-62.0	20.0	-21.1	6.1	0.1	-0.3	-100.5	19.9	-21.1	6.1	699.4	
		Viento -X exc.-	1.0	-63.9	15.6	-21.8	4.8	0.0	1.0	50.9	16.1	-21.8	4.8	547.7	
		Viento +Y exc.+	-54.3	37.6	177.8	12.5	53.2	0.2	-54.3	-6083	152.5	12.5	53.2	5997.2	
		Viento +Y exc.-	-34.1	10.8	115.0	3.6	34.5	0.1	-34.1	-3828	99.2	3.6	34.5	3891.0	
		Viento -Y exc.+	54.3	-37.6	-177.8	-12.5	-53.2	-0.2	54.3	6082.9	-152.5	-12.5	-53.2	-5997	
		Viento -Y exc.-	34.1	-10.8	-115.0	-3.6	-34.5	-0.1	34.1	3828.1	-99.2	-3.6	-34.5	-3891	
P96a [120.738;0.465;0.0 grados] (60x60)	-0.10/4.78	Peso propio	879.9	43.5	-80.0	22.8	-53.6	0.0	879.9	106286	329.0	22.8	-53.6	-6486	
		Cargas muertas	512.4	-9.7	-42.6	-6.7	-27.4	0.0	512.4	61862	195.6	-6.7	-27.4	-3309	
		H 1	-0.2	-1.0	0.9	-0.3	0.2	0.0	-0.2	-20.6	0.8	-0.3	0.2	24.4	
		Sobrecarga de uso	273.0	15.1	-23.2	8.2	-15.3	0.0	273.0	32974	103.7	8.2	-15.3	-1849	
		Viento +X exc.+	23.2	53.6	-23.6	16.1	-7.0	-0.1	23.2	2851.1	-12.8	16.1	-7.0	-857.4	
		Viento +X exc.-	22.8	55.2	-18.6	16.6	-5.6	-0.0	22.8	2812.5	-8.0	16.6	-5.6	-689.8	
		Viento -X exc.+	-23.2	-53.6	23.6	-16.1	7.0	0.1	-23.2	-2851	12.8	-16.1	7.0	857.4	
		Viento -X exc.-	-22.8	-55.2	18.6	-16.6	5.6	0.0	-22.8	-2812	8.0	-16.6	5.6	689.8	
		Viento +Y exc.+	-24.7	31.2	187.9	8.5	51.7	0.2	-24.7	-2955	176.4	8.5	51.7	6235.8	
		Viento +Y exc.-	-19.9	8.7	117.9	2.2	32.5	0.1	-19.9	-2390	108.7	2.2	32.5	3925.2	
		Viento -Y exc.+	24.7	-31.2	-187.9	-8.5	-51.7	-0.2	24.7	2954.5	-176.4	-8.5	-51.7	-6236	
		Viento -Y exc.-	19.9	-8.7	-117.9	-2.2	-32.5	-0.1	19.9	2390.4	-108.7	-2.2	-32.5	-3925	
M12 [32.588;36.478] (e=30.0 cm)	-0.10/5.25	Peso propio	2388.9	-25.5	325.1	-14.3	164.0	-2.2	2388.9	77825	87468	-14.3	164.0	5863.7	
		Cargas muertas	764.5	-12.9	119.2	-4.1	50.7	-0.9	764.5	24900	28006	-4.1	50.7	1802.0	
		H 1	-2.5	-0.2	-3.2	-0.3	-1.2	0.4	-2.5	-80.1	-92.8	-0.3	-1.2	-26.9	
		Sobrecarga de uso	745.2	-6.2	84.3	-3.3	46.4	-0.6	745.2	24277	27266	-3.3	46.4	1630.7	
		Viento +X exc.+	-310.1	29.0	150.8	9.4	61.5	-1.1	-310.1	-10075	-11160	9.4	61.5	1660.0	
		Viento +X exc.-	-278.1	28.5	94.3	9.5	52.6	-1.2	-278.1	-9036	-10052	9.5	52.6	1366.6	
		Viento -X exc.+	310.1	-29.0	-150.8	-9.4	-61.5	1.1	310.1	10075	11160	-9.4	-61.5	-1660	
		Viento -X exc.-	278.1	-28.5	-94.3	-9.5	-52.6	1.2	278.1	9035.6	10052	-9.5	-52.6	-1367	
		Viento +Y exc.+	-1453	-10.0	3170.1	-10.5	417.4	12.4	-1453	-47376	-49850	-10.5	417.4	13998	
		Viento +Y exc.-	-1921	-4.0	4013.3	-11.4	527.2	14.4	-1921	-62600	-66054	-11.4	527.2	17611	
		Viento -Y exc.+	1453.5	10.0	-3170	10.5	-417.4	-12.4	1453.5	47376	49850	10.5	-417.4	-13998	
		Viento -Y exc.-	1920.8	4.0	-4013	11.4	-527.2	-14.4	1920.8	62600	66054	11.4	-527.2	-17611	
M15 [40.825;36.478] (e=30.0 cm)	-0.10/5.25	Peso propio	2276.5	24.4	400.1	14.8	199.2	1.9	2276.5	92964	83443	14.8	199.2	7591.9	
		Cargas muertas	711.3	10.4	152.2	3.8	68.0	0.3	711.3	29050	26100	3.8	68.0	2636.8	
		H 1	-3.5	-0.1	-3.7	0.2	-0.6	-0.4	-3.5	-143.6	-131.9	0.2	-0.6	-33.1	
		Sobrecarga de uso	690.6	5.9	105.0	3.4	56.8	0.7	690.6	28201	25298	3.4	56.8	2196.6	
		Viento +X exc.+	134.5	29.7	175.6	10.7	9.8	-1.8	134.5	5518.6	5080.0	10.7	9.8	9.0	
		Viento +X exc.-	146.2	29.2	144.0	10.5	5.5	-1.6	146.2	5997.6	5476.9	10.5	5.5	-158.4	
		Viento -X exc.+	-134.5	-29.7	-175.6	-10.7	-9.8	1.8	-134.5	-5519	-5080	-10.7	-9.8	-9.0	
		Viento -X exc.-	-146.2	-29.2	-144.0	-10.5	-5.5	1.6	-146.2	-5998	-5477	-10.5	-5.5	158.4	
		Viento +Y exc.+	-1898	-6.7	3689.5	8.5	501.1	-10.8	-1898	-77483	-65537	8.5	501.1	20138	
		Viento +Y exc.-	-2079	0.0	4173.0	11.5	557.6	-13.5	-2079	-84861	-71652	11.5	557.6	22332	
		Viento -Y exc.+	1897.8	6.7	-3689	-8.5	-501.1	10.8	1897.8	77483	65537	-8.5	-501.1	-20138	
		Viento -Y exc.-	2078.7	-0.0	-4173	-11.5	-557.6	13.5	2078.7	84861	71652	-11.5	-557.6	-22332	
Sumatorio		Peso propio							190876	11607675	5393815	-0.1	-3.8	-146.6	
		Cargas muertas							94910	5778691	2844356	-0.1	-0.5	-19.2	
		H 1							0.1	4.3	4.1	0.0	0.0	0.1	
		Sobrecarga de uso							66563	4074132	1938000	-0.0	-0.4	-15.9	
		Viento +X exc.+							12.7	28603	459.8	1341.1	-5.5	-45490	
		Viento +X exc.-							9.4	28487	340.3	1341.1	-4.3	-41843	
		Viento -X exc.+							-12.7	-28603	-459.8	-1341	5.5	45490	
		Viento -X exc.-							-9.4	-28487	-340.3	-1341	4.3	41843	
		Viento +Y exc.+							256.7	9542.6	99513	0.9	4218.2	282979	
		Viento +Y exc.-							306.4	11288	101310	0.2	4202.9	232404	
		Viento -Y exc.+							-256.7	-9543	-99513	-0.9	-4218	-282979	
		Viento -Y exc.-							-306.4	-11288	-101310	-0.2	-4203	-232404	





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P1 [0.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	436.8	2.7	0.2	10.4	1.0	-0.1	436.8	325.0	19643	10.4	1.0	-465.0
		Cargas muertas	360.5	2.8	-1.8	9.2	-5.0	-0.0	360.5	268.8	16208	9.2	-5.0	-415.7
		H 1	-19.0	2.6	-3.0	5.1	-6.2	-0.1	-19.0	-11.4	-858.7	5.1	-6.2	-236.1
		Sobrecarga de uso	135.4	1.0	-0.1	3.5	-0.3	-0.0	135.4	100.8	6087.0	3.5	-0.3	-158.7
		Viento +X exc.+	-13.9	0.3	0.4	1.6	1.7	-0.1	-13.9	-9.9	-623.3	1.6	1.7	-72.3
		Viento +X exc.-	-15.7	0.3	0.3	1.5	1.5	-0.1	-15.7	-11.3	-705.0	1.5	1.5	-65.0
		Viento -X exc.+	13.9	-0.3	-0.4	-1.6	-1.7	0.1	13.9	9.9	623.3	-1.6	-1.7	72.3
		Viento -X exc.-	15.7	-0.3	-0.3	-1.5	-1.5	0.1	15.7	11.3	705.0	-1.5	-1.5	65.0
		Viento +Y exc.+	147.6	1.3	10.8	12.4	31.3	-0.1	147.6	110.2	6649.8	12.4	31.3	-534.2
		Viento +Y exc.-	175.9	1.7	12.0	14.8	35.0	-0.2	175.9	131.5	7923.4	14.8	35.0	-642.0
		Viento -Y exc.+	-147.6	-1.3	-10.8	-12.4	-31.3	0.1	-147.6	-110.2	-6650	-12.4	-31.3	534.2
		Viento -Y exc.-	-175.9	-1.7	-12.0	-14.8	-35.0	0.2	-175.9	-131.5	-7923	-14.8	-35.0	642.0
P2 [8.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	494.1	-0.1	39.3	-0.6	43.6	0.0	494.1	4317.7	22258	-0.6	43.6	406.1
		Cargas muertas	341.5	-0.1	28.3	-0.5	31.6	0.0	341.5	2983.5	15382	-0.5	31.6	299.3
		H 1	71.1	-0.3	-43.1	-1.2	-56.5	-0.1	71.1	621.2	3155.2	-1.2	-56.5	-438.8
		Sobrecarga de uso	171.3	-0.1	14.0	-0.3	15.7	0.0	171.3	1496.5	7715.2	-0.3	15.7	151.8
		Viento +X exc.+	4.9	1.0	-0.8	4.5	-0.8	-0.0	4.9	43.6	218.6	4.5	-0.8	-208.3
		Viento +X exc.-	3.4	0.9	-0.6	4.3	-0.6	-0.0	3.4	31.0	154.4	4.3	-0.6	-200.1
		Viento -X exc.+	-4.9	-1.0	0.8	-4.5	0.8	0.0	-4.9	-43.6	-218.6	-4.5	0.8	208.3
		Viento -X exc.-	-3.4	-0.9	0.6	-4.3	0.6	0.0	-3.4	-31.0	-154.4	-4.3	0.6	200.1
		Viento +Y exc.+	7.1	0.7	3.3	3.2	0.6	0.0	7.1	63.0	324.0	3.2	0.6	-138.0
		Viento +Y exc.-	30.0	1.1	0.9	5.3	-1.8	0.0	30.0	263.4	1350.7	5.3	-1.8	-253.7
		Viento -Y exc.+	-7.1	-0.7	-3.3	-3.2	-0.6	-0.0	-7.1	-63.0	-324.0	-3.2	-0.6	138.0
		Viento -Y exc.-	-30.0	-1.1	-0.9	-5.3	1.8	-0.0	-30.0	-263.4	-1351	-5.3	1.8	253.7
P3 [16.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	485.2	-0.0	39.5	0.0	42.4	-0.0	485.2	8121.3	21857	0.0	42.4	707.5
		Cargas muertas	342.4	-0.1	28.5	-0.4	30.9	-0.0	342.4	5730.1	15422	-0.4	30.9	533.2
		H 1	72.5	0.2	-42.2	-0.3	-53.9	0.1	72.5	1214.1	3219.0	-0.3	-53.9	-889.9
		Sobrecarga de uso	166.1	-0.0	14.1	-0.1	15.2	0.0	166.1	2780.3	7483.1	-0.1	15.2	258.2
		Viento +X exc.+	3.1	1.0	-0.6	4.6	-0.6	-0.0	3.1	52.9	138.8	4.6	-0.6	-216.2
		Viento +X exc.-	2.0	1.0	-0.5	4.4	-0.5	-0.0	2.0	34.1	88.5	4.4	-0.5	-207.5
		Viento -X exc.+	-3.1	-1.0	0.6	-4.6	0.6	0.0	-3.1	-52.9	-138.8	-4.6	0.6	216.2
		Viento -X exc.-	-2.0	-1.0	0.5	-4.4	0.5	0.0	-2.0	-34.1	-88.5	-4.4	0.5	207.5
		Viento +Y exc.+	12.2	0.6	2.4	2.9	-0.2	0.0	12.2	205.6	553.1	2.9	-0.2	-134.0
		Viento +Y exc.-	30.2	1.1	0.6	5.0	-2.0	0.0	30.2	506.5	1358.4	5.0	-2.0	-257.5
		Viento -Y exc.+	-12.2	-0.6	-2.4	-2.9	0.2	-0.0	-12.2	-205.6	-553.1	-2.9	0.2	134.0
		Viento -Y exc.-	-30.2	-1.1	-0.6	-5.0	2.0	0.0	-30.2	-506.5	-1358	-5.0	2.0	257.5
P4 [24.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	493.6	-0.0	39.4	-0.4	44.0	0.0	493.6	12211	22234	-0.4	44.0	1105.6
		Cargas muertas	348.2	-0.2	27.7	-0.7	31.4	-0.0	348.2	8614.4	15686	-0.7	31.4	808.7
		H 1	72.5	-0.1	-43.6	-0.5	-57.8	0.0	72.5	1794.6	3218.5	-0.5	-57.8	-1406
		Sobrecarga de uso	170.4	-0.0	14.0	-0.2	15.8	0.0	170.4	4215.2	7675.8	-0.2	15.8	401.1
		Viento +X exc.+	2.8	1.0	-0.5	4.5	-0.5	-0.0	2.8	71.0	126.8	4.5	-0.5	-216.5
		Viento +X exc.-	1.9	0.9	-0.4	4.4	-0.4	-0.0	1.9	49.1	87.1	4.4	-0.4	-207.3
		Viento -X exc.+	-2.8	-1.0	0.5	-4.5	0.5	0.0	-2.8	-71.0	-126.8	-4.5	0.5	216.5
		Viento -X exc.-	-1.9	-0.9	0.4	-4.4	0.4	0.0	-1.9	-49.1	-87.1	-4.4	0.4	207.3
		Viento +Y exc.+	20.2	0.6	1.0	2.8	-1.4	0.0	20.2	501.5	911.5	2.8	-1.4	-161.9
		Viento +Y exc.-	34.5	1.1	-0.5	4.9	-3.0	0.0	34.5	854.5	1550.8	4.9	-3.0	-292.5
		Viento -Y exc.+	-20.2	-0.6	-1.0	-2.8	1.4	-0.0	-20.2	-501.5	-911.5	-2.8	1.4	161.9
		Viento -Y exc.-	-34.5	-1.1	0.5	-4.9	3.0	-0.0	-34.5	-854.5	-1551	-4.9	3.0	292.5
P5 [32.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	477.7	-0.1	39.4	-0.5	41.3	0.0	477.7	15638	21518	-0.5	41.3	1374.1
		Cargas muertas	342.2	-0.1	27.1	-0.7	29.0	0.0	342.2	11203	15414	-0.7	29.0	981.8
		H 1	70.4	-0.3	-40.1	-1.2	-50.0	-0.1	70.4	2305.6	3127.0	-1.2	-50.0	-1584
		Sobrecarga de uso	163.3	-0.0	14.1	-0.3	14.9	0.0	163.3	5344.4	7354.6	-0.3	14.9	500.4
		Viento +X exc.+	2.4	1.0	-0.2	4.6	-0.2	-0.0	2.4	80.1	108.4	4.6	-0.2	-212.1
		Viento +X exc.-	1.5	1.0	-0.2	4.4	-0.2	-0.0	1.5	51.0	68.6	4.4	-0.2	-204.3
		Viento -X exc.+	-2.4	-1.0	0.2	-4.6	0.2	0.0	-2.4	-80.1	-108.4	-4.6	0.2	212.1
		Viento -X exc.-	-1.5	-1.0	0.2	-4.4	0.2	0.0	-1.5	-51.0	-68.6	-4.4	0.2	204.3
		Viento +Y exc.+	45.1	0.6	1.5	2.9	-0.6	0.0	45.1	1477.1	2029.4	2.9	-0.6	-147.0
		Viento +Y exc.-	59.7	1.1	1.0	4.9	-1.1	0.0	59.7	1956.8	2687.2	4.9	-1.1	-256.9
		Viento -Y exc.+	-45.1	-0.6	-1.5	-2.9	0.6	-0.0	-45.1	-1477	-2029	-2.9	0.6	147.0
		Viento -Y exc.-	-59.7	-1.1	-1.0	-4.9	1.1	-0.0	-59.7	-1957	-2687	-4.9	1.1	256.9
P6 [40.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	471.7	-0.1	39.4	-0.6	43.5	-0.0	471.7	19216	21249	-0.6	43.5	1798.5
		Cargas muertas	339.4	-0.2	27.3	-0.7	30.7	-0.0	339.4	13825	15287	-0.7	30.7	1282.7
		H 1	70.8	0.1	-43.0	-0.1	-56.4	0.1	70.8	2882.5	3138.5	-0.1	-56.4	-2291
		Sobrecarga de uso	161.1	-0.1	14.2	-0.3	15.8	-0.0	161.1	6563.6	7258.9	-0.3	15.8	655.2
		Viento +X exc.+	-0.4	1.0	-0.1	4.6	-0.2	-0.0	-0.4	-16.2	-19.1	4.6	-0.2	-212.7
		Viento +X exc.-	-0.9	0.9	-0.1	4.4	-0.2	-0.0	-0.9	-35.1	-39.9	4.4	-0.2	-205.5
		Viento -X exc.+	0.4	-1.0	0.1	-4.6	0.2	0.0	0.4	16.2	19.1	-4.6	0.2	212.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	0.9	-0.9	0.1	-4.4	0.2	0.0	0.9	35.1	39.9	-4.4	0.2	205.5
		Viento +Y exc.+	52.3	0.6	0.7	3.0	-1.1	-0.0	52.3	2129.3	2350.3	3.0	-1.1	-177.3
		Viento +Y exc.-	59.9	1.1	0.6	5.0	-1.3	-0.0	59.9	2441.7	2694.5	5.0	-1.3	-278.9
		Viento -Y exc.+	-52.3	-0.6	-0.7	-3.0	1.1	0.0	-52.3	-2129	-2350	-3.0	1.1	177.3
		Viento -Y exc.-	-59.9	-1.1	-0.6	-5.0	1.3	0.0	-59.9	-2442	-2695	-5.0	1.3	278.9
P7 [48.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	523.7	-0.1	40.4	-0.4	44.3	-0.0	523.7	25524	23589	-0.4	44.3	2176.5
		Cargas muertas	354.5	-0.1	27.7	-0.5	30.7	0.0	354.5	17279	15969	-0.5	30.7	1520.5
		H 1	71.5	-0.2	-42.3	-0.8	-54.7	0.0	71.5	3485.7	3173.8	-0.8	-54.7	-2628
		Sobrecarga de uso	175.4	-0.0	14.4	-0.2	15.9	-0.0	175.4	8547.2	7899.9	-0.2	15.9	785.1
		Viento +X exc.+	2.7	1.0	0.2	4.6	0.2	-0.0	2.7	131.8	120.9	4.6	0.2	-198.0
		Viento +X exc.-	2.6	1.0	0.2	4.4	0.2	-0.0	2.6	128.5	117.8	4.4	0.2	-191.9
		Viento -X exc.+	-2.7	-1.0	-0.2	-4.6	-0.2	0.0	-2.7	-131.8	-120.9	-4.6	-0.2	198.0
		Viento -X exc.-	-2.6	-1.0	-0.2	-4.4	-0.2	0.0	-2.6	-128.5	-117.8	-4.4	-0.2	191.9
		Viento +Y exc.+	37.5	0.6	-1.8	2.9	-3.6	0.0	37.5	1830.2	1686.2	2.9	-3.6	-308.7
		Viento +Y exc.-	38.9	1.1	-1.4	5.0	-3.5	0.0	38.9	1897.2	1747.9	5.0	-3.5	-395.9
		Viento -Y exc.+	-37.5	-0.6	1.8	-2.9	3.6	-0.0	-37.5	-1830	-1686	-2.9	3.6	308.7
		Viento -Y exc.-	-38.9	-1.1	1.4	-5.0	3.5	0.0	-38.9	-1897	-1748	-5.0	3.5	395.9
P8 [56.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	480.3	0.1	38.6	0.1	41.4	0.0	480.3	27252	21636	0.1	41.4	2343.1
		Cargas muertas	339.3	-0.0	29.5	-0.3	31.7	0.0	339.3	19251	15286	-0.3	31.7	1810.6
		H 1	73.5	-0.2	-42.0	-0.9	-52.9	-0.0	73.5	4171.8	3264.3	-0.9	-52.9	-2962
		Sobrecarga de uso	164.9	0.0	14.0	-0.1	15.0	0.0	164.9	9358.9	7430.8	-0.1	15.0	856.1
		Viento +X exc.+	-3.9	1.0	0.2	4.5	0.1	-0.0	-3.9	-218.8	-174.0	4.5	0.1	-196.5
		Viento +X exc.-	-3.6	1.0	0.1	4.4	0.1	-0.0	-3.6	-201.8	-160.5	4.4	0.1	-192.7
		Viento -X exc.+	3.9	-1.0	-0.2	-4.5	-0.1	0.0	3.9	218.8	174.0	-4.5	-0.1	196.5
		Viento -X exc.-	3.6	-1.0	-0.1	-4.4	-0.1	0.0	3.6	201.8	160.5	-4.4	-0.1	192.7
		Viento +Y exc.+	44.4	0.7	-3.2	2.9	-4.9	0.0	44.4	2519.3	1992.8	2.9	-4.9	-408.2
		Viento +Y exc.-	40.0	1.1	-2.4	4.9	-4.3	0.0	40.0	2268.3	1794.4	4.9	-4.3	-466.0
		Viento -Y exc.+	-44.4	-0.7	3.2	-2.9	4.9	-0.0	-44.4	-2519	-1993	-2.9	4.9	408.2
		Viento -Y exc.-	-40.0	-1.1	2.4	-4.9	4.3	-0.0	-40.0	-2268	-1794	-4.9	4.3	466.0
P9 [64.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	483.5	-0.1	38.8	-0.4	43.4	0.0	483.5	31298	21777	-0.4	43.4	2828.5
		Cargas muertas	345.6	-0.2	29.1	-0.7	32.8	0.0	345.6	22374	15569	-0.7	32.8	2152.1
		H 1	73.5	-0.2	-44.3	-0.8	-58.4	0.0	73.5	4760.7	3262.4	-0.8	-58.4	-3741
		Sobrecarga de uso	168.4	-0.1	14.2	-0.2	16.0	0.0	168.4	10902	7586.6	-0.2	16.0	1044.2
		Viento +X exc.+	-1.9	1.0	0.5	4.5	0.5	-0.0	-1.9	-119.9	-83.4	4.5	0.5	-174.0
		Viento +X exc.-	-1.3	0.9	0.4	4.4	0.4	-0.0	-1.3	-85.7	-59.7	4.4	0.4	-173.4
		Viento -X exc.+	1.9	-1.0	-0.5	-4.5	-0.5	0.0	1.9	119.9	83.4	-4.5	-0.5	174.0
		Viento -X exc.-	1.3	-0.9	-0.4	-4.4	-0.4	0.0	1.3	85.7	59.7	-4.4	-0.4	173.4
		Viento +Y exc.+	48.8	0.6	-4.3	2.9	-5.9	0.0	48.8	3163.0	2192.2	2.9	-5.9	-513.5
		Viento +Y exc.-	40.8	1.1	-2.8	5.0	-4.7	0.0	40.8	2641.4	1831.1	5.0	-4.7	-527.0
		Viento -Y exc.+	-48.8	-0.6	4.3	-2.9	5.9	-0.0	-48.8	-3163	-2192	-2.9	5.9	513.5
		Viento -Y exc.-	-40.8	-1.1	2.8	-5.0	4.7	-0.0	-40.8	-2641	-1831	-5.0	4.7	527.0
P10 [72.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	488.5	-0.2	37.5	-0.7	41.3	-0.0	488.5	35535	22004	-0.7	41.3	3033.8
		Cargas muertas	347.4	-0.3	28.8	-0.9	31.7	-0.0	347.4	25272	15652	-0.9	31.7	2348.9
		H 1	70.7	-0.2	-41.9	-0.3	-54.0	0.0	70.7	5145.1	3138.7	-0.3	-54.0	-3914
		Sobrecarga de uso	169.2	-0.1	13.7	-0.3	15.1	-0.0	169.2	12304	7620.1	-0.3	15.1	1116.5
		Viento +X exc.+	-2.4	1.0	0.8	4.5	0.7	-0.0	-2.4	-170.4	-105.2	4.5	0.7	-154.9
		Viento +X exc.-	-1.6	0.9	0.6	4.4	0.5	-0.0	-1.6	-111.9	-69.1	4.4	0.5	-157.7
		Viento -X exc.+	2.4	-1.0	-0.8	-4.5	-0.7	0.0	2.4	170.4	105.2	-4.5	-0.7	154.9
		Viento -X exc.-	1.6	-0.9	-0.6	-4.4	-0.5	0.0	1.6	111.9	69.1	-4.4	-0.5	157.7
		Viento +Y exc.+	55.3	0.6	-5.2	3.0	-6.5	0.0	55.3	4020.6	2479.8	3.0	-6.5	-605.9
		Viento +Y exc.-	42.8	1.1	-3.1	5.0	-4.8	0.0	42.8	3116.4	1922.7	5.0	-4.8	-574.0
		Viento -Y exc.+	-55.3	-0.6	5.2	-3.0	6.5	-0.0	-55.3	-4021	-2480	-3.0	6.5	605.9
		Viento -Y exc.-	-42.8	-1.1	3.1	-5.0	4.8	-0.0	-42.8	-3116	-1923	-5.0	4.8	574.0
P11 [80.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	484.8	-0.2	38.0	-0.9	41.2	-0.0	484.8	39145	21839	-0.9	41.2	3369.9
		Cargas muertas	345.2	-0.3	29.3	-1.1	31.9	-0.0	345.2	27873	15553	-1.1	31.9	2625.4
		H 1	71.3	-0.5	-42.1	-1.6	-54.0	-0.1	71.3	5755.9	3163.7	-1.6	-54.0	-4292
		Sobrecarga de uso	168.4	-0.1	13.9	-0.4	15.1	-0.0	168.4	13600	7588.0	-0.4	15.1	1241.5
		Viento +X exc.+	-3.3	1.0	1.0	4.5	0.8	-0.0	-3.3	-267.7	-148.7	4.5	0.8	-136.0
		Viento +X exc.-	-2.3	0.9	0.8	4.4	0.7	-0.0	-2.3	-181.8	-101.0	4.4	0.7	-142.9
		Viento -X exc.+	3.3	-1.0	-1.0	-4.5	-0.8	0.0	3.3	267.7	148.7	-4.5	-0.8	136.0
		Viento -X exc.-	2.3	-0.9	-0.8	-4.4	-0.7	0.0	2.3	181.8	101.0	-4.4	-0.7	142.9
		Viento +Y exc.+	59.7	0.6	-6.4	3.0	-7.4	0.0	59.7	4824.0	2679.9	3.0	-7.4	-732.9
		Viento +Y exc.-	43.2	1.1	-3.7	5.0	-5.2	0.0	43.2	3490.9	1939.8	5.0	-5.2	-644.3
		Viento -Y exc.+	-59.7	-0.6	6.4	-3.0	7.4	-0.0	-59.7	-4824	-2680	-3.0	7.4	732.9
		Viento -Y exc.-	-43.2	-1.1	3.7	-5.0	5.2	-0.0	-43.2	-3491	-1940	-5.0	5.2	644.3
P12 [88.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	486.0	-0.3	38.1	-1.0	42.3	-0.1	486.0	43129	21892	-1.0	42.3	3798.7
		Cargas muertas	346.0	-0.3	29.7	-1.2	32.9	-0.0	346.0	30702	15587	-1.2	32.9	2967.4



