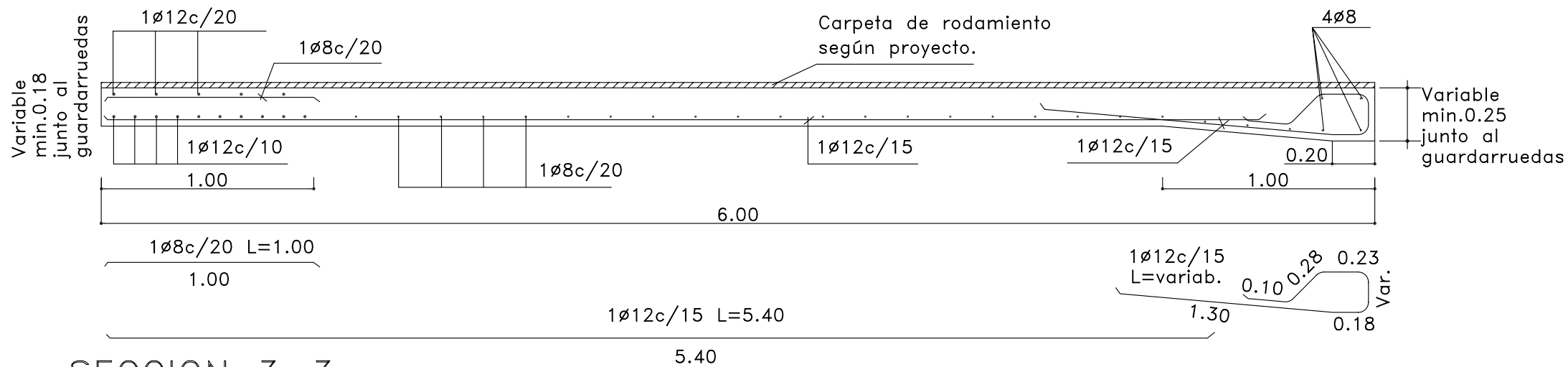
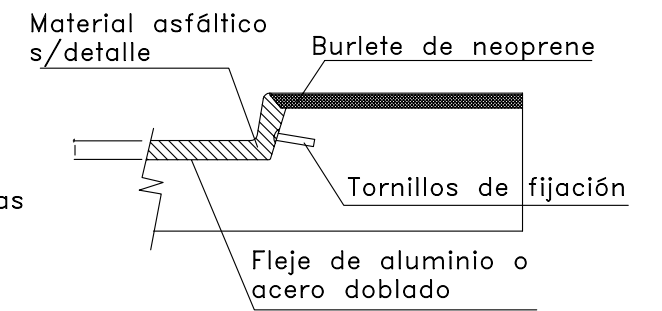


SECCION 2-2

ESCALA 1:25



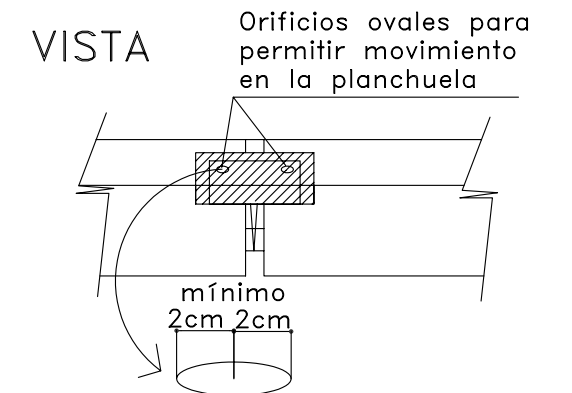
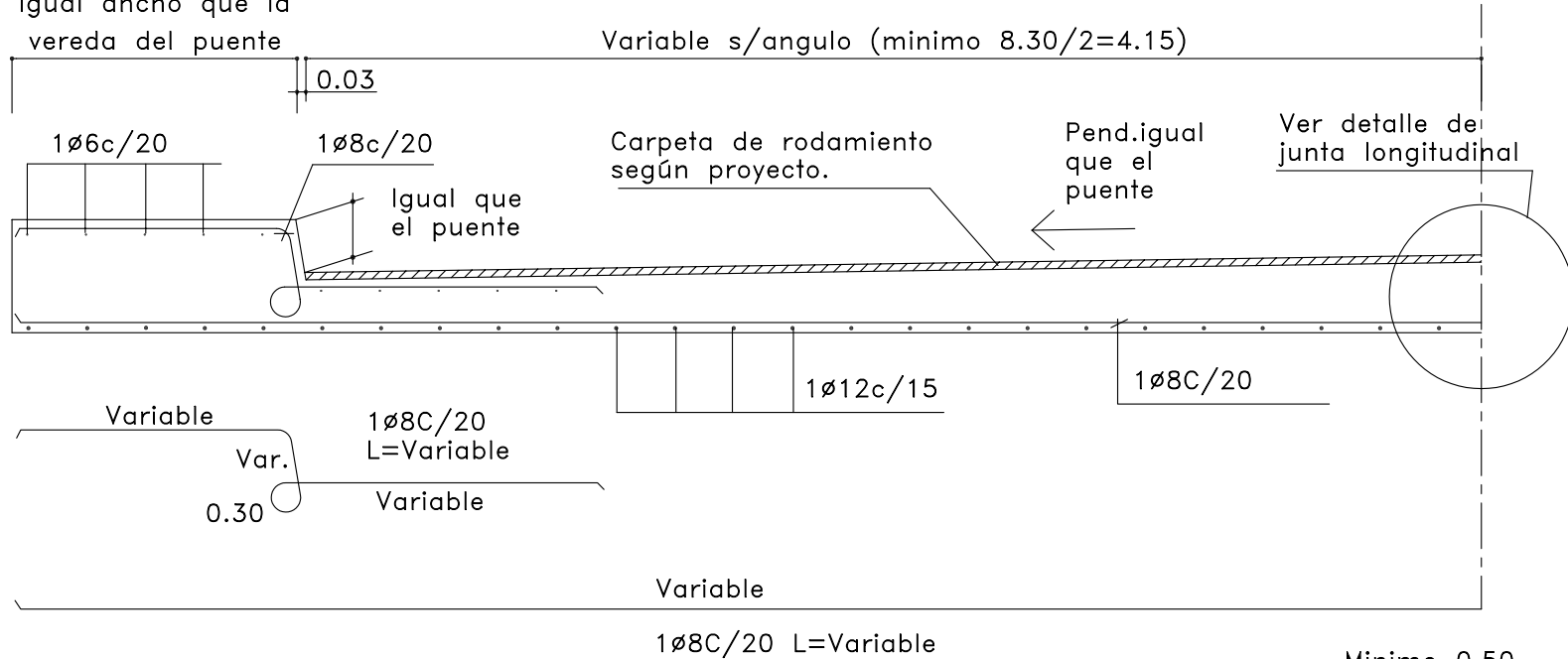
JUNTA DILATACION EN CUNETA Y VEREDA DETALLE "B"



SECCION 3-3

ESCALA 1:25

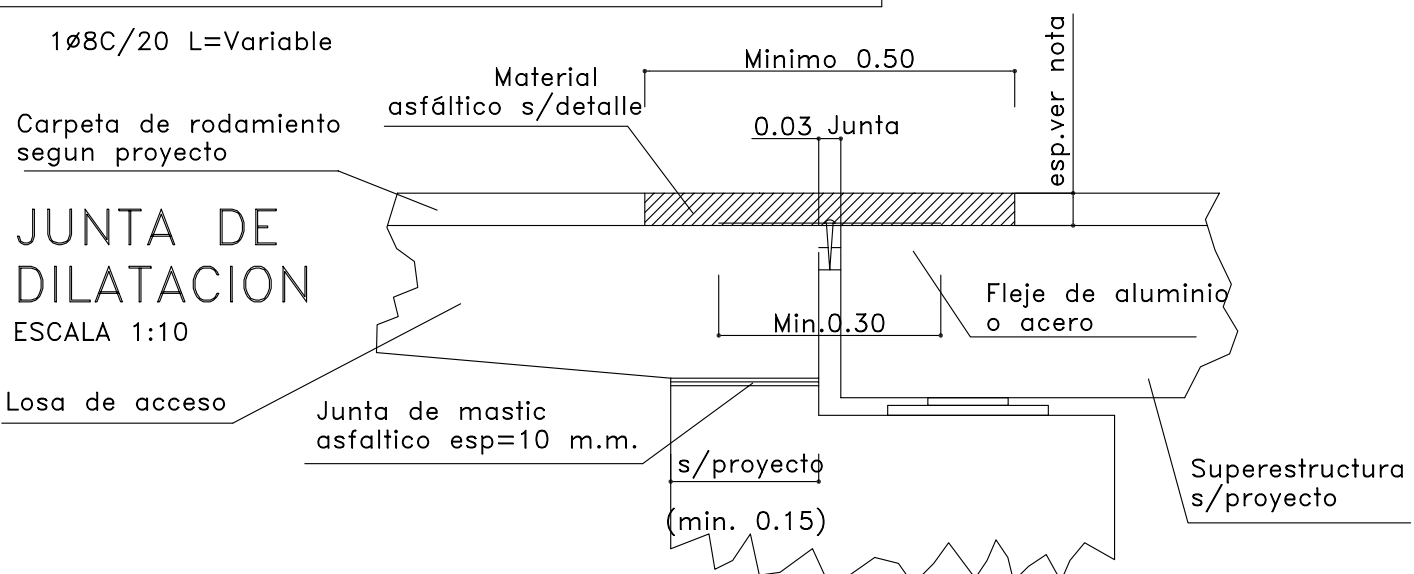
Igual ancho que la vereda del puente



Carpeta de rodamiento según proyecto

JUNTA DE DILATACION

ESCALA 1:10



COMPUTOS PARA UNA LOSA DE ACCESO DE 6.00 m. DE LONGITUD- 8.30 m. DE ANCHO DE CALZADA Y 1.00 m. DE VEREDAS

HORMIGON H-25=250 MPa	15.22m ³
ACERO	
Ø12	480.33 Kg.
Ø8	427.83 Kg.
Ø6	15.84 Kg.
	924.00 KG

EL TERRENO DE BASE DE LA LOSA DE ACCESO SE COMPACTARA EN EL ESPESOR DE TERRAPLEN POR CAPAS DE 0.20 m.

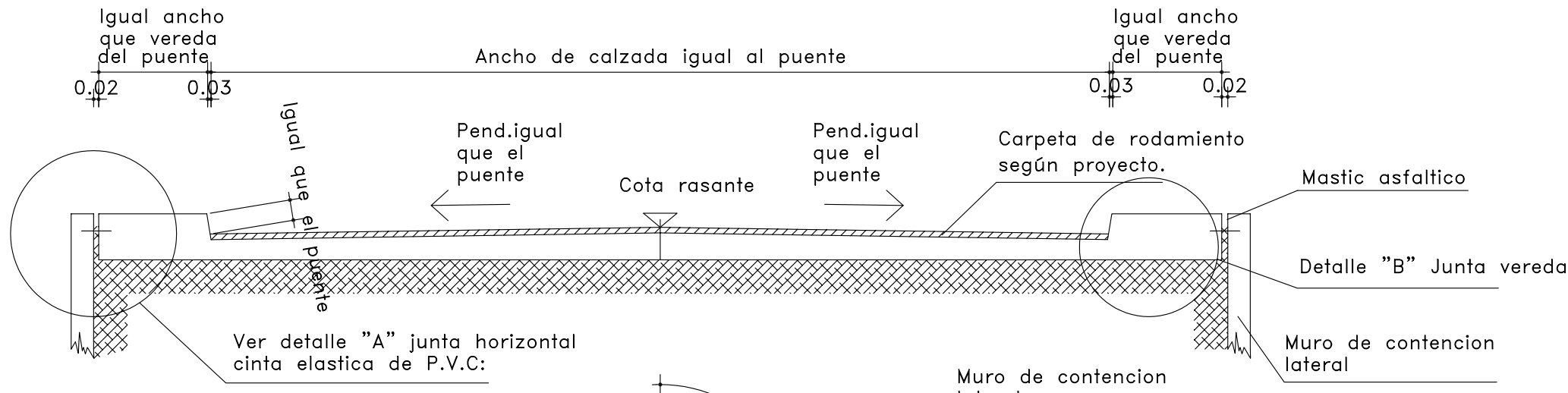
ACERO ADN 420:fy 420 MPa
HORMIGON H-25:f'c 25MPa

NOTAS:
En puentes de varios tramos la junta de dilatación entre los mismos se construirá analógicamente a la indicada en este detalle.



