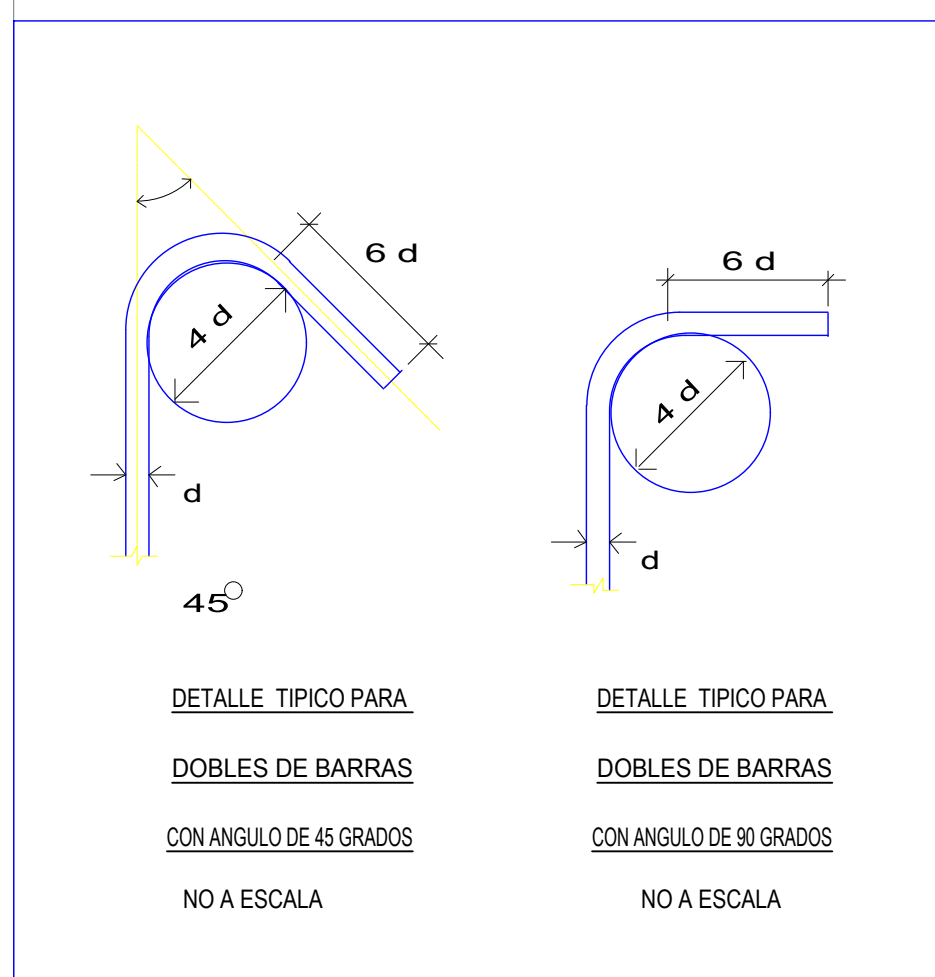


1. TODAS LAS DIMENSIONES ESTÁN DADAS EN METROS A MENOS QUE SE ESPECIFIQUE OTRA UNIDAD.
2. VERIFICAR TODAS LAS MEDIDAS ANTES DE PROCEDER CON LA CONSTRUCCIÓN.
3. LOS REFUERZOS DE ACERO ESTRUCTURAL DEBERÁN QUEDAR CUBIERTOS POR UNA CAPA MÍNIMA DE 75 mm DE CONCRETO A MENOS QUE SE INDIQUE LO CONTRARIO.
4. LA ORIENTACION DE LOS GANCHOS DE LAS COLUMNAS DEBE ESTAR SIEMPRE ASI EL CENTRO DE LAS COLUMNAS.
5. TODOS LOS MATERIALES DEBEN SER COMPLETAMENTE NUEVOS Y CUMPLIR CON LOS ESTÁNDARES DE BUENA CALIDAD.
6. ESPECIFICACIONES DE LOS MATERIALES:
 - CONCRETO: $f'c=28$ MPa
 - CONCRETO SOLADO: $f'c=17.5$ MPa
 - ACERO DE REFUERZO: $F_y=420$ MPa
 - ACERO ESTRUCTURAL ASTM A-36 (252 MPa.)
7. TODO EL REFUERZO DEBE SER AMARRADO Y EN NINGÚN CASO SE PERMITE EL USO DE SOLDADURA.
8. CAPACIDAD ADMISIBLE DEL SUELO UTILIZADO EN EL DISEÑO 24.19 ton/m2. A UNA PROFUNDIDAD DE DESPLANTE DE 1.5m. POR TEMAS DE ESTABILIDAD DE LA ESTRUCTURA EN EL DISEÑO SE OPTA POR PROFUNDIZAR A 2.0m DE DESPLANTE DE LA CIMENTACIÓN.
9. EL CONTRATISTA MANTENDRA SECAS LAS EXCAVACIONES Y CONSTRUIRA LAS OBRAS PROVISIONALES NECESARIAS PARA MANTENER LAS AREAS DE TRABAJO LIBRES DE AGUA.
10. CUALQUIER PLANO DEL PROYECTO DEBE LEERSE CONJUNTAMENTE CON ESTE.
11. NO TOMAR MEDIDAS A ESCALA DE ESTE PLANO.
12. CUALQUIER CAMBIO EN LOS PRESENTES DISEÑOS DEBE SER CONSULTADO CON EL INGENIERO DISEÑADOR ESTRUCTURAL.
13. LA TOMA DE MUESTRAS DE CONCRETOS Y ACEROS SE HACE CON BASE EN LOS REQUISITOS DEL TITULO C DE LA NSR-10 O EN SU DEFECTO EL FABRICANTE SUMINISTRA EL CERTIFICADO DE CALIDAD DE ESTOS MATERIALES.
14. TODOS LOS ELEMENTOS NO ESTRUCTURALES DEBEN IR SEPARADOS DE LA ESTRUCTURA DE RESISTENCIA SÍSMICA PARA GARANTIZAR SU ESTABILIDAD ANTE UNA EVENTUALIDAD MÍNIMO UN 0.8% DE SU ALTURA.
15. TODAS LAS ESTRUCTURAS DE OBRA FALSA Y ENCOFRADOS PARA CONCRETO DEBEN SER APROBADAS PREVIO AL VACIADO POR EL INTERVENTOR DEL PROYECTO.
16. EL PRESENTE DISEÑO SE HACE CON BASE EN LOS REQUISITOS DE LA NSR-10



Longitud de traspaso (Ver tabla adjunta)

12d ó 45 cms. MAX.

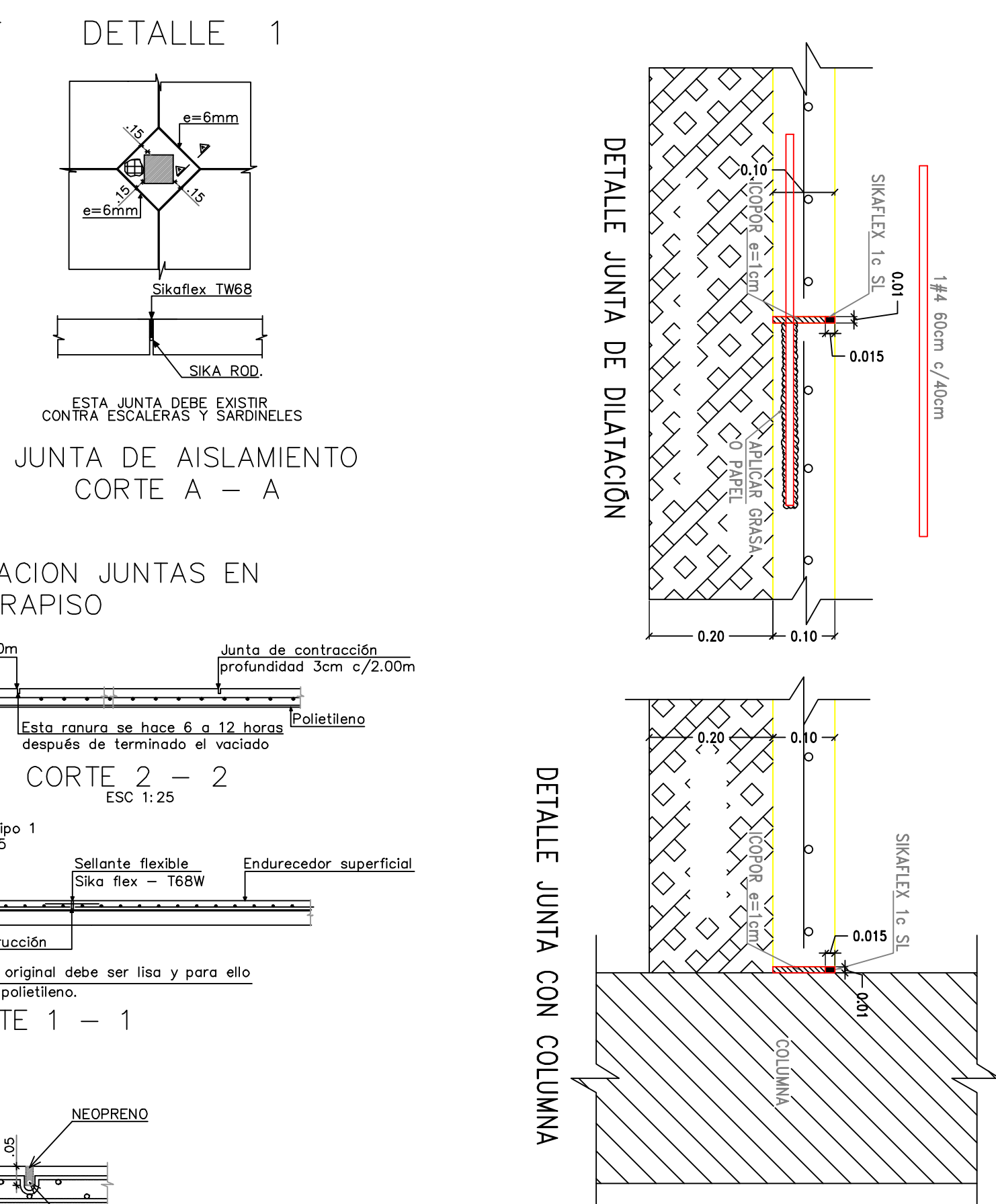
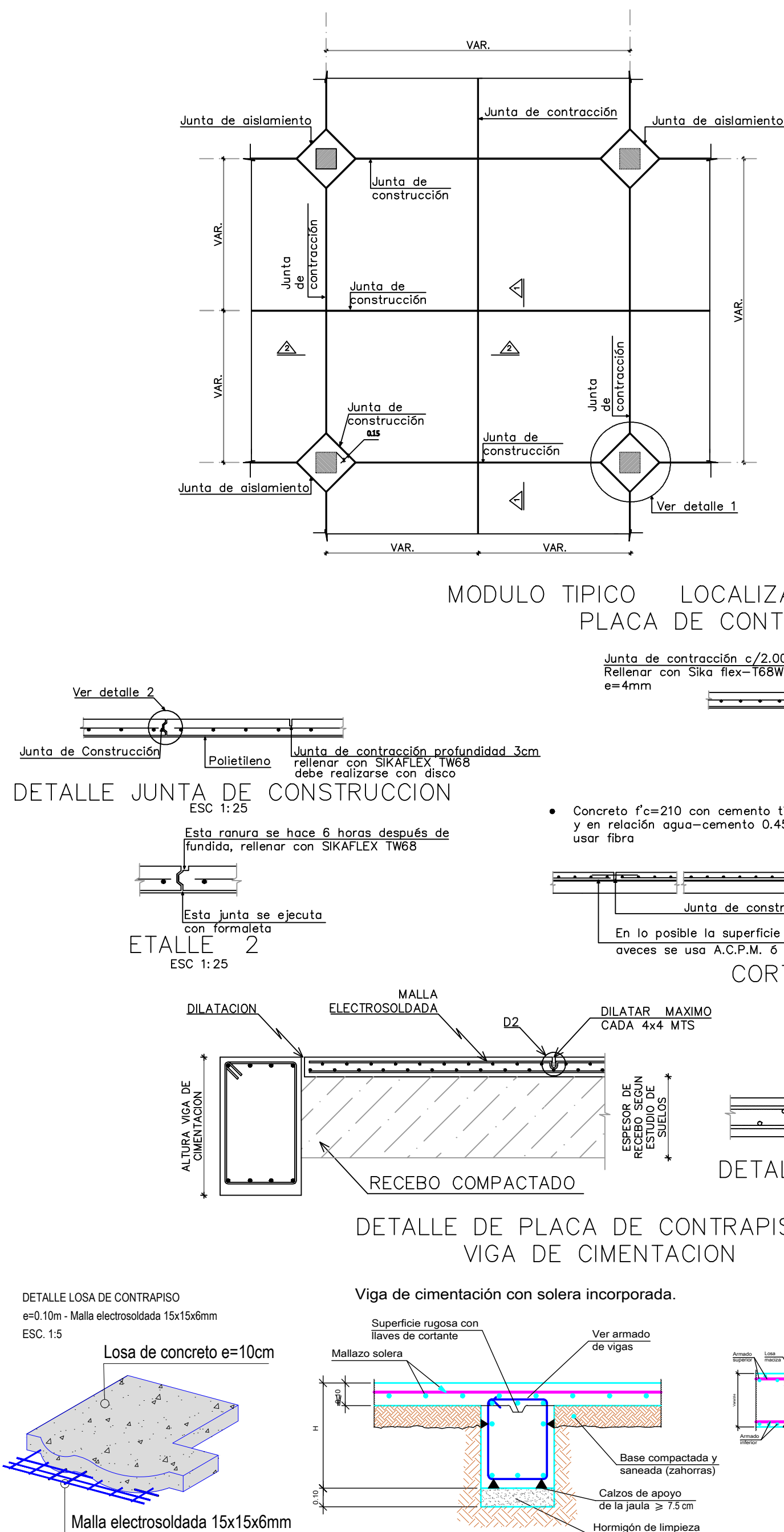
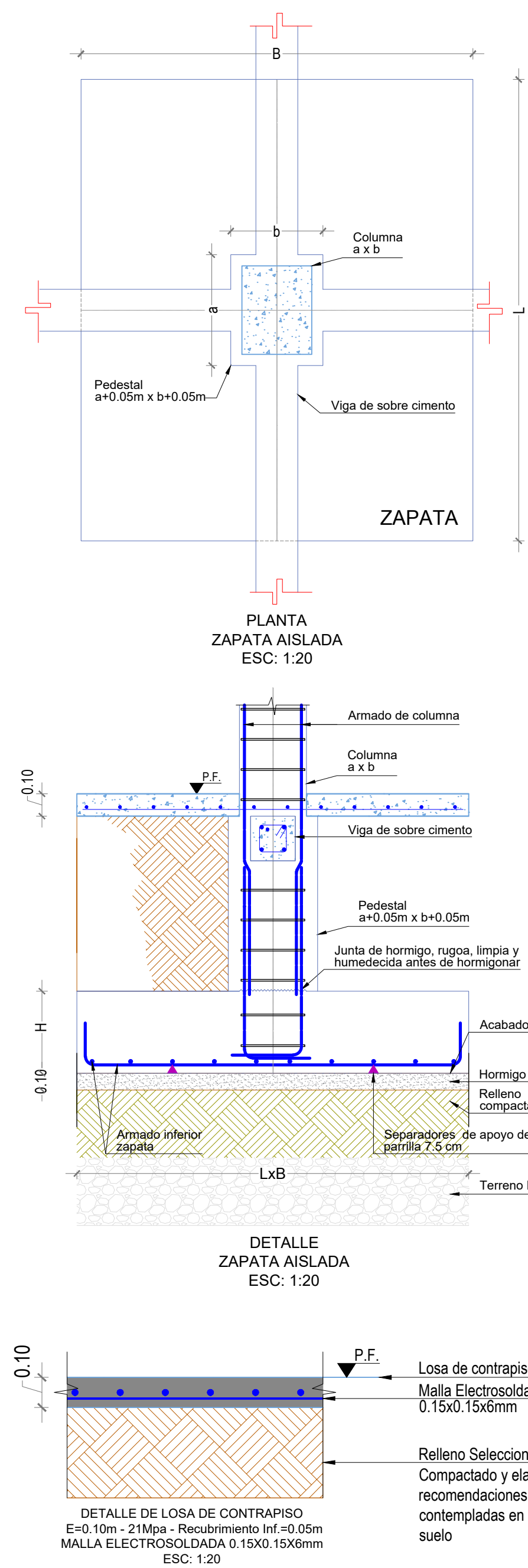
Longitud de traspaso (Ver tabla adjunta)

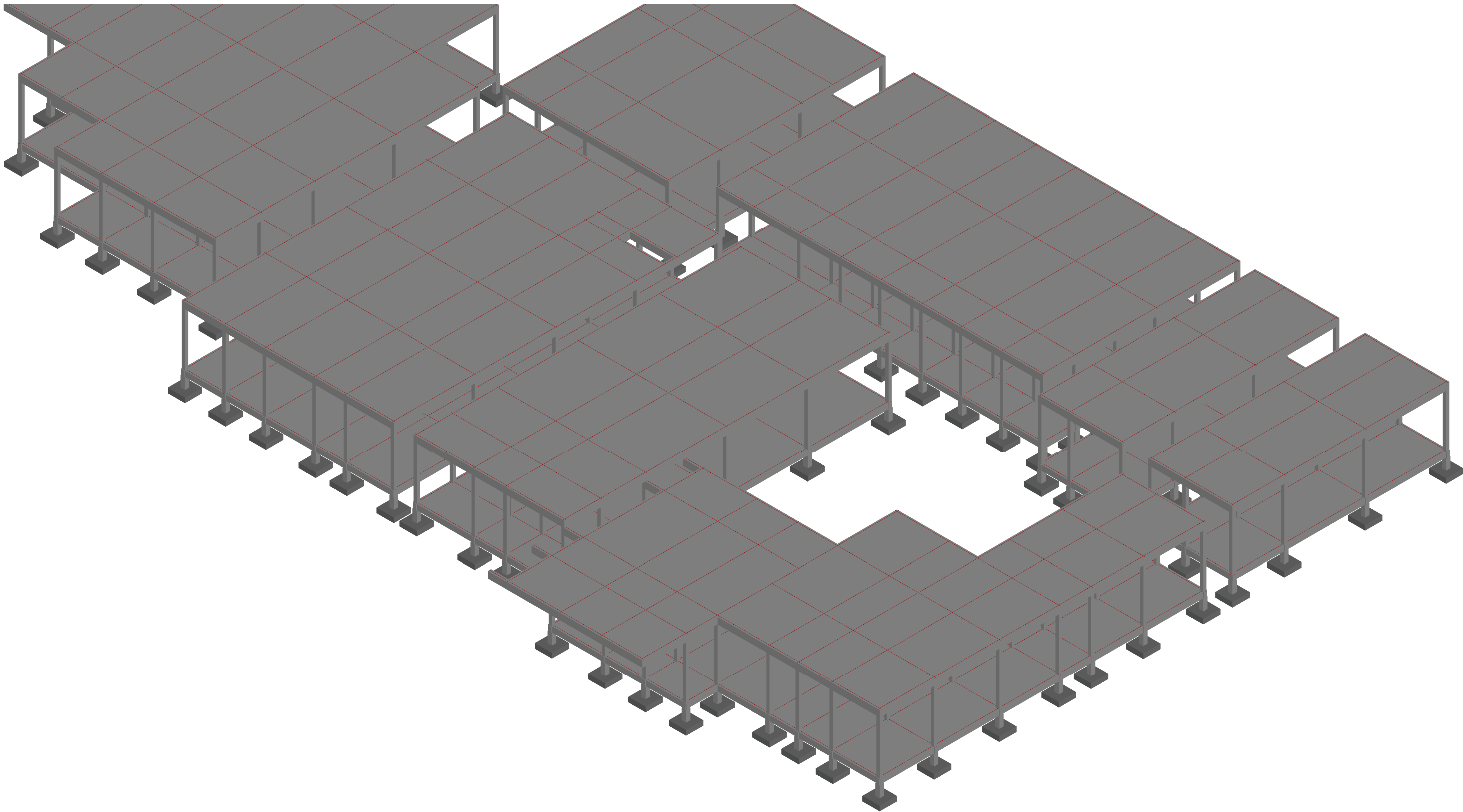
4 cms. si están separadas
6 en contacto si están amarrados con alambre

PENDIENTE 1:5 MAX

Longitud de traspaso (Ver tabla adjunta)

12d ó 45 cms. MIN.

[illegible]





Repanteo de pilares - Fundación			
Columna	Dimensión (cm)	Coordenadas del centro	
		Coordenada X (cm)	Coordenada Y (cm)
A1	40x40	0	0
A2	40x40	0	434
A3	40x40	0	790
A4	40x40	0	1020
A5	40x40	0	1500
A6	40x40	0	1875
A7	40x40	0	2251
A10	40x40	0	2743
A11	40x40	0	2918
A13	40x40	0	3455
A14	40x40	0	3750
A15	40x40	0	4287
A16	40x40	0	4590
A17	40x40	0	4935
A18	40x40	0	5224
A19	40x40	0	5685
A20	40x40	0	6059
A21	40x40	0	6436
A5	40x40	-291	1500
A6	40x40	-291	1875
A7	40x40	-291	2251
A10	40x40	-291	2743
B11	40x40	335	2918
B13	40x40	335	3455
B14	40x40	335	3750
B15	40x40	335	4287
C1	40x40	505	0
C2	40x40	505	434
C3	40x40	505	790
C4	40x40	505	1020
C5	40x40	505	1500
C22	40x40	583	6733
C23	40x40	583	7303
C24	40x40	583	7783
C25	40x40	583	8200
C6	40x40	750	1875
C7	40x40	750	2251
E10	40x40	750	2743
E11	40x40	750	2918
E13	40x40	750	3455
E14	40x40	750	3750
E15	40x40	750	4287
E16	40x40	750	4590
E18	40x40	750	5224
E19	40x40	750	5685
E20	40x40	750	6059
E21	40x40	750	6436
F22	40x40	1000	6733
F23	40x40	1000	7303
F24	40x40	1000	7783
F25	40x40	1000	8200
F26	40x40	1000	8591
G1	40x40	1109	0
G2	40x40	1109	434
G4	40x40	1109	1020
G5	40x40	1109	1500
G6	40x40	1109	1875
H10	40x40	1109	2743
H11	40x40	1500	2918
H13	40x40	1500	3455
H14	40x40	1500	3750
H15	40x40	1500	4287
H16	40x40	1500	4590
H18	40x40	1500	5224
H19	40x40	1500	5685
H20	40x40	1500	6059
H21	40x40	1500	6436
H22	40x40	1500	6733
H23	40x40	1500	7303
H24	40x40	1500	7783
H25	40x40	1500	8200
H26	40x40	1500	8591
H27	40x40	1500	9181
I2	40x40	1660	0
I3	40x40	1660	750
I4	40x40	1660	1020
J5	40x40	1660	1500
J7	40x40	1859	0
K2	40x40	1859	434
K3	40x40	1959	750
K11	40x40	2250	2918
K13	40x40	2250	3455
K14	40x40	2250	3750
K15	40x40	2250	4287
K16	40x40	2250	4590
K17	40x40	2250	4935
K18	40x40	2250	5224
K19	40x40	2250	5685
K20	40x40	2250	6059
K21	40x40	2250	6436
K22	40x40	2250	6733
K23	40x40	2250	7303
K24	40x40	2250	7783
K25	40x40	2250	8200
K26	40x40	2250	8591
K27	40x40	2250	9181
L1	40x40	2444	0
L2	40x40	2444	434
L3	40x40	2444	750
M1	40x40	3000	0
M2	40x40	3000	434
M3	40x40	3000	750
M11	40x40	3000	2918
M13	40x40	3000	3455
M14	40x40	3000	3750
M15	40x40	3000	4287
M16	40x40	3000	4590
M17	40x40	3000	4935
M18	40x40	3000	5224
M19	40x40	3000	5685
M20	40x40	3000	6059
M21	40x40	3000	6436
M22	40x40	3000	6733
M23	40x40	3000	7303
M24	40x40	3000	7783
M25	40x40	3000	8200
M26	40x40	3000	8591
M27	40x40	3000	9181
N1	40x40	3270	0
N2	40x40	3270	434
N3	40x40	3270	750
N4	40x40	3270	1020
N5	40x40	3270	1500
N6	40x40	3270	1770
N7	40x40	3451	1935
N8	40x40	3451	2309
N9	40x40	3451	2685
N10	40x40	3451	3059
N11	40x40	3451	3435
N14	40x40	3451	3802
N14'	40x40	3451	4186
N17	40x40	3451	4935
N18	40x40	3270	5224
N19	40x40	3270	5685
N21	40x40	3270	6436
N22	40x40	3270	6733
O1	40x40	3750	0
O2	40x40	3750	434
O3	40x40	3750	790
O4	40x40	3750	1020
O5	40x40	3750	1500
O6	40x40	3750	1770
O7	40x40	3750	1935
O8	40x40	3750	2309
O9	40x40	3750	2685
O12	40x40	3750	3059
O12'	40x40	3750	3435
O14	40x40	3750	3802
O14'	40x40	3750	4186
O17	40x40	3750	4935
O18	40x40	3750	5224
O19	40x40	3750	5685
O22	40x40	3750	6733
O23	40x40	3750	7303
O24	40x40	3750	7783
O25	40x40	3750	8200
O25'	40x40	3750	8591
P1	40x40	4500	0
P2	40x40	4500	434
P3	40x40	4500	750
P4	40x40	4500	1020
P5	40x40	4500	1500
P6	40x40	4500	1770
P7	40x40	4500	1935
P8	40x40	4500	2309
P9	40x40	4500	2685
P12	40x40	4500	3059
P14	40x40	4500	3435
P14'	40x40	4500	3802
P17	40x40	4500	4935
P18	40x40	4500	5224
P19	40x40	4500	5685
P22	40x40	4500	6733
Q21	40x40	4791	6436
Q22	40x40	4791	6733
R1	40x40	5250	0
R2	40x40	5250	434
R3	40x40	5250	750
R4	40x40	5250	1020
R5	40x40	5250	1500
R6	40x40	5250	1770
R7	40x40	5250	1935
R8	40x40	5250	2309
R9	40x40	5250	2685
R12	40x40	5250	3059
R12'	40x40	5250	3435
R14	40x40	5250	3802
R14'	40x40	5250	4186
R17	40x40	5250	4935
R18	40x40	5250	5224
R19	40x40	5250	5685
R21	40x40	5250	6436
R21'	40x40	5250	6733
R22	40x40	5250	7303

