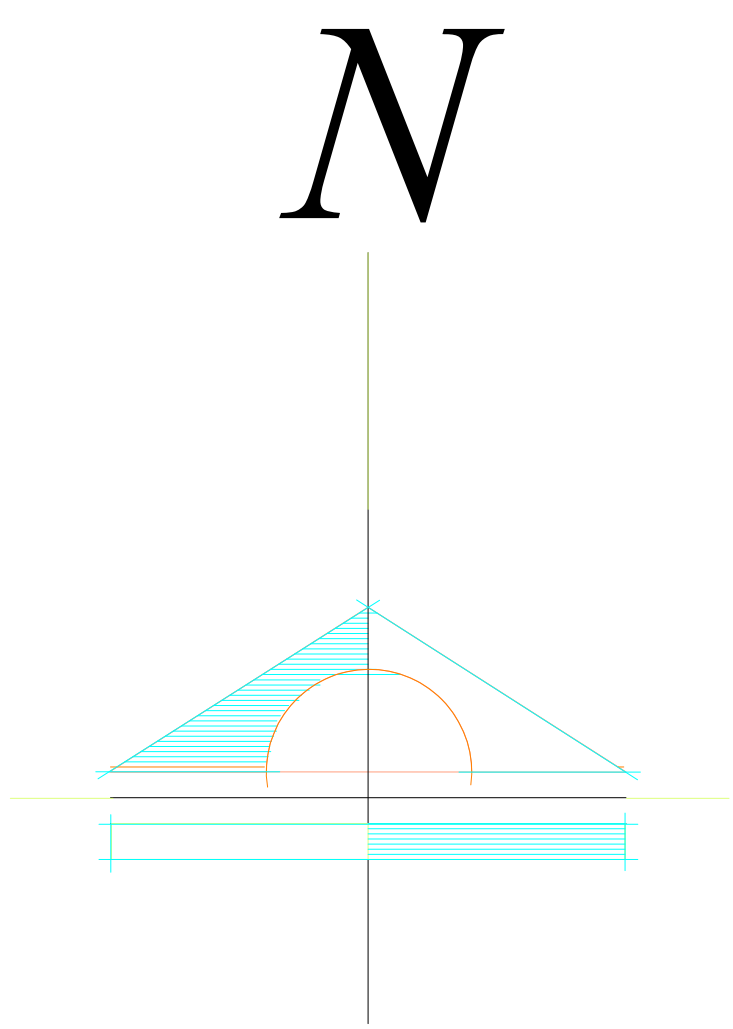
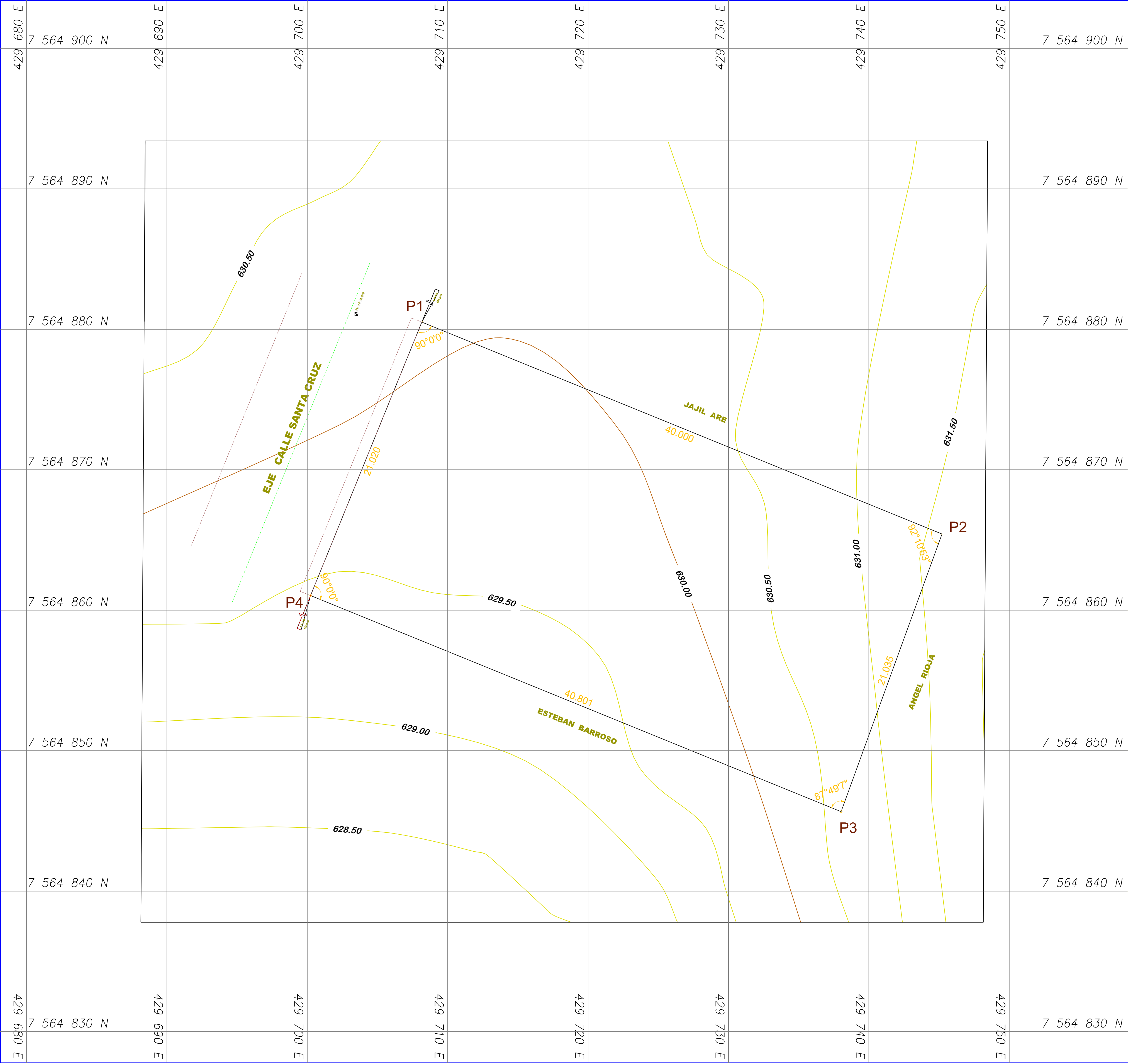


LEVANTAMIENTO TOPOGRAFICO

Esc:1:150



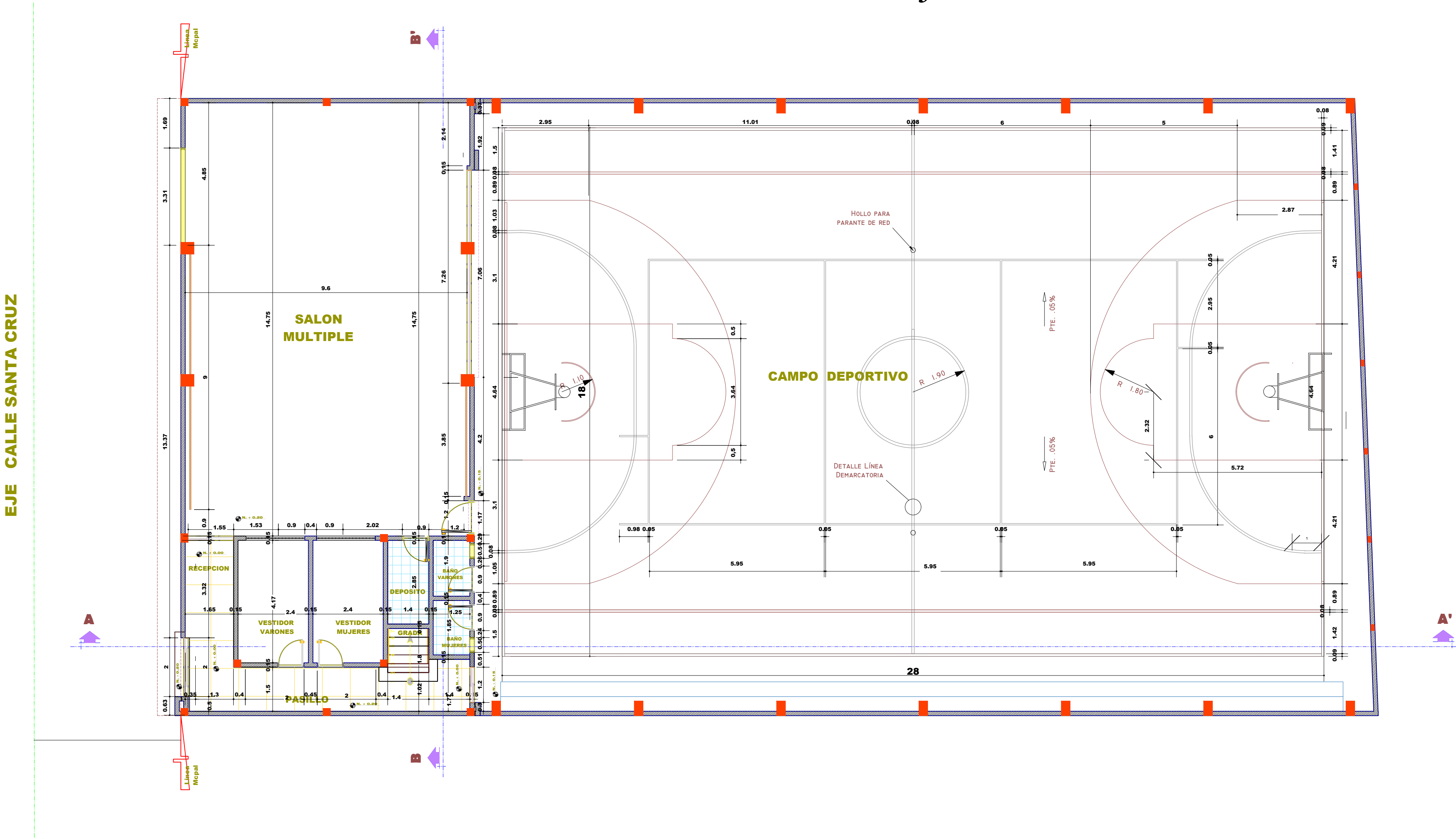
CUADRO DE CONSTRUCCION					
VERTICE	LADO	DIST.	ANGULO	ESTE	NORTE
P1	P1 - P2	40.000	90°0'0"	429708.161	7564880.510
P2	P2 - P3	21.035	92°10'53"	429745.208	7564865.427
P3	P3 - P4	40.801	87°49'7"	429738.024	7564845.657
P4	P4 - P1	21.020	90°0'0"	429700.235	7564861.042