SECCION TRANSVERSAL 1-1

ESCALA 1:50

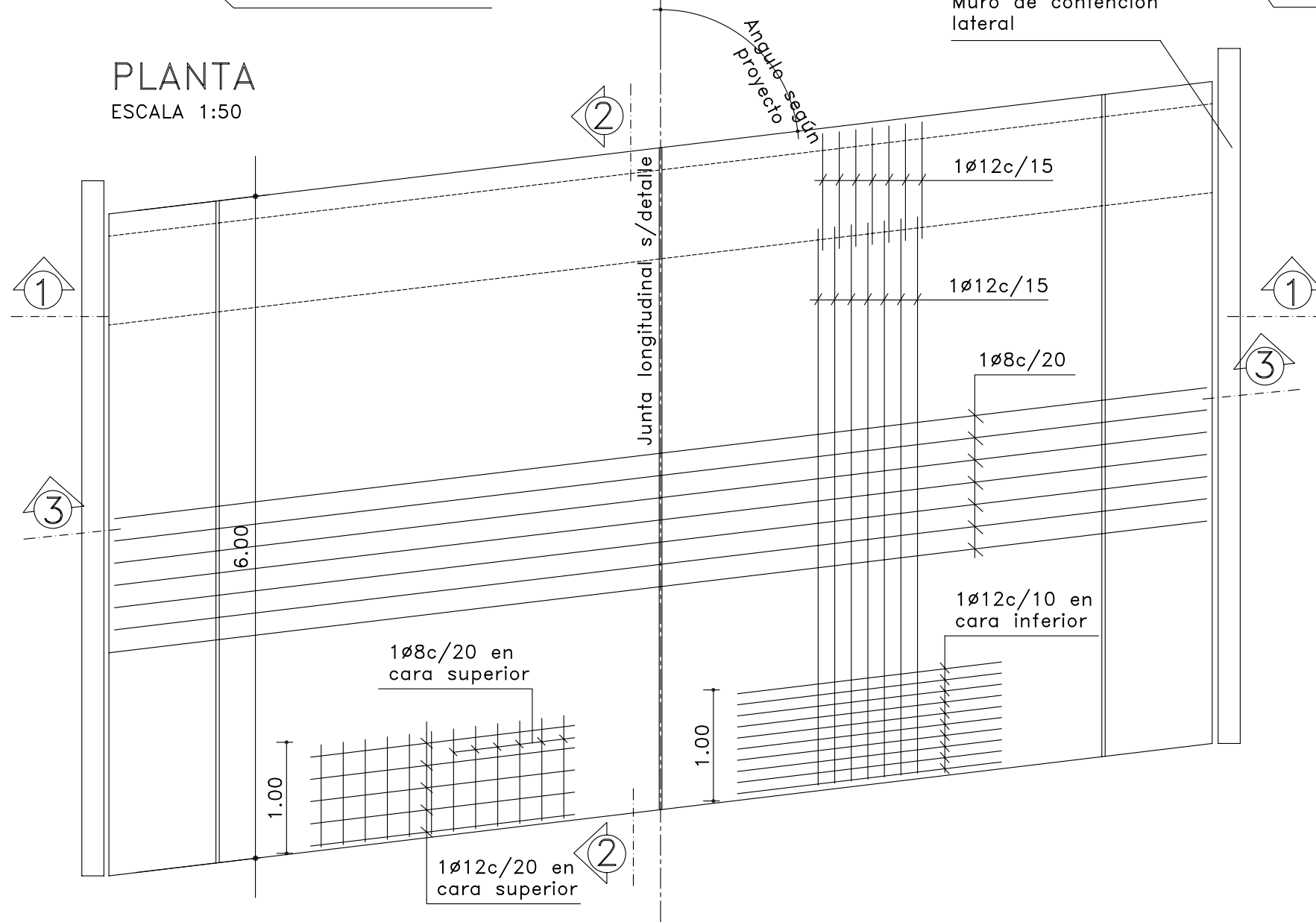


COMPUTOS PARA UNA LOSA DE ACCESO DE 6.00 m. DE LONGITUD- 8.30 m. DE ANCHO DE CALZADA Y 1.00 m. DE VEREDAS

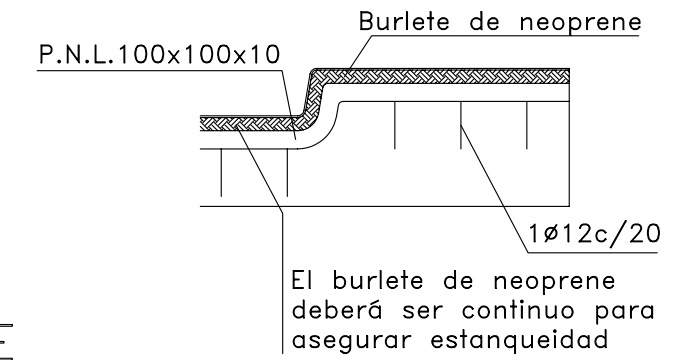
HORMIGON H-25:f'c 25MPa	15.22m ³
ACERO	
Ø12	480.33 Kg.
Ø8	427.83 Kg.
Ø6	15.84 Kg.
	924.00 KG

PLANTA

ESCALA 1:50

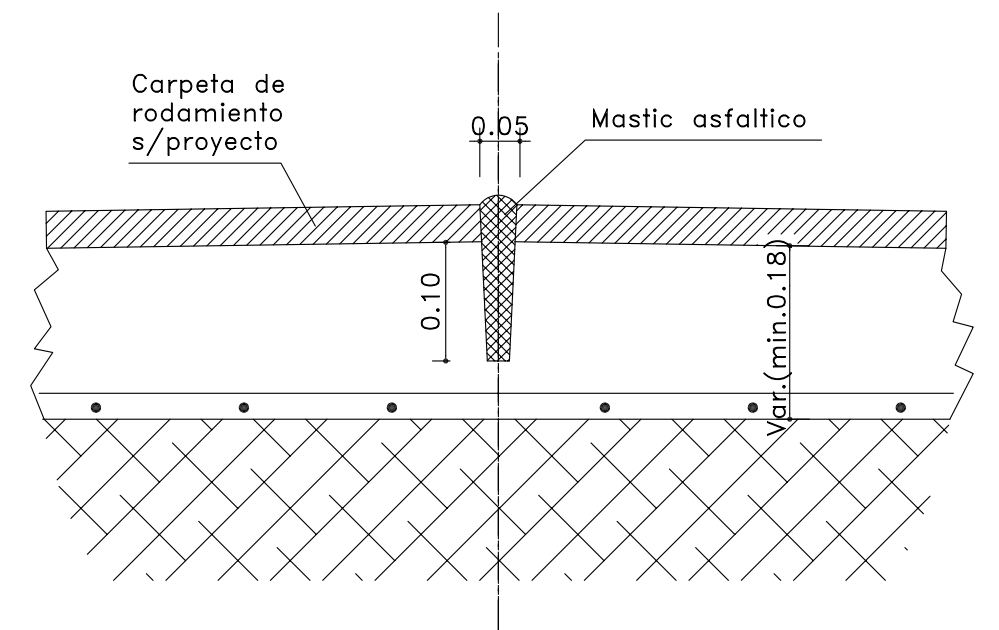


JUNTA DILATACION EN CUNETA Y VEREDA DETALLE "B"



DETALLE JUNTA LONGITUDINAL

ESCALA 1:10

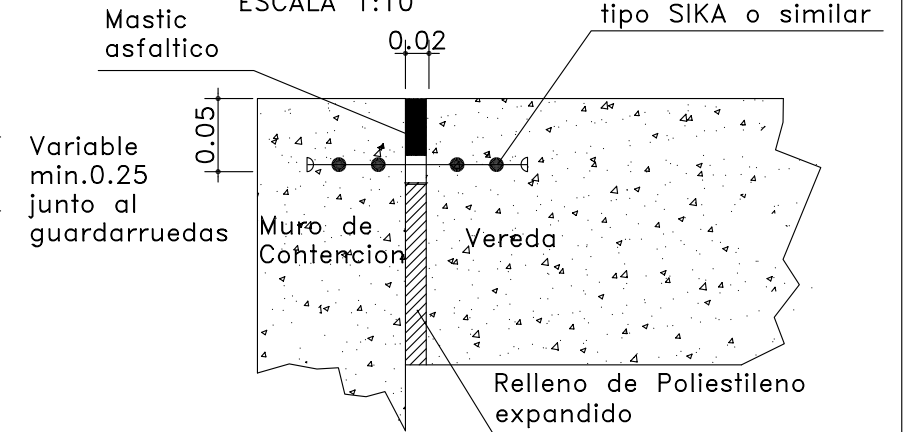


JUNTA HORIZONTAL

DETALLE "A"