ÁREA 1, CONTEMPLA LOS SERVICIOS DE URGENCIAS 672.99 M2
ÁREA 2, CONTEMPLA LOS SERVICIOS DE APOYO DIAGNOSTICO 587.01 M2 Y SERVICIO DE CONSULTA EXTERNA 368.12 M2
ÁREA 3, CONTEMPLA LOS SERVICIOS DE OBSTETRICIA 307.53 M2 SERVICIOS DE HOSPITALIZACIÓN 547 M2, SERVICIO GENERAL 375.16 M2
ÁREA 4, CONTEMPLA LOS SERVICIOS DE DIRECCIÓN Y ADMINISTRACIÓN 282.41 M2



REPÚBLICA DE COLOMBIA
DEPARTAMENTO DEL CESAR

PROYECTO:
CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE
HOSPITAL MANAURE DEL MUNICIPIO DE
MANAURE - CESAR

CONTIENE:
IMPLANTACIÓN GENERAL

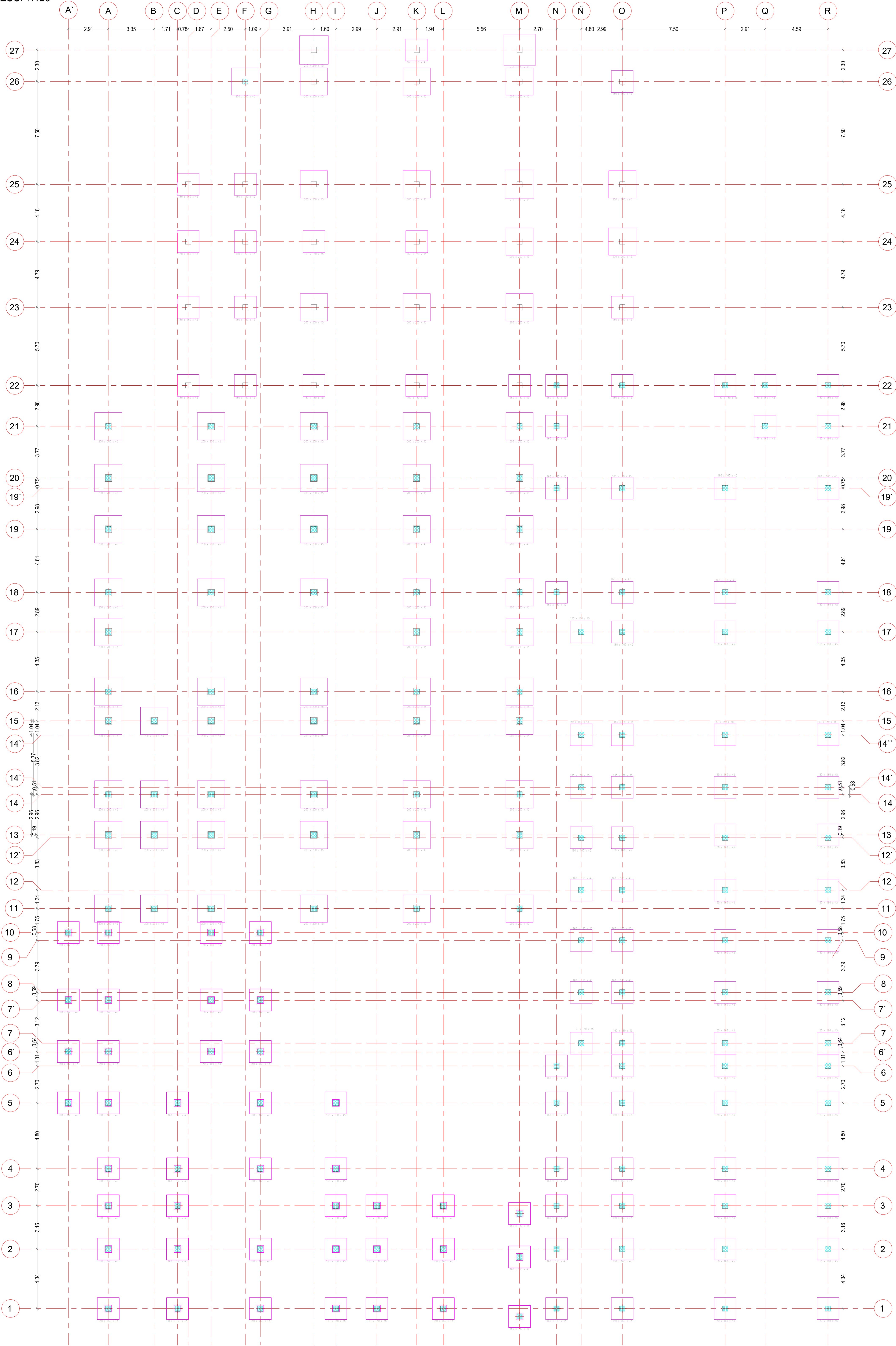
Elaboró: ING. CAMILO A. CASTILLA G.
M.P 0802 - 299843 ATL
Revisó: ARQ. JHONNY ALBERTO MATTOS
PROF. SECRETARÍA DE SALUD
Aprobó: JUAN CARLOS MINDIOLA
SECRETARIO DE SALUD (E)

ESCALA:
1:xxx
FECHA:
Marzo
2024

PLANO:
EST
GNR

OBSERVACIONES:

PLANTA GENERAL DE ZAPATAS / N-2.00
Concreto f'c=280
ESC. 1:125

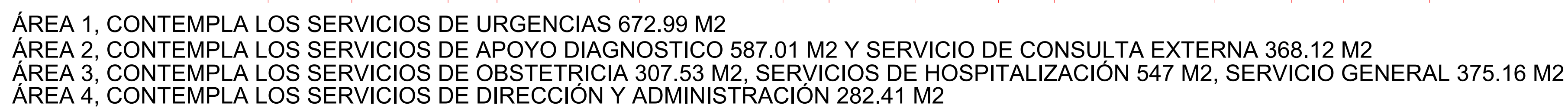


Repanteo de pilares - Fundación			
Columna	Dimensión (cm)	Coordenadas del centro (cm)	
		Coordenada X (cm)	Coordenada Y (cm)
A1	40x40	0	0
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A3	40x40	0	750
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A5	40x40	0	1500
A6	40x40	0	1875
A7	40x40	0	2251
A10	40x40	0	2743
A11	40x40	335	2918
A13	40x40	0	3455
A14	40x40	0	3750
A15	40x40	0	4287
A16	40x40	0	4500
A17	40x40	0	4935
A18	40x40	0	5224
A19	40x40	0	5685
A20	40x40	0	6059
A21	40x40	0	6436
A5	40x40	-291	1500
A6	40x40	-291	1875
A7	40x40	-291	2251
A10	40x40	-291	2743
B11	40x40	335	2918
B13	40x40	335	3455
B14	40x40	335	3750
B15	40x40	335	4287
C1	40x40	505	0
C2	40x40	505	434
C3	40x40	505	750
C4	40x40	505	1020
C5	40x40	505	1500
D22	40x40	583	6733
D23	40x40	583	7303
D24	40x40	583	7783
D25	40x40	583	8200
E6	40x40	750	1875
E7	40x40	750	2251
E10	40x40	750	2743
E11	40x40	750	2918
E13	40x40	750	3455
E14	40x40	750	3750
E15	40x40	750	4287
E16	40x40	750	4500
E18	40x40	750	5224
E19	40x40	750	5685
E20	40x40	750	6059
E21	40x40	750	6436
F22	40x40	1000	6733
F23	40x40	1000	7303
F24	40x40	1000	7783
F25	40x40	1000	8200
F26	40x40	1000	8551
G1	40x40	1109	0
G2	40x40	1109	434
G4	40x40	1109	1020
G5	40x40	1109	1500
G6	40x40	1109	1875
G7	40x40	1109	2251
G10	40x40	1109	2743
H11	40x40	1500	2918
H13	40x40	1500	3455
H14	40x40	1500	3750
H15	40x40	1500	4287
H16	40x40	1500	4500
H18	40x40	1500	5224
H19	40x40	1500	5685
H20	40x40	1500	6059
H21	40x40	1500	6436
H22	40x40	1500	6733
H23	40x40	1500	7303
H24	40x40	1500	7783
H25	40x40	1500	8200
H26	40x40	1500	8551
H27	40x40	1500	9181
I2	40x40	1660	0
I3	40x40	1660	750
I4	40x40	1660	1020
I5	40x40	1660	1500
J1	40x40	1855	0
J2	40x40	1855	434
J3	40x40	1855	750
K11	40x40	2250	2918
K13	40x40	2250	3455
K14	40x40	2250	3750
K15	40x40	2250	4287
K16	40x40	2250	4500
K17	40x40	2250	4935
K18	40x40	2250	5224
K19	40x40	2250	5685
K20	40x40	2250	6059
K21	40x40	2250	6436
K22	40x40	2250	6733
K23	40x40	2250	7303
K24	40x40	2250	7783
K25	40x40	2250	8200
K26	40x40	2250	8551
K27	40x40	2250	9181
L1	40x40	2444	0
L2	40x40	2444	434
L3	40x40	2444	750
M1	40x40	3000	0
M2	40x40	3000	434
M3	40x40	3000	750
M11	40x40	3000	2918
M13	40x40	3000	3455
M14	40x40	3000	3750
M15	40x40	3000	4287
M16	40x40	3000	4500
M17	40x40	3000	4935
M18	40x40	3000	5224
M19	40x40	3000	5685
M20	40x40	3000	6059
M21	40x40	3000	6436
M22	40x40	3000	6733
M23	40x40	3000	7303
M24	40x40	3000	7783
M25	40x40	3000	8200
M26	40x40	3000	8551
M27	40x40	3000	9181
N1	40x40	3270	0
N2	40x40	3270	434
N3	40x40	3270	750
N4	40x40	3270	1020
N5	40x40	3270	1500
N6	40x40	3270	1770
N7	40x40	3451	1935
N8	40x40	3451	2306
N9	40x40	3451	2685
N12	40x40	3451	3052
N12	40x40	3451	3435
N14	40x40	3451	3802
N14	40x40	3451	4186
N17	40x40	3451	4935
N18	40x40	3270	5224
N19	40x40	3270	5584
N21	40x40	3270	6436
N22	40x40	3270	6733
O1	40x40	3750	0
O2	40x40	3750	434
O3	40x40	3750	750
O4	40x40	3750	1020
O5	40x40	3750	1500
O6	40x40	3750	1770
O7	40x40	3750	1935
O8	40x40	3750	2306
O9	40x40	3750	2685
O12	40x40	3750	3052
O12	40x40	3750	3435
O14	40x40	3750	3802
O14	40x40	3750	4186
O17	40x40	3750	4935
O18	40x40	3750	5224
O19	40x40	3750	5584
O22	40x40	3750	6733
O23	40x40	3750	7303
O24	40x40	3750	7783
O25	40x40	3750	8200
O26	40x40	3750	8551
P1	40x40	4500	0
P2	40x40	4500	434
P3	40x40	4500	750
P4	40x40	4500	1020
P5	40x40	4500	1500
P6	40x40	4500	1770
P7	40x40	4500	1935
P8	40x40	4500	2306
P9	40x40	4500	2685
P12	40x40	4500	3052
P12	40x40	4500	3435
P14	40x40	4500	3802
P14	40x40	4500	4186
P17	40x40	4500	4935
P18	40x40	4500	5224
P19	40x40	4500	5584
P22	40x40	4500	6733
Q21	40x40	4791	6436
Q22	40x40	4791	6733
R1	40x40	5250	0
R2	40x40	5250	434
R3	40x40	5250	750
R4	40x40	5250	1020
R5	40x40	5250	1500
R6	40x40	5250	1770
R7	40x40	5250	1935
R8	40x40	5250	2306
R9	40x40	5250	2685
R12	40x40	5250	3052
R12	40x40	5250	3435
R14	40x40	5250	3802
R14	40x40	5250	4186
R17	40x40	5250	4935
R18	40x40	5250	5224
R19	40x40	5250	5584
R21	40x40	5250	6436
R22	40x40	5250	6733

NOTA: Se otorga que los pilares = 1.50 m.

ÁREA 1, CONTEMPLA LOS SERVICIOS DE URGENCIAS 672.99 M2
ÁREA 2, CONTEMPLA LOS SERVICIOS DE APOYO DIAGNOSTICO 587.01 M2 Y SERVICIO DE CONSULTA EXTERNA 368.12 M2
ÁREA 3, CONTEMPLA LOS SERVICIOS DE OBSTETRICIA 307.53 M2, SERVICIOS DE HOSPITALIZACIÓN 547 M2, SERVICIO GENERAL 375.16 M2
ÁREA 4, CONTEMPLA LOS SERVICIOS DE DIRECCIÓN Y ADMINISTRACIÓN 282.41 M2

Concreto $f'_c=280$
ESC. 1:125

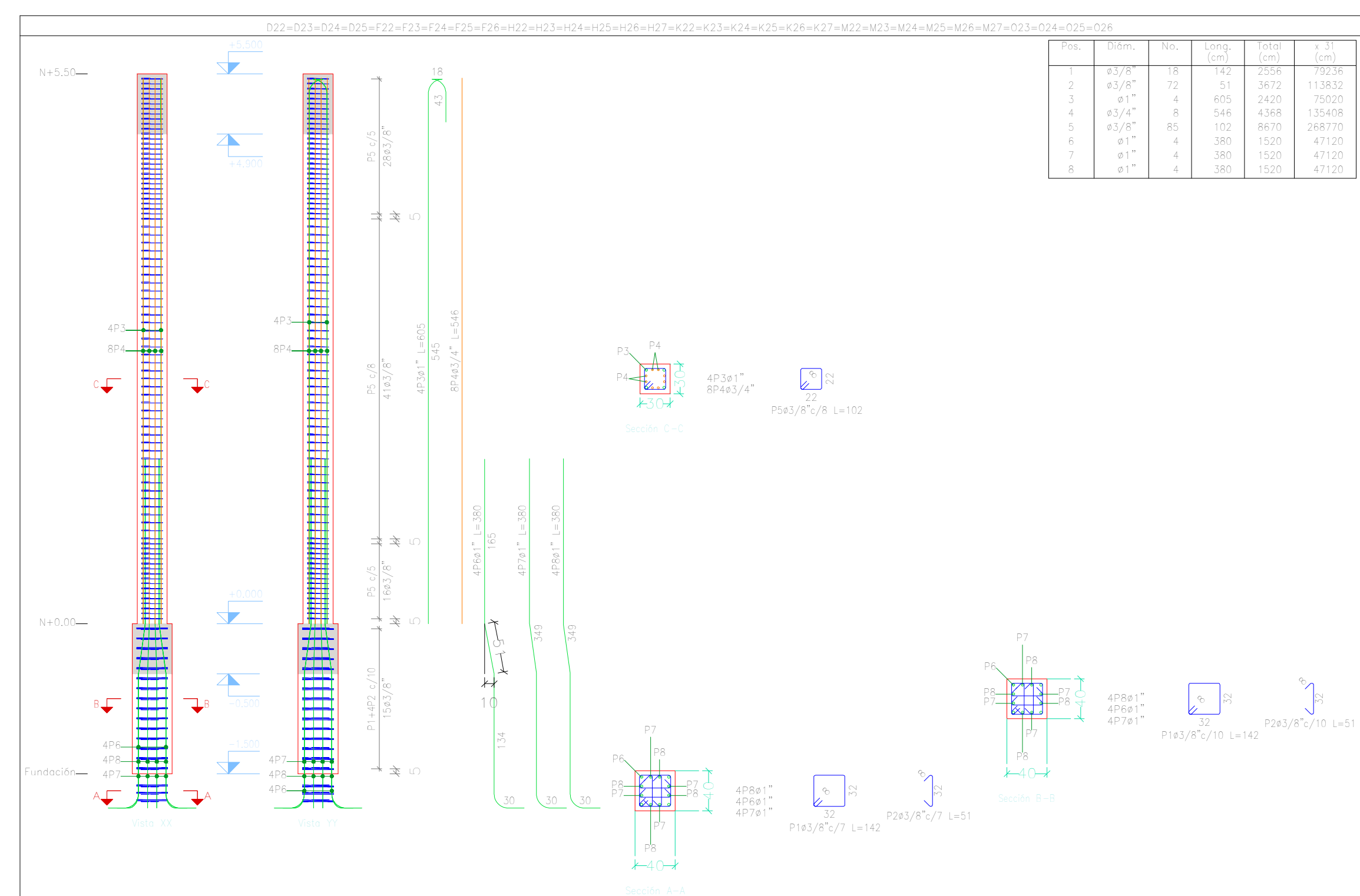
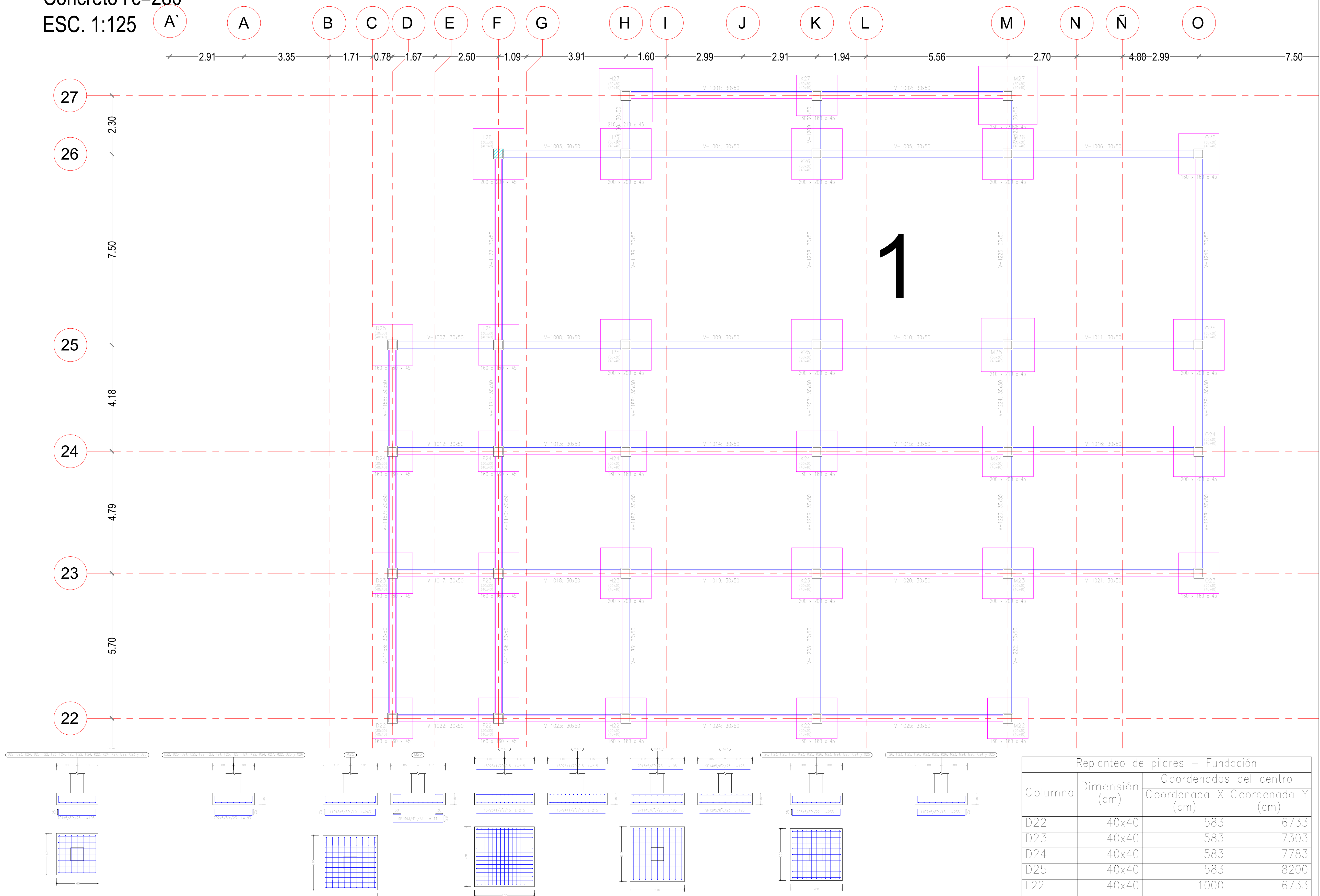


**CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE
HOSPITAL MANAURE DEL MUNICIPIO DE
MANAURE - CESAR**

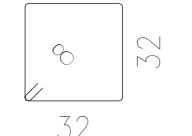
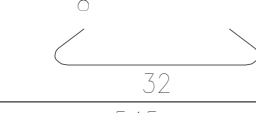
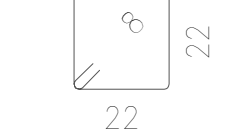
PLANTA VIGA DE
CIMENTACION N+0.00

EST
VCM

PLANTA DE ZAPATAS N-2.00; AREA 1
PLANTA VIGA DE CIMENTACIONES / N+0.00; AREA 1
Concreto f'c=280
ESC. 1:125



Planta	Dimensión (cm)	Hormigón		Armaduras Grado 60 (Latinoamérica)			Cuantía (kg/m³)
		Tipo: f'c=245 Recubrimiento: 4 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volumen (m³)	Encofrado (m²)				
N+5.50	30x30	0.50	6.60	194.0	48.5	266.8	489.90
N+0.00	40x40	0.24	2.40	-	29.0	31.9	120.83
Total (x31)		22.79	279.00	6013.4	2404.8	9259.7	369.39

Elemento	Pos.	Diám.	No.	Esquema (cm)	Long. (cm)	Total (cm)	Grado (kg)
D22=D23=D24=D25=F22=F23=F24=F25 F26=H22=H23=H24=H25=H26=H27=K22 K23=K24=K25=K26=K27=M22=M23=M24 M25=M26=M27=O23=O24=O25=O26	1	ø3/8"	18		142	2556	14.3
	2	ø3/8"	72		51	3672	20.6
	3	ø1"	4		605	2420	96.3
	4	ø3/4"	8		546	4368	97.7
	5	ø3/8"	85		102	8670	48.5
	6	ø1"	4		380	1520	60.5
	7	ø1"	4	Consultor en plano	380	1520	60.5
	8	ø1"	4	Consultor en plano	380	1520	60.5
					Total: 10702, 504.8 (x31) 5648.8		
					ø3/8"	2842.7	
					ø3/4"	5332.5	
					ø1"	8473.6	
					Total:	15648.8	

