

CALCULO DE PLACA DE ANCLAJE SIN RIGIDIZADOR. PERFIL []. (CTE SE-A)

PROYECTO CENTRO SALUD VALDEBEBAS

PLACA PH.0

ESFUERZOS

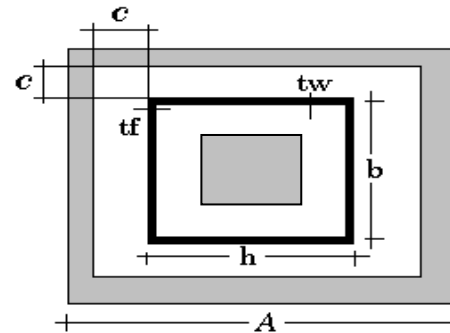
Nd [Tn]	0
Md [Tn.m]	0.7

M/N [m]
0.00

MATERIALES

Hormigón (N/mm ²)	25
Placa (N/mm ²)	275
Pernos (N/mm ²)	500

CORRUG.



DIM. BASE DE HORMIGÓN

Ancho (dir.A) [cm]	25
Alto (dir.B) [cm]	25
Canto [cm]	35
Posición Placa	CENTRADA

A1 [cm]
25
kj
1.0

B1 [cm]
25
fjd [N/mm ²]
11.1

DIM. PLACA Y PILAR

A [cm]	25
B [cm]	25
h [cm]	10
b [cm]	10
tf [cm]	0.3
tw [cm]	0.3
esp. placa [cm]	1
garg. sold. [mm]	2.1

C [cm]
2.80
Aef. [cm]
15.6

sup. [cm ²]
229.2
Bef. [cm]
15.6

y / sup.comp.
6.2
96.1

σ_c [N/mm ²]
5.9
0.0

PERNOS

Numero (1 lado)	2
Diámetro [mm]	12
Dist. al borde [cm]	5
Patilla	NO
Long. neta [cm]	15
garg. sold. [mm]	6

Bef [cm]
12.50
m [cm]
2.26
τ_{adh} [N/mm ²]
5.00

Nperno [Tn]
2.80
Nmax1 [Tn]
5.01
Nmax2 [Tn]
4.42

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PLACA PH.1

ESFUERZOS

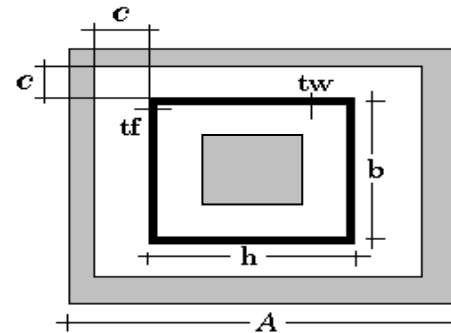
Nd [Tn]	51
Md [Tn.m]	0.5

M/N [m]
0.01

MATERIALES

Hormigón (N/mm ²)	25
Placa (N/mm ²)	275
Pernos (N/mm ²)	500

CORRUG.



DIM. BASE DE HORMIGÓN

Ancho (dir.A) [cm]	30
Alto (dir.B) [cm]	30
Canto [cm]	35
Posición Placa	CENTRADA

A1 [cm]
30
kj
1.0

B1 [cm]
30
fjd [N/mm ²]
11.1

DIM. PLACA Y PILAR

A [cm]	30
B [cm]	30
h [cm]	16
b [cm]	13
tf [cm]	1
tw [cm]	1
esp. placa [cm]	1.5
garg. sold. [mm]	7

C [cm]
4.20
Aef. [cm]
24.4

sup. [cm ²]
508.1
Bef. [cm]
21.4

y / sup.comp.
50.3
508.1

σ_c [N/mm ²]
10.8
10.8

PERNOS

Numero (1 lado)	2
Diámetro [mm]	16
Dist. al borde [cm]	5
Patilla	NO
Long. neta [cm]	16
garg. sold. [mm]	8

Bef [cm]
7.59
m [cm]
1.21
τ_{adh} [N/mm ²]
5.00

Nperno [Tn]
1.39
Nmax1 [Tn]
8.91
Nmax2 [Tn]
9.14

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PROYECTO CENTRO SALUD VALDEBEBAS