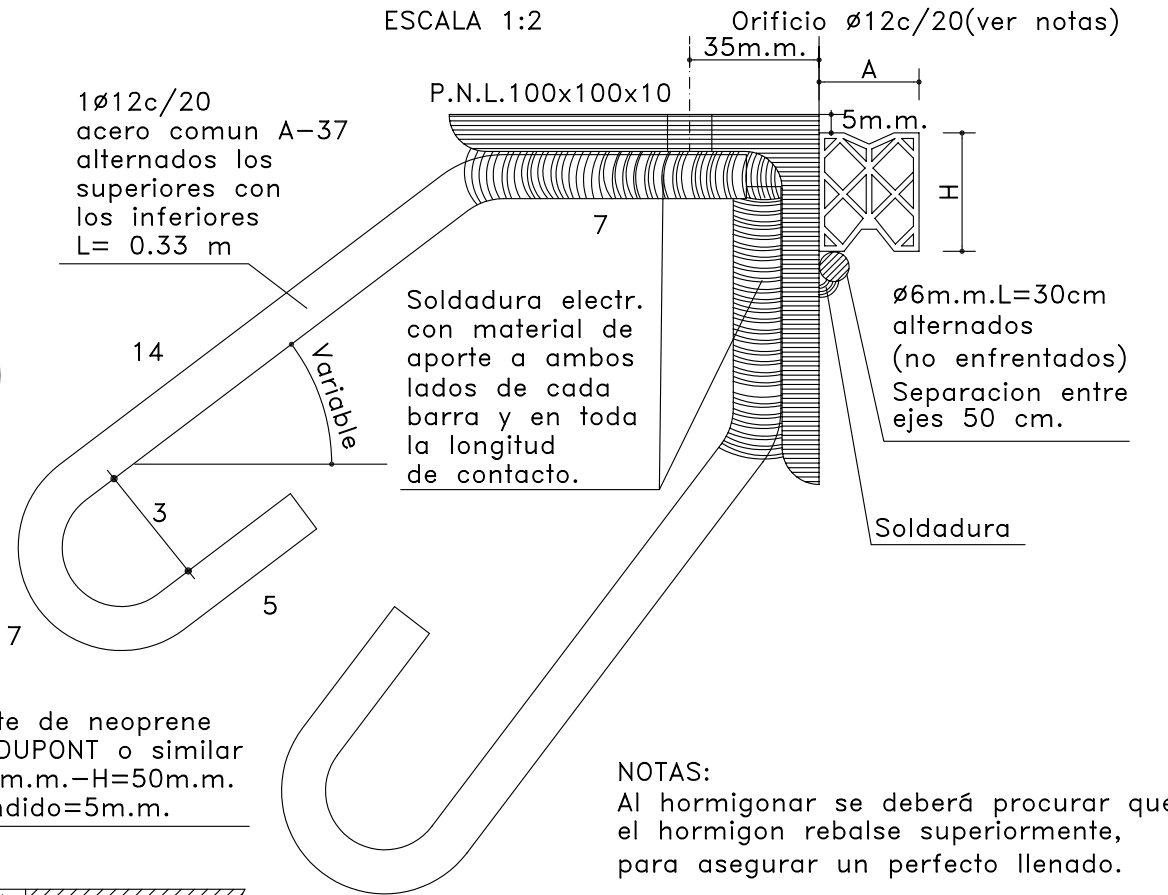
ESCALA 1:10

Cinta elastica de P.V.C. 1-22 tipo SIKA o similar



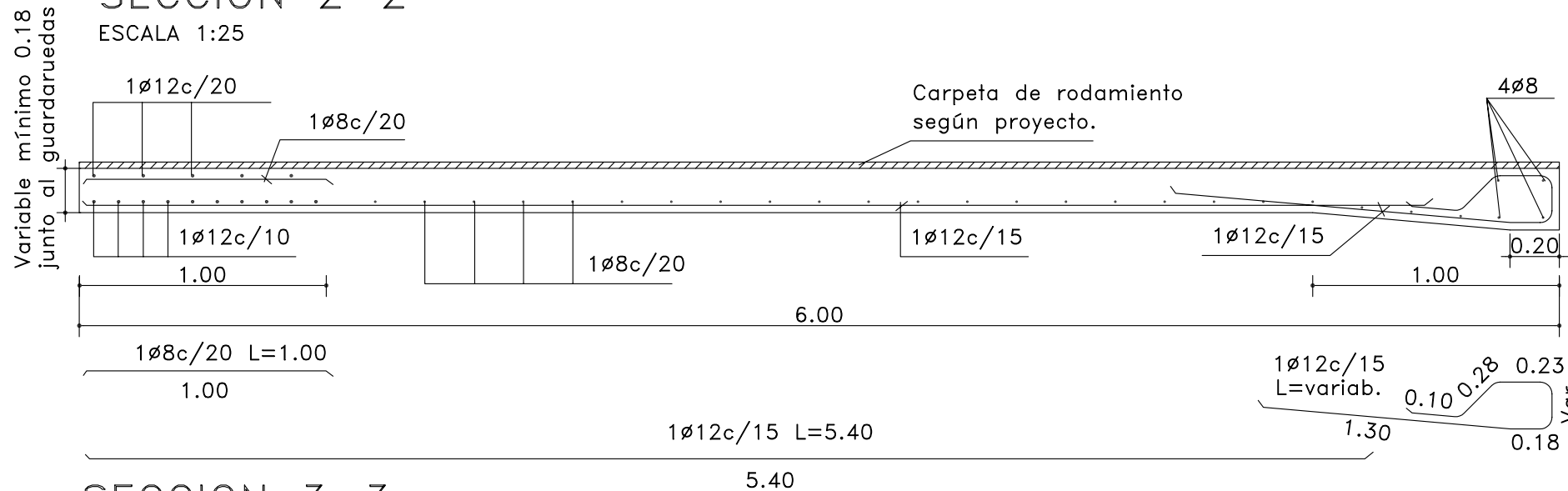
DETALLE JUNTA DE DILATACION

ESCALA 1:2



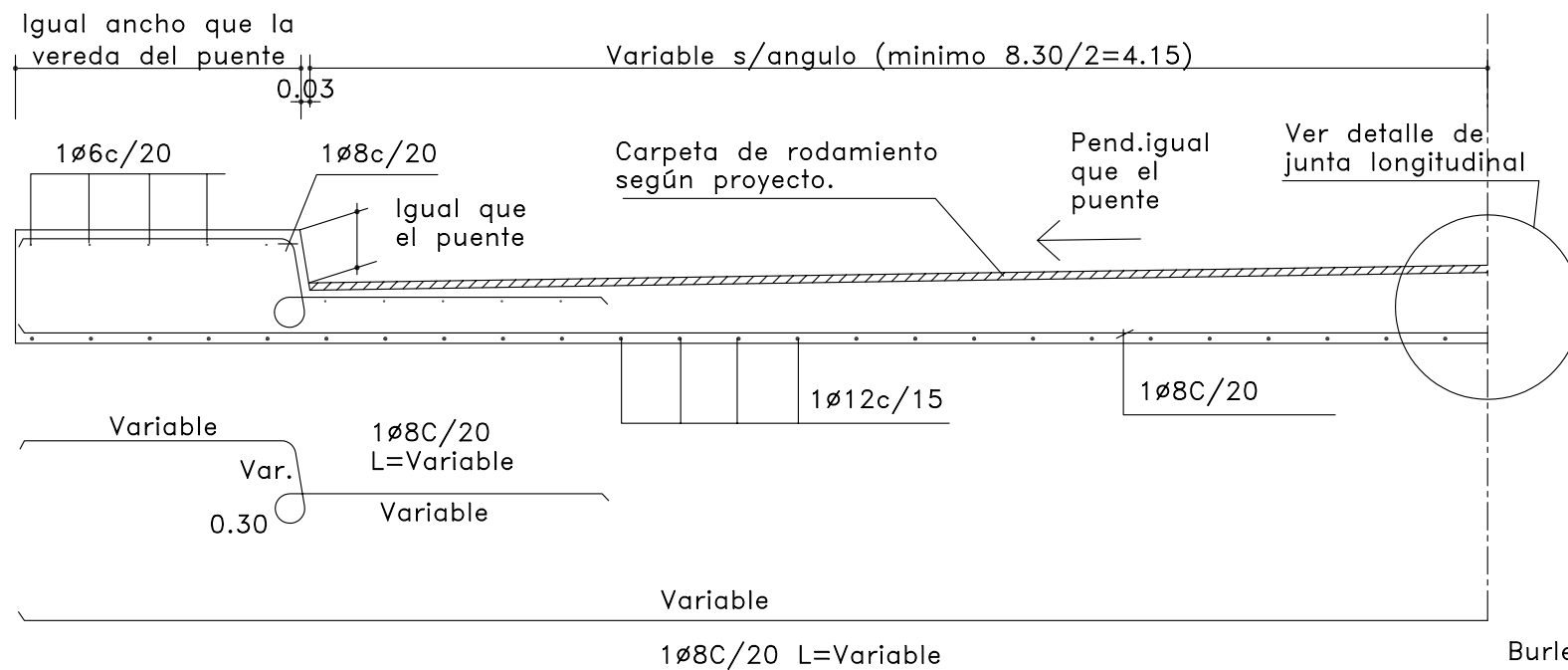
SECCION 2-2

ESCALA 1:25



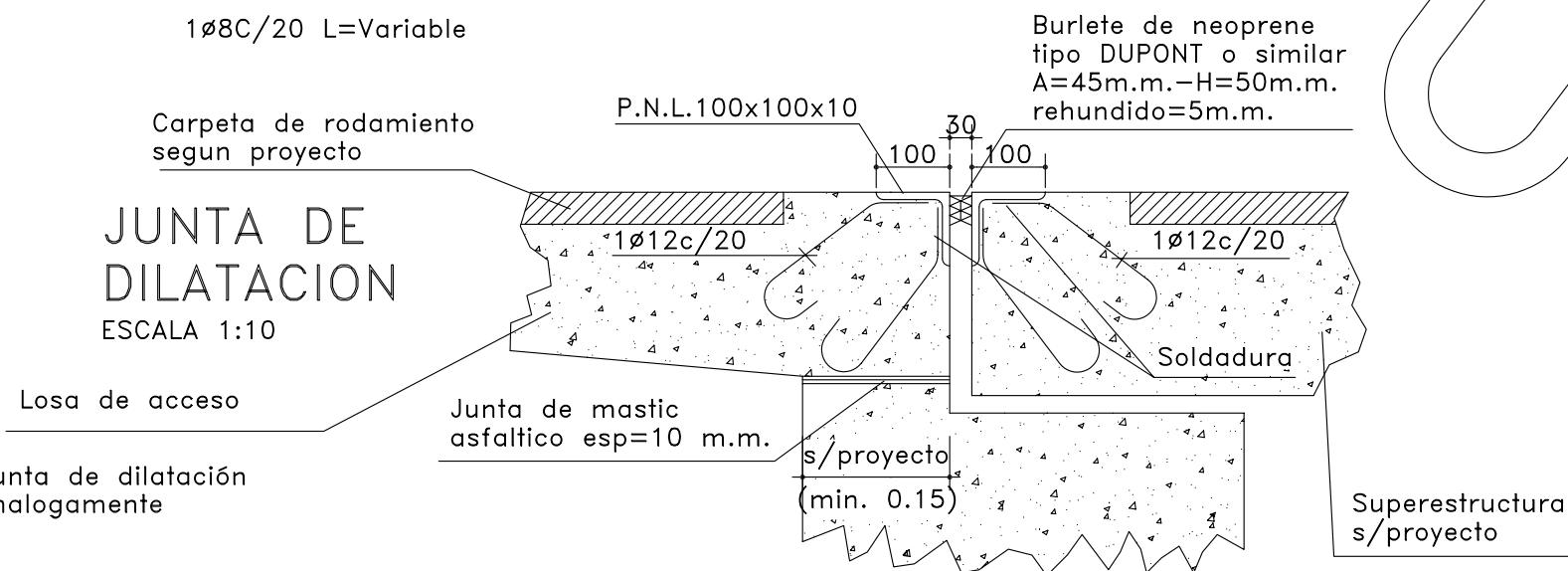
SECCION 3-3

ESCALA 1:25



JUNTA DE DILATACION

ESCALA 1:10



NOTAS:

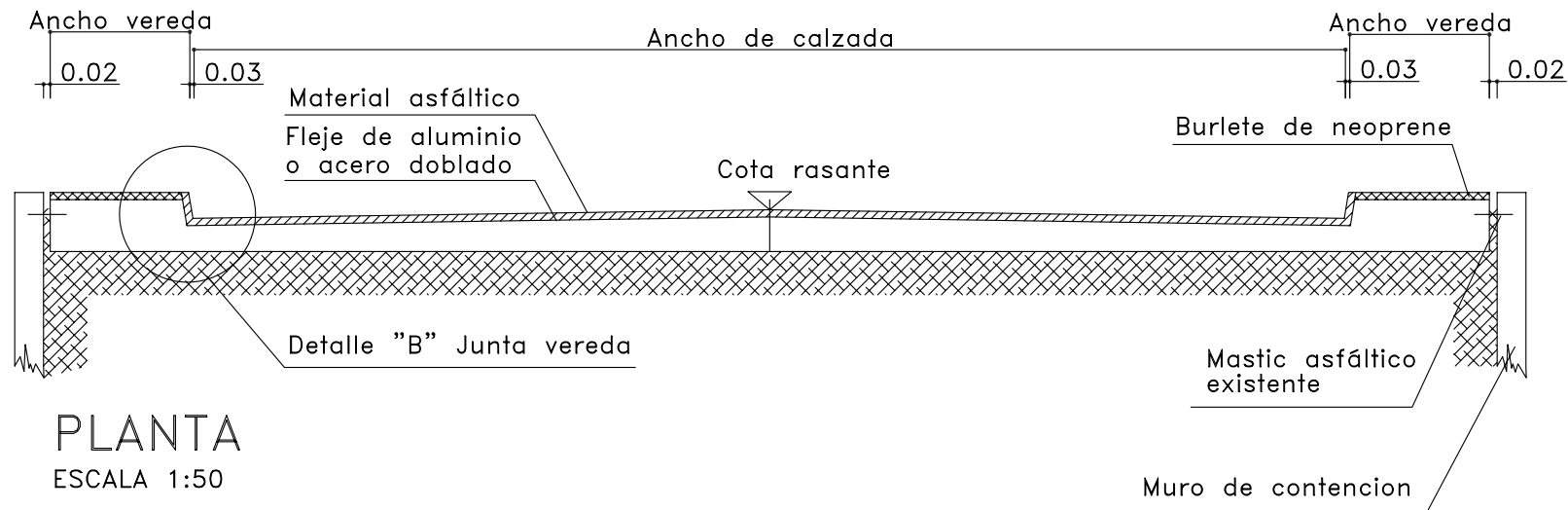
En puentes de varios tramos la junta de dilatación entre los mismos se construirá analogamente a la indicada en este detalle.

EL TERRENO DE BASE DE LA LOSA DE ACCESO SE COMPACTARA EN EL ESPESOR DE TERRAPLEN POR CAPAS DE 0.20 m.
ACERO ADN 420:fy 420 MPa
HORMIGON H-25:f'c 25MPa



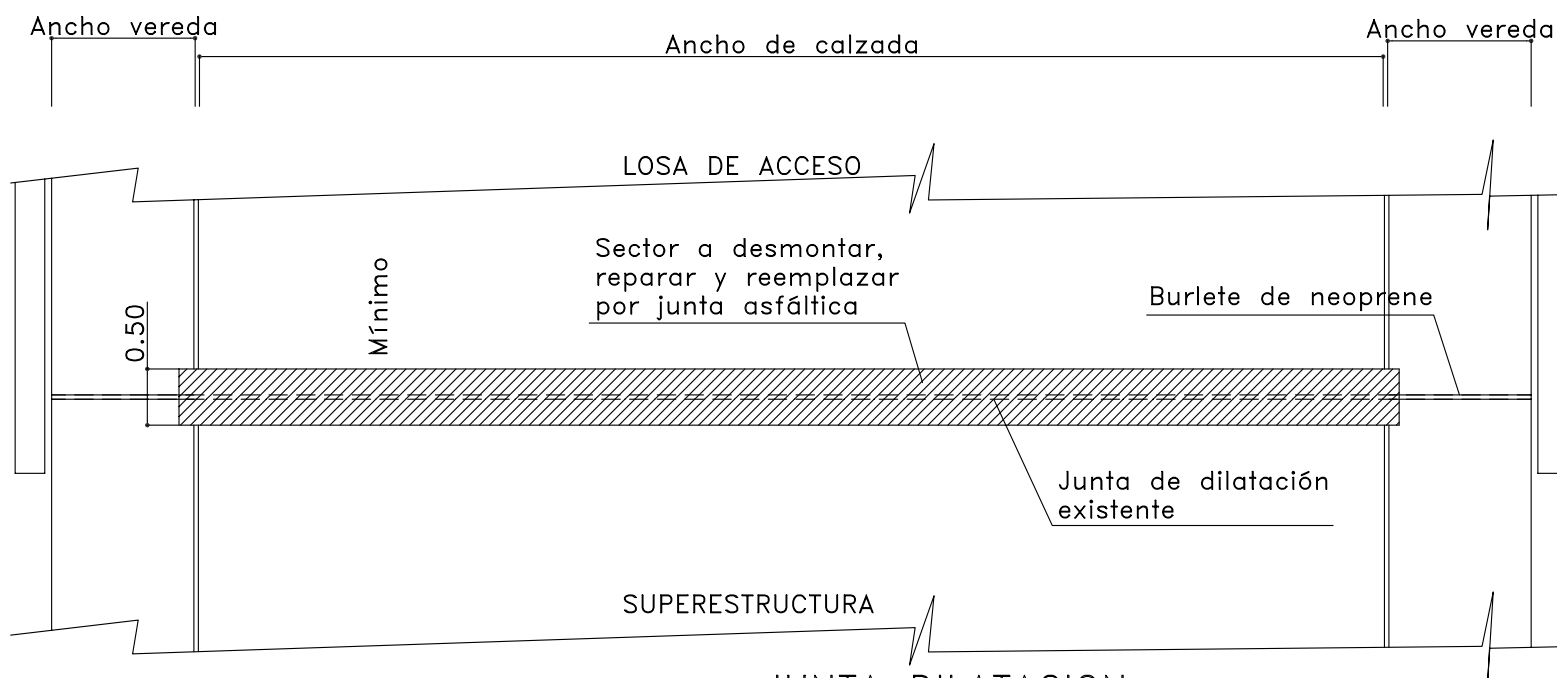
SECCION TRANSVERSAL 1-1

ESCALA 1:50



PLANTA

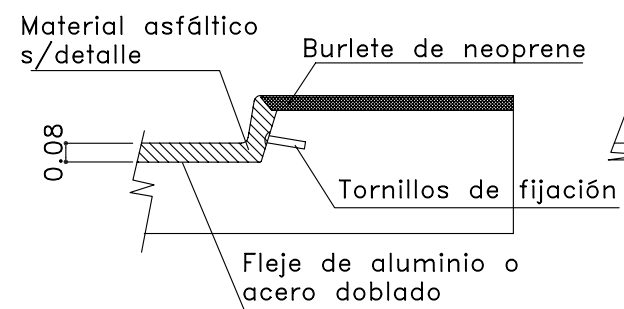
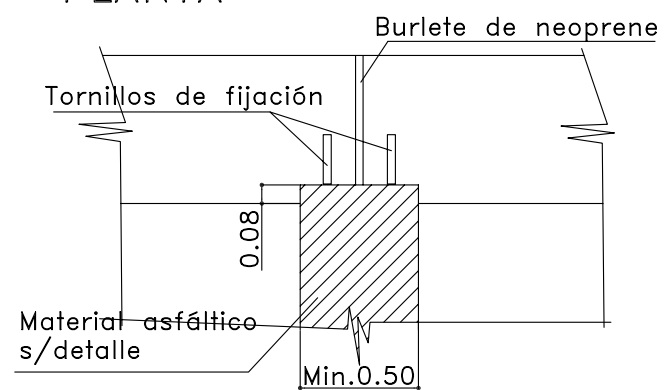
ESCALA 1:50



JUNTA DILATACION EN CUNETA Y VEREDA DETALLE "B"