Area: 849.208 m²
Area: 0.08492 ha
Perimetro: 122.856 ml

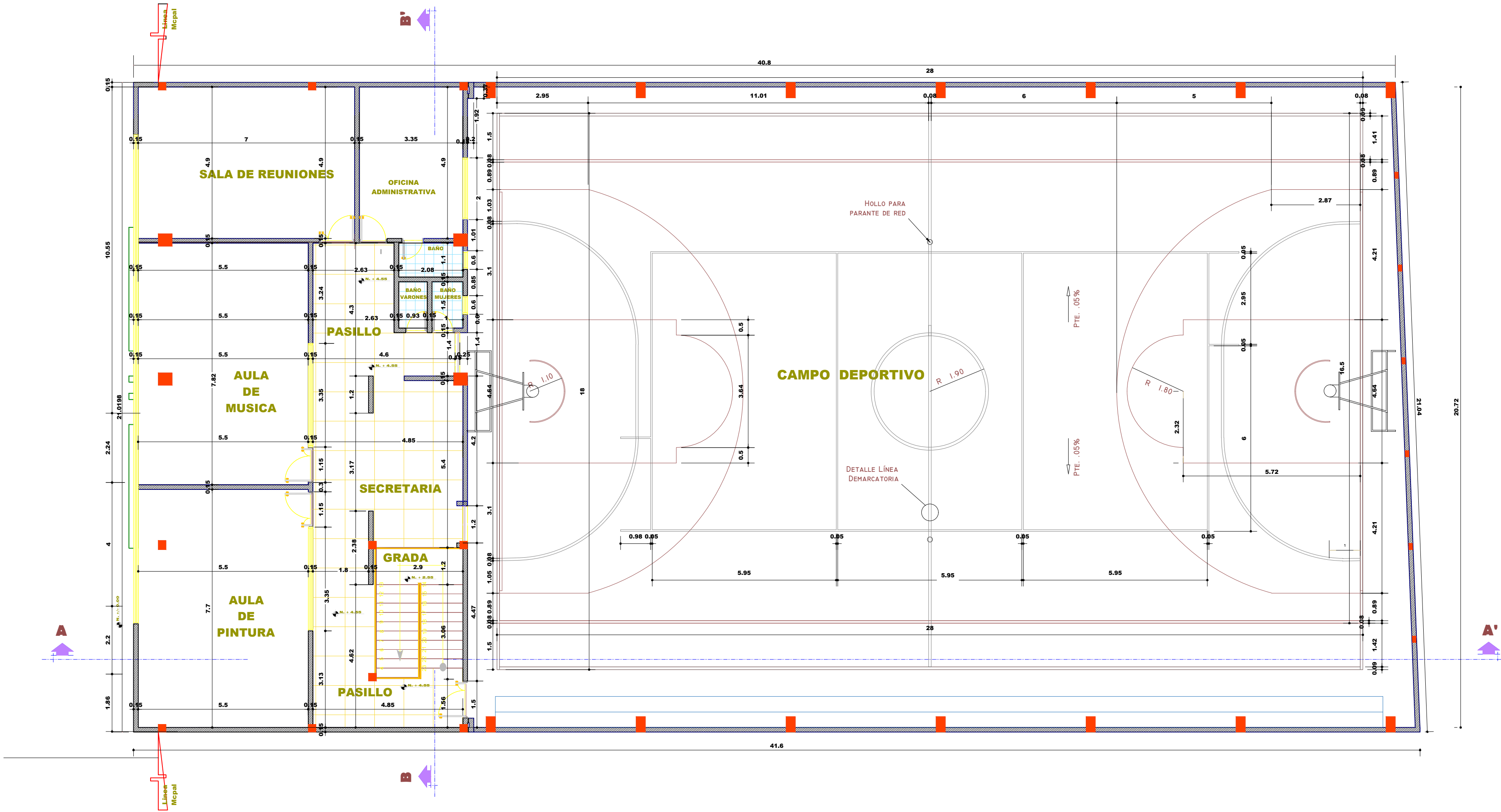
DISEÑO ARQUITECTONICO

Esc: 1:100

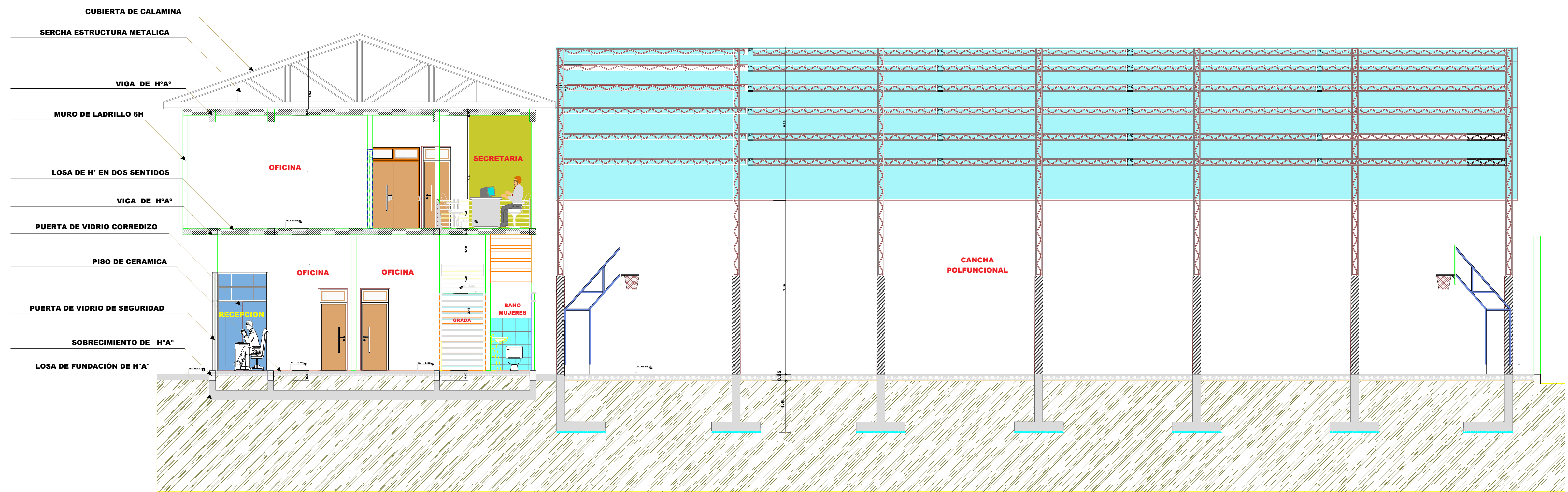
Planta Baja



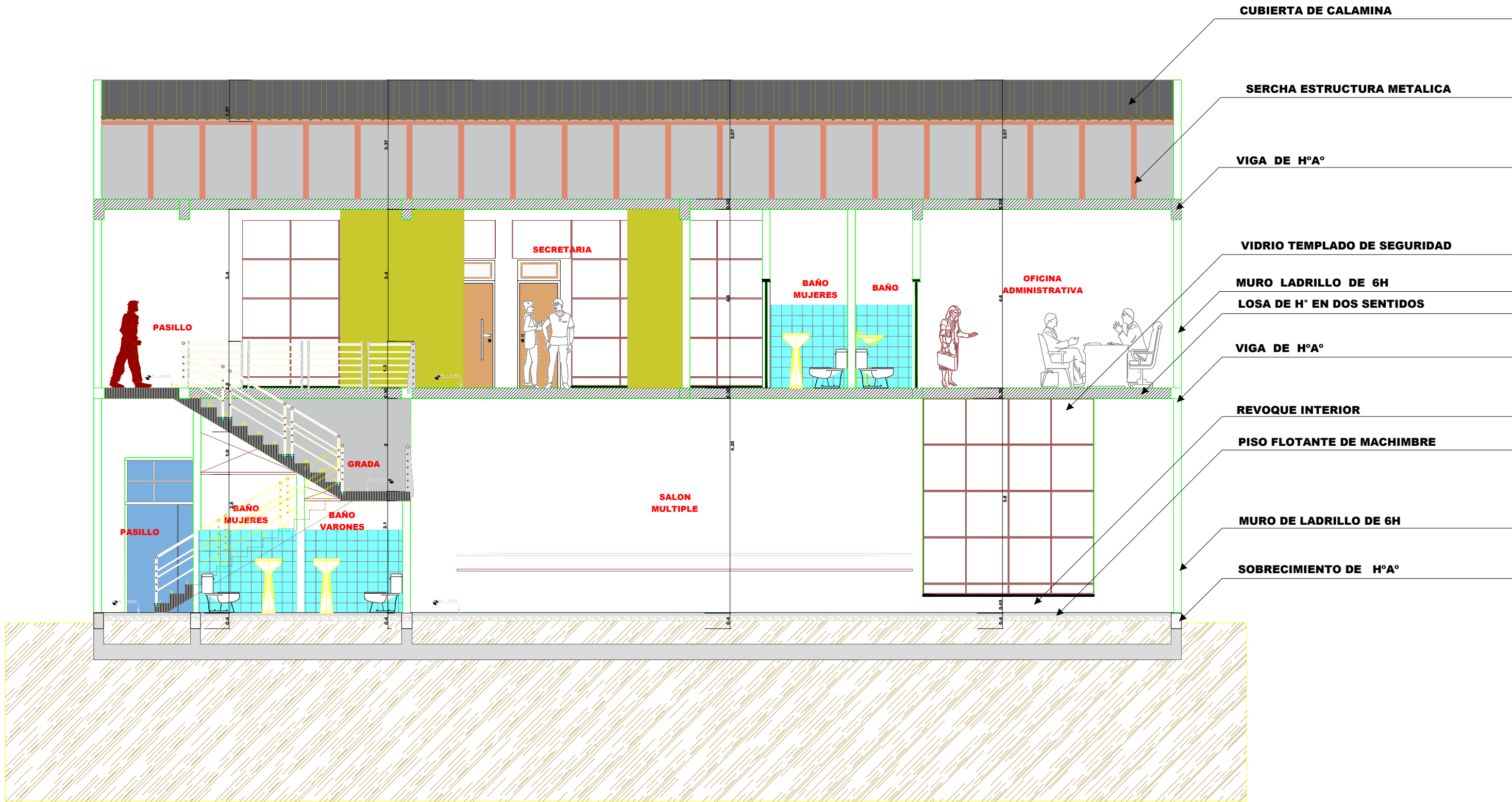
Planta Alta



Corte A - A

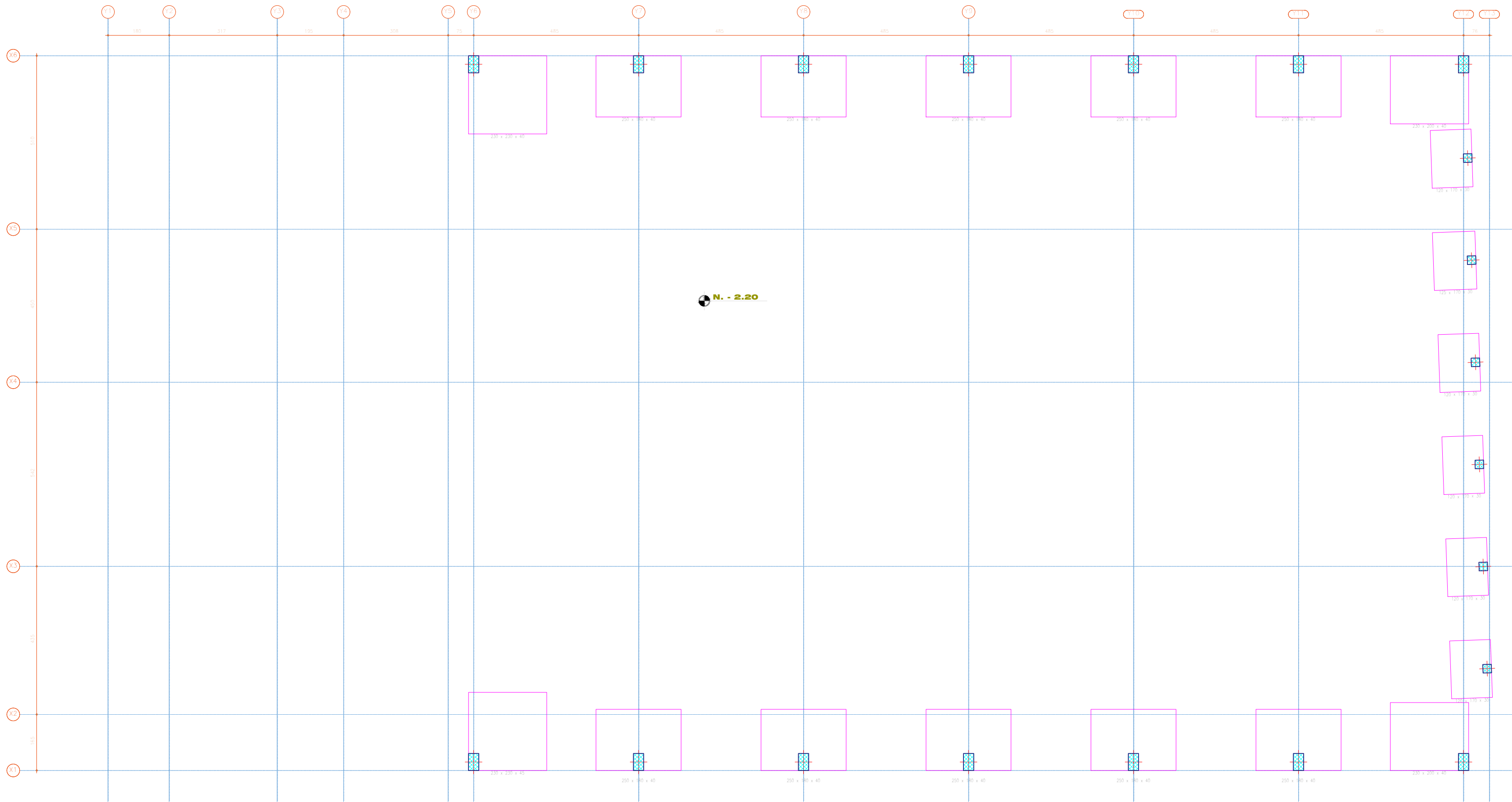


Corte B - B

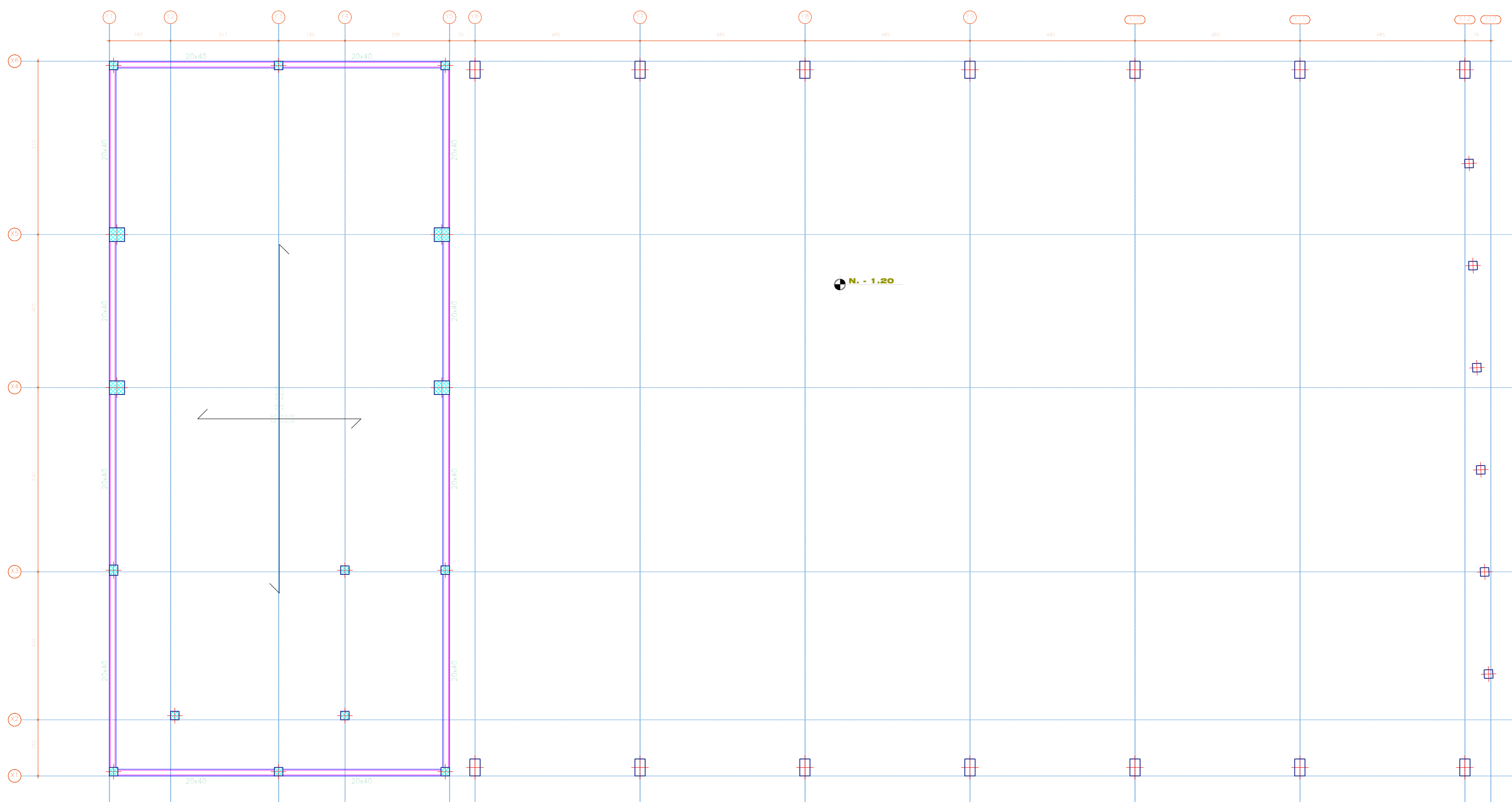


UNIVERSIDAD:	UNIVERSITARIO:	FECHA:	PROYECTO:	CARACTER:	ESCALA:	LAMINA:
JUAN MISAEL SARACHO	YEISON PABLO VARGAS JUCHANI	Junio - 2021	CENTRO DEPORTIVO CULTURAL DEL GRAN CHACO	DISEÑO ARQUITECTONICO	Indicada	2 de 11