Repanteo de pilares – Fundación			
Columna	Dimensión (cm)	Coordenadas del centro	
		Coordenada X (cm)	Coordenada Y (cm)
D22	40x40	583	6733
D23	40x40	583	7303
D24	40x40	583	778
D25	40x40	583	8200
F22	40x40	1000	6733
F23	40x40	1000	7303
F24	40x40	1000	7783
F25	40x40	1000	8200
F26	40x40	1000	8951
H22	40x40	1500	6733
H23	40x40	1500	7303
H24	40x40	1500	7783
H25	40x40	1500	8200
H26	40x40	1500	8951
M27	40x40	1500	9181
K22	40x40	2250	6733
K23	40x40	2250	7303
K24	40x40	2250	7783
K25	40x40	2250	8200
K26	40x40	2250	8951
K27	40x40	2250	918
M22	40x40	3000	6733
M23	40x40	3000	7303
M24	40x40	3000	7783
M25	40x40	3000	8200
M26	40x40	3000	8951
M27	40x40	3000	9181
O23	40x40	3750	7303
O24	40x40	3750	7783
O25	40x40	3750	8200
O26	40x40	3750	8951

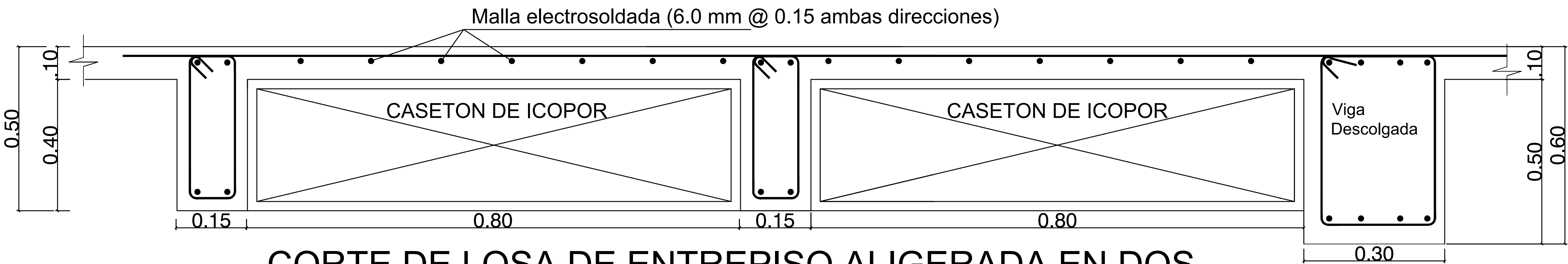
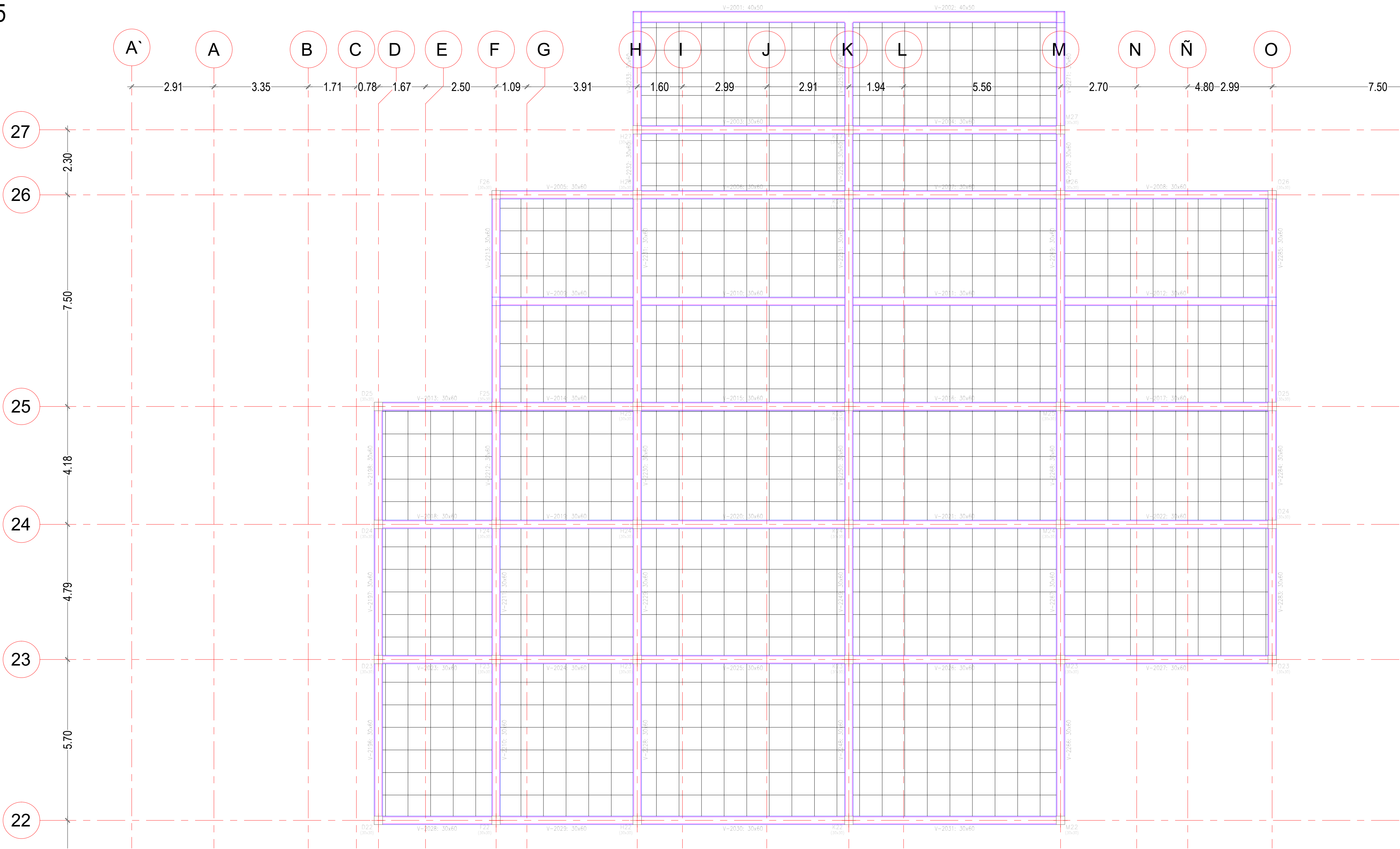
Cota de arranque de los pilares: -1.50 m

CUADRO DE ELEMENTOS DE FUNDACIÓN						
Referencias	Dimensiones (cm)	Altura (cm)	Armado inf. X	Armado inf. Y	Armado sup. X	Armado sup. Y
D22, D23, D24, D25, F22, F23, F24, F25, H22, H24, K22, K24, K27, M22, O23 y O26	160x160	45	7ø5/8" c/23	7ø5/8" c/23		
F26, H23, H25, H26, K23, K25, K26, M23, M24, M26, O24 y O25	200x200	45	9ø5/8" c/22	11ø5/8" c/18		
H27	210x210	45	9ø5/8" c/23	9ø5/8" c/23	9ø5/8" c/23	9ø5/8" c/23
M25	210x210	45	11ø5/8" c/19	9ø3/4" c/23		
M27	230x230	45	15ø1/2" c/15	15ø1/2" c/15	15ø1/2" c/15	15ø1/2" c/15

PLANTA VIGA AEREA N+5.50; AREA 1

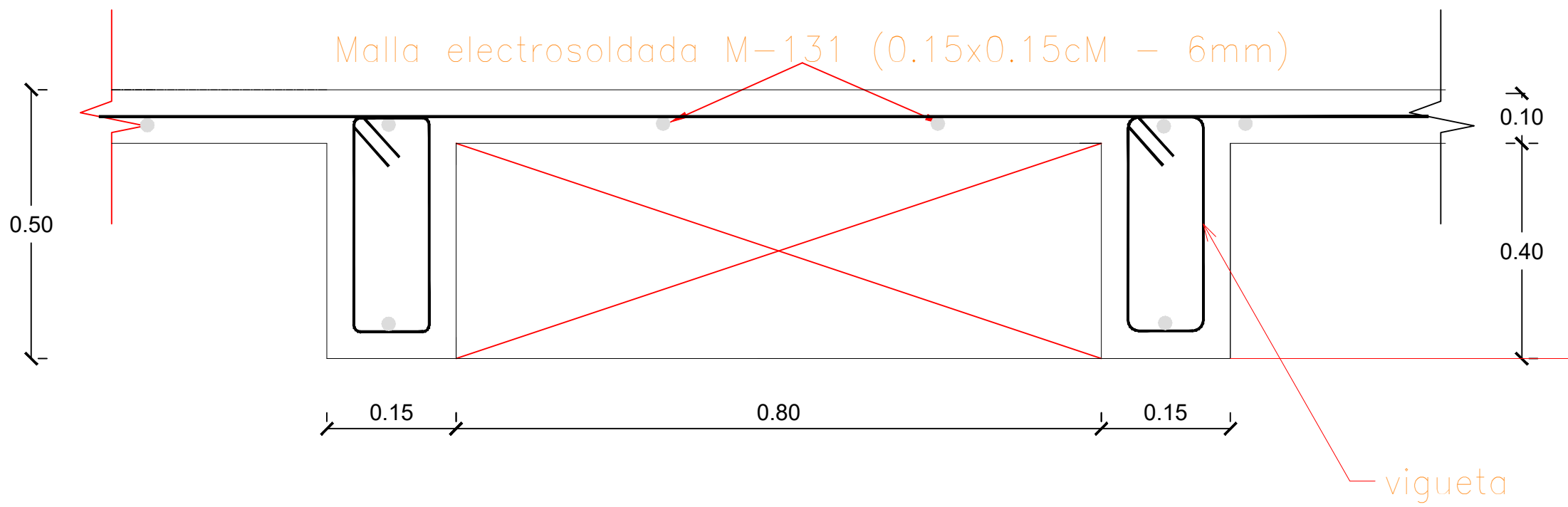
Concreto f'c=280

ESC. 1:125



CORTE DE LOSA DE ENTREPISO ALIGERADA EN DOS DIRECCIONES

Sin Esc.



Vigueta de confinamiento

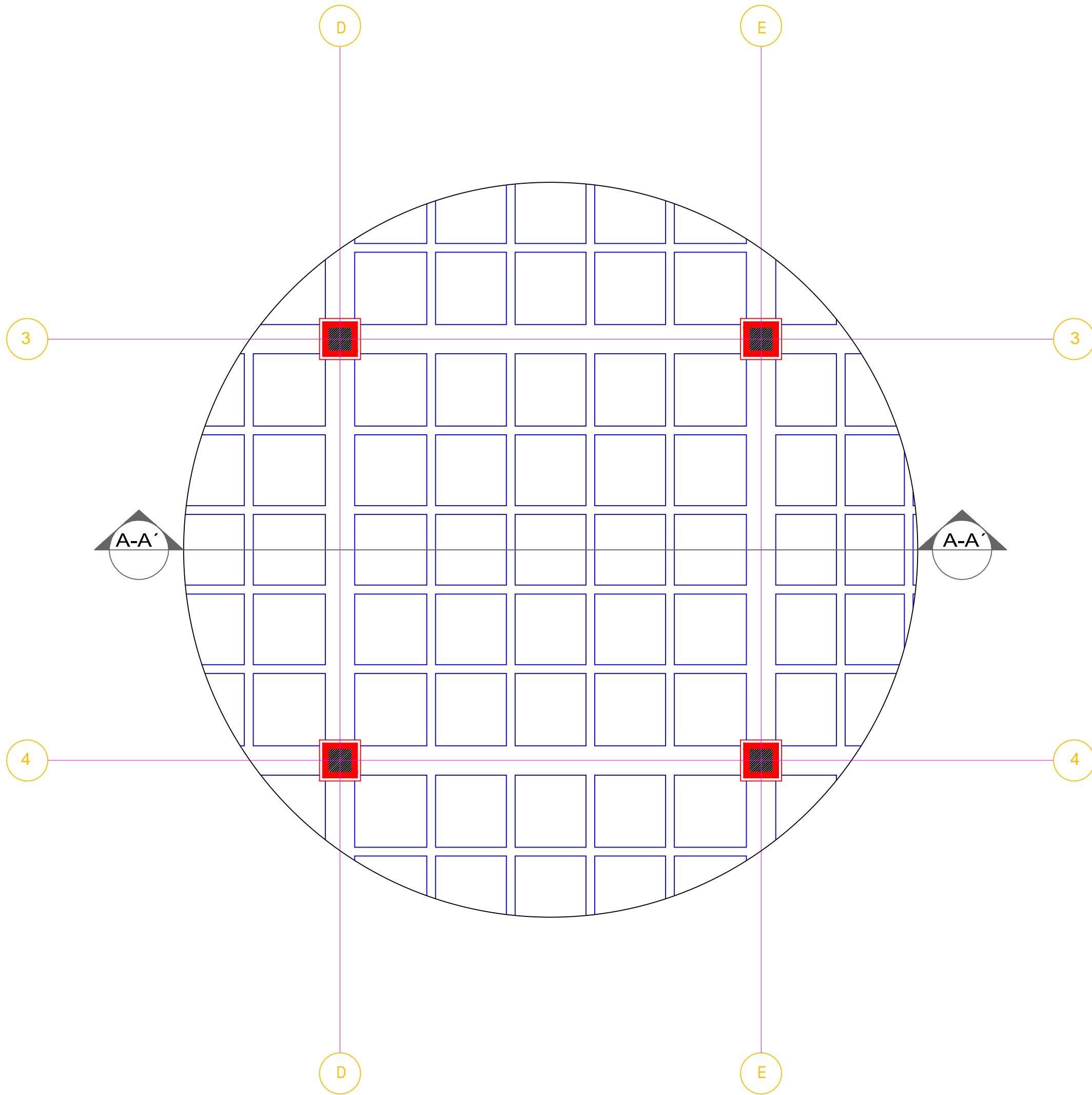
f'c=3.000PSI con 4 ø 1/2"

0.50m

Flejes de 3/8" - C/ 0.20m

0.15

DETALLE DE VIGUETA DE CONFINAMIENTO EN AMBOS SENTIDOS



REPÚBLICA DE COLOMBIA

DEPARTAMENTO DEL CESAR

PROYECTO:

CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE

HOSPITAL MANAURE DEL MUNICIPIO DE

MANAURE - CESAR

CONTIENE:

PLANTA VIGA AEREA N+5.50;

AREA 1

DETALLES DE LOSA

ENTREPISO

Elaboró:

ING. CAMILO A. CASTILLA G.

Revisó:

ARQ. JHONNY ALBERTO MATTOS

Aprobó:

JUAN CARLOS MINDIOLA

ESCALA:

1:xxx

FECHA:

Marzo

2024

PLANO:

EST

1.2/8

OBSERVACIONES:



CUADRO DE ELEMENTOS DE FUNDACIÓN				
Referencias	Dimensiones (cm)	Altura (cm)	Armadura Ref. X	Armadura Ref. Y
A11, A13, A14, A15, A16, A17, A18, A19, A20, A21, B11, B13, B14, B15, E11, E13, E14, E15, E16, E17, E18, E20, E21, H11, H13, H14, H15, H16, H18, H19, H20, H21, K11, K13, K14, K15, K16, K17, K18, K19, K20, K21, M11, M13, M14, M15, M16, M17, M18, M19, M20 y M21	200x200	45	7ø3/4"/29	11ø5/8"/18