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	72.8	-0.0	-43.9	-0.1	-57.8	0.1	72.8	6462.3	3230.7	-0.1	-57.8	-5120
		Sobrecarga de uso	168.4	-0.1	14.0	-0.4	15.6	-0.0	168.4	14939	7583.9	-0.4	15.6	1401.4
		Viento +X exc.+	-3.7	1.0	1.2	4.5	1.1	-0.0	-3.7	-330.2	-166.7	4.5	1.1	-110.6
		Viento +X exc.-	-2.4	0.9	0.9	4.4	0.8	-0.0	-2.4	-209.6	-105.8	4.4	0.8	-122.5
		Viento -X exc.+	3.7	-1.0	-1.2	-4.5	-1.1	0.0	3.7	330.2	166.7	-4.5	-1.1	110.6
		Viento -X exc.-	2.4	-0.9	-0.9	-4.4	-0.8	0.0	2.4	209.6	105.8	-4.4	-0.8	122.5
		Viento +Y exc.+	67.6	0.6	-7.4	3.0	-8.3	0.0	67.6	6002.4	3033.8	3.0	-8.3	-866.9
		Viento +Y exc.-	46.5	1.1	-4.1	5.0	-5.5	0.0	46.5	4125.0	2085.5	5.0	-5.5	-710.9
		Viento -Y exc.+	-67.6	-0.6	7.4	-3.0	8.3	-0.0	-67.6	-6002	-3034	-3.0	8.3	866.9
		Viento -Y exc.-	-46.5	-1.1	4.1	-5.0	5.5	-0.0	-46.5	-4125	-2085	-5.0	5.5	710.9
P13 [96.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	488.3	-0.2	38.0	-0.6	42.3	-0.0	488.3	47240	21995	-0.6	42.3	4115.8
		Cargas muertas	345.4	-0.3	29.9	-0.9	33.3	-0.1	345.4	33413	15561	-0.9	33.3	3256.9
		H 1	70.2	0.1	-42.6	-0.1	-55.6	0.1	70.2	6791.4	3114.1	-0.1	-55.6	-5379
		Sobrecarga de uso	168.7	-0.1	13.9	-0.3	15.5	-0.0	168.7	16319	7599.0	-0.3	15.5	1512.3
		Viento +X exc.+	-4.8	1.0	1.3	4.6	1.2	-0.0	-4.8	-467.4	-216.4	4.6	1.2	-85.6
		Viento +X exc.-	-3.2	0.9	1.1	4.4	1.0	-0.0	-3.2	-308.9	-143.0	4.4	1.0	-103.3
		Viento -X exc.+	4.8	-1.0	-1.3	-4.6	-1.2	0.0	4.8	467.4	216.4	-4.6	-1.2	85.6
		Viento -X exc.-	3.2	-0.9	-1.1	-4.4	-1.0	0.0	3.2	308.9	143.0	-4.4	-1.0	103.3
		Viento +Y exc.+	73.6	0.6	-8.6	3.0	-9.4	0.0	73.6	7118.7	3299.9	3.0	-9.4	-1042
		Viento +Y exc.-	48.0	1.1	-4.7	5.0	-6.0	0.0	48.0	4646.3	2154.4	5.0	-6.0	-806.7
P14 [104.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Viento -Y exc.+	-73.6	-0.6	8.6	-3.0	9.4	-0.0	-73.6	-7119	-3300	-3.0	9.4	1042.0
		Viento -Y exc.-	-48.0	-1.1	4.7	-5.0	6.0	-0.0	-48.0	-4646	-2154	-5.0	6.0	806.7
		Peso propio	493.8	0.0	38.3	-0.3	43.1	0.0	493.8	51717	22241	-0.3	43.1	4527.7
		Cargas muertas	349.2	-0.1	28.5	-0.6	32.2	0.0	349.2	36579	15732	-0.6	32.2	3396.5
		H 1	72.1	-0.1	-43.5	-0.6	-57.5	0.0	72.1	7555.7	3200.3	-0.6	-57.5	-5998
		Sobrecarga de uso	170.7	-0.0	14.1	-0.2	15.9	0.0	170.7	17874	7687.4	-0.2	15.9	1676.1
		Viento +X exc.+	-5.8	1.0	1.5	4.5	1.4	-0.0	-5.8	-610.8	-261.1	4.5	1.4	-57.3
		Viento +X exc.-	-3.9	0.9	1.2	4.4	1.1	-0.0	-3.9	-409.5	-175.0	4.4	1.1	-81.2
		Viento -X exc.+	5.8	-1.0	-1.5	-4.5	-1.4	0.0	5.8	610.8	261.1	-4.5	-1.4	57.3
		Viento -X exc.-	3.9	-0.9	-1.2	-4.4	-1.1	0.0	3.9	409.5	175.0	-4.4	-1.1	81.2
P15 [112.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Viento +Y exc.+	80.8	0.6	-9.6	2.9	-10.2	0.0	80.8	8460.6	3622.3	2.9	-10.2	-1201
		Viento +Y exc.-	50.6	1.1	-5.1	4.9	-6.3	-0.0	50.6	5305.1	2271.9	4.9	-6.3	-881.3
		Viento -Y exc.+	-80.8	-0.6	9.6	-2.9	10.2	-0.0	-80.8	-8461	-3622	-2.9	10.2	1201.3
		Viento -Y exc.-	-50.6	-1.1	5.1	-4.9	6.3	0.0	-50.6	-5305	-2272	-4.9	6.3	881.3
		Peso propio	503.6	-0.1	37.2	-0.1	39.8	-0.0	503.6	56773	22681	-0.1	39.8	4490.5
		Cargas muertas	349.8	-0.2	26.3	-0.6	28.5	-0.0	349.8	39436	15755	-0.6	28.5	3238.4
		H 1	70.2	-0.3	-40.1	-1.2	-50.0	-0.1	70.2	7909.1	3114.5	-1.2	-50.0	-5586
		Sobrecarga de uso	176.4	-0.0	13.8	-0.1	14.8	-0.0	176.4	19888	7946.1	-0.1	14.8	1670.0
		Viento +X exc.+	-8.3	1.0	1.7	4.5	1.5	-0.0	-8.3	-939.2	-373.3	4.5	1.5	-30.5
		Viento +X exc.-	-6.1	0.9	1.3	4.4	1.2	-0.0	-6.1	-684.4	-272.0	4.4	1.2	-60.0
P16 [120.738;44.965;0.0 grados] (60x60)	-3.60/-0.45	Viento -X exc.+	8.3	-1.0	-1.7	-4.5	-1.5	0.0	8.3	939.2	373.3	-4.5	-1.5	30.5
		Viento -X exc.-	6.1	-0.9	-1.3	-4.4	-1.2	0.0	6.1	684.4	272.0	-4.4	-1.2	60.0
		Viento +Y exc.+	88.3	0.6	-10.6	2.8	-10.8	0.0	88.3	9953.8	3959.1	2.8	-10.8	-1343
		Viento +Y exc.-	52.9	1.1	-5.6	4.9	-6.5	-0.0	52.9	5963.8	2372.6	4.9	-6.5	-947.6
		Viento -Y exc.+	-88.3	-0.6	10.6	-2.8	10.8	-0.0	-88.3	-9954	-3959	-2.8	10.8	1343.4
		Viento -Y exc.-	-52.9	-1.1	5.6	-4.9	6.5	0.0	-52.9	-5964	-2373	-4.9	6.5	947.6
		Peso propio	329.2	0.7	1.5	3.4	4.7	0.1	329.2	39753	14806	3.4	4.7	410.4
		Cargas muertas	277.1	0.3	0.1	2.8	0.6	0.0	277.1	33459	12461	2.8	0.6	-54.4
		H 1	-6.8	-2.2	-2.6	-5.3	-7.7	-0.4	-6.8	-828.4	-310.3	-5.3	-7.7	-685.8
		Sobrecarga de uso	101.2	0.2	0.3	1.3	1.0	0.0	101.2	12223	4552.4	1.3	1.0	67.6
P17 [0.738;38.465;0.0 grados] (60x60)	-3.60/-0.45	Viento +X exc.+	3.8	0.9	0.1	3.9	0.3	-0.0	3.8	465.7	173.2	3.9	0.3	-143.1
		Viento +X exc.-	5.1	0.9	0.1	3.8	0.2	-0.0	5.1	620.4	230.8	3.8	0.2	-142.0
		Viento -X exc.+	-3.8	-0.9	-0.1	-3.9	-0.3	0.0	-3.8	-465.7	-173.2	-3.9	-0.3	143.1
		Viento -X exc.-	-5.1	-0.9	-0.1	-3.8	-0.2	0.0	-5.1	-620.4	-230.8	-3.8	-0.2	142.0
		Viento +Y exc.+	113.3	1.3	5.8	0.2	16.6	0.3	113.3	13685	5101.9	0.2	16.6	1991.4
		Viento +Y exc.-	93.4	1.6	6.1	1.5	17.1	0.2	93.4	11275	4204.5	1.5	17.1	2001.3
		Viento -Y exc.+	-113.3	-1.3	-5.8	-0.2	-16.6	-0.3	-113.3	-13685	-5102	-0.2	-16.6	-1991
		Viento -Y exc.-	-93.4	-1.6	-6.1	-1.5	-17.1	-0.2	-93.4	-11275	-4205	-1.5	-17.1	-2001
		Peso propio	475.3	-44.5	2.3	-47.0	10.7	-0.1	475.3	306.2	18285	-47.0	10.7	1816.8
		Cargas muertas	292.8	-30.9	0.5	-32.2	2.3	-0.0	292.8	185.2	11262	-32.2	2.3	1241.8
		H 1	75.8	42.9	-0.1	54.5	-0.1	-0.0	75.8	98.9	2916.2	54.5	-0.1	-2098
		Sobrecarga de uso	162.5	-16.0	0.6	-17.0	2.8	-0.0	162.5	103.9	6253.0	-17.0	2.8	654.9
		Viento +X exc.+	-32.8	-8.9	0.4	-8.1	2.0	-0.0	-32.8	-33.1	-1262	-8.1	2.0	311.8
		Viento +X exc.-	-32.2	-8.7	0.3	-7.9	1.5	-0.0	-32.2	-32.5	-1239	-7.9	1.5	305.7
		Viento -X exc.+	32.8	8.9	-0.4	8.1	-2.0	0.0	32.8	33.1	1261.8	8.1	-2.0	-311.8
		Viento -X exc.-	32.2	8.7	-0.3	7.9	-1.5	0.0	32.2	32.5	1239.2	7.9	-1.5	-305.7
		Viento +Y exc.+	9.9	3.9	11.1	3.4	50.7	0.0	9.9	11.2	393.0	3.4	50.7	-95.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.-	1.0	1.6	12.7	1.3	57.9	-0.0	1.0	2.3	51.9	1.3	57.9	-8.6
		Viento -Y exc.+	-9.9	-3.9	-11.1	-3.4	-50.7	0.0	-9.9	-11.2	-393.0	-3.4	-50.7	95.0
		Viento -Y exc.-	-1.0	-1.6	-12.7	-1.3	-57.9	0.0	-1.0	-2.3	-51.9	-1.3	-57.9	8.6
P18 [8.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2794.1	4.8	-7.1	4.3	-9.5	0.0	2794.1	24419	107466	4.3	-9.5	-249.6
		Cargas muertas	1126.4	-2.3	-9.5	-2.1	-10.0	0.0	1126.4	9839.9	43317	-2.1	-10.0	-8.3
		H 1	-8.6	-1.4	2.5	-1.2	2.4	0.0	-8.6	-76.5	-328.1	-1.2	2.4	68.7
		Sobrecarga de uso	1035.2	1.8	-3.2	1.7	-3.8	0.0	1035.2	9047.4	39816	1.7	-3.8	-97.0
		Viento +X exc.+	14.2	-16.2	-10.1	-14.8	-10.4	0.0	14.2	107.5	534.4	-14.8	-10.4	478.2
		Viento +X exc.-	15.2	-15.9	-7.6	-14.5	-7.9	0.0	15.2	116.9	576.9	-14.5	-7.9	489.8
		Viento -X exc.+	-14.2	16.2	10.1	14.8	10.4	0.0	-14.2	-107.5	-534.4	14.8	10.4	-478.2
		Viento -X exc.-	-15.2	15.9	7.6	14.5	7.9	0.0	-15.2	-116.9	-576.9	14.5	7.9	-489.8
		Viento +Y exc.+	-23.9	6.5	-8.2	5.7	-20.0	-0.0	-23.9	-202.0	-925.8	5.7	-20.0	-394.6
		Viento +Y exc.-	-41.6	2.3	-43.7	1.8	-56.8	-0.0	-41.6	-361.0	-1643	1.8	-56.8	-567.1
		Viento -Y exc.+	23.9	-6.5	8.2	-5.7	20.0	0.0	23.9	202.0	925.8	-5.7	20.0	394.6
		Viento -Y exc.-	41.6	-2.3	43.7	-1.8	56.8	0.0	41.6	361.0	1643.0	-1.8	56.8	567.1
P19 [16.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	3118.4	0.2	6.8	0.2	4.2	0.0	3118.4	52196	119957	0.2	4.2	63.1
		Cargas muertas	1260.8	1.1	1.6	1.1	0.8	0.0	1260.8	21104	48497	1.1	0.8	-27.4
		H 1	-6.5	0.1	2.8	0.1	2.7	0.0	-6.5	-108.9	-247.7	0.1	2.7	41.1
		Sobrecarga de uso	1167.6	0.3	1.8	0.3	1.1	0.0	1167.6	19544	44914	0.3	1.1	7.2
		Viento +X exc.+	0.8	-15.5	-7.8	-14.2	-8.0	0.0	0.8	-2.3	22.7	-14.2	-8.0	413.2
		Viento +X exc.-	0.8	-15.3	-5.9	-14.0	-6.1	0.0	0.8	-2.0	24.7	-14.0	-6.1	436.2
		Viento -X exc.+	-0.8	15.5	7.8	14.2	8.0	0.0	-0.8	2.3	-22.7	14.2	8.0	-413.2
		Viento -X exc.-	-0.8	15.3	5.9	14.0	6.1	0.0	-0.8	2.0	-24.7	14.0	6.1	-436.2
		Viento +Y exc.+	-1.2	6.3	-17.3	5.5	-28.8	-0.0	-1.2	-14.3	-64.5	5.5	-28.8	-695.5
		Viento +Y exc.-	-1.7	2.2	-45.0	1.8	-57.7	-0.0	-1.7	-26.6	-111.4	1.8	-57.7	-1036
		Viento -Y exc.+	1.2	-6.3	17.3	-5.5	28.8	0.0	1.2	14.3	64.5	-5.5	28.8	695.5
		Viento -Y exc.-	1.7	-2.2	45.0	-1.8	57.7	0.0	1.7	26.6	111.4	-1.8	57.7	1035.9
P20 [24.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2559.9	-8.0	-15.5	-7.1	-17.6	0.0	2559.9	63319	98452	-7.1	-17.6	-161.7
		Cargas muertas	1054.1	1.1	-11.2	1.0	-11.7	0.0	1054.1	26077	40533	1.0	-11.7	-328.8
		H 1	-6.2	0.1	3.3	0.1	3.2	0.0	-6.2	-153.0	-234.8	0.1	3.2	73.8
		Sobrecarga de uso	952.9	-2.8	-6.0	-2.5	-6.5	0.0	952.9	23569	36646	-2.5	-6.5	-64.2
		Viento +X exc.+	-11.9	-8.8	-0.8	-8.2	-1.2	0.0	-11.9	-304.3	-460.2	-8.2	-1.2	285.2
		Viento +X exc.-	-11.4	-8.6	-0.7	-8.0	-0.9	0.0	-11.4	-289.9	-438.1	-8.0	-0.9	285.6
		Viento -X exc.+	11.9	8.8	0.8	8.2	1.2	0.0	11.9	304.3	460.2	8.2	1.2	-285.2
		Viento -X exc.-	11.4	8.6	0.7	8.0	0.9	0.0	11.4	289.9	438.1	8.0	0.9	-285.6
		Viento +Y exc.+	-8.1	3.6	9.7	3.1	-2.2	-0.0	-8.1	-197.6	-303.1	3.1	-2.2	-174.2
		Viento +Y exc.-	-17.2	1.3	7.5	1.0	-5.9	-0.0	-17.2	-424.1	-653.9	1.0	-5.9	-181.9
		Viento -Y exc.+	8.1	-3.6	-9.7	-3.1	2.2	0.0	8.1	197.6	303.1	-3.1	2.2	174.2
		Viento -Y exc.-	17.2	-1.3	-7.5	-1.0	5.9	0.0	17.2	424.1	653.9	-1.0	5.9	181.9
P21 [32.738;38.465;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	1321.7	0.4	5.9	3.6	16.1	-1.3	1321.7	43270	50844	3.6	16.1	387.7
		Cargas muertas	421.6	-2.2	1.7	-0.6	4.1	-0.6	421.6	13800	16218	-0.6	4.1	157.6
		H 1	-1.3	-0.2	0.2	-0.0	0.4	0.0	-1.3	-41.7	-48.6	-0.0	0.4	16.3
		Sobrecarga de uso	393.4	0.3	1.8	1.3	5.1	-0.4	393.4	12880	15135	1.3	5.1	114.0
		Viento +X exc.+	59.3	-16.9	-3.0	-22.1	-20.1	0.1	59.3	1924.7	2278.2	-22.1	-20.1	191.7
		Viento +X exc.-	43.0	-16.4	-2.5	-20.9	-17.6	0.0	43.0	1390.1	1650.1	-20.9	-17.6	227.4
		Viento -X exc.+	-59.3	16.9	3.0	22.1	20.1	-0.1	-59.3	-1925	-2278	22.1	20.1	-191.7
		Viento -X exc.-	-43.0	16.4	2.5	20.9	17.6	-0.0	-43.0	-1390	-1650	20.9	17.6	-227.4
		Viento +Y exc.+	1007.4	-1.0	-24.4	-35.3	-107.7	0.4	1007.4	32978	38724	-35.3	-107.7	2168
		Viento +Y exc.-	1254.9	-7.4	-32.8	-53.1	-145.0	0.6	1254.9	41074	48235	-53.1	-145.0	-2703
		Viento -Y exc.+	-1007	1.0	24.4	35.3	107.7	-0.4	-1007	-32978	-38724	35.3	107.7	2168.2
		Viento -Y exc.-	-1255	7.4	32.8	53.1	145.0	-0.6	-1255	-41074	-48235	53.1	145.0	2702.6
P22 [40.675;38.465;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	1301.4	-1.6	4.9	-3.4	12.8	1.1	1301.4	52932	50062	-3.4	12.8	653.0
		Cargas muertas	421.0	-1.6	1.0	-2.4	3.5	0.5	421.0	17122	16195	-2.4	3.5	235.3
		H 1	-0.3	0.2	0.2	0.1	0.5	-0.0	-0.3	-11.9	-11.2	0.1	0.5	16.2
		Sobrecarga de uso	377.6	-0.7	1.4	-1.3	4.0	0.3	377.6	15358	14526	-1.3	4.0	210.8
		Viento +X exc.+	26.0	-16.2	-0.0	-17.4	7.3	0.0	26.0	1041.0	999.7	-17.4	7.3	965.7
		Viento +X exc.-	17.2	-16.0	0.2	-17.5	8.2	0.0	17.2	683.6	661.8	-17.5	8.2	1007.8
		Viento -X exc.+	-26.0	16.2	0.0	17.4	-7.3	0.0	-26.0	-1041	-999.7	17.4	-7.3	-965.7
		Viento -X exc.-	-17.2	16.0	-0.2	17.5	-8.2	-0.0	-17.2	-683.6	-661.8	17.5	-8.2	-1008
		Viento +Y exc.+	1139.7	15.1	-31.2	58.4	-140.4	-0.6	1139.7	46374	43808	58.4	-140.4	-7959
		Viento +Y exc.-	1275.9	12.0	-35.1	60.1	-155.3	-0.6	1275.9	51909	49042	60.1	-155.3	-8632
		Viento -Y exc.+	-1140	-15.1	31.2	-58.4	140.4	0.6	-1140	-46374	-43808	-58.4	140.4	7958.9
		Viento -Y exc.-	-1276	-12.0	35.1	-60.1	155.3	0.6	-1276	-51909	-49042	-60.1	155.3	8632.4
P23 [48.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2858.3	12.2	-16.7	11.0	-18.6	0.0	2858.3	139318	109926	11.0	-18.6	-1332
		Cargas muertas	1160.0	7.8	-2.0	7.0	-2.6	0.0	1160.0	56544	44618	7.0	-2.6	-395.9
		H 1	-5.9	-0.2	2.6	-0.1	2.5	0.0	-5.9	-288.5	-224.9	-0.1	2.5	126.5
		Sobrecarga de uso	1033.4	3.9	-5.7	3.5	-6.2	0.0	1033.4	50371	39745	3.5	-6.2	-437.6



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	20.3	-15.5	0.7	-14.2	0.5	0.0	20.3	974.9	782.3	-14.2	0.5	568.4
		Viento +X exc.-	20.2	-15.2	0.7	-13.9	0.5	0.0	20.2	967.3	776.1	-13.9	0.5	559.7
		Viento -X exc.+	-20.3	15.5	-0.7	14.2	-0.5	0.0	-20.3	-974.9	-782.3	14.2	-0.5	-568.4
		Viento -X exc.-	-20.2	15.2	-0.7	13.9	-0.5	0.0	-20.2	-967.3	-776.1	13.9	-0.5	-559.7
		Viento +Y exc.+	-16.1	5.9	-63.8	5.2	-73.7	-0.0	-16.1	-779.1	-683.4	5.2	-73.7	-3796
		Viento +Y exc.-	-13.4	1.9	-63.8	1.5	-74.7	-0.0	-13.4	-653.4	-581.0	1.5	-74.7	-3697
		Viento -Y exc.+	16.1	-5.9	63.8	-5.2	73.7	0.0	16.1	779.1	683.4	-5.2	73.7	3795.8
		Viento -Y exc.-	13.4	-1.9	63.8	-1.5	74.7	0.0	13.4	653.4	581.0	-1.5	74.7	3696.6
P24 [56.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2705.0	9.8	-12.0	8.9	-14.0	0.0	2705.0	153487	104036	8.9	-14.0	-1138
		Cargas muertas	1152.8	2.8	-7.2	2.5	-7.7	0.0	1152.8	65410	44335	2.5	-7.7	-532.6
		H 1	-6.1	-0.2	2.6	-0.1	2.4	0.0	-6.1	-347.5	-232.8	-0.1	2.4	141.0
		Sobrecarga de uso	995.5	3.8	-3.8	3.4	-4.4	0.0	995.5	56485	38287	3.4	-4.4	-378.5
		Viento +X exc.+	-0.6	-15.6	2.7	-14.3	2.5	0.0	-0.6	-47.8	-19.2	-14.3	2.5	688.4
		Viento +X exc.-	-0.6	-15.3	2.1	-14.0	2.0	0.0	-0.6	-51.9	-22.7	-14.0	2.0	651.6
		Viento -X exc.+	0.6	15.6	-2.7	14.3	-2.5	0.0	0.6	47.8	19.2	14.3	-2.5	-688.4
		Viento -X exc.-	0.6	15.3	-2.1	14.0	-2.0	0.0	0.6	51.9	22.7	14.0	-2.0	-651.6
		Viento +Y exc.+	-36.8	6.2	-72.5	5.5	-82.1	-0.0	-36.8	-2082	-1488	5.5	-82.1	-4866
		Viento +Y exc.-	-35.4	2.1	-65.4	1.7	-75.8	-0.0	-35.4	-2005	-1426	1.7	-75.8	-4367
		Viento -Y exc.+	36.8	-6.2	72.5	-5.5	82.1	0.0	36.8	2082.2	1488.3	-5.5	82.1	4866.0
		Viento -Y exc.-	35.4	-2.1	65.4	-1.7	75.8	0.0	35.4	2005.4	1426.4	-1.7	75.8	4366.8
		Peso propio	3049.9	0.8	-0.8	0.7	-3.0	0.0	3049.9	197442	117312	0.7	-3.0	-221.0
		Cargas muertas	1281.7	-0.4	-0.8	-0.4	-1.4	0.0	1281.7	82975	49300	-0.4	-1.4	-78.4
		H 1	-6.5	-0.0	2.6	0.0	2.4	0.0	-6.5	-420.2	-247.0	0.0	2.4	154.7
P25 [72.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Sobrecarga de uso	1155.0	-0.0	0.1	0.0	-0.5	0.0	1155.0	74771	44426	0.0	-0.5	-34.4
		Viento +X exc.+	-1.7	-15.4	4.9	-14.1	4.7	0.0	-1.7	-126.6	-61.1	-14.1	4.7	848.4
		Viento +X exc.-	-1.7	-15.1	3.9	-13.9	3.7	0.0	-1.7	-126.5	-62.3	-13.9	3.7	775.3
		Viento -X exc.+	1.7	15.4	-4.9	14.1	-4.7	0.0	1.7	126.6	61.1	14.1	-4.7	-848.4
		Viento -X exc.-	1.7	15.1	-3.9	13.9	-3.7	0.0	1.7	126.5	62.3	13.9	-3.7	-775.3
		Viento +Y exc.+	-2.7	6.2	-83.5	5.5	-92.7	-0.0	-2.7	-171.3	-189.0	5.5	-92.7	-6210
		Viento +Y exc.-	-2.3	2.2	-69.2	1.8	-79.2	-0.0	-2.3	-146.3	-157.4	1.8	-79.2	-5192
		Viento -Y exc.+	2.7	-6.2	83.5	-5.5	92.7	0.0	2.7	171.3	189.0	-5.5	92.7	6210.3
		Viento -Y exc.-	2.3	-2.2	69.2	-1.8	79.2	0.0	2.3	146.3	157.4	-1.8	79.2	5192.0
		Peso propio	2763.8	-13.0	-10.7	-11.7	-12.6	0.0	2763.8	201020	106298	-11.7	-12.6	-468.5
		Cargas muertas	1200.7	-2.1	-5.4	-1.9	-5.9	0.0	1200.7	87334	46179	-1.9	-5.9	-360.1
		H 1	-6.1	0.2	2.6	0.3	2.4	0.0	-6.1	-445.9	-233.3	0.3	2.4	166.2
		Sobrecarga de uso	1037.4	-4.6	-3.3	-4.1	-3.8	0.0	1037.4	75456	39902	-4.1	-3.8	-116.2
		Viento +X exc.+	-7.0	-15.2	7.0	-14.0	6.8	0.0	-7.0	-528.0	-264.1	-14.0	6.8	1034.2
P26 [72.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Viento +X exc.-	-7.5	-15.0	5.5	-13.7	5.4	0.0	-7.5	-558.6	-282.0	-13.7	5.4	919.0
		Viento -X exc.+	7.0	15.2	-7.0	14.0	-6.8	0.0	7.0	528.0	264.1	14.0	-6.8	-1034
		Viento -X exc.-	7.5	15.0	-5.5	13.7	-5.4	0.0	7.5	558.6	282.0	13.7	-5.4	-919.0
		Viento +Y exc.+	-48.5	6.0	-92.4	5.3	-101.2	-0.0	-48.5	-3525	-1960	5.3	-101.2	-7566
		Viento +Y exc.-	-41.3	2.1	-71.3	1.7	-80.9	-0.0	-41.3	-3004	-1661	1.7	-80.9	-5947
		Viento -Y exc.+	48.5	-6.0	92.4	-5.3	101.2	0.0	48.5	3525.3	1959.8	-5.3	101.2	7565.5
		Viento -Y exc.-	41.3	-2.1	71.3	-1.7	80.9	0.0	41.3	3003.8	1660.9	-1.7	80.9	5946.7
		Peso propio	3072.5	-0.8	18.2	-0.7	15.7	0.0	3072.5	248069	118203	-0.7	15.7	1296.8
		Cargas muertas	1337.5	-2.5	8.1	-2.2	7.3	0.0	1337.5	107987	51456	-2.2	7.3	672.9
		H 1	-5.8	0.2	2.2	0.2	1.9	0.0	-5.8	-467.6	-220.7	0.2	1.9	148.8
		Sobrecarga de uso	1171.1	-0.5	7.0	-0.4	6.3	0.0	1171.1	94555	45055	-0.4	6.3	523.8
		Viento +X exc.+	4.7	-15.0	9.0	-13.8	8.8	0.0	4.7	366.0	190.5	-13.8	8.8	1243.1
		Viento +X exc.-	4.6	-14.8	7.0	-13.5	6.9	0.0	4.6	352.9	182.2	-13.5	6.9	1077.3
		Viento -X exc.+	-4.7	15.0	-9.0	13.8	-8.8	0.0	-4.7	-366.0	-190.5	13.8	-8.8	-1243
P27 [80.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Viento -X exc.-	-4.6	14.8	-7.0	13.5	-6.9	0.0	-4.6	-352.9	-182.2	13.5	-6.9	-1077
		Viento +Y exc.+	-10.9	6.1	-102.6	5.4	-111.1	-0.0	-10.9	-871.7	-520.8	5.4	-111.1	-9177
		Viento +Y exc.-	-8.0	2.2	-74.7	1.8	-83.8	-0.0	-8.0	-646.4	-383.7	1.8	-83.8	-6834
		Viento -Y exc.+	10.9	-6.1	102.6	-5.4	111.1	0.0	10.9	871.7	520.8	-5.4	111.1	9176.7
		Viento -Y exc.-	8.0	-2.2	74.7	-1.8	83.8	0.0	8.0	646.4	383.7	-1.8	83.8	6833.7
		Peso propio	2726.6	-10.1	-15.9	-9.0	-17.6	0.0	2726.6	241943	104862	-9.0	-17.6	-1216
		Cargas muertas	1185.9	-3.3	-8.8	-2.9	-9.2	0.0	1185.9	105231	45607	-2.9	-9.2	-707.9
		H 1	-6.0	0.1	2.5	0.2	2.3	0.0	-6.0	-531.0	-227.7	0.2	2.3	195.7
		Sobrecarga de uso	1016.0	-3.6	-4.9	-3.2	-5.4	0.0	1016.0	90153	39075	-3.2	-5.4	-351.7
		Viento +X exc.+	-7.2	-15.6	11.4	-14.3	11.3	0.0	-7.2	-657.3	-266.7	-14.3	11.3	1547.9
		Viento +X exc.-	-8.2	-15.3	8.9	-14.0	8.8	0.0	-8.2	-743.2	-306.6	-14.0	8.8	1318.3
		Viento -X exc.+	7.2	15.6	-11.4	14.3	-11.3	0.0	7.2	657.3	266.7	14.3	-11.3	-1548
		Viento -X exc.-	8.2	15.3	-8.9	14.0	-8.8	0.0	8.2	743.2	306.6	14.0	-8.8	-1318
		Viento +Y exc.+	-64.8	6.2	-116.2	5.5	-124.3	-0.0	-64.8	-5748	-2611	5.5	-124.3	-11239
P28 [88.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Viento +Y exc.-	-48.8	2.2	-80.6	1.8	-89.2	-0.0	-48.8	-4330	-1958	1.8	-89.2	-7981
		Viento -Y exc.+	64.8	-6.2	116.2	-5.5	124.3	0.0	64.8	5748.2	2610.6	-5.5	124.3	11239



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -Y exc.-	48.8	-2.2	80.6	-1.8	89.2	0.0	48.8	4329.8	1958.3	-1.8	89.2	7981.5
P29 [96.738;38.465;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	3085.3	5.3	18.7	4.8	16.3	0.0	3085.3	298472	118695	4.8	16.3	1390.6
		Cargas muertas	1351.6	9.4	11.6	8.5	10.8	0.0	1351.6	130764	52002	8.5	10.8	714.3
		H 1	-5.6	0.1	2.1	0.1	1.8	0.0	-5.6	-537.6	-211.7	0.1	1.8	173.3
		Sobrecarga de uso	1179.2	1.4	6.9	1.3	6.2	0.0	1179.2	114072	45364	1.3	6.2	548.2
		Viento +X exc.+	-0.7	-15.6	13.5	-14.3	13.4	0.0	-0.7	-84.5	-13.9	-14.3	13.4	1843.9
		Viento +X exc.-	-1.0	-15.3	10.5	-14.0	10.4	0.0	-1.0	-109.4	-26.9	-14.0	10.4	1543.8
		Viento -X exc.+	0.7	15.6	-13.5	14.3	-13.4	0.0	0.7	84.5	13.9	14.3	-13.4	-1844
		Viento -X exc.-	1.0	15.3	-10.5	14.0	-10.4	0.0	1.0	109.4	26.9	14.0	-10.4	-1544
		Viento +Y exc.+	-15.2	6.3	-128.1	5.5	-135.7	-0.0	-15.2	-1461	-711.6	5.5	-135.7	-13344
		Viento +Y exc.-	-10.6	2.2	-85.0	1.8	-93.1	-0.0	-10.6	-1022	-492.4	1.8	-93.1	-9079
		Viento -Y exc.+	15.2	-6.3	128.1	-5.5	135.7	0.0	15.2	1461.3	711.6	-5.5	135.7	13344
		Viento -Y exc.-	10.6	-2.2	85.0	-1.8	93.1	0.0	10.6	1022.4	492.4	-1.8	93.1	9078.8
P30 [104.738;38.465;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	3077.4	-11.9	-1.2	-10.7	-1.5	0.0	3077.4	322304	118369	-10.7	-1.5	252.4
		Cargas muertas	1216.4	-2.2	-1.5	-2.0	-1.5	0.0	1216.4	127402	46788	-2.0	-1.5	-82.0
		H 1	-5.6	-0.3	2.1	-0.3	1.8	0.0	-5.6	-586.3	-213.1	-0.3	1.8	201.6
		Sobrecarga de uso	1060.1	-1.0	-1.2	-0.8	-1.2	0.0	1060.1	111027	40774	-0.8	-1.2	-90.8
		Viento +X exc.+	20.1	-15.7	4.5	-14.5	4.1	0.0	20.1	2084.5	775.8	-14.5	4.1	991.3
		Viento +X exc.-	18.4	-15.4	3.5	-14.3	3.2	0.0	18.4	1907.5	709.7	-14.3	3.2	884.8
		Viento -X exc.+	-20.1	15.7	-4.5	14.5	-4.1	0.0	-20.1	-2084	-775.8	14.5	-4.1	-991.3
		Viento -X exc.-	-18.4	15.4	-3.5	14.3	-3.2	0.0	-18.4	-1907	-709.7	14.3	-3.2	-884.8
		Viento +Y exc.+	-70.7	6.4	-38.5	5.7	-37.4	-0.0	-70.7	-7402	-2759	5.7	-37.4	-4140
		Viento +Y exc.-	-43.5	2.2	-24.4	1.8	-24.4	-0.0	-43.5	-4552	-1697	1.8	-24.4	-2629
		Viento -Y exc.+	70.7	-6.4	38.5	-5.7	37.4	0.0	70.7	7401.5	2759.1	-5.7	37.4	4140.0
		Viento -Y exc.-	43.5	-2.2	24.4	-1.8	24.4	0.0	43.5	4552.1	1696.9	-1.8	24.4	2629.0
P31 [112.738;38.465;0.0 grados] (60x90)	-3.60/-0.45	Peso propio	3341.9	4.1	18.3	3.7	16.1	0.0	3341.9	376765	128564	3.7	16.1	1675.6
		Cargas muertas	1376.0	2.9	8.8	2.7	7.9	0.0	1376.0	155134	52938	2.7	7.9	787.2
		H 1	-7.1	0.8	2.0	0.8	1.7	0.0	-7.1	-795.4	-269.7	0.8	1.7	167.6
		Sobrecarga de uso	1207.9	1.7	5.3	1.6	4.7	0.0	1207.9	136180	46468	1.6	4.7	467.6
		Viento +X exc.+	-18.8	-16.4	5.1	-15.2	4.7	0.0	-18.8	-2140	-719.5	-15.2	4.7	1110.7
		Viento +X exc.-	-19.6	-16.1	3.9	-14.9	3.6	0.0	-19.6	-2230	-751.3	-14.9	3.6	980.4
		Viento -X exc.+	18.8	16.4	-5.1	15.2	-4.7	0.0	18.8	2140.0	719.5	15.2	-4.7	-1111
		Viento -X exc.-	19.6	16.1	-3.9	14.9	-3.6	0.0	19.6	2229.7	751.3	14.9	-3.6	-980.4
		Viento +Y exc.+	-40.4	6.5	-42.1	5.8	-40.7	-0.0	-40.4	-4551	-1597	5.8	-40.7	-4807
		Viento +Y exc.-	-26.7	2.3	-25.8	1.9	-25.6	-0.0	-26.7	-3006	-1052	1.9	-25.6	-2958
		Viento -Y exc.+	40.4	-6.5	42.1	-5.8	40.7	0.0	40.4	4550.6	1597.0	-5.8	40.7	4807.5
		Viento -Y exc.-	26.7	-2.3	25.8	-1.9	25.6	0.0	26.7	3005.7	1052.0	-1.9	25.6	2957.9
P32 [112.738;38.465;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	498.4	34.6	1.7	63.1	8.6	0.1	498.4	60207	19172	63.1	8.6	-1392
		Cargas muertas	340.3	17.1	0.3	33.1	2.0	0.1	340.3	41103	13089	33.1	2.0	-1026
		H 1	82.4	-29.4	-0.1	-54.9	0.5	0.1	82.4	9917.3	3168.7	-54.9	0.5	2165.9
		Sobrecarga de uso	159.7	12.7	0.5	23.0	2.5	0.0	159.7	19299	6144.9	23.0	2.5	-581.1
		Viento +X exc.+	31.3	-4.9	-0.1	-7.1	-0.4	-0.0	31.3	3777.0	1204.8	-7.1	-0.4	223.8
		Viento +X exc.-	30.7	-4.8	-0.0	-7.0	-0.3	-0.0	30.7	3701.1	1180.6	-7.0	-0.3	232.0
		Viento -X exc.+	-31.3	4.9	0.1	7.1	0.4	0.0	-31.3	-3777	-1205	7.1	0.4	-223.8
		Viento -X exc.-	-30.7	4.8	0.0	7.0	0.3	0.0	-30.7	-3701	-1181	7.0	0.3	-232.0
		Viento +Y exc.+	-21.0	1.8	7.3	2.2	35.7	0.2	-21.0	-2530	-799.4	2.2	35.7	4226.0
		Viento +Y exc.-	-11.5	0.7	7.2	0.5	34.4	0.1	-11.5	-1383	-433.6	0.5	34.4	4134.6
		Viento -Y exc.+	21.0	-1.8	-7.3	-2.2	-35.7	-0.2	21.0	2530.4	799.4	-2.2	-35.7	-4226
		Viento -Y exc.-	11.5	-0.7	-7.2	-0.5	-34.4	-0.1	11.5	1382.9	433.6	-0.5	-34.4	-4135
P33 [0.738;31.965;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	506.7	-42.8	2.5	-46.8	11.4	0.1	506.7	331.1	16199	-46.8	11.4	1505.0
		Cargas muertas	311.4	-28.4	0.9	-30.8	4.0	0.1	311.4	201.3	9953.8	-30.8	4.0	988.4
		H 1	72.5	42.3	0.1	55.1	-0.3	0.0	72.5	95.8	2318.4	55.1	-0.3	-1763
		Sobrecarga de uso	172.7	-15.0	0.7	-16.5	2.9	0.0	172.7	112.4	5519.5	-16.5	2.9	528.7
		Viento +X exc.+	-32.2	-8.4	0.4	-7.7	2.1	0.0	-32.2	-32.2	-1030	-7.7	2.1	248.3
		Viento +X exc.-	-32.3	-8.3	0.3	-7.6	1.6	0.0	-32.3	-32.1	-1031	-7.6	1.6	244.5
		Viento -X exc.+	32.2	8.4	-0.4	7.7	-2.1	-0.0	32.2	32.2	1030.1	7.7	-2.1	-248.3
		Viento -X exc.-	32.3	8.3	-0.3	7.6	-1.6	-0.0	32.3	32.1	1031.0	7.6	-1.6	-244.5
		Viento +Y exc.+	8.7	2.0	10.7	1.8	51.2	-0.0	8.7	8.4	287.6	1.8	51.2	-19.7
		Viento +Y exc.-	9.8	0.4	12.2	0.2	58.6	-0.0	9.8	7.6	325.0	0.2	58.6	36.6
		Viento -Y exc.+	-8.7	-2.0	-10.7	-1.8	-51.2	0.0	-8.7	-8.4	-287.6	-1.8	-51.2	19.7
		Viento -Y exc.-	-9.8	-0.4	-12.2	-0.2	-58.6	0.0	-9.8	-7.6	-325.0	-0.2	-58.6	-36.6
P34 [8.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	3009.3	1.6	-15.5	1.5	-17.7	0.0	3009.3	26297	96177	1.5	-17.7	-201.5
		Cargas muertas	1197.1	-1.7	-14.1	-1.5	-14.5	0.0	1197.1	10458	38251	-1.5	-14.5	-79.0
		H 1	-2.2	-1.5	0.1	-1.4	0.1	0.0	-2.2	-20.4	-68.8	-1.4	0.1	44.2
		Sobrecarga de uso	1126.1	-0.0	-4.9	-0.0	-5.4	0.0	1126.1	9839.6	35991	-0.0	-5.4	-46.6
		Viento +X exc.+	9.8	-15.0	-10.2	-13.8	-10.6	0.0	9.8	70.6	303.0	-13.8	-10.6	347.6
		Viento +X exc.-	8.8	-14.8	-7.8	-13.6	-8.0	0.0	8.8	61.8	272.7	-13.6	-8.0	364.6





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	-9.8	15.0	10.2	13.8	10.6	0.0	-9.8	-70.6	-303.0	13.8	10.6	-347.6
		Viento -X exc.-	-8.8	14.8	7.8	13.6	8.0	0.0	-8.8	-61.8	-272.7	13.6	8.0	-364.6
		Viento +Y exc.+	17.8	3.7	-7.9	3.3	-19.8	-0.0	17.8	158.9	559.8	3.3	-19.8	-278.0
		Viento +Y exc.-	35.1	1.3	-43.5	1.0	-56.5	-0.0	35.1	307.8	1078.0	1.0	-56.5	-527.1
		Viento -Y exc.+	-17.8	-3.7	7.9	-3.3	19.8	0.0	-17.8	-158.9	-559.8	-3.3	19.8	278.0
		Viento -Y exc.-	-35.1	-1.3	43.5	-1.0	56.5	0.0	-35.1	-307.8	-1078	-1.0	56.5	527.1
P35 [16.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2975.3	0.4	-25.2	0.4	-27.1	0.0	2975.3	49800	95079	0.4	-27.1	-467.7
		Cargas muertas	1188.0	-0.1	-16.1	-0.1	-16.5	0.0	1188.0	19884	37958	-0.1	-16.5	-274.4
		H 1	0.8	0.2	-0.2	0.2	-0.2	0.0	0.8	13.9	26.1	0.2	-0.2	-8.7
		Sobrecarga de uso	1119.9	0.2	-7.4	0.2	-7.9	0.0	1119.9	18745	35791	0.2	-7.9	-137.9
		Viento +X exc.+	-0.8	-14.8	-7.8	-13.5	-8.1	0.0	-0.8	-27.3	-31.8	-13.5	-8.1	296.7
		Viento +X exc.-	-1.3	-14.6	-5.9	-13.4	-6.1	0.0	-1.3	-35.6	-45.9	-13.4	-6.1	325.1
		Viento -X exc.+	0.8	14.8	7.8	13.5	8.1	0.0	0.8	27.3	31.8	13.5	8.1	-296.7
		Viento -X exc.-	1.3	14.6	5.9	13.4	6.1	0.0	1.3	35.6	45.9	13.4	6.1	-325.1
		Viento +Y exc.+	16.3	3.7	-17.9	3.3	-29.4	-0.0	16.3	276.5	503.0	3.3	-29.4	-597.8
		Viento +Y exc.-	25.3	1.3	-45.9	1.1	-58.5	-0.0	25.3	424.8	762.9	1.1	-58.5	-1015
		Viento -Y exc.+	-16.3	-3.7	17.9	-3.3	29.4	0.0	-16.3	-276.5	-503.0	-3.3	29.4	597.8
		Viento -Y exc.-	-25.3	-1.3	45.9	-1.1	58.5	0.0	-25.3	-424.8	-762.9	-1.1	58.5	1014.6
P37 [48.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	3109.9	-12.1	-6.9	-10.8	-9.1	0.0	3109.9	151558	99400	-10.8	-9.1	-98.1
		Cargas muertas	1263.6	-2.8	-9.0	-2.5	-9.4	0.0	1263.6	61584	40383	-2.5	-9.4	-381.3
		H 1	0.2	-0.0	0.1	0.0	0.0	0.0	0.2	11.6	7.8	0.0	0.0	0.4
		Sobrecarga de uso	1124.9	-5.1	-0.6	-4.5	-1.2	0.0	1124.9	54821	35957	-4.5	-1.2	87.1
		Viento +X exc.+	20.2	-15.0	0.6	-13.7	0.4	0.0	20.2	971.3	647.4	-13.7	0.4	455.7
		Viento +X exc.-	20.2	-14.8	0.6	-13.6	0.4	0.0	20.2	969.0	645.8	-13.6	0.4	452.3
		Viento -X exc.+	-20.2	15.0	-0.6	13.7	-0.4	0.0	-20.2	-971.3	-647.4	13.7	-0.4	-455.7
		Viento -X exc.-	-20.2	14.8	-0.6	13.6	-0.4	0.0	-20.2	-969.0	-645.8	13.6	-0.4	-452.3
		Viento +Y exc.+	16.2	3.8	-65.1	3.3	-75.0	-0.0	16.2	794.9	453.8	3.3	-75.0	-3761
		Viento +Y exc.-	16.8	1.4	-65.2	1.1	-76.0	-0.0	16.8	818.7	470.8	1.1	-76.0	-3738
		Viento -Y exc.+	-16.2	-3.8	65.1	-3.3	75.0	0.0	-16.2	-794.9	-453.8	-3.3	75.0	3760.9
		Viento -Y exc.-	-16.8	-1.4	65.2	-1.1	76.0	0.0	-16.8	-818.7	-470.8	-1.1	76.0	3738.1
P38 [56.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2940.3	4.6	-32.0	4.2	-33.6	0.0	2940.3	166828	93953	4.2	-33.6	-2038
		Cargas muertas	1190.7	0.6	-22.4	0.6	-22.6	0.0	1190.7	67556	38037	0.6	-22.6	-1300
		H 1	0.4	-0.0	0.0	0.0	-0.1	0.0	0.4	23.2	13.1	0.0	-0.1	-5.0
		Sobrecarga de uso	1090.2	1.8	-9.5	1.6	-9.9	0.0	1090.2	61858	34839	1.6	-9.9	-612.8
		Viento +X exc.+	-10.1	-14.8	2.8	-13.6	2.6	0.0	-10.1	-588.5	-320.4	-13.6	2.6	579.7
		Viento +X exc.-	-10.1	-14.6	2.3	-13.4	2.1	0.0	-10.1	-585.4	-319.3	-13.4	2.1	547.8
		Viento -X exc.+	10.1	14.8	-2.8	13.6	-2.6	0.0	10.1	588.5	320.4	13.6	-2.6	-579.7
		Viento -X exc.-	10.1	14.6	-2.3	13.4	-2.1	0.0	10.1	585.4	319.3	13.4	-2.1	-547.8
		Viento +Y exc.+	28.2	3.7	-72.8	3.2	-82.4	-0.0	28.2	1601.0	827.1	3.2	-82.4	-4777
		Viento +Y exc.-	26.9	1.3	-65.6	1.0	-76.0	-0.0	26.9	1528.8	794.9	1.0	-76.0	-4347
		Viento -Y exc.+	-28.2	-3.7	72.8	-3.2	82.4	0.0	-28.2	-1601	-827.1	-3.2	82.4	4776.9
		Viento -Y exc.-	-26.9	-1.3	65.6	-1.0	76.0	0.0	-26.9	-1529	-794.9	-1.0	76.0	4347.3
P39 [64.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2967.1	-1.7	-32.6	-1.5	-34.2	0.0	2967.1	192080	94809	-1.5	-34.2	-2163
		Cargas muertas	1200.4	-1.0	-17.7	-0.8	-17.9	0.0	1200.4	77713	38354	-0.8	-17.9	-1135
		H 1	0.5	-0.0	0.0	0.0	-0.1	0.0	0.5	32.7	16.2	0.0	-0.1	-7.1
		Sobrecarga de uso	1127.6	-0.6	-9.0	-0.5	-9.4	0.0	1127.6	73001	36036	-0.5	-9.4	-593.6
		Viento +X exc.+	-0.9	-14.8	4.9	-13.6	4.7	0.0	-0.9	-72.6	-23.6	-13.6	4.7	741.7
		Viento +X exc.-	-0.8	-14.7	3.9	-13.4	3.8	0.0	-0.8	-68.6	-22.7	-13.4	3.8	673.6
		Viento -X exc.+	0.9	14.8	-4.9	13.6	-4.7	0.0	0.9	72.6	23.6	13.6	-4.7	-741.7
		Viento -X exc.-	0.8	14.7	-3.9	13.4	-3.8	0.0	0.8	68.6	22.7	13.4	-3.8	-673.6
		Viento +Y exc.+	13.7	3.8	-83.6	3.3	-92.8	-0.0	13.7	891.2	354.6	3.3	-92.8	-6110
		Viento +Y exc.-	12.4	1.4	-69.3	1.1	-79.2	-0.0	12.4	802.4	326.2	1.1	-79.2	-5165
		Viento -Y exc.+	-13.7	-3.8	83.6	-3.3	92.8	0.0	-13.7	-891.2	-354.6	-3.3	92.8	6110.4
		Viento -Y exc.-	-12.4	-1.4	69.3	-1.1	79.2	0.0	-12.4	-802.4	-326.2	-1.1	79.2	5164.6
P40 [72.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	3005.6	-9.1	-32.7	-8.1	-34.2	0.0	3005.6	218614	96042	-8.1	-34.2	-2225
		Cargas muertas	1240.7	-1.0	-21.5	-0.9	-21.6	0.0	1240.7	90242	39636	-0.9	-21.6	-1546
		H 1	0.4	-0.0	0.1	0.0	-0.0	0.0	0.4	28.2	12.5	0.0	-0.0	-3.6
		Sobrecarga de uso	1139.1	-2.7	-9.2	-2.4	-9.6	0.0	1139.1	82855	36403	-2.4	-9.6	-618.2
		Viento +X exc.+	3.0	-14.8	7.1	-13.5	6.9	0.0	3.0	202.5	102.6	-13.5	6.9	933.4
		Viento +X exc.-	3.2	-14.6	5.6	-13.4	5.4	0.0	3.2	216.8	107.3	-13.4	5.4	821.8
		Viento -X exc.+	-3.0	14.8	-7.1	13.5	-6.9	0.0	-3.0	-202.5	-102.6	13.5	-6.9	-933.4
		Viento -X exc.-	-3.2	14.6	-5.6	13.4	-5.4	0.0	-3.2	-216.8	-107.3	13.4	-5.4	-821.8
		Viento +Y exc.+	21.6	3.8	-93.6	3.3	-102.5	-0.0	21.6	1574.7	596.7	3.3	-102.5	-7560
		Viento +Y exc.-	18.1	1.4	-72.4	1.1	-81.9	-0.0	18.1	1314.9	504.9	1.1	-81.9	-5993
		Viento -Y exc.+	-21.6	-3.8	93.6	-3.3	102.5	0.0	-21.6	-1575	-596.7	-3.3	102.5	7559.5
		Viento -Y exc.-	-18.1	-1.4	72.4	-1.1	81.9	0.0	-18.1	-1315	-504.9	-1.1	81.9	5992.6
P41 [80.738;31.965;0.0 grados]	-3.60/-0.45	Peso propio	2862.9	3.3	-21.7	3.1	-20.2	0.0	2862.9	231152	91492	3.1	-20.2	-1732