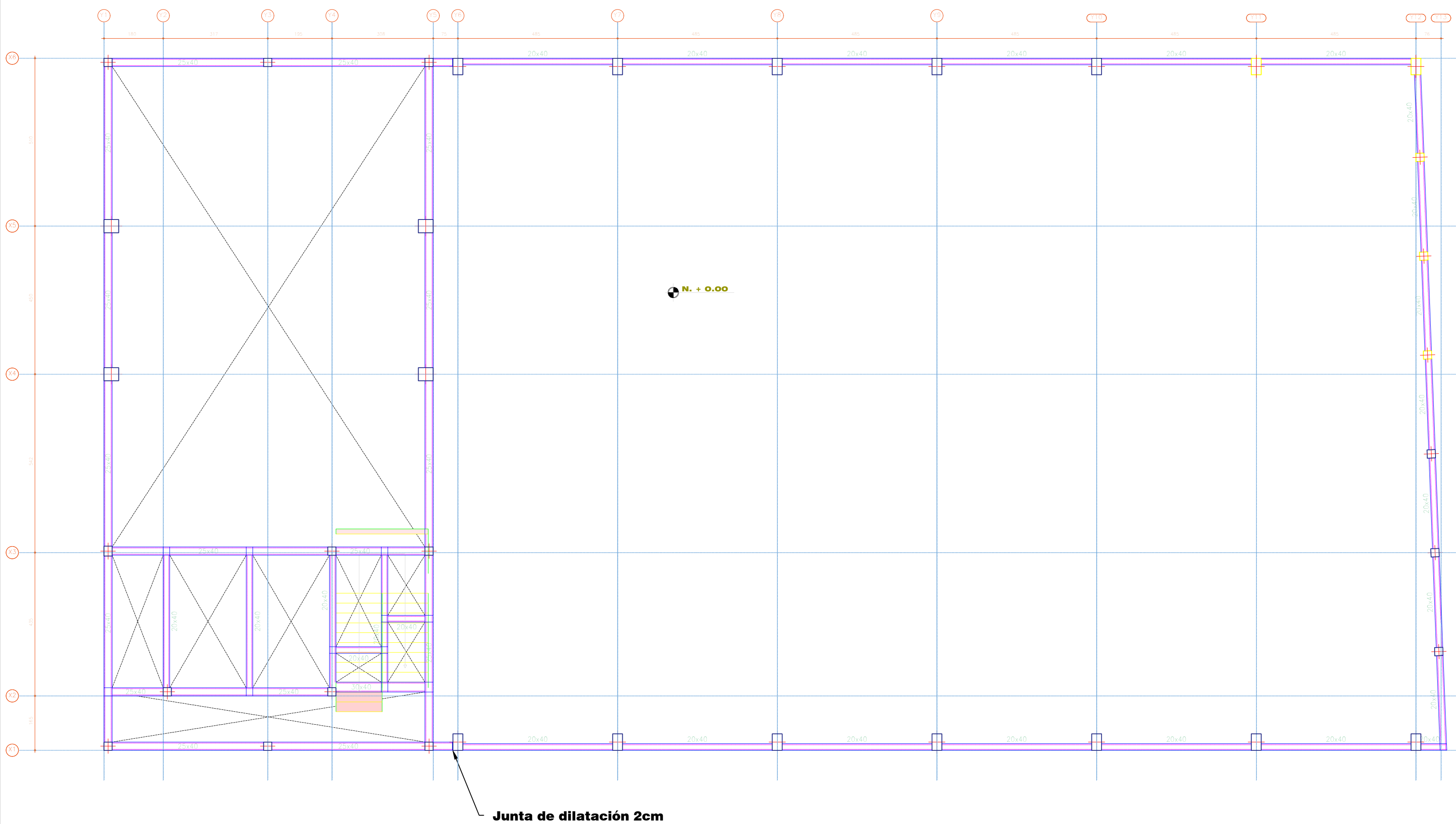
Replanteo de Zapatas



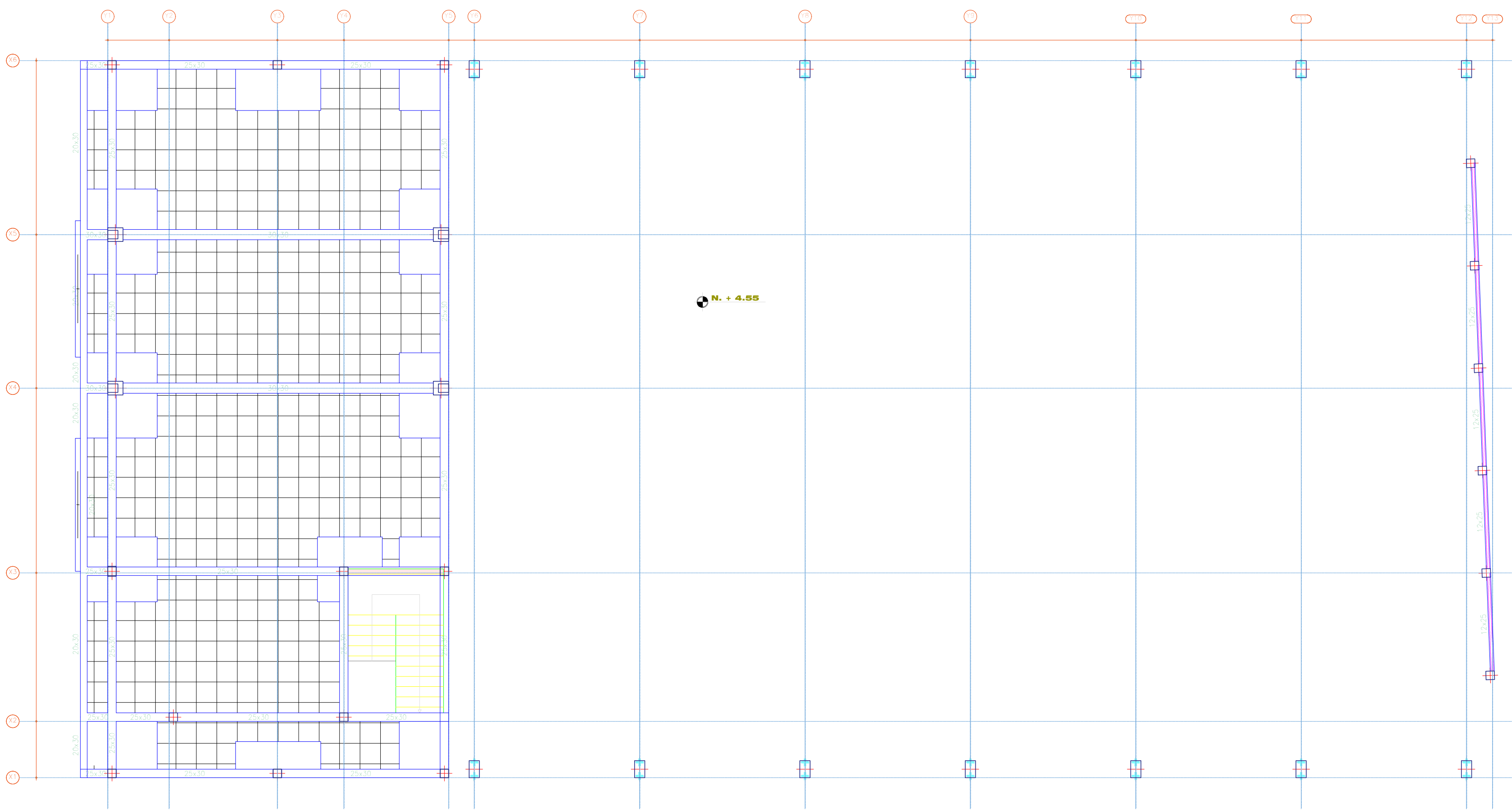
Replanteo de Losa de Fundaci3n



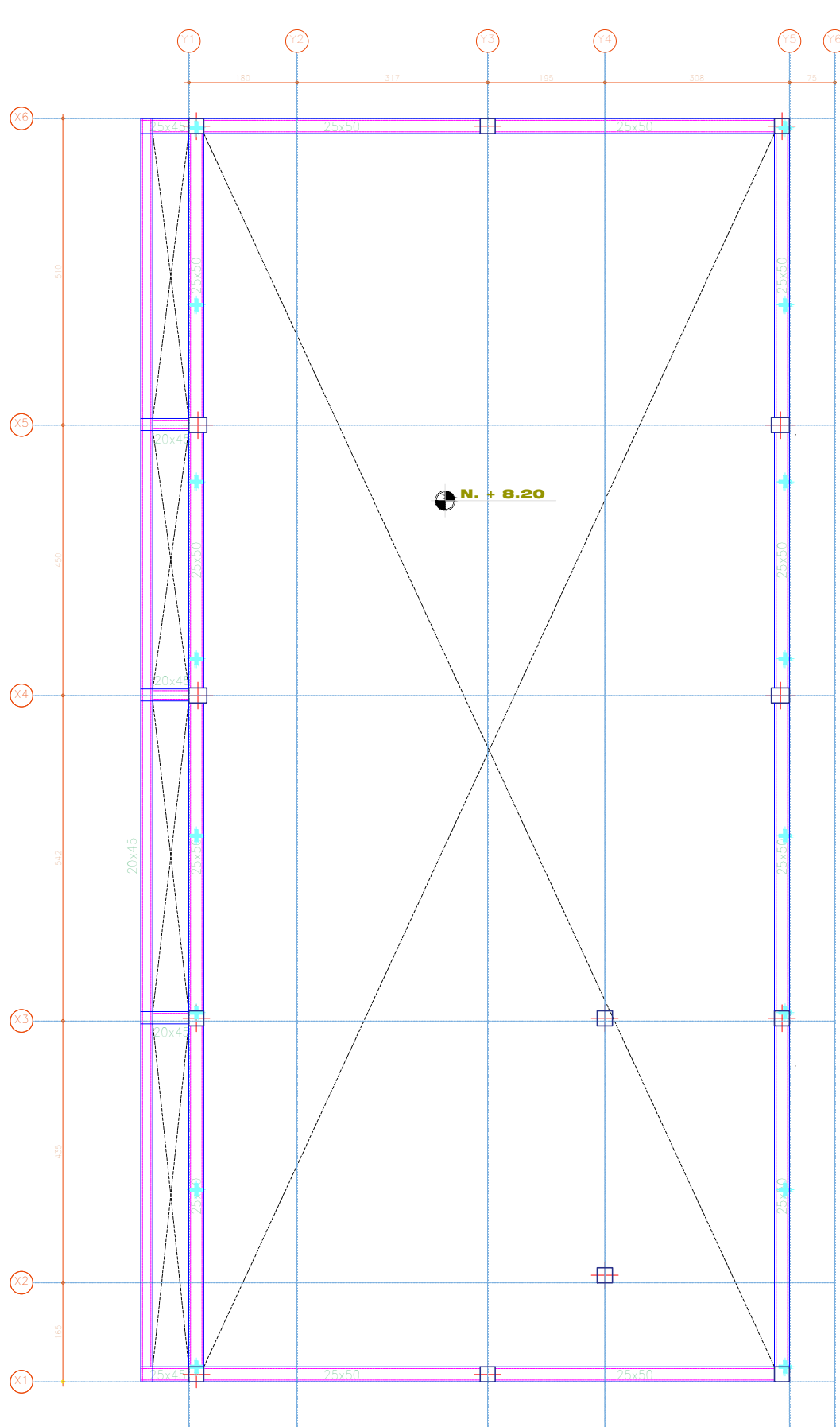
Replanteo Planta Baja



Replanteo Planta Alta

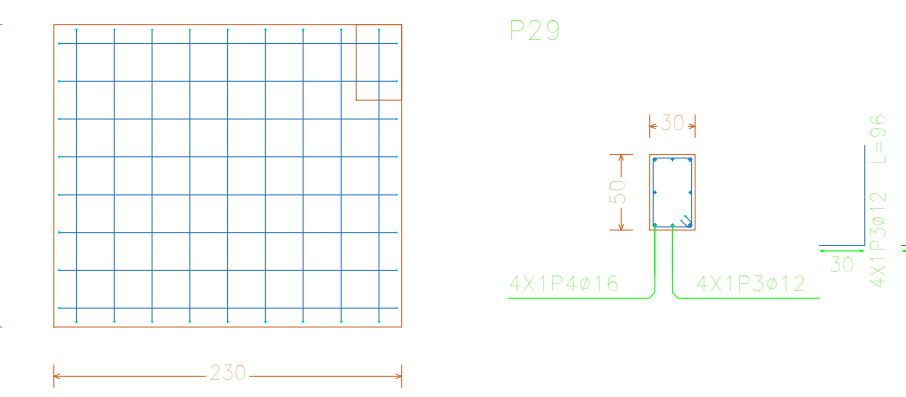
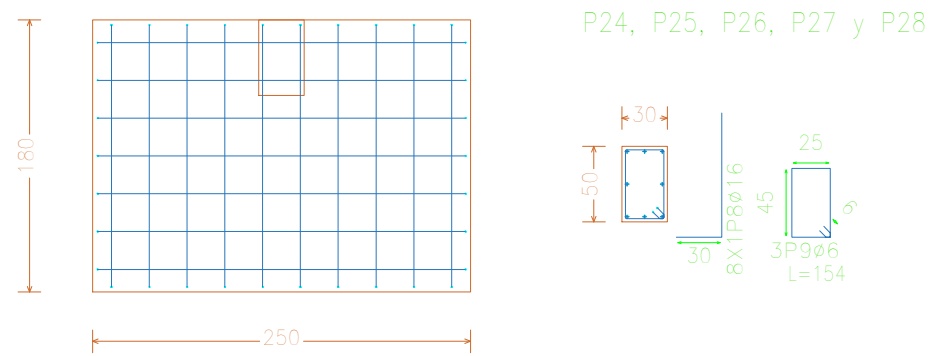
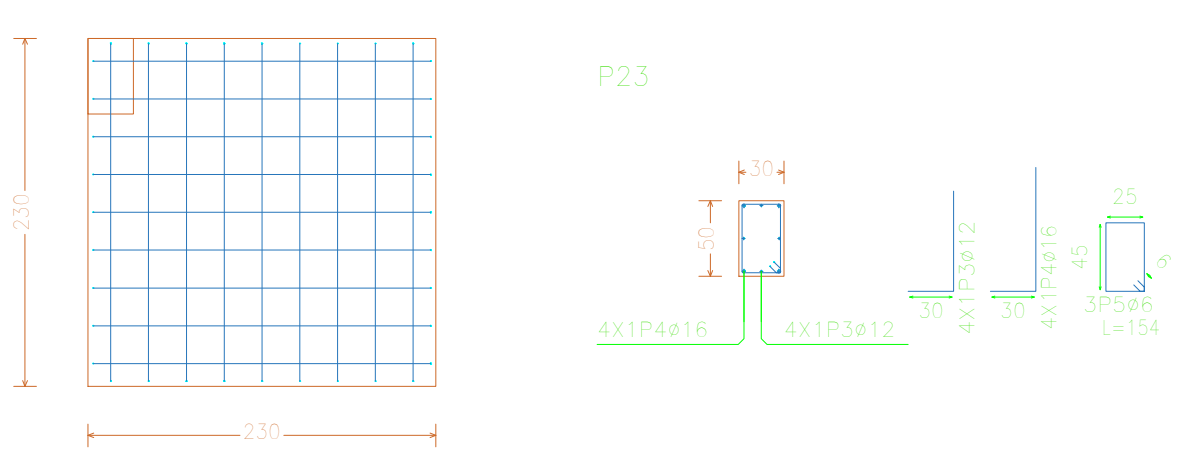
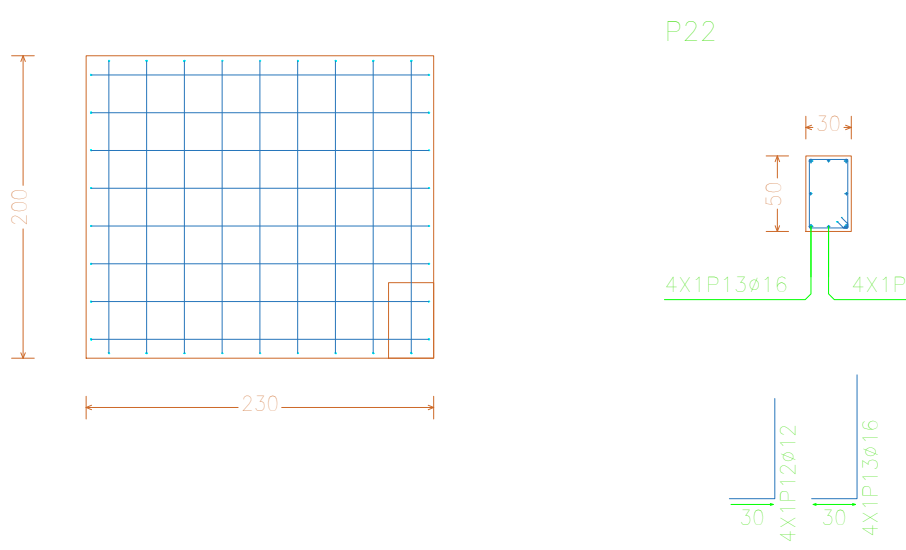
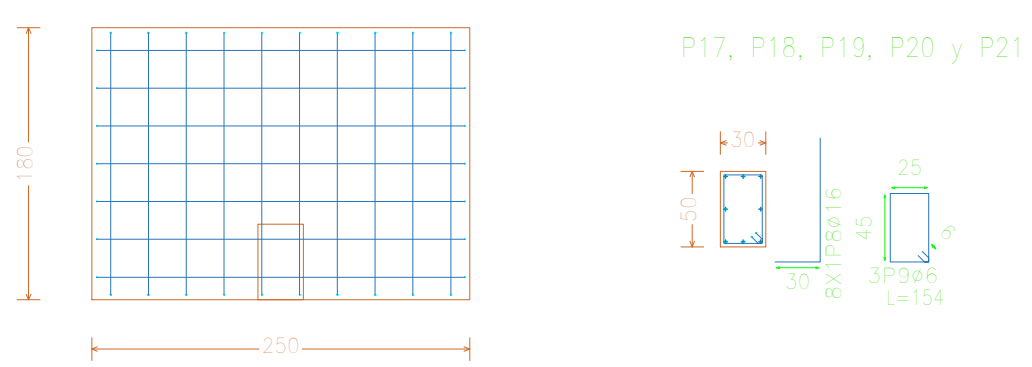
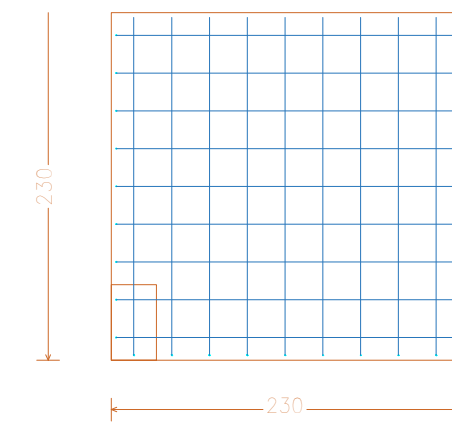


Replanteo Encadenado



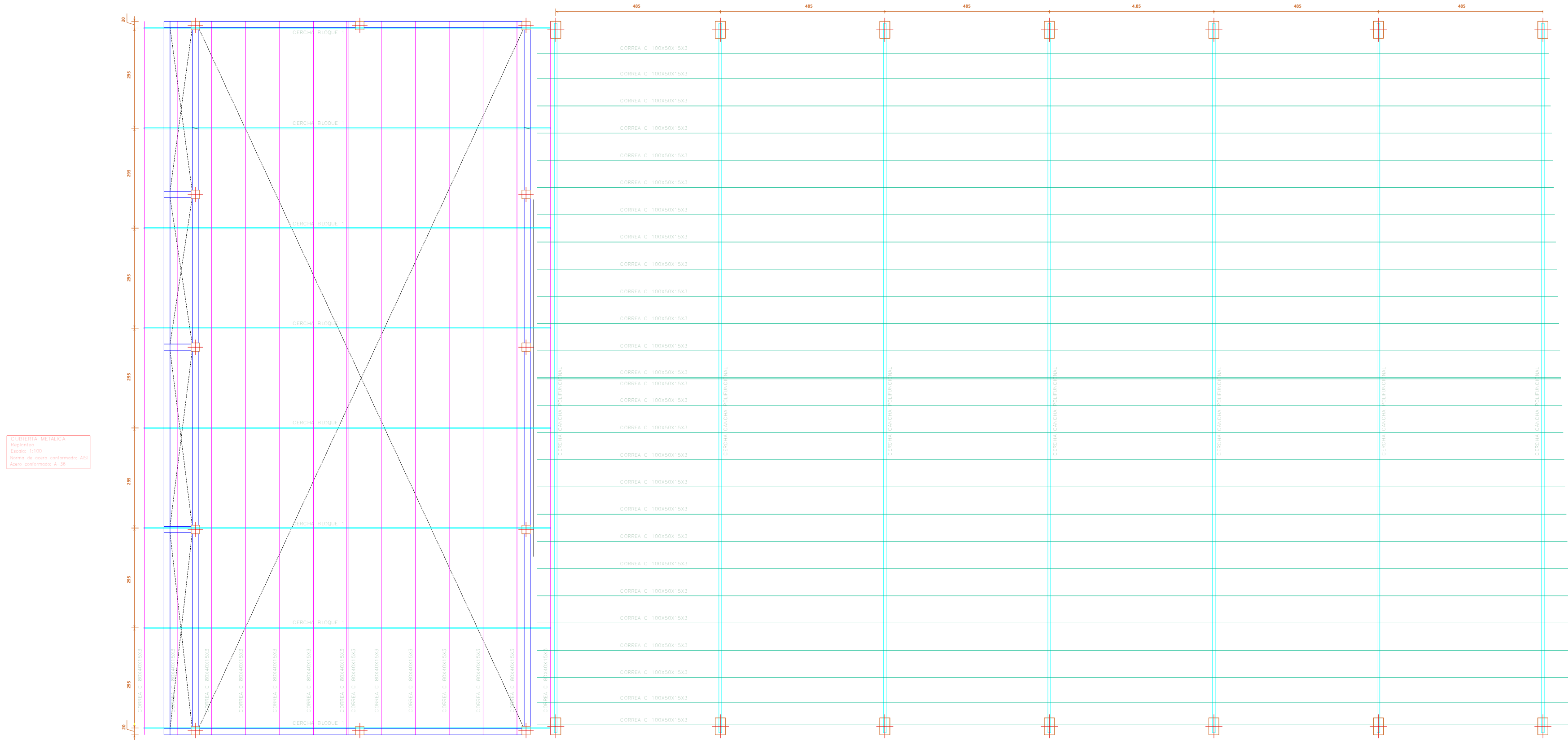
UNIVERSIDAD:	UNIVERSITARIO:	FECHA:	PROYECTO:	CARACTER:	ESCALA:	LAMINA:
JUAN MISAEL SARACHO	YEISON PABLO VARGAS JUCHANI	Junio - 2021	CENTRO DEPORTIVO CULTURAL DEL GRAN CHACO	PLANO DE REPLANTEO	1:100	3 de 11