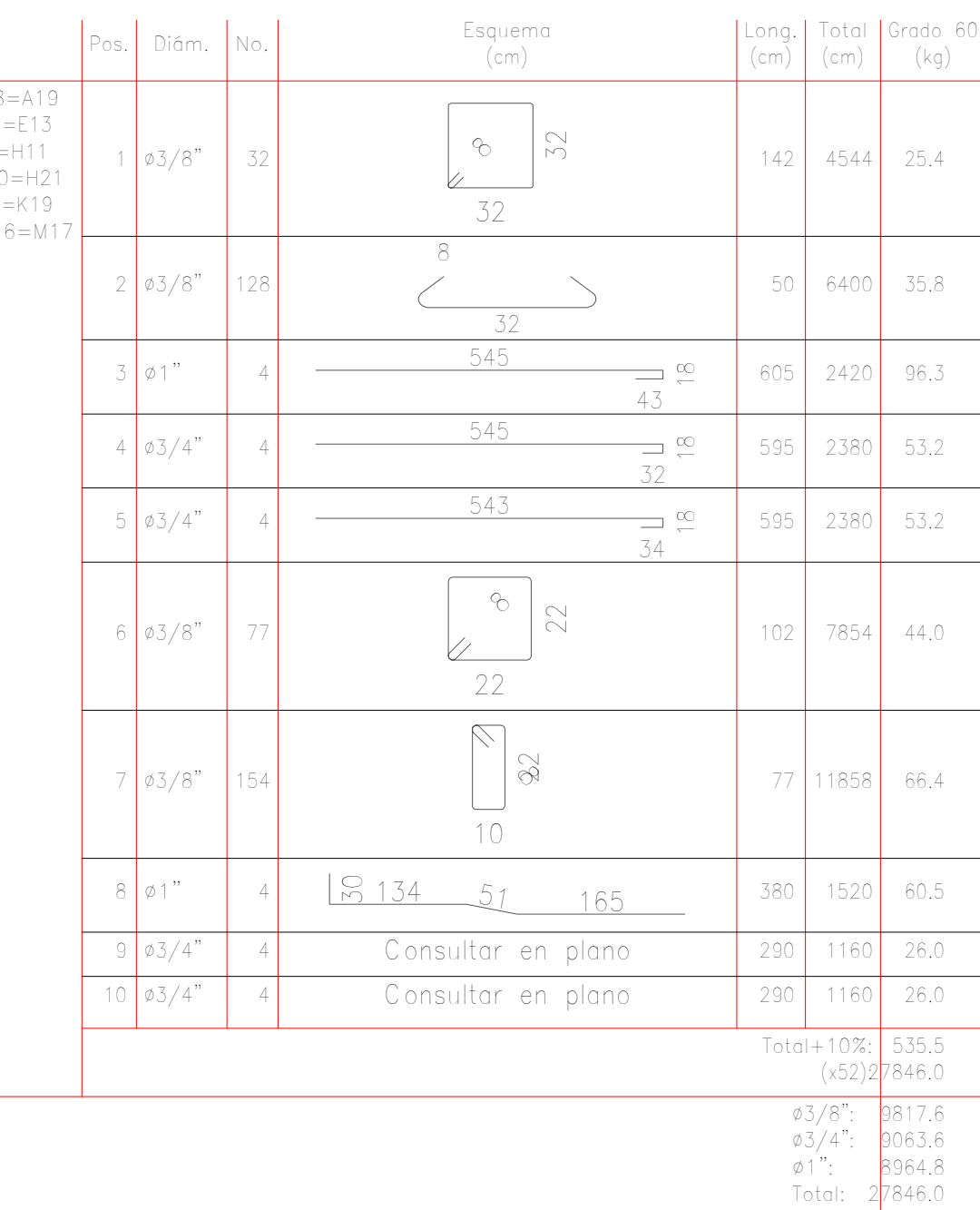
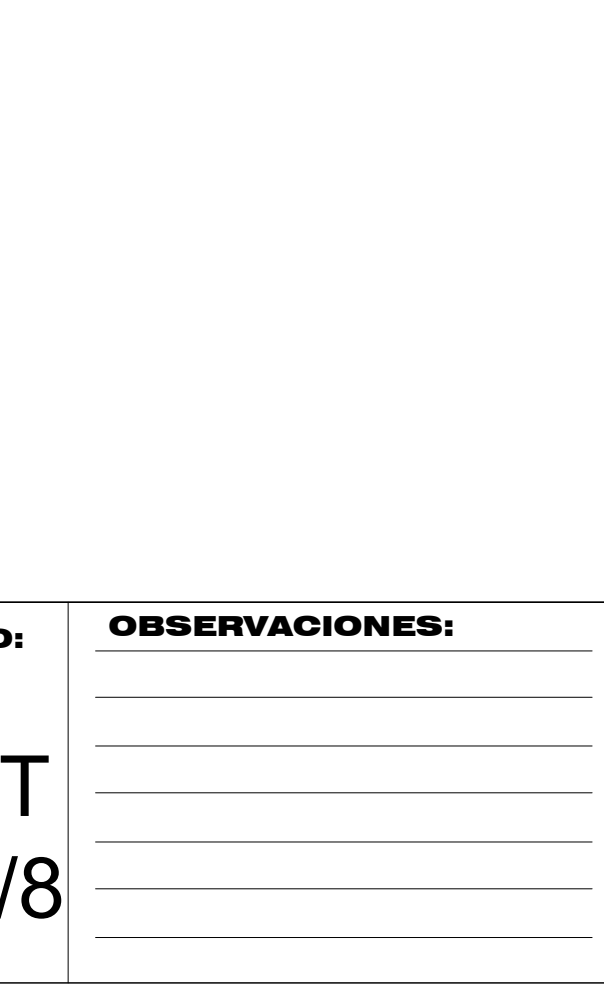
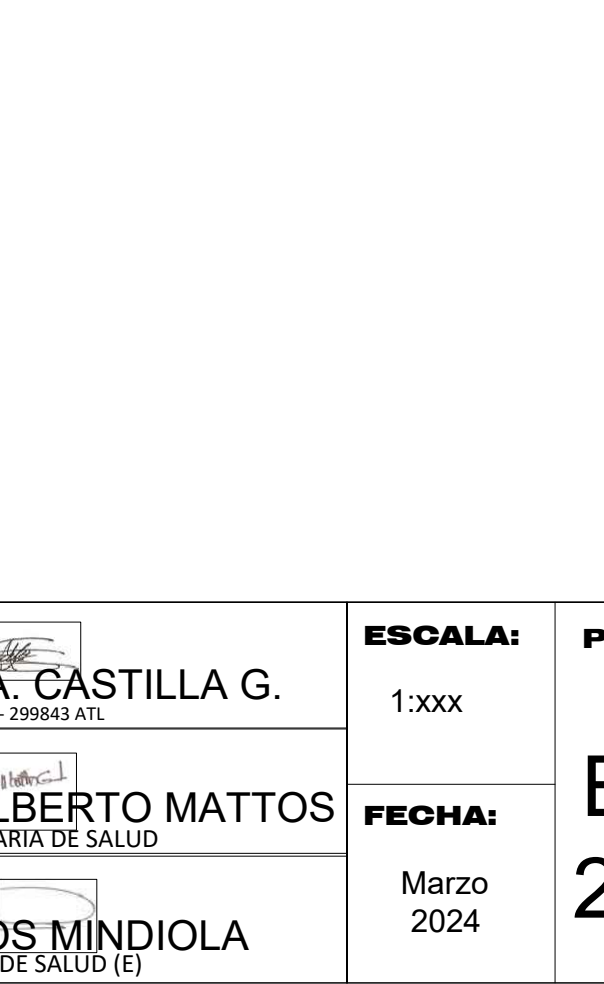
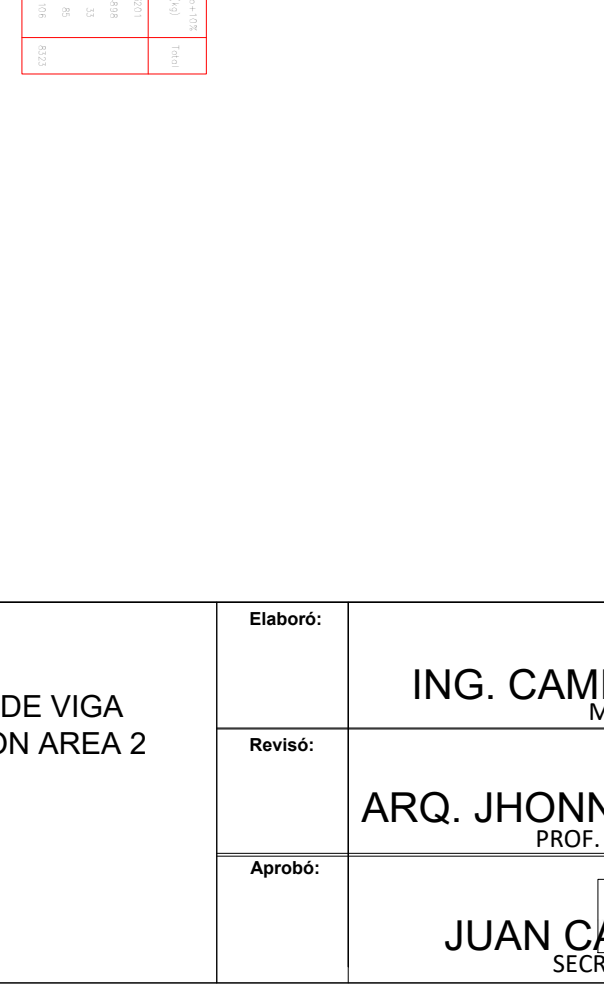
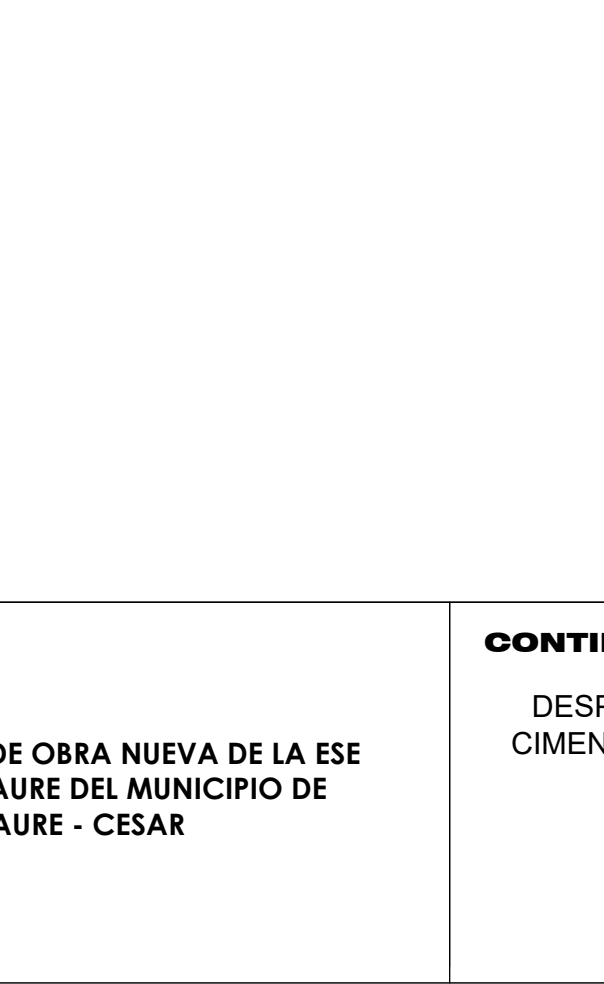
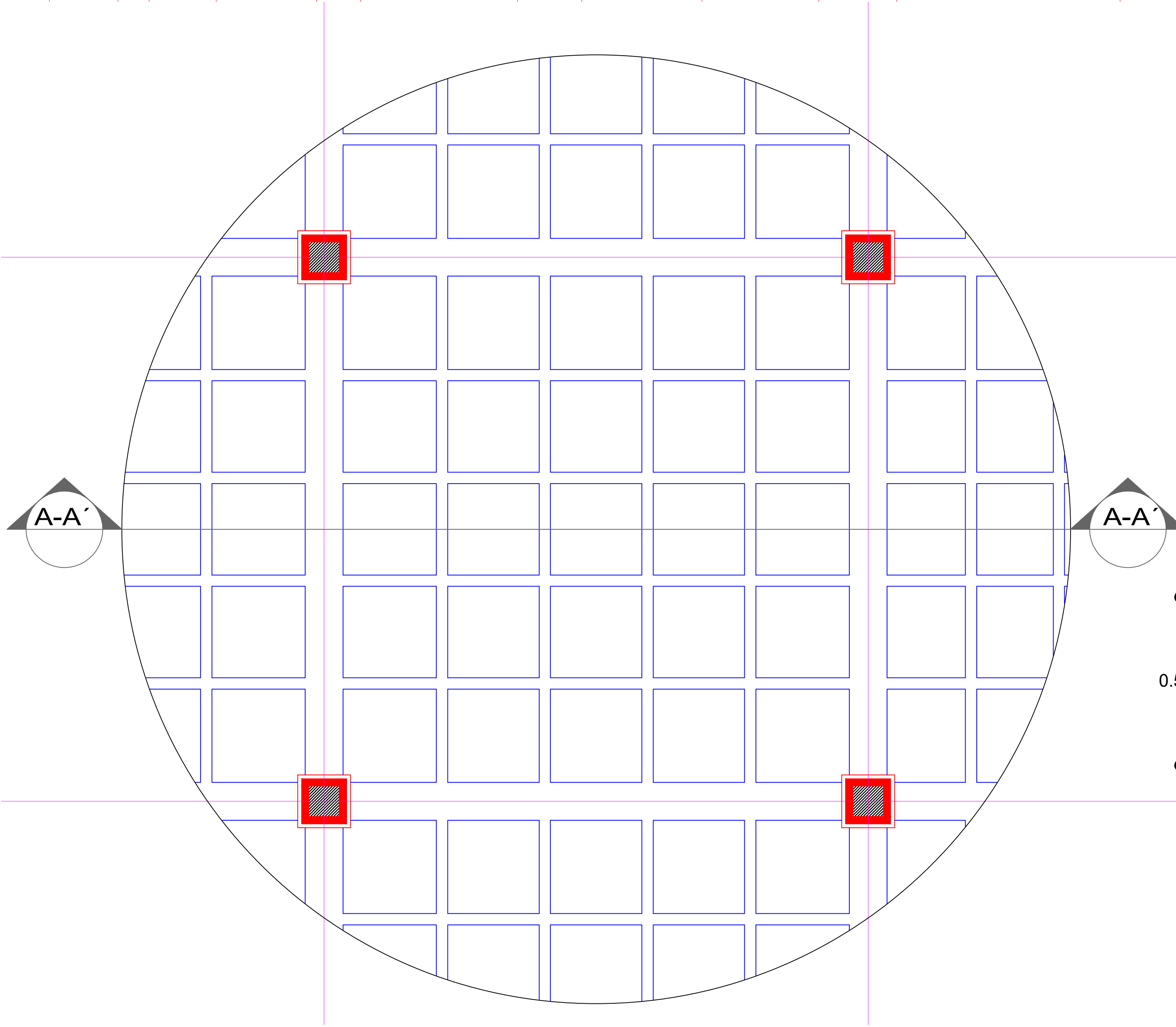
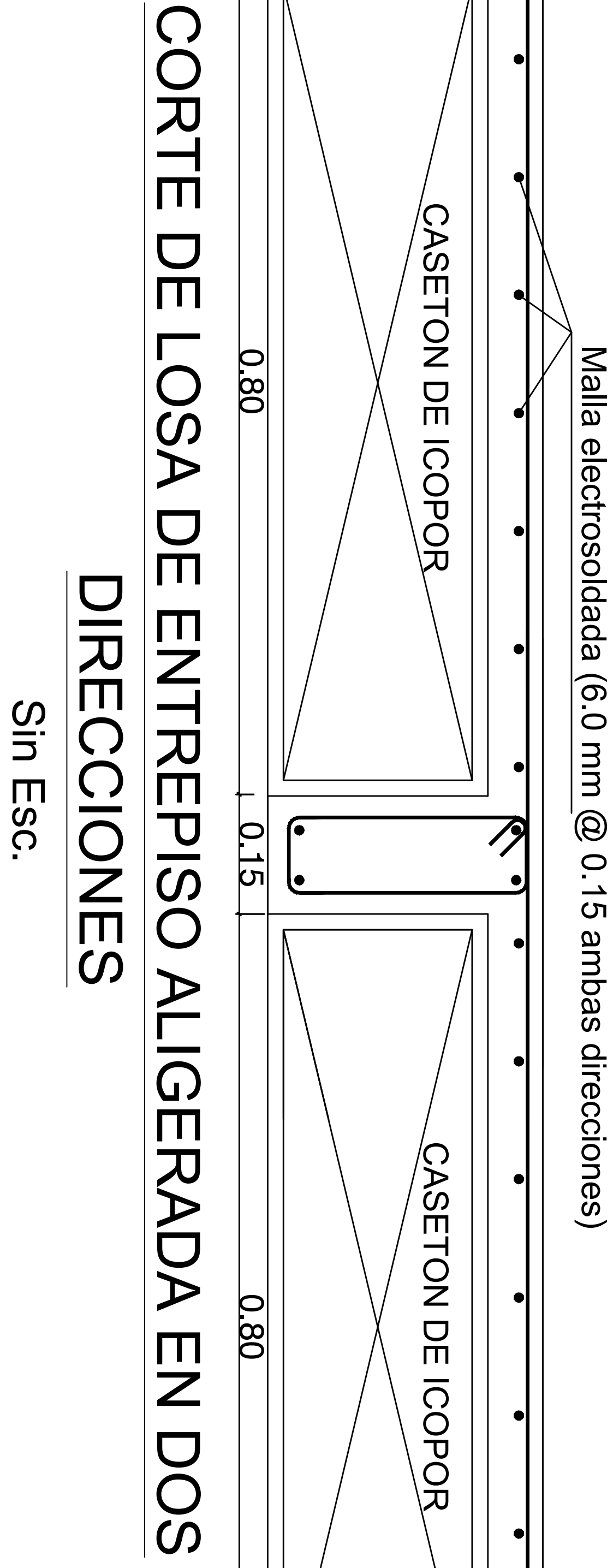
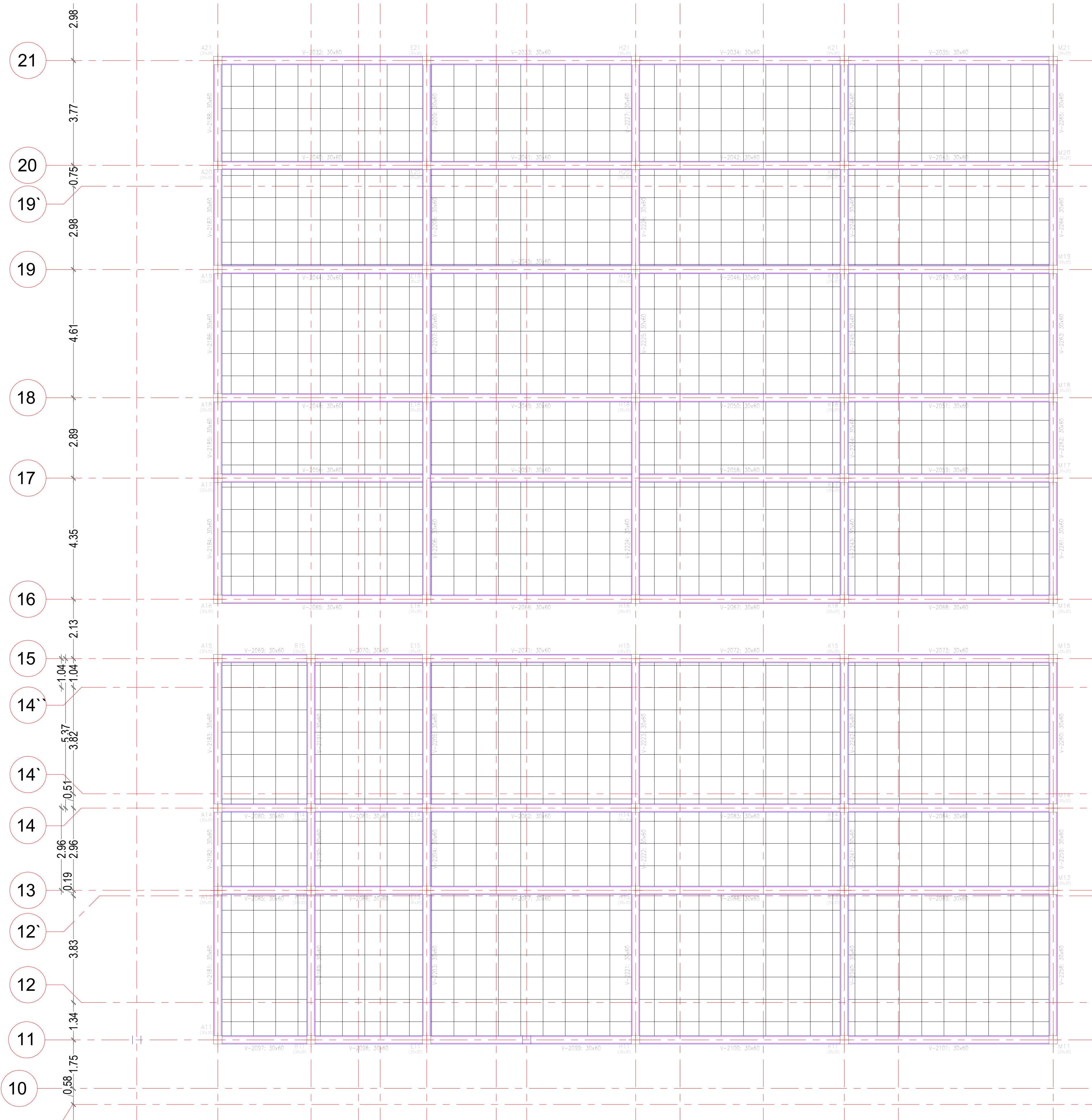


Figure 10		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
Figure 11		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
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Figure 12		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
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Figure 13		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
Figure 14		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
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Figure 15		100x100	4	800	800	100	100
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Figure 16		100x100	4	800	800	100	100
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Figure 17		100x100	4	800	800	100	100
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Figure 18		100x100	4	800	800	100	100
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Figure 19		100x100	4	800	800	100	100
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Figure 20		100x100	4	800	800	100	100
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Figure 21		100x100	4	800	800	100	100
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Figure 22		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
Figure 23		100x100	4	800	800	100	100
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Figure 24		100x100	4	800	800	100	100
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Figure 25		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
Figure 26		100x100	4	800	800	100	100
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		100x100	4	800	800	100	100
		100x100	4	800	800	100	100
Figure 27							



REPÚBLICA DE COLOMBIA DEPARTAMENTO DEL CESAR	PROYECTO: CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE HOSPITAL MANAURE DEL MUNICIPIO DE MANAURE - CESAR	CONTIENE: DESPIECE DE VIGA CIMENTACION AREA 2	Elaboró: ING. CAMILO A. CASTILLA G. M.P 08202 - 299843 ATL	ESCALA: 1:XXX	PLANO: EST 2.1/8	OBSERVACIONES:
			Revisó: ARQ. JHONNY ALBERTO MATTOS PROF. SECRETARIA DE SALUD	FECHA: Marzo 2024		
			Aprobó: JUAN CARLOS MINDIOLA			



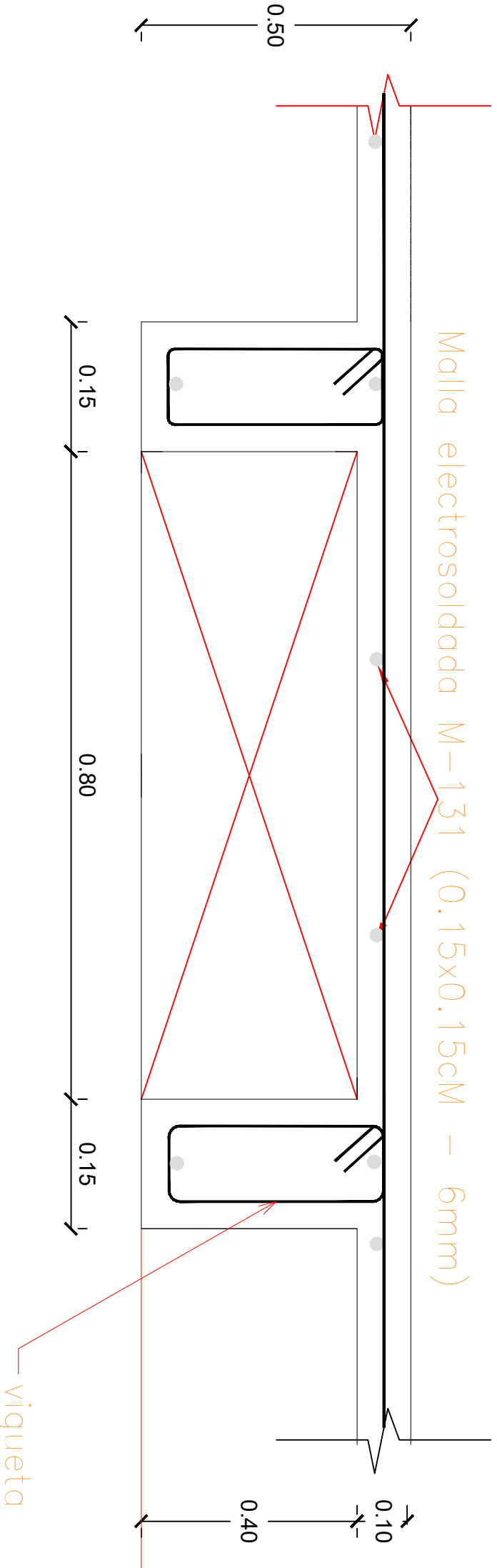
Vigueta de confinamiento
f'c=3.000PSI con 4 ø 1/2"

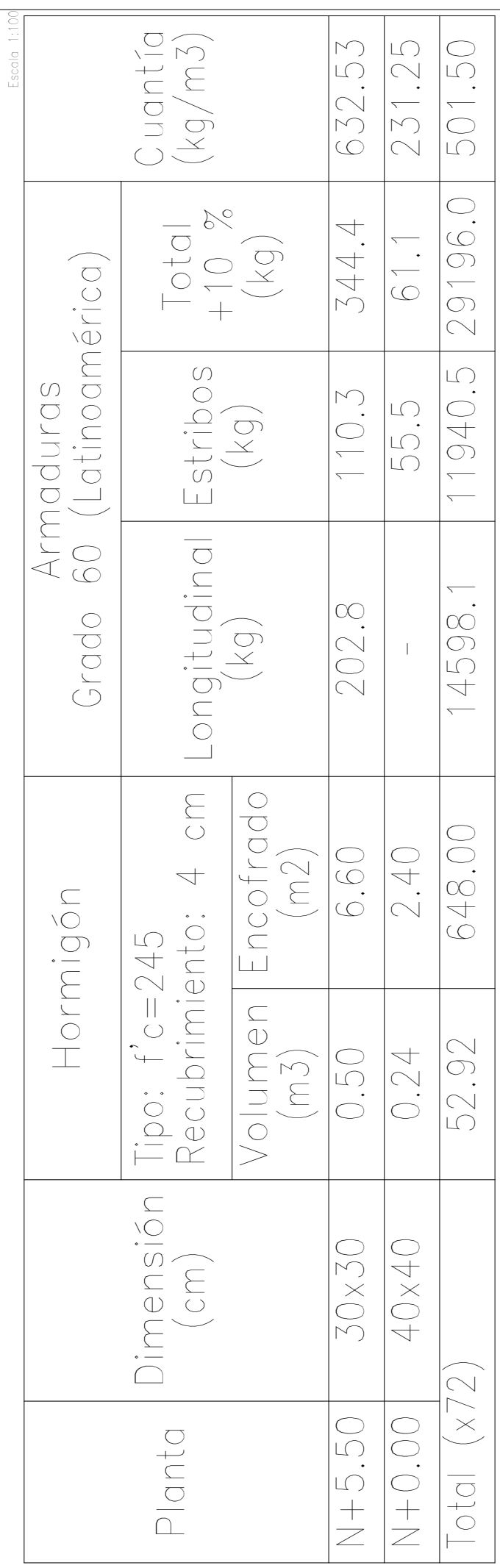
Flejes de 3/8" - C/ 0.20m

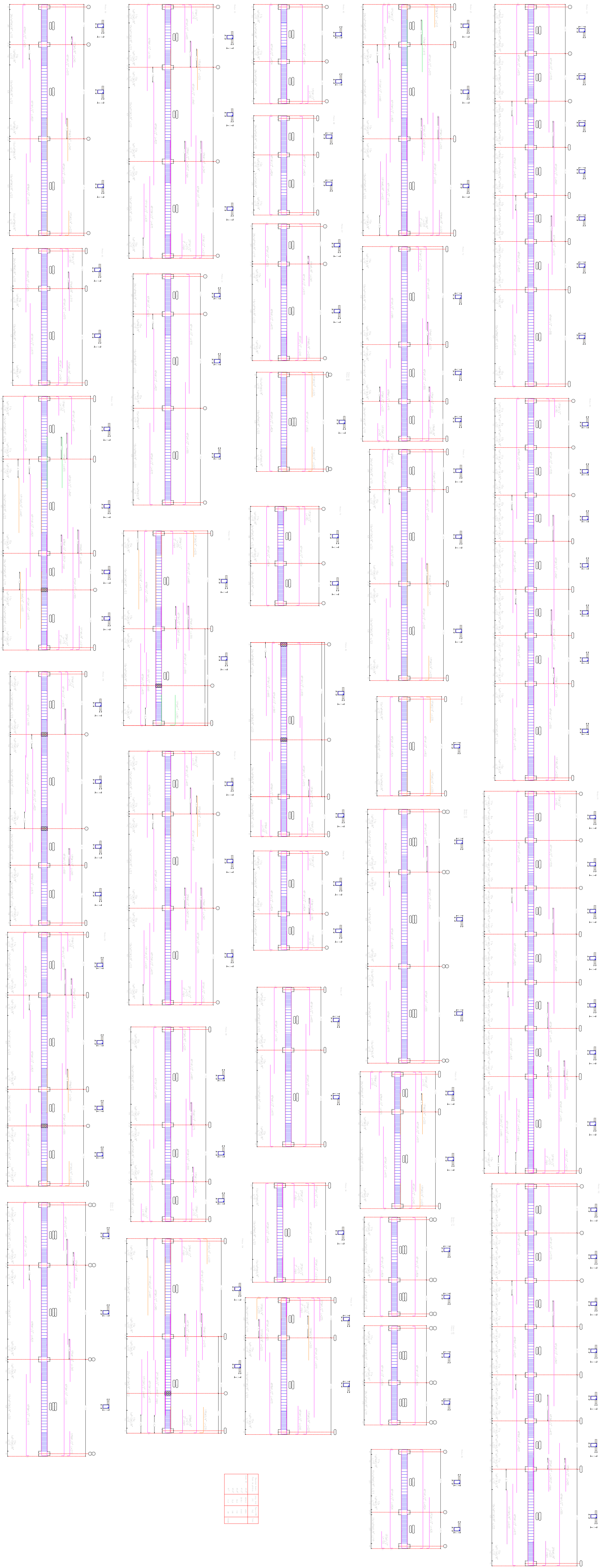
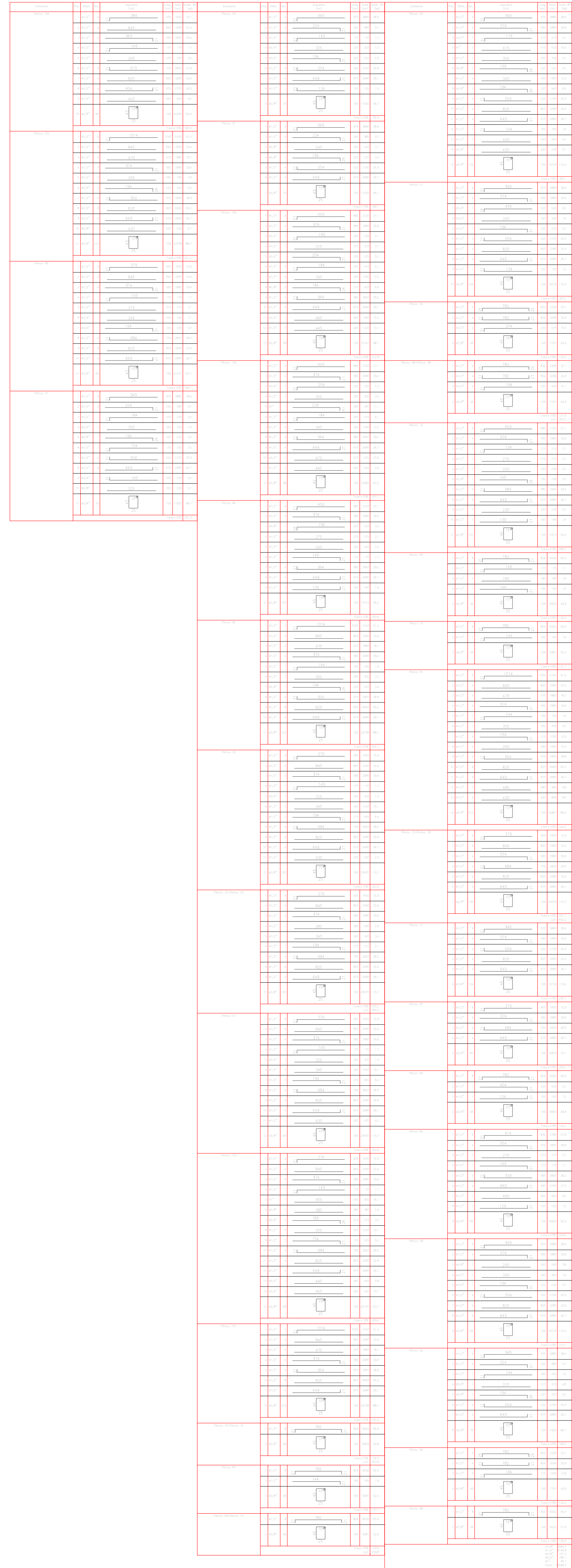
0.50m