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(60x60)		Cargas muertas	1195.1	-0.4	-13.3	-0.3	-12.2	0.0	1195.1	96488	38187	-0.3	-12.2	-974.7
		H 1	0.4	-0.0	-0.0	-0.0	-0.1	0.0	0.4	32.8	13.0	-0.0	-0.1	-5.7
		Sobrecarga de uso	1107.3	0.5	-5.9	0.5	-5.5	0.0	1107.3	89402	35389	0.5	-5.5	-462.7
		Viento +X exc.+	-1.8	-15.1	2.5	-14.0	2.3	0.0	-1.8	-162.7	-55.9	-14.0	2.3	635.2
		Viento +X exc.-	-1.5	-14.9	2.0	-13.9	1.8	0.0	-1.5	-136.2	-46.0	-13.9	1.8	588.3
		Viento -X exc.+	1.8	15.1	-2.5	14.0	-2.3	0.0	1.8	162.7	55.9	14.0	-2.3	-635.2
		Viento -X exc.-	1.5	14.9	-2.0	13.9	-1.8	0.0	1.5	136.2	46.0	13.9	-1.8	-588.3
		Viento +Y exc.+	25.3	3.7	-29.1	3.3	-29.0	-0.0	25.3	2046.7	779.7	3.3	-29.0	-244.7
		Viento +Y exc.-	19.8	1.3	-21.1	1.0	-21.7	-0.0	19.8	1602.8	613.0	1.0	-21.7	-1786
		Viento -Y exc.+	-25.3	-3.7	29.1	-3.3	29.0	0.0	-25.3	-2047	-779.7	-3.3	29.0	2446.7
		Viento -Y exc.-	-19.8	-1.3	21.1	-1.0	21.7	0.0	-19.8	-1603	-613.0	-1.0	21.7	1786.2
P42 [88.738;31.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	2902.3	-8.7	-23.4	-7.9	-21.7	0.0	2902.3	257534	92748	-7.9	-21.7	-1677
		Cargas muertas	1208.1	-2.9	-17.0	-2.6	-15.6	0.0	1208.1	107199	38599	-2.6	-15.6	-1304
		H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0	0.4	35.0	12.6	0.0	-0.1	-7.2
		Sobrecarga de uso	1097.6	-2.8	-6.3	-2.5	-5.9	0.0	1097.6	97396	35078	-2.5	-5.9	-442.9
		Viento +X exc.+	1.2	-15.1	3.2	-14.0	3.0	0.0	1.2	93.0	42.2	-14.0	3.0	711.5
		Viento +X exc.-	1.7	-14.9	2.5	-13.9	2.3	0.0	1.7	132.3	55.6	-13.9	2.3	647.2
		Viento -X exc.+	-1.2	15.1	-3.2	14.0	-3.0	0.0	-1.2	-93.0	-42.2	14.0	-3.0	-711.5
		Viento -X exc.-	-1.7	14.9	-2.5	13.9	-2.3	0.0	-1.7	-132.3	-55.6	13.9	-2.3	-647.2
		Viento +Y exc.+	30.5	3.7	-33.3	3.3	-32.7	-0.0	30.5	2710.1	941.6	3.3	-32.7	-3009
		Viento +Y exc.-	22.6	1.3	-22.9	1.1	-23.3	-0.0	22.6	2005.5	699.0	1.1	-23.3	-2100
		Viento -Y exc.+	-30.5	-3.7	33.3	-3.3	32.7	0.0	-30.5	-2710	-941.6	-3.3	32.7	3008.8
Viento -Y exc.-	-22.6	-1.3	22.9	-1.1	23.3	0.0	-22.6	-2006	-699.0	-1.1	23.3	2100.2		
P43 [96.738;31.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	2897.5	3.2	-20.1	2.9	-18.8	0.0	2897.5	280302	92598	2.9	-18.8	-1911
		Cargas muertas	1202.9	5.9	-13.5	5.4	-12.4	0.0	1202.9	116374	38438	5.4	-12.4	-1372
		H 1	0.4	-0.0	-0.0	0.0	-0.1	0.0	0.4	36.4	12.0	0.0	-0.1	-6.0
		Sobrecarga de uso	1119.8	0.7	-4.8	0.7	-4.5	0.0	1119.8	108331	35790	0.7	-4.5	-458.8
		Viento +X exc.+	-4.0	-14.8	3.9	-13.8	3.6	0.0	-4.0	-405.6	-125.2	-13.8	3.6	785.0
		Viento +X exc.-	-3.6	-14.7	3.0	-13.6	2.8	0.0	-3.6	-366.3	-113.2	-13.6	2.8	703.8
		Viento -X exc.+	4.0	14.8	-3.9	13.8	-3.6	0.0	4.0	405.6	125.2	13.8	-3.6	-785.0
		Viento -X exc.-	3.6	14.7	-3.0	13.6	-2.8	0.0	3.6	366.3	113.2	13.6	-2.8	-703.8
		Viento +Y exc.+	22.7	3.8	-35.6	3.3	-34.8	-0.0	22.7	2198.8	689.7	3.3	-34.8	-3478
		Viento +Y exc.-	15.8	1.3	-23.5	1.1	-23.7	-0.0	15.8	1528.5	481.1	1.1	-23.7	-2328
		Viento -Y exc.+	-22.7	-3.8	35.6	-3.3	34.8	0.0	-22.7	-2199	-689.7	-3.3	34.8	3477.7
Viento -Y exc.-	-15.8	-1.3	23.5	-1.1	23.7	0.0	-15.8	-1528	-481.1	-1.1	23.7	2328.3		
P36 [24.738;31.965;0.0 grados] (50x100)	-3.60/-0.45	Peso propio	2829.3	0.2	-20.2	0.2	-22.2	0.0	2829.3	69992	90419	0.2	-22.2	-556.7
		Cargas muertas	1190.8	4.2	-16.1	3.8	-16.5	0.0	1190.8	29462	38048	3.8	-16.5	-529.3
		H 1	0.4	-0.1	-0.2	-0.0	-0.2	0.0	0.4	10.1	13.0	-0.0	-0.2	-3.9
		Sobrecarga de uso	1060.3	0.3	-6.0	0.2	-6.6	0.0	1060.3	26229	33886	0.2	-6.6	-170.0
		Viento +X exc.+	-4.1	-8.2	-0.6	-7.6	-1.0	0.0	-4.1	-110.0	-132.2	-7.6	-1.0	219.4
		Viento +X exc.-	-4.6	-8.1	-0.5	-7.6	-0.8	0.0	-4.6	-121.7	-147.2	-7.6	-0.8	223.2
		Viento -X exc.+	4.1	8.2	0.6	7.6	1.0	0.0	4.1	110.0	132.2	7.6	1.0	-219.4
		Viento -X exc.-	4.6	8.1	0.5	7.6	0.8	0.0	4.6	121.7	147.2	7.6	0.8	-223.2
		Viento +Y exc.+	11.9	2.5	9.7	2.2	-2.2	-0.0	11.9	297.5	390.8	2.2	-2.2	-124.7
		Viento +Y exc.-	19.8	1.3	7.4	1.1	-5.9	-0.0	19.8	491.6	641.0	1.1	-5.9	-180.6
		Viento -Y exc.+	-11.9	-2.5	-9.7	-2.2	2.2	0.0	-11.9	-297.5	-390.8	-2.2	2.2	124.7
Viento -Y exc.-	-19.8	-1.3	-7.4	-1.1	5.9	0.0	-19.8	-491.6	-641.0	-1.1	5.9	180.6		
P44 [104.738;31.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	3189.8	-15.9	-42.3	-14.4	-38.9	0.0	3189.8	334075	101918	-14.4	-38.9	-3618
		Cargas muertas	1252.3	-7.3	-23.2	-6.6	-21.2	0.0	1252.3	131155	40006	-6.6	-21.2	-2013
		H 1	0.7	-0.1	-0.0	-0.1	-0.1	0.0	0.7	73.7	22.5	-0.1	-0.1	-5.5
		Sobrecarga de uso	1149.0	-3.4	-10.7	-3.1	-9.8	0.0	1149.0	120339	36717	-3.1	-9.8	-929.2
		Viento +X exc.+	-2.5	-14.5	4.4	-13.5	4.0	0.0	-2.5	-271.8	-74.1	-13.5	4.0	853.3
		Viento +X exc.-	-1.5	-14.3	3.4	-13.3	3.1	0.0	-1.5	-169.4	-43.9	-13.3	3.1	753.3
		Viento -X exc.+	2.5	14.5	-4.4	13.5	-4.0	0.0	2.5	271.8	74.1	13.5	-4.0	-853.3
		Viento -X exc.-	1.5	14.3	-3.4	13.3	-3.1	0.0	1.5	169.4	43.9	13.3	-3.1	-753.3
		Viento +Y exc.+	36.8	3.6	-38.2	3.2	-37.1	-0.0	36.8	3859.5	1138.6	3.2	-37.1	-3988
		Viento +Y exc.-	20.8	1.2	-24.1	1.0	-24.2	-0.0	20.8	2185.0	642.3	1.0	-24.2	-2568
		Viento -Y exc.+	-36.8	-3.6	38.2	-3.2	37.1	0.0	-36.8	-3860	-1139	-3.2	37.1	3988.3
Viento -Y exc.-	-20.8	-1.2	24.1	-1.0	24.2	0.0	-20.8	-2185	-642.3	-1.0	24.2	2568.0		
P45 [112.738;31.965;0.0 grados] (60x60)	-3.60/-0.45	Peso propio	3176.5	11.1	-34.6	10.1	-31.9	0.0	3176.5	358120	101501	10.1	-31.9	-3919
		Cargas muertas	1277.0	2.3	-19.2	2.1	-17.6	0.0	1277.0	143971	40801	2.1	-17.6	-2050
		H 1	-0.3	0.6	0.3	0.6	0.2	0.0	-0.3	-29.6	-8.3	0.6	0.2	-0.9
		Sobrecarga de uso	1176.9	3.5	-9.5	3.2	-8.8	0.0	1176.9	132682	37609	3.2	-8.8	-1093
		Viento +X exc.+	-12.6	-15.2	5.1	-14.1	4.7	0.0	-12.6	-1436	-397.8	-14.1	4.7	979.5
		Viento +X exc.-	-11.7	-15.0	4.0	-13.9	3.6	0.0	-11.7	-1336	-370.5	-13.9	3.6	856.6
		Viento -X exc.+	12.6	15.2	-5.1	14.1	-4.7	0.0	12.6	1436.3	397.8	14.1	-4.7	-979.5
Viento -X exc.-	11.7	15.0	-4.0	13.9	-3.6	0.0	11.7	1335.8	370.5	13.9	-3.6	-856.6		



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	38.8	3.9	-41.5	3.5	-40.0	-0.0	38.8	4372.8	1197.3	3.5	-40.0	-4626
		Viento +Y exc.-	23.3	1.4	-25.3	1.2	-25.2	-0.0	23.3	2633.2	720.9	1.2	-25.2	-2881
		Viento -Y exc.+	-38.8	-3.9	41.5	-3.5	40.0	0.0	-38.8	-4373	-1197	-3.5	40.0	4625.5
		Viento -Y exc.-	-23.3	-1.4	25.3	-1.2	25.2	0.0	-23.3	-2633	-720.9	-1.2	25.2	2881.3
P46 [120.738;31.965;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	492.9	34.2	1.4	63.8	5.7	-0.0	492.9	59550	15758	63.8	5.7	-1350
		Cargas muertas	329.5	19.2	-0.1	36.9	-0.7	0.0	329.5	39807	10533	36.9	-0.7	-1263
		H 1	71.9	-26.6	-0.5	-51.3	-0.6	0.2	71.9	8660.1	2299.2	-51.3	-0.6	1570.3
		Sobrecarga de uso	161.5	12.8	0.4	23.6	1.6	-0.0	161.5	19517	5164.1	23.6	1.6	-559.0
		Viento +X exc.+	29.5	-4.8	-0.1	-7.0	-0.9	-0.0	29.5	3557.7	943.0	-7.0	-0.9	116.5
		Viento +X exc.-	29.4	-4.7	-0.1	-6.9	-0.8	-0.0	29.4	3545.8	939.9	-6.9	-0.8	127.7
		Viento -X exc.+	-29.5	4.8	0.1	7.0	0.9	0.0	-29.5	-3558	-943.0	7.0	0.9	-116.5
		Viento -X exc.-	-29.4	4.7	0.1	6.9	0.8	0.0	-29.4	-3546	-939.9	6.9	0.8	-127.7
		Viento +Y exc.+	-3.5	1.8	7.1	2.7	36.0	0.2	-3.5	-420.8	-104.8	2.7	36.0	4265.0
		Viento +Y exc.-	-2.5	0.8	7.0	1.1	34.5	0.1	-2.5	-304.1	-73.7	1.1	34.5	4135.9
		Viento -Y exc.+	3.5	-1.8	-7.1	-2.7	-36.0	-0.2	3.5	420.8	104.8	-2.7	-36.0	-4265
		Viento -Y exc.-	2.5	-0.8	-7.0	-1.1	-34.5	-0.1	2.5	304.1	73.7	-1.1	-34.5	-4136
P49 [0.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	419.9	-52.3	1.0	-56.7	6.5	-0.3	419.9	257.5	10693	-56.7	6.5	1449.1
		Cargas muertas	339.3	-30.1	-0.1	-34.2	0.0	-0.1	339.3	220.2	8639.8	-34.2	0.0	869.9
		H 1	69.5	42.3	-0.1	56.7	-0.5	-0.0	69.5	93.5	1769.1	56.7	-0.5	-1445
		Sobrecarga de uso	132.7	-13.6	0.2	-15.1	1.3	-0.0	132.7	84.4	3379.4	-15.1	1.3	386.7
		Viento +X exc.+	-29.8	-6.9	0.4	-6.6	2.1	-0.0	-29.8	-28.9	-759.0	-6.6	2.1	169.4
		Viento +X exc.-	-29.0	-6.9	0.3	-6.6	1.6	-0.0	-29.0	-28.3	-737.3	-6.6	1.6	169.7
		Viento -X exc.+	29.8	6.9	-0.4	6.6	-2.1	0.0	29.8	28.9	759.0	6.6	-2.1	-169.4
		Viento -X exc.-	29.0	6.9	-0.3	6.6	-1.6	0.0	29.0	28.3	737.3	6.6	-1.6	-169.7
		Viento +Y exc.+	-13.4	1.3	10.6	1.5	51.1	0.0	-13.4	-8.6	-331.8	1.5	51.1	-0.6
		Viento +Y exc.-	-27.7	1.6	12.2	2.0	58.5	-0.0	-27.7	-18.8	-694.5	2.0	58.5	-8.0
		Viento -Y exc.+	13.4	-1.3	-10.6	-1.5	-51.1	-0.0	13.4	8.6	331.8	-1.5	-51.1	0.6
		Viento -Y exc.-	27.7	-1.6	-12.2	-2.0	-58.5	0.0	27.7	18.8	694.5	-2.0	-58.5	8.0
P50 [8.738;25.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	2705.2	2.6	113.1	2.5	106.0	0.0	2705.2	23640	69000	2.5	106.0	863.2
		Cargas muertas	1460.8	0.4	56.4	0.4	53.2	0.0	1460.8	12764	37255	0.4	53.2	454.9
		H 1	-9.9	-3.4	-2.0	-3.1	-1.9	0.0	-9.9	-90.3	-255.2	-3.1	-1.9	62.6
		Sobrecarga de uso	856.0	1.1	21.0	1.1	19.5	0.0	856.0	7480.7	21819	1.1	19.5	143.8
		Viento +X exc.+	3.3	-3.6	-0.4	-3.7	-0.7	0.0	3.3	25.1	83.1	-3.7	-0.7	87.6
		Viento +X exc.-	7.2	-3.6	-0.3	-3.7	-0.5	0.0	7.2	59.3	182.9	-3.7	-0.5	89.3
		Viento -X exc.+	-3.3	3.6	0.4	3.7	0.7	0.0	-3.3	-25.1	-83.1	3.7	0.7	-87.6
		Viento -X exc.-	-7.2	3.6	0.3	3.7	0.5	0.0	-7.2	-59.3	-182.9	3.7	0.5	-89.3
		Viento +Y exc.+	-83.4	0.9	11.6	0.8	3.8	-0.0	-83.4	-728.3	-2113	0.8	3.8	13.3
		Viento +Y exc.-	-148.9	0.7	9.4	0.6	0.5	-0.0	-148.9	-1300	-3782	0.6	0.5	-10.8
		Viento -Y exc.+	83.4	-0.9	-11.6	-0.8	-3.8	0.0	83.4	728.3	2113.4	-0.8	-3.8	-13.3
		Viento -Y exc.-	148.9	-0.7	-9.4	-0.6	-0.5	0.0	148.9	1300.3	3782.1	-0.6	-0.5	10.8
P51 [16.738;25.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	2705.3	1.9	192.2	1.7	169.0	0.0	2705.3	45282	69082	1.7	169.0	2784.8
		Cargas muertas	1456.1	6.2	74.5	5.4	65.6	0.0	1456.1	24379	37155	5.4	65.6	960.2
		H 1	2.1	0.4	0.7	0.4	0.6	0.0	2.1	35.7	54.3	0.4	0.6	-0.4
		Sobrecarga de uso	823.3	0.3	38.9	0.3	34.1	0.0	823.3	13781	21005	0.3	34.1	564.1
		Viento +X exc.+	-8.0	-4.2	-0.9	-3.9	-1.0	0.0	-8.0	-137.8	-204.3	-3.9	-1.0	82.3
		Viento +X exc.-	-4.5	-4.2	-0.7	-3.9	-0.8	0.0	-4.5	-80.2	-116.4	-3.9	-0.8	85.5
		Viento -X exc.+	8.0	4.2	0.9	3.9	1.0	0.0	8.0	137.8	204.3	3.9	1.0	-82.3
		Viento -X exc.-	4.5	4.2	0.7	3.9	0.8	0.0	4.5	80.2	116.4	3.9	0.8	-85.5
		Viento +Y exc.+	-101.1	0.7	6.9	0.5	0.6	-0.0	-101.1	-1691	-2567	0.5	0.6	-3.8
		Viento +Y exc.-	-158.5	0.3	4.1	0.2	-2.7	-0.0	-158.5	-2653	-4032	0.2	-2.7	-50.0
		Viento -Y exc.+	101.1	-0.7	-6.9	-0.5	-0.6	0.0	101.1	1691.2	2567.1	-0.5	-0.6	3.8
		Viento -Y exc.-	158.5	-0.3	-4.1	-0.2	2.7	0.0	158.5	2652.5	4031.8	-0.2	2.7	50.0
P52 [24.738;25.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	2955.6	-3.7	116.8	-3.4	109.5	0.0	2955.6	73111	75380	-3.4	109.5	2795.8
		Cargas muertas	1728.2	-0.4	38.2	-0.3	35.9	0.0	1728.2	42751	44046	-0.3	35.9	893.7
		H 1	0.2	-0.1	0.3	-0.1	0.3	0.0	0.2	5.3	5.9	-0.1	0.3	8.1
		Sobrecarga de uso	989.4	-1.4	24.1	-1.2	22.5	0.0	989.4	24474	25219	-1.2	22.5	588.5
		Viento +X exc.+	-16.0	-4.0	-0.3	-4.1	-0.6	0.0	-16.0	-400.8	-408.7	-4.1	-0.6	91.0
		Viento +X exc.-	-13.3	-4.0	-0.2	-4.1	-0.4	0.0	-13.3	-333.4	-339.3	-4.1	-0.4	94.3
		Viento -X exc.+	16.0	4.0	0.3	4.1	0.6	0.0	16.0	400.8	408.7	4.1	0.6	-91.0
		Viento -X exc.-	13.3	4.0	0.2	4.1	0.4	0.0	13.3	333.4	339.3	4.1	0.4	-94.3
		Viento +Y exc.+	-129.7	0.5	7.6	0.4	0.2	-0.0	-129.7	-3207	-3294	0.4	0.2	-4.8
		Viento +Y exc.-	-175.3	0.1	6.2	0.0	-2.1	-0.0	-175.3	-4337	-4458	0.0	-2.1	-52.5
		Viento -Y exc.+	129.7	-0.5	-7.6	-0.4	-0.2	0.0	129.7	3207.3	3294.4	-0.4	-0.2	4.8
		Viento -Y exc.-	175.3	-0.1	-6.2	-0.0	2.1	0.0	175.3	4336.8	4458.2	-0.0	2.1	52.5
P53 [32.738;25.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	1757.3	8.0	131.3	7.4	123.4	0.0	1757.3	57538	44880	7.4	123.4	3851.8
		Cargas muertas	1012.6	-6.2	56.9	-5.7	53.6	0.0	1012.6	33145	25843	-5.7	53.6	1901.2
		H 1	0.1	-0.1	0.2	-0.0	0.1	0.0	0.1	3.6	3.0	-0.0	0.1	4.2



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Sobrecarga de uso	498.6	3.1	26.7	2.9	25.0	0.0	498.6	16328	12725	2.9	25.0	743.1
		Viento +X exc.+	25.5	-4.3	-0.2	-4.3	-0.4	0.0	25.5	830.4	649.1	-4.3	-0.4	98.1
		Viento +X exc.-	26.8	-4.3	-0.2	-4.3	-0.3	0.0	26.8	872.1	681.5	-4.3	-0.3	100.4
		Viento -X exc.+	-25.5	4.3	0.2	4.3	0.4	0.0	-25.5	-830.4	-649.1	4.3	0.4	-98.1
		Viento -X exc.-	-26.8	4.3	0.2	4.3	0.3	0.0	-26.8	-872.1	-681.5	4.3	0.3	-100.4
		Viento +Y exc.+	-45.1	0.9	6.8	0.8	-0.5	-0.0	-45.1	-1477	-1143	0.8	-0.5	-36.3
		Viento +Y exc.-	-66.5	0.6	6.3	0.5	-1.7	-0.0	-66.5	-2176	-1687	0.5	-1.7	-69.4
		Viento -Y exc.+	45.1	-0.9	-6.8	-0.8	0.5	0.0	45.1	1477.2	1143.0	-0.8	0.5	36.3
		Viento -Y exc.-	66.5	-0.6	-6.3	-0.5	1.7	0.0	66.5	2176.0	1686.7	-0.5	1.7	69.4
P54 [40.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	1719.7	-4.7	95.8	-4.3	87.6	0.0	1719.7	70053	43888	-4.3	87.6	3677.6
		Cargas muertas	1003.1	5.8	39.6	5.3	36.3	0.0	1003.1	40868	25582	5.3	36.3	1344.0
		H 1	0.1	-0.1	0.1	-0.0	0.1	0.0	0.1	2.7	1.8	-0.0	0.1	3.7
		Sobrecarga de uso	487.2	-2.4	19.5	-2.2	17.8	0.0	487.2	19843	12425	-2.2	17.8	782.3
		Viento +X exc.+	-28.3	-4.1	-0.0	-4.1	-0.1	0.0	-28.3	-1159	-721.9	-4.1	-0.1	99.7
		Viento +X exc.-	-28.2	-4.1	-0.0	-4.0	-0.1	0.0	-28.2	-1155	-719.3	-4.0	-0.1	100.5
		Viento -X exc.+	28.3	4.1	0.0	4.1	0.1	0.0	28.3	1158.9	721.9	4.1	0.1	-99.7
		Viento -X exc.-	28.2	4.1	0.0	4.0	0.1	0.0	28.2	1154.8	719.3	4.0	0.1	-100.5
		Viento +Y exc.+	-65.4	0.6	-0.1	0.5	-2.9	-0.0	-65.4	-2664	-1666	0.5	-2.9	-128.3
		Viento +Y exc.-	-66.6	0.3	-0.3	0.2	-3.3	-0.0	-66.6	-2713	-1696	0.2	-3.3	-140.8
		Viento -Y exc.+	65.4	-0.6	0.1	-0.5	2.9	0.0	65.4	2664.1	1665.7	-0.5	2.9	128.3
		Viento -Y exc.-	66.6	-0.3	0.3	-0.2	3.3	0.0	66.6	2713.2	1696.5	-0.2	3.3	140.8
P55 [48.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	3162.2	4.1	98.4	3.9	90.0	0.0	3162.2	154121	80622	3.9	90.0	4290.2
		Cargas muertas	1764.6	1.6	30.9	1.5	28.3	0.0	1764.6	86005	44967	1.5	28.3	1341.0
		H 1	0.3	-0.1	0.2	-0.0	0.2	0.0	0.3	12.9	7.0	-0.0	0.2	8.1
		Sobrecarga de uso	1014.0	1.0	22.6	0.9	20.7	0.0	1014.0	49420	25843	0.9	20.7	984.6
		Viento +X exc.+	26.0	-4.1	0.1	-4.1	0.0	0.0	26.0	1262.1	661.7	-4.1	0.0	104.2
		Viento +X exc.-	26.8	-4.1	0.0	-4.0	0.0	0.0	26.8	1302.8	682.9	-4.0	0.0	103.1
		Viento -X exc.+	-26.0	4.1	-0.1	4.1	-0.0	0.0	-26.0	-1262	-661.7	4.1	-0.0	-104.2
		Viento -X exc.-	-26.8	4.1	-0.0	4.0	-0.0	0.0	-26.8	-1303	-682.9	4.0	-0.0	-103.1
		Viento +Y exc.+	-157.1	0.8	-1.4	0.7	-4.0	-0.0	-157.1	-7656	-4002	0.7	-4.0	-212.5
		Viento +Y exc.-	-171.2	0.5	-1.0	0.4	-3.9	-0.0	-171.2	-8343	-4361	0.4	-3.9	-199.2
		Viento -Y exc.+	157.1	-0.8	1.4	-0.7	4.0	0.0	157.1	7656.3	4002.1	-0.7	4.0	212.5
		Viento -Y exc.-	171.2	-0.5	1.0	-0.4	3.9	0.0	171.2	8343.4	4360.6	-0.4	3.9	199.2
P56 [56.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2602.6	0.4	85.8	0.4	78.5	0.0	2602.6	147664	66360	0.4	78.5	4441.5
		Cargas muertas	1375.5	0.2	26.8	0.2	24.5	0.0	1375.5	78044	35054	0.2	24.5	1385.3
		H 1	0.4	-0.1	0.3	-0.0	0.2	0.0	0.4	22.8	10.6	-0.0	0.2	13.4
		Sobrecarga de uso	817.0	0.1	19.5	0.1	17.8	0.0	817.0	46357	20825	0.1	17.8	1006.2
		Viento +X exc.+	-5.7	-4.0	0.3	-4.0	0.3	0.0	-5.7	-328.8	-145.5	-4.0	0.3	115.7
		Viento +X exc.-	-6.0	-4.0	0.3	-3.9	0.2	0.0	-6.0	-346.3	-153.4	-3.9	0.2	112.0
		Viento -X exc.+	5.7	4.0	-0.3	4.0	-0.3	0.0	5.7	328.8	145.5	4.0	-0.3	-115.7
		Viento -X exc.-	6.0	4.0	-0.3	3.9	-0.2	0.0	6.0	346.3	153.4	3.9	-0.2	-112.0
		Viento +Y exc.+	-157.8	0.5	-2.4	0.5	-4.9	-0.0	-157.8	-8952	-4020	0.5	-4.9	-289.3
		Viento +Y exc.-	-152.5	0.2	-1.4	0.2	-4.1	-0.0	-152.5	-8654	-3885	0.2	-4.1	-238.7
		Viento -Y exc.+	157.8	-0.5	2.4	-0.5	4.9	0.0	157.8	8951.9	4020.3	-0.5	4.9	289.3
		Viento -Y exc.-	152.5	-0.2	1.4	-0.2	4.1	0.0	152.5	8653.8	3885.4	-0.2	4.1	238.7
P57 [64.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2625.7	1.0	93.5	0.9	85.5	0.0	2625.7	169981	66956	0.9	85.5	5512.3
		Cargas muertas	1477.5	-7.0	39.3	-6.4	36.1	0.0	1477.5	95642	37663	-6.4	36.1	2496.0
		H 1	0.4	-0.1	0.3	-0.0	0.3	0.0	0.4	28.1	11.4	-0.0	0.3	17.0
		Sobrecarga de uso	819.5	1.7	19.1	1.6	17.4	0.0	819.5	53058	20889	1.6	17.4	1086.9
		Viento +X exc.+	0.8	-4.0	0.5	-3.9	0.5	0.0	0.8	49.0	21.4	-3.9	0.5	130.5
		Viento +X exc.-	-0.1	-3.9	0.4	-3.9	0.4	0.0	-0.1	-10.0	-2.0	-3.9	0.4	123.5
		Viento -X exc.+	-0.8	4.0	-0.5	3.9	-0.5	0.0	-0.8	-49.0	-21.4	3.9	-0.5	-130.5
		Viento -X exc.-	0.1	3.9	-0.4	3.9	-0.4	0.0	0.1	10.0	2.0	3.9	-0.4	-123.5
		Viento +Y exc.+	-163.6	0.8	-3.3	0.7	-5.7	-0.0	-163.6	-10591	-4170	0.7	-5.7	-389.2
		Viento +Y exc.-	-148.4	0.5	-1.7	0.4	-4.4	-0.0	-148.4	-9606	-3780	0.4	-4.4	-292.6
		Viento -Y exc.+	163.6	-0.8	3.3	-0.7	5.7	0.0	163.6	10591	4169.7	-0.7	5.7	389.2
		Viento -Y exc.-	148.4	-0.5	1.7	-0.4	4.4	0.0	148.4	9606.1	3780.5	-0.4	4.4	292.6
P58 [72.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2601.7	-7.5	91.4	-6.9	83.6	0.0	2601.7	189237	66344	-6.9	83.6	6255.7
		Cargas muertas	1470.4	4.2	39.5	3.9	36.2	0.0	1470.4	106959	37484	3.9	36.2	2535.9
		H 1	0.4	-0.1	0.3	-0.0	0.3	0.0	0.4	31.3	11.3	-0.0	0.3	19.7
		Sobrecarga de uso	801.9	-2.9	17.3	-2.6	15.8	0.0	801.9	58322	20436	-2.6	15.8	1213.2
		Viento +X exc.+	2.8	-4.0	0.7	-3.9	0.6	0.0	2.8	200.7	72.3	-3.9	0.6	144.6
		Viento +X exc.-	1.2	-3.9	0.5	-3.9	0.5	0.0	1.2	86.5	32.2	-3.9	0.5	133.6
		Viento -X exc.+	-2.8	4.0	-0.7	3.9	-0.6	0.0	-2.8	-200.7	-72.3	3.9	-0.6	-144.6
		Viento -X exc.-	-1.2	3.9	-0.5	3.9	-0.5	0.0	-1.2	-86.5	-32.2	3.9	-0.5	-133.6
		Viento +Y exc.+	-174.8	0.5	-4.5	0.4	-6.8	-0.0	-174.8	-12713	-4456	0.4	-6.8	-506.2
		Viento +Y exc.-	-148.6	0.2	-2.3	0.1	-4.8	-0.0	-148.6	-10811	-3787	0.1	-4.8	-353.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P59 [80.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Viento -Y exc.+	174.8	-0.5	4.5	-0.4	6.8	0.0	174.8	12713	4455.6	-0.4	6.8	506.2
		Viento -Y exc.-	148.6	-0.2	2.3	-0.1	4.8	0.0	148.6	10811	3787.2	-0.1	4.8	353.0
		Peso propio	2587.2	1.7	87.3	1.6	79.9	0.0	2587.2	208887	65970	1.6	79.9	6411.1
		Cargas muertas	1405.0	-0.3	27.9	-0.2	25.6	0.0	1405.0	113435	35806	-0.2	25.6	2070.6
		H l	0.4	-0.1	0.4	-0.0	0.3	0.0	0.4	35.2	11.5	-0.0	0.3	22.9
		Sobrecarga de uso	810.9	1.0	16.7	1.0	15.3	0.0	810.9	65473	20667	1.0	15.3	1207.3
		Viento +X exc.+	3.5	-4.1	0.9	-4.1	0.8	0.0	3.5	280.2	90.6	-4.1	0.8	170.7
		Viento +X exc.-	1.4	-4.1	0.7	-4.1	0.6	0.0	1.4	107.6	35.9	-4.1	0.6	154.5
		Viento -X exc.+	-3.5	4.1	-0.9	4.1	-0.8	0.0	-3.5	-280.2	-90.6	4.1	-0.8	-170.7
		Viento -X exc.-	-1.4	4.1	-0.7	4.1	-0.6	0.0	-1.4	-107.6	-35.9	4.1	-0.6	-154.5
		Viento +Y exc.+	-180.1	0.7	-6.1	0.6	-8.2	-0.0	-180.1	-14542	-4593	0.6	-8.2	-680.4
		Viento +Y exc.-	-144.2	0.4	-3.2	0.3	-5.5	-0.0	-144.2	-11643	-3676	0.3	-5.5	-454.1
		Viento -Y exc.+	180.1	-0.7	6.1	-0.6	8.2	0.0	180.1	14542	4592.9	-0.6	8.2	680.4
		Viento -Y exc.-	144.2	-0.4	3.2	-0.3	5.5	0.0	144.2	11643	3675.6	-0.3	5.5	454.1
P60 [88.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2638.1	-8.8	86.9	-8.1	79.5	0.0	2638.1	234092	67266	-8.1	79.5	7263.6
		Cargas muertas	1414.2	-1.6	27.4	-1.4	25.1	0.0	1414.2	125489	36039	-1.4	25.1	2266.1
		H l	0.5	-0.1	0.4	-0.0	0.3	0.0	0.5	40.6	12.1	-0.0	0.3	27.3
		Sobrecarga de uso	823.9	-2.9	17.6	-2.7	16.0	0.0	823.9	73105	20997	-2.7	16.0	1490.9
		Viento +X exc.+	5.6	-3.9	1.1	-3.9	1.0	0.0	5.6	491.6	143.3	-3.9	1.0	190.7
		Viento +X exc.-	2.8	-3.9	0.9	-3.8	0.8	0.0	2.8	241.5	71.3	-3.8	0.8	168.8
		Viento -X exc.+	-5.6	3.9	-1.1	3.9	-1.0	0.0	-5.6	-491.6	-143.3	3.9	-1.0	-190.7
		Viento -X exc.-	-2.8	3.9	-0.9	3.8	-0.8	0.0	-2.8	-241.5	-71.3	3.8	-0.8	-168.8
		Viento +Y exc.+	-197.2	0.7	-7.3	0.6	-9.3	-0.0	-197.2	-17497	-5029	0.6	-9.3	-839.1
		Viento +Y exc.-	-149.8	0.4	-3.7	0.3	-5.9	-0.0	-149.8	-13295	-3819	0.3	-5.9	-533.0
		Viento -Y exc.+	197.2	-0.7	7.3	-0.6	9.3	0.0	197.2	17497	5028.5	-0.6	9.3	839.1
		Viento -Y exc.-	149.8	-0.4	3.7	-0.3	5.9	0.0	149.8	13295	3819.0	-0.3	5.9	533.0
P61 [96.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2640.2	-0.1	95.2	-0.1	87.1	0.0	2640.2	255412	67329	-0.1	87.1	8430.1
		Cargas muertas	1459.4	-4.9	42.5	-4.5	39.0	0.0	1459.4	141170	37205	-4.5	39.0	3886.4
		H l	0.4	-0.0	0.4	0.0	0.3	0.0	0.4	40.6	11.1	0.0	0.3	30.9
		Sobrecarga de uso	827.5	0.7	17.2	0.7	15.7	0.0	827.5	80048	21089	0.7	15.7	1497.9
		Viento +X exc.+	9.0	-3.7	1.3	-3.7	1.3	0.0	9.0	869.3	231.1	-3.7	1.3	214.2
		Viento +X exc.-	5.5	-3.6	1.0	-3.6	1.0	0.0	5.5	532.2	142.1	-3.6	1.0	186.2
		Viento -X exc.+	-9.0	3.7	-1.3	3.7	-1.3	0.0	-9.0	-869.3	-231.1	3.7	-1.3	-214.2
		Viento -X exc.-	-5.5	3.6	-1.0	3.6	-1.0	0.0	-5.5	-532.2	-142.1	3.6	-1.0	-186.2
		Viento +Y exc.+	-209.4	0.7	-8.2	0.6	-10.0	-0.0	-209.4	-20257	-5341	0.6	-10.0	-988.0
		Viento +Y exc.-	-151.1	0.4	-4.0	0.3	-6.1	-0.0	-151.1	-14613	-3851	0.3	-6.1	-597.6
		Viento -Y exc.+	209.4	-0.7	8.2	-0.6	10.0	0.0	209.4	20257	5340.8	-0.6	10.0	988.0
		Viento -Y exc.-	151.1	-0.4	4.0	-0.3	6.1	0.0	151.1	14613	3850.7	-0.3	6.1	597.6
P62 [104.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2572.3	5.4	104.5	5.0	95.7	0.0	2572.3	269425	65608	5.0	95.7	9895.2
		Cargas muertas	1443.8	6.0	48.7	5.6	44.7	0.0	1443.8	151227	36815	5.6	44.7	4536.6
		H l	1.4	-0.3	0.3	-0.3	0.3	0.0	1.4	142.3	35.0	-0.3	0.3	33.0
		Sobrecarga de uso	805.5	0.8	19.4	0.8	17.7	0.0	805.5	84362	20530	0.8	17.7	1837.8
		Viento +X exc.+	8.5	-3.9	1.7	-3.9	1.6	0.0	8.5	886.2	218.1	-3.9	1.6	267.9
		Viento +X exc.-	4.2	-3.9	1.3	-3.9	1.3	0.0	4.2	432.0	107.3	-3.9	1.3	230.4
		Viento -X exc.+	-8.5	3.9	-1.7	3.9	-1.6	0.0	-8.5	-886.2	-218.1	3.9	-1.6	-267.9
		Viento -X exc.-	-4.2	3.9	-1.3	3.9	-1.3	0.0	-4.2	-432.0	-107.3	3.9	-1.3	-230.4
		Viento +Y exc.+	-230.9	0.5	-10.7	0.4	-12.3	-0.0	-230.9	-24181	-5890	0.4	-12.3	-1298
		Viento +Y exc.-	-158.2	0.2	-5.4	0.2	-7.3	-0.0	-158.2	-16572	-4035	0.2	-7.3	-773.2
		Viento -Y exc.+	230.9	-0.5	10.7	-0.4	12.3	0.0	230.9	24181	5889.8	-0.4	12.3	1298.3
		Viento -Y exc.-	158.2	-0.2	5.4	-0.2	7.3	0.0	158.2	16572	4034.5	-0.2	7.3	773.2
P63 [112.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2732.8	5.6	71.9	5.3	65.7	0.0	2732.8	308094	69662	5.3	65.7	7278.7
		Cargas muertas	1443.4	1.6	25.4	1.5	23.3	0.0	1443.4	162729	36782	1.5	23.3	2584.4
		H l	-7.8	1.8	-1.3	1.7	-1.2	0.0	-7.8	-876.2	-199.6	1.7	-1.2	-179.9
		Sobrecarga de uso	866.8	1.2	14.9	1.1	13.6	0.0	866.8	97721	22088	1.1	13.6	1508.2
		Viento +X exc.+	-2.8	-3.5	1.7	-3.5	1.6	0.0	-2.8	-317.7	-69.3	-3.5	1.6	270.0
		Viento +X exc.-	-7.5	-3.5	1.2	-3.5	1.2	0.0	-7.5	-850.7	-190.1	-3.5	1.2	221.3
		Viento -X exc.+	2.8	3.5	-1.7	3.5	-1.6	0.0	2.8	317.7	69.3	3.5	-1.6	-270.0
		Viento -X exc.-	7.5	3.5	-1.2	3.5	-1.2	0.0	7.5	850.7	190.1	3.5	-1.2	-221.3
		Viento +Y exc.+	-229.5	-0.1	-13.3	-0.2	-14.7	-0.0	-229.5	-25870	-5857	-0.2	-14.7	-1648
		Viento +Y exc.-	-150.2	-0.2	-6.9	-0.2	-8.6	-0.0	-150.2	-16928	-3831	-0.2	-8.6	-967.3
		Viento -Y exc.+	229.5	0.1	13.3	0.2	14.7	0.0	229.5	25870	5856.6	0.2	14.7	1648.2
		Viento -Y exc.-	150.2	0.2	6.9	0.2	8.6	0.0	150.2	16928	3830.6	0.2	8.6	967.3
P64 [120.738;25.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	366.2	49.6	-0.7	85.6	1.4	0.4	366.2	44268	9325.3	85.6	1.4	-2015
		Cargas muertas	299.0	30.6	-0.6	55.2	-1.5	0.1	299.0	36128	7612.6	55.2	-1.5	-1591
		H l	81.7	-28.4	1.1	-53.5	3.7	-0.1	81.7	9839.2	2082.3	-53.5	3.7	1809.9
		Sobrecarga de uso	114.7	13.8	-0.2	24.4	0.3	0.1	114.7	13860	2920.1	24.4	0.3	-589.2
		Viento +X exc.+	28.7	-4.6	-0.0	-6.7	-0.4	-0.0	28.7	3460.6	730.8	-6.7	-0.4	121.5