DESPIECE DE CIMENTACIONES

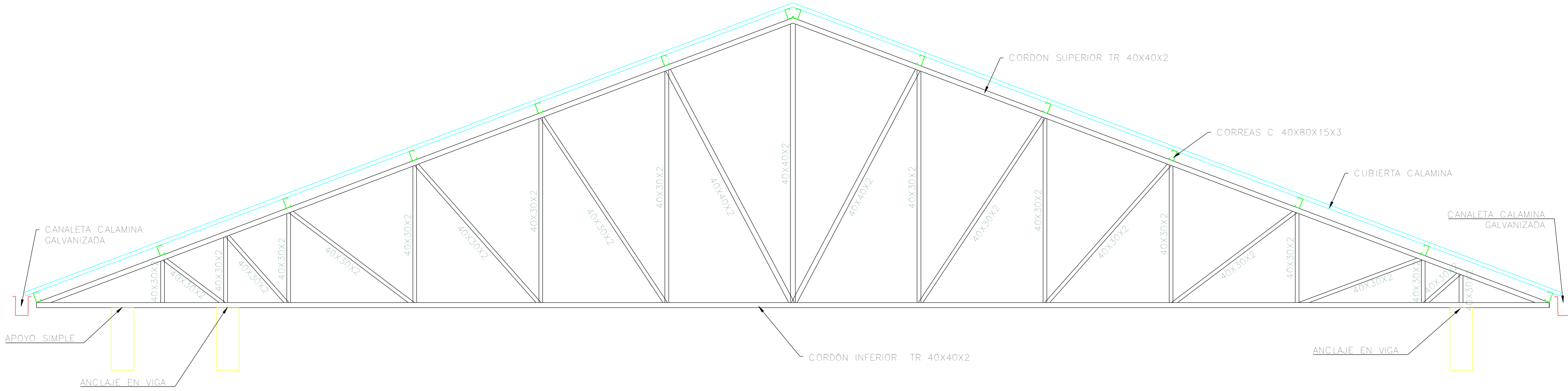
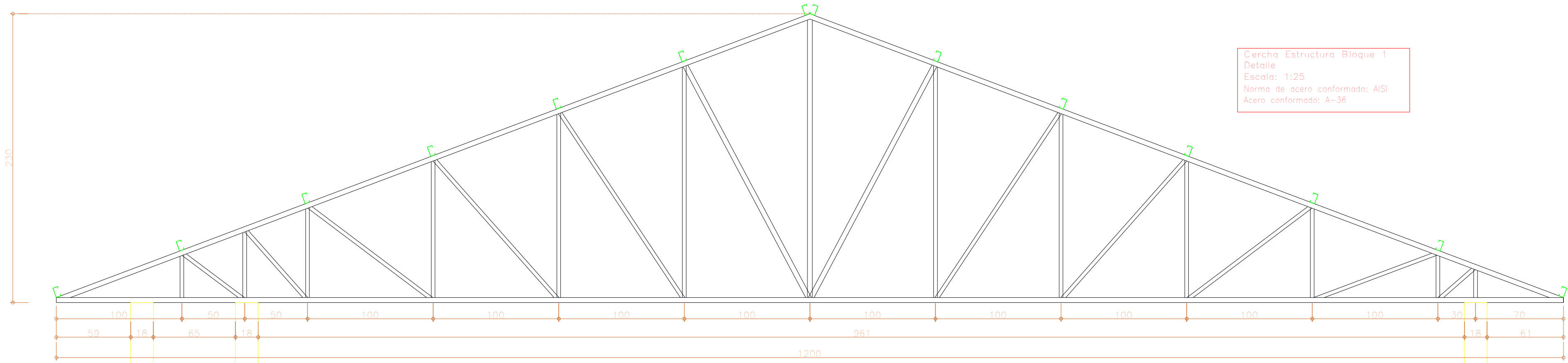
[illegible]

UNIVERSIDAD:	UNIVERSITARIO:	FECHA:	PROYECTO:	CARACTER:	ESCALA:	LAMINA:
JUAN MISAEAL SARACHO	YEISON PABLO VARGAS JUCHANI	Junio - 2021	CENTRO DEPORTIVO CULTURAL DEL GRAN CHACO	DESPIECE DE CIMENTACION	Indicada	4 ^{de 11}

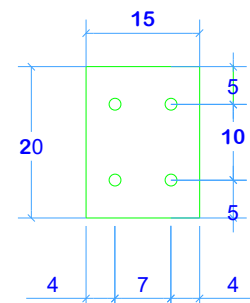
Replanteo Estructura Metálica



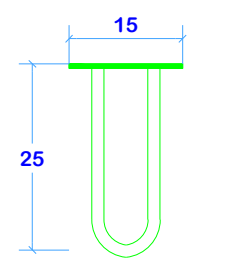
Cercha Bloque 1



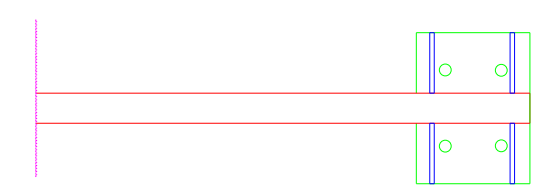
DETALLE ANCLAJE
escala 1:10



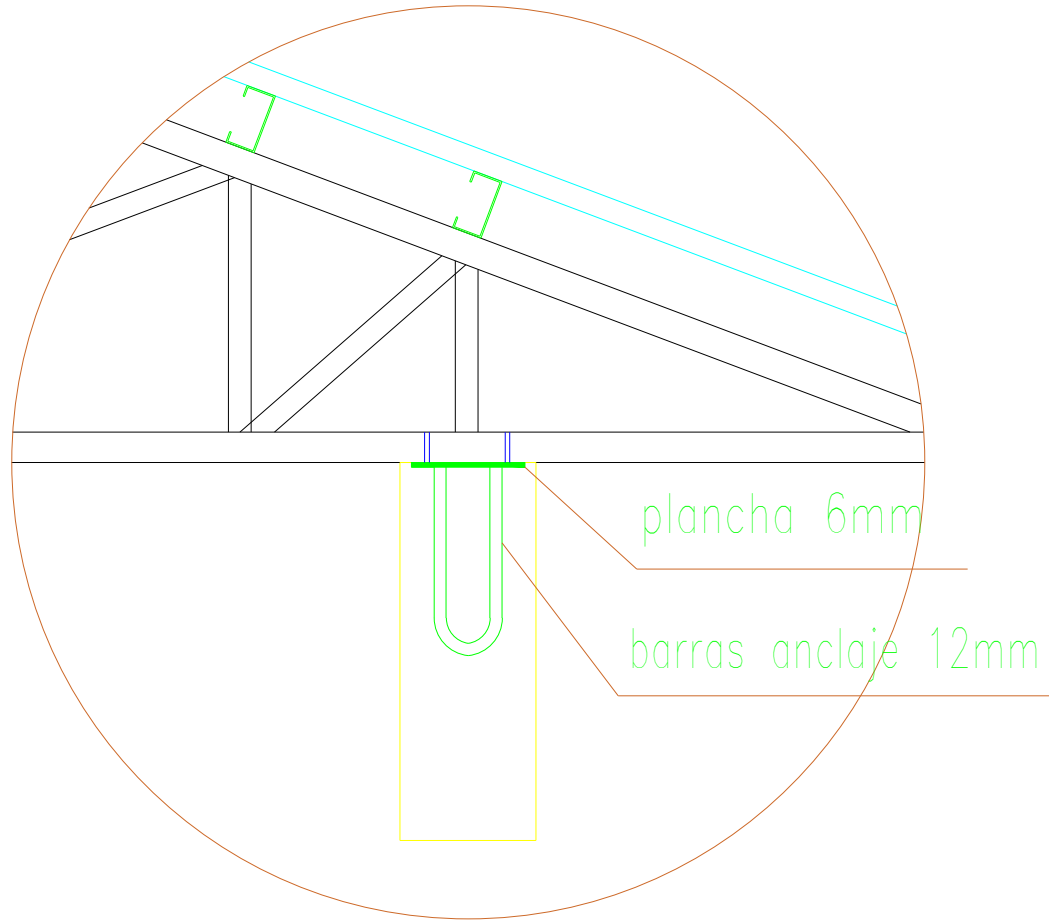
plancha 6mm



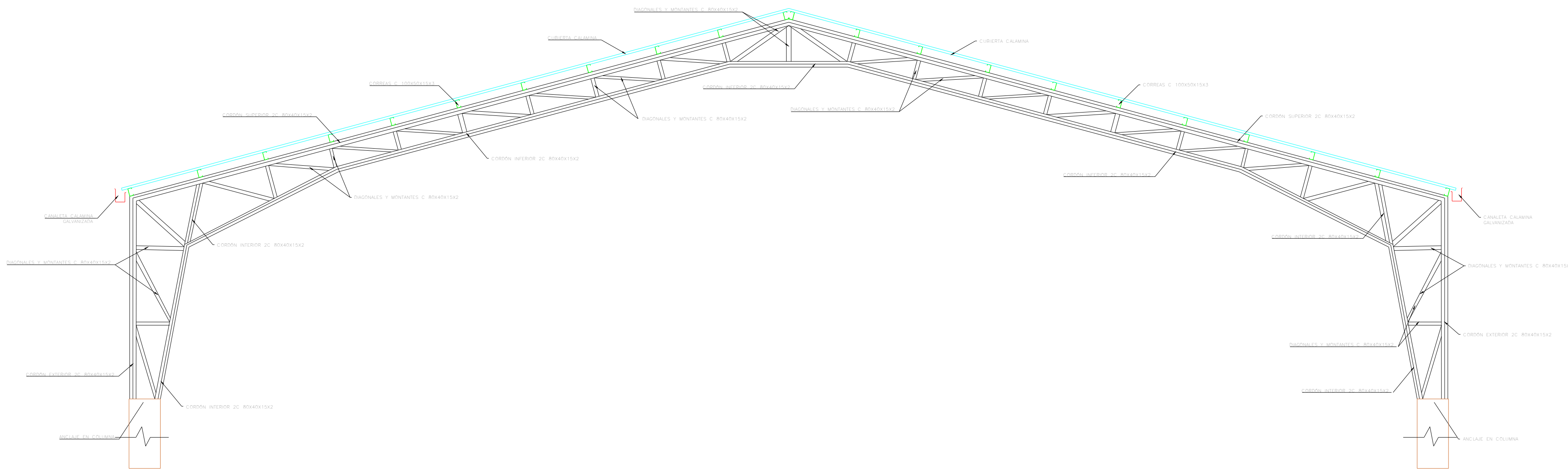
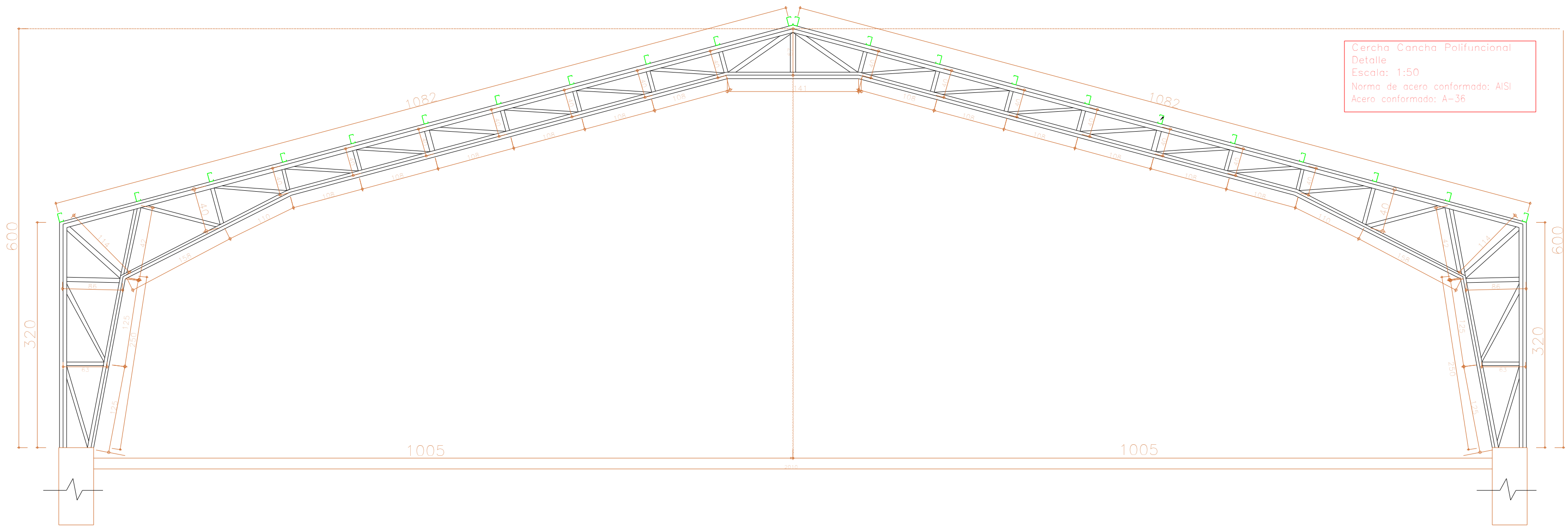
barras anclaje 12mm



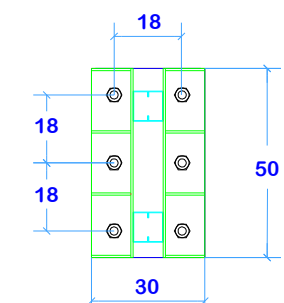
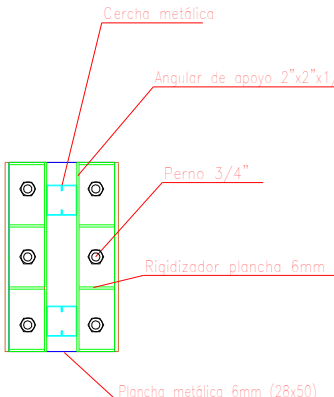
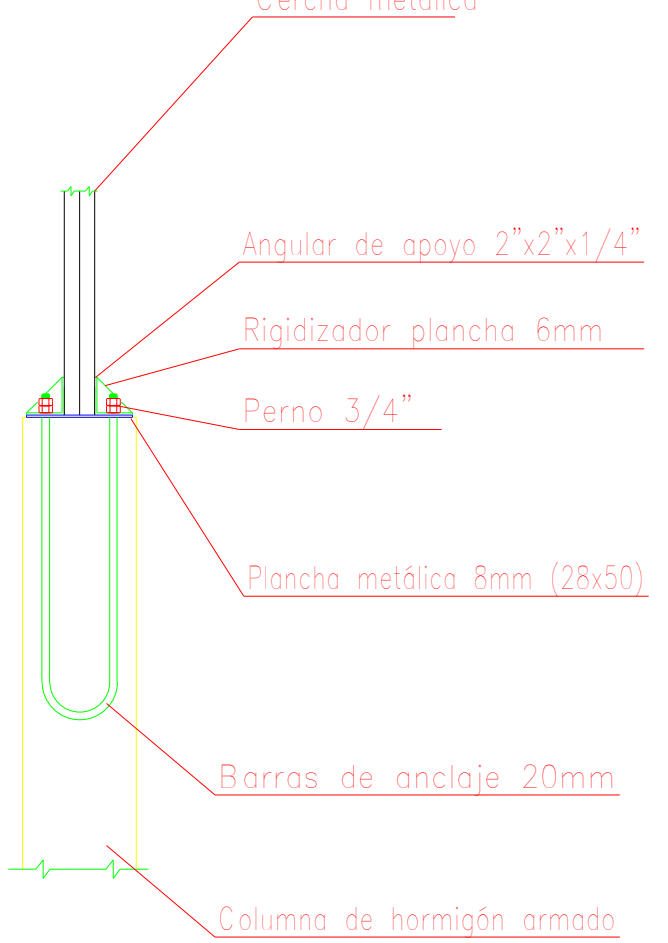
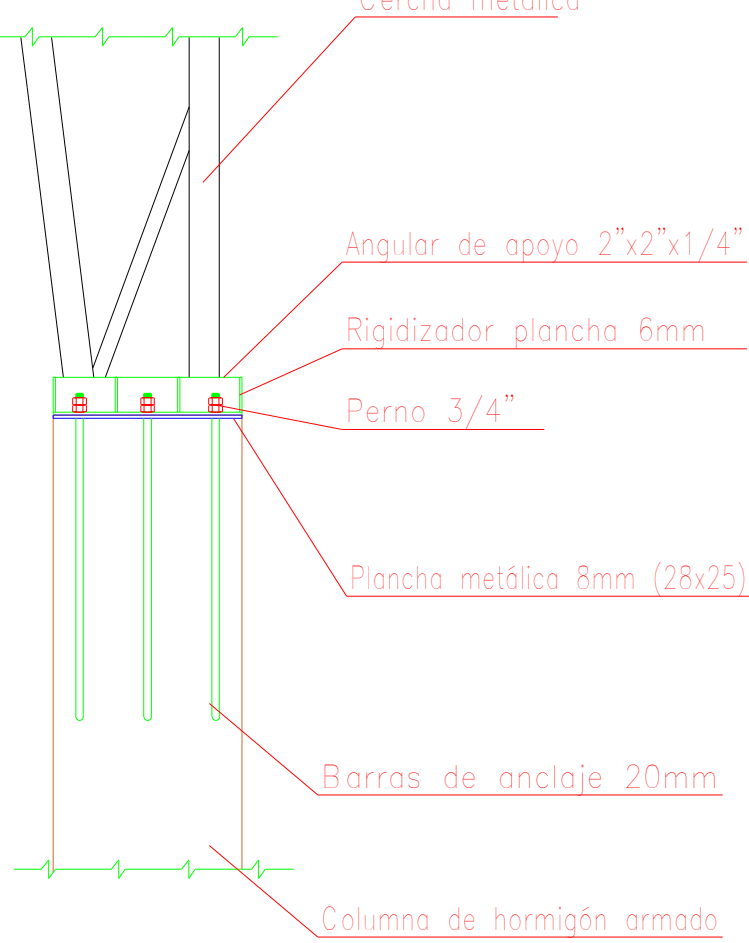
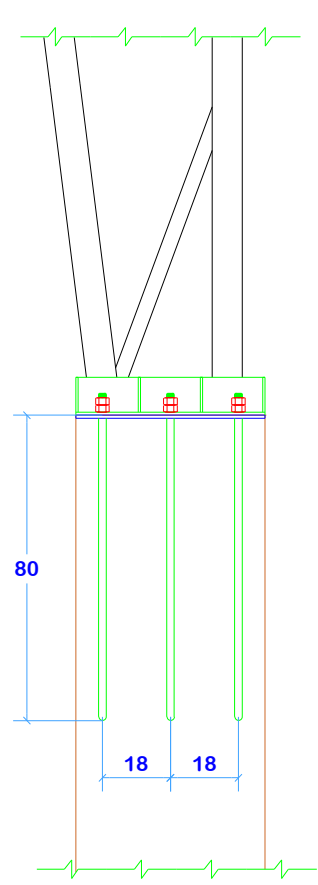
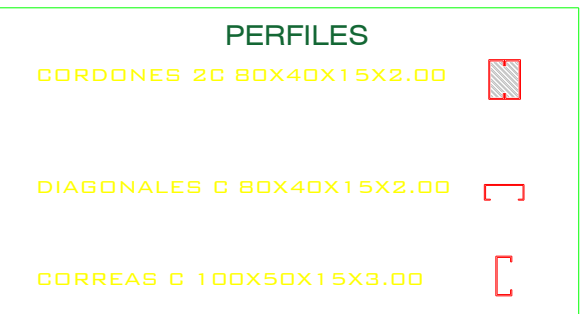
rigidizador 6mm