CORTE

VISTA

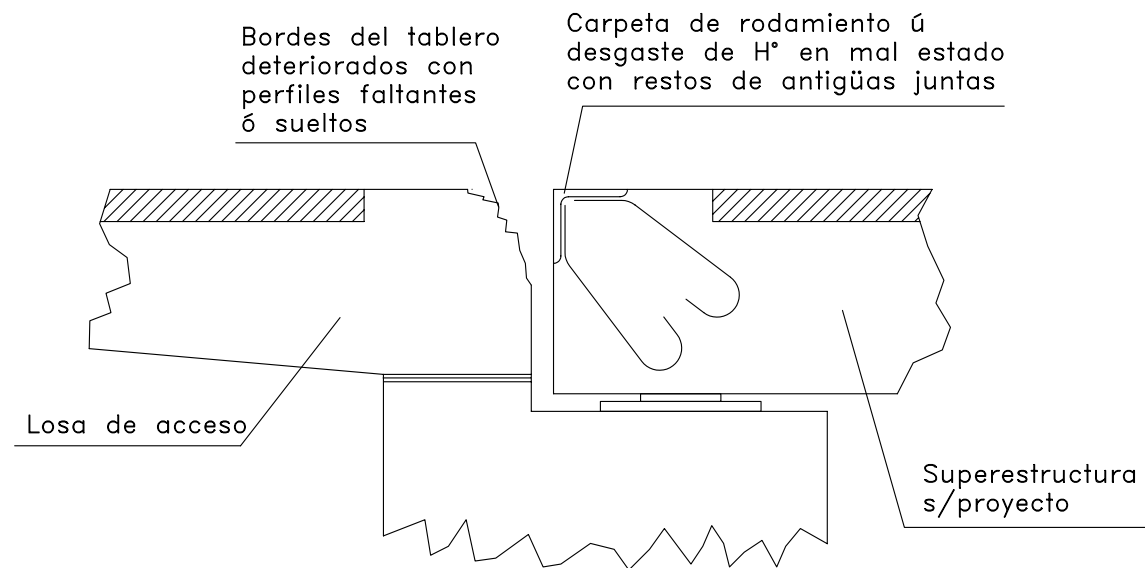


Orificios ovales para permitir movimiento en la planchuela

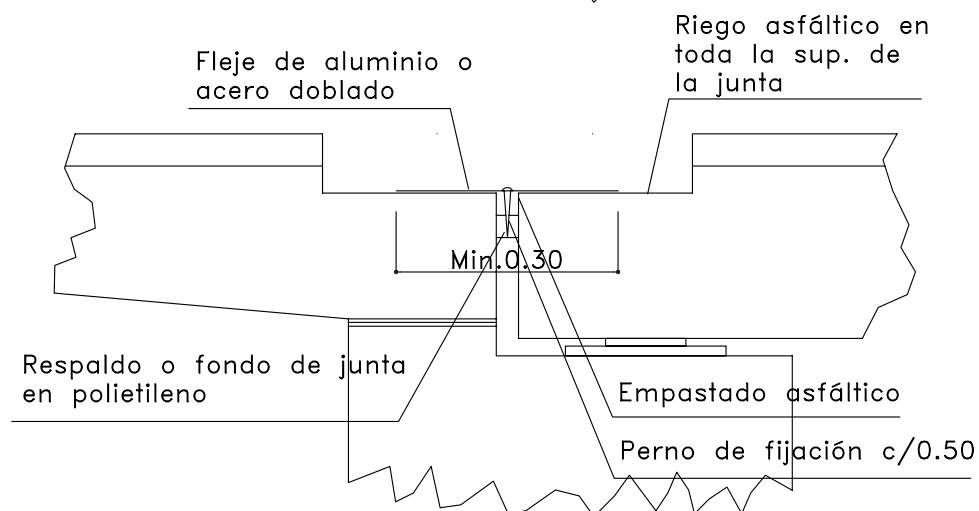
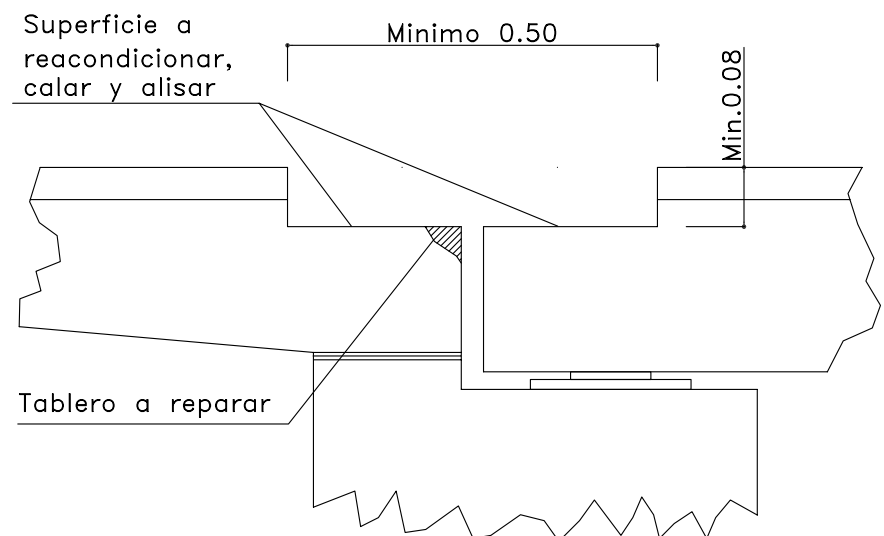


JUNTA DE DILATACIÓN ESQUEMÁTICA EXISTENTE

ESCALA 1:10



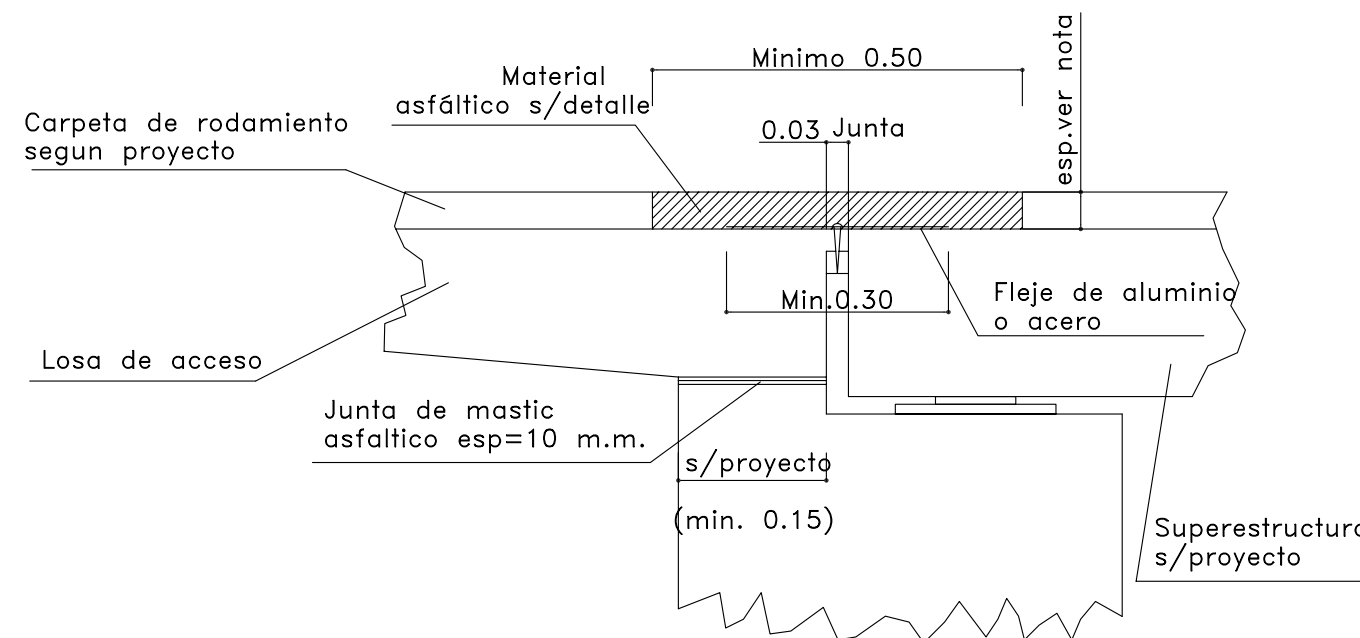
Ancho variable en función del estado del recubrimiento, mínimo 500mm, máx.750mm



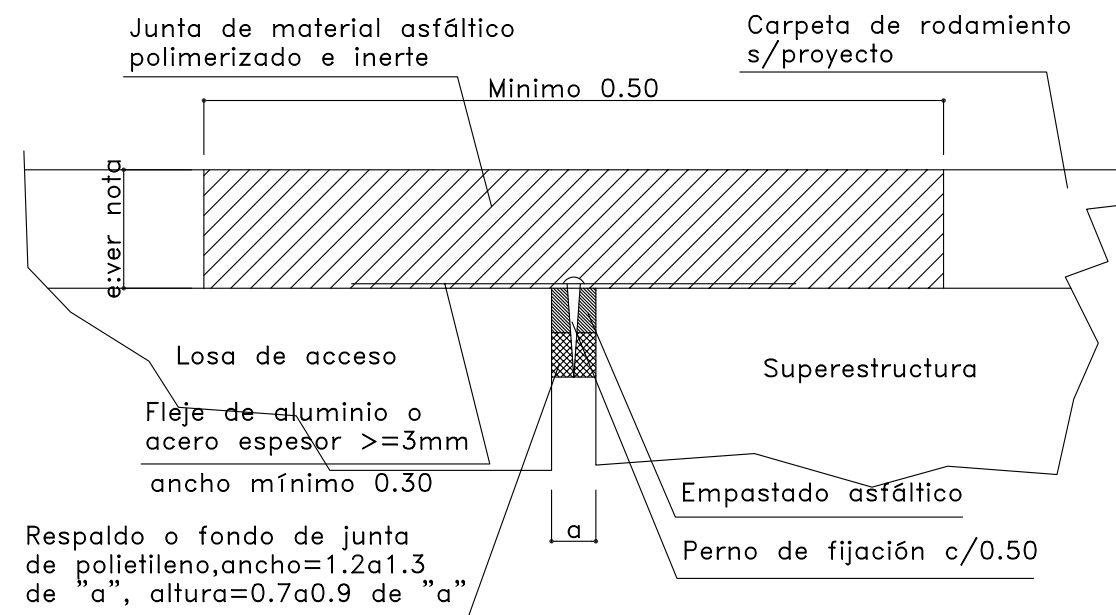
JUNTA DE DILATACION

ESCALA 1:10

Nota espesor asfalto:El espesor será igual al de la carpeta de desgaste pero no menor a 5cm. ni mayor a 8cm

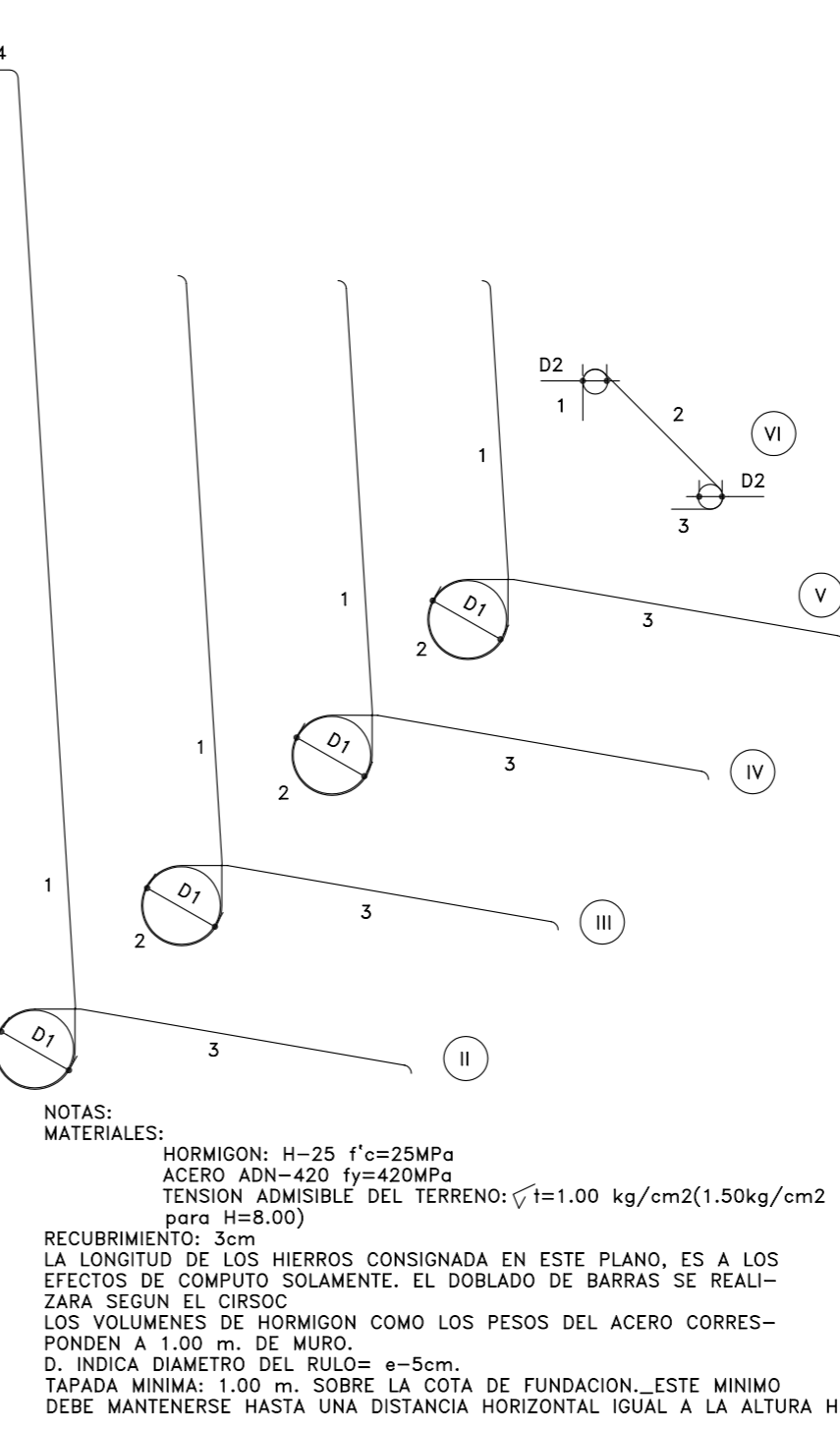
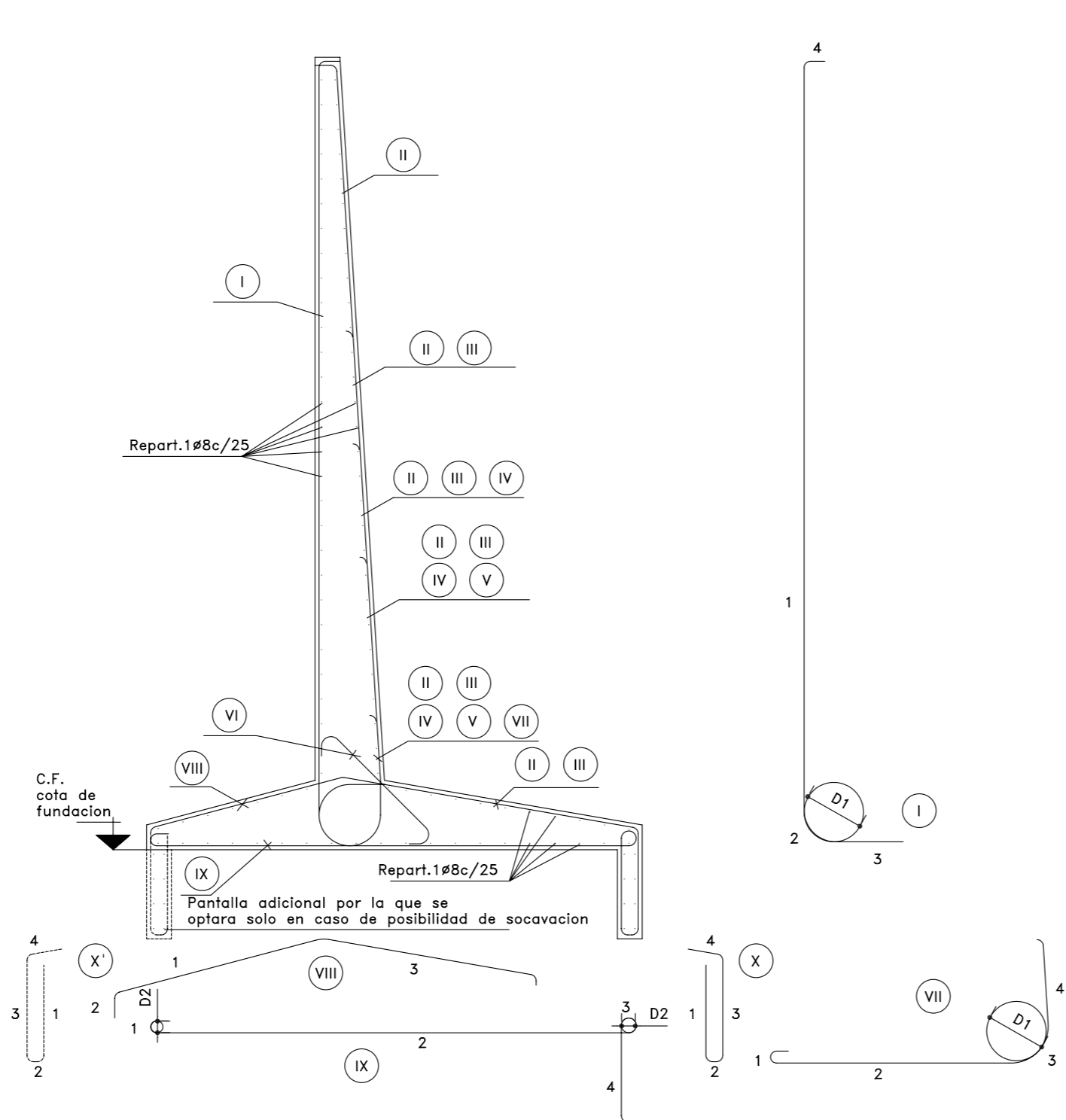
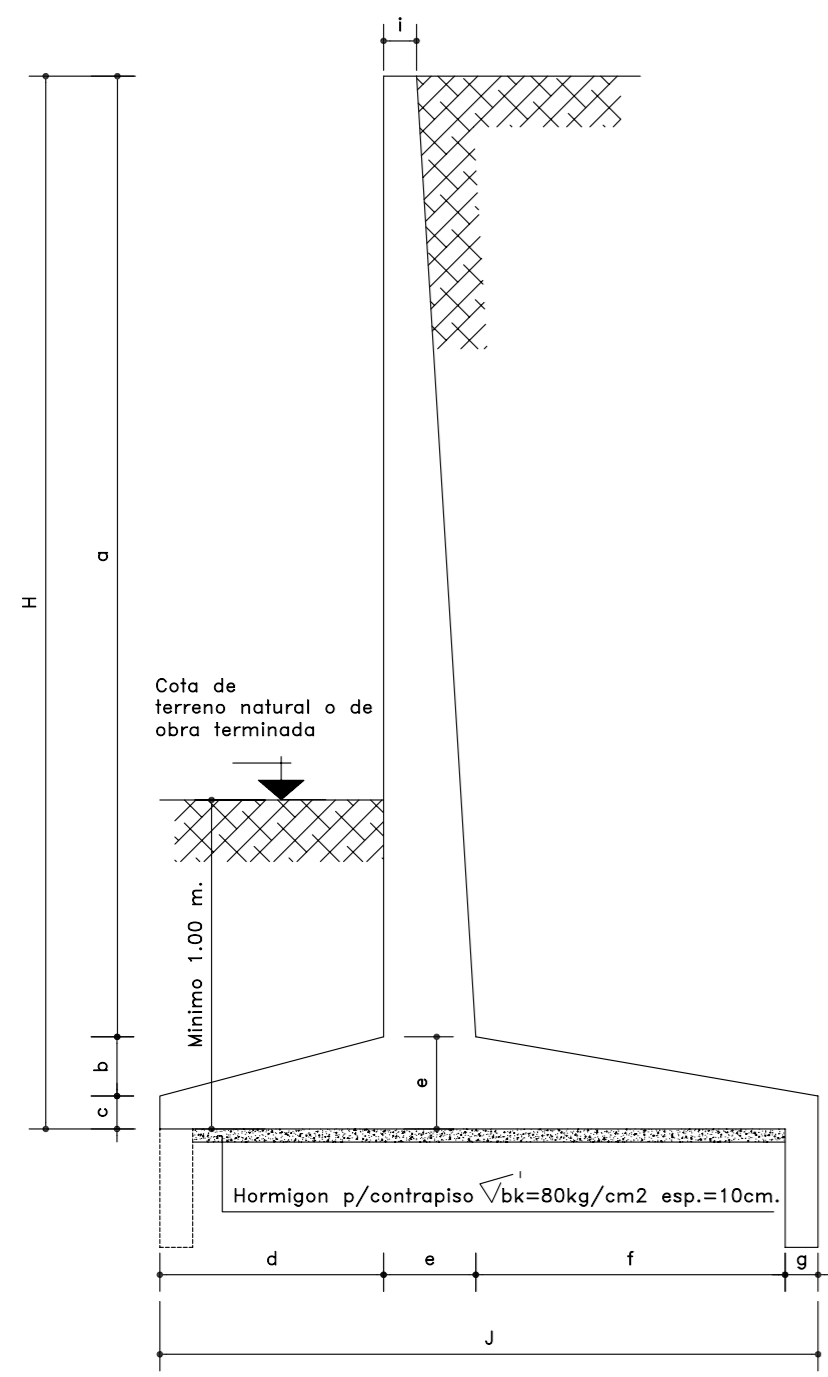