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.-	27.7	-4.7	-0.0	-6.9	-0.3	-0.0	27.7	3344.5	706.3	-6.9	-0.3	139.2
		Viento -X exc.+	-28.7	4.6	0.0	6.7	0.4	0.0	-28.7	-3461	-730.8	6.7	0.4	-121.5
		Viento -X exc.-	-27.7	4.7	0.0	6.9	0.3	0.0	-27.7	-3345	-706.3	6.9	0.3	-139.2
		Viento +Y exc.+	-45.4	-3.2	7.1	-6.3	35.8	0.2	-45.4	-5485	-1149	-6.3	35.8	4478.8
		Viento +Y exc.-	-29.2	-2.1	6.9	-4.2	34.3	0.1	-29.2	-3529	-736.9	-4.2	34.3	4244.6
		Viento -Y exc.+	45.4	3.2	-7.1	6.3	-35.8	-0.2	45.4	5484.9	1149.1	6.3	-35.8	-4479
		Viento -Y exc.-	29.2	2.1	-6.9	4.2	-34.3	-0.1	29.2	3528.7	736.9	4.2	-34.3	-4245
P47 [32.738;31.965;0.0 grados] (70x70)	-3.60/-0.45	Peso propio	2274.9	-15.7	-4.2	-14.4	-4.9	0.0	2274.9	74461	72714	-14.4	-4.9	297.6
		Cargas muertas	910.3	-7.3	-2.7	-6.7	-2.8	0.0	910.3	29795	29096	-6.7	-2.8	119.7
		H 1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	3.9	3.8	0.1	0.0	-2.0
		Sobrecarga de uso	782.1	-4.8	-0.1	-4.4	-0.4	0.0	782.1	25601	25001	-4.4	-0.4	126.8
		Viento +X exc.+	5.3	-23.9	-1.6	-22.6	-1.6	0.0	5.3	150.6	168.8	-22.6	-1.6	669.0
		Viento +X exc.-	15.0	-23.6	-1.2	-22.3	-1.2	0.0	15.0	466.9	477.8	-22.3	-1.2	674.3
		Viento -X exc.+	-5.3	23.9	1.6	22.6	1.6	0.0	-5.3	-150.6	-168.8	22.6	1.6	-669.0
		Viento -X exc.-	-15.0	23.6	1.2	22.3	1.2	0.0	-15.0	-466.9	-477.8	22.3	1.2	-674.3
		Viento +Y exc.-	-632.8	6.9	-15.2	6.2	-19.2	-0.0	-632.8	-20708	-20241	6.2	-19.2	-827.4
		Viento +Y exc.+	-793.3	3.0	-21.1	2.5	-25.3	-0.0	-793.3	-25969	-25380	2.5	-25.3	-908.1
		Viento -Y exc.+	632.8	-6.9	15.2	-6.2	19.2	0.0	632.8	20708	20241	-6.2	19.2	827.4
		Viento -Y exc.-	793.3	-3.0	21.1	-2.5	25.3	0.0	793.3	25969	25380	-2.5	25.3	908.1
P48 [40.738;31.965;0.0 grados] (70x70)	-3.60/-0.45	Peso propio	2263.8	2.0	0.9	1.9	-0.3	0.0	2263.8	92223	72362	1.9	-0.3	-72.8
		Cargas muertas	921.8	-5.4	0.5	-4.9	0.1	0.0	921.8	37546	29465	-4.9	0.1	163.7
		H 1	0.2	-0.1	0.1	-0.0	0.0	0.0	0.2	6.3	5.1	-0.0	0.0	2.0
		Sobrecarga de uso	780.7	0.6	1.8	0.6	1.4	0.0	780.7	31803	24956	0.6	1.4	36.3
		Viento +X exc.+	-38.2	-23.8	-0.8	-22.5	-0.9	0.0	-38.2	-1580	-1222	-22.5	-0.9	683.2
		Viento +X exc.-	-32.5	-23.5	-0.6	-22.2	-0.7	0.0	-32.5	-1348	-1040	-22.2	-0.7	682.7
		Viento -X exc.+	38.2	23.8	0.8	22.5	0.9	0.0	38.2	1580.2	1222.0	22.5	0.9	-683.2
		Viento -X exc.-	32.5	23.5	0.6	22.2	0.7	0.0	32.5	1347.9	1039.8	22.2	0.7	-682.7
		Viento +Y exc.+	-664.8	5.5	-19.0	5.0	-22.6	-0.0	-664.8	-27079	-21271	5.0	-22.6	-1081
		Viento +Y exc.-	-758.4	1.4	-21.8	1.1	-25.7	-0.0	-758.4	-30896	-24265	1.1	-25.7	-1082
		Viento -Y exc.+	664.8	-5.5	19.0	-5.0	22.6	0.0	664.8	27079	21271	-5.0	22.6	1081.4
		Viento -Y exc.-	758.4	-1.4	21.8	-1.1	25.7	0.0	758.4	30896	24265	-1.1	25.7	1081.9
P65 [0.738;13.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	371.2	-50.8	2.0	-54.2	9.8	-0.1	371.2	223.0	4999.5	-54.2	9.8	736.4
		Cargas muertas	159.7	-23.6	0.7	-24.9	3.2	0.0	159.7	94.3	2151.6	-24.9	3.2	338.2
		H 1	68.1	42.0	-0.0	56.6	0.0	0.0	68.1	92.2	916.8	56.6	0.0	-761.5
		Sobrecarga de uso	96.9	-12.6	0.5	-13.6	2.7	-0.0	96.9	58.9	1305.1	-13.6	2.7	185.3
		Viento +X exc.+	-25.3	-8.5	0.4	-8.0	1.9	-0.0	-25.3	-27.1	-339.7	-8.0	1.9	109.8
		Viento +X exc.-	-25.6	-8.6	0.3	-8.1	1.4	-0.0	-25.6	-27.5	-344.7	-8.1	1.4	110.5
		Viento -X exc.+	25.3	8.5	-0.4	8.0	-1.9	0.0	25.3	27.1	339.7	8.0	-1.9	-109.8
		Viento -X exc.-	25.6	8.6	-0.3	8.1	-1.4	0.0	25.6	27.5	344.7	8.1	-1.4	-110.5
		Viento +Y exc.+	-6.8	-2.0	10.6	-1.8	51.4	-0.0	-6.8	-7.0	-81.1	-1.8	51.4	62.3
		Viento +Y exc.-	-1.6	-0.7	12.1	-0.6	58.9	-0.0	-1.6	-1.9	-9.5	-0.6	58.9	51.8
		Viento -Y exc.+	6.8	2.0	-10.6	1.8	-51.4	0.0	6.8	7.0	81.1	1.8	-51.4	-62.3
		Viento -Y exc.-	1.6	0.7	-12.1	0.6	-58.9	0.0	1.6	1.9	9.5	0.6	-58.9	-51.8
P66 [8.738;13.465;0.0 grados] (60x120)	-3.60/-0.57	Peso propio	3212.2	-34.7	14.6	-31.6	10.2	0.0	3212.2	28033	43266	-31.6	10.2	514.5
		Cargas muertas	1215.6	-16.1	1.7	-14.7	0.3	0.0	1215.6	10605	16369	-14.7	0.3	200.3
		H 1	-17.1	-3.7	-2.8	-3.4	-3.0	0.0	-17.1	-153.3	-233.3	-3.4	-3.0	19.6
		Sobrecarga de uso	860.2	-8.3	10.5	-7.6	9.7	0.0	860.2	7507.9	11593	-7.6	9.7	186.9
		Viento +X exc.-	11.5	-14.2	-8.9	-13.4	-10.4	-0.0	11.5	86.0	145.4	-13.4	-10.4	89.6
		Viento +X exc.+	10.8	-14.3	-6.9	-13.5	-8.0	0.0	10.8	79.8	138.1	-13.5	-8.0	112.7
		Viento -X exc.+	-11.5	14.2	8.9	13.4	10.4	0.0	-11.5	-86.0	-145.4	13.4	10.4	-89.6
		Viento -X exc.-	-10.8	14.3	6.9	13.5	8.0	0.0	-10.8	-79.8	-138.1	13.5	8.0	-112.7
		Viento +Y exc.+	12.5	-3.3	11.5	-3.0	-12.6	-0.0	12.5	106.3	180.3	-3.0	-12.6	-70.2
		Viento +Y exc.-	22.9	-1.0	-17.4	-0.8	-46.8	-0.0	22.9	198.9	290.6	-0.8	-46.8	-398.5
		Viento -Y exc.+	-12.5	3.3	-11.5	3.0	12.6	0.0	-12.5	-106.3	-180.3	3.0	12.6	70.2
		Viento -Y exc.-	-22.9	1.0	17.4	0.8	46.8	0.0	-22.9	-198.9	-290.6	0.8	46.8	398.5
P67 [16.738;13.465;0.0 grados] (60x120)	-3.60/-0.57	Peso propio	2676.7	15.4	-17.9	14.0	-20.2	0.0	2676.7	44818	36024	14.0	-20.2	-527.4
		Cargas muertas	1015.5	5.5	10.5	5.1	9.7	0.0	1015.5	17002	13684	5.1	9.7	93.6
		H 1	-1.6	0.3	-2.4	0.3	-2.4	0.0	-1.6	-26.9	-24.3	0.3	-2.4	-43.8
		Sobrecarga de uso	716.0	4.1	-1.3	3.8	-1.9	0.0	716.0	11988	9639.5	3.8	-1.9	-82.5
		Viento +X exc.+	2.6	-10.9	-4.9	-10.1	-5.4	0.0	2.6	32.1	29.6	-10.1	-5.4	46.6
		Viento +X exc.-	1.9	-11.0	-3.8	-10.2	-4.1	0.0	1.9	21.6	22.4	-10.2	-4.1	69.1
		Viento -X exc.+	-2.6	10.9	4.9	10.1	5.4	0.0	-2.6	-32.1	-29.6	10.1	5.4	-46.6
		Viento -X exc.-	-1.9	11.0	3.8	10.2	4.1	0.0	-1.9	-21.6	-22.4	10.2	4.1	-69.1
		Viento +Y exc.+	11.1	-2.6	-3.1	-2.3	-15.2	-0.0	11.1	182.9	146.2	-2.3	-15.2	-222.6
		Viento +Y exc.-	20.6	-1.0	-19.3	-0.9	-33.0	-0.0	20.6	343.8	258.1	-0.9	-33.0	-541.0
		Viento -Y exc.+	-11.1	2.6	3.1	2.3	15.2	0.0	-11.1	-182.9	-146.2	2.3	15.2	222.6
		Viento -Y exc.-	-20.6	1.0	19.3	0.9	33.0	0.0	-20.6	-343.8	-258.1	0.9	33.0	541.0



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
P68 [24.738;13.465;0.0 grados] (60x120)	-3.60/-0.57	Peso propio	2892.4	11.9	-6.6	10.9	-9.0	0.0	2892.4	71564	38939	10.9	-9.0	-369.4
		Cargas muertas	854.4	10.0	8.5	9.2	7.7	0.0	854.4	21146	11513	9.2	7.7	67.4
		H 1	-2.9	-0.3	-2.3	-0.2	-2.3	0.0	-2.9	-72.1	-41.3	-0.2	-2.3	-53.3
		Sobrecarga de uso	771.3	2.6	2.0	2.4	1.3	0.0	771.3	19084	10388	2.4	1.3	-0.5
		Viento +X exc.+	3.2	-11.2	-3.8	-10.4	-4.2	0.0	3.2	67.4	39.0	-10.4	-4.2	37.0
		Viento +X exc.-	2.4	-11.3	-2.9	-10.5	-3.2	0.0	2.4	49.0	29.9	-10.5	-3.2	63.4
		Viento -X exc.+	-3.2	11.2	3.8	10.4	4.2	0.0	-3.2	-67.4	-39.0	10.4	4.2	-37.0
		Viento -X exc.-	-2.4	11.3	2.9	10.5	3.2	0.0	-2.4	-49.0	-29.9	10.5	3.2	-63.4
		Viento +Y exc.+	20.1	-2.6	-11.6	-2.4	-23.5	-0.0	20.1	494.8	259.1	-2.4	-23.5	-549.5
		Viento +Y exc.-	31.3	-0.9	-24.6	-0.8	-37.9	-0.0	31.3	774.0	397.2	-0.8	-37.9	-927.7
		Viento -Y exc.+	-20.1	2.6	11.6	2.4	23.5	0.0	-20.1	-494.8	-259.1	2.4	23.5	549.5
		Viento -Y exc.-	-31.3	0.9	24.6	0.8	37.9	0.0	-31.3	-774.0	-397.2	0.8	37.9	927.7
P69 [32.738;13.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2439.1	4.2	-18.1	4.0	-17.3	0.0	2439.1	79856	32824	4.0	-17.3	-618.7
		Cargas muertas	800.7	0.3	-5.7	0.3	-5.4	0.0	800.7	26214	10776	0.3	-5.4	-181.2
		H 1	0.3	-0.2	-0.2	-0.1	-0.2	0.0	0.3	10.1	4.1	-0.1	-0.2	-3.3
		Sobrecarga de uso	698.1	1.3	-4.3	1.2	-4.1	0.0	698.1	22855	9395.5	1.2	-4.1	-150.0
		Viento +X exc.+	3.8	-8.2	-0.6	-7.8	-0.6	0.0	3.8	115.5	50.3	-7.8	-0.6	84.7
		Viento +X exc.-	3.3	-8.3	-0.5	-7.9	-0.5	0.0	3.3	99.6	43.9	-7.9	-0.5	90.7
		Viento -X exc.+	-3.8	8.2	0.6	7.8	0.6	0.0	-3.8	-115.5	-50.3	7.8	0.6	-84.7
		Viento -X exc.-	-3.3	8.3	0.5	7.9	0.5	0.0	-3.3	-99.6	-43.9	7.9	0.5	-90.7
		Viento +Y exc.+	27.8	-2.1	-3.3	-1.9	-5.9	-0.0	27.8	906.9	370.6	-1.9	-5.9	-166.9
		Viento +Y exc.-	35.2	-0.8	-5.3	-0.7	-8.0	-0.0	35.2	1152.1	468.9	-0.7	-8.0	-254.0
		Viento -Y exc.+	-27.8	2.1	3.3	1.9	5.9	0.0	-27.8	-906.9	-370.6	1.9	5.9	166.9
		Viento -Y exc.-	-35.2	0.8	5.3	0.7	8.0	0.0	-35.2	-1152.1	-468.9	0.7	8.0	254.0
P70 [40.738;13.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	2386.1	-2.1	-17.2	-1.9	-16.4	0.0	2386.1	97203	32112	-1.9	-16.4	-643.7
		Cargas muertas	663.4	-3.3	-1.3	-3.0	-1.4	0.0	663.4	27023	8931.5	-3.0	-1.4	-15.0
		H 1	0.3	0.1	-0.1	0.1	-0.1	0.0	0.3	10.8	3.5	0.1	-0.1	-6.0
		Sobrecarga de uso	676.9	-0.6	-4.4	-0.6	-4.2	0.0	676.9	27575	9110.1	-0.6	-4.2	-163.5
		Viento +X exc.+	-4.5	-8.5	-0.2	-8.1	-0.3	0.0	-4.5	-191.3	-60.7	-8.1	-0.3	96.9
		Viento +X exc.-	-4.8	-8.6	-0.2	-8.2	-0.2	0.0	-4.8	-203.8	-64.7	-8.2	-0.2	101.0
		Viento -X exc.+	4.5	8.5	0.2	8.1	0.3	0.0	4.5	191.3	60.7	8.1	0.3	-96.9
		Viento -X exc.-	4.8	8.6	0.2	8.2	0.2	0.0	4.8	203.8	64.7	8.2	0.2	-101.0
		Viento +Y exc.+	30.6	-2.1	-5.1	-1.9	-7.5	-0.0	30.6	1246.0	407.5	-1.9	-7.5	-277.9
		Viento +Y exc.-	35.4	-0.8	-5.9	-0.7	-8.5	-0.0	35.4	1442.2	471.0	-0.7	-8.5	-339.1
		Viento -Y exc.+	-30.6	2.1	5.1	1.9	7.5	0.0	-30.6	-1246.0	-407.5	1.9	7.5	277.9
		Viento -Y exc.-	-35.4	0.8	5.9	0.7	8.5	0.0	-35.4	-1442.2	-471.0	0.7	8.5	339.1
P71 [48.738;13.465;0.0 grados] (60x110)	-3.60/-0.57	Peso propio	2990.4	9.4	11.0	8.8	7.3	0.0	2990.4	145757	40277	8.8	7.3	239.2
		Cargas muertas	1232.5	6.9	31.7	6.5	31.1	0.0	1232.5	60074	16626	6.5	31.1	1427.8
		H 1	-2.5	0.1	-2.2	0.1	-2.4	0.0	-2.5	-121.1	-35.6	0.1	-2.4	-118.6
		Sobrecarga de uso	819.0	-5.6	13.9	-5.1	13.1	0.0	819.0	39909	11041	-5.1	13.1	707.3
		Viento +X exc.+	2.0	-12.6	0.6	-12.1	0.2	-0.0	2.0	86.9	28.1	-12.1	0.2	174.5
		Viento +X exc.-	2.1	-12.7	0.5	-12.2	0.2	0.0	2.1	90.5	29.0	-12.2	0.2	175.4
		Viento -X exc.+	-2.0	12.6	-0.6	12.1	-0.2	0.0	-2.0	-86.9	-28.1	12.1	-0.2	-174.5
		Viento -X exc.-	-2.1	12.7	-0.5	12.2	-0.2	0.0	-2.1	-90.5	-29.0	12.2	-0.2	-175.4
		Viento +Y exc.+	33.5	-2.8	-27.1	-2.5	-46.3	-0.0	33.5	1630.6	424.2	-2.5	-46.3	-2221
		Viento +Y exc.-	32.5	-1.0	-25.7	-0.8	-46.4	-0.0	32.5	1581.9	411.6	-0.8	-46.4	-2252
		Viento -Y exc.+	-33.5	2.8	27.1	2.5	46.3	0.0	-33.5	-1631	-424.2	2.5	46.3	2220.9
		Viento -Y exc.-	-32.5	1.0	25.7	0.8	46.4	0.0	-32.5	-1582	-411.6	0.8	46.4	2251.7
P72 [56.738;13.465;0.0 grados] (80x90)	-3.60/-0.57	Peso propio	2975.4	-4.5	-5.4	-4.0	-7.8	-0.0	2975.4	168814	40058	-4.0	-7.8	-390.4
		Cargas muertas	854.9	-0.4	7.8	-0.2	6.8	0.0	854.9	48506	11519	-0.2	6.8	388.1
		H 1	-3.1	-0.0	-2.6	0.1	-2.7	0.0	-3.1	-177.1	-44.7	0.1	-2.7	-154.2
		Sobrecarga de uso	852.8	4.0	15.6	3.9	14.5	0.0	852.8	48389	11498	3.9	14.5	768.5
		Viento +X exc.+	-3.4	-44.4	2.2	-43.2	2.0	-0.0	-3.4	-236.8	-43.4	-43.2	2.0	693.7
		Viento +X exc.-	-3.3	-44.9	1.8	-43.7	1.6	-0.0	-3.3	-229.8	-42.1	-43.7	1.6	678.3
		Viento -X exc.+	3.4	44.4	-2.2	43.2	-2.0	0.0	3.4	236.8	43.4	43.2	-2.0	-693.7
		Viento -X exc.-	3.3	44.9	-1.8	43.7	-1.6	0.0	3.3	229.8	42.1	43.7	-1.6	-678.3
		Viento +Y exc.+	34.2	-10.7	-46.2	-10.1	-57.7	-0.0	34.2	1932.3	414.9	-10.1	-57.7	-3137
		Viento +Y exc.-	32.4	-3.6	-40.3	-3.1	-52.7	-0.0	32.4	1837.2	396.6	-3.1	-52.7	-2947
		Viento -Y exc.+	-34.2	10.7	46.2	10.1	57.7	0.0	-34.2	-1932	-414.9	10.1	57.7	3137.5
		Viento -Y exc.-	-32.4	3.6	40.3	3.1	52.7	0.0	-32.4	-1837	-396.6	3.1	52.7	2947.1
P73 [64.738;13.465;0.0 grados] (50x90)	-3.60/-0.57	Peso propio	2851.2	-4.9	-6.2	-4.4	-7.6	0.0	2851.2	184575	38385	-4.4	-7.6	-436.0
		Cargas muertas	849.6	-3.0	-1.3	-2.7	-1.7	0.0	849.6	54995	11438	-2.7	-1.7	-74.9
		H 1	-3.0	-0.0	-2.2	0.0	-2.3	0.0	-3.0	-197.1	-43.2	0.0	-2.3	-146.9
		Sobrecarga de uso	781.1	-1.5	6.1	-1.4	5.5	0.0	781.1	50568	10524	-1.4	5.5	375.1
		Viento +X exc.+	0.6	-10.5	3.3	-9.7	3.1	0.0	0.6	30.4	11.8	-9.7	3.1	330.3
		Viento +X exc.-	1.0	-10.6	2.6	-9.8	2.5	0.0	1.0	55.8	16.4	-9.8	2.5	292.4
		Viento -X exc.+	-0.6	10.5	-3.3	9.7	-3.1	0.0	-0.6	-30.4	-11.8	9.7	-3.1	-330.3





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.-	-1.0	10.6	-2.6	9.8	-2.5	0.0	-1.0	-55.8	-16.4	9.8	-2.5	-292.4
		Viento +Y exc.+	41.9	-2.4	-46.6	-2.1	-53.1	-0.0	41.9	2710.0	517.5	-2.1	-53.1	-3410
		Viento -Y exc.-	36.2	-0.8	-37.9	-0.7	-45.0	-0.0	36.2	2344.6	449.9	-0.7	-45.0	-2903
		Viento -Y exc.+	-41.9	2.4	46.6	2.1	53.1	0.0	-41.9	-2710	-517.5	2.1	53.1	3410.0
		Viento -Y exc.-	-36.2	0.8	37.9	0.7	45.0	0.0	-36.2	-2345	-449.9	0.7	45.0	2902.8
P74 [72.738;13.465;0.0 grados] (60x120)	-3.60/-0.57	Peso propio	2936.5	-5.2	-17.4	-4.7	-19.4	0.0	2936.5	213587	39522	-4.7	-19.4	-1350
		Cargas muertas	1025.1	-1.1	-7.0	-1.0	-7.6	0.0	1025.1	74564	13796	-1.0	-7.6	-536.0
		H 1	-3.1	0.0	-2.4	0.0	-2.6	0.0	-3.1	-223.6	-43.8	0.0	-2.6	-189.2
		Sobrecarga de uso	821.1	-2.7	12.0	-2.5	11.3	0.0	821.1	59726	11069	-2.5	11.3	858.0
		Viento +X exc.+	-2.9	-11.0	5.0	-10.3	4.9	0.0	-2.9	-222.3	-34.1	-10.3	4.9	495.3
		Viento +X exc.-	-2.3	-11.2	4.0	-10.4	3.9	0.0	-2.3	-179.3	-27.2	-10.4	3.9	423.7
		Viento -X exc.+	2.9	11.0	-5.0	10.3	-4.9	0.0	2.9	222.3	34.1	10.3	-4.9	-495.3
		Viento -X exc.-	2.3	11.2	-4.0	10.4	-3.9	0.0	2.3	179.3	27.2	10.4	-3.9	-423.7
		Viento +Y exc.+	46.7	-2.5	-54.0	-2.3	-64.5	-0.0	46.7	3392.6	574.5	-2.3	-64.5	-4659
		Viento +Y exc.-	38.0	-0.9	-39.9	-0.7	-50.8	-0.0	38.0	2760.3	471.2	-0.7	-50.8	-3685
		Viento -Y exc.+	-46.7	2.5	54.0	2.3	64.5	0.0	-46.7	-3393	-574.5	2.3	64.5	4659.4
		Viento -Y exc.-	-38.0	0.9	39.9	0.7	50.8	0.0	-38.0	-2760	-471.2	0.7	50.8	3685.2
P75 [80.738;13.465;0.0 grados] (50x90)	-3.60/-0.57	Peso propio	2808.8	-5.8	-15.7	-5.2	-16.7	0.0	2808.8	226770	37804	-5.2	-16.7	-1280
		Cargas muertas	801.3	-1.7	-1.8	-1.5	-2.2	0.0	801.3	64696	10788	-1.5	-2.2	-155.1
		H 1	-3.0	0.0	-2.2	0.0	-2.3	0.0	-3.0	-244.3	-42.9	0.0	-2.3	-182.9
		Sobrecarga de uso	805.7	-2.6	16.0	-2.4	15.1	0.0	805.7	65046	10864	-2.4	15.1	1252.2
		Viento +X exc.+	-2.8	-10.3	5.9	-9.6	5.7	0.0	-2.8	-239.6	-32.3	-9.6	5.7	592.6
		Viento +X exc.-	-2.1	-10.5	4.7	-9.7	4.5	0.0	-2.1	-179.3	-23.5	-9.7	4.5	496.2
		Viento -X exc.+	2.8	10.3	-5.9	9.6	-5.7	0.0	2.8	239.6	32.3	9.6	-5.7	-592.6
		Viento -X exc.-	2.1	10.5	-4.7	9.7	-4.5	0.0	2.1	179.3	23.5	9.7	-4.5	-496.2
		Viento +Y exc.+	47.7	-2.5	-59.3	-2.2	-65.2	-0.0	47.7	3851.9	583.4	-2.2	-65.2	-5234
		Viento +Y exc.-	36.7	-0.9	-42.2	-0.7	-48.6	-0.0	36.7	2961.6	451.9	-0.7	-48.6	-3916
		Viento -Y exc.+	-47.7	2.5	59.3	2.2	65.2	0.0	-47.7	-3852	-583.4	2.2	65.2	5234.4
		Viento -Y exc.-	-36.7	0.9	42.2	0.7	48.6	0.0	-36.7	-2962	-451.9	0.7	48.6	3915.5
P76 [88.738;13.465;0.0 grados] (50x90)	-3.60/-0.57	Peso propio	2861.2	-0.6	-13.5	-0.5	-14.6	0.0	2861.2	253895	38512	-0.5	-14.6	-1290
		Cargas muertas	863.9	0.5	1.5	0.5	1.0	0.0	863.9	76663	11634	0.5	1.0	83.5
		H 1	-3.0	-0.0	-2.1	-0.0	-2.2	0.0	-3.0	-266.1	-42.4	-0.0	-2.2	-191.1
		Sobrecarga de uso	810.7	4.1	8.6	3.8	7.9	0.0	810.7	71948	10925	3.8	7.9	653.9
		Viento +X exc.+	-5.0	-10.6	7.5	-9.9	7.3	0.0	-5.0	-453.4	-59.7	-9.9	7.3	779.5
		Viento +X exc.-	-4.1	-10.7	5.9	-10.0	5.7	0.0	-4.1	-377.8	-49.8	-10.0	5.7	644.6
		Viento -X exc.+	5.0	10.6	-7.5	9.9	-7.3	0.0	5.0	453.4	59.7	9.9	-7.3	-779.5
		Viento -X exc.-	4.1	10.7	-5.9	10.0	-5.7	0.0	4.1	377.8	49.8	10.0	-5.7	-644.6
		Viento +Y exc.+	48.1	-2.5	-67.3	-2.2	-72.8	-0.0	48.1	4265.6	580.4	-2.2	-72.8	-6426
		Viento +Y exc.-	35.5	-0.9	-45.6	-0.7	-51.6	-0.0	35.5	3149.8	432.5	-0.7	-51.6	-4572
		Viento -Y exc.+	-48.1	2.5	67.3	2.2	72.8	0.0	-48.1	-4266	-580.4	2.2	72.8	6426.0
		Viento -Y exc.-	-35.5	0.9	45.6	0.7	51.6	0.0	-35.5	-3150	-432.5	0.7	51.6	4572.4
P77 [96.738;13.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	2865.2	-6.0	-12.5	-5.4	-13.1	0.0	2865.2	277167	38567	-5.4	-13.1	-1191
		Cargas muertas	887.0	-10.3	-13.3	-9.4	-13.0	0.0	887.0	85793	11930	-9.4	-13.0	-1127
		H 1	-3.1	-0.0	-2.7	0.0	-2.7	0.0	-3.1	-300.0	-44.4	0.0	-2.7	-257.9
		Sobrecarga de uso	804.4	-4.6	15.3	-4.2	14.2	0.0	804.4	77810	10846	-4.2	14.2	1426.9
		Viento +X exc.+	-2.1	-13.2	4.3	-12.5	4.2	0.0	-2.1	-221.0	-24.6	-12.5	4.2	572.7
		Viento +X exc.-	-1.2	-13.4	3.4	-12.7	3.3	0.0	-1.2	-125.8	-12.3	-12.7	3.3	488.6
		Viento -X exc.+	2.1	13.2	-4.3	12.5	-4.2	0.0	2.1	221.0	24.6	12.5	-4.2	-572.7
		Viento -X exc.-	1.2	13.4	-3.4	12.7	-3.3	0.0	1.2	125.8	12.3	12.7	-3.3	-488.6
		Viento +Y exc.+	48.8	-3.1	-31.2	-2.9	-35.8	-0.0	48.8	4713.9	625.4	-2.9	-35.8	-3422
		Viento +Y exc.-	34.2	-1.1	-18.4	-0.9	-23.4	-0.0	34.2	3304.6	441.8	-0.9	-23.4	-2251
		Viento -Y exc.+	-48.8	3.1	31.2	2.9	35.8	0.0	-48.8	-4714	-625.4	2.9	35.8	3421.5
		Viento -Y exc.-	-34.2	1.1	18.4	0.9	23.4	0.0	-34.2	-3305	-441.8	0.9	23.4	2251.2
P78 [104.675;13.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	2692.3	-22.4	14.2	-20.6	12.3	0.0	2692.3	281793	36265	-20.6	12.3	1564.9
		Cargas muertas	1143.8	-6.3	-12.6	-5.8	-12.3	0.0	1143.8	119726	15389	-5.8	-12.3	-1209
		H 1	-2.5	-0.0	-2.5	0.0	-2.5	0.0	-2.5	-262.5	-36.3	0.0	-2.5	-265.8
		Sobrecarga de uso	797.8	-6.5	27.7	-6.0	26.0	0.0	797.8	83506	10770	-6.0	26.0	2800.0
		Viento +X exc.+	-1.9	-14.3	5.1	-13.6	4.9	0.0	-1.9	-212.4	-20.4	-13.6	4.9	699.7
		Viento +X exc.-	-0.7	-14.5	4.0	-13.7	3.9	0.0	-0.7	-92.7	-6.1	-13.7	3.9	589.8
		Viento -X exc.+	1.9	14.3	-5.1	13.6	-4.9	0.0	1.9	212.4	20.4	13.6	-4.9	-699.7
		Viento -X exc.-	0.7	14.5	-4.0	13.7	-3.9	0.0	0.7	92.7	6.1	13.7	-3.9	-589.8
		Viento +Y exc.+	51.2	-3.0	-36.4	-2.7	-40.7	-0.0	51.2	5360.2	653.4	-2.7	-40.7	-4222
		Viento +Y exc.-	34.3	-1.0	-21.2	-0.8	-25.8	-0.0	34.3	3590.9	440.9	-0.8	-25.8	-2694
		Viento -Y exc.+	-51.2	3.0	36.4	2.7	40.7	0.0	-51.2	-5360	-653.4	2.7	40.7	4221.9
		Viento -Y exc.-	-34.3	1.0	21.2	0.8	25.8	0.0	-34.3	-3591	-440.9	0.8	25.8	2693.5
P79 [110.675;13.465;0.0 grados] (80x60)	-3.60/-0.57	Peso propio	2770.6	-25.7	28.1	-24.2	25.3	0.0	2770.6	312151	37334	-24.2	25.3	3173.4
		Cargas muertas	863.7	-9.2	1.9	-8.6	1.5	0.0	863.7	97314	11632	-8.6	1.5	290.1