Cercha Cancha Polifuncional



DETALLE DE ANCLAJE
Escala: 1-20

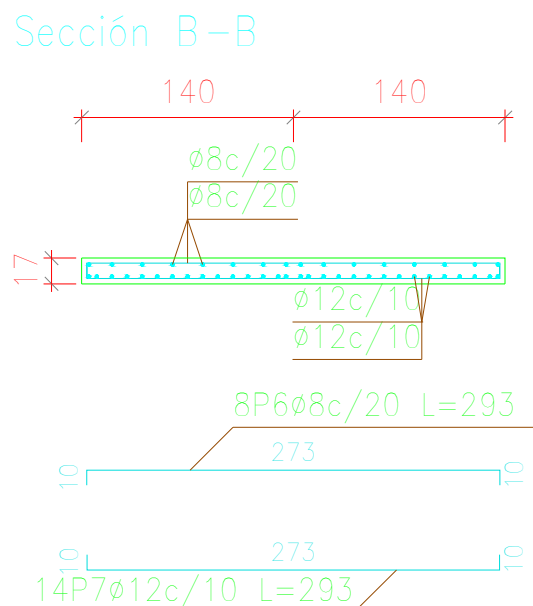
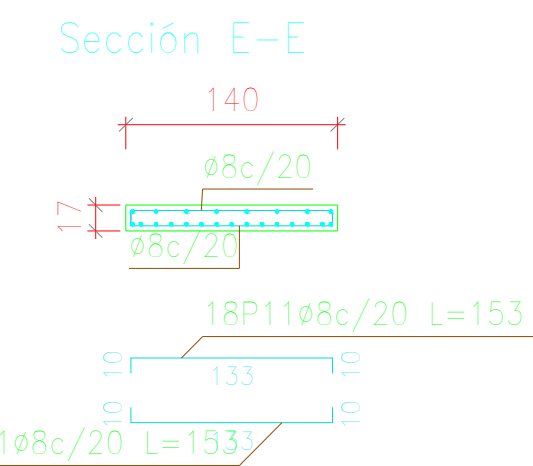
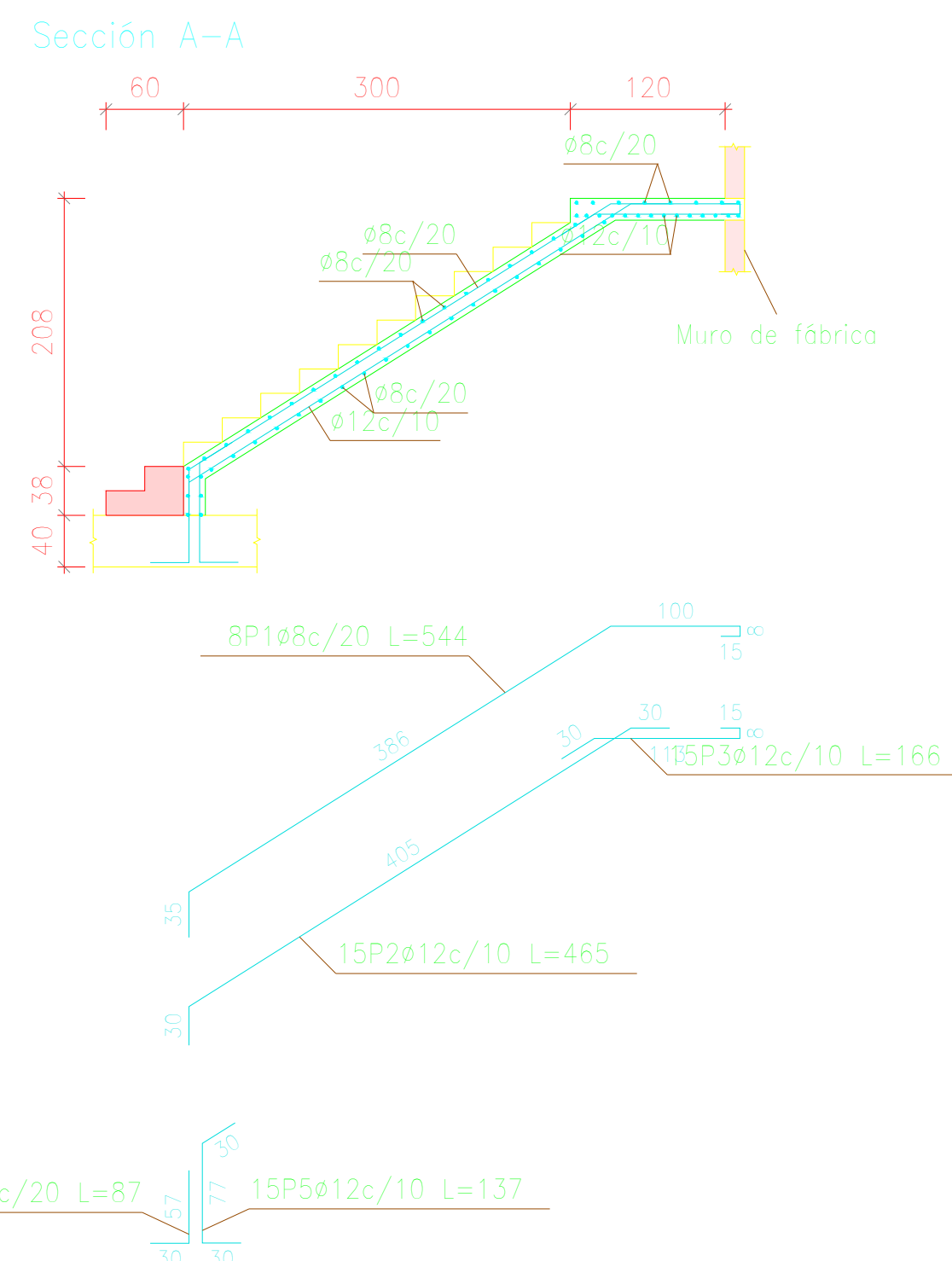
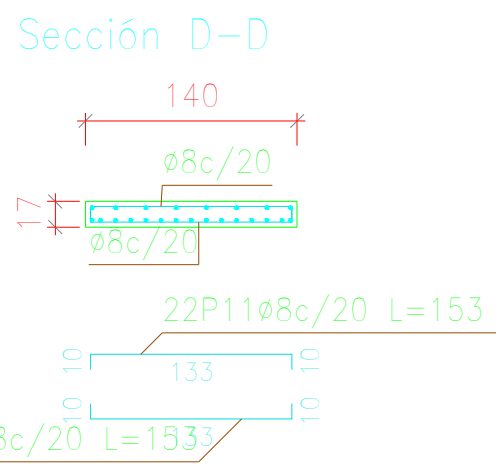
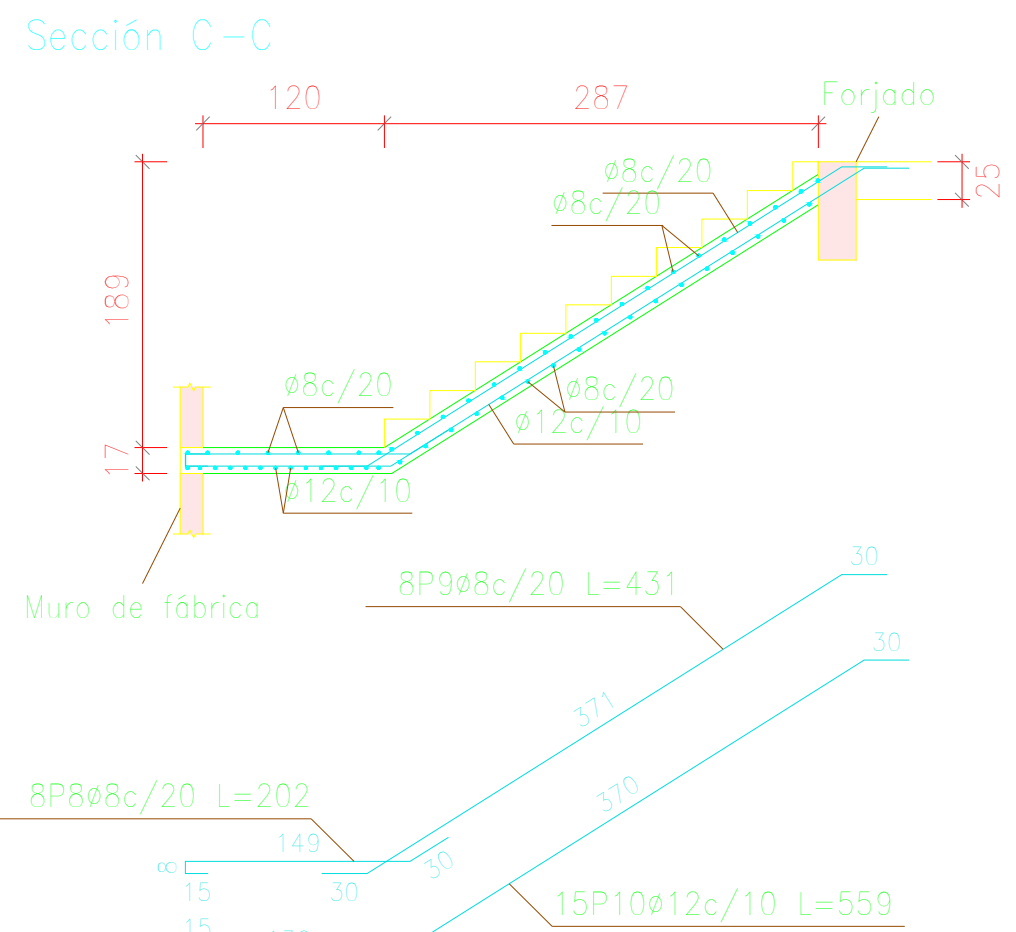
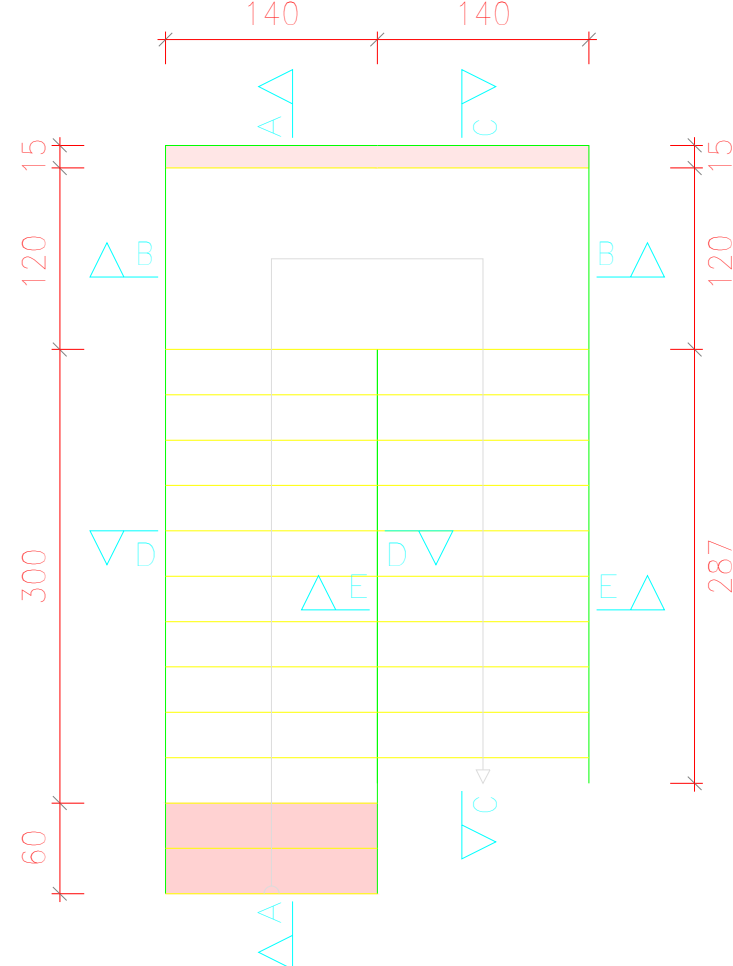


UNIVERSIDAD:	UNIVERSITARIO:	FECHA:	PROYECTO:	CARACTER:	ESCALA:	LAMINA:
JUAN MISAEL SARACHO	YEISON PABLO VARGAS JUCHANI	Junio - 2021	CENTRO DEPORTIVO CULTURAL DEL GRAN CHACO	CUBIERTAS METALICAS	Indicada	5 de 11

Escalera 1

Esc: 1:50

Escalera 1	
Ámbito	1,400 m
Espesor	0,17 m
Huella	0,300 m
Contrahuella	0,189 m
Desnivel que salva	4,35 m
Nº de escalones	23
Planta final	PLANTA ALTA
Planta inicial	PLANTA BAJA
Peso propio	0,425 t/m2
Peldaños (Hormigonado con la losa)	0,200 t/m2
Solado	0,100 t/m2
Barandillas	0,300 t/m
Sobrecarga de uso	0,400 t/m2
Hormigón	H-21 , Control Normal
Acero	AH-500 , Control Normal
Rec. geométrico	3,0 cm



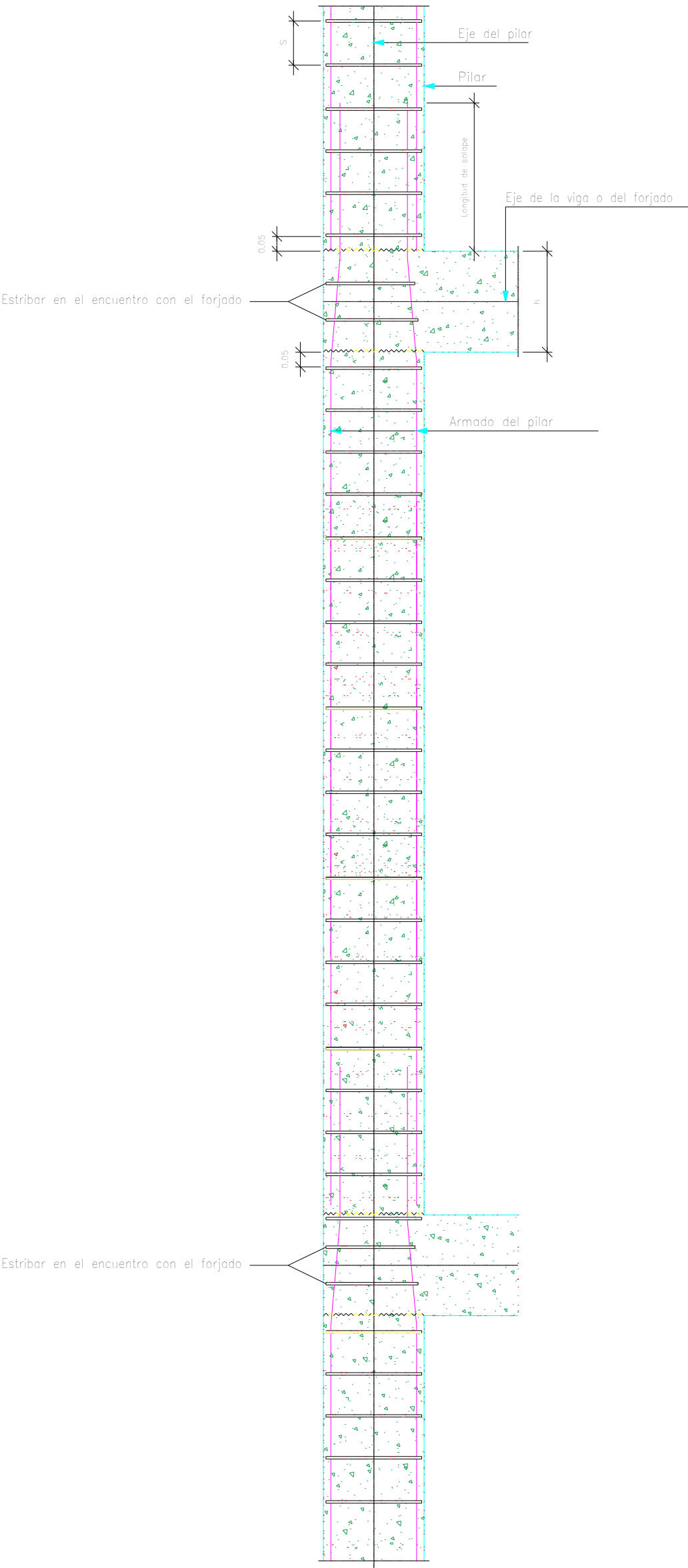
Elemento	Pos.	Diám.	No.	Pat. (cm)	Recta (cm)	Pat. (cm)	Long. (cm)	Total (cm)	AH-500CN (kg)
Escalera 1--Escalera 1	1	ø8	8		544		544	4352	17,2
	2	ø12	15		465		465	6975	61,9
	3	ø12	15		166		166	2490	22,1
	4	ø8	8		87		87	696	2,7
	5	ø12	15		137		137	2055	18,2
	6	ø8	8		293		293	2344	9,2
	7	ø12	14		293		293	4102	36,4
	8	ø8	8		202		202	1616	6,4
	9	ø8	8		431		431	3448	13,6
	10	ø12	15		559		559	8385	74,4
	11	ø8	79		153		153	12087	47,7
Total+10%									340,8
ø8:									106,5
ø12:									234,3
Total:									340,8