DETALLE JUNTA



NOTAS:

En puentes de varios tramos la junta de dilatación entre los mismos se construirá análogamente a la indicada en este detalle.



COMPUTO METRICO

Tipo tab.	Volumen H ³	Peso total acero (kg)	
		A*principal	A*repartic.
H=8.00m.	6.23	405.00	48.40
H=7.00m.	4.68	325.56	43.35
H=6.00m.	3.19	187.48	36.89
H=5.50m.	2.69	115.78	34.13
H=5.00m.	2.28	96.61	29.84
H=4.50m.	1.61	78.94	25.60
H=4.00m.	1.42	51.14	23.71
H=3.50m.	1.11	40.02	21.98
H=3.00m.	0.95	26.89	17.81
H=2.50m.	0.60	24.30	15.13
H=2.00m.	0.52	18.22	13.39
H=1.50m.	0.31	12.60	9.21

DIMENSIONES

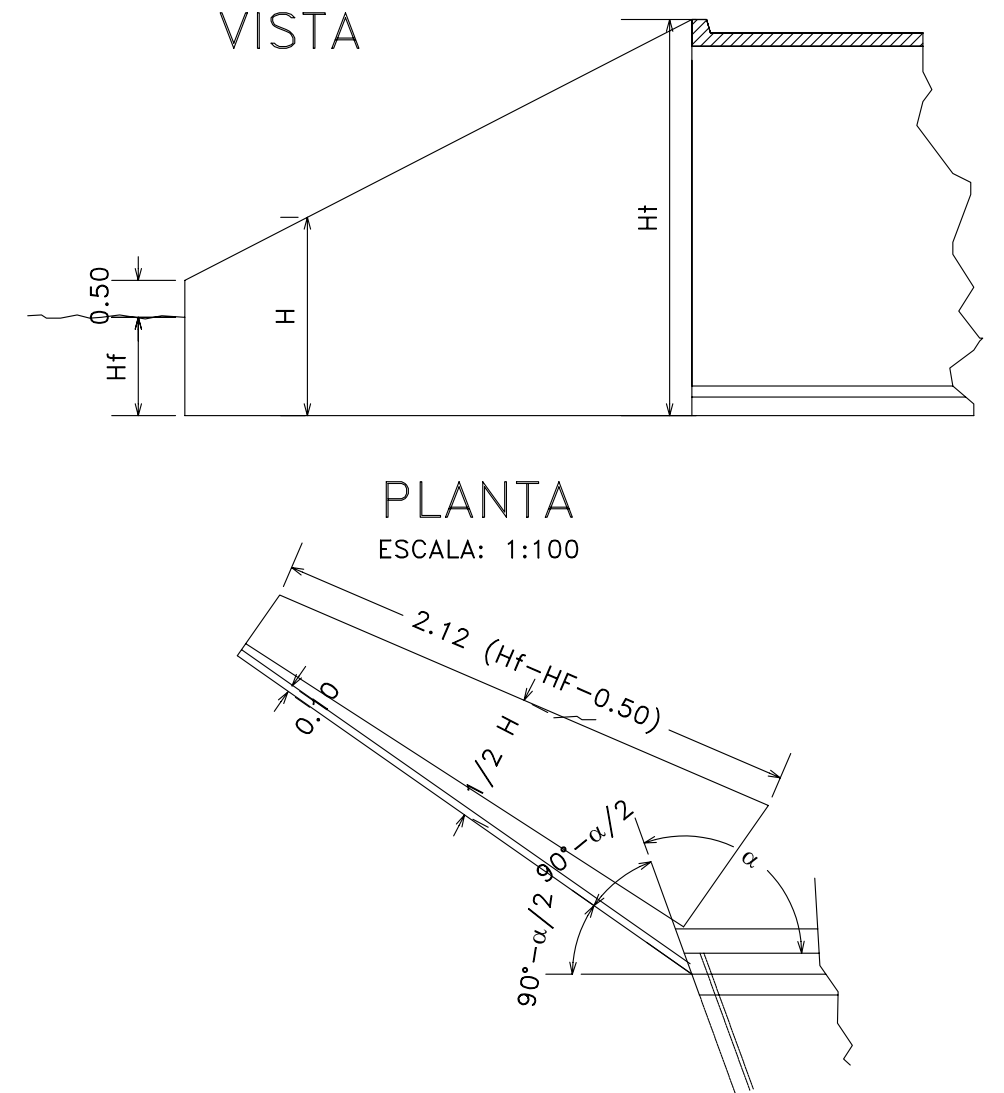
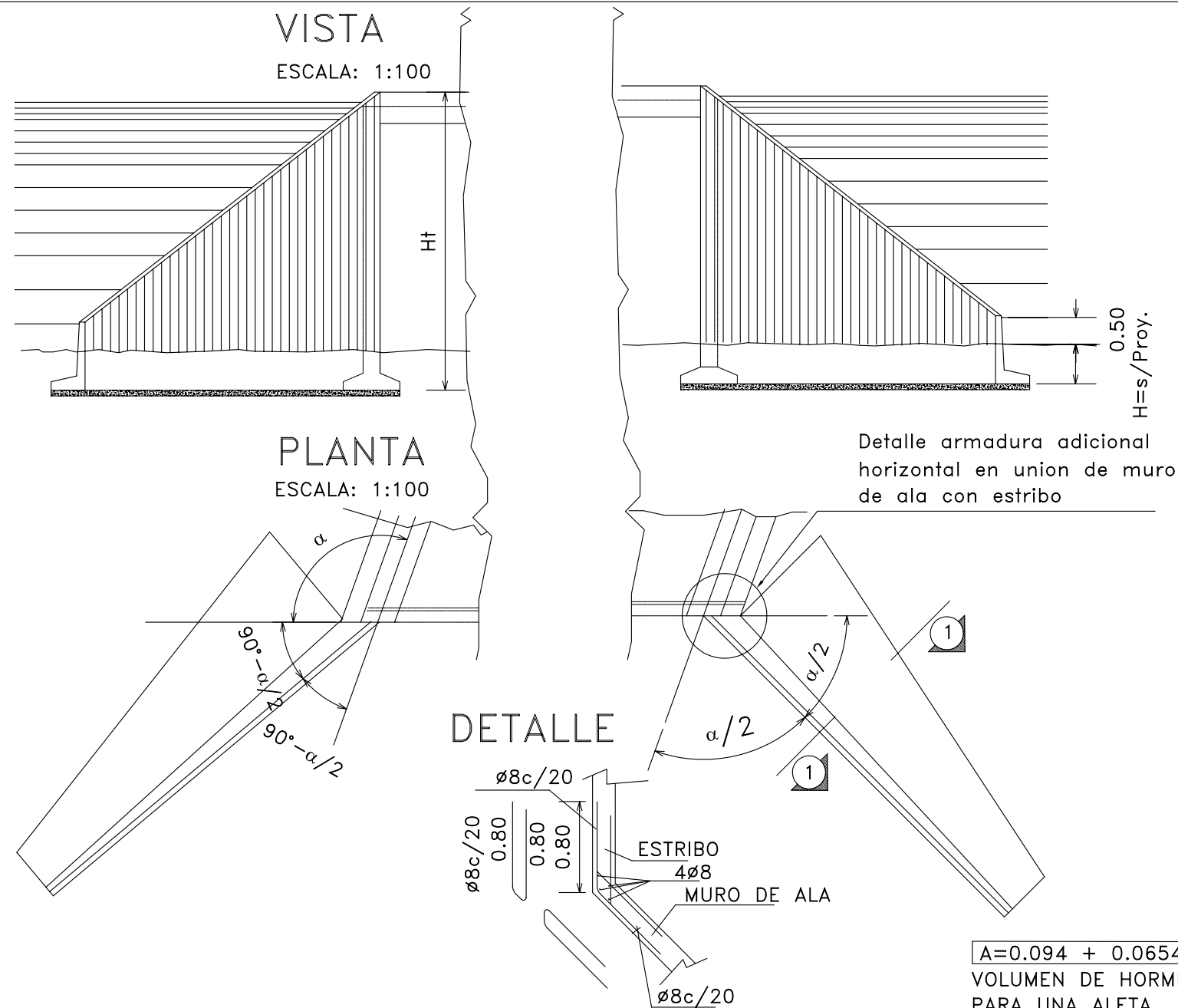
Tipo tab.	DIMENSIONES (mts.)									
	a	b	c	d	e	f	g	h	i	j
H=8.00m.	7.30	0.45	0.25	1.70	0.70	2.50	0.25	0.90	0.25	5.00
H=7.00m.	6.40	0.35	0.25	1.15	0.60	2.35	0.25	0.85	0.20	4.50
H=6.00m.	5.55	0.25	0.20	1.00	0.45	2.15	0.20	0.80	0.20	3.80
H=5.50m.	5.10	0.20	0.20	0.85	0.40	2.00	0.20	0.70	0.20	3.45
H=5.00m.	4.65	0.15	0.20	0.75	0.35	1.85	0.20	0.70	0.20	3.15
H=4.50m.	4.20	0.15	0.15	0.60	0.30	1.50	0.20	0.45	0.15	2.60
H=4.00m.	3.70	0.15	0.15	0.45	0.30	1.25	0.20	0.45	0.15	2.20
H=3.50m.	3.25	0.10	0.15	0.35	0.25	1.05	0.20	0.45	0.15	1.85
H=3.00m.	2.75	0.10	0.15	0.35	0.25	0.80	0.20	0.40	0.15	1.60
H=2.50m.	2.30	0.10	0.10	0.30	0.20	0.60	0.15	0.40	0.10	1.25
H=2.00m.	1.80	0.10	0.10	0.30	0.20	0.60	0.15	0.40	0.10	1.25
H=1.50m.	1.35	0.05	0.10	0.25	0.15	0.25	0.15	0.25	0.10	0.80