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		H 1	-8.7	2.4	-0.3	2.3	-0.4	0.0	-8.7	-974.5	-117.0	2.3	-0.4	-72.7
		Sobrecarga de uso	860.9	-7.1	23.8	-6.7	21.7	0.0	860.9	96993	11615	-6.7	21.7	2538.9
		Viento +X exc.+	-14.9	-16.1	5.2	-15.9	4.8	0.0	-14.9	-1692	-195.1	-15.9	4.8	759.8
		Viento +X exc.-	-14.1	-16.2	4.0	-16.1	3.8	0.0	-14.1	-1605	-185.9	-16.1	3.8	642.4
		Viento -X exc.+	14.9	16.1	-5.2	15.9	-4.8	0.0	14.9	1692.1	195.1	15.9	-4.8	-759.8
		Viento -X exc.-	14.1	16.2	-4.0	16.1	-3.8	0.0	14.1	1605.2	185.9	16.1	-3.8	-642.4
		Viento +Y exc.+	34.8	-2.9	-38.9	-2.7	-39.0	-0.0	34.8	3917.9	429.7	-2.7	-39.0	-4363
		Viento +Y exc.-	23.6	-0.9	-23.0	-0.6	-24.2	-0.0	23.6	2658.0	294.7	-0.6	-24.2	-2721
		Viento -Y exc.+	-34.8	2.9	38.9	2.7	39.0	0.0	-34.8	-3918	-429.7	2.7	39.0	4363.4
		Viento -Y exc.-	-23.6	0.9	23.0	0.6	24.2	0.0	-23.6	-2658	-294.7	0.6	24.2	2720.8
P80 [120.688;13.465;0.0 grados] (60x80)	-3.60/-0.57	Peso propio	625.3	54.4	1.5	109.3	56.5	-0.8	625.3	75523	8421.3	109.3	56.5	5347.4
		Cargas muertas	281.4	25.1	0.4	50.5	25.9	-0.3	281.4	33986	3789.3	50.5	25.9	2443.8
		H 1	54.0	-19.3	-5.0	-41.3	-18.3	1.4	54.0	6494.2	721.6	-41.3	-18.3	-1647
		Sobrecarga de uso	176.6	15.4	0.4	31.4	17.0	-0.2	176.6	21327	2378.1	31.4	17.0	1623.1
		Viento +X exc.+	41.8	-7.3	1.3	-12.8	2.5	-0.2	41.8	5036.7	564.1	-12.8	2.5	479.1
		Viento +X exc.-	40.9	-7.3	1.3	-12.9	2.3	-0.1	40.9	4930.5	552.2	-12.9	2.3	455.6
		Viento -X exc.+	-41.8	7.3	-1.3	12.8	-2.5	0.2	-41.8	-5037	-564.1	12.8	-2.5	-479.1
		Viento -X exc.-	-40.9	7.3	-1.3	12.9	-2.3	0.1	-40.9	-4930	-552.2	12.9	-2.3	-455.6
		Viento +Y exc.+	-152.8	1.1	3.7	8.7	19.1	0.6	-152.8	-18437	-2053	8.7	19.1	2192.5
		Viento +Y exc.-	-141.1	1.4	4.5	8.9	22.1	0.4	-141.1	-17034	-1896	8.9	22.1	2543.7
		Viento -Y exc.+	152.8	-1.1	-3.7	-8.7	-19.1	-0.6	152.8	18437	2053.3	-8.7	-19.1	-2193
		Viento -Y exc.-	141.1	-1.4	-4.5	-8.9	-22.1	-0.4	141.1	17034	1896.1	-8.9	-22.1	-2544
P83 [0.738;0.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	262.7	0.1	3.6	-1.1	11.2	0.0	262.7	193.9	125.7	-1.1	11.2	8.8
		Cargas muertas	142.0	0.1	1.7	0.1	5.2	0.0	142.0	104.9	67.7	0.1	5.2	3.8
		H 1	-22.3	3.7	2.6	6.8	5.0	-0.2	-22.3	-12.8	-7.8	6.8	5.0	0.3
		Sobrecarga de uso	67.7	0.2	1.0	0.2	3.1	0.0	67.7	50.2	32.5	0.2	3.1	2.2
		Viento +X exc.+	-16.6	-0.1	0.3	0.0	0.7	0.1	-16.6	-12.3	-7.4	0.0	0.7	0.5
		Viento +X exc.-	-15.6	-0.1	0.2	0.1	0.4	0.1	-15.6	-11.6	-7.0	0.1	0.4	0.3
		Viento -X exc.+	16.6	0.1	-0.3	-0.0	-0.7	-0.1	16.6	12.3	7.4	-0.0	-0.7	-0.5
		Viento -X exc.-	15.6	0.1	-0.2	-0.1	-0.4	-0.1	15.6	11.6	7.0	-0.1	-0.4	-0.3
		Viento +Y exc.+	-130.8	-0.9	10.6	-11.9	32.4	-0.1	-130.8	-97.4	-50.2	-11.9	32.4	29.3
		Viento +Y exc.-	-146.1	-1.0	11.8	-13.5	36.5	-0.1	-146.1	-108.8	-56.1	-13.5	36.5	33.1
		Viento -Y exc.+	130.8	0.9	-10.6	11.9	-32.4	0.1	130.8	97.4	50.2	11.9	-32.4	-29.3
		Viento -Y exc.-	146.1	1.0	-11.8	13.5	-36.5	0.1	146.1	108.8	56.1	13.5	-36.5	-33.1
P84 [8.738;0.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	215.4	0.7	-73.2	0.1	-109.4	-0.3	215.4	1882.7	26.9	0.1	-109.4	-956.6
		Cargas muertas	67.9	0.3	-31.1	-0.2	-45.9	-0.1	67.9	593.3	0.5	-0.2	-45.9	-400.9
		H 1	97.3	-0.4	36.0	-1.3	62.2	0.1	97.3	850.2	81.2	-1.3	62.2	544.0
		Sobrecarga de uso	64.6	0.2	-20.4	-0.1	-30.9	-0.1	64.6	564.3	9.6	-0.1	-30.9	-269.9
		Viento +X exc.+	-3.8	0.3	-1.4	2.0	-2.1	0.0	-3.8	-33.0	-3.2	2.0	-2.1	-18.8
		Viento +X exc.-	-2.5	0.3	-1.1	2.1	-1.6	0.1	-2.5	-21.4	-2.3	2.1	-1.6	-14.9
		Viento -X exc.+	3.8	-0.3	1.4	-2.0	2.1	-0.0	3.8	33.0	3.2	-2.0	2.1	18.8
		Viento -X exc.-	2.5	-0.3	1.1	-2.1	1.6	-0.1	2.5	21.4	2.3	-2.1	1.6	14.9
		Viento +Y exc.+	21.9	-0.7	1.7	-3.2	-1.6	0.0	21.9	191.0	11.9	-3.2	-1.6	-12.1
		Viento +Y exc.-	2.7	-1.0	-2.8	-4.7	-8.1	0.0	2.7	22.9	-1.5	-4.7	-8.1	-68.5
		Viento -Y exc.+	-21.9	0.7	-1.7	3.2	1.6	-0.0	-21.9	-191.0	-11.9	3.2	1.6	12.1
		Viento -Y exc.-	-2.7	1.0	2.8	4.7	8.1	-0.0	-2.7	-22.9	1.5	4.7	8.1	68.5
P85 [16.738;0.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	178.2	-0.2	-83.5	-0.6	-123.2	-0.0	178.2	2982.8	-0.6	-0.6	-123.2	-2062
		Cargas muertas	36.3	-0.2	-42.9	-0.7	-62.0	-0.0	36.3	608.0	-26.0	-0.7	-62.0	-1038
		H 1	95.4	-0.2	35.1	-1.1	60.6	0.0	95.4	1596.6	79.4	-1.1	60.6	1014.8
		Sobrecarga de uso	53.6	-0.1	-23.4	-0.2	-34.8	-0.0	53.6	897.3	1.5	-0.2	-34.8	-582.6
		Viento +X exc.+	-4.4	0.3	-1.1	2.1	-1.6	0.1	-4.4	-72.9	-3.1	2.1	-1.6	-27.4
		Viento +X exc.-	-3.4	0.4	-0.8	2.2	-1.2	0.1	-3.4	-56.6	-2.4	2.2	-1.2	-21.3
		Viento -X exc.+	4.4	-0.3	1.1	-2.1	1.6	-0.1	4.4	72.9	3.1	-2.1	1.6	27.4
		Viento -X exc.-	3.4	-0.4	0.8	-2.2	1.2	-0.1	3.4	56.6	2.4	-2.2	1.2	21.3
		Viento +Y exc.+	13.9	-0.7	0.1	-2.9	-3.6	0.0	13.9	231.9	6.6	-2.9	-3.6	-59.6
		Viento +Y exc.-	-0.4	-0.9	-3.6	-4.4	-9.0	0.0	-0.4	-7.2	-3.7	-4.4	-9.0	-148.4
		Viento -Y exc.+	-13.9	0.7	-0.1	2.9	3.6	-0.0	-13.9	-231.9	-6.6	2.9	3.6	59.6
		Viento -Y exc.-	0.4	0.9	3.6	4.4	9.0	-0.0	0.4	7.2	3.7	4.4	9.0	148.4
P86 [24.738;0.465;0.0 grados] (60x60)	-3.60/-0.57	Peso propio	184.8	-0.5	-77.0	-0.5	-111.5	0.1	184.8	4571.1	8.8	-0.5	-111.5	-2758
		Cargas muertas	65.4	-0.2	-37.6	-0.3	-53.9	0.0	65.4	1616.5	-7.3	-0.3	-53.9	-1333
		H 1	94.2	-0.7	33.7	-2.4	57.3	0.2	94.2	2329.5	77.4	-2.4	57.3	1419.9
		Sobrecarga de uso	54.7	-0.1	-21.0	-0.1	-30.7	0.0	54.7	1352.1	4.4	-0.1	-30.7	-759.2
		Viento +X exc.+	-3.1	0.3	-0.8	2.1	-1.2	0.1	-3.1	-77.3	-2.3	2.1	-1.2	-29.7
		Viento +X exc.-	-2.4	0.3	-0.6	2.2	-0.9	0.1	-2.4	-59.1	-1.8	2.2	-0.9	-23.1
		Viento -X exc.+	3.1	-0.3	0.8	-2.1	1.2	-0.1	3.1	77.3	2.3	-2.1	1.2	29.7
		Viento -X exc.-	2.4	-0.3	0.6	-2.2	0.9	-0.1	2.4	59.1	1.8	-2.2	0.9	23.1
		Viento +Y exc.+	5.5	-0.7	-1.4	-3.0	-5.4	0.0	5.5	134.8	1.1	-3.0	-5.4	-132.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.-	-5.3	-1.0	-4.0	-4.5	-9.3	0.0	-5.3	-132.5	-6.5	-4.5	-9.3	-227.5
		Viento -Y exc.+	-5.5	0.7	1.4	3.0	5.4	-0.0	-5.5	-134.8	-1.1	3.0	5.4	132.7
		Viento -Y exc.-	5.3	1.0	4.0	4.5	9.3	-0.0	5.3	132.5	6.5	4.5	9.3	227.5
P87 [48.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	303.3	0.2	-132.1	-0.5	-165.3	-0.2	303.3	14782	8.9	-0.5	-165.3	-8055
		Cargas muertas	155.3	-0.4	-69.3	-1.6	-86.6	0.0	155.3	7570.1	2.9	-1.6	-86.6	-4219
		H 1	68.2	-0.0	44.1	0.0	65.0	-0.0	68.2	3322.5	75.8	0.0	65.0	3167.7
		Sobrecarga de uso	79.3	0.2	-38.9	0.0	-48.7	-0.1	79.3	3864.3	-2.1	0.0	-48.7	-2372
		Viento +X exc.+	2.6	0.4	0.3	2.1	0.2	0.1	2.6	124.9	1.5	2.1	0.2	8.7
		Viento +X exc.-	2.4	0.4	0.3	2.3	0.2	0.1	2.4	119.2	1.4	2.3	0.2	8.0
		Viento -X exc.+	-2.6	-0.4	-0.3	-2.1	-0.2	-0.1	-2.6	-124.9	-1.5	-2.1	-0.2	-8.7
		Viento -X exc.-	-2.4	-0.4	-0.3	-2.3	-0.2	-0.1	-2.4	-119.2	-1.4	-2.3	-0.2	-8.0
		Viento +Y exc.+	-3.7	-0.7	-5.5	-2.6	-12.3	0.0	-3.7	-182.6	-7.3	-2.6	-12.3	-596.8
		Viento +Y exc.-	-2.2	-1.0	-5.0	-4.1	-12.2	0.0	-2.2	-108.6	-6.1	-4.1	-12.2	-590.9
		Viento -Y exc.+	3.7	0.7	5.5	2.6	12.3	-0.0	3.7	182.6	7.3	2.6	12.3	596.8
		Viento -Y exc.-	2.2	1.0	5.0	4.1	12.2	-0.0	2.2	108.6	6.1	4.1	12.2	590.9
P88 [56.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	273.8	-0.3	-111.4	-0.8	-137.6	0.0	273.8	15536	15.9	-0.8	-137.6	-7805
		Cargas muertas	102.6	-0.3	-46.7	-0.7	-57.3	0.0	102.6	5823.0	1.0	-0.7	-57.3	-3252
		H 1	69.8	-0.1	44.0	-0.7	63.7	0.0	69.8	3961.7	76.5	-0.7	63.7	3615.0
		Sobrecarga de uso	71.6	-0.2	-37.6	-0.3	-46.1	0.0	71.6	4060.2	-4.3	-0.3	-46.1	-2618
		Viento +X exc.+	1.5	0.3	0.8	1.9	0.8	0.1	1.5	86.7	1.5	1.9	0.8	42.4
		Viento +X exc.-	1.1	0.3	0.6	2.0	0.6	0.1	1.1	63.5	1.1	2.0	0.6	35.7
		Viento -X exc.+	-1.5	-0.3	-0.8	-1.9	-0.8	-0.1	-1.5	-86.7	-1.5	-1.9	-0.8	-42.4
		Viento -X exc.-	-1.1	-0.3	-0.6	-2.0	-0.6	-0.1	-1.1	-63.5	-1.1	-2.0	-0.6	-35.7
		Viento +Y exc.+	-12.1	-0.7	-8.8	-2.7	-15.6	0.0	-12.1	-685.8	-14.4	-2.7	-15.6	-886.0
		Viento +Y exc.-	-6.3	-1.0	-7.0	-4.1	-14.1	0.0	-6.3	-357.7	-10.0	-4.1	-14.1	-797.4
		Viento -Y exc.+	12.1	0.7	8.8	2.7	15.6	-0.0	12.1	685.8	14.4	2.7	15.6	886.0
		Viento -Y exc.-	6.3	1.0	7.0	4.1	14.1	-0.0	6.3	357.7	10.0	4.1	14.1	797.4
P89 [64.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	274.7	-0.7	-110.8	-2.8	-140.1	0.1	274.7	17782	16.9	-2.8	-140.1	-9066
		Cargas muertas	92.7	-0.4	-43.6	-1.5	-54.7	0.0	92.7	6002.3	-0.5	-1.5	-54.7	-3543
		H 1	66.8	0.0	43.7	0.3	64.1	-0.0	66.8	4322.1	74.7	0.3	64.1	4147.2
		Sobrecarga de uso	79.3	-0.2	-32.9	-0.9	-41.8	0.0	79.3	5133.1	4.0	-0.9	-41.8	-2707
		Viento +X exc.+	2.7	0.3	1.1	2.0	1.1	0.1	2.7	172.8	2.3	2.0	1.1	72.4
		Viento +X exc.-	2.0	0.4	0.8	2.1	0.9	0.1	2.0	132.5	1.8	2.1	0.9	57.2
		Viento -X exc.+	-2.7	-0.3	-1.1	-2.0	-1.1	-0.1	-2.7	-172.8	-2.3	-2.0	-1.1	-72.4
		Viento -X exc.-	-2.0	-0.4	-0.8	-2.1	-0.9	-0.1	-2.0	-132.5	-1.8	-2.1	-0.9	-57.2
		Viento +Y exc.+	-18.0	-0.7	-10.9	-2.8	-18.3	0.0	-18.0	-1167	-19.3	-2.8	-18.3	-1183
		Viento +Y exc.-	-9.1	-1.0	-7.8	-4.3	-15.1	0.0	-9.1	-592.9	-12.1	-4.3	-15.1	-973.9
		Viento -Y exc.+	18.0	0.7	10.9	2.8	18.3	-0.0	18.0	1166.9	19.3	2.8	18.3	1182.7
		Viento -Y exc.-	9.1	1.0	7.8	4.3	15.1	-0.0	9.1	592.9	12.1	4.3	15.1	973.9
P90 [72.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	272.1	-0.7	-109.2	-2.6	-132.8	0.1	272.1	19790	17.3	-2.6	-132.8	-9655
		Cargas muertas	97.4	-0.3	-43.9	-1.4	-53.1	0.0	97.4	7085.8	1.4	-1.4	-53.1	-3863
		H 1	71.7	-0.1	44.0	-0.5	62.5	0.0	71.7	5214.0	77.3	-0.5	62.5	4547.4
		Sobrecarga de uso	74.6	-0.1	-35.8	-0.6	-43.4	-0.0	74.6	5422.7	-1.1	-0.6	-43.4	-3158
		Viento +X exc.+	4.0	0.3	1.5	1.9	1.6	0.1	4.0	289.0	3.3	1.9	1.6	115.4
		Viento +X exc.-	3.1	0.3	1.2	2.0	1.3	0.1	3.1	226.2	2.6	2.0	1.3	91.3
		Viento -X exc.+	-4.0	-0.3	-1.5	-1.9	-1.6	-0.1	-4.0	-289.0	-3.3	-1.9	-1.6	-115.4
		Viento -X exc.-	-3.1	-0.3	-1.2	-2.0	-1.3	-0.1	-3.1	-226.2	-2.6	-2.0	-1.3	-91.3
		Viento +Y exc.+	-25.2	-0.7	-13.1	-2.7	-20.0	0.0	-25.2	-1831	-24.8	-2.7	-20.0	-1450
		Viento +Y exc.-	-12.8	-1.0	-8.7	-4.1	-15.3	0.0	-12.8	-933.2	-14.7	-4.1	-15.3	-1114
		Viento -Y exc.+	25.2	0.7	13.1	2.7	20.0	-0.0	25.2	1830.7	24.8	2.7	20.0	1450.1
		Viento -Y exc.-	12.8	1.0	8.7	4.1	15.3	-0.0	12.8	933.2	14.7	4.1	15.3	1114.0
P91 [80.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	272.8	-0.3	-111.1	-0.2	-136.6	-0.1	272.8	22024	15.7	-0.2	-136.6	-11033
		Cargas muertas	107.8	-0.2	-45.9	-0.6	-56.3	-0.0	107.8	8704.4	4.2	-0.6	-56.3	-4546
		H 1	72.3	-0.2	44.9	-1.4	64.7	0.1	72.3	5839.5	78.5	-1.4	64.7	5227.9
		Sobrecarga de uso	70.6	-0.1	-38.9	-0.0	-47.5	-0.0	70.6	5700.4	-6.1	-0.0	-47.5	-3836
		Viento +X exc.+	4.9	0.3	1.9	2.0	2.1	0.1	4.9	395.6	4.2	2.0	2.1	165.8
		Viento +X exc.-	3.8	0.4	1.5	2.1	1.6	0.1	3.8	307.3	3.3	2.1	1.6	129.9
		Viento -X exc.+	-4.9	-0.3	-1.9	-2.0	-2.1	-0.1	-4.9	-395.6	-4.2	-2.0	-2.1	-165.8
		Viento -X exc.-	-3.8	-0.4	-1.5	-2.1	-1.6	-0.1	-3.8	-307.3	-3.3	-2.1	-1.6	-129.9
		Viento +Y exc.+	-31.3	-0.7	-15.4	-2.7	-22.5	0.0	-31.3	-2528	-30.0	-2.7	-22.5	-1817
		Viento +Y exc.-	-15.6	-1.0	-9.7	-4.1	-16.3	0.0	-15.6	-1263	-17.0	-4.1	-16.3	-1314
		Viento -Y exc.+	31.3	0.7	15.4	2.7	22.5	-0.0	31.3	2527.6	30.0	2.7	22.5	1816.9
		Viento -Y exc.-	15.6	1.0	9.7	4.1	16.3	-0.0	15.6	1262.8	17.0	4.1	16.3	1314.1
P92 [88.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	282.8	-0.7	-110.4	-2.9	-139.9	0.1	282.8	25093	21.1	-2.9	-139.9	-12412
		Cargas muertas	122.0	-0.4	-47.0	-1.6	-59.6	0.0	122.0	10822	9.6	-1.6	-59.6	-5291
		H 1	70.7	0.2	46.4	0.7	69.2	-0.1	70.7	6273.1	79.2	0.7	69.2	6141.0
		Sobrecarga de uso	77.5	-0.3	-35.6	-1.0	-45.1	0.1	77.5	6873.9	0.4	-1.0	-45.1	-3999



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +X exc.+	5.8	0.3	2.3	2.0	2.6	0.1	5.8	512.2	5.0	2.0	2.6	231.6
		Viento +X exc.-	4.5	0.4	1.8	2.1	2.0	0.1	4.5	396.6	3.9	2.1	2.0	180.0
		Viento -X exc.+	-5.8	-0.3	-2.3	-2.0	-2.6	-0.1	-5.8	-512.2	-5.0	-2.0	-2.6	-231.6
		Viento -X exc.-	-4.5	-0.4	-1.8	-2.1	-2.0	-0.1	-4.5	-396.6	-3.9	-2.1	-2.0	-180.0
		Viento +Y exc.+	-36.4	-0.8	-18.3	-3.0	-26.2	0.1	-36.4	-3231	-35.2	-3.0	-26.2	-2322
		Viento +Y exc.-	-17.7	-1.0	-11.1	-4.4	-18.0	0.0	-17.7	-1573	-19.3	-4.4	-18.0	-1597
		Viento -Y exc.+	36.4	0.8	18.3	3.0	26.2	-0.1	36.4	3231.4	35.2	3.0	26.2	2321.6
		Viento -Y exc.-	17.7	1.0	11.1	4.4	18.0	-0.0	17.7	1572.9	19.3	4.4	18.0	1596.6
P93 [96.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Peso propio	274.6	0.1	-108.8	-0.6	-132.7	-0.1	274.6	26563	18.9	-0.6	-132.7	-12839
		Cargas muertas	100.7	-0.1	-44.2	-0.8	-53.7	-0.0	100.7	9743.2	2.6	-0.8	-53.7	-5194
		H l	70.1	-1.0	44.0	-3.0	63.2	0.3	70.1	6780.2	76.5	-3.0	63.2	6118.6
		Sobrecarga de uso	78.8	0.2	-37.2	0.2	-45.3	-0.1	78.8	7625.4	-0.5	0.2	-45.3	-4382
		Viento +X exc.+	6.7	0.3	2.7	2.0	3.1	0.1	6.7	644.6	5.8	2.0	3.1	294.3
		Viento +X exc.-	5.2	0.3	2.1	2.1	2.4	0.1	5.2	501.4	4.5	2.1	2.4	230.0
		Viento -X exc.+	-6.7	-0.3	-2.7	-2.0	-3.1	-0.1	-6.7	-644.6	-5.8	-2.0	-3.1	-294.3
		Viento -X exc.-	-5.2	-0.3	-2.1	-2.1	-2.4	-0.1	-5.2	-501.4	-4.5	-2.1	-2.4	-230.0
		Viento +Y exc.+	-39.9	-0.7	-20.2	-2.8	-27.5	0.0	-39.9	-3865	-38.7	-2.8	-27.5	-2655
		Viento +Y exc.-	-18.7	-0.9	-11.7	-4.2	-18.1	0.0	-18.7	-1813	-20.5	-4.2	-18.1	-1750
		Viento -Y exc.+	39.9	0.7	20.2	2.8	27.5	-0.0	39.9	3865.3	38.7	2.8	27.5	2655.2
		Viento -Y exc.-	18.7	0.9	11.7	4.2	18.1	0.0	18.7	1813.5	20.5	4.2	18.1	1749.7
		Peso propio	267.8	-0.4	-113.0	-0.9	-135.6	-0.0	267.8	28044	11.4	-0.9	-135.6	-14200
		Cargas muertas	99.3	-0.2	-45.5	-0.8	-54.4	-0.0	99.3	10397	0.7	-0.8	-54.4	-5693
		H l	75.3	-0.4	44.2	-1.5	62.0	0.1	75.3	7888.2	79.2	-1.5	62.0	6499.3
P94 [104.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Sobrecarga de uso	73.8	-0.1	-43.4	-0.2	-51.6	-0.0	73.8	7728.5	-9.1	-0.2	-51.6	-5404
		Viento +X exc.+	8.0	0.3	3.1	1.9	3.5	0.1	8.0	842.6	6.9	1.9	3.5	361.9
		Viento +X exc.-	6.3	0.3	2.4	2.0	2.7	0.1	6.3	664.1	5.4	2.0	2.7	282.1
		Viento -X exc.+	-8.0	-0.3	-3.1	-1.9	-3.5	-0.1	-8.0	-842.6	-6.9	-1.9	-3.5	-361.9
		Viento -X exc.-	-6.3	-0.3	-2.4	-2.0	-2.7	-0.1	-6.3	-664.1	-5.4	-2.0	-2.7	-282.1
		Viento +Y exc.+	-46.1	-0.7	-22.2	-2.6	-29.3	0.0	-46.1	-4828	-43.7	-2.6	-29.3	-3068
		Viento +Y exc.-	-21.7	-1.0	-12.6	-4.1	-18.6	0.0	-21.7	-2272	-22.6	-4.1	-18.6	-1944
		Viento -Y exc.+	46.1	0.7	22.2	2.6	29.3	-0.0	46.1	4828.4	43.7	2.6	29.3	3067.5
		Viento -Y exc.-	21.7	1.0	12.6	4.1	18.6	-0.0	21.7	2272.4	22.6	4.1	18.6	1944.4
		Peso propio	290.8	-0.4	-106.0	0.3	-131.1	0.1	290.8	32782	29.2	0.3	-131.1	-14774
		Cargas muertas	99.4	-0.3	-41.0	-0.5	-50.3	0.0	99.4	11205	5.2	-0.5	-50.3	-5666
		H l	72.8	-0.3	44.7	-1.8	64.6	0.1	72.8	8207.4	78.6	-1.8	64.6	7278.2
		Sobrecarga de uso	87.8	-0.2	-40.0	0.2	-49.2	0.1	87.8	9897.8	0.8	0.2	-49.2	-5546
		Viento +X exc.+	7.1	0.3	3.5	1.9	4.0	0.1	7.1	804.7	6.8	1.9	4.0	445.1
P95 [112.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Viento +X exc.-	5.3	0.4	2.7	2.0	3.1	0.1	5.3	593.1	5.2	2.0	3.1	348.4
		Viento -X exc.+	-7.1	-0.3	-3.5	-1.9	-4.0	-0.1	-7.1	-804.7	-6.8	-1.9	-4.0	-445.1
		Viento -X exc.-	-5.3	-0.4	-2.7	-2.0	-3.1	-0.1	-5.3	-593.1	-5.2	-2.0	-3.1	-348.4
		Viento +Y exc.+	-49.3	-0.7	-23.6	-2.4	-31.1	0.0	-49.3	-5563	-46.5	-2.4	-31.1	-3506
		Viento +Y exc.-	-22.4	-1.0	-12.9	-4.0	-19.0	0.0	-22.4	-2531	-23.3	-4.0	-19.0	-2143
		Viento -Y exc.+	49.3	0.7	23.6	2.4	31.1	-0.0	49.3	5563.2	46.5	2.4	31.1	3506.0
		Viento -Y exc.-	22.4	1.0	12.9	4.0	19.0	-0.0	22.4	2530.7	23.3	4.0	19.0	2143.0
		Peso propio	226.7	0.7	1.7	4.0	3.4	-0.1	226.7	27368	107.0	4.0	3.4	404.4
		Cargas muertas	120.9	0.4	0.7	2.1	1.1	-0.1	120.9	14601	56.9	2.1	1.1	135.1
		H l	-9.7	-3.7	3.1	-8.2	9.3	0.7	-9.7	-1176	-1.4	-8.2	9.3	1131.3
		Sobrecarga de uso	59.4	0.2	0.4	1.2	0.9	-0.0	59.4	7176.8	28.1	1.2	0.9	106.1
		Viento +X exc.+	5.5	0.6	-0.1	2.6	-0.2	0.0	5.5	665.4	2.5	2.6	-0.2	-22.0
		Viento +X exc.-	5.0	0.6	-0.1	2.6	-0.2	0.0	5.0	603.9	2.3	2.6	-0.2	-23.7
		Viento -X exc.+	-5.5	-0.6	0.1	-2.6	0.2	-0.0	-5.5	-665.4	-2.5	-2.6	0.2	22.0
P96 [120.738;0.465;0.0 grados] (50x80)	-3.60/-0.57	Viento -X exc.-	-5.0	-0.6	0.1	-2.6	0.2	-0.0	-5.0	-603.9	-2.3	-2.6	0.2	23.7
		Viento +Y exc.+	-76.5	-1.1	8.7	0.6	24.1	0.2	-76.5	-9240	-26.8	0.6	24.1	2906.5
		Viento +Y exc.-	-69.6	-1.3	8.8	-0.6	24.4	0.1	-69.6	-8409	-23.6	-0.6	24.4	2948.0
		Viento -Y exc.+	76.5	1.1	-8.7	-0.6	-24.1	-0.2	76.5	9240.1	26.8	-0.6	-24.1	-2907
		Viento -Y exc.-	69.6	1.3	-8.8	0.6	-24.4	-0.1	69.6	8408.8	23.6	0.6	-24.4	-2948
		Peso propio	2140.6	13.4	-78.6	12.7	-74.6	0.0	2140.6	70091	6481.9	12.7	-74.6	-2480
		Cargas muertas	975.0	9.6	-43.4	9.1	-40.9	0.0	975.0	31930	2944.9	9.1	-40.9	-1366
		H l	-46.8	-1.0	-3.8	-0.9	-3.6	0.0	-46.8	-1532	-147.1	-0.9	-3.6	-113.5
		Sobrecarga de uso	650.5	4.1	-19.5	3.8	-18.5	0.0	650.5	21299	1974.1	3.8	-18.5	-618.6
		Viento +X exc.+	-4.7	-15.3	-1.1	-14.8	-1.2	0.0	-4.7	-168.6	-15.5	-14.8	-1.2	5.7
		Viento +X exc.-	-4.4	-15.7	-0.9	-15.2	-0.9	0.0	-4.4	-161.1	-14.5	-15.2	-0.9	15.7
		Viento -X exc.+	4.7	15.3	1.1	14.8	1.2	0.0	4.7	168.6	15.5	14.8	1.2	-5.7
		Viento -X exc.-	4.4	15.7	0.9	15.2	0.9	0.0	4.4	161.1	14.5	15.2	0.9	-15.7
		Viento +Y exc.+	-14.5	-9.0	-5.8	-8.2	-10.8	-0.0	-14.5	-484.1	-50.3	-8.2	-10.8	-327.7
P81 [32.738;3.065;0.0 grados] (70x70)	-3.60/-0.57	Viento +Y exc.-	-18.4	-3.5	-9.4	-2.9	-14.7	-0.0	-18.4	-604.5	-65.7	-2.9	-14.7	-473.0
		Viento -Y exc.+	14.5	9.0	5.8	8.2	10.8	0.0	14.5	484.1	50.3	8.2	10.8	327.7



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80															
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)						
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	
		Viento -Y exc.-	18.4	3.5	9.4	2.9	14.7	0.0	18.4	604.5	65.7	2.9	14.7	473.0	
P82 [40.738;3.065;0.0 grados] (70x70)	-3.60/-0.57	Peso propio	2157.3	-22.4	-85.1	-20.8	-80.6	0.0	2157.3	87862	6526.7	-20.8	-80.6	-3218	
		Cargas muertas	828.0	-16.6	-49.0	-15.4	-46.1	0.0	828.0	33713	2488.6	-15.4	-46.1	-1830	
		H 1	-46.7	0.6	-3.9	0.6	-3.6	0.0	-46.7	-1901	-146.9	0.6	-3.6	-150.1	
		Sobrecarga de uso	659.7	-6.2	-20.7	-5.7	-19.6	0.0	659.7	26868	2001.1	-5.7	-19.6	-782.5	
		Viento +X exc.+	1.4	-15.5	-0.1	-14.9	-0.2	0.0	1.4	42.9	4.3	-14.9	-0.2	37.0	
		Viento +X exc.-	1.6	-15.9	0.0	-15.3	-0.1	0.0	1.6	48.4	4.9	-15.3	-0.1	43.6	
		Viento -X exc.+	-1.4	15.5	0.1	14.9	0.2	0.0	-1.4	-42.9	-4.3	14.9	0.2	-37.0	
		Viento -X exc.-	-1.6	15.9	-0.0	15.3	0.1	0.0	-1.6	-48.4	-4.9	15.3	0.1	-43.6	
		Viento +Y exc.+	-17.4	-8.5	-9.0	-7.8	-13.7	-0.0	-17.4	-718.7	-62.5	-7.8	-13.7	-533.6	
		Viento +Y exc.-	-19.8	-2.9	-10.6	-2.3	-15.7	-0.0	-19.8	-809.3	-71.3	-2.3	-15.7	-632.3	
		Viento -Y exc.+	17.4	8.5	9.0	7.8	13.7	0.0	17.4	718.7	62.5	7.8	13.7	533.6	
Viento -Y exc.-	19.8	2.9	10.6	2.3	15.7	0.0	19.8	809.3	71.3	2.3	15.7	632.3			
M1 [63.979;45.065] (e=30.0 cm)	-3.60/-0.10	Peso propio	26846	-57979	930.9	175.0	994.5	-2654	26846	1659619	1210751	175.0	994.5	53084	
		Cargas muertas	18461	-36858	593.7	85.1	652.7	-1134	18461	1144284	832552	85.1	652.7	36792	
		H 1	-900.1	3100.6	-2547	-221.3	-5063	3627.8	-900.1	-54485	-43109	-221.3	-5063	-310336	
		Sobrecarga de uso	8745.5	-19971	341.6	35.3	365.3	-951.2	8745.5	539553	394452	35.3	365.3	20831	
		Viento +X exc.+	7.2	1084.0	5.3	1177.7	5.2	322.5	7.2	1543.8	329.2	1177.7	5.2	-52416	
		Viento +X exc.-	11.3	2354.3	4.1	1139.2	4.1	263.5	11.3	3076.1	512.5	1139.2	4.1	-50813	
		Viento -X exc.+	-7.2	-1084	-5.3	-1178	-5.2	-322.5	-7.2	-1544	-329.2	-1178	-5.2	52416	
		Viento -X exc.-	-11.3	-2354	-4.1	-1139	-4.1	-263.5	-11.3	-3076	-512.5	-1139	-4.1	50813	
		Viento +Y exc.+	2483.8	21570	44.8	649.4	-18.0	-1144	2483.8	180478	111974	649.4	-18.0	-31562	
		Viento +Y exc.-	2412.1	596.9	61.7	1199.3	-2.4	-333.2	2412.1	154918	108760	1199.3	-2.4	-54535	
		Viento -Y exc.+	-2484	-21570	-44.8	-649.4	18.0	1144.3	-2484	-180478	-111974	-649.4	18.0	31562	
Viento -Y exc.-	-2412	-596.9	-61.7	-1199	2.4	333.2	-2412	-154918	-108760	-1199	2.4	54535			
M2 [120.963;17.147] (e=30.0 cm)	-3.60/-0.10	Peso propio	1444.8	146.7	-2129	159.4	341.3	-44.5	1444.8	174911	22645	159.4	341.3	38504	
		Cargas muertas	632.0	54.9	-967.0	61.4	127.7	-3.1	632.0	76503	9869.9	61.4	127.7	14392	
		H 1	-51.7	-184.1	282.6	-360.6	40.2	260.9	-51.7	-6438	-603.9	-360.6	40.2	11309	
		Sobrecarga de uso	361.3	37.1	-646.1	41.0	101.7	-6.6	361.3	43743	5549.4	41.0	101.7	11589	
		Viento +X exc.+	-6.2	-2.0	61.6	-4.3	-9.6	-14.6	-6.2	-749.1	-44.3	-4.3	-9.6	-1107	
		Viento +X exc.-	-6.9	-2.1	63.9	-4.4	-6.1	-14.8	-6.9	-835.4	-54.2	-4.4	-6.1	-674.7	
		Viento -X exc.+	6.2	2.0	-61.6	4.3	9.6	14.6	6.2	749.1	44.3	4.3	9.6	1107.3	
		Viento -X exc.-	6.9	2.1	-63.9	4.4	6.1	14.8	6.9	835.4	54.2	4.4	6.1	674.7	
		Viento +Y exc.+	-117.1	-0.5	424.8	0.1	586.9	5.1	-117.1	-14160	-1582	0.1	586.9	70999	
		Viento +Y exc.-	-107.4	-0.2	395.6	0.9	539.0	6.6	-107.4	-12988	-1445	0.9	539.0	65188	
		Viento -Y exc.+	117.1	0.5	-424.8	-0.1	-586.9	-5.1	117.1	14160	1582.4	-0.1	-586.9	-70999	
Viento -Y exc.-	107.4	0.2	-395.6	-0.9	-539.0	-6.6	107.4	12988	1445.5	-0.9	-539.0	-65188			
M3 [64.681;0.265] (e=30.0 cm)	-3.60/-0.10	Peso propio	20951	-9031	-2215	-211.2	-2463	1727.5	20951	1346107	3333.3	-211.2	-2463	-157515	
		Cargas muertas	8455.3	-12729	-852.2	-168.4	-965.5	2692.4	8455.3	534165	1387.1	-168.4	-965.5	-59714	
		H 1	-769.5	1098.1	2518.8	-37.5	5175.6	-5047	-769.5	-48671	2315.0	-37.5	5175.6	329726	
		Sobrecarga de uso	5688.1	7761.0	-693.0	-68.8	-774.6	-2298	5688.1	375670	813.4	-68.8	-774.6	-52384	
		Viento +X exc.+	-4.3	2841.6	7.2	781.2	10.1	486.2	-4.3	2561.0	6.0	781.2	10.1	929.5	
		Viento +X exc.-	-1.5	2732.8	5.7	816.6	8.1	369.5	-1.5	2633.4	5.3	816.6	8.1	674.9	
		Viento -X exc.+	4.3	-2842	-7.2	-781.2	-10.1	-486.2	4.3	-2561	-6.0	-781.2	-10.1	-929.5	
		Viento -X exc.-	1.5	-2733	-5.7	-816.6	-8.1	-369.5	1.5	-2633	-5.3	-816.6	-8.1	-674.9	
		Viento +Y exc.+	-696.9	-706.4	19.1	-580.5	-83.3	-2790	-696.9	-45784	-165.5	-580.5	-83.3	-8026	
		Viento +Y exc.-	-737.8	1014.0	40.7	-1085	-55.6	-1128	-737.8	-46707	-154.7	-1085	-55.6	-4436	
		Viento -Y exc.+	696.9	706.4	-19.1	580.5	83.3	2790.3	696.9	45784	165.5	580.5	83.3	8026.4	
Viento -Y exc.-	737.8	-1014	-40.7	1085.4	55.6	1127.8	737.8	46707	154.7	1085.4	55.6	4435.8			
M5 [120.963;3.564] (e=30.0 cm)	-3.60/-0.10	Peso propio	680.7	26.7	-99.6	24.7	85.5	-0.5	680.7	82360	2326.3	24.7	85.5	10249	
		Cargas muertas	330.8	8.2	-78.8	8.2	32.3	0.6	330.8	40026	1100.4	8.2	32.3	3873.9	
		H 1	-0.2	-81.6	30.5	-191.0	93.2	-20.6	-0.2	-101.7	29.9	-191.0	93.2	11938	
		Sobrecarga de uso	174.8	10.1	-26.4	9.3	19.5	-0.9	174.8	21156	596.7	9.3	19.5	2326.6	
		Viento +X exc.+	-9.8	0.6	-38.6	0.9	1.6	0.1	-9.8	-1186	-73.5	0.9	1.6	192.2	
		Viento +X exc.-	-9.0	0.6	-36.1	0.9	3.7	0.0	-9.0	-1091	-68.3	0.9	3.7	441.8	
		Viento -X exc.+	9.8	-0.6	38.6	-0.9	-1.6	-0.1	9.8	1186.0	73.5	-0.9	-1.6	-192.2	
		Viento -X exc.-	9.0	-0.6	36.1	-0.9	-3.7	-0.0	9.0	1091.2	68.3	-0.9	-3.7	-441.8	
		Viento +Y exc.+	146.1	-1.0	416.8	-2.4	345.8	-5.7	146.1	17676	937.6	-2.4	345.8	41835	
		Viento +Y exc.-	135.8	-1.0	384.5	-2.0	318.4	-3.9	135.8	16429	868.6	-2.0	318.4	38514	
		Viento -Y exc.+	-146.1	1.0	-416.8	2.4	-345.8	5.7	-146.1	-17676	-937.6	2.4	-345.8	-41835	
Viento -Y exc.-	-135.8	1.0	-384.5	2.0	-318.4	3.9	-135.8	-16429	-868.6	2.0	-318.4	-38514			
M6 [0.638;22.715] (e=30.0 cm)	-3.60/-0.10	Peso propio	8397.0	-542.4	31292	-547.6	800.1	-1597	8397.0	4813.5	222028	-547.6	800.1	11352	
		Cargas muertas	4959.2	-240.0	27865	-250.3	121.6	-156.5	4959.2	2923.1	140512	-250.3	121.6	5605.8	
		H 1	-234.0	900.0	-1501	1795.5	-1.3	1472.4	-234.0	750.7	-6817	1795.5	-1.3	-39313	
		Sobrecarga de uso	2402.9	-151.0	13003	-153.8	193.1	-241.3	2402.9	1381.7	67585	-153.8	193.1	3375.6	
		Viento +X exc.+	-121.6	-24.3	-535.2	-31.8	179.3	142.6	-121.6	-101.8	-3296	-31.8	179.3	979.4	
Viento +X exc.-	-121.2	-24.1	-591.2	-31.6	134.0	137.7	-121.2	-101.4	-3344	-31.6	134.0	942.0			