Resumen Acero Escalera 1	Long. total (m)	Peso+10% (kg)	Total
AH-500CN ø8	245,4	107	
ø12	240,1	234	341

Detalles de Columnas

P1+P2+P8	P3	P4	P5	P6	P7	P9+P10+P11+P12	P13+P15	P14	P16	P1+P18+P19+P20 P21+P24+P25+P28 P27+P29	P22+P23+P29	P30+P31+P32+P33 P34+P35	ENCADENADO DE CUBIERTA
4ø12 L=385 2ø8c/15 L=99	4ø12 L=385 2ø8c/15 L=99		4ø12 L=385 2ø8c/15 L=99	4ø12 L=385 2ø8c/15 L=99	4ø12 L=385 2ø8c/15 L=99	4ø12 L=363 2ø8c/15 L=100	4ø12 L=385 2ø8c/15 L=99	4ø16 L=363 2ø8c/20 L=100					PLANTA ALTA
4ø12 L=470 3ø8c/15 L=99	4ø12 L=470 3ø8c/15 L=99	4ø12 L=433 3ø8c/15 L=99	4ø12 L=470 3ø8c/15 L=99	4ø20 L=510 2ø12 L=470 3ø8c/15 L=112	4ø20 L=510 2ø12 L=470 3ø8c/15 L=102	4ø20 L=510 2ø12 L=470 2ø8c/20 L=112 2ø8c/20 L=99 2ø8c/20 L=94	4ø16 L=485 2ø8c/20 L=100	4ø20 L=510 2ø12 L=470 3ø8c/15 L=102	4ø16 L=485 2ø12 L=470 3ø8c/20 L=100	4ø16 L=485 2ø12 L=470 3ø8c/20 L=100	4ø16 L=485 2ø12 L=470 3ø8c/20 L=100	4ø12 L=433 3ø8c/15 L=99	PLANTA BAJA
4ø12 L=115 ø12 L=98	4ø16 L=150 ø16 L=114	4ø12 L=135 ø12 L=98	4ø12 L=135 ø16 L=114	4ø20 L=175 2ø12 L=135 2ø12 L=98	4ø20 L=175 2ø12 L=135 2ø12 L=98	4ø20 L=175 2ø12 L=135 2ø12 L=98 ø16 L=114 ø16 L=114	4ø16 L=150 ø16 L=114	4ø20 L=175 2ø12 L=135 2ø12 L=114	4ø16 L=200 2ø12 L=135 2ø12 L=101	4ø16 L=200 2ø12 L=135 2ø12 L=101	4ø16 L=200 2ø12 L=135 2ø12 L=101	4ø12 L=235 ø12 L=98	PLANTA BAJA
8ø8c/15 L=99	8ø8c/20 L=100	8ø8c/15 L=99	8ø8c/15 L=99	8ø8c/15 L=112	8ø8c/15 L=102	8ø8c/20 L=112 8ø8c/20 L=99 8ø8c/20 L=94	8ø8c/20 L=100	8ø8c/20 L=102	15ø8c/15 L=46 15ø8c/15 L=46 15ø8c/15 L=46	15ø8c/15 L=46 15ø8c/15 L=46 15ø8c/15 L=46	15ø8c/15 L=46 15ø8c/15 L=46 15ø8c/15 L=46	15ø8c/15 L=99	LOCAL DE CONSTRUCCIÓN
													Zapatas

Detalle de estribado de pilares



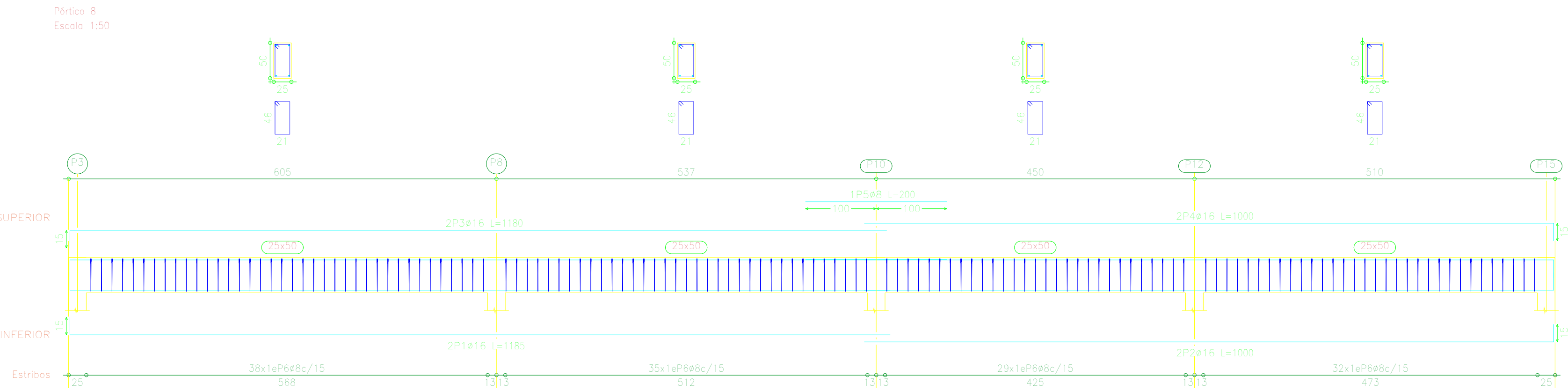
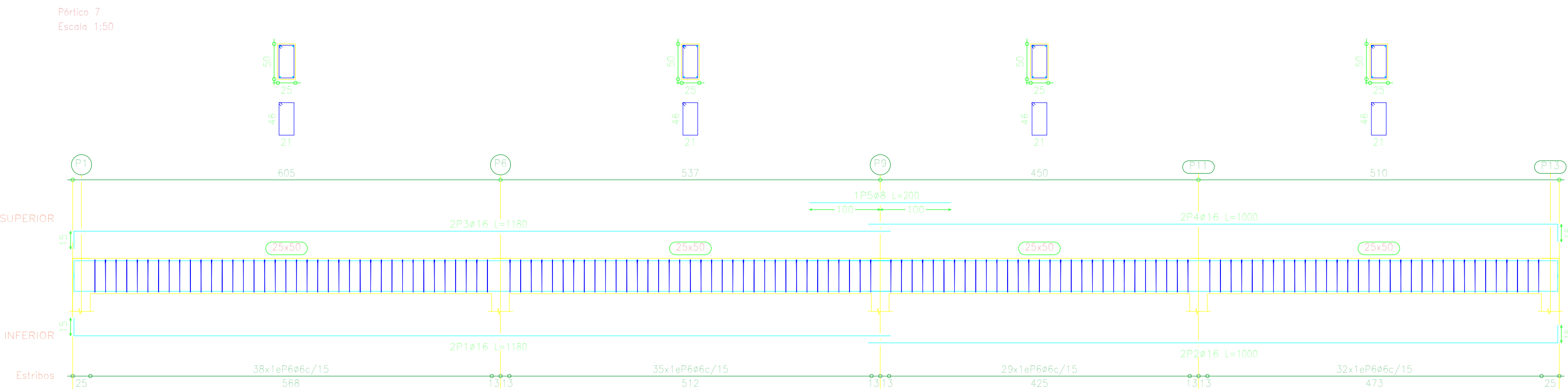
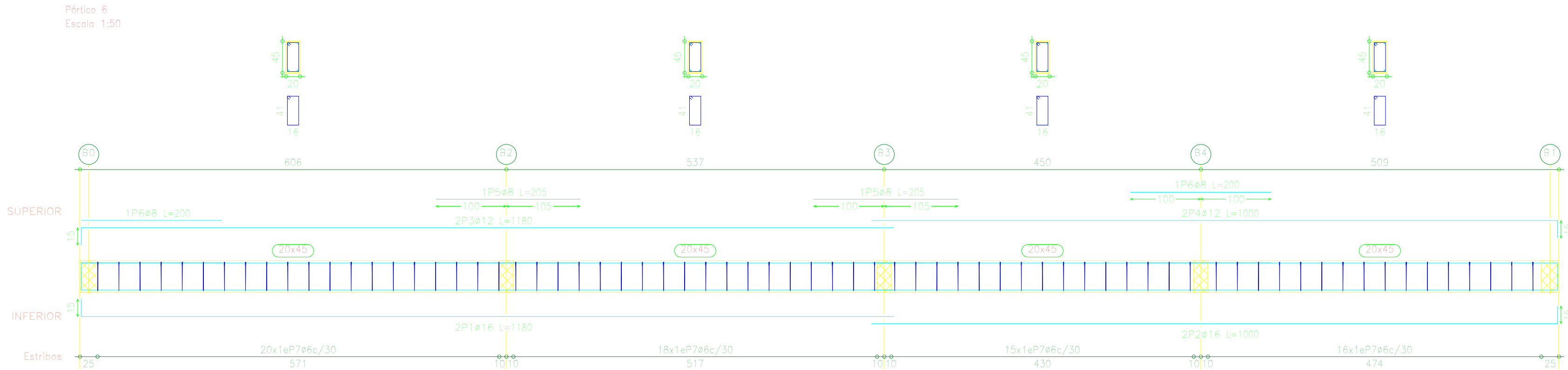
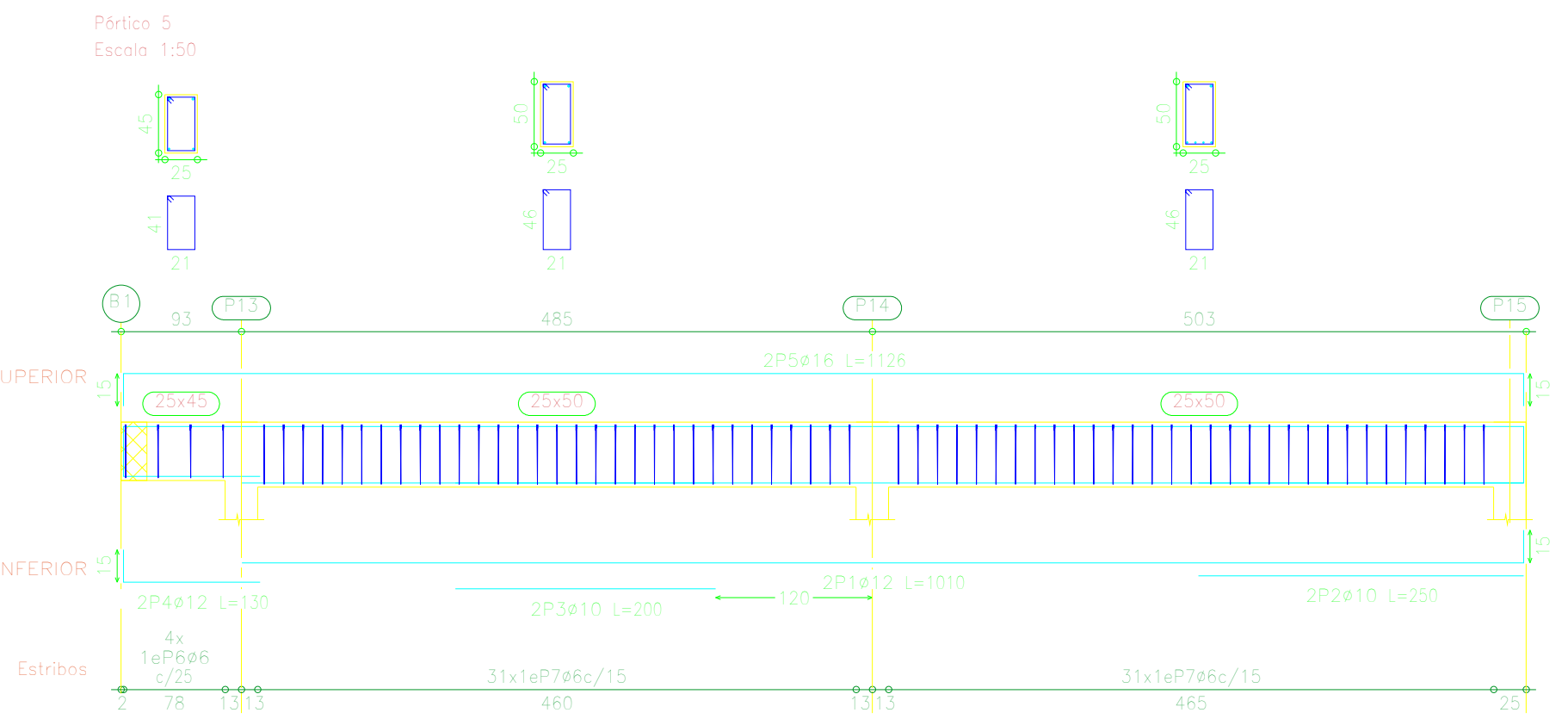
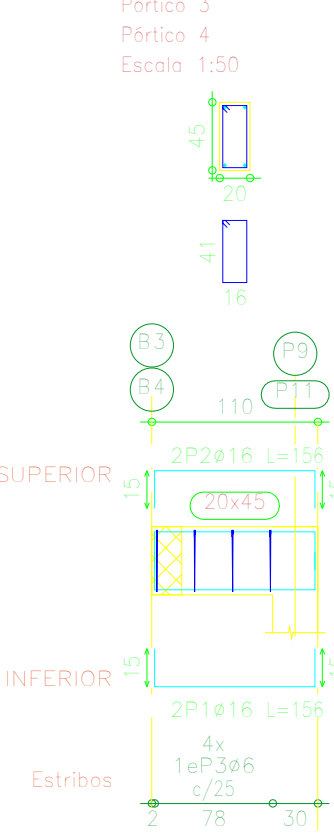
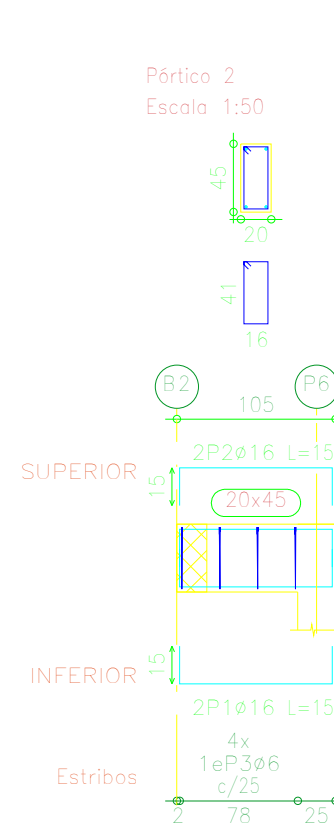
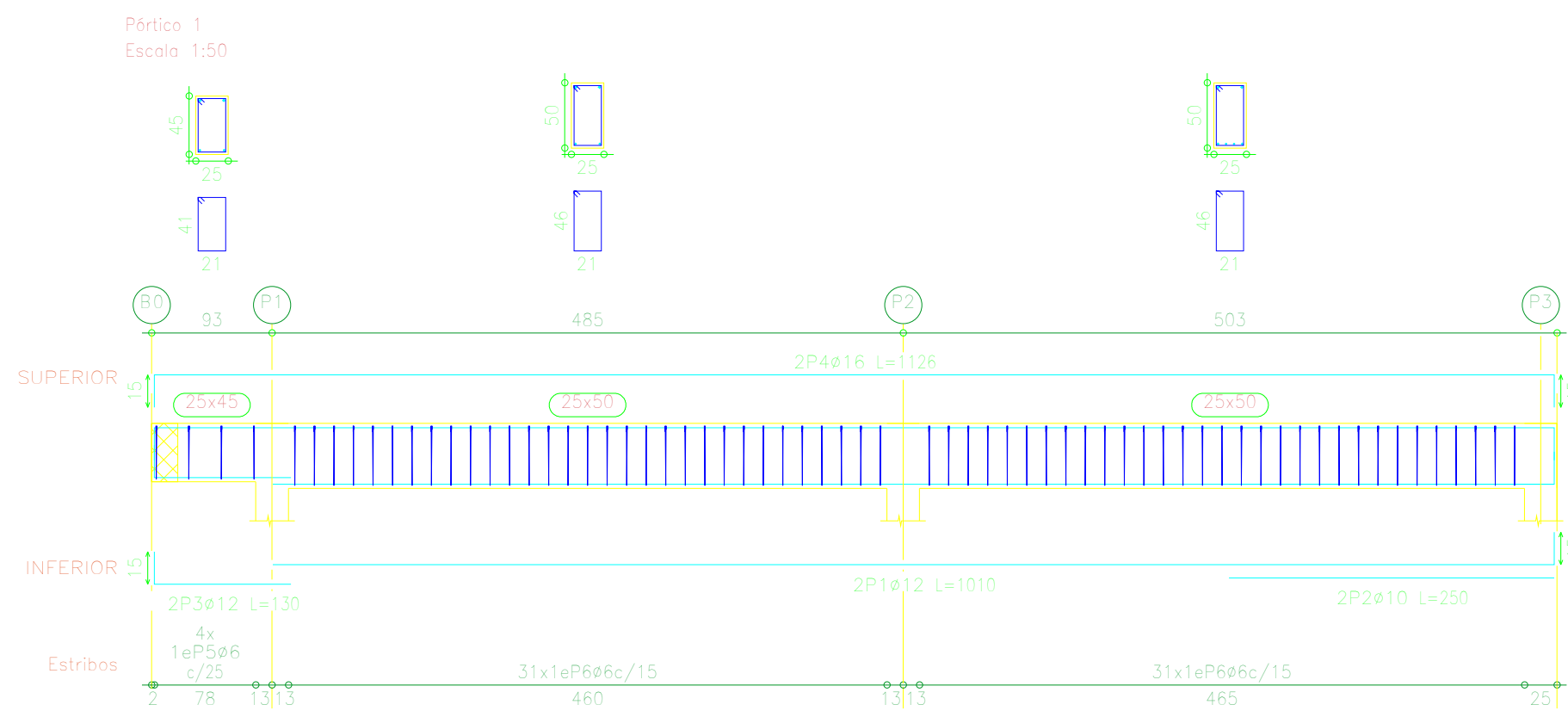
Cuadro de pilares
Hormigón: H-21 , Control Normal
Acero: AH-500 , Control Normal
Escala: 1:100