Tipo	Posic.	Ø	Separ.	Doblado (mts.)				D 1	D 2	L(total) (mts.)	Peso (kg.)	
				1	2	3	4					
H=8.00	I	8	24	7.85	0.46	0.54	0.15	0.60		9.00	15.48	
	II	20	24	7.30	1.88	2.60	0.15	0.60		11.93	126.71	
	III	20	24	4.50	1.88	2.60		0.60		8.98	95.38	
	IV	20	24	2.25	1.88	1.50		0.60		5.63	59.80	
	V											
	VI	16	16	0.30	1.40	0.30			0.12	2.00	20.22	
	VII	16	24	0.24	2.04	0.47	2.04		0.47	4.79	32.54	
	VIII	8	25	2.08	0.15	2.95				5.18	8.25	
	IX	16	24	0.24	4.94	0.47	0.86		0.15	6.51	42.23	
	X	8	25	1.10	0.19	1.09	0.30			2.68	4.39	
H=7.00	I	8	24	6.66	0.44	0.40	0.12	0.56		7.62	12.90	
	II	16	24	6.50	1.40	2.80	0.12	0.56		10.82	72.70	
	III	16	24	4.30	1.40	2.80		0.56		8.50	55.80	
	IV	16	24	3.20	1.40	2.00		0.56		6.60	44.84	
	V	16	24	2.40	1.40	1.60		0.56		5.40	35.40	
	VI	16	12	0.30	1.20	0.30			0.13	1.80	23.89	
	VII	16	24	0.30	1.34	0.44	1.80	0.56	0.13	3.88	24.54	
	VIII	12	24	1.40	0.15	3.00				4.55	16.25	
	IX	16	24	0.30	4.28	0.30	0.95		0.13	5.83	38.38	
	X	8	20	1.02	0.19	1.02	0.30			2.53	5.00	
H=6.00	I	8	24	5.72	0.30	0.40	0.12	0.39		6.54	11.04	
	II	12	30	5.55	0.96	2.50	0.12	0.39		9.13	27.23	
	III	16	30	3.40	0.96	2.50		0.39		6.86	36.13	
	IV	16	30	2.50	0.96	1.99		0.39		5.45	28.70	
	V	16	20	1.50	0.96	1.42		0.39		3.88	30.65	
	VI	16	14	0.40	1.00	0.40			0.13	1.80	20.31	
	VII	12	20	0.40	1.11	0.30	1.20	0.39	0.13	3.01	13.36	
	VIII	12	20	1.20	0.12	2.50				3.82	16.79	
	IX	10	20	0.40	3.58	0.33	0.86		0.13	5.17	15.95	
	X	8	20	0.92	0.14	0.92	0.30			2.28	4.50	

Tipo	Posic.	Ø	Separ.	Doblado (mts.)				D 1	D 2	L(total) (mts.)	Peso (kg.)	
				1	2	3	4					
H=5.50	I	8	24	5.26	0.26	0.40	0.12	0.34		6.04	10.18	
	II	10	24	5.05	0.82	2.10	0.12	0.34		8.09	20.49	
	III	12	24	2.69	0.82	1.46		0.34		4.97	18.39	
	IV	12	24	1.69	0.82	1.00		0.34		3.51	12.99	
	V											
	VI	10	12	0.40	0.90	0.40			0.13	1.70	8.74	
	VII	10	12	0.40	0.94	0.26	0.82	0.34	0.13	2.42	12.60	
	VIII	12	20	1.00	0.12	2.00				3.12	13.85	
	IX	12	20	0.40	3.23	0.33	0.76		0.13	4.72	20.96	
	X	8	20	0.82	0.14	0.82	0.30			2.08	4.11	
H=5.00	I	8	24	4.77	0.23	0.40	0.12	0.29		5.52	9.29	
	II	10	24	4.65	0.71	1.85	0.12	0.29		7.33	18.53	
	III	10	24	2.14	0.71	1.44		0.29		4.29	11.03	
	IV	12	24	1.58	0.71	1.00		0.29		3.29	13.17	
	V											
	VI	12	20	0.22	0.76	0.22			0.13	1.20	5.33	
	VII	12	20	0.40	0.81	0.23	0.75	0.29	0.13	2.19	9.72	
	VIII	10	24	0.90	0.12	2.00				3.02	7.45	
	IX	12	20	0.40	2.75	0.33	0.66		0.13	4.14	18.38	
	X	8	20	0.72	0.14	0.72	0.30			1.88	3.71	
H=4.50	I	8	24	4.30	0.19	0.40		0.24		4.89	8.41	
	II	10	24	4.20	0.59	1.70		0.24		6.49	16.84	
	III	10	24	4.20	0.59	1.20		0.24		5.99	15.97	
	IV	10	24	1.21	0.59	0.83		0.24		2.63	6.76	
	V											
	VI	10	16	0.28	0.70	0.28			0.08	1.26	4.86	
	VII	12	25	0.29	0.66	0.19	0.77	0.24	0.08	1.91	7.31	
	VIII	10	24	0.72		1.70				2.42	6.22	
	IX	12	25	0.29	2.93	0.22	0.48		0.08	3.92	13.92	
	X	8	20	0.52	0.14	0.52	0.30			1.48	2.92	

Tipo	Posic.	Ø	Separ.	Doblado (mts.)				D 1	D 2	L(total) (mts.)	Peso (kg.)	
				1	2	3	4					
H=4.00	I	8	24	3.80	0.19	0.50		0.24		4.49	7.72	
	II	8	24	3.70	0.58	1.40		0.24		5.68	9.35	
	III	8	24	2.23	0.58	1.20		0.24		4.01	6.59	
	IV	8	24	1.35	0.58	0.77		0.24		2.70	4.44	
	V											
	VI	10	25	0.28	0.70	0.28			0.08	1.26	3.36	
	VII	10	24	0.28	0.53	0.19	0.52	0.24	0.08	1.52	3.91	
	VIII	10	24	0.55		1.55				2.10	5.40	
	IX	10	24	0.28	2.04	0.10	0.48		0.08	2.90	7.45	
	X	8	20	0.52	0.14	0.52	0.30			1.48	2.92	
H=3.50	I	8	24	3.30	0.19	0.60		0.24		4.09	7.03	
	II	8	20	3.25	0.58	1.05		0.24		4.88	9.64	
	III	8	20	1.73	0.58	0.83		0.24		3.14	6.20	
	IV											
	V											
	VI	8	20	0.28	0.56	0.28			0.08	1.12	2.21	
	VII	10	30	0.28	0.47	0.19	0.40	0.24	0.08	1.34	2.75	
	VIII	8	20	0.50		1.32				1.82	3.59	
	IX	10	30	0.28	1.79	0.21	0.48		0.08	2.76	5.68	
	X	8	20	0.52	0.14	0.52	0.30			1.48	2.92	
H=3.00	I	8	24	2.82	0.15	0.50		0.19		3.47	5.97	
	II	8	24	2.75	0.46	1.00		0.19	0.08	4.21	2.91	
	III	8	24	1.09	0.46	0.77		0.19		2.32	3.99	
	IV											
	V											
	VI	8	24	0.27	0.60	0.27			0.08	1.14	1.96	
	VII	8	24	0.28	0.39	0.15	0.87	0.19	0.08	1.69	2.78	
	VIII	8	24	0.44		1.10				1.54	2.67	
	IX	8	24	0.28	1.44	0.21	0.43		0.08	2.36	3.88	
	X	8	20	0.47	0.14	0.47	0.30			1.38	2.73	

Tipo	Posic.	Ø	Separ.	Doblado (mts.)				D 1	D 2	L(total) (mts.)	Peso (kg.)	
				1	2	3	4					
H=2.50	I	8	24	2.35	0.11	0.40		0.14		2.86	4.92	
	II	8	24	2.30	0.34	0.75		0.14		3.39	5.83	
	III	8	24	0.75	0.34	0.75		0.14		1.84	3.16	
	IV											
	V											
	VI	8	24	0.27	0.48	0.27			0.08	1.02	1.75	
	VII	8	30	0.27	0.32	0.11	0.75	0.14	0.08	1.45	1.92	
	VIII	8	30	0.35		0.83				1.18	1.55	
	IX	8	30	0.28	1.14	0.28	0.38		0.08	2.08	2.74	
	X	8	20	0.42	0.09	0.42	0.30			1.23	2.43	
H=2.00	I	8	24	1.85	0.11	0.40		0.14		2.36	3.59	
	II	8	24	1.78	0.34	0.58		0.14		2.70	4.64	
	III											
	IV											
	V											
	VI	8	24	0.27	0.48	0.27			0.08	1.02	1.75	
	VII	8	30	0.27	0.32	0.11	0.66	0.14	0.08	1.36	1.79	
	VIII	8	30	0.35</								



$$A = 0.094 + 0.0654 Ht$$

VOLUMEN DE HORMIGÓN
PARA UNA ALETA

$$V = 1.06(0.2383 + 0.0875 Ht - 0.1250A + 0.7500 A \cdot Ht)(Ht - Hf - 0.50)$$

UNIDADES:

Ht en metros (m)

A en metros (m)

V en metros cúbicos (m³)

NOTAS:

MATERIALES:

HORMIGÓN H-25: $f'c = 25 \text{ MPa}$

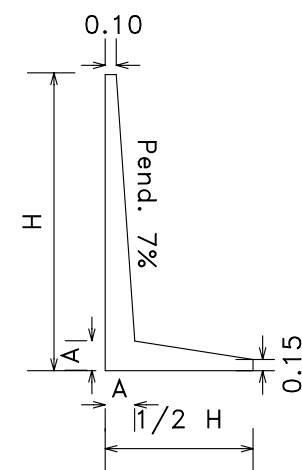
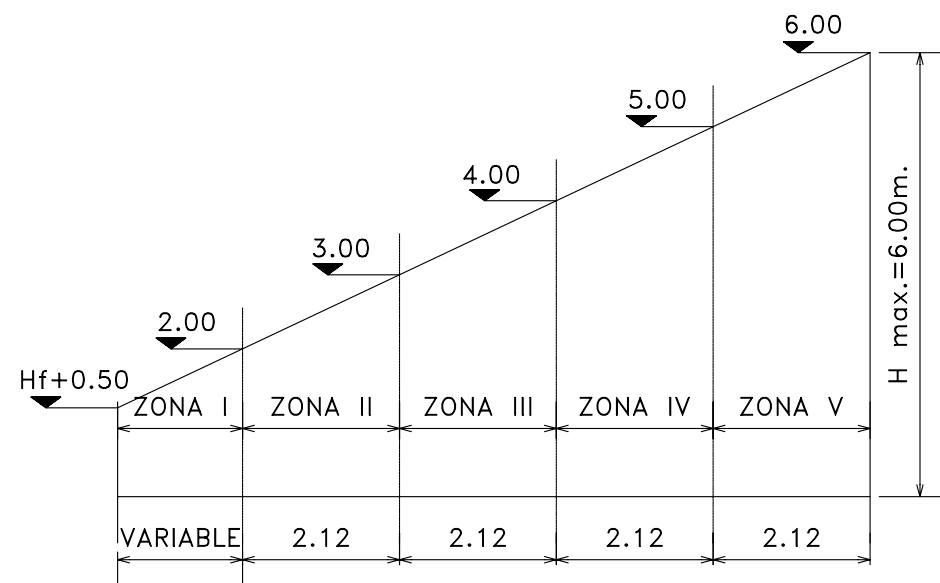
ACERO ADN-420: $f_y = 420 \text{ MPa}$

TENSIÓN ADMISIBLE DEL TERRENO: $\sigma_t > 0.1 \text{ MPa}$

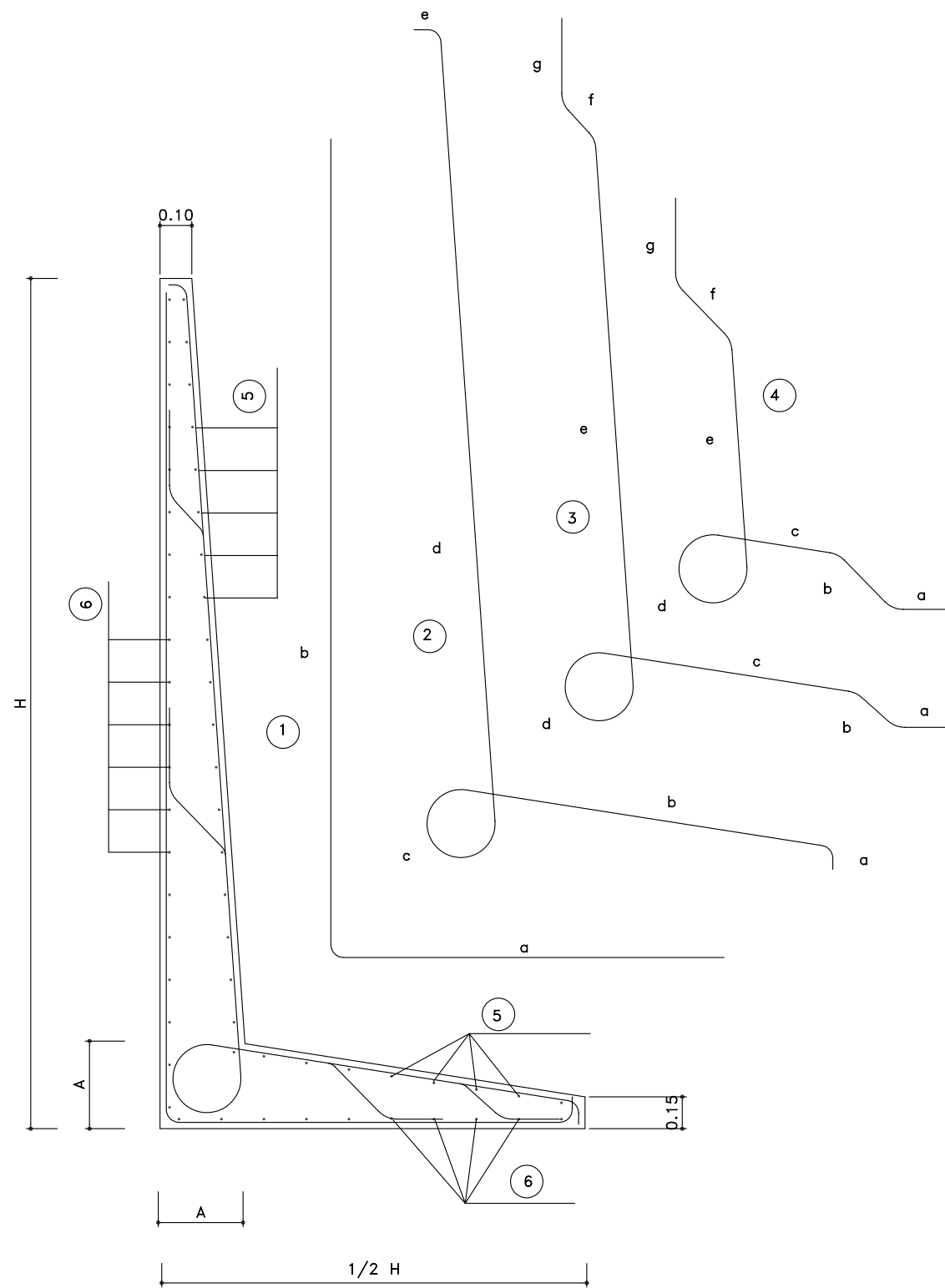
RECUBRIMIENTO: 3cm

LA LONGITUD DE LOS HIERROS CONSIGNADA EN ESTE PLANO ES A LOS EFECTOS DEL CÁLCULO SOLAMENTE.