PLACA PH.2

ESFUERZOS

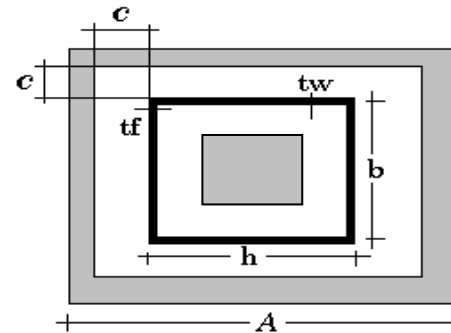
Nd [Tn]	103
Md [Tn.m]	1.5

M/N [m]
0.01

MATERIALES

Hormigón (N/mm ²)	25
Placa (N/mm ²)	275
Pernos (N/mm ²)	500

CORRUG.



DIM. BASE DE HORMIGÓN

Ancho (dir.A) [cm]	50
Alto (dir.B) [cm]	50
Canto [cm]	35
Posición Placa	CENTRADA

A1 [cm]
50
kj
1.4

B1 [cm]
50
fjd [N/mm ²]
15.9

DIM. PLACA Y PILAR

A [cm]	35
B [cm]	35
h [cm]	22
b [cm]	16
tf [cm]	1
tw [cm]	1
esp. placa [cm]	2
garg. sold. [mm]	7

C [cm]
4.69
Aef. [cm]
31.4

sup. [cm ²]
747.4
Bef. [cm]
25.4

y / sup.comp.
57.6
747.4

σ_c [N/mm ²]
15.1
15.1

PERNOS

Numero (1 lado)	2
Diámetro [mm]	20
Dist. al borde [cm]	5
Patilla	NO
Long. neta [cm]	20
garg. sold. [mm]	10

Bef [cm]
--
m [cm]
--
τ_{adh} [N/mm ²]
4.17

Nperno [Tn]
3.19
Nmax1 [Tn]
13.92
Nmax2 [Tn]
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CALCULO DE PLACA DE ANCLAJE SIN RIGIDIZADOR. PERFIL []. (CTE SE-A)

PROYECTO CENTRO SALUD VALDEBEBAS

PLACA PH.3

ESFUERZOS

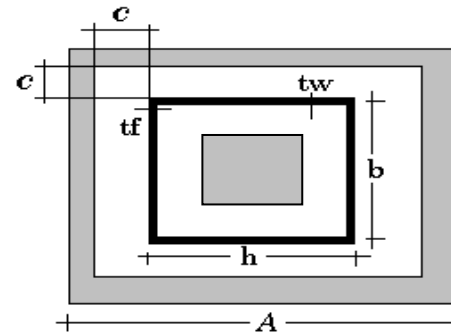
Nd [Tn]	175
Md [Tn.m]	3.5

M/N [m]	0.02
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MATERIALES

Hormigón (N/mm ²)	25
Placa (N/mm ²)	275
Pernos (N/mm ²)	500

CORRUG.



DIM. BASE DE HORMIGÓN

Ancho (dir.A) [cm]	90
Alto (dir.B) [cm]	90
Canto [cm]	35
Posición Placa	CENTRADA

A1 [cm]	75
kj	1.9

B1 [cm]	75
fjd [N/mm ²]	20.8

DIM. PLACA Y PILAR

A [cm]	40
B [cm]	40
h [cm]	28
b [cm]	19
tf [cm]	2
tw [cm]	1.5
esp. placa [cm]	2.5
garg. sold. [mm]	10.5

C [cm]	5.12
Aef. [cm]	38.2

sup. [cm ²]	1038.5
Bef. [cm]	29.2

y / sup.comp.	64.0
	1038.5

σ_c [N/mm ²]	18.7
	18.7

PERNOS

Numero (1 lado)	3
Diámetro [mm]	20
Dist. al borde [cm]	5
Patilla	NO
Long. neta [cm]	20
garg. sold. [mm]	10

Bef [cm]	--
m [cm]	--
τ_{adh} [N/mm ²]	4.17

Nperno [Tn]	4.02
Nmax1 [Tn]	13.92
Nmax2 [Tn]	--