Resumen Acero Forjados 1 a 4 Pilares	Long. total (m)	Peso+10% (kg)	Total
AH-500CN ø6	2678,5	654	
ø12	693,1	677	
ø16	1041,5	1808	
ø20	242,3	657	3796



Elemento	Pos.	Diám.	No.	Pat. (cm)	Recta (cm)	Pat. (cm)	Long. (cm)	Total (cm)	AH-500CN (kg)
Pértica 1	1	ø10	2	19	931		950	1900	11.7
	2	ø10	2		631	19	650	1300	8.0
	3	ø10	2	19	931		950	1900	11.7
	4	ø10	2		631	19	650	1300	8.0
	5	ø6	95				70	6650	14.8
Total+10%:									59.6
Pértica 7	1	ø12	2	32	1076		1140	2280	20.2
	2	ø12	2	32	1076	32	1140	2280	20.2
	3	ø6	85				106	9010	20.0
Total+10%:									66.4
Pértica 2	1	ø12	2	32	1076	32	1140	2280	20.2
	2	ø12	2	32	1076		1140	2280	20.2
	3	ø16	2		205		205	410	6.5
	4	ø12	1		200		200	200	1.8
	5	ø6	70				106	7420	16.5
	6	ø6	10				110	1100	4.3
Total+10%:									76.5
Pértica 3	1	ø12	2	33	448	34	515	1030	9.1
	2	ø12	2	33	448	34	515	1030	9.1
	3	ø12	3		200		200	600	5.3
	4	ø6	34				106	3604	8.0
Total+10%:									34.7
Pértica 4=Pértica 5	1	ø16	2	23	1076	23	1122	2244	35.4
	2	ø12	2	23	1076	23	1122	2244	19.9
	3	ø20	8		300		300	2400	59.2
	4	ø6	38				116	4408	9.8
	5	ø10	24				124	2976	18.3
Total+10%; (x2):									156.9
Pértica 6	1	ø12	2	32	1076	32	1140	2280	20.2
	2	ø12	2		1076	34	1110	2220	19.7
	3	ø16	2		300		300	600	9.5
	4	ø6	74				106	7644	17.4
Total+10%:									73.5
Pértica 8	1	ø12	2	32	1168		1200	2400	21.3
	2	ø12	2		983	32	1015	2030	18.0
	3	ø12	2	32	1183		1215	2430	21.6
	4	ø12	2		993	32	1025	2050	18.2
	5	ø6	166				96	15036	35.4
Total+10%:									126.0
Pértica 9	1	ø12	2	24	1166		1190	2380	21.1
	2	ø12	2		976		1000	2000	17.8
	3	ø12	2	24	1166	24	1190	2380	21.1
	4	ø12	2		981	24	1005	2010	17.8
	5	ø12	1		205		205	205	1.8
	6	ø12	3		200		200	600	5.3
	7	ø6	133				106	14098	31.3
Total+10%:									127.8
Pértica 10	1	ø12	2	24	1076	24	1124	2248	20.0
	2	ø12	2		1076	24	1100	2200	19.5
	3	ø12	3		205		205	615	5.5
	4	ø6	70				106	7420	16.5
Total+10%:									67.7

PLANTA ALTA
Despiece de vigas
Hormigón: H-21 , Control Normal
Acero: AH-500 , Control Normal
Escala: 1:50



Elemento	Pos.	Diám.	No.	Pat. (cm)	Recta (cm)	Pat. (cm)	Long. (cm)	Total (cm)	AH-500CN (kg)
Pértica 1	1	ø12	2		985	25	1010	2020	17.9
	2	ø10	2		250		250	500	3.1
	3	ø12	2	25	105		130	260	2.3
	4	ø16	2	25	1076	25	1126	2252	35.5
	5	ø6	4				136	544	1.2
	6	ø6	62				146	9052	20.1
Total+10%:									88.1
Pértica 2	1	ø16	2	25	101	25	151	302	4.8
	2	ø16	2	25	101		151	302	4.8
	3	ø6	4				126	504	1.1
Total+10%:									11.8
Pértica 3=Pértica 4	1	ø16	2	25	106	25	156	312	4.9
	2	ø16	2	25	106		156	312	4.9
	3	ø6	4				126	504	1.1
Total+10%: (x2)									12.0 24.0
Pértica 5	1	ø12	2		985	25	1010	2020	17.9
	2	ø10	2		250		250	500	3.1
	3	ø10	2		200		200	400	2.5
	4	ø12	2	25	105		130	260	2.3
	5	ø16	2	25	1076	25	1126	2252	35.5
	6	ø6	4				136	544	1.2
	7	ø6	62				146	9052	20.1
Total+10%:									90.9
Pértica 6	1	ø16	2	25	1155		1180	2360	37.2
	2	ø16	2		975	25	1000	2000	31.6
	3	ø12	2	25	1155		1180	2360	37.2
	4	ø12	2		975	25	1000	2000	31.6
	5	ø8	2		205		205	410	1.6
	6	ø8	2		200		200	400	1.6
	7	ø6	69				126	8694	19.3
Total+10%:									143.1
Pértica 7	1	ø16	2	25	1155		1180	2360	37.2
	2	ø16	2		975	25	1000	2000	31.6
	3	ø16	2	25	1155		1180	2360	37.2
	4	ø16	2		975	25	1000	2000	31.6
	5	ø8	1		200		200	200	0.8
	6	ø6	134				146	19564	43.4
Total+10%:									200.0
Pértica 8	1	ø16	2	25	1160		1185	2370	37.4
	2	ø16	2		975	25	1000	2000	31.6
	3	ø16	2	25	1155		1180	2360	37.2
	4	ø16	2		975	25	1000	2000	31.6
	5	ø8	1		200		200	200	0.8
	6	ø8	134				150	20100	79.3
Total+10%:									239.7

ENCADENADO DE CUBIERTA
Despiece de vigas
Hormigón: H=21 , Control Normal
Acero: AH-500 , Control Normal
Escala: 1:50

Armadura de refuerzo losa de fundación
Esc: 1:50

Armadura inferior

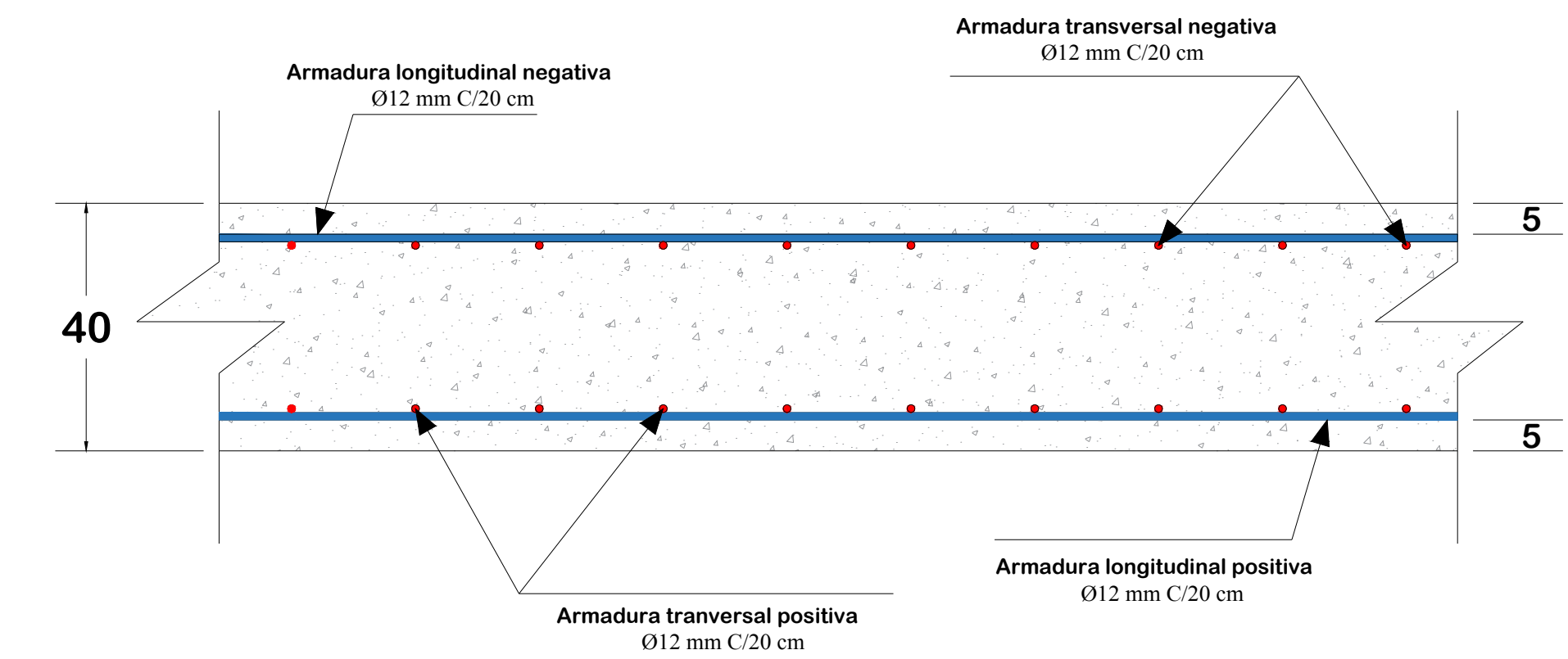
[illegible]

Armadura superior

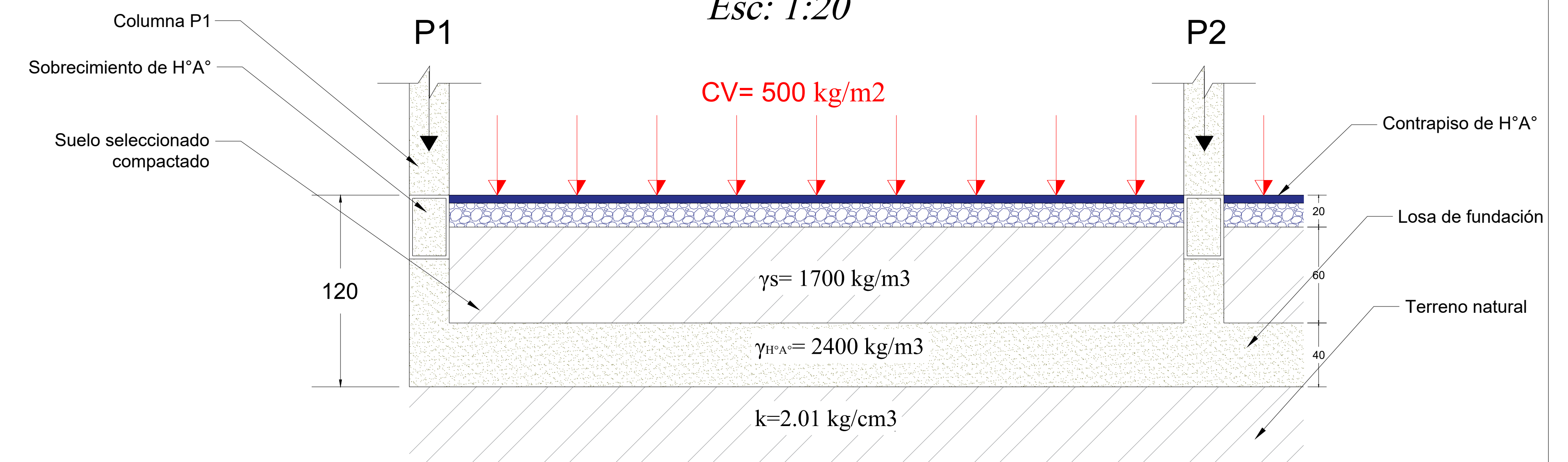
Elemento	Pos.	Diám.	No.	Pat. (cm)	Recto (cm)	Pot. (cm)	Long. (cm)	Total (cm)	AH=500C (kg)
Armadura longitudinal superior	1	Ø10	45		500		300	14170	90,6
								Total = 10%	92,7

Elemento	Pos.	Diám.	No.	Pat. (cm)	Recto (cm)	Pot. (cm)	Long. (cm)	Total (cm)	AH=500C (kg)
Armadura transversal superior	1	Ø10	29		500		300	8150	51,4
								Total = 10%	52,5