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento -X exc.+	121.6	24.3	535.2	31.8	-179.3	-142.6	121.6	101.8	3296.5	31.8	-179.3	-979.4
		Viento -X exc.-	121.2	24.1	591.2	31.6	-134.0	-137.7	121.2	101.4	3344.0	31.6	-134.0	-942.0
		Viento +Y exc.+	-30.0	3.0	4574.5	3.9	4233.4	-186.0	-30.0	-16.1	3892.7	3.9	4233.4	2425.1
		Viento +Y exc.-	-37.5	0.9	5434.7	1.7	4895.0	-116.8	-37.5	-23.1	4582.3	1.7	4895.0	2967.3
		Viento -Y exc.+	30.0	-3.0	-4575	-3.9	-4233	186.0	30.0	16.1	-3893	-3.9	-4233	-2425
		Viento -Y exc.-	37.5	-0.9	-5435	-1.7	-4895	116.8	37.5	23.1	-4582	-1.7	-4895	-2967
M4 [126.770;30.157] (e=30.0 cm)	-3.60/-0.10	Peso propio	998.8	69.9	2308.2	65.3	291.7	-444.4	998.8	126692	32430	65.3	291.7	34571
		Cargas muertas	361.0	93.3	2436.5	86.1	74.4	-583.3	361.0	45856	13323	86.1	74.4	6252.9
		H 1	33.9	-1111	-191.6	-1480	16.7	-1351	33.9	3184.5	830.2	-1480	16.7	45399
		Sobrecarga de uso	78.7	18.2	623.5	17.0	82.3	-114.8	78.7	9996.1	2997.1	17.0	82.3	9803.5
		Viento +X exc.+	49.4	4.4	131.1	3.8	-62.9	-20.6	49.4	6263.9	1620.2	3.8	-62.9	-8104
		Viento +X exc.-	47.6	4.3	150.8	3.8	-49.6	-20.1	47.6	6041.2	1586.9	3.8	-49.6	-6417
		Viento -X exc.+	-49.4	-4.4	-131.1	-3.8	62.9	20.6	-49.4	-6264	-1620	-3.8	62.9	8103.9
		Viento -X exc.-	-47.6	-4.3	-150.8	-3.8	49.6	20.1	-47.6	-6041	-1587	-3.8	49.6	6417.0
		Viento +Y exc.+	-97.6	0.8	3366.7	0.7	1546.9	-2.2	-97.6	-12376	422.4	0.7	1546.9	196080
		Viento +Y exc.-	-73.2	1.8	3104.2	1.6	1366.2	-9.4	-73.2	-9284	895.2	1.6	1366.2	173132
		Viento -Y exc.+	97.6	-0.8	-3367	-0.7	-1547	2.2	97.6	12376	-422.4	-0.7	-1547	-196080
		Viento -Y exc.-	73.2	-1.8	-3104	-1.6	-1366	9.4	73.2	9283.7	-895.2	-1.6	-1366	-173132
M8 [120.963;33.097] (e=30.0 cm)	-3.60/-0.10	Peso propio	5861.2	135.1	1012.8	187.2	265.3	600.7	5861.2	709120	195001	187.2	265.3	26500
		Cargas muertas	3939.7	52.2	1091.2	87.5	-8.6	374.5	3939.7	476608	131484	87.5	-8.6	-3560
		H 1	-259.7	-342.0	182.0	-783.4	25.8	158.0	-259.7	-31758	-8414	-783.4	25.8	29202
		Sobrecarga de uso	1804.7	43.7	698.0	61.5	63.3	129.7	1804.7	218345	60428	61.5	63.3	5757.5
		Viento +X exc.+	51.4	-9.1	161.0	-14.0	-44.7	-16.5	51.4	6211.8	1863.1	-14.0	-44.7	-4960
		Viento +X exc.-	50.1	-9.0	200.0	-13.9	-36.1	-17.8	50.1	6057.1	1859.8	-13.9	-36.1	-3923
		Viento -X exc.+	-51.4	9.1	-161.0	14.0	44.7	16.5	-51.4	-6212	-1863	14.0	44.7	4960.1
		Viento -X exc.-	-50.1	9.0	-200.0	13.9	36.1	17.8	-50.1	-6057	-1860	13.9	36.1	3922.7
		Viento +Y exc.+	-44.3	2.4	2503.7	3.6	1646.5	-69.4	-44.3	-5351	1039.0	3.6	1646.5	198974
		Viento +Y exc.-	-20.3	1.5	1870.5	2.1	1534.9	-50.3	-20.3	-2450	1199.6	2.1	1534.9	185546
		Viento -Y exc.+	44.3	-2.4	-2504	-3.6	-1646	69.4	44.3	5350.8	-1039	-3.6	-1646	-198974
		Viento -Y exc.-	20.3	-1.5	-1870	-2.1	-1535	50.3	20.3	2450.2	-1200	-2.1	-1535	-185546
M9 [128.579;15.250] (e=30.0 cm)	-3.60/-0.10	Peso propio	93.7	0.5	0.1	-0.2	0.1	1.1	93.7	12045	1428.5	-0.2	0.1	18.5
		Cargas muertas	2.8	0.1	0.0	-0.0	0.0	0.0	2.8	358.5	42.5	-0.0	0.0	1.2
		H 1	1.2	-83.0	16.7	-75.9	21.7	-15.1	1.2	75.9	35.5	-75.9	21.7	3931.9
		Sobrecarga de uso	2.1	0.2	0.0	-0.0	0.0	0.0	2.1	271.8	32.2	-0.0	0.0	1.9
		Viento +X exc.+	0.1	-0.2	-0.0	0.0	-0.0	0.0	0.1	16.6	2.0	0.0	-0.0	-1.1
		Viento +X exc.-	0.1	-0.1	-0.0	0.0	-0.0	0.0	0.1	12.4	1.5	0.0	-0.0	-0.8
		Viento -X exc.+	-0.1	0.2	0.0	-0.0	0.0	-0.0	-0.1	-16.6	-2.0	-0.0	0.0	1.1
		Viento -X exc.-	-0.1	0.1	0.0	-0.0	0.0	-0.0	-0.1	-12.4	-1.5	-0.0	0.0	0.8
		Viento +Y exc.+	-3.9	5.2	0.2	-0.1	0.2	-0.4	-3.9	-498.9	-59.6	-0.1	0.2	30.8
		Viento +Y exc.-	-3.5	4.6	0.1	-0.0	0.2	-0.3	-3.5	-441.9	-52.8	-0.0	0.2	27.3
		Viento -Y exc.+	3.9	-5.2	-0.2	0.1	-0.2	0.4	3.9	498.9	59.6	0.1	-0.2	-30.8
		Viento -Y exc.-	3.5	-4.6	-0.1	0.0	-0.2	0.3	3.5	441.9	52.8	0.0	-0.2	-27.3
M10 [132.963;6.160] (e=30.0 cm)	-3.60/-0.10	Peso propio	490.1	12.2	-42.3	0.5	-0.4	-3.4	490.1	65172	2976.7	0.5	-0.4	-59.7
		Cargas muertas	14.2	0.5	-1.7	0.0	-0.0	-0.1	14.2	1890.9	85.8	0.0	-0.0	-2.4
		H 1	-32.3	65.5	-258.6	-9.5	10.9	50.1	-32.3	-4229	-457.6	-9.5	10.9	1562.9
		Sobrecarga de uso	11.4	0.4	-1.2	0.0	-0.0	-0.1	11.4	1514.8	68.9	0.0	-0.0	-1.9
		Viento +X exc.+	-0.0	0.0	-0.2	0.0	0.0	0.0	-0.0	-2.2	-0.3	0.0	0.0	-0.0
		Viento +X exc.-	-0.0	0.0	-0.1	0.0	0.0	0.0	-0.0	-1.6	-0.2	0.0	0.0	-0.0
		Viento -X exc.+	0.0	-0.0	0.2	0.0	0.0	-0.0	0.0	2.2	0.3	0.0	0.0	0.0
		Viento -X exc.-	0.0	-0.0	0.1	0.0	0.0	0.0	0.0	1.6	0.2	0.0	0.0	0.0
		Viento +Y exc.+	0.5	-1.3	4.8	0.0	0.0	-0.1	0.5	67.8	8.0	0.0	0.0	0.2
		Viento +Y exc.-	0.5	-1.2	4.2	0.0	0.0	-0.1	0.5	60.1	7.1	0.0	0.0	0.2
		Viento -Y exc.+	-0.5	1.3	-4.8	-0.0	-0.0	0.1	-0.5	-67.8	-8.0	-0.0	-0.0	-0.2
		Viento -Y exc.-	-0.5	1.2	-4.2	-0.0	-0.0	0.1	-0.5	-60.1	-7.1	-0.0	-0.0	-0.2
M11 [122.708;6.113] (e=30.0 cm)	-3.60/-0.10	Peso propio	232.3	19.2	6.4	98.0	9.5	0.6	232.3	28528	1426.7	98.0	9.5	565.3
		Cargas muertas	85.8	0.8	3.4	45.4	4.4	0.7	85.8	10531	528.0	45.4	4.4	265.3
		H 1	2.4	-18.0	-2.4	-41.9	-4.6	2.0	2.4	274.3	12.2	-41.9	-4.6	-300.4
		Sobrecarga de uso	45.9	4.9	1.8	35.8	2.8	0.1	45.9	5636.7	282.4	35.8	2.8	130.6
		Viento +X exc.+	-12.1	25.8	-0.2	24.0	-0.2	0.5	-12.1	-1464	-74.4	24.0	-0.2	-166.8
		Viento +X exc.-	-11.2	26.4	-0.1	24.7	-0.1	0.5	-11.2	-1344	-68.4	24.7	-0.1	-165.1
		Viento -X exc.+	12.1	-25.8	0.2	-24.0	0.2	-0.5	12.1	1463.8	74.4	-24.0	0.2	166.8
		Viento -X exc.-	11.2	-26.4	0.1	-24.7	0.1	-0.5	11.2	1344.4	68.4	-24.7	0.1	165.1
		Viento +Y exc.+	155.3	-31.4	6.7	7.7	7.0	-2.0	155.3	19022	955.9	7.7	7.0	811.0
		Viento +Y exc.-	142.3	-39.6	6.0	-3.3	6.3	-2.1	142.3	17423	876.0	-3.3	6.3	790.8
		Viento -Y exc.+	-155.3	31.4	-6.7	-7.7	-7.0	2.0	-155.3	-19022	-955.9	-7.7	-7.0	-811.0
		Viento -Y exc.-	-142.3	39.6	-6.0	3.3	-6.3	2.1	-142.3	-17423	-876.0	3.3	-6.3	-790.8
M13 [128.316;-0.263]	-3.60/-0.10	Peso propio	239.1	-66.0	252.1	-22.2	98.1	-13.7	239.1	30616	189.3	-22.2	98.1	12563



# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
(e=30.0 cm)		Cargas muertas	22.6	-29.8	117.3	-6.2	32.6	-7.7	22.6	2872.9	111.4	-6.2	32.6	4169.3
		H 1	-16.3	-14.4	44.5	-17.9	60.6	-6.5	-16.3	-2103	48.8	-17.9	60.6	7766.8
		Sobrecarga de uso	4.2	-18.6	70.2	-6.8	28.3	-3.1	4.2	523.3	69.1	-6.8	28.3	3630.1
		Viento +X exc.+	31.7	9.7	-30.7	10.4	-33.7	-1.0	31.7	4075.6	-39.0	10.4	-33.7	-4320
		Viento +X exc.-	31.3	7.7	-23.2	9.5	-30.2	-1.2	31.3	4018.7	-31.4	9.5	-30.2	-3873
		Viento -X exc.+	-31.7	-9.7	30.7	-10.4	33.7	1.0	-31.7	-4076	39.0	-10.4	33.7	4319.6
		Viento -X exc.-	-31.3	-7.7	23.2	-9.5	30.2	1.2	-31.3	-4019	31.4	-9.5	30.2	3872.9
		Viento +Y exc.+	-170.1	-242.3	871.1	-129.6	475.3	-11.3	-170.1	-22074	915.8	-129.6	475.3	6094
		Viento +Y exc.-	-164.9	-214.6	768.7	-117.5	428.3	-9.2	-164.9	-21379	812.1	-117.5	428.3	54917
		Viento -Y exc.+	170.1	242.3	-871.1	129.6	-475.3	11.3	170.1	22074	-915.8	129.6	-475.3	-60948
		Viento -Y exc.-	164.9	214.6	-768.7	117.5	-428.3	9.2	164.9	21379	-812.1	117.5	-428.3	-54917
		M13 [125.312;5.799] (e=30.0 cm)	-3.60/-0.10	Peso propio	75.2	-2.2	3.4	1.6	2.5	-1.1	75.2	9424.0	439.6	1.6
Cargas muertas	20.6			-1.7	1.6	0.6	0.6	-0.7	20.6	2580.8	121.1	0.6	0.6	69.7
H 1	2.4			-1.9	0.6	-4.3	1.6	0.2	2.4	295.7	14.4	-4.3	1.6	226.3
Sobrecarga de uso	9.7			-0.4	0.9	1.1	0.4	-0.3	9.7	1218.4	57.3	1.1	0.4	40.2
Viento +X exc.+	1.7			5.6	-2.3	10.2	-4.3	0.2	1.7	213.4	7.3	10.2	-4.3	-594.8
Viento +X exc.-	2.4			5.6	-2.3	10.2	-4.2	0.2	2.4	301.0	11.4	10.2	-4.2	-587.6
Viento -X exc.+	-1.7			-5.6	2.3	-10.2	4.3	-0.2	-1.7	-213.4	-7.3	-10.2	4.3	594.8
Viento -X exc.-	-2.4			-5.6	2.3	-10.2	4.2	-0.2	-2.4	-301.0	-11.4	-10.2	4.2	587.6
Viento +Y exc.+	69.4			-18.5	11.4	-37.7	20.1	-0.7	69.4	8680.4	414.0	-37.7	20.1	2740.3
Viento +Y exc.-	59.9			-18.6	11.0	-37.4	19.4	-0.7	59.9	7482.3	358.1	-37.4	19.4	2652.2
Viento -Y exc.+	-69.4			18.5	-11.4	37.7	-20.1	0.7	-69.4	-8680	-414.0	37.7	-20.1	-2740
Viento -Y exc.-	-59.9			18.6	-11.0	37.4	-19.4	0.7	-59.9	-7482	-358.1	37.4	-19.4	-2652
M14 [126.550;4.857] (e=30.0 cm)	-3.60/-0.10	Peso propio	73.1	-3.9	6.9	-9.0	13.5	-0.2	73.1	9251.6	362.1	-9.0	13.5	1756.6
		Cargas muertas	19.0	-0.7	1.6	-2.9	3.8	0.1	19.0	2408.2	94.0	-2.9	3.8	495.0
		H 1	0.0	-1.7	2.1	-2.5	3.4	-0.1	0.0	0.4	2.2	-2.5	3.4	438.8
		Sobrecarga de uso	8.9	-1.2	1.9	-2.6	3.6	-0.1	8.9	1129.0	45.3	-2.6	3.6	467.1
		Viento +X exc.+	3.1	3.4	-3.9	6.3	-7.6	0.2	3.1	391.7	11.0	6.3	-7.6	-986.8
		Viento +X exc.-	3.8	3.2	-3.7	6.0	-7.2	0.2	3.8	481.0	14.6	6.0	-7.2	-939.2
		Viento -X exc.+	-3.1	-3.4	3.9	-6.3	7.6	-0.2	-3.1	-391.7	-11.0	-6.3	7.6	986.8
		Viento -X exc.-	-3.8	-3.2	3.7	-6.0	7.2	-0.2	-3.8	-481.0	-14.6	-6.0	7.2	939.2
		Viento +Y exc.+	62.9	-25.6	35.6	-47.3	63.8	-1.9	62.9	7939.1	341.3	-47.3	63.8	8296.7
		Viento +Y exc.-	53.2	-23.8	32.8	-44.0	58.9	-1.8	53.2	6711.7	291.3	-44.0	58.9	7663.1
		Viento -Y exc.+	-62.9	25.6	-35.6	47.3	-63.8	1.9	-62.9	-7939	-341.3	47.3	-63.8	-8297
		Viento -Y exc.-	-53.2	23.8	-32.8	44.0	-58.9	1.8	-53.2	-6712	-291.3	44.0	-58.9	-7663
M12 [32.588;36.478] (e=30.0 cm)	-3.60/-0.10	Peso propio	2967.1	-14.1	107.6	-19.8	-153.2	6.2	2967.1	96676	108339	-19.8	-153.2	-4266
		Cargas muertas	978.1	-9.6	31.7	-11.9	-40.8	2.1	978.1	31866	35712	-11.9	-40.8	-893.7
		H 1	-3.9	0.0	1.7	0.1	3.6	-0.0	-3.9	-126.5	-139.9	0.1	3.6	114.4
		Sobrecarga de uso	894.7	-3.8	25.3	-5.6	-43.9	2.2	894.7	29154	32663	-5.6	-43.9	-1224
		Viento +X exc.+	-88.8	-9.9	143.6	-11.3	-119.4	5.2	-88.8	-2903	-3095	-11.3	-119.4	-3471
		Viento +X exc.-	-79.8	-9.7	122.6	-11.1	-97.2	4.9	-79.8	-2609	-2787	-11.1	-97.2	-2760
		Viento -X exc.+	88.8	9.9	-143.6	11.3	119.4	-5.2	88.8	2903.3	3095.2	11.3	119.4	3471.4
		Viento -X exc.-	79.8	9.7	-122.6	11.1	97.2	-4.9	79.8	2608.7	2786.6	11.1	97.2	2760.5
		Viento +Y exc.+	-513.4	2.1	1260.7	-1.6	-1041	6.7	-513.4	-16728	-17466	-1.6	-1041	-33853
		Viento +Y exc.-	-639.3	-0.7	1573.1	-5.8	-1371	10.5	-639.3	-20834	-21747	-5.8	-1371	-44466
		Viento -Y exc.+	513.4	-2.1	-1261	1.6	1040.8	-6.7	513.4	16728	17466	1.6	1040.8	33853
		Viento -Y exc.-	639.3	0.7	-1573	5.8	1371.3	-10.5	639.3	20834	21747	5.8	1371.3	44466
M15 [40.825;36.478] (e=30.0 cm)	-3.60/-0.10	Peso propio	2852.7	10.0	128.8	15.7	-181.7	-8.3	2852.7	116473	104190	15.7	-181.7	-7999
		Cargas muertas	937.2	5.0	34.5	7.5	-54.5	-3.8	937.2	38268	34223	7.5	-54.5	-2500
		H 1	-4.9	-0.1	2.5	-0.1	4.0	0.0	-4.9	-200.2	-176.3	-0.1	4.0	165.5
		Sobrecarga de uso	837.4	2.7	31.7	4.4	-50.7	-2.7	837.4	34191	30580	4.4	-50.7	-2233
		Viento +X exc.+	21.6	-9.9	-29.3	-10.9	1.9	4.4	21.6	870.5	757.3	-10.9	1.9	479.0
		Viento +X exc.-	25.8	-9.7	-39.3	-10.8	11.9	4.4	25.8	1043.9	902.2	-10.8	11.9	885.5
		Viento -X exc.+	-21.6	9.9	29.3	10.9	-1.9	-4.4	-21.6	-870.5	-757.3	10.9	-1.9	-479.0
		Viento -X exc.-	-25.8	9.7	39.3	10.8	-11.9	-4.4	-25.8	-1044	-902.2	10.8	-11.9	-885.5
		Viento +Y exc.+	-632.9	5.2	1476.4	10.1	-1293	-12.1	-632.9	-25832	-21610	10.1	-1293	-53183
		Viento +Y exc.-	-694.9	3.0	1630.2	8.3	-1449	-12.1	-694.9	-28365	-23717	8.3	-1449	-59484
		Viento -Y exc.+	632.9	-5.2	-1476	-10.1	1293.4	12.1	632.9	25832	21610	-10.1	1293.4	53183
		Viento -Y exc.-	694.9	-3.0	-1630	-8.3	1449.3	12.1	694.9	28365	23717	-8.3	1449.3	59484
M16 [123.866;28.720] (e=30.0 cm)	-3.60/-0.10	Peso propio	303.3	-194.3	-5.3	71.8	-3.9	-1.5	303.3	37374	8705.4	71.8	-3.9	-2542
		Cargas muertas	148.0	-143.3	-9.3	43.3	-7.6	-1.4	148.0	18185	4240.4	43.3	-7.6	-2184
		H 1	19.1	-6.1	100.1	-170.9	211.9	6.1	19.1	2363.7	649.5	-170.9	211.9	31158
		Sobrecarga de uso	53.6	-66.2	-1.4	23.7	-1.1	0.0	53.6	6574.8	1538.4	23.7	-1.1	-823.1
		Viento +X exc.+	4.6	45.8	-0.5	50.8	-0.5	0.1	4.6	617.6	132.1	50.8	-0.5	-1525
		Viento +X exc.-	4.2	45.2	-0.5	50.4	-0.5	0.1	4.2	570.9	121.4	50.4	-0.5	-1504
		Viento -X exc.+	-4.6	-45.8	0.5	-50.8	0.5	-0.1	-4.6	-617.6	-132.1	-50.8	0.5	1524.6
		Viento -X exc.-	-4.2	-45.2	0.5	-50.4	0.5	-0.1	-4.2	-570.9	-121.4	-50.4	0.5	1503.9





# Esfuerzos y armados de pilares, pantallas y muros

Juzgados de Móstoles

Fecha: 20/06/23

Planta: Sótano -3.80														
Soporte	Tramo (m)	Hipótesis	Esfuerzos locales en la base del soporte						Esfuerzos locales referidos al origen (X=0.00, Y=0.00, Z=-3.60)					
			N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
		Viento +Y exc.+	-35.3	-27.9	8.6	15.5	10.4	-4.3	-35.3	-4402	-1006	15.5	10.4	843.5
		Viento +Y exc.-	-29.9	-19.3	7.8	21.8	9.6	-4.7	-29.9	-3725	-851.5	21.8	9.6	553.6
		Viento -Y exc.+	35.3	27.9	-8.6	-15.5	-10.4	4.3	35.3	4402.1	1005.6	-15.5	-10.4	-843.5
		Viento -Y exc.-	29.9	19.3	-7.8	-21.8	-9.6	4.7	29.9	3725.2	851.5	-21.8	-9.6	-553.6
Sumatorio		Peso propio							245306	15114897	6568568	0.0	0.0	0.0
		Cargas muertas							115379	7094918	3331456	0.0	0.0	0.0
		H l							0.0	-2014	503.2	-1607	567.5	124346
		Sobrecarga de uso							78305	4824443	2197332	0.0	0.0	0.0
		Viento +X exc.+							0.0	32923	-0.5	1343.9	0.0	-45413
		Viento +X exc.-							0.0	32923	-0.5	1343.9	0.0	-41804
		Viento -X exc.+							0.0	-32923	0.5	-1344	0.0	45413
		Viento -X exc.-							0.0	-32923	0.5	-1344	0.0	41804
		Viento +Y exc.+							0.0	0.0	105277	0.0	4297.0	285938
		Viento +Y exc.-							0.0	-1.5	105277	0.0	4297.0	235881
		Viento -Y exc.+							0.0	-0.0	-105277	0.0	-4297	-285938
		Viento -Y exc.-							0.0	1.5	-105277	0.0	-4297	-235881



### 3. **DESPLAZAMIENTO DE PILARES**

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
P1	P. cubierta +32.30	32.03	9.39	19.67	-3.30
	P. séptima +28.70	28.43	8.83	17.05	-3.16
	P. sexta +25.10	24.83	8.12	14.40	-2.96
	P. quinta +21.50	21.23	7.18	11.84	-2.66
	P. cuarta +17.90	17.63	6.10	9.30	-2.33
	P. tercera +14.30	14.02	4.89	6.81	-2.00
	P. segunda +10.70	10.43	-3.63	4.38	-1.60
	P. primera +5.35	5.08	-1.43	1.74	-0.88
	P. Baja +0.00	-0.28	-0.01	0.08	-0.19
	Sótano -3.80	-3.60	0.00	0.00	0.00
P2	P. cubierta +32.30	32.03	9.39	19.97	-4.45
	P. séptima +28.70	28.43	8.83	17.40	-4.27
	P. sexta +25.10	24.83	8.12	14.79	-4.01
	P. quinta +21.50	21.23	7.18	12.23	-3.64
	P. cuarta +17.90	17.63	6.10	9.66	-3.24
	P. tercera +14.30	14.02	4.89	7.12	-2.73
	P. segunda +10.70	10.43	-3.63	4.66	-2.22
	P. primera +5.35	5.08	-1.43	1.85	-1.30
	P. Baja +0.00	-0.28	-0.01	0.08	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P3	P. cubierta +32.30	32.03	9.39	20.26	-4.38
	P. séptima +28.70	28.43	8.83	17.74	-4.20
	P. sexta +25.10	24.83	8.12	15.19	-3.96
	P. quinta +21.50	21.23	7.18	12.62	-3.59
	P. cuarta +17.90	17.63	6.10	10.02	-3.20
	P. tercera +14.30	14.02	4.89	7.44	-2.69
	P. segunda +10.70	10.43	-3.63	4.94	-2.19
	P. primera +5.35	5.08	-1.43	1.97	-1.29
	P. Baja +0.00	-0.28	-0.01	0.08	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P4	P. cubierta +32.30	32.03	9.39	20.55	-4.45
	P. séptima +28.70	28.43	8.83	18.09	-4.27
	P. sexta +25.10	24.83	8.12	15.58	-4.02
	P. quinta +21.50	21.23	7.18	13.01	-3.64
	P. cuarta +17.90	17.63	6.10	10.38	-3.25
	P. tercera +14.30	14.02	4.89	7.75	-2.74
	P. segunda +10.70	10.43	-3.63	5.22	-2.22
	P. primera +5.35	5.08	-1.43	2.08	-1.31
	P. Baja +0.00	-0.28	-0.01	0.08	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P5	P. cubierta +32.30	32.03	9.39	20.85	-4.44
	P. séptima +28.70	28.43	8.83	18.44	-4.26
	P. sexta +25.10	24.83	8.12	15.97	-4.01
	P. quinta +21.50	21.23	7.18	13.39	-3.64
	P. cuarta +17.90	17.63	6.10	10.74	-3.25
	P. tercera +14.30	14.02	4.89	8.06	-2.74

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1  
Juzgados de Móstoles

Fecha:20/06/23

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. segunda +10.70	10.43	-3.63	5.49	-2.23
	P. primera +5.35	5.08	-1.43	2.19	-1.31
	P. Baja +0.00	-0.28	-0.01	0.07	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P6	P. cubierta +32.30	32.03	9.39	21.14	-4.37
	P. séptima +28.70	28.43	8.83	18.78	-4.19
	P. sexta +25.10	24.83	8.12	16.36	-3.95
	P. quinta +21.50	21.23	7.18	13.78	-3.58
	P. cuarta +17.90	17.63	6.10	11.10	-3.20
	P. tercera +14.30	14.02	4.89	8.38	-2.70
	P. segunda +10.70	10.43	-3.63	5.77	-2.19
	P. primera +5.35	5.08	-1.43	2.30	-1.29
	P. Baja +0.00	-0.28	-0.01	0.07	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P7	P. cubierta +32.30	32.03	9.39	21.43	-4.63
	P. séptima +28.70	28.43	8.83	19.13	-4.45
	P. sexta +25.10	24.83	8.12	16.75	-4.19
	P. quinta +21.50	21.23	7.18	14.17	-3.79
	P. cuarta +17.90	17.63	6.10	11.47	-3.39
	P. tercera +14.30	14.02	4.89	8.69	-2.85
	P. segunda +10.70	10.43	-3.63	6.05	-2.32
	P. primera +5.35	5.08	-1.43	2.41	-1.36
	P. Baja +0.00	-0.28	-0.01	0.07	-0.23
	Sótano -3.80	-3.60	0.00	0.00	0.00
P8	P. cubierta +32.30	32.03	9.39	22.36	-4.36
	P. séptima +28.70	28.43	8.83	20.19	-4.18
	P. sexta +25.10	24.83	8.12	17.89	-3.94
	P. quinta +21.50	21.23	7.18	15.28	-3.57
	P. cuarta +17.90	17.63	6.10	12.47	-3.19
	P. tercera +14.30	14.02	4.89	9.53	-2.68
	P. segunda +10.70	10.43	-3.63	6.72	-2.18
	P. primera +5.35	5.08	-1.43	2.66	-1.28
	P. Baja +0.00	-0.28	-0.01	0.07	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P9	P. cubierta +32.30	32.03	9.39	24.13	-4.40
	P. séptima +28.70	28.43	8.83	21.91	-4.23
	P. sexta +25.10	24.83	8.12	19.53	-3.98
	P. quinta +21.50	21.23	7.18	16.75	-3.61
	P. cuarta +17.90	17.63	6.10	13.73	-3.22
	P. tercera +14.30	14.02	4.89	10.53	-2.71
	P. segunda +10.70	10.43	-3.63	7.48	-2.20
	P. primera +5.35	5.08	-1.43	2.95	-1.30
	P. Baja +0.00	-0.28	-0.01	0.07	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P10	P. cubierta +32.30	32.03	9.39	25.90	-4.44
	P. séptima +28.70	28.43	8.83	23.63	-4.26

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. sexta +25.10	24.83	8.12	21.17	-4.02
	P. quinta +21.50	21.23	7.18	18.23	-3.64
	P. cuarta +17.90	17.63	6.10	15.00	-3.25
	P. tercera +14.30	14.02	4.89	11.54	-2.73
	P. segunda +10.70	10.43	-3.63	8.23	-2.22
	P. primera +5.35	5.08	-1.43	3.24	-1.31
	P. Baja +0.00	-0.28	-0.01	0.07	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P11	P. cubierta +32.30	32.03	9.39	27.67	-4.43
	P. séptima +28.70	28.43	8.83	25.36	-4.26
	P. sexta +25.10	24.83	8.12	22.82	-4.01
	P. quinta +21.50	21.23	7.18	19.71	-3.63
	P. cuarta +17.90	17.63	6.10	16.26	-3.25
	P. tercera +14.30	14.02	4.89	12.54	-2.72
	P. segunda +10.70	10.43	-3.63	8.99	-2.22
	P. primera +5.35	5.08	-1.43	3.52	-1.31
	P. Baja +0.00	-0.28	-0.01	0.06	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P12	P. cubierta +32.30	32.03	9.39	29.44	-4.47
	P. séptima +28.70	28.43	8.83	27.08	-4.29
	P. sexta +25.10	24.83	8.12	24.46	-4.04
	P. quinta +21.50	21.23	7.18	21.19	-3.66
	P. cuarta +17.90	17.63	6.10	17.52	-3.27
	P. tercera +14.30	14.02	4.89	13.55	-2.74
	P. segunda +10.70	10.43	-3.63	9.75	-2.23
	P. primera +5.35	5.08	-1.43	3.81	-1.32
	P. Baja +0.00	-0.28	-0.01	0.06	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P13	P. cubierta +32.30	32.03	9.39	31.21	-4.48
	P. séptima +28.70	28.43	8.83	28.80	-4.30
	P. sexta +25.10	24.83	8.12	26.10	-4.06
	P. quinta +21.50	21.23	7.18	22.67	-3.67
	P. cuarta +17.90	17.63	6.10	18.78	-3.29
	P. tercera +14.30	14.02	4.89	14.55	-2.75
	P. segunda +10.70	10.43	-3.63	10.50	-2.24
	P. primera +5.35	5.08	-1.43	4.10	-1.32
	P. Baja +0.00	-0.28	-0.01	0.06	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P14	P. cubierta +32.30	32.03	9.39	32.99	-4.56
	P. séptima +28.70	28.43	8.83	30.53	-4.38
	P. sexta +25.10	24.83	8.12	27.74	-4.12
	P. quinta +21.50	21.23	7.18	24.14	-3.74
	P. cuarta +17.90	17.63	6.10	20.04	-3.34
	P. tercera +14.30	14.02	4.89	15.55	-2.80
	P. segunda +10.70	10.43	-3.63	11.26	-2.27
	P. primera +5.35	5.08	-1.43	4.38	-1.34

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. Baja +0.00	-0.28	-0.01	0.06	-0.23
	Sótano -3.80	-3.60	0.00	0.00	0.00
P15	P. cubierta +32.30	32.03	9.39	34.76	-4.65
	P. séptima +28.70	28.43	8.83	32.25	-4.46
	P. sexta +25.10	24.83	8.12	29.39	-4.21
	P. quinta +21.50	21.23	7.18	25.62	-3.81
	P. cuarta +17.90	17.63	6.10	21.31	-3.41
	P. tercera +14.30	14.02	4.89	16.56	-2.85
	P. segunda +10.70	10.43	-3.63	12.02	-2.31
	P. primera +5.35	5.08	-1.43	4.67	-1.36
	P. Baja +0.00	-0.28	-0.01	0.06	-0.23
	Sótano -3.80	-3.60	0.00	0.00	0.00
P16	P. cubierta +32.30	32.03	9.39	36.55	-3.35
	P. séptima +28.70	28.43	8.83	33.99	-3.22
	P. sexta +25.10	24.83	8.12	31.05	-3.02
	P. quinta +21.50	21.23	7.18	27.11	-2.72
	P. cuarta +17.90	17.63	6.10	22.57	-2.35
	P. tercera +14.30	14.02	4.89	17.56	-2.01
	P. segunda +10.70	10.43	-3.63	12.77	-1.60
	P. primera +5.35	5.08	-1.43	4.96	-0.86
	P. Baja +0.00	-0.28	-0.01	0.06	-0.15
	Sótano -3.80	-3.60	0.00	0.00	0.00
P17	P. cubierta +32.30	32.03	9.31	19.67	-4.86
	P. séptima +28.70	28.43	8.75	17.05	-4.64
	P. sexta +25.10	24.83	8.04	14.40	-4.34
	P. quinta +21.50	21.23	7.11	11.84	-3.91
	P. cuarta +17.90	17.63	6.03	9.30	-3.45
	P. tercera +14.30	14.02	4.82	6.81	-2.89
	P. segunda +10.70	10.43	3.54	4.38	-2.21
	P. primera +5.35	5.08	1.35	1.74	-0.98
	P. Baja +0.00	-0.28	-0.01	0.08	-0.21
	Sótano -3.80	-3.60	0.00	0.00	0.00
P18	P. cubierta +32.30	32.03	9.31	19.97	-4.76
	P. séptima +28.70	28.43	8.75	17.40	-4.54
	P. sexta +25.10	24.83	8.04	14.79	-4.25
	P. quinta +21.50	21.23	7.11	12.23	-3.83
	P. cuarta +17.90	17.63	6.03	9.66	-3.40
	P. tercera +14.30	14.02	4.82	7.12	-2.86
	P. segunda +10.70	10.43	3.54	4.66	-2.23
	P. primera +5.35	5.08	1.35	1.85	-1.10
	P. Baja +0.00	-0.28	-0.01	0.08	-0.46
	Sótano -3.80	-3.60	0.00	0.00	0.00
P18a	Casetón ascensor +35.07	34.89	34.62	27.15	-4.69
	P. cubierta +32.30	32.20	9.31	19.97	-4.65
P19	P. cubierta +32.30	32.03	9.31	20.26	-5.24
	P. séptima +28.70	28.43	8.75	17.74	-5.00

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. sexta +25.10	24.83	8.04	15.19	-4.68
	P. quinta +21.50	21.23	7.11	12.62	-4.22
	P. cuarta +17.90	17.63	6.03	10.02	-3.75
	P. tercera +14.30	14.02	4.82	7.44	-3.16
	P. segunda +10.70	10.43	3.54	4.94	-2.46
	P. primera +5.35	5.08	1.35	1.97	-1.22
	P. Baja +0.00	-0.28	-0.01	0.08	-0.51
	Sótano -3.80	-3.60	0.00	0.00	0.00
P20	P. cubierta +32.30	32.03	9.31	20.55	-4.96
	P. séptima +28.70	28.43	8.75	18.09	-4.75
	P. sexta +25.10	24.83	8.04	15.58	-4.48
	P. quinta +21.50	21.23	7.11	13.01	-4.10
	P. cuarta +17.90	17.63	6.03	10.38	-3.70
	P. tercera +14.30	14.02	4.82	7.75	-3.21
	P. segunda +10.70	10.43	3.54	5.22	-2.64
	P. primera +5.35	5.08	1.35	2.08	-1.61
	P. Baja +0.00	-0.28	-0.01	0.08	-0.42
	Sótano -3.80	-3.60	0.00	0.00	0.00
P20a	Casetón ascensor +35.07	34.89	-34.40	26.96	-4.98
	P. cubierta +32.30	32.20	9.31	20.54	-4.93
P21	Casetón ascensor +35.07	34.87	9.66	23.75	-3.14
	P. cubierta +32.30	32.03	9.31	20.85	-2.85
	P. séptima +28.70	28.43	8.75	18.44	-2.76
	P. sexta +25.10	24.83	8.04	15.97	-2.71
	P. quinta +21.50	21.23	7.11	13.39	-2.63
	P. cuarta +17.90	17.63	6.03	10.74	-2.50
	P. tercera +14.30	14.02	4.82	8.06	-2.30
	P. segunda +10.70	10.43	3.54	5.49	-2.01
	P. primera +5.35	5.08	1.35	2.19	-1.35
	P. Baja +0.00	-0.28	-0.01	0.07	-0.52
P22	Sótano -3.80	-3.60	0.00	0.00	0.00
	Casetón ascensor +35.07	34.87	9.66	23.68	-3.00
	P. cubierta +32.30	32.03	9.31	21.14	-2.71
	P. séptima +28.70	28.43	8.75	18.78	-2.64
	P. sexta +25.10	24.83	8.04	16.35	-2.61
	P. quinta +21.50	21.23	7.11	13.78	-2.55
	P. cuarta +17.90	17.63	6.03	11.10	-2.44
	P. tercera +14.30	14.02	4.82	8.37	-2.26
	P. segunda +10.70	10.43	3.54	5.77	-1.99
	P. primera +5.35	5.08	1.35	2.30	-1.36
P23	P. Baja +0.00	-0.28	-0.01	0.07	-0.53
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. cubierta +32.30	32.03	9.31	21.43	-4.83
	P. séptima +28.70	28.43	8.75	19.13	-4.60
	P. sexta +25.10	24.83	8.04	16.75	-4.31
	P. quinta +21.50	21.23	7.11	14.17	-3.88