0.15

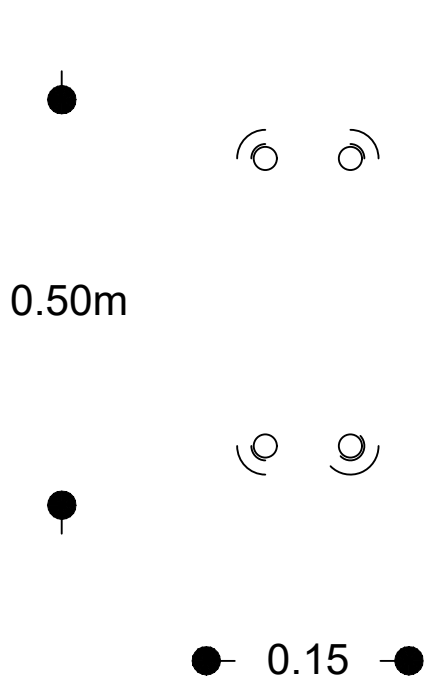
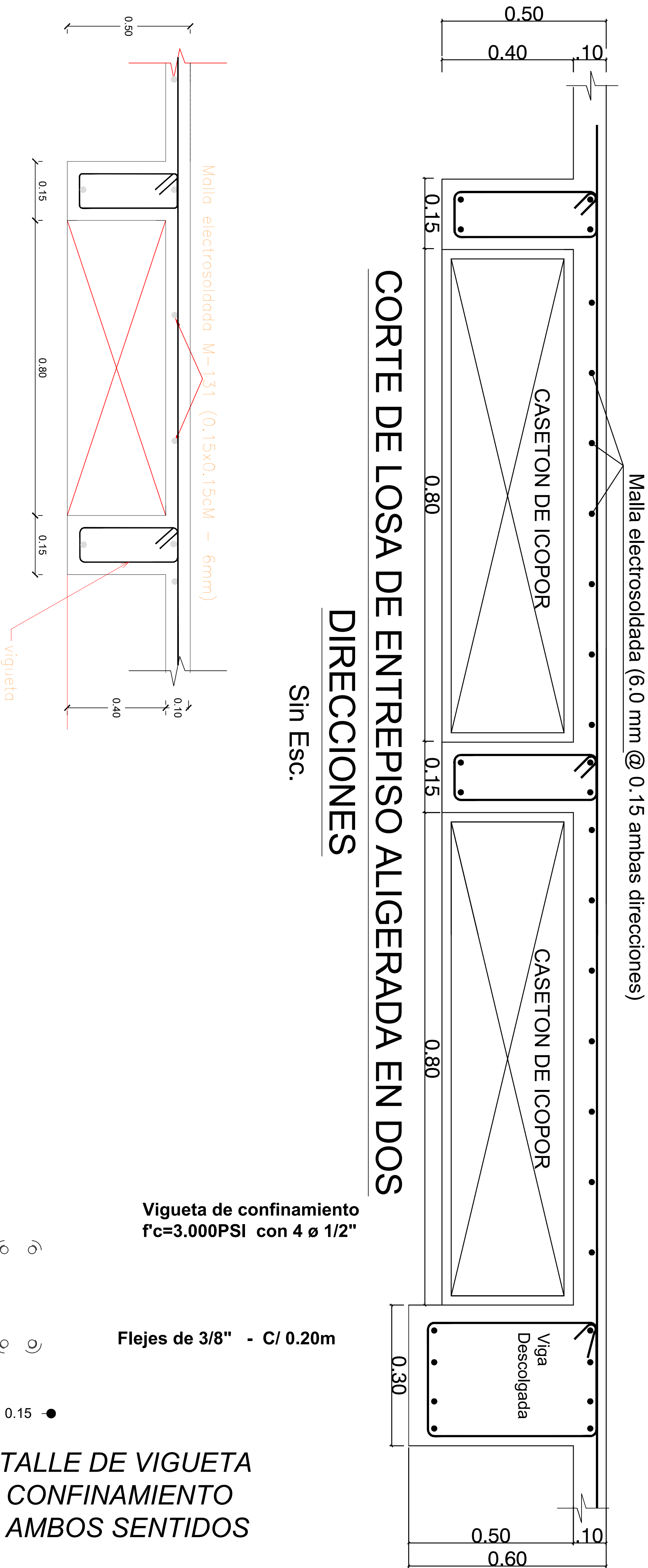
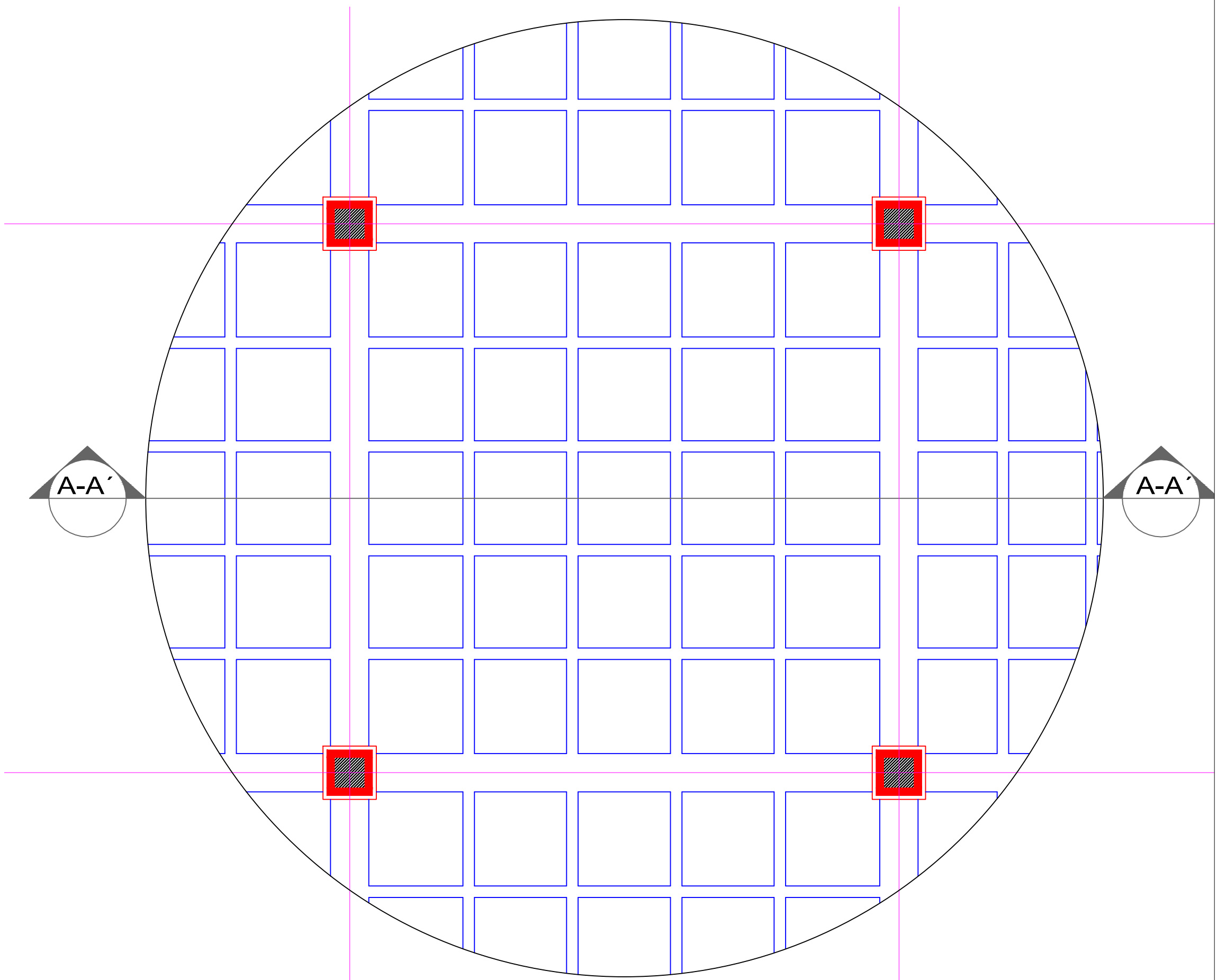
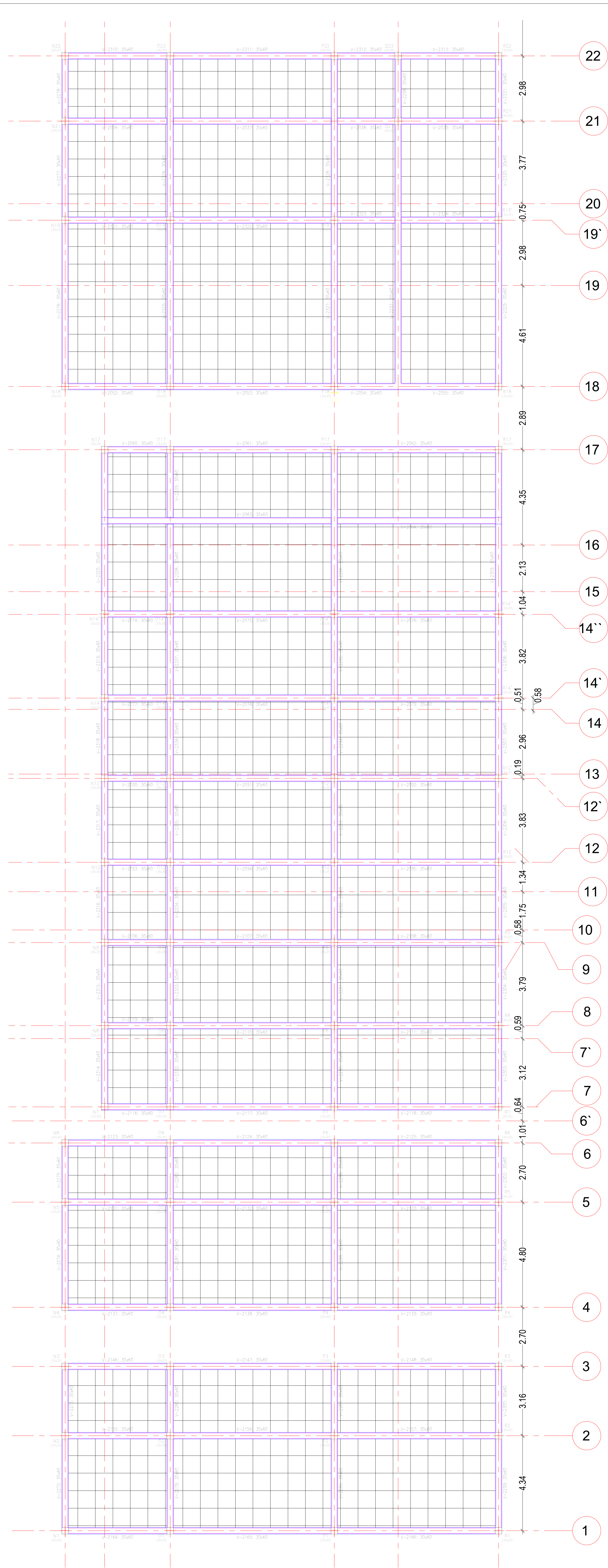
DETALLE DE VIGUETA DE CONFINAMIENTO EN AMBOS SENTIDOS

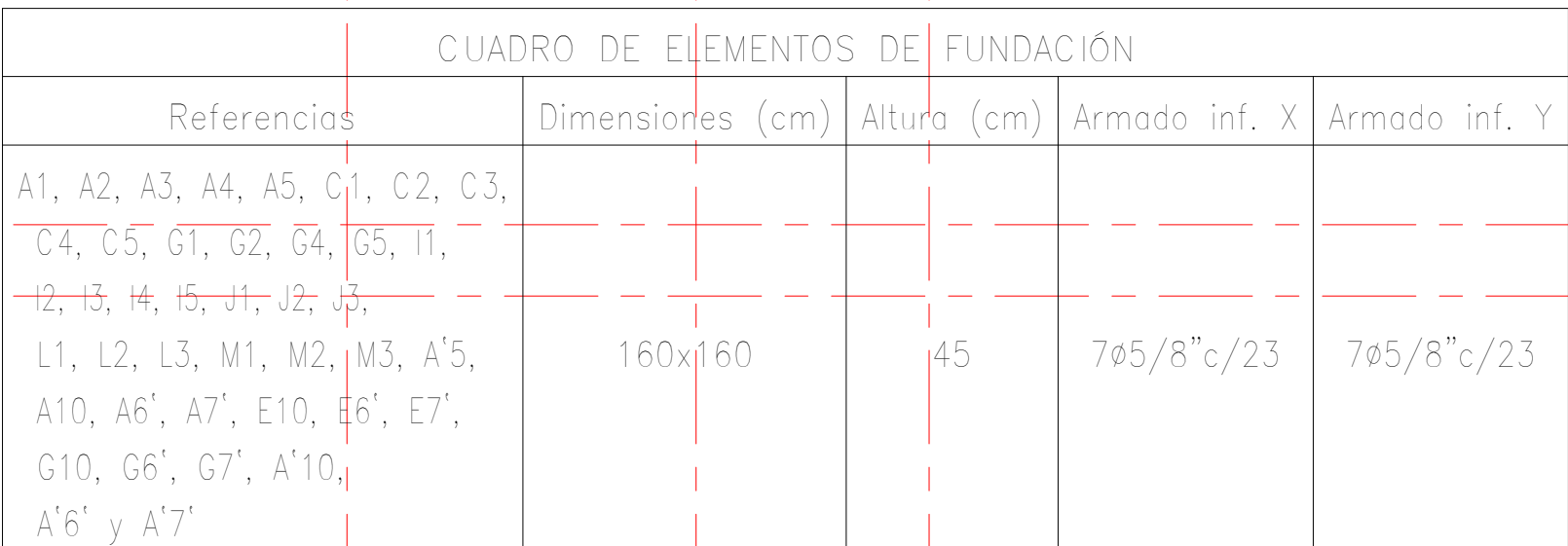




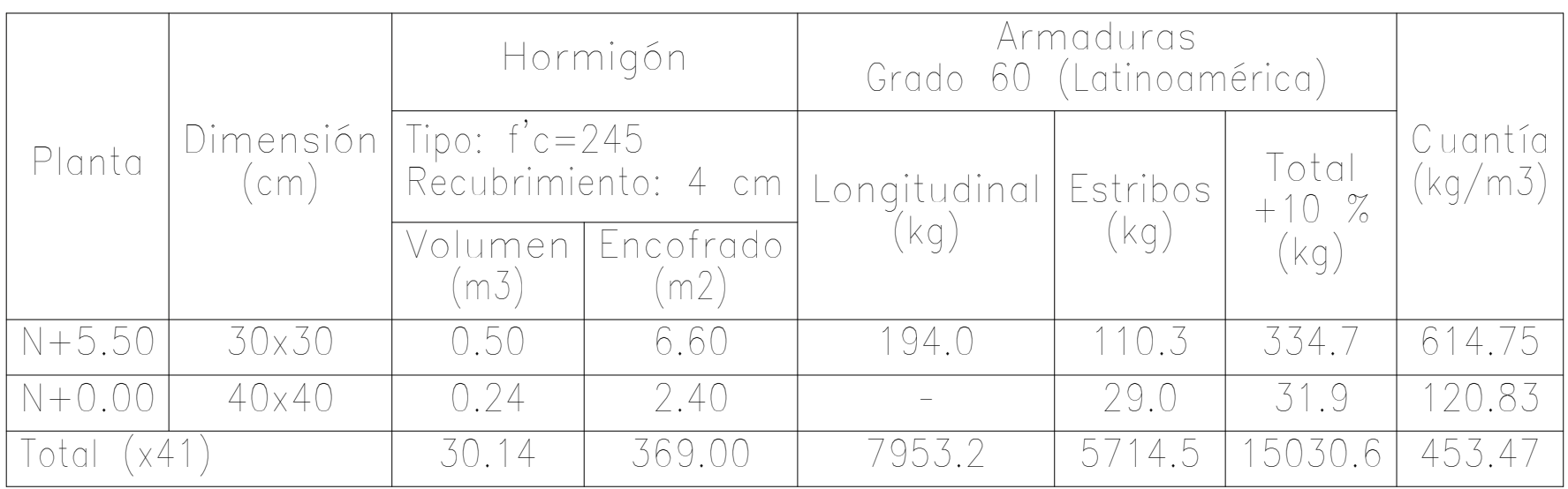


Year	Age group	%	95% CI	Median Age (range in years)
1979-80	0-9	10.1	8.7-11.5	26-30
	10-14	9.5	8.2-10.8	31-35
	15-19	7.9	6.7-9.1	36-40
	20-24	6.4	5.3-7.5	41-45
	25-29	5.0	4.0-6.0	46-50



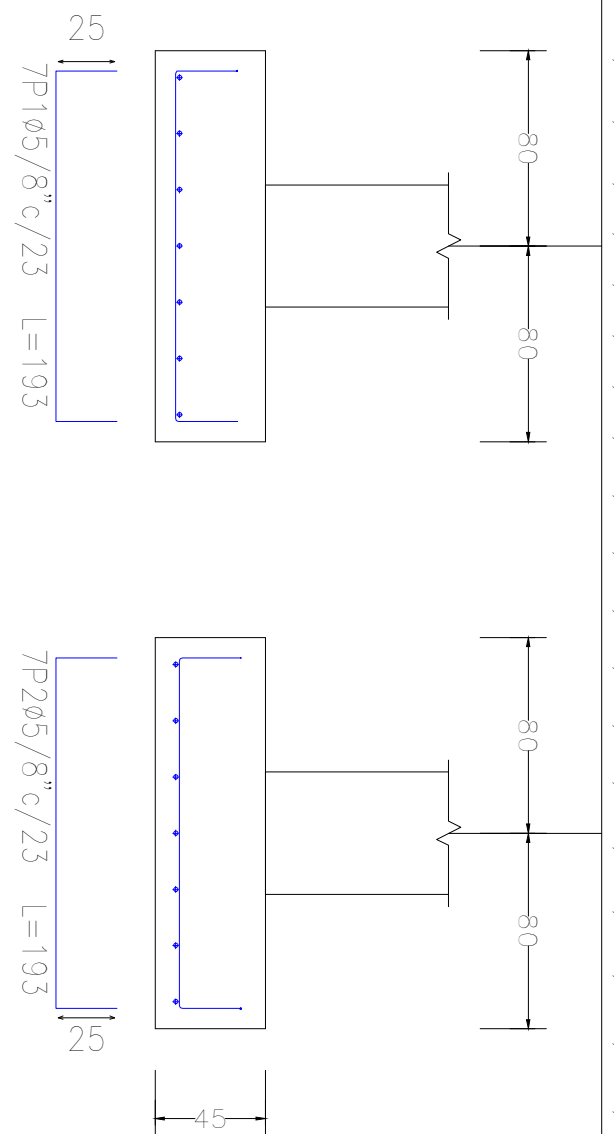
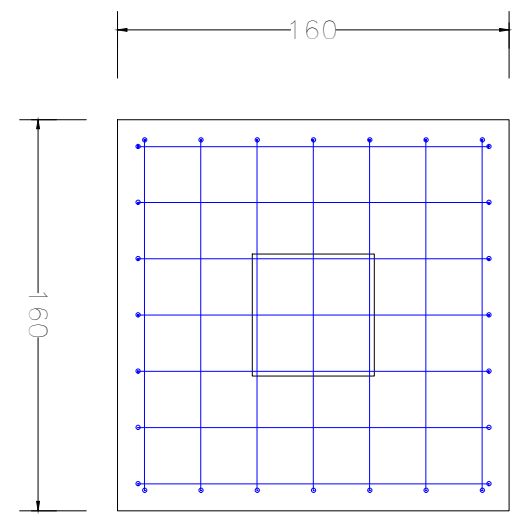