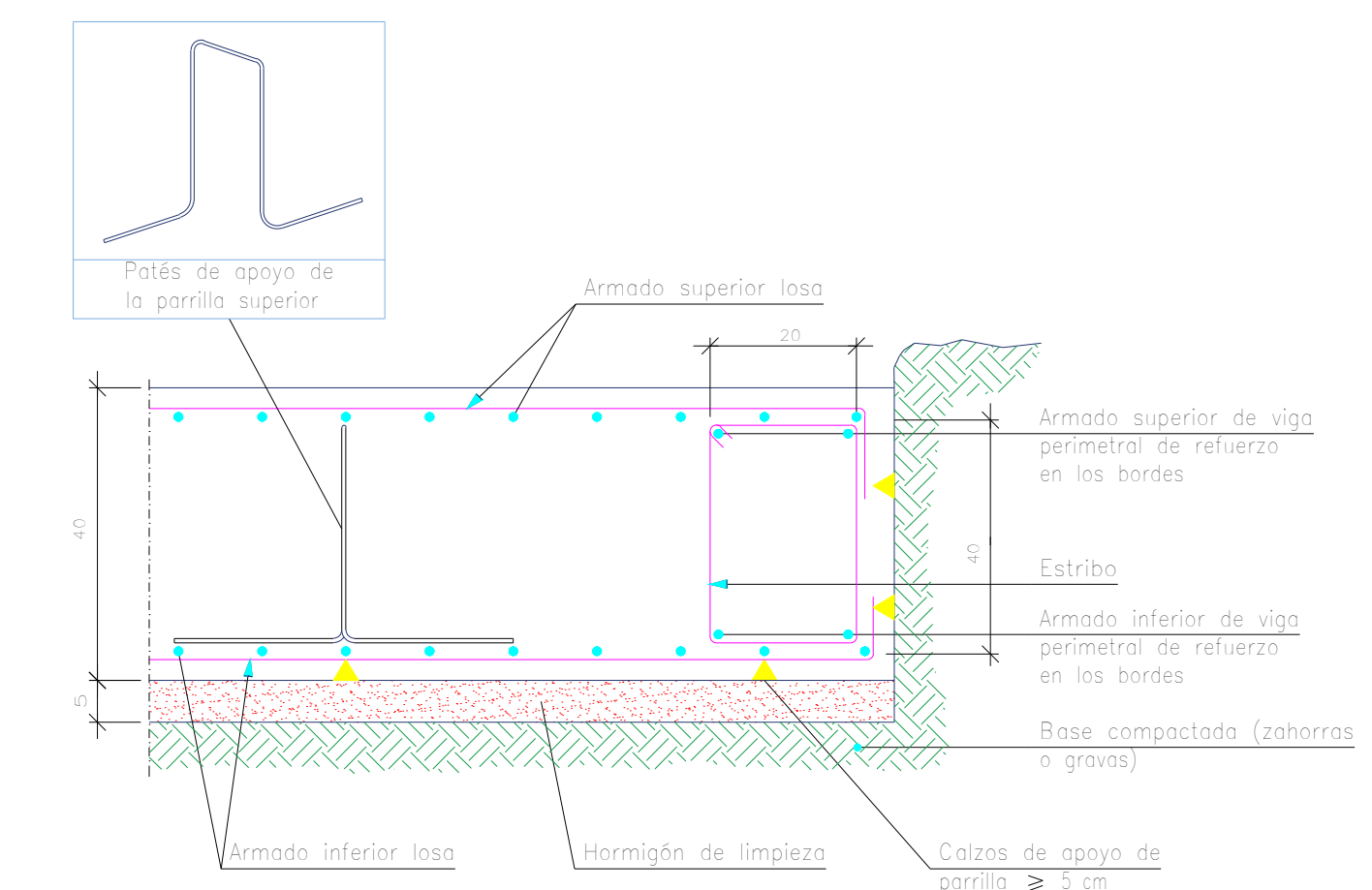
Detalle de armadura base
Esc: 1:10



Corte P1 - P2
Esc: 1:20

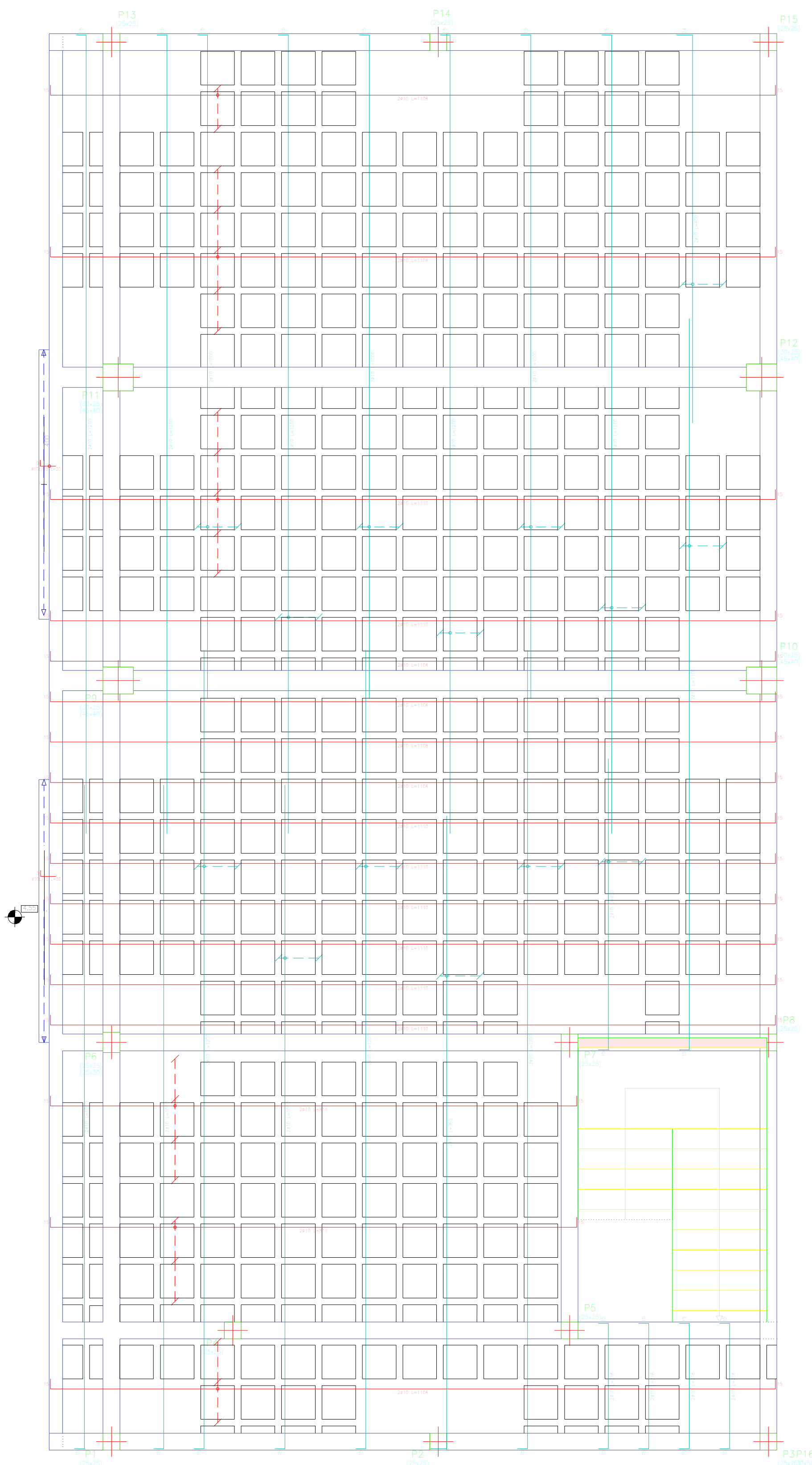


Detalles losa-viga perimetral de borde
Esc: 1:10

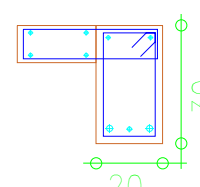


Armadura de losa reticular
Esc: 1:50

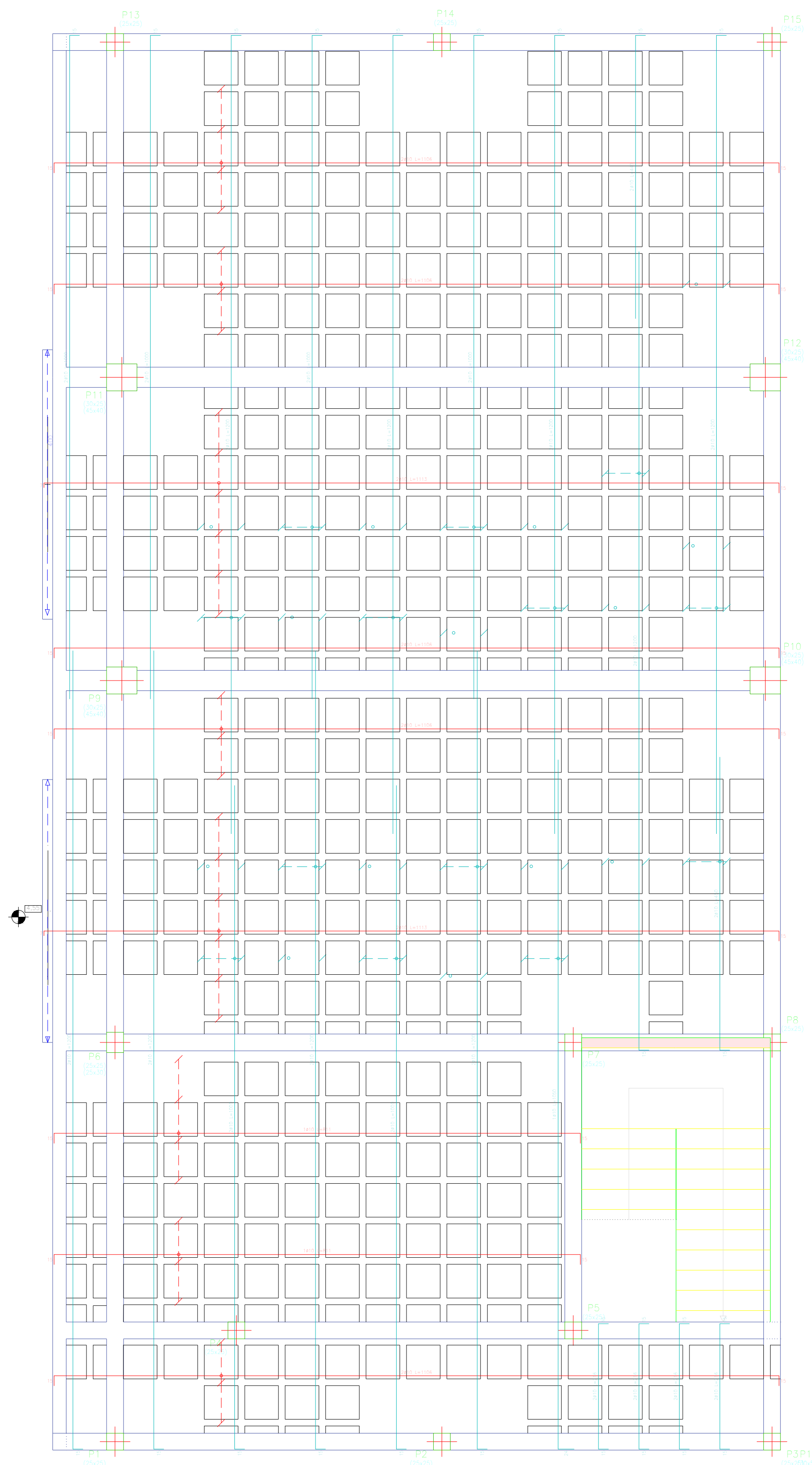
Armadura inferior



PLANTA ALTA
Armadura base en losas macizas
Superior: Ø8 cada 15 cm Inferior: Ø8 cada 15 cm

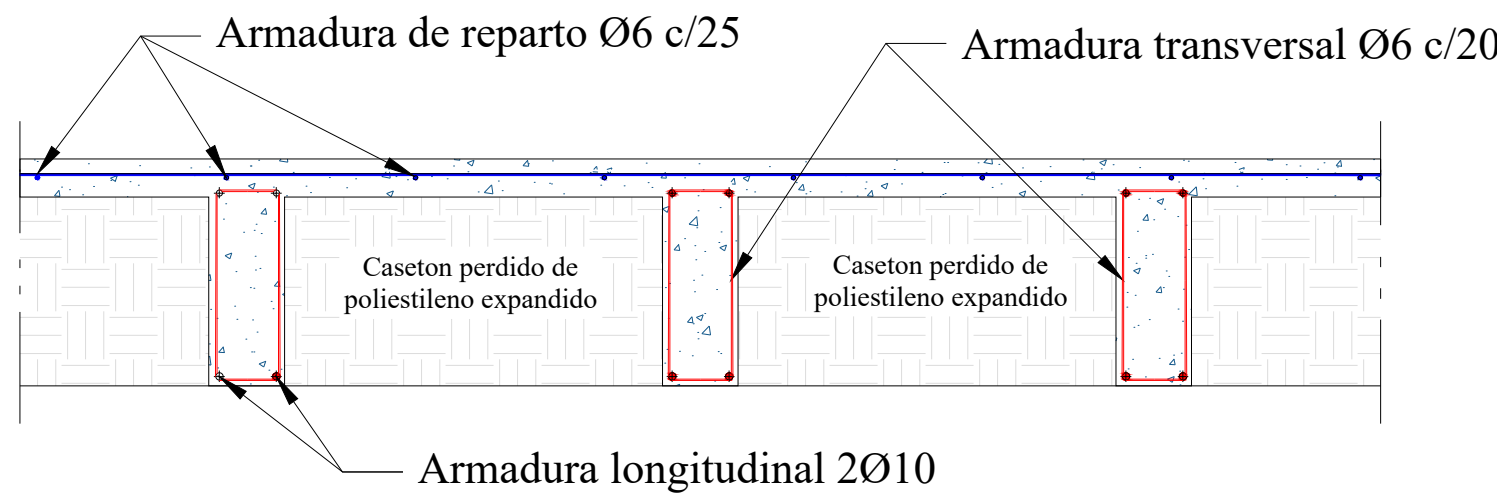


Armadura superior

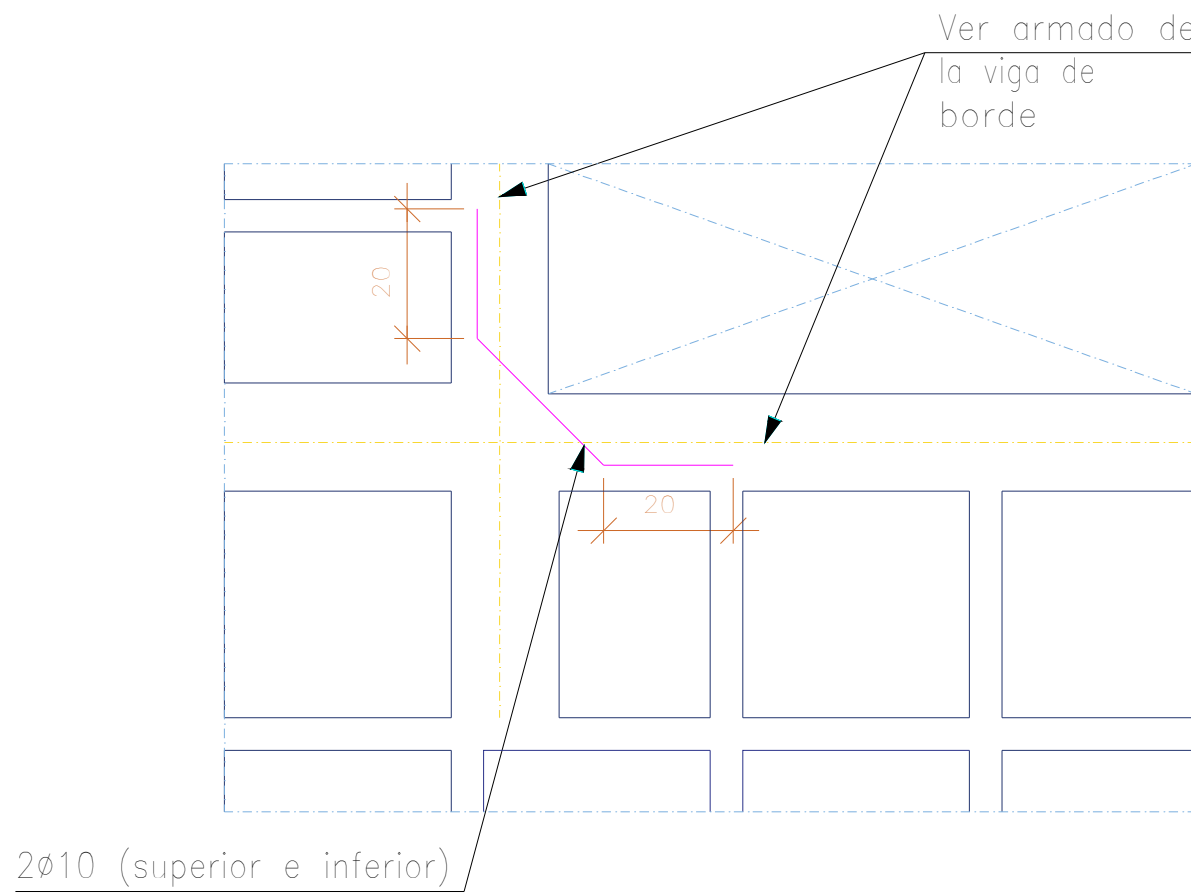


PLANTA ALTA
Replanteo
Hormigón: H-21 , Control Normal
Aceros en forjados: AH-500 , Control Normal
Armadura base en ábacos (por cuadrícula)
Superior: 1Ø12 Inferior: 1Ø12
No detallada en plano
Escala: 1:50

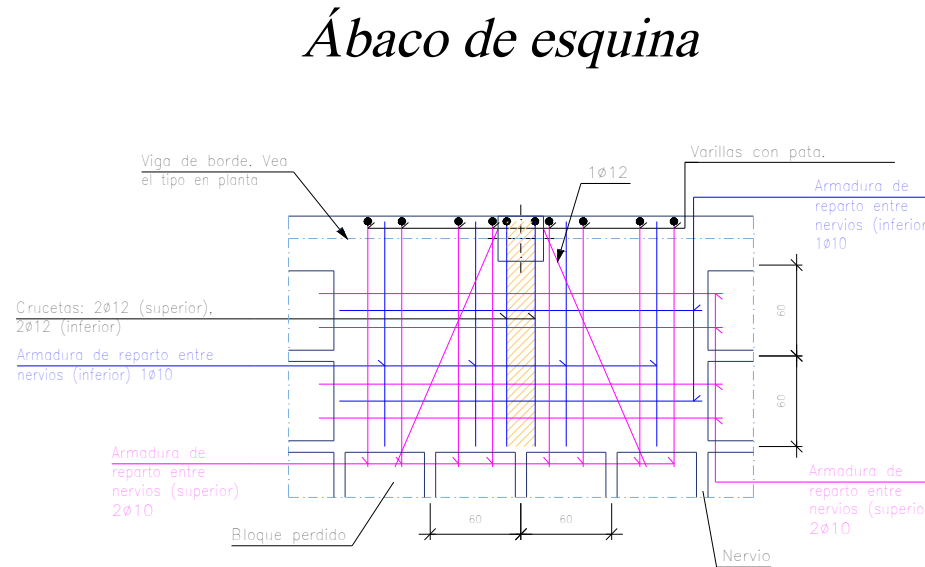
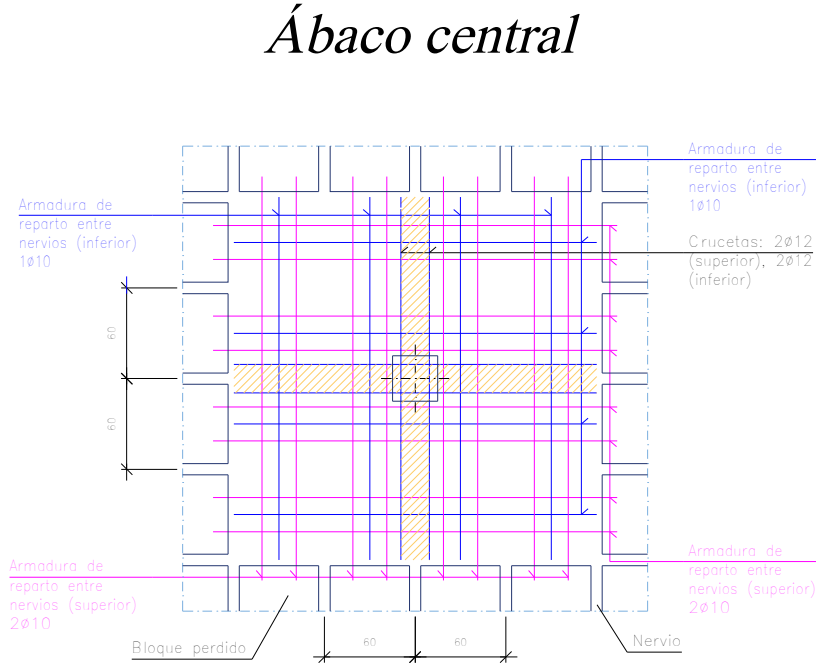
Sección losa reticular
Esc: 1:10



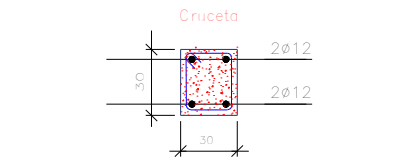
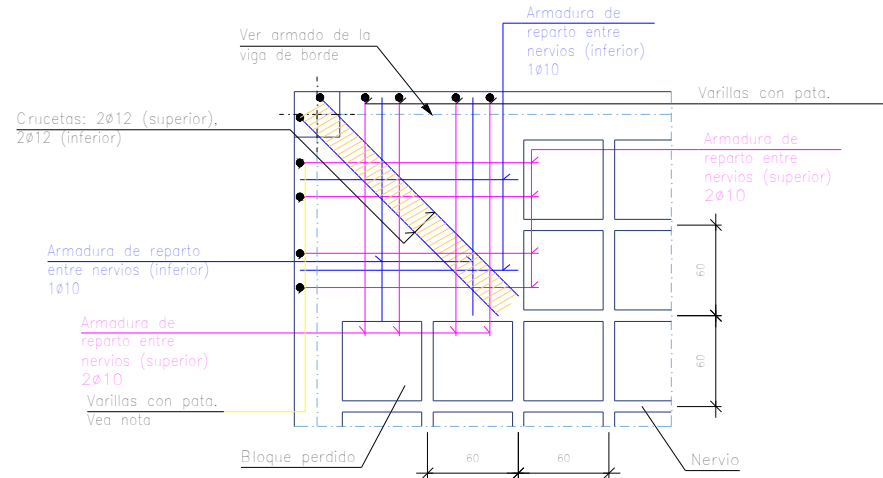
Refuerzo en esquina hueca
Esc: 1:20



Detalle montaje de armadura en ábacos
Esc: 1:50



Ábaco de medianería



Ver los puntos superiores de los repartos y de los casetones, desde para cuando haya un plano de borde.