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. cuarta +17.90	17.63	6.03	11.47	-3.44
	P. tercera +14.30	14.02	4.82	8.69	-2.90
	P. segunda +10.70	10.43	3.54	6.05	-2.26
	P. primera +5.35	5.08	1.35	2.41	-1.12
	P. Baja +0.00	-0.28	-0.01	0.07	-0.47
	Sótano -3.80	-3.60	0.00	0.00	0.00
P23a	Casetón ascensor +35.07	34.89	39.40	28.92	-4.92
	P. cubierta +32.30	32.20	9.31	21.44	-4.86
P24	P. cubierta +32.30	32.03	9.31	22.36	-4.61
	P. séptima +28.70	28.43	8.75	20.19	-4.39
	P. sexta +25.10	24.83	8.04	17.89	-4.11
	P. quinta +21.50	21.23	7.11	15.28	-3.71
	P. cuarta +17.90	17.63	6.03	12.47	-3.29
	P. tercera +14.30	14.02	4.82	9.53	-2.77
	P. segunda +10.70	10.43	3.54	6.72	-2.16
	P. primera +5.35	5.08	1.35	2.66	-1.08
	P. Baja +0.00	-0.28	-0.01	0.07	-0.45
P24a	Casetón ascensor +35.07	34.89	34.84	28.98	-4.53
	P. cubierta +32.30	32.20	9.31	22.40	-4.48
P25	P. cubierta +32.30	32.03	9.31	24.13	-5.18
	P. séptima +28.70	28.43	8.75	21.91	-4.95
	P. sexta +25.10	24.83	8.04	19.53	-4.63
	P. quinta +21.50	21.23	7.11	16.75	-4.18
	P. cuarta +17.90	17.63	6.03	13.73	-3.71
	P. tercera +14.30	14.02	4.82	10.53	-3.13
	P. segunda +10.70	10.43	3.54	7.48	-2.44
	P. primera +5.35	5.08	1.35	2.95	-1.21
	P. Baja +0.00	-0.28	-0.01	0.07	-0.51
P25a	Casetón ascensor +35.07	34.89	34.84	28.98	-4.53
	P. cubierta +32.30	32.20	9.31	22.40	-4.48
P26	P. cubierta +32.30	32.03	9.31	25.90	-4.76
	P. séptima +28.70	28.43	8.75	23.63	-4.54
	P. sexta +25.10	24.83	8.04	21.17	-4.25
	P. quinta +21.50	21.23	7.11	18.23	-3.83
	P. cuarta +17.90	17.63	6.03	15.00	-3.40
	P. tercera +14.30	14.02	4.82	11.54	-2.87
	P. segunda +10.70	10.43	3.54	8.23	-2.24
	P. primera +5.35	5.08	1.35	3.24	-1.11
	P. Baja +0.00	-0.28	-0.01	0.07	-0.46
P26a	Casetón ascensor +35.07	34.89	-34.03	33.11	-4.74
	P. cubierta +32.30	32.20	9.31	25.86	-4.69
P27	P. cubierta +32.30	32.03	9.31	27.67	-5.23
	P. séptima +28.70	28.43	8.75	25.36	-5.00
	P. sexta +25.10	24.83	8.04	22.82	-4.68
	P. quinta +21.50	21.23	7.11	19.71	-4.22



## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. cuarta +17.90	17.63	6.03	16.26	-3.75
	P. tercera +14.30	14.02	4.82	12.54	-3.16
	P. segunda +10.70	10.43	3.54	8.99	-2.47
	P. primera +5.35	5.08	1.35	3.52	-1.23
	P. Baja +0.00	-0.28	-0.01	0.06	-0.51
	Sótano -3.80	-3.60	0.00	0.00	0.00
P28	P. cubierta +32.30	32.03	9.31	29.44	-4.69
	P. séptima +28.70	28.43	8.75	27.08	-4.47
	P. sexta +25.10	24.83	8.04	24.46	-4.19
	P. quinta +21.50	21.23	7.11	21.19	-3.78
	P. cuarta +17.90	17.63	6.03	17.52	-3.35
	P. tercera +14.30	14.02	4.82	13.55	-2.83
	P. segunda +10.70	10.43	3.54	9.75	-2.21
	P. primera +5.35	5.08	1.35	3.81	-1.10
	P. Baja +0.00	-0.28	-0.01	0.06	-0.46
	Sótano -3.80	-3.60	0.00	0.00	0.00
P28a	Casetón ascensor +35.07	34.89	-33.14	36.46	-4.65
	P. cubierta +32.30	32.20	9.31	29.40	-4.60
P29	P. cubierta +32.30	32.03	9.31	31.21	-5.26
	P. séptima +28.70	28.43	8.75	28.80	-5.03
	P. sexta +25.10	24.83	8.04	26.10	-4.71
	P. quinta +21.50	21.23	7.11	22.67	-4.25
	P. cuarta +17.90	17.63	6.03	18.78	-3.77
	P. tercera +14.30	14.02	4.82	14.55	-3.18
	P. segunda +10.70	10.43	3.54	10.50	-2.49
	P. primera +5.35	5.08	1.35	4.10	-1.24
	P. Baja +0.00	-0.28	-0.01	0.06	-0.52
	Sótano -3.80	-3.60	0.00	0.00	0.00
P30	P. cubierta +32.30	32.03	9.31	32.99	-5.36
	P. séptima +28.70	28.43	8.75	30.53	-5.15
	P. sexta +25.10	24.83	8.04	27.74	-4.86
	P. quinta +21.50	21.23	7.11	24.14	-4.45
	P. cuarta +17.90	17.63	6.03	20.04	-4.01
	P. tercera +14.30	14.02	4.82	15.55	-3.46
	P. segunda +10.70	10.43	3.54	11.26	-2.82
	P. primera +5.35	5.08	1.35	4.38	-1.65
	P. Baja +0.00	-0.28	-0.01	0.06	-0.69
	Sótano -3.80	-3.60	0.00	0.00	0.00
P31	Casetón ascensor +35.07	34.87	12.91	37.89	-6.25
	P. cubierta +32.30	32.03	9.31	34.76	-5.91
	P. séptima +28.70	28.43	8.75	32.25	-5.66
	P. sexta +25.10	24.83	8.04	29.39	-5.33
	P. quinta +21.50	21.23	7.11	25.62	-4.87
	P. cuarta +17.90	17.63	6.03	21.31	-4.38
	P. tercera +14.30	14.02	4.82	16.56	-3.79
	P. segunda +10.70	10.43	3.54	12.02	-3.08

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1  
Juzgados de Móstoles

Fecha:20/06/23

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. primera +5.35	5.08	1.35	4.67	-1.81
	P. Baja +0.00	-0.28	-0.01	0.06	-0.76
	Sótano -3.80	-3.60	0.00	0.00	0.00
P32	P. cubierta +32.30	32.03	9.31	36.54	-3.98
	P. séptima +28.70	28.43	8.75	33.98	-3.84
	P. sexta +25.10	24.83	8.04	31.04	-3.58
	P. quinta +21.50	21.23	7.11	27.11	-3.22
	P. cuarta +17.90	17.63	6.03	22.57	-2.74
	P. tercera +14.30	14.02	4.82	17.56	-2.34
	P. segunda +10.70	10.43	3.54	12.77	-1.86
	P. primera +5.35	5.08	1.35	4.96	-1.01
	P. Baja +0.00	-0.28	-0.01	0.06	-0.22
	Sótano -3.80	-3.60	0.00	0.00	0.00
P33	P. cubierta +32.30	32.03	9.24	19.67	-4.01
	P. séptima +28.70	28.43	8.68	17.05	-3.84
	P. sexta +25.10	24.83	7.97	14.40	-3.59
	P. quinta +21.50	21.23	7.04	11.84	-3.24
	P. cuarta +17.90	17.63	5.95	9.30	-2.86
	P. tercera +14.30	14.02	4.75	6.81	-2.38
	P. segunda +10.70	10.43	3.50	4.38	-1.89
	P. primera +5.35	5.08	1.35	1.74	-1.01
	P. Baja +0.00	-0.34	-0.01	0.08	-0.20
	Sótano -3.80	-3.60	0.00	0.00	0.00
P34	Placa solares +35.30	35.19	-12.79	25.01	-5.08
	Casetón ascensor +35.07	34.97	-12.24	23.21	-5.08
	P. cubierta +32.30	32.03	9.24	19.97	-5.03
	P. séptima +28.70	28.43	8.68	17.40	-4.85
	P. sexta +25.10	24.83	7.97	14.79	-4.56
	P. quinta +21.50	21.23	7.04	12.23	-4.16
	P. cuarta +17.90	17.63	5.95	9.66	-3.68
	P. tercera +14.30	14.02	4.75	7.12	-3.10
	P. segunda +10.70	10.43	3.50	4.66	-2.41
	P. primera +5.35	5.08	1.35	1.85	-1.19
	P. Baja +0.00	-0.28	-0.01	0.08	-0.49
	Sótano -3.80	-3.60	0.00	0.00	0.00
P35	Placa solares +35.30	35.20	-12.79	25.24	-5.05
	Casetón ascensor +35.07	34.97	12.19	22.88	-5.05
	P. cubierta +32.30	32.03	9.24	20.26	-4.97
	P. séptima +28.70	28.43	8.68	17.74	-4.79
	P. sexta +25.10	24.83	7.97	15.19	-4.51
	P. quinta +21.50	21.23	7.04	12.62	-4.11
	P. cuarta +17.90	17.63	5.95	10.02	-3.64
	P. tercera +14.30	14.02	4.75	7.44	-3.07
	P. segunda +10.70	10.43	3.50	4.94	-2.39
	P. primera +5.35	5.08	1.35	1.97	-1.18
	P. Baja +0.00	-0.28	-0.01	0.08	-0.49

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	Sótano -3.80	-3.60	0.00	0.00	0.00
P36	Placa solares +35.30	35.20	-12.79	25.47	-5.49
	Casetón ascensor +35.07	34.97	12.18	23.40	-5.49
	P. cubierta +32.30	32.03	9.24	20.55	-5.42
	P. séptima +28.70	28.43	8.68	18.09	-5.25
	P. sexta +25.10	24.83	7.97	15.58	-4.98
	P. quinta +21.50	21.23	7.04	13.01	-4.61
	P. cuarta +17.90	17.63	5.95	10.38	-4.16
	P. tercera +14.30	14.02	4.75	7.75	-3.62
	P. segunda +10.70	10.43	3.50	5.22	-2.96
	P. primera +5.35	5.08	1.35	2.08	-1.81
	P. Baja +0.00	-0.28	-0.01	0.08	-0.47
	Sótano -3.80	-3.60	0.00	0.00	0.00
P37	Placa solares +35.30	35.20	-12.79	26.16	-5.29
	Casetón ascensor +35.07	34.97	12.22	24.02	-5.29
	P. cubierta +32.30	32.03	9.24	21.43	-5.22
	P. séptima +28.70	28.43	8.68	19.13	-5.03
	P. sexta +25.10	24.83	7.97	16.75	-4.74
	P. quinta +21.50	21.23	7.04	14.17	-4.32
	P. cuarta +17.90	17.63	5.95	11.47	-3.83
	P. tercera +14.30	14.02	4.75	8.69	-3.24
	P. segunda +10.70	10.43	3.50	6.05	-2.52
	P. primera +5.35	5.08	1.35	2.41	-1.24
	P. Baja +0.00	-0.28	-0.01	0.07	-0.51
	Sótano -3.80	-3.60	0.00	0.00	0.00
P38	Placa solares +35.30	35.20	-12.79	26.93	-4.91
	Casetón ascensor +35.07	34.97	12.19	24.77	-4.90
	P. cubierta +32.30	32.03	9.24	22.36	-4.84
	P. séptima +28.70	28.43	8.68	20.19	-4.66
	P. sexta +25.10	24.83	7.97	17.89	-4.39
	P. quinta +21.50	21.23	7.04	15.28	-4.00
	P. cuarta +17.90	17.63	5.95	12.47	-3.55
	P. tercera +14.30	14.02	4.75	9.53	-3.00
	P. segunda +10.70	10.43	3.50	6.72	-2.34
	P. primera +5.35	5.08	1.35	2.66	-1.17
	P. Baja +0.00	-0.28	-0.01	0.07	-0.48
	Sótano -3.80	-3.60	0.00	0.00	0.00
P39	Placa solares +35.30	35.20	-12.79	28.78	-5.02
	Casetón ascensor +35.07	34.97	12.18	26.56	-5.02
	P. cubierta +32.30	32.03	9.24	24.13	-4.95
	P. séptima +28.70	28.43	8.68	21.91	-4.77
	P. sexta +25.10	24.83	7.97	19.53	-4.49
	P. quinta +21.50	21.23	7.04	16.75	-4.10
	P. cuarta +17.90	17.63	5.95	13.73	-3.63
	P. tercera +14.30	14.02	4.75	10.53	-3.07
	P. segunda +10.70	10.43	3.50	7.48	-2.39

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. primera +5.35	5.08	1.35	2.95	-1.19
	P. Baja +0.00	-0.28	-0.01	0.07	-0.49
	Sótano -3.80	-3.60	0.00	0.00	0.00
P40	Placa solares +35.30	35.20	-12.79	30.64	-5.08
	Casetón ascensor +35.07	34.97	12.18	28.37	-5.08
	P. cubierta +32.30	32.03	9.24	25.90	-5.01
	P. séptima +28.70	28.43	8.68	23.63	-4.83
	P. sexta +25.10	24.83	7.97	21.17	-4.54
	P. quinta +21.50	21.23	7.04	18.23	-4.14
	P. cuarta +17.90	17.63	5.95	15.00	-3.68
	P. tercera +14.30	14.02	4.75	11.54	-3.10
	P. segunda +10.70	10.43	3.50	8.23	-2.42
	P. primera +5.35	5.08	1.35	3.24	-1.20
	P. Baja +0.00	-0.28	-0.01	0.07	-0.50
	Sótano -3.80	-3.60	0.00	0.00	0.00
P41	Placa solares +35.30	35.20	-12.79	32.50	-5.39
	Casetón ascensor +35.07	34.97	12.19	30.18	-5.39
	P. cubierta +32.30	32.03	9.24	27.67	-5.32
	P. séptima +28.70	28.43	8.68	25.36	-5.14
	P. sexta +25.10	24.83	7.97	22.82	-4.87
	P. quinta +21.50	21.23	7.04	19.71	-4.48
	P. cuarta +17.90	17.63	5.95	16.26	-4.02
	P. tercera +14.30	14.02	4.75	12.54	-3.46
	P. segunda +10.70	10.43	3.50	8.99	-2.79
	P. primera +5.35	5.08	1.35	3.52	-1.60
	P. Baja +0.00	-0.28	-0.01	0.06	-0.66
	Sótano -3.80	-3.60	0.00	0.00	0.00
P42	Placa solares +35.30	35.20	-12.79	34.35	-5.39
	Casetón ascensor +35.07	34.97	12.18	31.98	-5.39
	P. cubierta +32.30	32.03	9.24	29.44	-5.32
	P. séptima +28.70	28.43	8.68	27.08	-5.14
	P. sexta +25.10	24.83	7.97	24.46	-4.87
	P. quinta +21.50	21.23	7.04	21.19	-4.48
	P. cuarta +17.90	17.63	5.95	17.52	-4.02
	P. tercera +14.30	14.02	4.75	13.55	-3.46
	P. segunda +10.70	10.43	3.50	9.75	-2.80
	P. primera +5.35	5.08	1.35	3.81	-1.62
	P. Baja +0.00	-0.28	-0.01	0.06	-0.67
	Sótano -3.80	-3.60	0.00	0.00	0.00
P43	Placa solares +35.30	35.20	-12.79	36.21	-5.44
	Casetón ascensor +35.07	34.97	12.19	33.81	-5.44
	P. cubierta +32.30	32.03	9.24	31.21	-5.37
	P. séptima +28.70	28.43	8.68	28.80	-5.19
	P. sexta +25.10	24.83	7.97	26.10	-4.92
	P. quinta +21.50	21.23	7.04	22.67	-4.52
	P. cuarta +17.90	17.63	5.95	18.78	-4.06

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. tercera +14.30	14.02	4.75	14.55	-3.49
	P. segunda +10.70	10.43	3.50	10.50	-2.82
	P. primera +5.35	5.08	1.35	4.10	-1.62
	P. Baja +0.00	-0.28	-0.01	0.06	-0.67
	Sótano -3.80	-3.60	0.00	0.00	0.00
P44	Placa solares +35.30	35.20	-12.79	38.07	-5.67
	Casetón ascensor +35.07	34.97	12.18	35.99	-5.66
	P. cubierta +32.30	32.03	9.24	32.99	-5.61
	P. séptima +28.70	28.43	8.68	30.53	-5.43
	P. sexta +25.10	24.83	7.97	27.74	-5.15
	P. quinta +21.50	21.23	7.04	24.14	-4.75
	P. cuarta +17.90	17.63	5.95	20.04	-4.27
	P. tercera +14.30	14.02	4.75	15.55	-3.69
	P. segunda +10.70	10.43	3.50	11.26	-2.98
	P. primera +5.35	5.08	1.35	4.38	-1.74
	P. Baja +0.00	-0.28	-0.01	0.06	-0.72
	Sótano -3.80	-3.60	0.00	0.00	0.00
P45	Placa solares +35.30	35.20	-12.79	39.92	-5.71
	Casetón ascensor +35.07	34.97	13.84	37.71	-5.71
	P. cubierta +32.30	32.03	9.24	34.76	-5.67
	P. séptima +28.70	28.43	8.68	32.25	-5.48
	P. sexta +25.10	24.83	7.97	29.39	-5.20
	P. quinta +21.50	21.23	7.04	25.62	-4.79
	P. cuarta +17.90	17.63	5.95	21.31	-4.30
	P. tercera +14.30	14.02	4.75	16.56	-3.71
	P. segunda +10.70	10.43	3.50	12.02	-3.00
	P. primera +5.35	5.08	1.35	4.67	-1.75
	P. Baja +0.00	-0.28	-0.01	0.06	-0.73
	Sótano -3.80	-3.60	0.00	0.00	0.00
P46	P. cubierta +32.30	32.03	9.24	36.55	-3.92
	P. séptima +28.70	28.43	8.68	33.99	-3.76
	P. sexta +25.10	24.83	7.97	31.05	-3.52
	P. quinta +21.50	21.23	7.04	27.11	-3.17
	P. cuarta +17.90	17.63	5.95	22.58	-2.80
	P. tercera +14.30	14.02	4.75	17.56	-2.33
	P. segunda +10.70	10.43	3.50	12.77	-1.85
	P. primera +5.35	5.08	1.35	4.96	-0.99
	P. Baja +0.00	-0.34	-0.01	0.06	-0.21
P47	Sótano -3.80	-3.60	0.00	0.00	0.00
	Placa solares +35.30	35.20	-12.79	25.70	-3.71
	Casetón ascensor +35.07	34.97	12.19	23.50	-3.71
	P. cubierta +32.30	32.03	9.24	20.85	-3.64
	P. séptima +28.70	28.43	8.68	18.44	-3.49
	P. sexta +25.10	24.83	7.97	15.97	-3.27
	P. quinta +21.50	21.23	7.04	13.39	-2.98
	P. cuarta +17.90	17.63	5.95	10.74	-2.62

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. tercera +14.30	14.02	4.75	8.06	-2.19
	P. segunda +10.70	10.43	3.50	5.49	-1.64
	P. primera +5.35	5.08	1.35	2.19	-1.09
	P. Baja +0.00	-0.28	-0.01	0.07	-0.45
	Sótano -3.80	-3.60	0.00	0.00	0.00
P48	Placa solares +35.30	35.20	-12.79	25.93	-3.78
	Casetón ascensor +35.07	34.97	12.18	23.71	-3.77
	P. cubierta +32.30	32.03	9.24	21.14	-3.70
	P. séptima +28.70	28.43	8.68	18.78	-3.54
	P. sexta +25.10	24.83	7.97	16.36	-3.32
	P. quinta +21.50	21.23	7.04	13.78	-3.02
	P. cuarta +17.90	17.63	5.95	11.10	-2.66
	P. tercera +14.30	14.02	4.75	8.38	-2.22
	P. segunda +10.70	10.43	3.50	5.77	-1.66
	P. primera +5.35	5.08	1.35	2.30	-1.09
	P. Baja +0.00	-0.28	-0.01	0.07	-0.45
	Sótano -3.80	-3.60	0.00	0.00	0.00
P49	P. cubierta +32.30	32.03	9.22	19.67	-3.25
	P. séptima +28.70	28.38	8.65	17.05	-3.13
	P. sexta +25.10	24.78	7.94	14.40	-2.93
	P. quinta +21.50	21.18	7.00	11.84	-2.71
	P. cuarta +17.90	17.58	5.90	9.30	-2.41
	P. tercera +14.30	14.02	4.68	6.81	-2.09
	P. segunda +10.70	10.43	3.46	4.38	-1.69
	P. primera +5.35	5.08	1.34	1.74	-0.94
	P. Baja +0.00	-0.34	-0.01	0.08	-0.19
	Sótano -3.80	-3.60	0.00	0.00	0.00
P50	P. cubierta +32.30	32.03	9.22	19.97	-4.57
	P. séptima +28.70	28.38	8.65	17.40	-4.42
	P. sexta +25.10	24.78	7.94	14.79	-4.19
	P. quinta +21.50	21.18	7.00	12.23	-3.87
	P. cuarta +17.90	17.58	5.90	9.66	-3.49
	P. tercera +14.30	14.02	4.68	7.12	-3.02
	P. segunda +10.70	10.43	3.46	4.66	-2.51
	P. primera +5.35	5.08	1.34	1.85	-1.54
	P. Baja +0.00	-0.34	-0.01	0.08	-0.48
	Sótano -3.80	-3.60	0.00	0.00	0.00
P51	P. cubierta +32.30	32.03	9.22	20.26	-4.35
	P. séptima +28.70	28.38	8.65	17.74	-4.21
	P. sexta +25.10	24.78	7.94	15.19	-3.99
	P. quinta +21.50	21.18	7.00	12.62	-3.68
	P. cuarta +17.90	17.58	5.90	10.02	-3.31
	P. tercera +14.30	14.02	4.68	7.44	-2.85
	P. segunda +10.70	10.43	3.46	4.94	-2.36
	P. primera +5.35	5.08	1.34	1.97	-1.41
	P. Baja +0.00	-0.14	-0.01	0.08	-0.48

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1  
Juzgados de Móstoles

Fecha:20/06/23

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	Sótano -3.80	-3.60	0.00	0.00	0.00
P52	P. cubierta +32.30	32.35	9.22	20.55	-5.40
	P. séptima +28.70	28.38	8.65	18.09	-5.24
	P. sexta +25.10	24.78	7.94	15.58	-4.99
	P. quinta +21.50	21.18	7.00	13.01	-4.61
	P. cuarta +17.90	17.58	5.90	10.38	-4.17
	P. tercera +14.30	13.95	4.68	7.75	-3.61
	P. segunda +10.70	10.43	3.46	5.22	-2.98
	P. primera +5.35	5.08	1.34	2.08	-1.80
	P. Baja +0.00	-0.34	-0.01	0.08	-0.54
	Sótano -3.80	-3.60	0.00	0.00	0.00
P53	P. tercera +14.30	13.95	4.68	8.06	-1.55
	P. segunda +10.70	10.43	3.46	5.49	-1.36
	P. primera +5.35	5.08	1.34	2.19	-0.87
	P. Baja +0.00	-0.34	-0.01	0.07	-0.31
	Sótano -3.80	-3.60	0.00	0.00	0.00
P54	P. tercera +14.30	13.95	4.68	8.38	-1.65
	P. segunda +10.70	10.43	3.46	5.77	-1.45
	P. primera +5.35	5.08	1.34	2.30	-0.95
	P. Baja +0.00	-0.34	-0.01	0.07	-0.40
	Sótano -3.80	-3.60	0.00	0.00	0.00
P55	P. cubierta +32.30	32.35	9.22	21.43	-5.80
	P. séptima +28.70	28.43	8.65	19.13	-5.64
	P. sexta +25.10	24.83	7.94	16.75	-5.36
	P. quinta +21.50	21.23	7.00	14.17	-5.00
	P. cuarta +17.90	17.63	5.90	11.47	-4.52
	P. tercera +14.30	13.95	4.68	8.69	-3.91
	P. segunda +10.70	10.43	3.46	6.05	-3.26
	P. primera +5.35	5.08	1.34	2.41	-2.04
	P. Baja +0.00	-0.34	-0.01	0.07	-0.75
	Sótano -3.80	-3.60	0.00	0.00	0.00
P56	P. cubierta +32.30	32.03	9.22	22.36	-4.55
	P. séptima +28.70	28.43	8.65	20.19	-4.41
	P. sexta +25.10	24.83	7.94	17.89	-4.19
	P. quinta +21.50	21.23	7.00	15.28	-3.87
	P. cuarta +17.90	17.63	5.90	12.47	-3.50
	P. tercera +14.30	14.02	4.68	9.53	-3.04
	P. segunda +10.70	10.43	3.46	6.72	-2.56
	P. primera +5.35	5.08	1.34	2.66	-1.64
	P. Baja +0.00	-0.34	-0.01	0.07	-0.61
	Sótano -3.80	-3.60	0.00	0.00	0.00
P57	P. cubierta +32.30	32.03	9.22	24.13	-4.64
	P. séptima +28.70	28.43	8.65	21.91	-4.49
	P. sexta +25.10	24.83	7.94	19.53	-4.27
	P. quinta +21.50	21.23	7.00	16.75	-3.94
	P. cuarta +17.90	17.63	5.90	13.73	-3.57



## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. tercera +14.30	14.02	4.68	10.53	-3.10
	P. segunda +10.70	10.43	3.46	7.48	-2.60
	P. primera +5.35	5.08	1.34	2.95	-1.66
	P. Baja +0.00	-0.34	-0.01	0.07	-0.63
	Sótano -3.80	-3.60	0.00	0.00	0.00
P58	P. cubierta +32.30	32.03	9.22	25.90	-4.64
	P. séptima +28.70	28.43	8.65	23.63	-4.50
	P. sexta +25.10	24.83	7.94	21.17	-4.27
	P. quinta +21.50	21.23	7.00	18.23	-3.95
	P. cuarta +17.90	17.63	5.90	15.00	-3.57
	P. tercera +14.30	14.02	4.68	11.54	-3.10
	P. segunda +10.70	10.43	3.46	8.23	-2.61
	P. primera +5.35	5.08	1.34	3.24	-1.64
	P. Baja +0.00	-0.34	-0.01	0.07	-0.62
	Sótano -3.80	-3.60	0.00	0.00	0.00
P59	P. cubierta +32.30	32.03	9.22	27.67	-4.65
	P. séptima +28.70	28.43	8.65	25.36	-4.50
	P. sexta +25.10	24.83	7.94	22.82	-4.28
	P. quinta +21.50	21.23	7.00	19.71	-3.95
	P. cuarta +17.90	17.63	5.90	16.26	-3.57
	P. tercera +14.30	14.02	4.68	12.54	-3.09
	P. segunda +10.70	10.43	3.46	8.99	-2.59
	P. primera +5.35	5.08	1.34	3.52	-1.63
	P. Baja +0.00	-0.34	-0.01	0.06	-0.61
	Sótano -3.80	-3.60	0.00	0.00	0.00
P60	P. cubierta +32.30	32.03	9.22	29.44	-4.73
	P. séptima +28.70	28.43	8.65	27.08	-4.59
	P. sexta +25.10	24.83	7.94	24.46	-4.36
	P. quinta +21.50	21.23	7.00	21.19	-4.03
	P. cuarta +17.90	17.63	5.90	17.52	-3.64
	P. tercera +14.30	14.02	4.68	13.55	-3.16
	P. segunda +10.70	10.43	3.46	9.75	-2.65
	P. primera +5.35	5.08	1.34	3.81	-1.67
	P. Baja +0.00	-0.34	-0.01	0.06	-0.63
	Sótano -3.80	-3.60	0.00	0.00	0.00
P61	P. cubierta +32.30	32.03	9.22	31.21	-4.76
	P. séptima +28.70	28.43	8.65	28.80	-4.62
	P. sexta +25.10	24.83	7.94	26.10	-4.39
	P. quinta +21.50	21.23	7.00	22.67	-4.09
	P. cuarta +17.90	17.63	5.90	18.78	-3.70
	P. tercera +14.30	14.02	4.68	14.55	-3.22
	P. segunda +10.70	10.43	3.46	10.50	-2.65
	P. primera +5.35	5.08	1.34	4.10	-1.68
	P. Baja +0.00	-0.34	-0.01	0.06	-0.63
	Sótano -3.80	-3.60	0.00	0.00	0.00
P62	P. cubierta +32.30	32.03	9.22	32.99	-4.80

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. séptima +28.70	28.43	8.65	30.53	-4.62
	P. sexta +25.10	24.83	7.94	27.74	-4.34
	P. quinta +21.50	21.23	7.00	24.14	-3.98
	P. cuarta +17.90	17.63	5.90	20.04	-3.59
	P. tercera +14.30	14.02	4.68	15.55	-3.12
	P. segunda +10.70	10.43	3.46	11.26	-2.61
	P. primera +5.35	5.08	1.34	4.38	-1.65
	P. Baja +0.00	-0.34	-0.01	0.06	-0.62
	Sótano -3.80	-3.60	0.00	0.00	0.00
P63	P. cubierta +32.30	32.03	9.22	34.76	-4.85
	P. séptima +28.70	28.43	8.65	32.25	-4.70
	P. sexta +25.10	24.83	7.94	29.39	-4.47
	P. quinta +21.50	21.23	7.00	25.62	-4.13
	P. cuarta +17.90	17.63	5.90	21.31	-3.74
	P. tercera +14.30	14.02	4.68	16.56	-3.25
	P. segunda +10.70	10.43	3.46	12.02	-2.73
	P. primera +5.35	5.08	1.34	4.67	-1.74
	P. Baja +0.00	-0.34	-0.01	0.06	-0.65
P64	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. cubierta +32.30	32.03	9.22	36.54	-3.44
	P. séptima +28.70	28.43	8.65	33.98	-3.32
	P. sexta +25.10	24.83	7.94	31.04	-3.14
	P. quinta +21.50	21.23	7.00	27.11	-2.88
	P. cuarta +17.90	17.63	5.90	22.58	-2.57
	P. tercera +14.30	14.02	4.68	17.56	-2.18
	P. segunda +10.70	10.43	3.46	12.77	-1.76
	P. primera +5.35	5.08	1.34	4.96	-0.98
P65	P. Baja +0.00	-0.34	-0.01	0.06	-0.21
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	4.38	-0.97
	P. primera +5.35	5.02	1.34	1.74	-0.65
P66	P. Baja +0.00	-0.34	-0.01	0.08	-0.14
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	4.66	-1.25
	P. primera +5.35	5.02	1.34	1.85	-0.91
P67	P. Baja +0.00	-0.34	-0.01	0.08	-0.35
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	4.94	-1.16
	P. primera +5.35	5.02	1.34	1.97	-0.85
P68	P. Baja +0.00	-0.34	-0.01	0.08	-0.39
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	5.22	-1.18
	P. primera +5.35	5.02	1.34	2.08	-0.90
P69	P. Baja +0.00	-0.34	-0.01	0.08	-0.40
	Sótano -3.80	-3.60	0.00	0.00	0.00

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
P70	P. primera +5.35	5.02	1.34	2.19	-1.19
	P. Baja +0.00	-0.34	-0.01	0.07	-0.49
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	5.77	-1.44
P71	P. primera +5.35	5.02	1.34	2.30	-1.09
	P. Baja +0.00	-0.34	-0.01	0.07	-0.46
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	6.05	-1.24
P72	P. primera +5.35	5.02	1.34	2.41	-0.90
	P. Baja +0.00	-0.34	-0.01	0.07	-0.34
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	6.72	-0.95
P73	P. primera +5.35	5.02	1.34	2.66	-0.65
	P. Baja +0.00	-0.34	-0.01	0.07	-0.29
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	7.48	-1.23
P74	P. primera +5.35	5.02	1.34	2.95	-0.95
	P. Baja +0.00	-0.34	-0.01	0.07	-0.45
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	8.23	-1.30
P75	P. primera +5.35	5.02	1.34	3.24	-0.97
	P. Baja +0.00	-0.34	-0.01	0.07	-0.43
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	8.99	-1.20
P76	P. primera +5.35	5.02	1.34	3.52	-0.92
	P. Baja +0.00	-0.34	-0.01	0.06	-0.44
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	9.75	-1.26
P77	P. primera +5.35	5.02	1.34	3.81	-0.96
	P. Baja +0.00	-0.34	-0.01	0.06	-0.45
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	10.50	-1.39
P78	P. primera +5.35	5.02	1.34	4.10	-1.04
	P. Baja +0.00	-0.34	-0.01	0.06	-0.42
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	11.25	-1.50
P79	P. primera +5.35	5.02	1.34	4.38	-1.08
	P. Baja +0.00	-0.34	-0.01	0.06	-0.43
	Sótano -3.80	-3.60	0.00	0.00	0.00
	P. segunda +10.70	10.32	3.42	12.01	-1.40
P80	P. primera +5.35	5.02	1.34	4.67	-1.04
	P. Baja +0.00	-0.34	-0.01	0.06	-0.42
	Sótano -3.80	-3.60	0.00	0.00	0.00
P80	P. segunda +10.70	10.32	3.42	12.77	-0.98
	P. primera +5.35	5.02	1.34	4.96	-0.66
	P. Baja +0.00	-0.34	-0.01	0.06	-0.18

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	Sótano -3.80	-3.60	0.00	0.00	0.00
P81	P. segunda +10.70	10.32	3.40	5.49	-1.24
	P. primera +5.35	5.02	1.35	2.19	-0.89
	P. Baja +0.00	-0.34	-0.01	0.07	-0.34
	Sótano -3.80	-3.60	0.00	0.00	0.00
P82	P. segunda +10.70	10.32	3.40	5.77	-1.11
	P. primera +5.35	5.02	1.35	2.30	-0.84
	P. Baja +0.00	-0.34	-0.01	0.07	-0.33
	Sótano -3.80	-3.60	0.00	0.00	0.00
P83	P. segunda +10.70	10.32	3.39	4.38	-0.63
	P. primera +5.35	5.02	1.35	1.74	-0.43
	P. Baja +0.00	-0.34	-0.01	0.08	-0.10
	Sótano -3.80	-3.60	0.00	0.00	0.00
P84	P. segunda +10.70	10.32	3.39	4.66	-0.86
	P. primera +5.35	5.02	1.35	1.85	-0.58
	P. Baja +0.00	-0.34	-0.01	0.08	-0.15
	Sótano -3.80	-3.60	0.00	0.00	0.00
P85	P. segunda +10.70	10.32	3.39	4.94	-0.84
	P. primera +5.35	5.02	1.35	1.97	-0.58
	P. Baja +0.00	-0.34	-0.01	0.08	-0.16
	Sótano -3.80	-3.60	0.00	0.00	0.00
P86	P. segunda +10.70	10.32	3.39	5.22	-0.87
	P. primera +5.35	5.02	1.35	2.08	-0.58
	P. Baja +0.00	-0.34	-0.01	0.08	-0.16
	Sótano -3.80	-3.60	0.00	0.00	0.00
P87	P. Baja +0.00	-0.34	-0.01	0.07	-0.18
	Sótano -3.80	-3.60	0.00	0.00	0.00
P87a	P. segunda +10.70	10.32	3.39	6.05	-0.99
	P. primera +5.35	5.02	1.35	2.41	-0.67
	P. Baja +0.00	-0.10	-0.01	0.07	-0.18
P88	P. Baja +0.00	-0.34	-0.01	0.07	-0.14
	Sótano -3.80	-3.60	0.00	0.00	0.00
P88a	P. segunda +10.70	10.32	3.39	6.72	-0.83
	P. primera +5.35	5.02	1.35	2.66	-0.56
	P. Baja +0.00	-0.10	-0.01	0.07	-0.14
P89	P. Baja +0.00	-0.34	-0.01	0.07	-0.14
	Sótano -3.80	-3.60	0.00	0.00	0.00
P89a	P. segunda +10.70	10.32	3.39	7.48	-0.80
	P. primera +5.35	5.02	1.35	2.95	-0.54
	P. Baja +0.00	-0.10	-0.01	0.07	-0.14
P90	P. Baja +0.00	-0.34	-0.01	0.07	-0.14
	Sótano -3.80	-3.60	0.00	0.00	0.00
P90a	P. segunda +10.70	10.32	3.39	8.23	-0.81
	P. primera +5.35	5.02	1.35	3.24	-0.55
	P. Baja +0.00	-0.10	-0.01	0.07	-0.14
P91	P. Baja +0.00	-0.34	-0.01	0.06	-0.15