EL DOBLADO DE BARRAS SE REALIZARÁ SEGÚN EL C.I.R.S.O.C.



CORTE TRANSVERSAL



ZONA	A (m.)	POSIC.	Ø (m.m.)	SEPAR. (cm.)	DOBLADO (mts.)							LONGITUD TOTAL PROM.(m.)	PESO/ZONA (kg.)	COMPUTOS METRICOS POR ZONA	
					a	b	c	d	e	f	g			ACERO (kg)	HORMIG./m3
I	0.20	2	8	22	0.10	Var.	0.35	Var.	0.05			Variable	Variable	PARA Hf ≥ 1.00 m	
		3	8	45	0.24	0.18	Var.	0.35	Var.	0.14	Var.	Variable	Variable	11.32	0.38
		5	6	30								1.06	3.53	PARA Hf ≥ 0.70 m	
II	0.26	2	8	33	0.10	1.09	0.43	2.34	0.05			4.01	10.30	32.60	1.52
		3	8	33	0.17	0.19	0.79	0.43	1.53	0.14	0.40	3.65	9.40		
		4	8	33	0.20	0.24	0.46	0.43	0.70	0.23	0.40	2.66	6.84		
		5	6	30								2.12	6.06		
III	0.32	1	8	30	1.70	3.45						5.15	14.56	75.81	2.65
		2	8	27	0.10	1.56	0.56	3.31	0.05			5.58	17.53		
		3	8	27	0.28	0.21	1.12	0.56	2.16	0.17	0.40	4.90	15.40		
		4	8	27				64		0.27	0.40	3.52	11.06		
		5	6	30								2.12	8.40		
		6	6	30								2.12	8.86		
IV	0.39	1	8	30								6.65	18.80	103.66	4.09
		2	12	27								7.17	50.11		
		3	12	27						0.21	0.40	6.22	43.50		
		4	12	27						0.34	0.40	4.33	30.26		
		5	6	30								2.12	10.26		
		6	6	30								2.12	10.73		
V	0.45	1	8	30	2.70	5.45						8.15	23.04	252.37	5.83
		2	12	20	0.10	2.50	0.84	5.25	0.05			8.74	82.45		
		3	12	20	0.40	0.28	1.76	0.84	3.88	0.23	0.40	7.79	73.49		
		4	12	20	0.40	0.42	0.99	0.84	1.61	0.40	0.40	5.06	47.74		
		5	6	30								2.12	12.59		
		6	6	30								2.12	13.06		

VOLUMEN DE HORMIGON PARA CONTRAPISO POR ALETA= (Para Hf > 1.00m.) 2.12 (H max.-1.50)(1/2Hx0.10)

NOTAS:

MATERIALES:

HORMIGÓN H-25: f'c= 25MPa

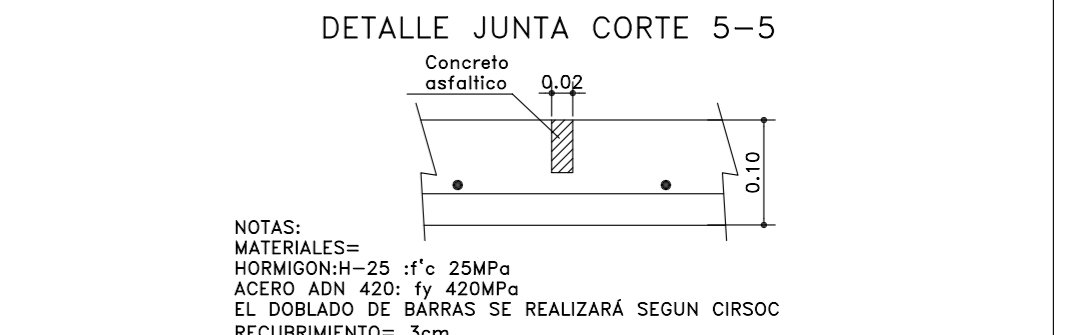
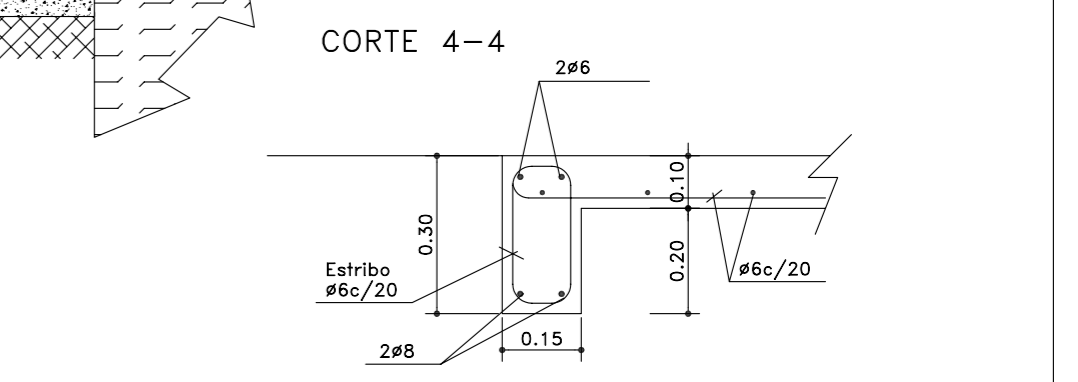
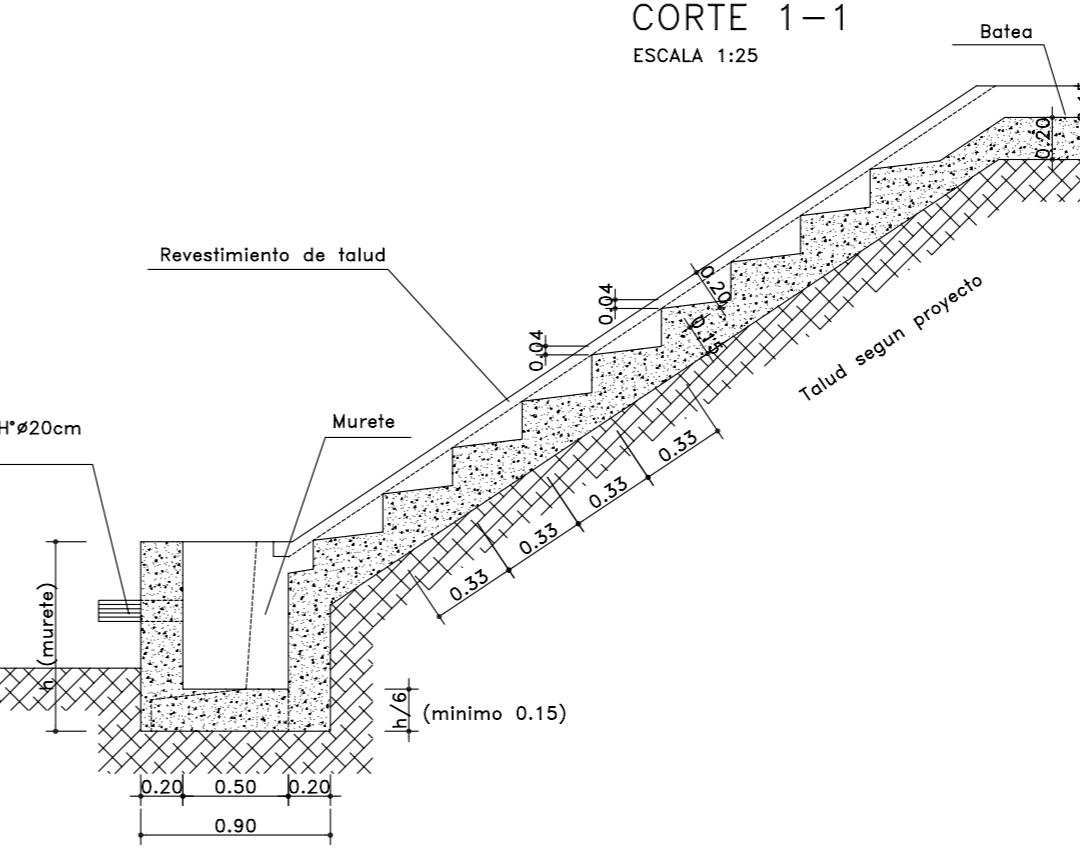
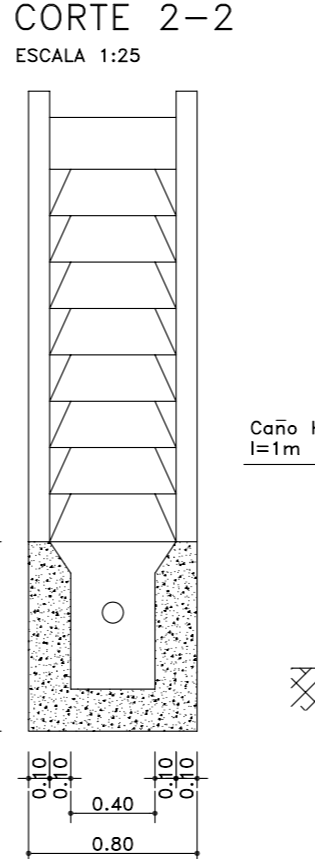
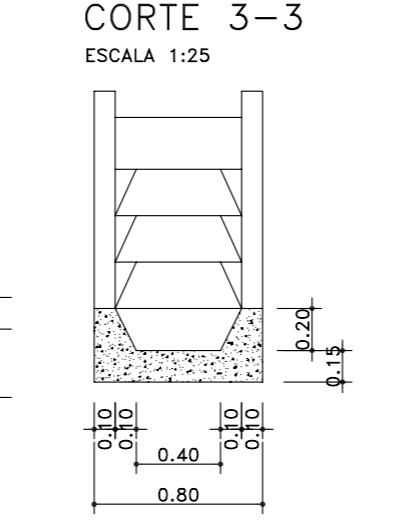
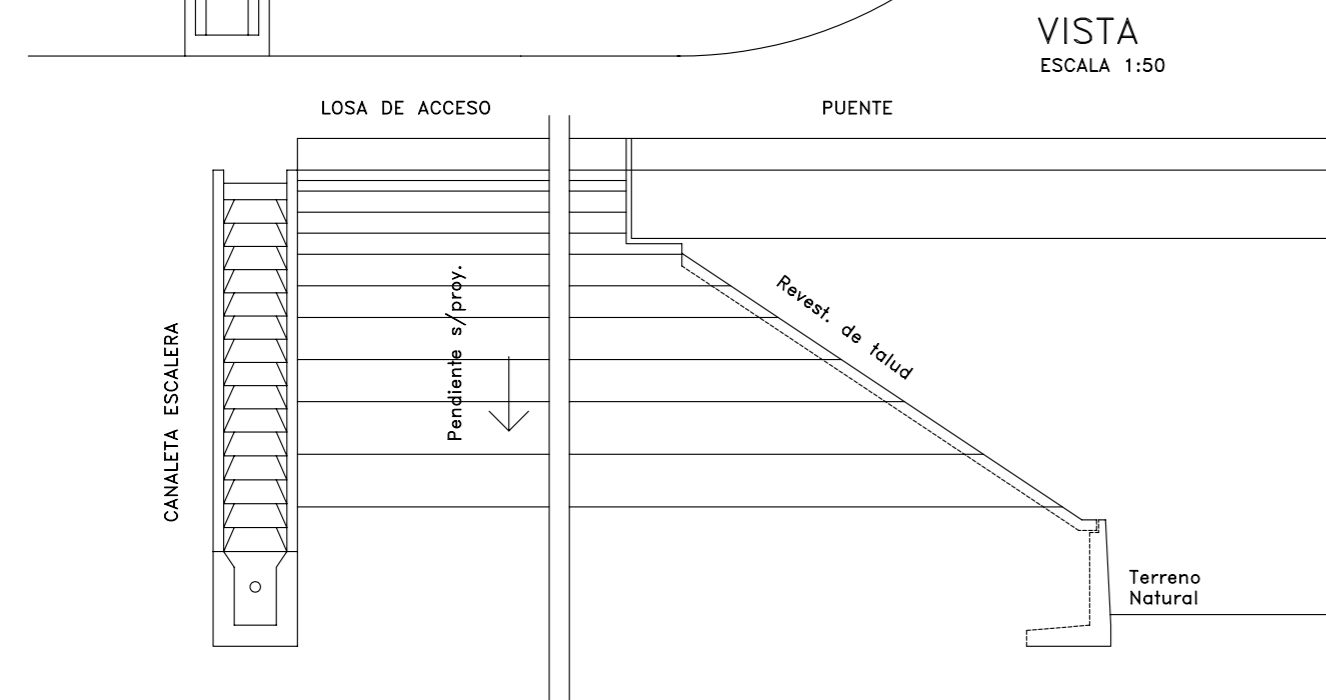
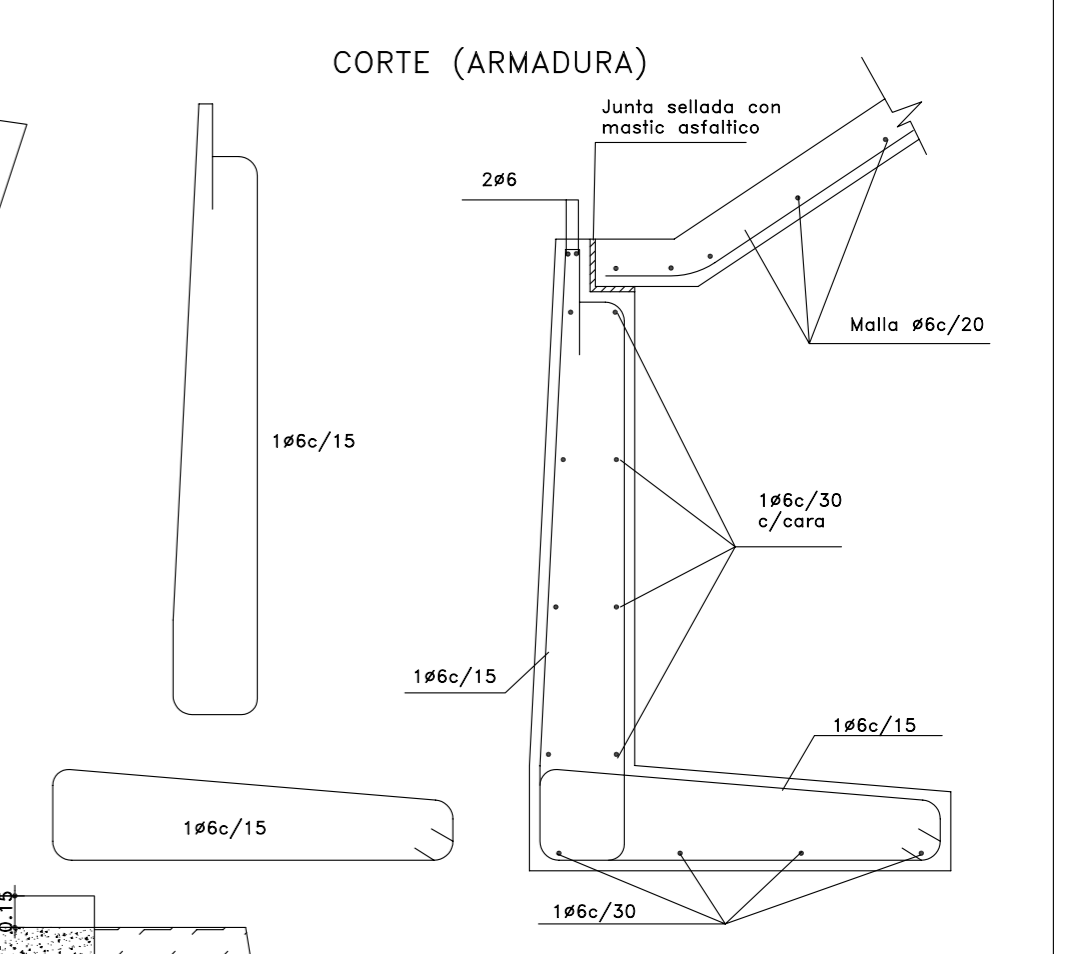
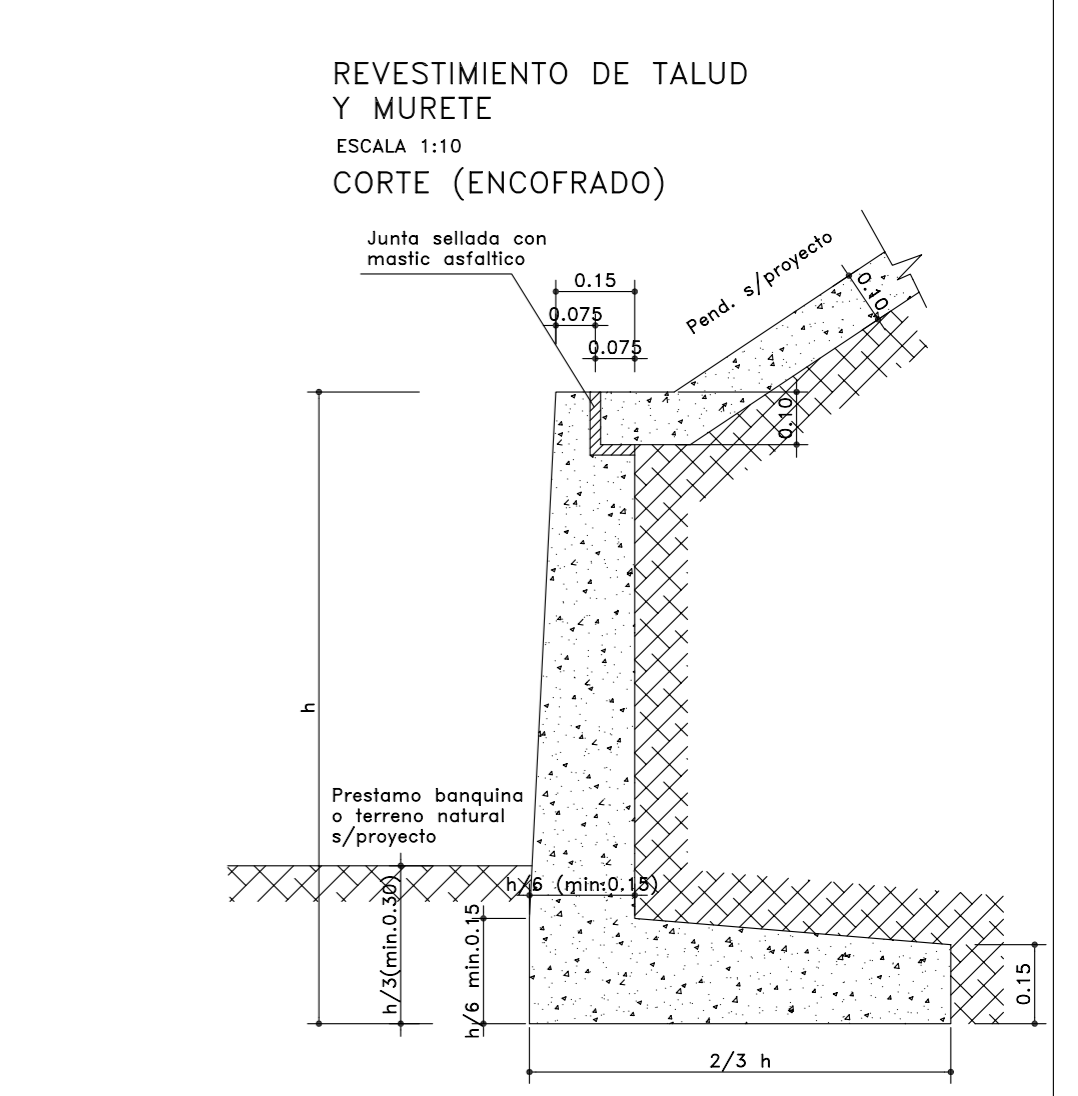
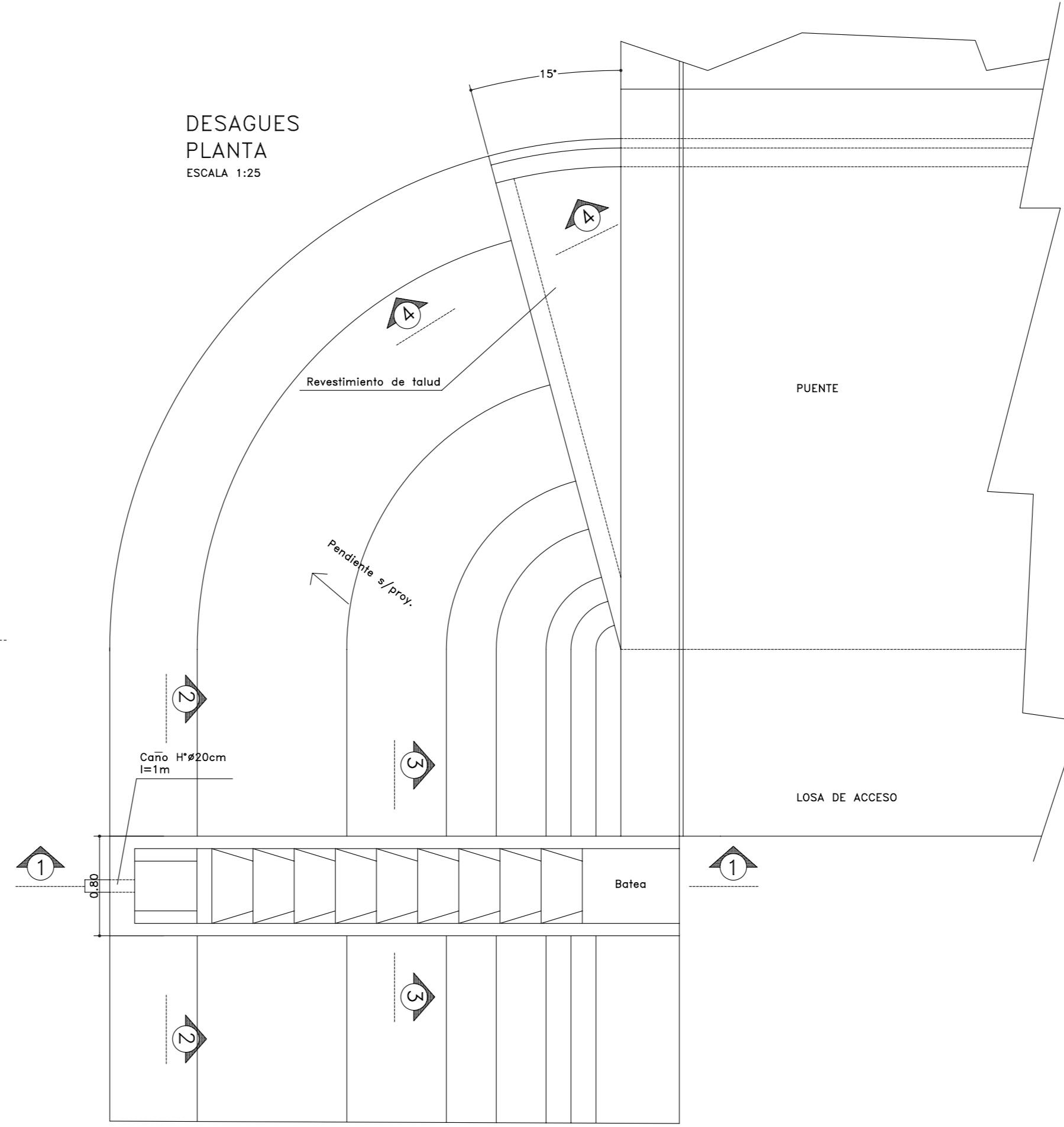
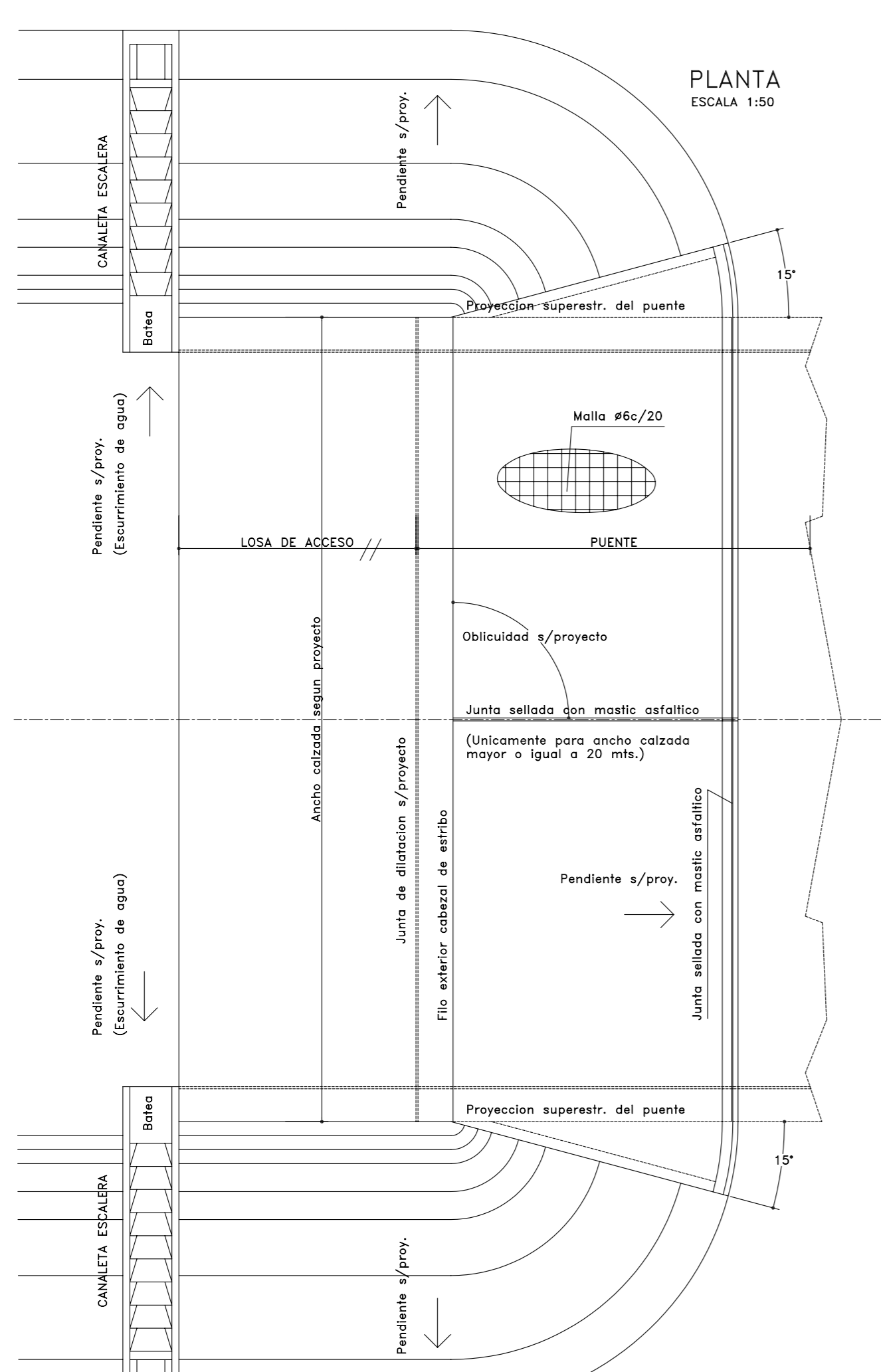
ACERO ADN-420: fy=420 MPa

TENSIÓN ADMISIBLE DEL TERRENO: σt > 0.1MPa

RECUBRIMIENTO: 3cm

LA LONGITUD DE LOS HIERROS CONSIGNADA EN ESTE PLANO ES A LOS EFECTOS DEL CÔMPUTO SOLAMENTE.

EL DOBLADO DE BARRAS SE REALIZARÁ SEGÚN EL C.I.R.S.O.C.



NOTAS:
 MATERIALES=
 HORMIGON: H-25 : f'c 25MPa
 ACERO ADN 420: fy 420MPa
 EL DOBLADO DE BARRAS SE REALIZARÁ SEGUN CIRSOC
 RECUBRIMIENTO= 3cm.





República Argentina - Poder Ejecutivo Nacional
1983/2023 - 40 AÑOS DE DEMOCRACIA

Hoja Adicional de Firmas
Informe gráfico

Número:

Referencia: Documentacion Complementaria - DVBA Mantenimiento Puentes y Alcantarillas - PARTE 03

El documento fue importado por el sistema GEDO con un total de 9 pagina/s.