4



Elemento	Pos.	Díam.	No.	Esquema (cm)	Long. (cm)	Total (cm)	Grado (kg)
A1=A2=A3=A4=A5=A6=A7=A10=A'1=A'6' A'7'=A10'=C1=C2=C3=C4=C5=C6=C7=C10 C1=C2=C4=C5=C6'=C7'=C10'=I1=I2=I3=I4 I5=I1=I2=I3=I4=I5=I6=I7=I8=I9=I10=I11=I12=I13=I14=I15=I16=I17=I18=I19=I20=I21=I22=I23=I24=I25=I26=I27=I28=I29=I30=I31=I32=I33=I34=I35=I36=I37=I38=I39=I40=I41=I42=I43=I44=I45=I46=I47=I48=I49=I50=I51=I52=I53=I54=I55=I56=I57=I58=I59=I60=I61=I62=I63=I64=I65=I66=I67=I68=I69=I70=I71=I72=I73=I74=I75=I76=I77=I78=I79=I80=I81=I82=I83=I84=I85=I86=I87=I88=I89=I90=I91=I92=I93=I94=I95=I96=I97=I98=I99=I100=I101=I102=I103=I104=I105=I106=I107=I108=I109=I110=I111=I112=I113=I114=I115=I116=I117=I118=I119=I120=I121=I122=I123=I124=I125=I126=I127=I128=I129=I130=I131=I132=I133=I134=I135=I136=I137=I138=I139=I140=I141=I142=I143=I144=I145=I146=I147=I148=I149=I150=I151=I152=I153=I154=I155=I156=I157=I158=I159=I160=I161=I162=I163=I164=I165=I166=I167=I168=I169=I170=I171=I172=I173=I174=I175=I176=I177=I178=I179=I180=I181=I182=I183=I184=I185=I186=I187=I188=I189=I190=I191=I192=I193=I194=I195=I196=I197=I198=I199=I200=I201=I202=I203=I204=I205=I206=I207=I208=I209=I210=I211=I212=I213=I214=I215=I216=I217=I218=I219=I220=I221=I222=I223=I224=I225=I226=I227=I228=I229=I230=I231=I232=I233=I234=I235=I236=I237=I238=I239=I240=I241=I242=I243=I244=I245=I246=I247=I248=I249=I250=I251=I252=I253=I254=I255=I256=I257=I258=I259=I260=I261=I262=I263=I264=I265=I266=I267=I268=I269=I270=I271=I272=I273=I274=I275=I276=I277=I278=I279=I280=I281=I282=I283=I284=I285=I286=I287=I288=I289=I290=I291=I292=I293=I294=I295=I296=I297=I298=I299=I300=I301=I302=I303=I304=I305=I306=I307=I308=I309=I310=I311=I312=I313=I314=I315=I316=I317=I318=I319=I320=I321=I322=I323=I324=I325=I326=I327=I328=I329=I330=I331=I332=I333=I334=I335=I336=I337=I338=I339=I340=I341=I342=I343=I344=I345=I346=I347=I348=I349=I350=I351=I352=I353=I354=I355=I356=I357=I358=I359=I360=I361=I362=I363=I364=I365=I366=I367=I368=I369=I370=I371=I372=I373=I374=I375=I376=I377=I378=I379=I380=I381=I382=I383=I384=I385=I386=I387=I388=I389=I390=I391=I392=I393=I394=I395=I396=I397=I398=I399=I400=I401=I402=I403=I404=I405=I406=I407=I408=I409=I410=I411=I412=I413=I414=I415=I416=I417=I418=I419=I420=I421=I422=I423=I424=I425=I426=I427=I428=I429=I430=I431=I432=I433=I434=I435=I436=I437=I438=I439=I440=I441=I442=I443=I444=I445=I446=I447=I448=I449=I450=I451=I452=I453=I454=I455=I456=I457=I458=I459=I460=I461=I462=I463=I464=I465=I466=I467=I468=I469=I470=I471=I472=I473=I474=I475=I476=I477=I478=I479=I480=I481=I482=I483=I484=I485=I486=I487=I488=I489=I490=I491=I492=I493=I494=I495=I496=I497=I498=I499=I500=I501=I502=I503=I504=I505=I506=I507=I508=I509=I510=I511=I512=I513=I514=I515=I516=I517=I518=I519=I520=I521=I522=I523=I524=I525=I526=I527=I528=I529=I530=I531=I532=I533=I534=I535=I536=I537=I538=I539=I540=I541=I542=I543=I544=I545=I546=I547=I548=I549=I550=I551=I552=I553=I554=I555=I556=I557=I558=I559=I560=I561=I562=I563=I564=I565=I566=I567=I568=I569=I570=I571=I572=I573=I574=I575=I576=I577=I578=I579=I580=I581=I582=I583=I584=I585=I586=I587=I588=I589=I590=I591=I592=I593=I594=I595=I596=I597=I598=I599=I600=I601=I602=I603=I604=I605=I606=I607=I608=I609=I610=I611=I612=I613=I614=I615=I616=I617=I618=I619=I620=I621=I622=I623=I624=I625=I626=I627=I628=I629=I630=I631=I632=I633=I634=I635=I636=I637=I638=I639=I640=I641=I642=I643=I644=I645=I646=I647=I648=I649=I650=I651=I652=I653=I654=I655=I656=I657=I658=I659=I660=I661=I662=I663=I664=I665=I666=I667=I668=I669=I670=I671=I672=I673=I674=I675=I676=I677=I678=I679=I680=I681=I682=I683=I684=I685=I686=I687=I688=I689=I690=I691=I692=I693=I694=I695=I696=I697=I698=I699=I700=I701=I702=I703=I704=I705=I706=I707=I708=I709=I710=I711=I712=I713=I714=I715=I716=I717=I718=I719=I720=I721=I722=I723=I724=I725=I726=I727=I728=I729=I730=I731=I732=I733=I734=I735=I736=I737=I738=I739=I740=I741=I742=I743=I744=I745=I746=I747=I748=I749=I750=I751=I752=I753=I754=I755=I756=I757=I758=I759=I760=I761=I762=I763=I764=I765=I766=I767=I768=I769=I770=I771=I772=I773=I774=I775=I776=I777=I778=I779=I780=I781=I782=I783=I784=I785=I786=I787=I788=I789=I790=I791=I792=I793=I794=I795=I796=I797=I798=I799=I800=I801=I802=I803=I804=I805=I806=I807=I808=I809=I810=I811=I812=I813=I814=I815=I816=I817=I818=I819=I820=I821=I822=I823=I824=I825=I826=I827=I828=I829=I830=I831=I832=I833=I834=I835=I836=I837=I838=I839=I840=I841=I842=I843=I844=I845=I846=I847=I848=I849=I850=I851=I852=I853=I854=I855=I856=I857=I858=I859=I860=I861=I862=I863=I864=I865=I866=I867=I868=I869=I870=I871=I872=I873=I874=I875=I876=I877=I878=I879=I880=I881=I882=I883=I884=I885=I886=I887=I888=I889=I890=I891=I892=I893=I894=I895=I896=I897=I898=I899=I900=I901=I902=I903=I904=I905=I906=I907=I908=I909=I910=I911=I912=I913=I914=I915=I916=I917=I918=I919=I920=I921=I922=I923=I924=I925=I926=I927=I928=I929=I930=I931=I932=I933=I934=I935=I936=I937=I938=I939=I940=I941=I942=I943=I944=I945=I946=I947=I948=I949=I950=I951=I952=I953=I954=I955=I956=I957=I958=I959=I960=I961=I962=I963=I964=I965=I966=I967=I968=I969=I970=I971=I972=I973=I974=I975=I976=I977=I978=I979=I980=I981=I982=I983=I984=I985=I986=I987=I988=I989=I990=I991=I992=I993=I994=I995=I996=I997=I998=I999=I1000=I1001=I1002=I1003=I1004=I1005=I1006=I1007=I1008=I1009=I1010=I1011=I1012=I1013=I1014=I1015=I1016=I1017=I1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Replanteo de pilares – Fundación			
Columna	Dimensión (cm)	Coordenadas del centro	
		Coordenada X (cm)	Coordenada Y (cm)
A1	40x40	0	0
A2	40x40	0	434
A3	40x40	0	750
A4	40x40	0	1020
A5	40x40	0	1500
A6'	40x40	0	1875
A7'	40x40	0	2251
A10	40x40	0	2743
A'5	40x40	-291	1500
A'6'	40x40	-291	1875
A'7'	40x40	-291	2251
A'10	40x40	-291	2743
C1	40x40	505	0
C2	40x40	505	434
C3	40x40	505	750
C4	40x40	505	1020
C5	40x40	505	1500
E6'	40x40	750	1875
E7'	40x40	750	2251
E10	40x40	750	2743
G1	40x40	1109	0
G2	40x40	1109	434
G4	40x40	1109	1020
G5	40x40	1109	1500
G6'	40x40	1109	1875
G7'	40x40	1109	2251
G10	40x40	1109	2743
I1	40x40	1660	0
I2	40x40	1660	434
I3	40x40	1660	750
I4	40x40	1660	1020
I5	40x40	1660	1500
J1	40x40	1959	0
J2	40x40	1959	434
J3	40x40	1959	750
L1	40x40	2444	0
L2	40x40	2444	434
L3	40x40	2444	750
M1	40x40	3000	0
M2	40x40	3000	434
M3	40x40	3000	750
Cota de arranque de los pilotes: -1.50 m			



A1, A2, A3, A4, A5, A7, A8, C1, C2, C3, C4, C5, E7, E8, G1, G2, G4, G5, G7, G8, I1, I2, I3, I4, I5, J1, J2, J3, L1, L2, L3, M1, M2, M3, A5, A7, A8, A10, E10, G10 y A'10



REPÚBLICA DE COLOMBIA
DEPARTAMENTO DEL CESAR

PROYECTO:

**CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE
HOSPITAL MANAURE DEL MUNICIPIO DE
MANAURE - CESAR**

CONTIENE:

PLANTA CIMENTACION AREA
4 N+0.00
PLANTA DE ZAPATAS N-2.00
DESPIECES DE COLUMNAS

Elaboró:

ING. CAMILO A. CASTILLA G.
M.P. 08202 - 299843 ATL

Revisó:

PROF. DR. JHONNY ALBERTO MATTOS

Aprobó:

PROF. SECRETARIA DE SAUD

ESCALA:

1:xxx

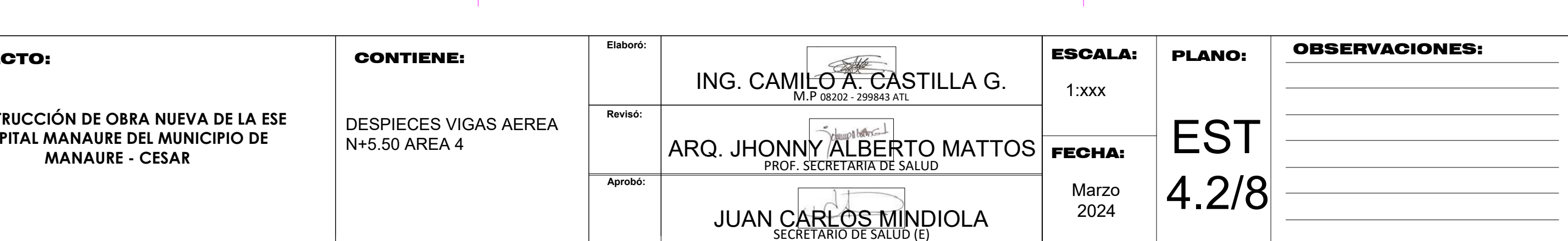
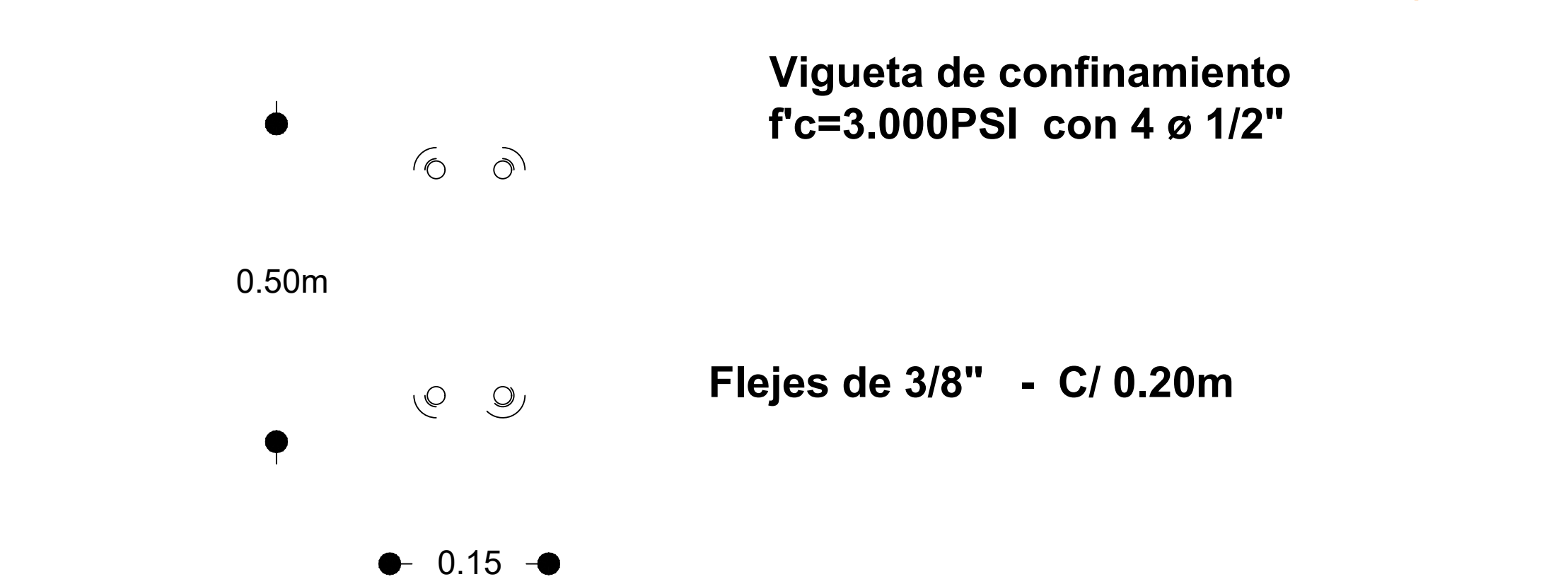
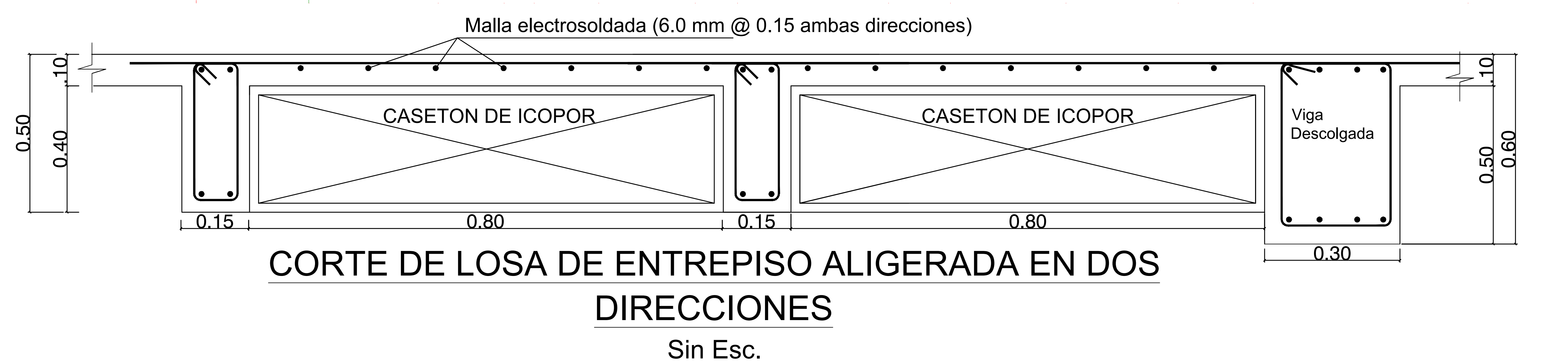
RESULTS

Marzo

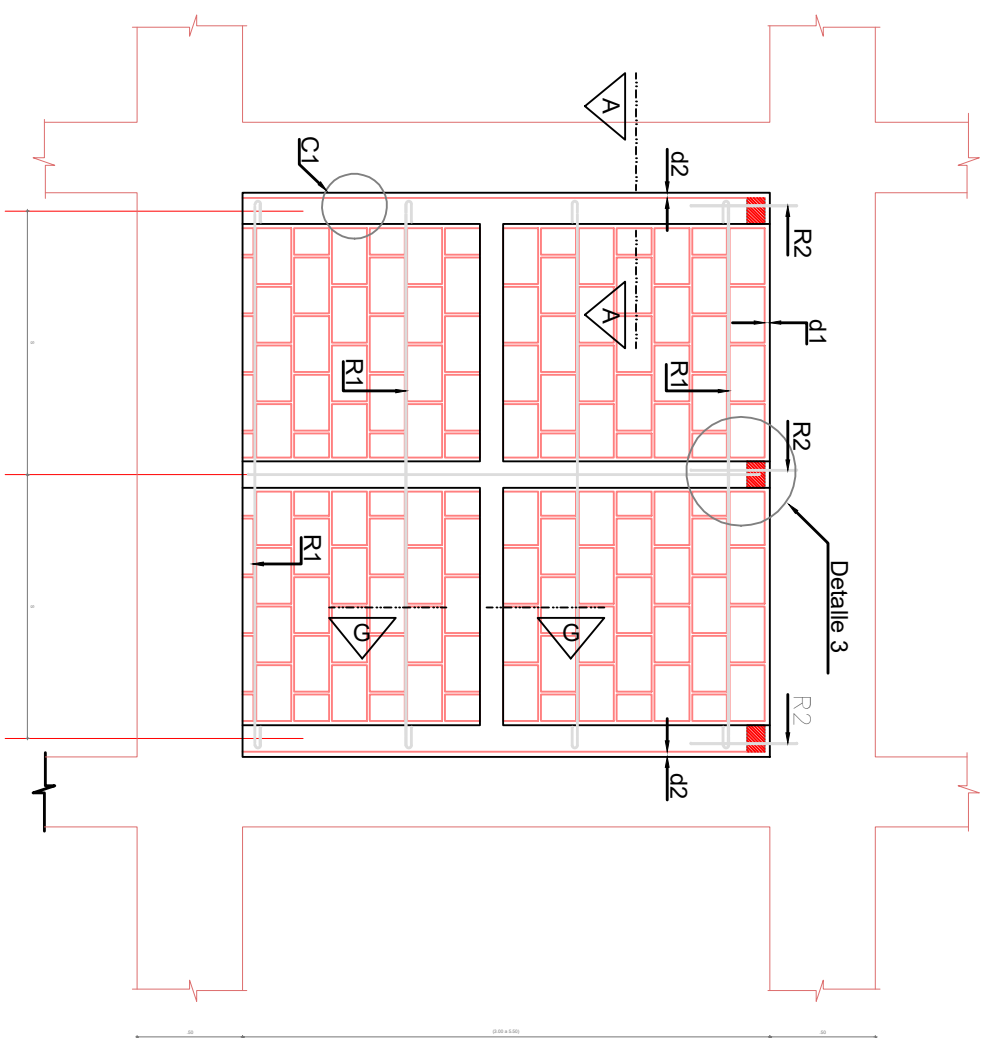
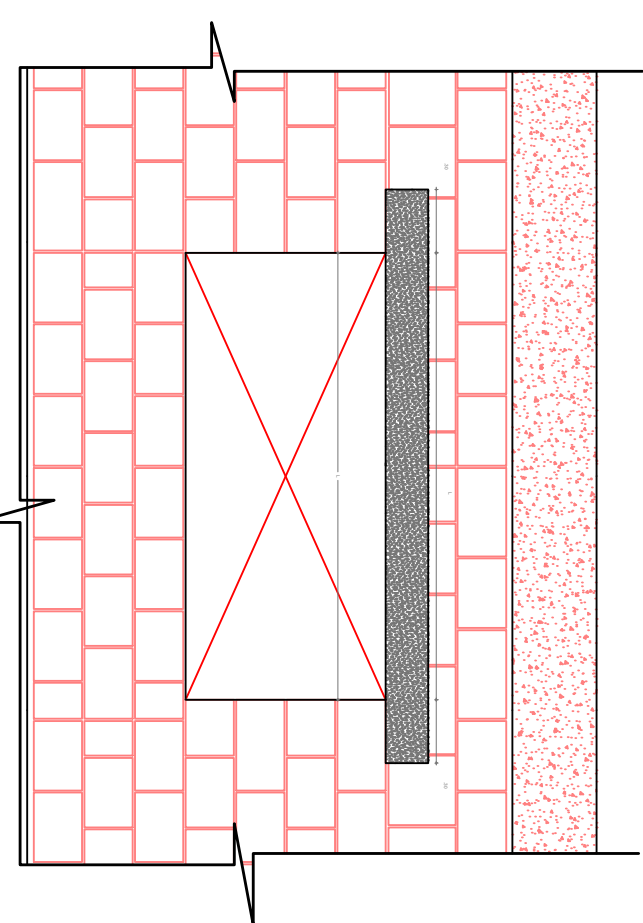
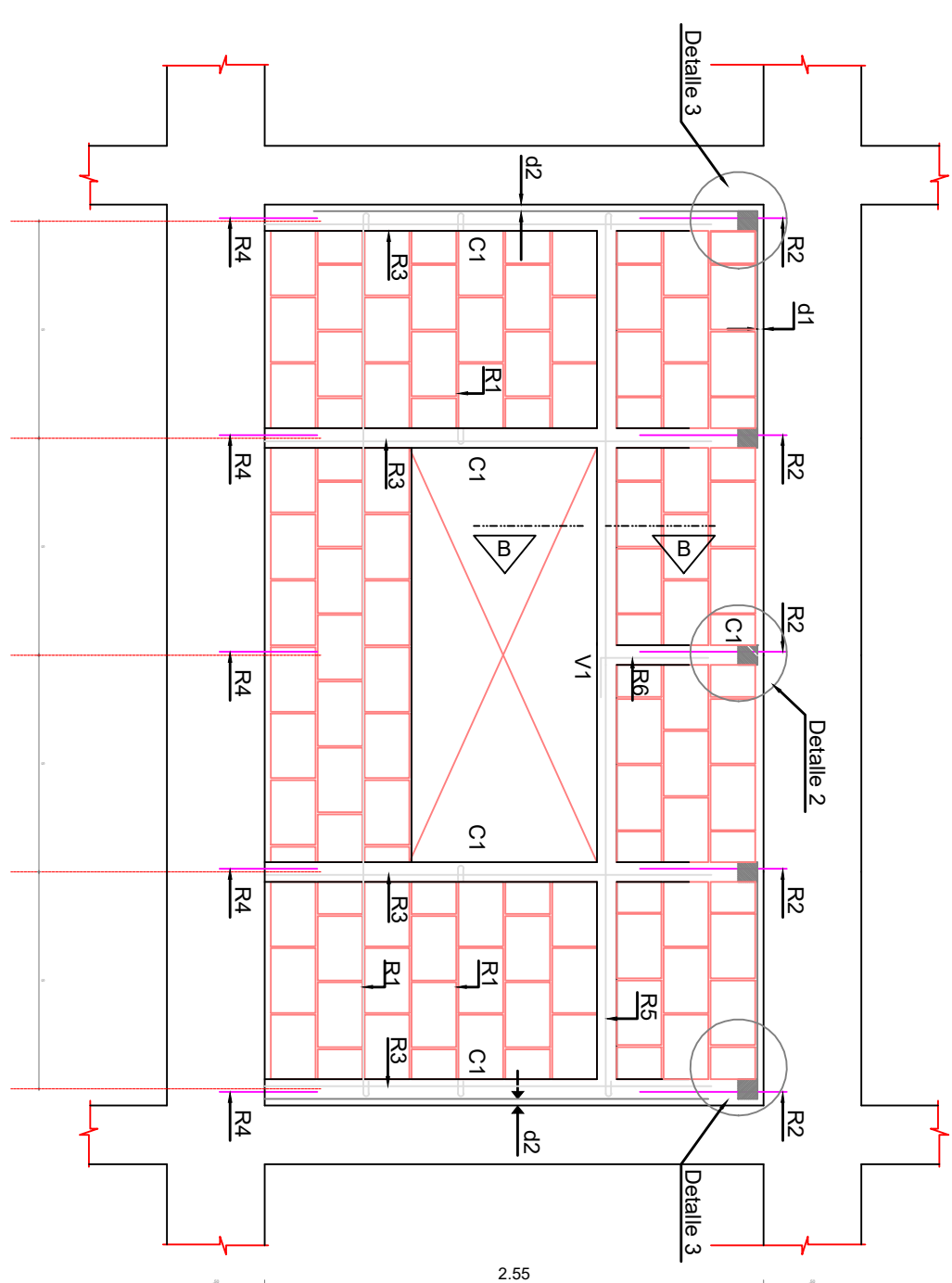
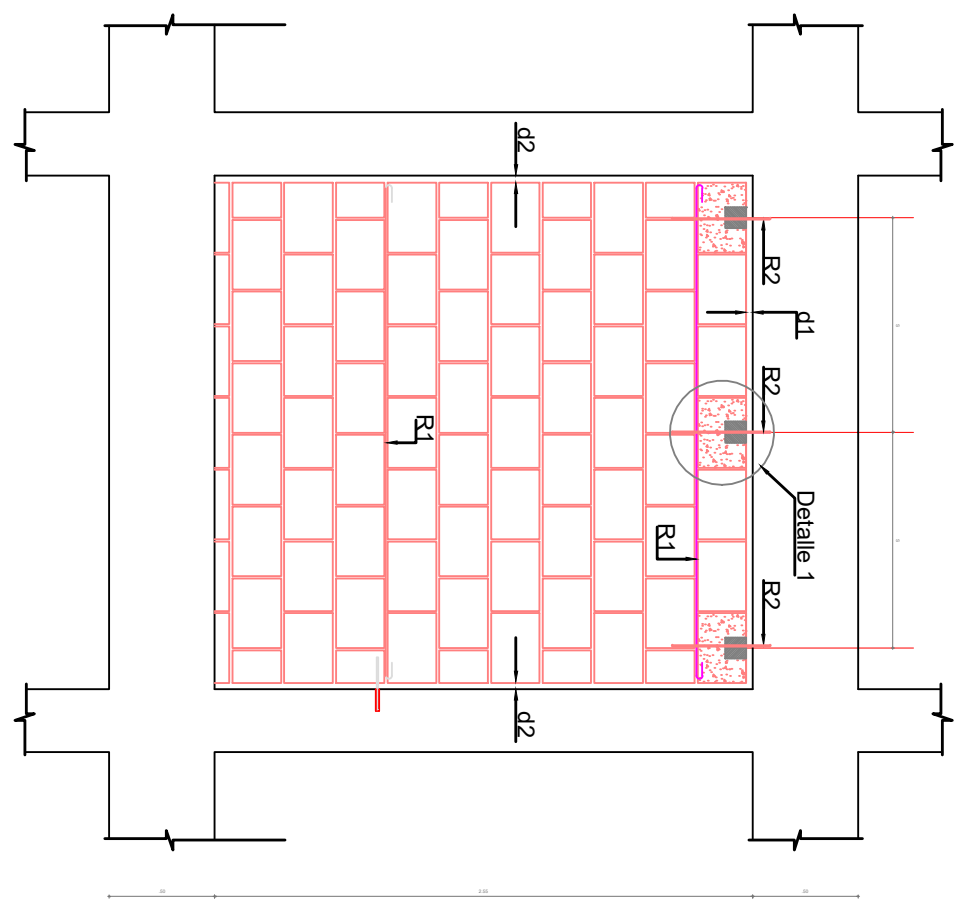
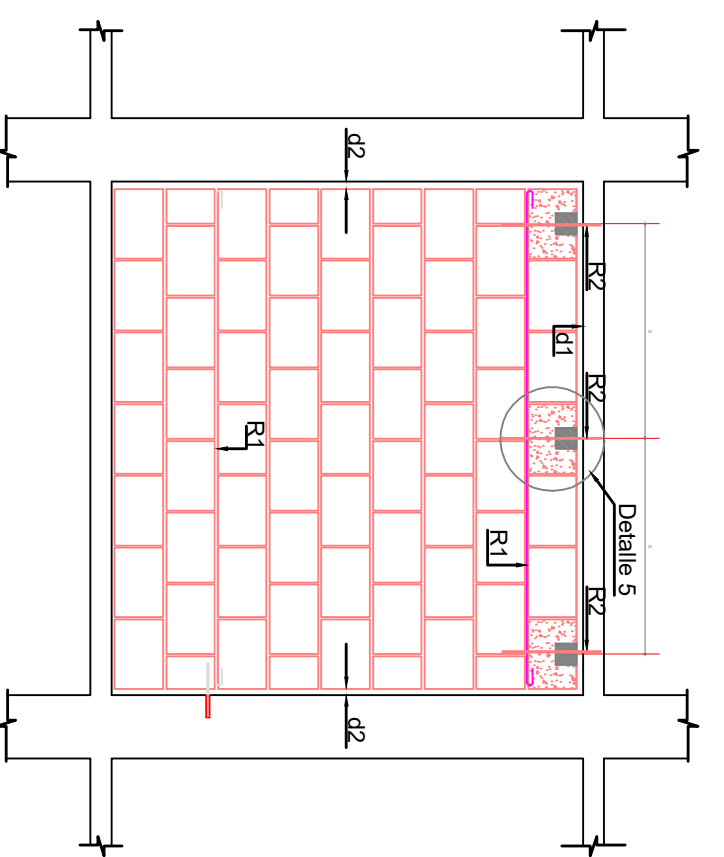
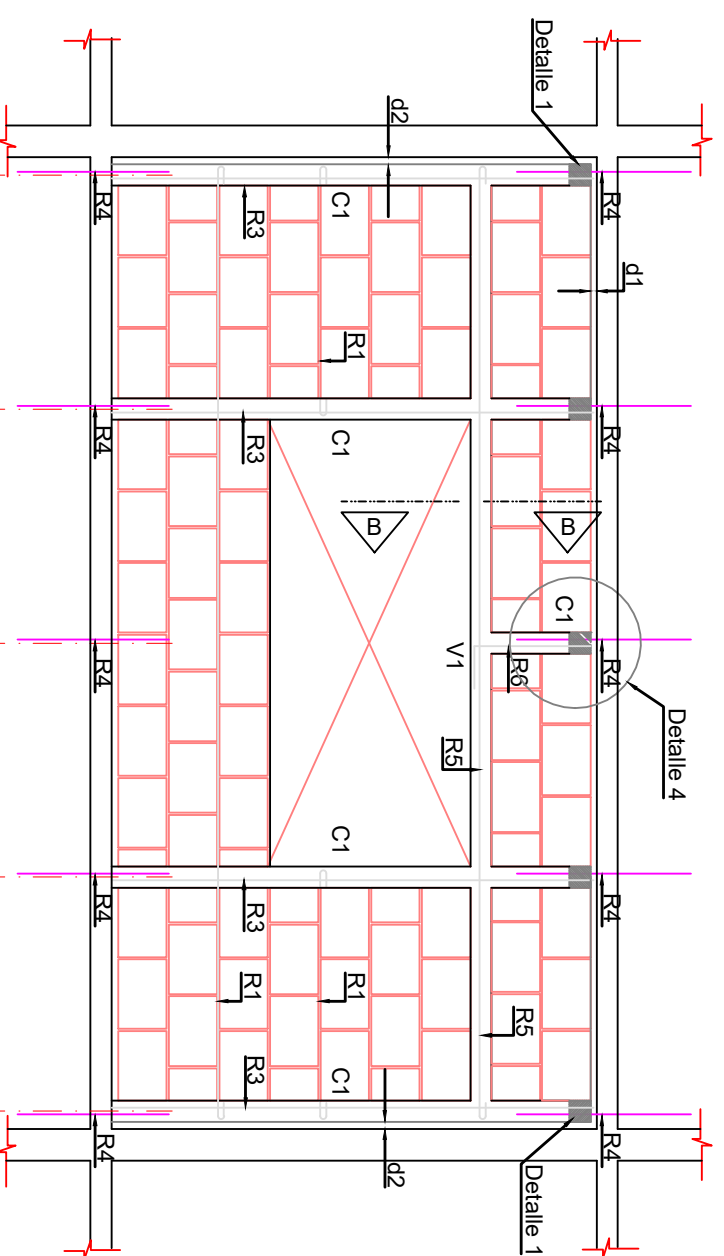
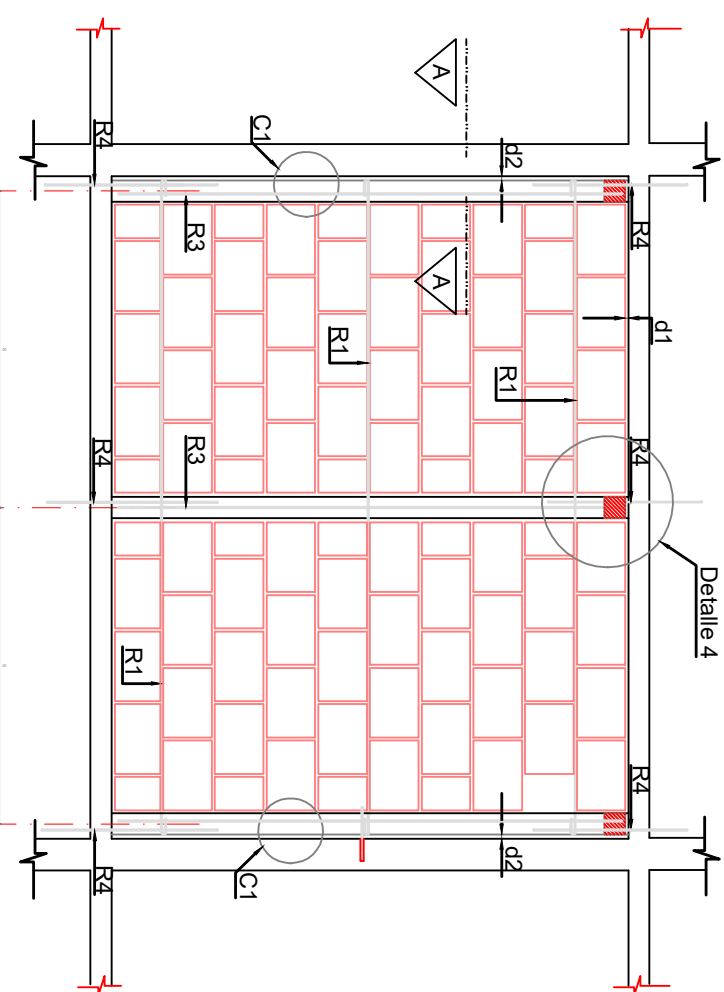
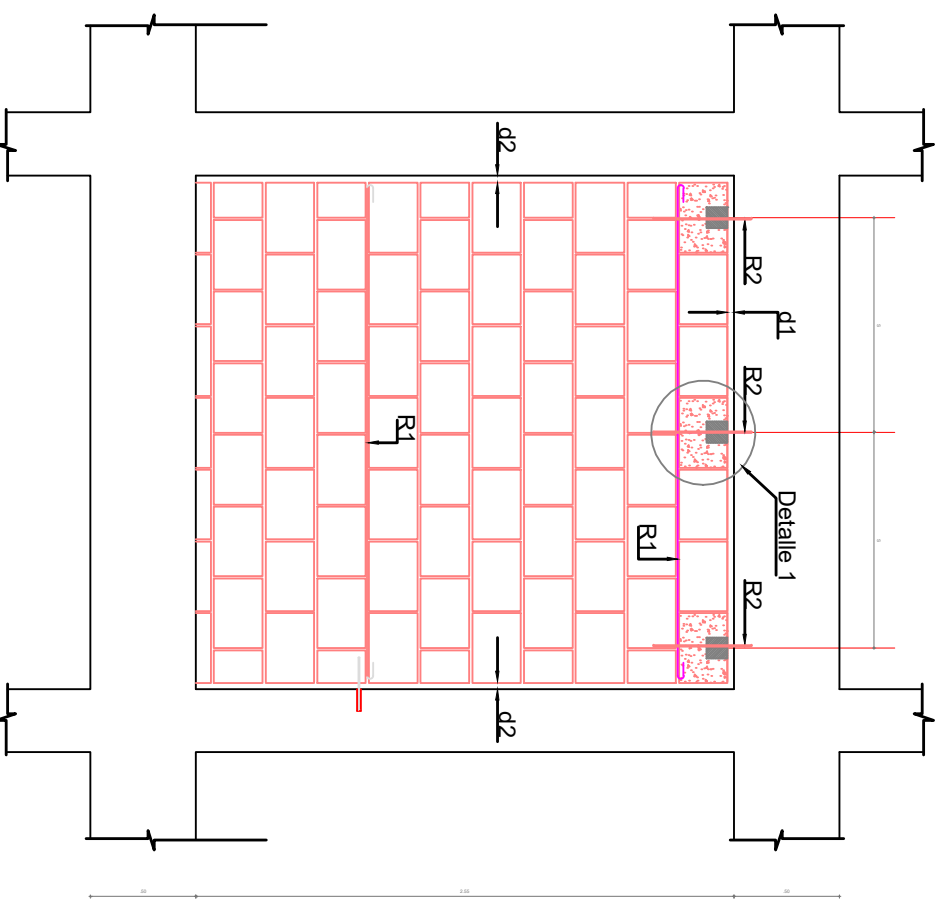
PLANO:

EST
4.0/8

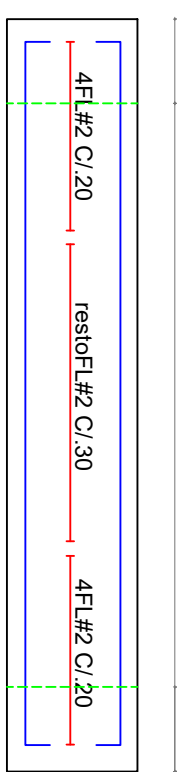
OBSERVACIONES:







		Reforzo Superior	Reforzo Interior
1	ex20	1#3	1#4
2	ex20	1#3	1#4
3	ex30	1#3	1#5
4	ex30	1#3	1#5



L(m)	Sección	Refuerzo Superior	Refuerzo Inferior
1	e×20	1#3	1#4
2	e×20	1#3	1#4
3	e×30	1#3	1#5
4	e×30	1#3	1#5

ESCALA:

FECHA:
Marzo
2024

PLANO:
EST
5/8

ING. CAMILO A. CASTILLA G.
M.P. 08202 - 299843 ATL

DR. JHONNY ALBERTO MATTO
PROF. SECRETARIA DE SALUD

JUAN CARLOS MINDIOLA
SECRETARIO DE SALUD (E)

CONTIENE:

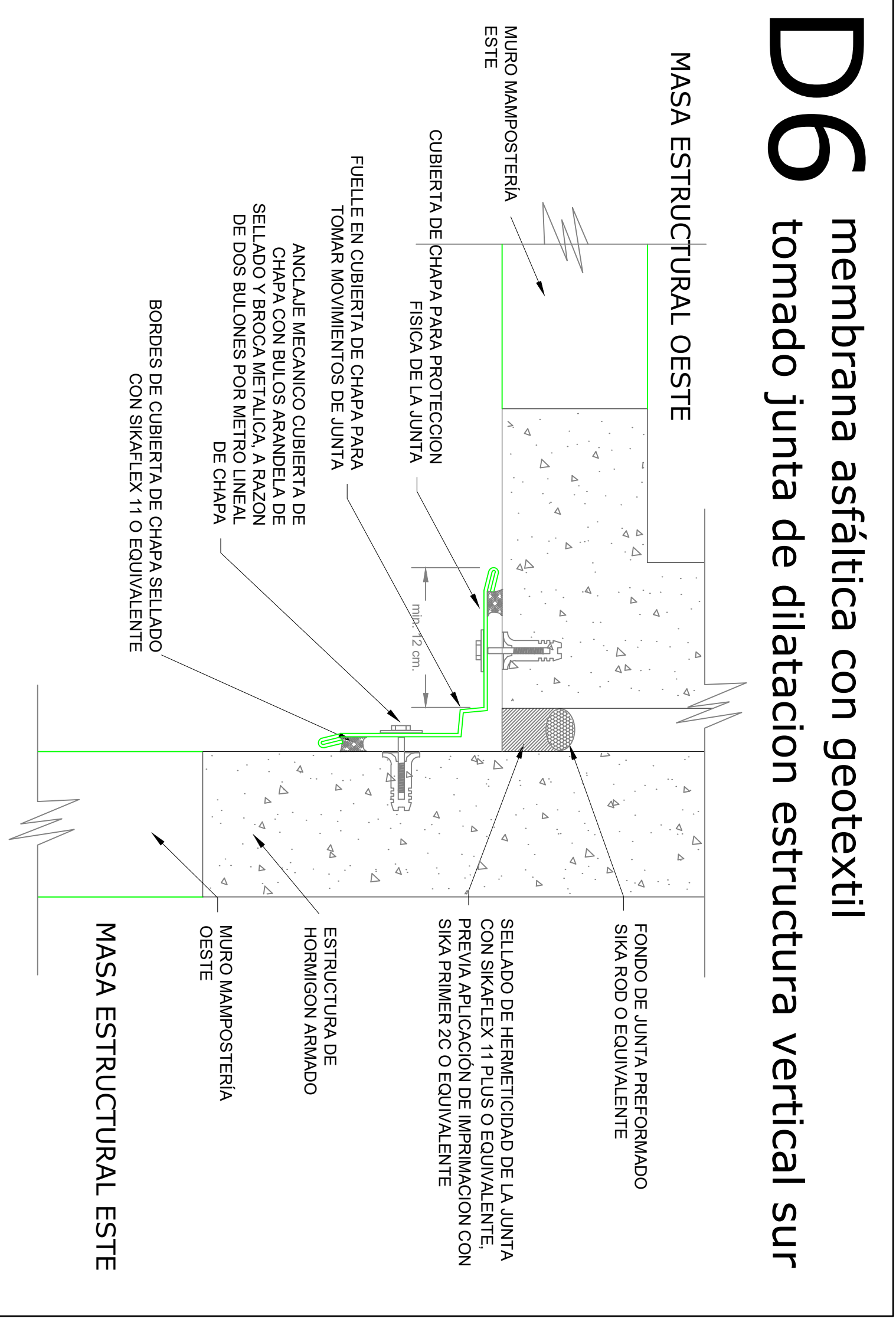
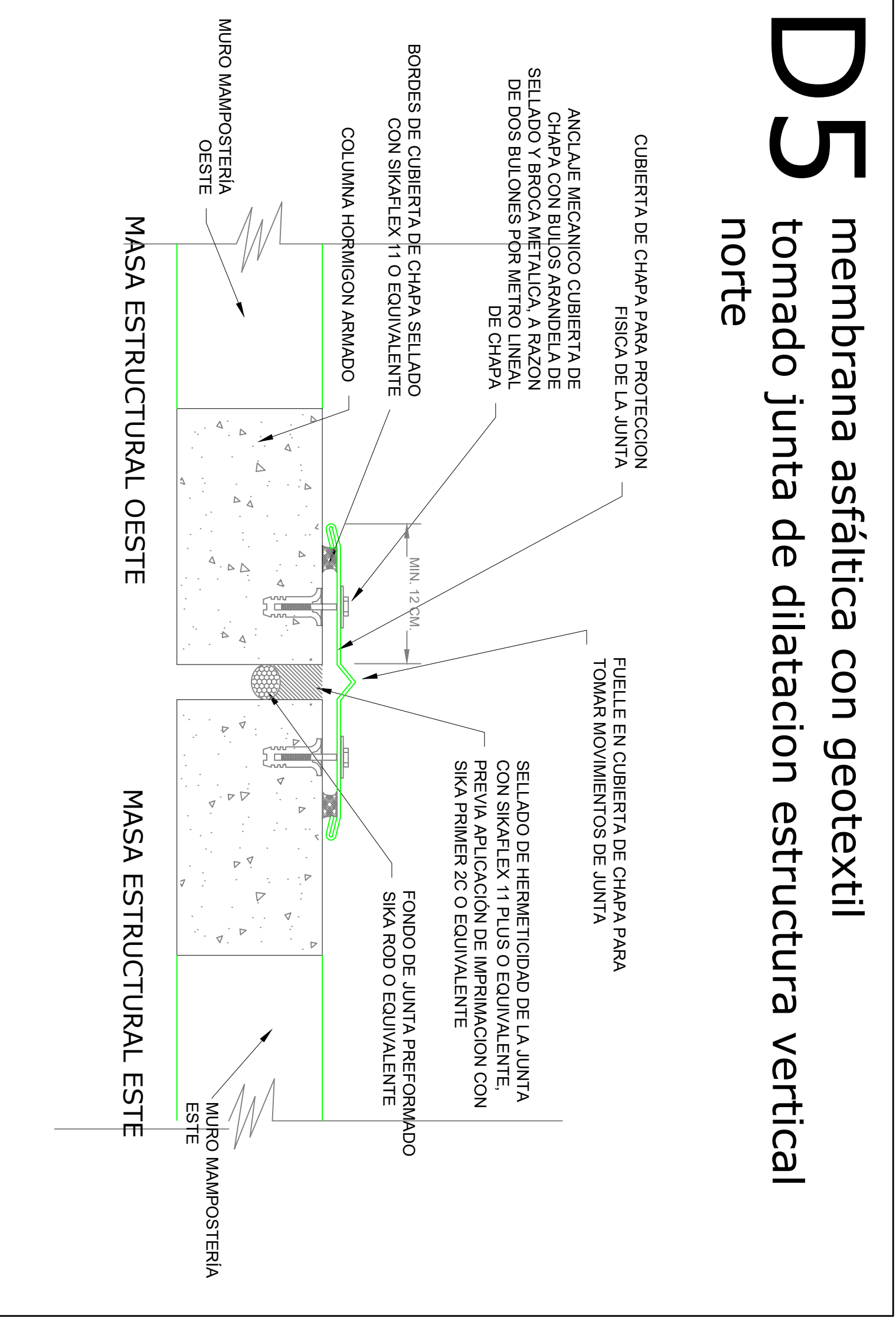
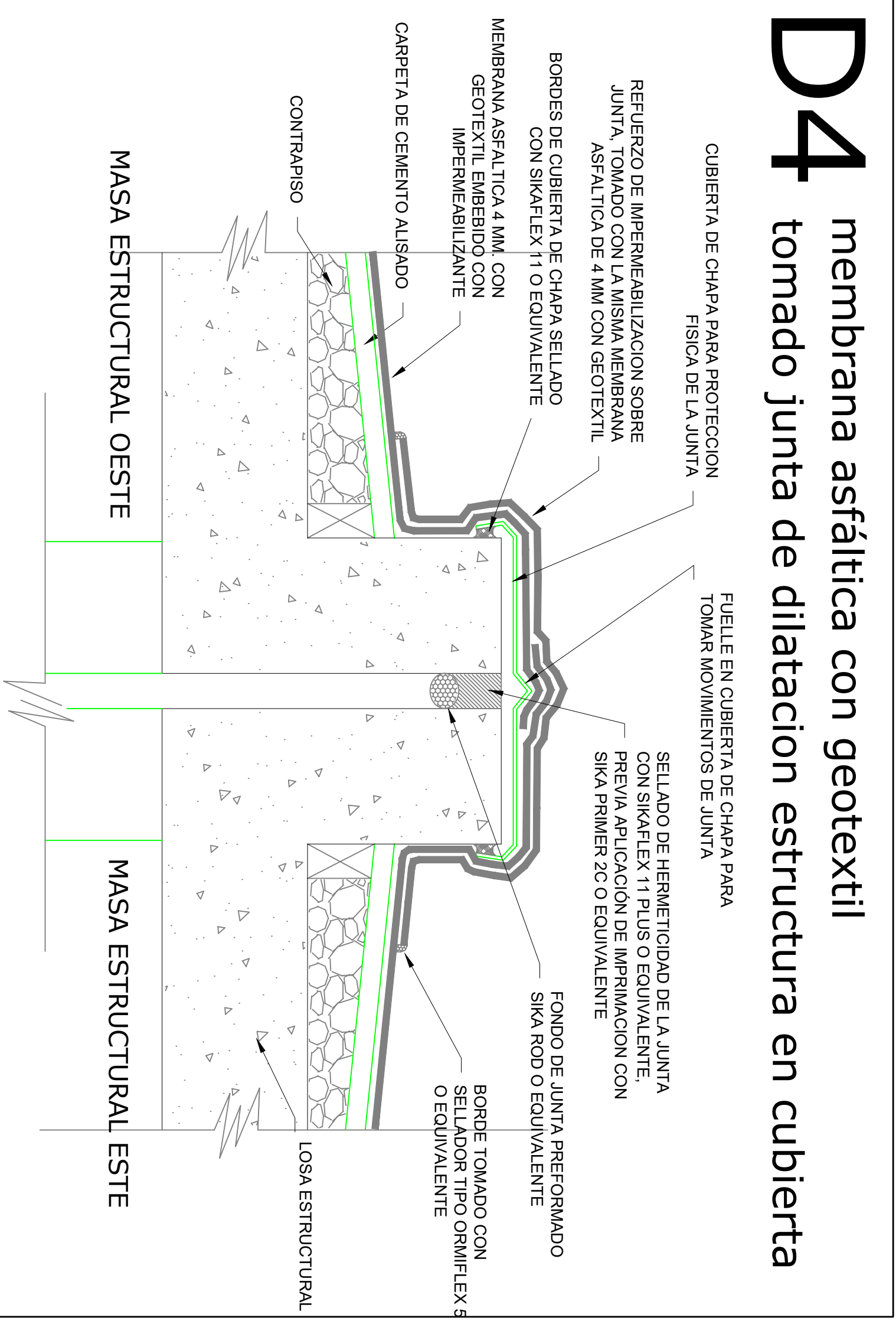
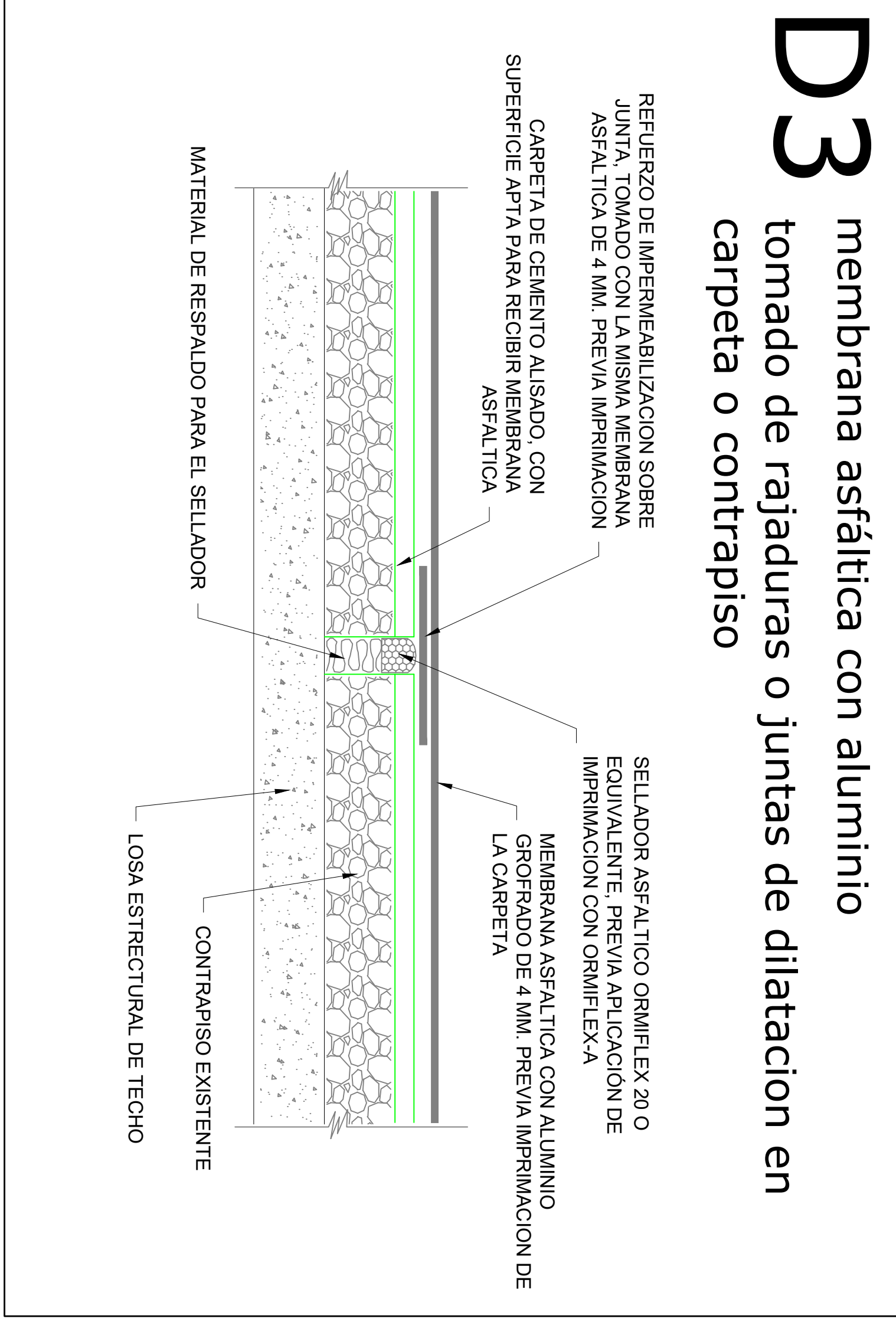
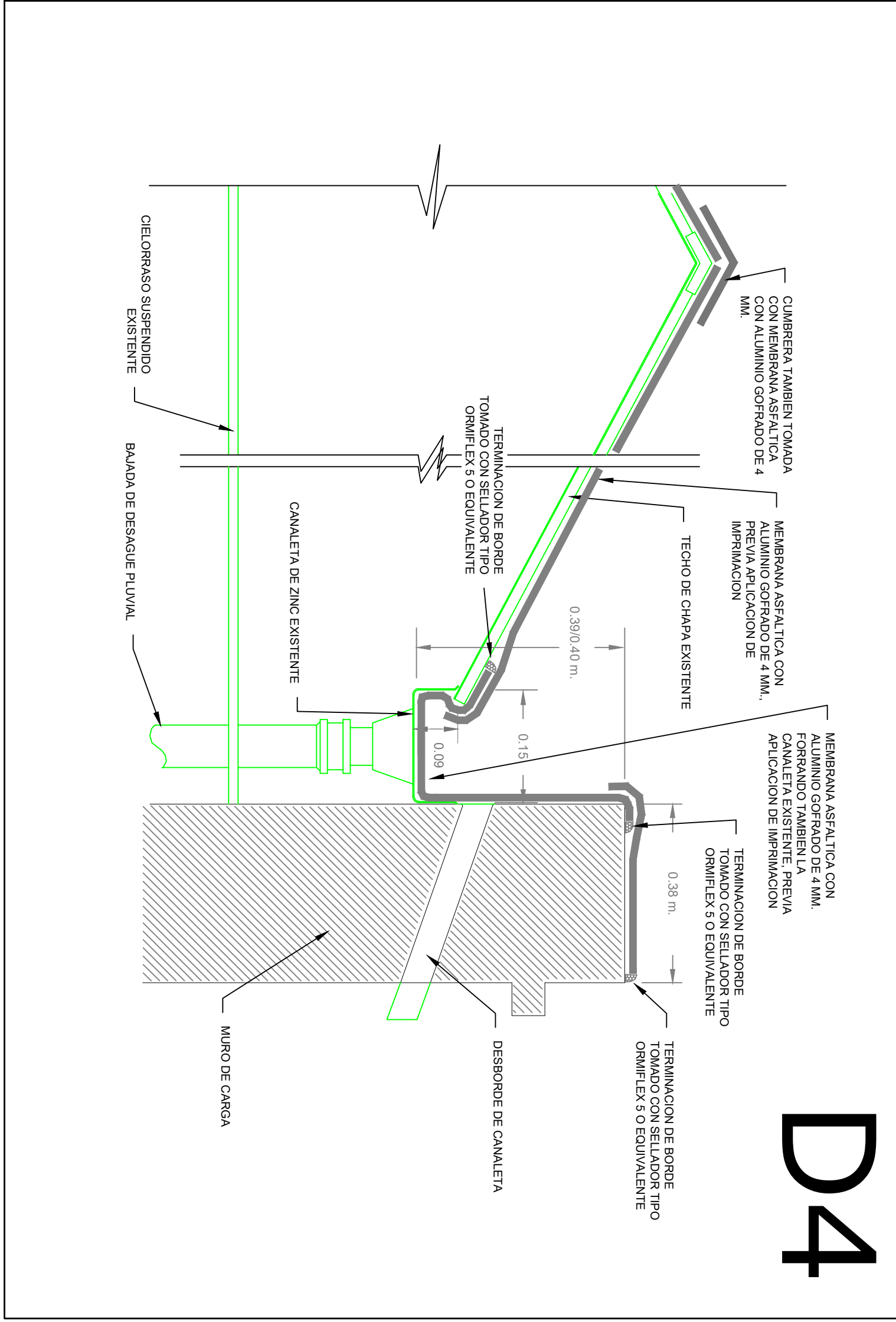
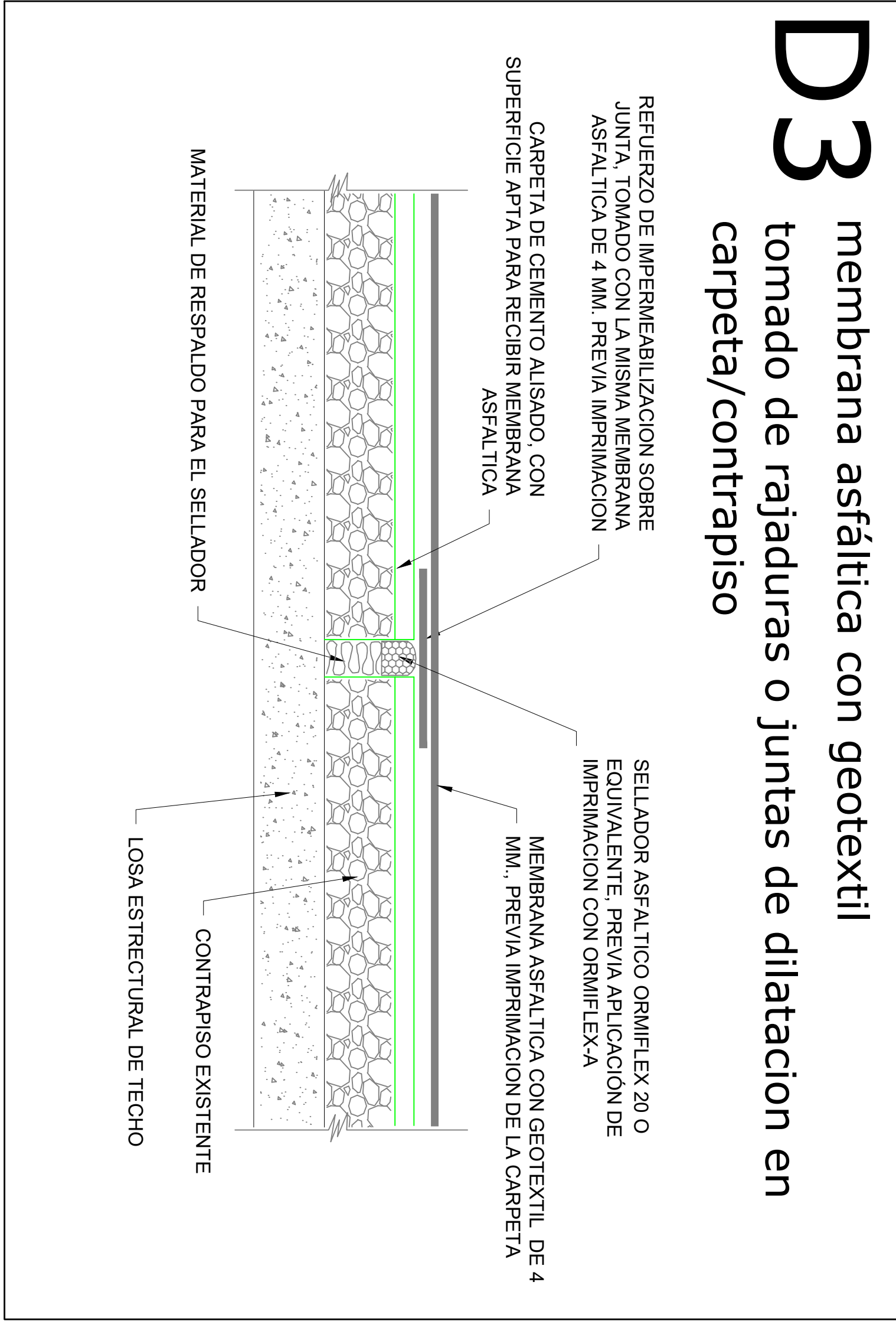
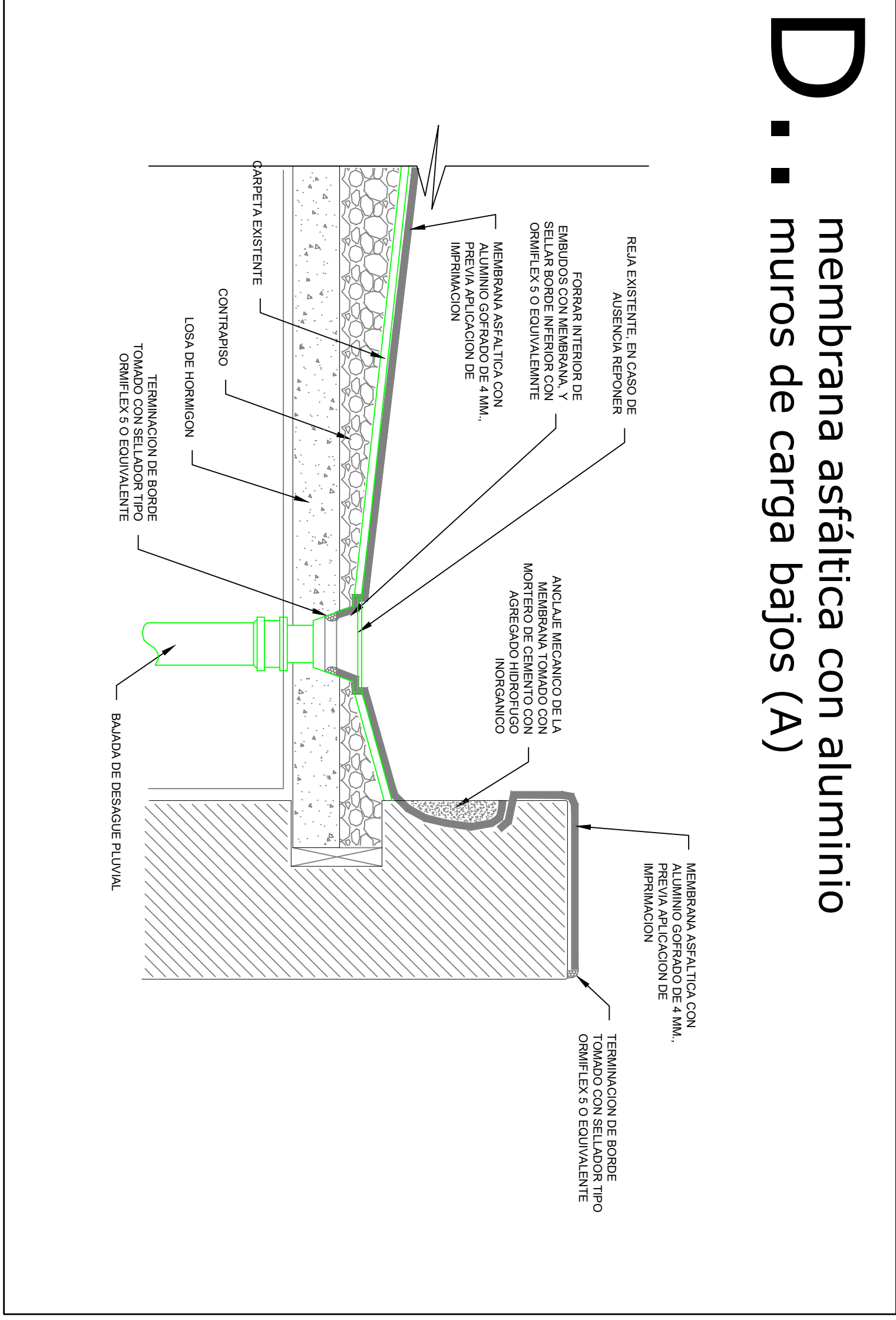
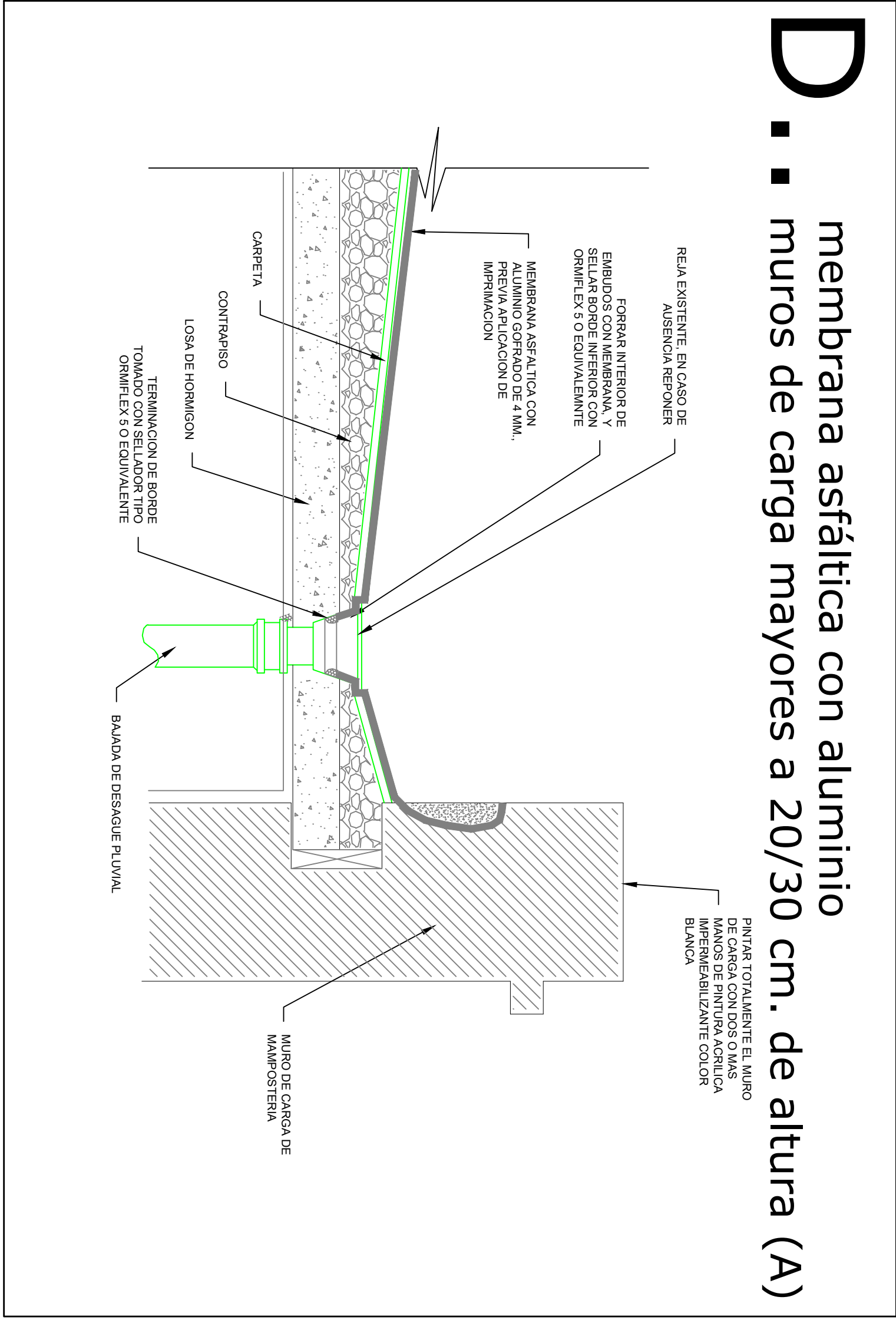
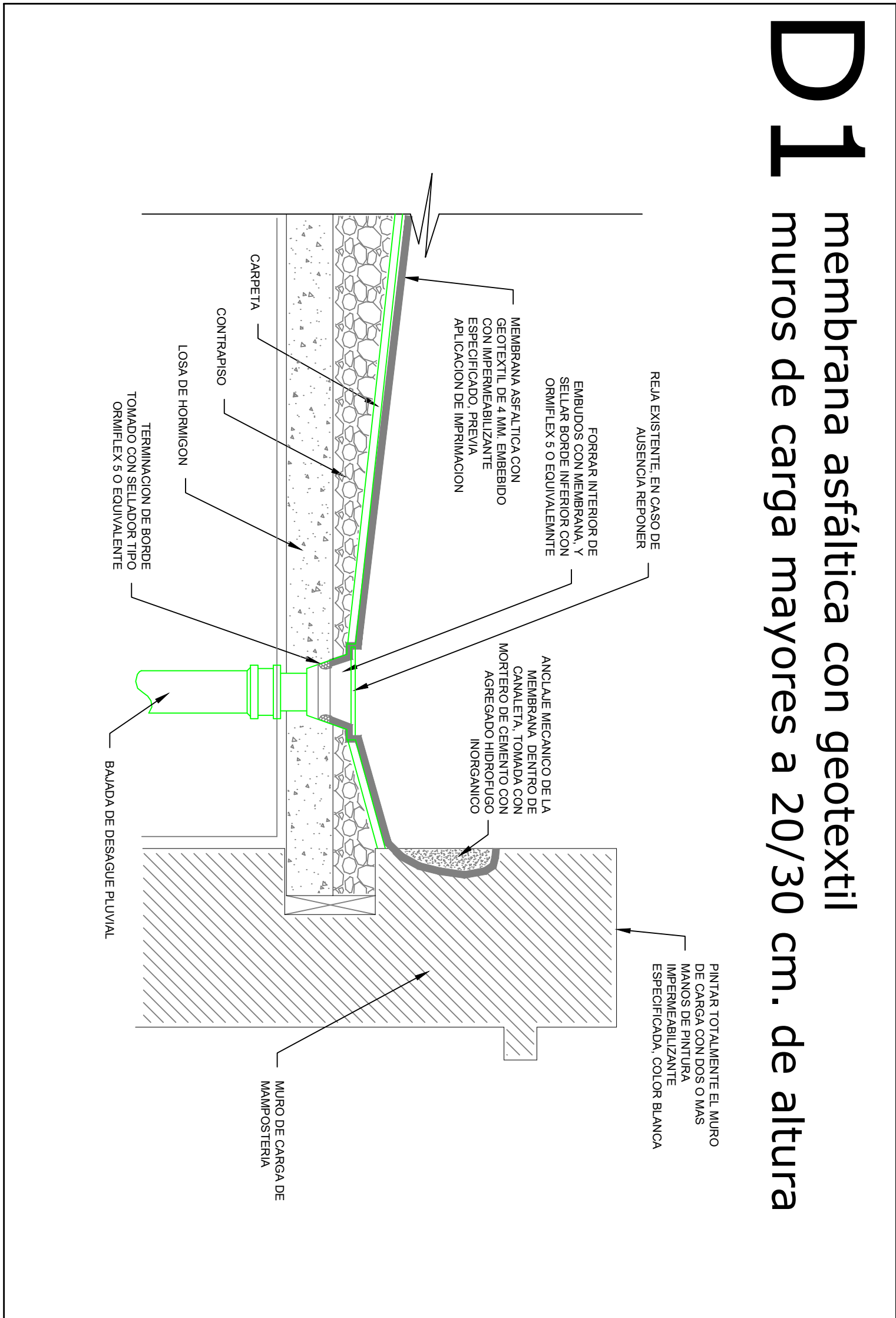
ELEMENTOS NO
ESTRUCTURALES

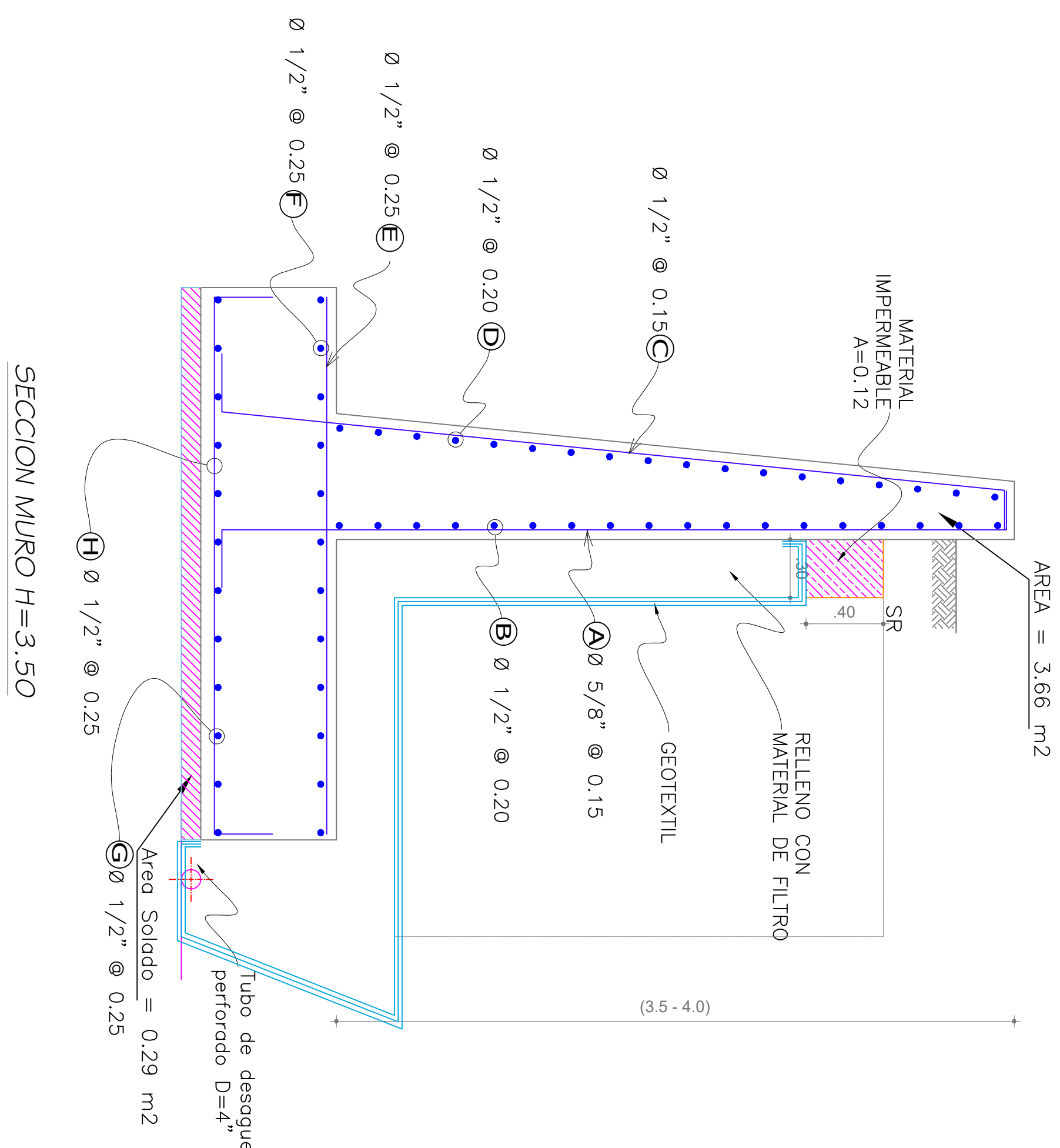
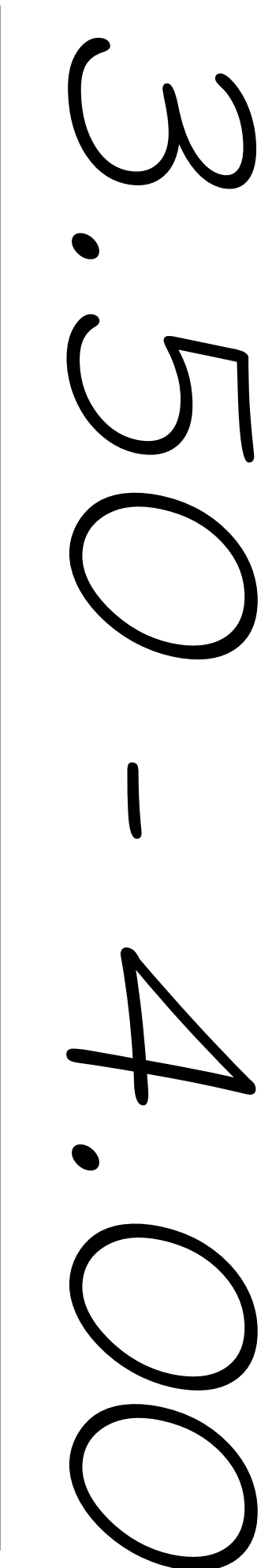
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CONSTRUCCIÓN DE OBRA NUEVA DE LA ESE
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RESUMEN DE ACERO x Paño (5 mt)		
Ø	KG/M	PESO (kg)
1/2 "	0.99	1188.125
5/8 "	1.55	475.114
TOTAL (kg)		1663.237
DESPERDICIO 5 % (kg)		83.161
TOTAL ACERO		1746.398

Seran de PVC SAP Clase 10, pesado de 4" de diametro perforado para el talon del muro sin perforar para el cuerpo del muro de 3" de diámetro

3.- TRANSLAPES: 0.60 mt