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	Sótano -3.80	-3.60	0.00	0.00	0.00
P91a	P. segunda +10.70	10.32	3.39	8.99	-0.84
	P. primera +5.35	5.02	1.35	3.52	-0.56
	P. Baja +0.00	-0.10	-0.01	0.06	-0.15
P92	P. Baja +0.00	-0.34	-0.01	0.06	-0.15
	Sótano -3.80	-3.60	0.00	0.00	0.00
P92a	P. segunda +10.70	10.32	3.39	9.75	-0.88
	P. primera +5.35	5.02	1.35	3.81	-0.58
	P. Baja +0.00	-0.10	-0.01	0.06	-0.15
P93	P. Baja +0.00	-0.34	-0.01	0.06	-0.14
	Sótano -3.80	-3.60	0.00	0.00	0.00
P93a	P. segunda +10.70	10.32	3.39	10.50	-0.83
	P. primera +5.35	5.02	1.35	4.10	-0.56
	P. Baja +0.00	-0.10	-0.01	0.06	-0.14
P94	P. Baja +0.00	-0.34	-0.01	0.06	-0.15
	Sótano -3.80	-3.60	0.00	0.00	0.00
P94a	P. segunda +10.70	10.32	3.39	11.26	-0.84
	P. primera +5.35	5.02	1.35	4.38	-0.57
	P. Baja +0.00	-0.10	-0.01	0.06	-0.15
P95	P. Baja +0.00	-0.34	-0.01	0.06	-0.15
	Sótano -3.80	-3.60	0.00	0.00	0.00
P95a	P. segunda +10.70	10.32	3.39	12.02	-0.85
	P. primera +5.35	5.02	1.35	4.67	-0.57
	P. Baja +0.00	-0.10	-0.01	0.06	-0.15
P96	P. Baja +0.00	-0.34	-0.01	0.06	-0.07
	Sótano -3.80	-3.60	0.00	0.00	0.00
P96a	P. segunda +10.70	10.32	3.39	12.77	-0.59
	P. primera +5.35	5.02	1.35	4.96	-0.40
	P. Baja +0.00	-0.10	-0.01	0.06	-0.07
P97	Casetón ascensor +35.07	34.89	34.37	27.15	-6.94
	P. cubierta +32.30	32.20	9.27	19.97	-6.93
P98	Casetón ascensor +35.07	34.89	34.62	26.36	-7.88
	P. cubierta +32.30	32.20	9.31	20.04	-7.85
P99	Casetón ascensor +35.07	34.89	34.37	26.36	-8.46
	P. cubierta +32.30	32.20	9.27	20.04	-8.40
P100	Casetón ascensor +35.07	34.89	-34.40	27.51	-8.77
	P. cubierta +32.30	32.20	9.31	20.47	-8.74
P101	Casetón ascensor +35.07	34.89	-34.07	27.51	-9.26
	P. cubierta +32.30	32.20	9.27	20.47	-9.20
P102	Casetón ascensor +35.07	34.89	-34.07	26.96	-7.29
	P. cubierta +32.30	32.20	9.27	20.54	-7.28
P103	Casetón ascensor +35.07	34.82	9.67	23.77	-5.71
	P. cubierta +32.30	32.20	9.32	20.76	-5.76
P104	Casetón ascensor +35.07	34.82	9.67	23.66	-5.34
	P. cubierta +32.30	32.20	9.32	21.22	-5.38
P105	Casetón ascensor +35.07	34.82	9.62	23.77	-6.18

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. cubierta +32.30	32.20	9.27	20.76	-6.12
P106	Casetón ascensor +35.07	34.82	9.62	23.66	-5.72
	P. cubierta +32.30	32.20	9.27	21.22	-5.66
P107	Casetón ascensor +35.07	34.89	39.40	28.28	-11.76
	P. cubierta +32.30	32.20	9.31	21.51	-11.75
P108	Casetón ascensor +35.07	34.89	38.86	28.92	-7.74
	P. cubierta +32.30	32.20	9.27	21.44	-7.73
P109	Casetón ascensor +35.07	34.89	38.86	28.28	-11.83
	P. cubierta +32.30	32.20	9.27	21.51	-11.76
P110	Casetón ascensor +35.07	34.89	34.84	29.90	-7.85
	P. cubierta +32.30	32.20	9.31	22.83	-7.82
P111	Casetón ascensor +35.07	34.89	34.45	28.98	-6.72
	P. cubierta +32.30	32.20	9.27	22.40	-6.71
P112	Casetón ascensor +35.07	34.89	34.45	29.90	-8.35
	P. cubierta +32.30	32.20	9.27	22.83	-8.29
P113	Casetón ascensor +35.07	34.89	-34.03	31.73	-8.07
	P. cubierta +32.30	32.20	9.31	25.43	-8.04
P114	Casetón ascensor +35.07	34.89	-33.47	31.73	-8.55
	P. cubierta +32.30	32.20	9.27	25.43	-8.49
P115	Casetón ascensor +35.07	34.89	-33.47	33.11	-7.15
	P. cubierta +32.30	32.20	9.27	25.86	-7.13
P116	Casetón ascensor +35.07	34.89	-33.14	35.20	-8.13
	P. cubierta +32.30	32.20	9.31	28.98	-8.11
P117	Casetón ascensor +35.07	34.89	-32.76	35.20	-8.93
	P. cubierta +32.30	32.20	9.27	28.98	-8.88
P118	Casetón ascensor +35.07	34.89	-32.76	36.46	-7.15
	P. cubierta +32.30	32.20	9.27	29.40	-7.13
P119	Casetón ascensor +35.07	34.85	12.92	35.92	-5.42
	P. cubierta +32.30	32.20	9.31	33.02	-5.37
P121	P. cubierta +32.30	32.35	9.22	20.73	-15.50
	P. séptima +28.70	28.38	8.65	18.30	-15.28
	P. sexta +25.10	24.78	7.94	15.81	-15.11
	P. quinta +21.50	21.18	7.00	13.24	-14.89
	P. cuarta +17.90	17.58	5.90	10.60	-14.72
	P. tercera +14.30	14.20	4.68	7.94	-14.53
P122	P. cubierta +32.30	32.35	9.22	21.26	-15.96
	P. séptima +28.70	28.43	8.65	18.92	-15.75
	P. sexta +25.10	24.83	7.94	16.51	-15.58
	P. quinta +21.50	21.23	7.00	13.94	-15.36
	P. cuarta +17.90	17.63	5.90	11.25	-15.17
	P. tercera +14.30	14.20	4.68	8.50	-14.97
P123	Placa solares +35.30	35.19	-13.11	25.01	-6.01
	Casetón ascensor +35.07	34.97	-12.57	26.39	-6.00
	P. cubierta +32.30	32.20	9.32	19.97	-5.95
P124	Placa solares +35.30	35.20	-13.11	25.24	-6.20
	Casetón ascensor +35.07	34.97	-12.43	26.36	-6.20

## Desplazamientos de pilares

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias					
Pilar	Planta	Cota (m)	Desp. X (mm)	Desp. Y (mm)	Desp. Z (mm)
	P. cubierta +32.30	32.20	9.32	20.26	-6.13
P125	Placa solares +35.30	35.20	-13.11	25.47	-6.27
	Casetón ascensor +35.07	34.97	-12.51	26.61	-6.27
	P. cubierta +32.30	32.20	9.32	20.55	-6.20
P126	Placa solares +35.30	35.20	-13.11	25.70	-4.27
	Casetón ascensor +35.07	34.97	-12.46	26.88	-4.27
	P. cubierta +32.30	32.20	9.32	20.85	-4.20
P127	Placa solares +35.30	35.20	-13.11	25.93	-4.17
	Casetón ascensor +35.07	34.97	-12.46	27.12	-4.17
	P. cubierta +32.30	32.20	9.32	21.14	-4.10
P128	Placa solares +35.30	35.20	-13.11	26.16	-6.27
	Casetón ascensor +35.07	34.97	12.37	27.34	-6.26
	P. cubierta +32.30	32.20	9.32	21.43	-6.19
P129	Placa solares +35.30	35.20	-13.11	26.93	-5.95
	Casetón ascensor +35.07	34.97	-12.47	28.11	-5.94
	P. cubierta +32.30	32.20	9.32	22.36	-5.87
P130	Placa solares +35.30	35.20	-13.11	28.78	-6.15
	Casetón ascensor +35.07	34.97	-12.43	29.91	-6.14
	P. cubierta +32.30	32.20	9.32	24.13	-6.07
P131	Placa solares +35.30	35.20	-13.11	30.64	-5.95
	Casetón ascensor +35.07	34.97	-12.45	31.79	-5.94
	P. cubierta +32.30	32.20	9.32	25.90	-5.88
P132	Placa solares +35.30	35.20	-13.11	32.50	-6.15
	Casetón ascensor +35.07	34.97	-12.43	33.60	-6.15
	P. cubierta +32.30	32.20	9.32	27.67	-6.08
P133	Placa solares +35.30	35.20	-13.11	34.35	-5.93
	Casetón ascensor +35.07	34.97	-12.46	35.50	-5.93
	P. cubierta +32.30	32.20	9.32	29.44	-5.86
P134	Placa solares +35.30	35.20	-13.11	36.21	-6.19
	Casetón ascensor +35.07	34.97	-12.44	37.29	-6.18
	P. cubierta +32.30	32.20	9.32	31.21	-6.11
P135	Placa solares +35.30	35.20	-13.11	38.07	-6.56
	Casetón ascensor +35.07	34.97	-12.49	39.14	-6.55
	P. cubierta +32.30	32.20	9.32	32.99	-6.49
P136	Placa solares +35.30	35.20	-13.11	39.92	-6.81
	Casetón ascensor +35.07	34.97	-12.39	40.65	-6.80
	P. cubierta +32.30	32.20	9.32	34.76	-6.76
P137	Casetón ascensor +35.07	34.89	12.92	38.08	-6.52
	P. cubierta +32.30	32.20	9.31	34.93	-6.63
P138	Casetón ascensor +35.07	34.85	12.69	35.92	-7.64
	P. cubierta +32.30	32.20	9.27	33.02	-7.59
P139	Casetón ascensor +35.07	34.89	12.69	38.08	-8.64
	P. cubierta +32.30	32.20	9.27	34.93	-8.59

Los valores indicados tienen en cuenta los factores de desplazamientos definidos para los efectos multiplicadores de segundo orden.



#### 4. DISTORSIONES DE PILARES

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

▪ h: Altura del nivel respecto al inmediato inferior

▪ Distorsión:

Absoluta: Diferencia entre los desplazamientos de un nivel y los del inmediatamente inferior

Relativa: Relación entre la altura y la distorsión absoluta

▪ Origen:

G: Sólo gravitatorias

GV: Gravitatorias + viento

▪ Nota:

Las diferentes normas suelen limitar el valor de la distorsión relativa entre plantas y de la distorsión total (desplome) del edificio.

El valor absoluto se utilizará para definir las juntas sísmicas. El valor relativo suele limitarse en función de la altura de la planta 'h'. Se comprueba el valor 'Total' tomando en ese caso como valor de 'h' la altura total.

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P1	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0025	h / 1440	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0024	h / 1500	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0026	h / 2058	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0017	h / 3148	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0197	h / 1809	GV
P2	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0028	h / 1911	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0018	h / 2973	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0200	h / 1782	GV
P3	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0030	h / 1784	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0019	h / 2816	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0203	h / 1755	GV
P4	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0031	h / 1726	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0020	h / 2675	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0206	h / 1730	GV
P5	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoies

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0033	h / 1622	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0021	h / 2548	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0208	h / 1713	GV
P6	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0035	h / 1529	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0022	h / 2432	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P7	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0028	h / 1286	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0036	h / 1487	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0023	h / 2327	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P8	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0023	h / 1566	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0028	h / 1286	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0029	h / 1242	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0028	h / 1286	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0041	h / 1305	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0026	h / 2058	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P9	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0022	h / 1637	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0028	h / 1286	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0030	h / 1200	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0032	h / 1125	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0031	h / 1162	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0045	h / 1189	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0029	h / 1845	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P10	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0029	h / 1242	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0032	h / 1125	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0035	h / 1029	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0033	h / 1091	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0050	h / 1070	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P11	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0032	h / 1672	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0259	h / 1376	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0031	h / 1162	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0035	h / 1029	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0037	h / 973	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0036	h / 1000	GV
P12	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0055	h / 973	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0035	h / 1529	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0277	h / 1287	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0033	h / 1091	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0037	h / 973	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
P13	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0038	h / 948	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0059	h / 907	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0037	h / 1446	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0294	h / 1212	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0027	h / 1334	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0034	h / 1059	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0039	h / 924	GV
P14	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0042	h / 858	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0040	h / 900	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0064	h / 836	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0040	h / 1338	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0312	h / 1142	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0028	h / 1286	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0036	h / 1000	GV
P15	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0041	h / 879	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0043	h / 838	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0069	h / 776	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0043	h / 1245	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0330	h / 1080	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
P16	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0038	h / 948	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0043	h / 838	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0047	h / 766	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0045	h / 800	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0073	h / 733	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0046	h / 1164	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0348	h / 1024	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0039	h / 924	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0045	h / 800	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0050	h / 720	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0048	h / 750	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0078	h / 686	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0049	h / 1092	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0094	h / 3790	GV	0.0366	h / 974	GV
P17	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0025	h / 1440	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0024	h / 1500	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0026	h / 2058	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0017	h / 3148	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0197	h / 1809	GV
P18	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0028	h / 1911	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0018	h / 2973	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0200	h / 1782	GV
P18a	Casetón ascensor +35.07	34.89	2.69	0.0253	h / 107	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0253	h / 107	GV	0.0072	h / 374	GV
P19	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0030	h / 1784	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0019	h / 2816	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0203	h / 1755	GV
P20	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0031	h / 1726	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0020	h / 2675	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0206	h / 1730	GV
P20a	Casetón ascensor +35.07	34.89	2.69	0.0260	h / 104	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0260	h / 104	GV	0.0073	h / 369	GV
P21	Casetón ascensor +35.07	34.87	2.84	0.0007	h / 4065	GV	0.0041	h / 694	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0033	h / 1622	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0021	h / 2548	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.47	0.0097	h / 3966	GV	0.0237	h / 1624	GV
P22	Casetón ascensor +35.07	34.87	2.84	0.0007	h / 4065	GV	0.0039	h / 730	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0035	h / 1529	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0022	h / 2432	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.47	0.0097	h / 3966	GV	0.0237	h / 1624	GV
P23	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0028	h / 1286	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0036	h / 1487	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0023	h / 2327	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0214	h / 1665	GV
P23a	Casetón ascensor +35.07	34.89	2.69	0.0301	h / 90	GV	0.0075	h / 359	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0301	h / 90	GV	0.0075	h / 359	GV
P24	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0023	h / 1566	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0028	h / 1286	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0029	h / 1242	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0028	h / 1286	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0041	h / 1305	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0026	h / 2058	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0224	h / 1591	GV
P24a	Casetón ascensor +35.07	34.89	2.69	0.0255	h / 106	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0255	h / 106	GV	0.0072	h / 374	GV
P25	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0022	h / 1637	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0028	h / 1286	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0030	h / 1200	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0032	h / 1125	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0031	h / 1162	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0045	h / 1189	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0029	h / 1845	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0241	h / 1479	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P26	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0029	h / 1242	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0032	h / 1125	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0035	h / 1029	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0033	h / 1091	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0050	h / 1070	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0032	h / 1672	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0259	h / 1376	GV
P26a	Casetón ascensor +35.07	34.89	2.69	0.0256	h / 106	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0256	h / 106	GV	0.0072	h / 374	GV
P27	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0031	h / 1162	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0035	h / 1029	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0037	h / 973	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0036	h / 1000	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0055	h / 973	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0035	h / 1529	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0277	h / 1287	GV
P28	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0033	h / 1091	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0037	h / 973	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0038	h / 948	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0059	h / 907	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0037	h / 1446	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0294	h / 1212	GV
P28a	Casetón ascensor +35.07	34.89	2.69	0.0247	h / 109	GV	0.0074	h / 364	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0247	h / 109	GV	0.0074	h / 364	GV
P29	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0027	h / 1334	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0034	h / 1059	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0039	h / 924	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0042	h / 858	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0040	h / 900	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0064	h / 836	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0040	h / 1338	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0312	h / 1142	GV
P30	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0028	h / 1286	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0036	h / 1000	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0041	h / 879	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0043	h / 838	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0069	h / 776	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0043	h / 1245	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0330	h / 1080	GV



# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P31	Casetón ascensor +35.07	34.87	2.84	0.0036	h / 791	GV	0.0036	h / 791	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0038	h / 948	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0043	h / 838	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0047	h / 766	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0045	h / 800	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0073	h / 733	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0046	h / 1164	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.47	0.0129	h / 2983	GV	0.0379	h / 1016	GV
P32	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0039	h / 924	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0045	h / 800	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0050	h / 720	GV
	P. tercera +14.30	14.02	3.60	0.0013	h / 2770	GV	0.0048	h / 750	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0078	h / 686	GV
	P. primera +5.35	5.08	5.35	0.0014	h / 3822	GV	0.0049	h / 1092	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0093	h / 3831	GV	0.0365	h / 977	GV
P33	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0025	h / 1440	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0024	h / 1500	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0026	h / 2058	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0017	h / 3183	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0197	h / 1809	GV
P34	Placa solares +35.30	35.19	0.22	0.0005	h / 440	GV	0.0021	h / 105	GV
	Casetón ascensor +35.07	34.97	2.95	0.0041	h / 719	GV	0.0048	h / 614	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0028	h / 1911	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0018	h / 2973	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.79	0.0128	h / 3031	GV	0.0250	h / 1552	GV
P35	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0035	h / 66	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0060	h / 491	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0030	h / 1784	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0019	h / 2816	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0252	h / 1540	GV
P36	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0026	h / 89	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoies

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0049	h / 602	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0031	h / 1726	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0020	h / 2675	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0255	h / 1522	GV
P37	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0039	h / 756	GV	0.0045	h / 655	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0028	h / 1286	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0036	h / 1487	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0023	h / 2327	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0262	h / 1481	GV
P38	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0023	h / 1566	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0028	h / 1286	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0029	h / 1242	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0028	h / 1286	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0041	h / 1305	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0026	h / 2058	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0269	h / 1443	GV
P39	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0022	h / 1637	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0028	h / 1286	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0030	h / 1200	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0032	h / 1125	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0031	h / 1162	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0045	h / 1189	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0029	h / 1845	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0288	h / 1348	GV
P40	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0029	h / 1242	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0032	h / 1125	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0035	h / 1029	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0033	h / 1091	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0050	h / 1070	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0032	h / 1672	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0306	h / 1268	GV
P41	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0031	h / 1162	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0035	h / 1029	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0037	h / 973	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0036	h / 1000	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0055	h / 973	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0035	h / 1529	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0325	h / 1194	GV
P42	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0027	h / 86	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0033	h / 1091	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0037	h / 973	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0038	h / 948	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0059	h / 907	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0037	h / 1446	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0344	h / 1128	GV
P43	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0026	h / 89	GV
	Casetón ascensor +35.07	34.97	2.95	0.0039	h / 756	GV	0.0044	h / 670	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0027	h / 1334	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0034	h / 1059	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0039	h / 924	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0042	h / 858	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0064	h / 836	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0040	h / 1338	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0362	h / 1072	GV
P44	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0038	h / 775	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0028	h / 1286	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0036	h / 1000	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0041	h / 879	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0043	h / 838	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0069	h / 776	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0043	h / 1245	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0381	h / 1019	GV
P45	Placa solares +35.30	35.20	0.23	0.0022	h / 105	GV	0.0022	h / 105	GV
	Casetón ascensor +35.07	34.97	2.95	0.0046	h / 641	GV	0.0041	h / 719	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0038	h / 948	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0043	h / 838	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0047	h / 766	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0073	h / 733	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0046	h / 1164	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0399	h / 973	GV
	P46								
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0039	h / 924	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0045	h / 800	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0050	h / 720	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0048	h / 750	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0078	h / 686	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0049	h / 1105	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0366	h / 974	GV
	P47								
	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0028	h / 83	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0049	h / 602	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0033	h / 1622	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0021	h / 2548	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0257	h / 1510	GV
	P48								
	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0028	h / 83	GV
	Casetón ascensor +35.07	34.97	2.95	0.0040	h / 737	GV	0.0048	h / 614	GV
	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0027	h / 1334	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0026	h / 1385	GV
	P. segunda +10.70	10.43	5.35	0.0022	h / 2432	GV	0.0035	h / 1529	GV
	P. primera +5.35	5.08	5.35	0.0013	h / 4116	GV	0.0022	h / 2432	GV
	P. Baja +0.00	-0.28	3.33	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		38.80	0.0128	h / 3032	GV	0.0259	h / 1499	GV
	P49								
	P. cubierta +32.30	32.03	3.65	0.0006	h / 6084	GV	0.0026	h / 1404	GV
	P. séptima +28.70	28.38	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.78	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.18	3.60	0.0011	h / 3273	GV	0.0025	h / 1440	GV
	P. cuarta +17.90	17.58	3.55	0.0012	h / 2959	GV	0.0025	h / 1420	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0024	h / 1500	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0026	h / 2058	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0017	h / 3183	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0197	h / 1809	GV
	P50								
	P. cubierta +32.30	32.03	3.65	0.0006	h / 6084	GV	0.0026	h / 1404	GV
	P. séptima +28.70	28.38	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.78	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.18	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.58	3.55	0.0012	h / 2959	GV	0.0025	h / 1420	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0028	h / 1911	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0018	h / 3006	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0200	h / 1782	GV
P51	P. cubierta +32.30	32.03	3.65	0.0006	h / 6084	GV	0.0025	h / 1460	GV
	P. séptima +28.70	28.38	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.78	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.18	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.58	3.55	0.0012	h / 2959	GV	0.0026	h / 1366	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0025	h / 1440	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0030	h / 1784	GV
	P. primera +5.35	5.08	5.21	0.0013	h / 4008	GV	0.0019	h / 2743	GV
	P. Baja +0.00	-0.14	3.46	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0203	h / 1755	GV
P52	P. cubierta +32.30	32.35	3.97	0.0006	h / 6625	GV	0.0025	h / 1590	GV
	P. séptima +28.70	28.38	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.78	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.18	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.58	3.63	0.0012	h / 3021	GV	0.0026	h / 1395	GV
	P. tercera +14.30	13.95	3.52	0.0012	h / 2938	GV	0.0025	h / 1410	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0031	h / 1726	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0020	h / 2705	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.95	0.0092	h / 3908	GV	0.0206	h / 1746	GV
P53	P. tercera +14.30	13.95	3.52	0.0012	h / 2938	GV	0.0026	h / 1356	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0033	h / 1622	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0021	h / 2577	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		17.55	0.0047	h / 3735	GV	0.0081	h / 2167	GV
P54	P. tercera +14.30	13.95	3.52	0.0012	h / 2938	GV	0.0026	h / 1356	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0035	h / 1529	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0022	h / 2460	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		17.55	0.0047	h / 3735	GV	0.0084	h / 2090	GV
P55	P. cubierta +32.30	32.35	3.92	0.0006	h / 6542	GV	0.0023	h / 1707	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.68	0.0012	h / 3063	GV	0.0028	h / 1313	GV
	P. tercera +14.30	13.95	3.52	0.0012	h / 2938	GV	0.0026	h / 1356	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0036	h / 1487	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0023	h / 2353	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.95	0.0092	h / 3908	GV	0.0214	h / 1680	GV
P56	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0023	h / 1566	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0028	h / 1286	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0029	h / 1242	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0028	h / 1286	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0041	h / 1305	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0026	h / 2081	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0224	h / 1591	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P57	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0022	h / 1637	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0028	h / 1286	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0030	h / 1200	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0032	h / 1125	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0031	h / 1162	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0045	h / 1189	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0029	h / 1866	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0241	h / 1479	GV
P58	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0029	h / 1242	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0032	h / 1125	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0035	h / 1029	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0033	h / 1091	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0050	h / 1070	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0032	h / 1691	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0259	h / 1376	GV
P59	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0023	h / 1566	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0031	h / 1162	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0035	h / 1029	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0037	h / 973	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0036	h / 1000	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0055	h / 973	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0035	h / 1546	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0277	h / 1287	GV
P60	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0026	h / 1385	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0033	h / 1091	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0037	h / 973	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0038	h / 948	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0059	h / 907	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0037	h / 1463	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0294	h / 1212	GV
P61	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0024	h / 1500	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0027	h / 1334	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0034	h / 1059	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0039	h / 924	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0042	h / 858	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0040	h / 900	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0064	h / 836	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0040	h / 1353	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0312	h / 1142	GV
P62	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0028	h / 1286	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0036	h / 1000	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0041	h / 879	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0043	h / 838	GV



# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoies

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0069	h / 776	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0043	h / 1259	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0330	h / 1080	GV
P63	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0025	h / 1440	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0038	h / 948	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0043	h / 838	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0047	h / 766	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0045	h / 800	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0073	h / 733	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0046	h / 1177	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0348	h / 1024	GV
P64	P. cubierta +32.30	32.03	3.60	0.0006	h / 6000	GV	0.0026	h / 1385	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0029	h / 1242	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0039	h / 924	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0045	h / 800	GV
	P. cuarta +17.90	17.63	3.60	0.0012	h / 3000	GV	0.0050	h / 720	GV
	P. tercera +14.30	14.02	3.60	0.0012	h / 3000	GV	0.0048	h / 750	GV
	P. segunda +10.70	10.43	5.35	0.0021	h / 2548	GV	0.0078	h / 686	GV
	P. primera +5.35	5.08	5.41	0.0013	h / 4162	GV	0.0049	h / 1105	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		35.63	0.0092	h / 3873	GV	0.0365	h / 977	GV
P65	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0026	h / 2039	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0017	h / 3148	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P66	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0028	h / 1893	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0018	h / 2973	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P67	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0030	h / 1767	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0019	h / 2816	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P68	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0031	h / 1710	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0020	h / 2675	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P69	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0033	h / 1607	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0021	h / 2548	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P70	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0035	h / 1515	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0022	h / 2432	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
P71	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0036	h / 1473	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0023	h / 2327	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							



# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	Total		13.91	0.0034	h / 4093	GV	0.0060	h / 2320	GV
P72	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0041	h / 1293	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0026	h / 2058	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0067	h / 2077	GV
P73	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0045	h / 1178	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0029	h / 1845	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0075	h / 1856	GV
P74	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0050	h / 1060	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0032	h / 1672	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0082	h / 1697	GV
P75	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0055	h / 964	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0035	h / 1529	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0090	h / 1547	GV
P76	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0059	h / 899	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0037	h / 1446	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0097	h / 1435	GV
P77	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0064	h / 829	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0040	h / 1338	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0105	h / 1326	GV
P78	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0069	h / 769	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0043	h / 1245	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0113	h / 1232	GV
P79	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0073	h / 727	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0046	h / 1164	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0120	h / 1160	GV
P80	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0078	h / 680	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0049	h / 1092	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0128	h / 1088	GV
P81	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0033	h / 1607	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0021	h / 2548	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0055	h / 2530	GV
P82	P. segunda +10.70	10.32	5.30	0.0021	h / 2524	GV	0.0035	h / 1515	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0022	h / 2432	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0058	h / 2400	GV
P83	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0026	h / 2039	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0017	h / 3148	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0044	h / 3163	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
P84	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0028	h / 1893	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0018	h / 2973	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0047	h / 2961	GV
P85	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0030	h / 1767	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0019	h / 2816	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0049	h / 2840	GV
P86	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0031	h / 1710	GV
	P. primera +5.35	5.02	5.35	0.0013	h / 4116	GV	0.0020	h / 2675	GV
	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		13.91	0.0034	h / 4093	GV	0.0052	h / 2676	GV
P87	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P87a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0036	h / 1473	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0023	h / 2224	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0060	h / 1736	GV
P88	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P88a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0041	h / 1293	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0026	h / 1968	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0067	h / 1555	GV
P89	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P89a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0045	h / 1178	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0029	h / 1764	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0074	h / 1408	GV
P90	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P90a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0050	h / 1060	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0032	h / 1599	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0082	h / 1271	GV
P91	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P91a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0055	h / 964	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0035	h / 1462	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0089	h / 1171	GV
P92	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P92a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0059	h / 899	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0037	h / 1383	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0097	h / 1074	GV
P93	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P93a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0064	h / 829	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0040	h / 1279	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0104	h / 1002	GV
P94	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P94a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0069	h / 769	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0043	h / 1190	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0112	h / 930	GV
P95	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P95a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0073	h / 727	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0046	h / 1112	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0120	h / 868	GV
P96	P. Baja +0.00	-0.34	3.27	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.27	0.0000	----	GV	0.0001	----	GV
P96a	P. segunda +10.70	10.32	5.30	0.0020	h / 2650	GV	0.0078	h / 680	GV
	P. primera +5.35	5.02	5.12	0.0013	h / 3935	GV	0.0049	h / 1044	GV
	P. Baja +0.00	-0.10							
	Total		10.41	0.0034	h / 3064	GV	0.0127	h / 821	GV
P97	Casetón ascensor +35.07	34.89	2.69	0.0251	h / 108	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0251	h / 108	GV	0.0072	h / 374	GV
P98	Casetón ascensor +35.07	34.89	2.69	0.0253	h / 107	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0253	h / 107	GV	0.0073	h / 369	GV
P99	Casetón ascensor +35.07	34.89	2.69	0.0251	h / 108	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0251	h / 108	GV	0.0073	h / 369	GV
P100	Casetón ascensor +35.07	34.89	2.69	0.0260	h / 104	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0260	h / 104	GV	0.0073	h / 369	GV
P101	Casetón ascensor +35.07	34.89	2.69	0.0258	h / 105	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0258	h / 105	GV	0.0073	h / 369	GV
P102	Casetón ascensor +35.07	34.89	2.69	0.0258	h / 105	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0258	h / 105	GV	0.0073	h / 369	GV
P103	Casetón ascensor +35.07	34.82	2.62	0.0007	h / 3743	GV	0.0042	h / 624	GV
	P. cubierta +32.30	32.20							
	Total		2.62	0.0007	h / 3743	GV	0.0042	h / 624	GV
P104	Casetón ascensor +35.07	34.82	2.62	0.0007	h / 3743	GV	0.0040	h / 655	GV
	P. cubierta +32.30	32.20							
	Total		2.62	0.0007	h / 3743	GV	0.0040	h / 655	GV
P105	Casetón ascensor +35.07	34.82	2.62	0.0007	h / 3743	GV	0.0042	h / 624	GV
	P. cubierta +32.30	32.20							
	Total		2.62	0.0007	h / 3743	GV	0.0042	h / 624	GV
P106	Casetón ascensor +35.07	34.82	2.62	0.0007	h / 3743	GV	0.0040	h / 655	GV
	P. cubierta +32.30	32.20							
	Total		2.62	0.0007	h / 3743	GV	0.0040	h / 655	GV
P107	Casetón ascensor +35.07	34.89	2.69	0.0301	h / 90	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0301	h / 90	GV	0.0072	h / 374	GV
P108	Casetón ascensor +35.07	34.89	2.69	0.0296	h / 91	GV	0.0075	h / 359	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0296	h / 91	GV	0.0075	h / 359	GV
P109	Casetón ascensor +35.07	34.89	2.69	0.0296	h / 91	GV	0.0072	h / 374	GV

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	P. cubierta +32.30	32.20							
	Total		2.69	0.0296	h / 91	GV	0.0072	h / 374	GV
P110	Casetón ascensor +35.07	34.89	2.69	0.0255	h / 106	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0255	h / 106	GV	0.0073	h / 369	GV
P111	Casetón ascensor +35.07	34.89	2.69	0.0252	h / 107	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0252	h / 107	GV	0.0072	h / 374	GV
P112	Casetón ascensor +35.07	34.89	2.69	0.0252	h / 107	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0252	h / 107	GV	0.0073	h / 369	GV
P113	Casetón ascensor +35.07	34.89	2.69	0.0256	h / 106	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0256	h / 106	GV	0.0073	h / 369	GV
P114	Casetón ascensor +35.07	34.89	2.69	0.0252	h / 107	GV	0.0073	h / 369	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0252	h / 107	GV	0.0073	h / 369	GV
P115	Casetón ascensor +35.07	34.89	2.69	0.0252	h / 107	GV	0.0072	h / 374	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0252	h / 107	GV	0.0072	h / 374	GV
P116	Casetón ascensor +35.07	34.89	2.69	0.0247	h / 109	GV	0.0074	h / 364	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0247	h / 109	GV	0.0074	h / 364	GV
P117	Casetón ascensor +35.07	34.89	2.69	0.0245	h / 110	GV	0.0074	h / 364	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0245	h / 110	GV	0.0074	h / 364	GV
P118	Casetón ascensor +35.07	34.89	2.69	0.0245	h / 110	GV	0.0074	h / 364	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0245	h / 110	GV	0.0074	h / 364	GV
P119	Casetón ascensor +35.07	34.85	2.65	0.0036	h / 737	GV	0.0035	h / 758	GV
	P. cubierta +32.30	32.20							
	Total		2.65	0.0036	h / 737	GV	0.0035	h / 758	GV
P121	P. cubierta +32.30	32.35	3.97	0.0006	h / 6625	GV	0.0024	h / 1657	GV
	P. séptima +28.70	28.38	3.60	0.0007	h / 5143	GV	0.0025	h / 1440	GV
	P. sexta +25.10	24.78	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.18	3.60	0.0011	h / 3273	GV	0.0026	h / 1385	GV
	P. cuarta +17.90	17.58	3.38	0.0012	h / 2813	GV	0.0027	h / 1250	GV
	P. tercera +14.30	14.20							
	Total		18.15	0.0045	h / 4034	GV	0.0128	h / 1418	GV
P122	P. cubierta +32.30	32.35	3.92	0.0006	h / 6542	GV	0.0023	h / 1707	GV
	P. séptima +28.70	28.43	3.60	0.0007	h / 5143	GV	0.0024	h / 1500	GV
	P. sexta +25.10	24.83	3.60	0.0009	h / 4000	GV	0.0026	h / 1385	GV
	P. quinta +21.50	21.23	3.60	0.0011	h / 3273	GV	0.0027	h / 1334	GV
	P. cuarta +17.90	17.63	3.43	0.0012	h / 2855	GV	0.0027	h / 1269	GV
	P. tercera +14.30	14.20							
	Total		18.15	0.0045	h / 4034	GV	0.0128	h / 1418	GV
P123	Placa solares +35.30	35.19	0.22	0.0006	h / 367	GV	0.0022	h / 100	GV
	Casetón ascensor +35.07	34.97	2.77	0.0041	h / 676	GV	0.0064	h / 433	GV
	P. cubierta +32.30	32.20							
	Total		2.99	0.0046	h / 650	GV	0.0050	h / 598	GV
P124	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0061	h / 455	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0050	h / 600	GV
P125	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0061	h / 455	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0049	h / 613	GV
P126	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0060	h / 462	GV
	P. cubierta +32.30	32.20							

# Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	Total		3.00	0.0046	h / 653	GV	0.0049	h / 613	GV
P127	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0060	h / 462	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0048	h / 625	GV
P128	Placa solares +35.30	35.20	0.23	0.0008	h / 288	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0038	h / 729	GV	0.0059	h / 470	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0047	h / 639	GV
P129	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0021	h / 110	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0058	h / 478	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0047	h / 639	GV
P130	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0058	h / 478	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0047	h / 639	GV
P131	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0059	h / 470	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0047	h / 639	GV
P132	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0059	h / 470	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0048	h / 625	GV
P133	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0061	h / 455	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0049	h / 613	GV
P134	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0061	h / 455	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0050	h / 600	GV
P135	Placa solares +35.30	35.20	0.23	0.0006	h / 384	GV	0.0020	h / 115	GV
	Casetón ascensor +35.07	34.97	2.77	0.0040	h / 693	GV	0.0062	h / 447	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0051	h / 589	GV
P136	Placa solares +35.30	35.20	0.23	0.0007	h / 329	GV	0.0016	h / 144	GV
	Casetón ascensor +35.07	34.97	2.77	0.0039	h / 711	GV	0.0059	h / 470	GV
	P. cubierta +32.30	32.20							
	Total		3.00	0.0046	h / 653	GV	0.0052	h / 577	GV
P137	Casetón ascensor +35.07	34.89	2.69	0.0036	h / 748	GV	0.0037	h / 728	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0036	h / 748	GV	0.0037	h / 728	GV
P138	Casetón ascensor +35.07	34.85	2.65	0.0034	h / 780	GV	0.0035	h / 758	GV
	P. cubierta +32.30	32.20							
	Total		2.65	0.0034	h / 780	GV	0.0035	h / 758	GV
P139	Casetón ascensor +35.07	34.89	2.69	0.0034	h / 792	GV	0.0037	h / 728	GV
	P. cubierta +32.30	32.20							
	Total		2.69	0.0034	h / 792	GV	0.0037	h / 728	GV
M1	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M2	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M3	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M5	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							

## Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha: 20/06/23

Juzgados de Móstoles

Situaciones persistentes o transitorias									
Pilar	Planta	Cota (m)	h (m)	Distorsión X			Distorsión Y		
				Absoluta (m)	Relativa	Origen	Absoluta (m)	Relativa	Origen
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M6	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M8	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M11	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M13	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M14	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV
M16	P. Baja +0.00	-0.10	3.50	0.0000	----	GV	0.0001	----	GV
	Sótano -3.80	-3.60							
	Total		3.50	0.0000	----	GV	0.0001	----	GV

Los valores indicados tienen en cuenta los factores de desplazamientos definidos para los efectos multiplicadores de segundo orden.

### Valores máximos

Desplome local máximo de los pilares ( $\delta / h$ )		
Planta	Situaciones persistentes o transitorias	
	Dirección X	Dirección Y
Placa solares +35.30	1 / 105 (P45)	1 / 66 (P35)
Casetón ascensor +35.07	1 / 90 (P23a, P107)	1 / 359 (P23a, P108)
P. cubierta +32.30	1 / 6000 (P1, ...)	1 / 1385 (P1, ...)
P. séptima +28.70	1 / 5143 (P1, ...)	1 / 1242 (P15, ...)
P. sexta +25.10	1 / 4000 (P1, ...)	1 / 924 (P16, ...)
P. quinta +21.50	1 / 3273 (P1, ...)	1 / 800 (P16, ...)
P. cuarta +17.90	1 / 2813 (P121)	1 / 720 (P16, ...)
P. tercera +14.30	1 / 2770 (P1, ...)	1 / 750 (P16, ...)
P. segunda +10.70	1 / 2432 (P1, ...)	1 / 680 (P80, P96a)
P. primera +5.35	1 / 3822 (P1, ...)	1 / 1044 (P96a)
P. Baja +0.00	----	----

Desplome total máximo de los pilares ( $\Delta / H$ )	
Situaciones persistentes o transitorias	
Dirección X	Dirección Y
1 / 90 (P23a, P107)	1 / 359 (P23a, P108)

Los valores indicados tienen en cuenta los factores de desplazamientos definidos para los efectos multiplicadores de segundo orden.

Desplome local máximo de los muros ( $\delta / h$ )		
Planta	Situaciones persistentes o transitorias	
	Dirección X	Dirección Y
P. Baja +0.00	----	----

## Distorsiones de pilares, pantallas y muros

Nombre Obra: Juzgados Mostoles\_v4.1.7.1

Fecha:20/06/23

Juzgados de Móstoles

Desplome total máximo de los muros ( $\Delta$ / H)	
Situaciones persistentes o transitorias	
Dirección X	Dirección Y
----	----

Los valores indicados tienen en cuenta los factores de desplazamientos definidos para los efectos multiplicadores de segundo orden.