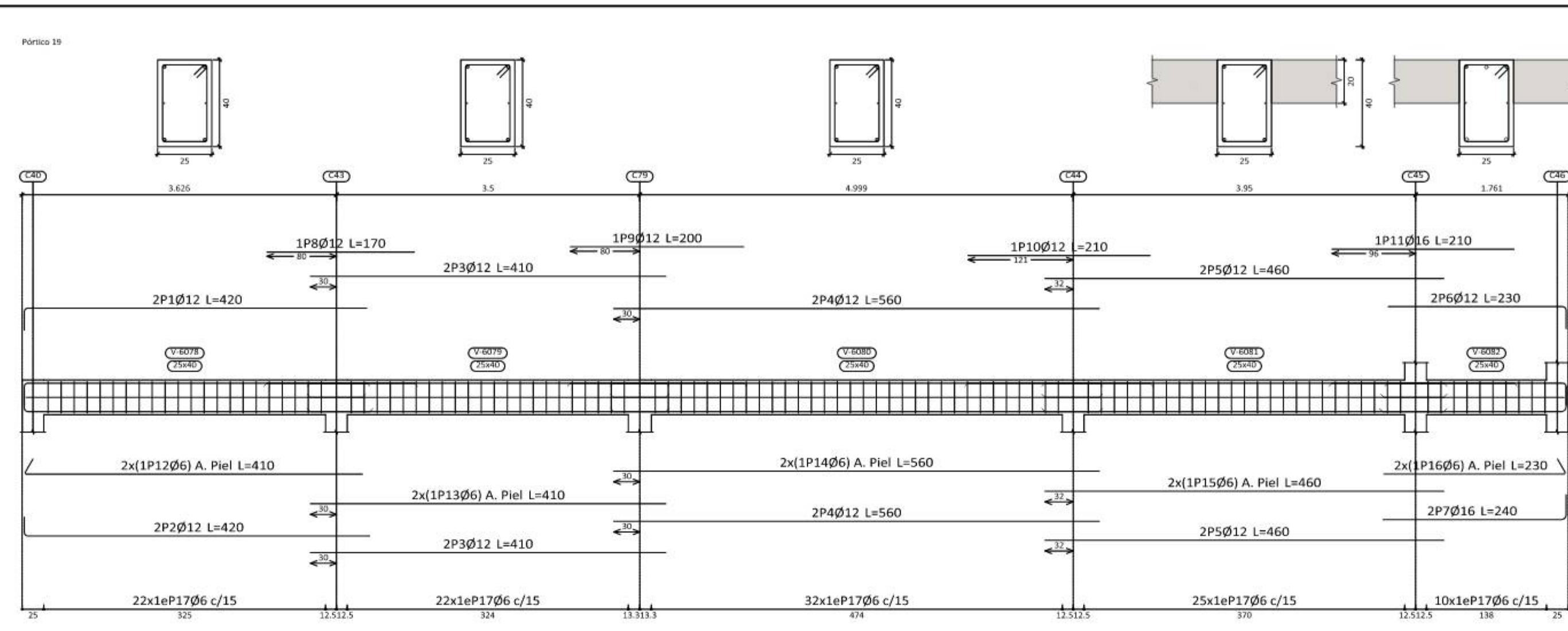
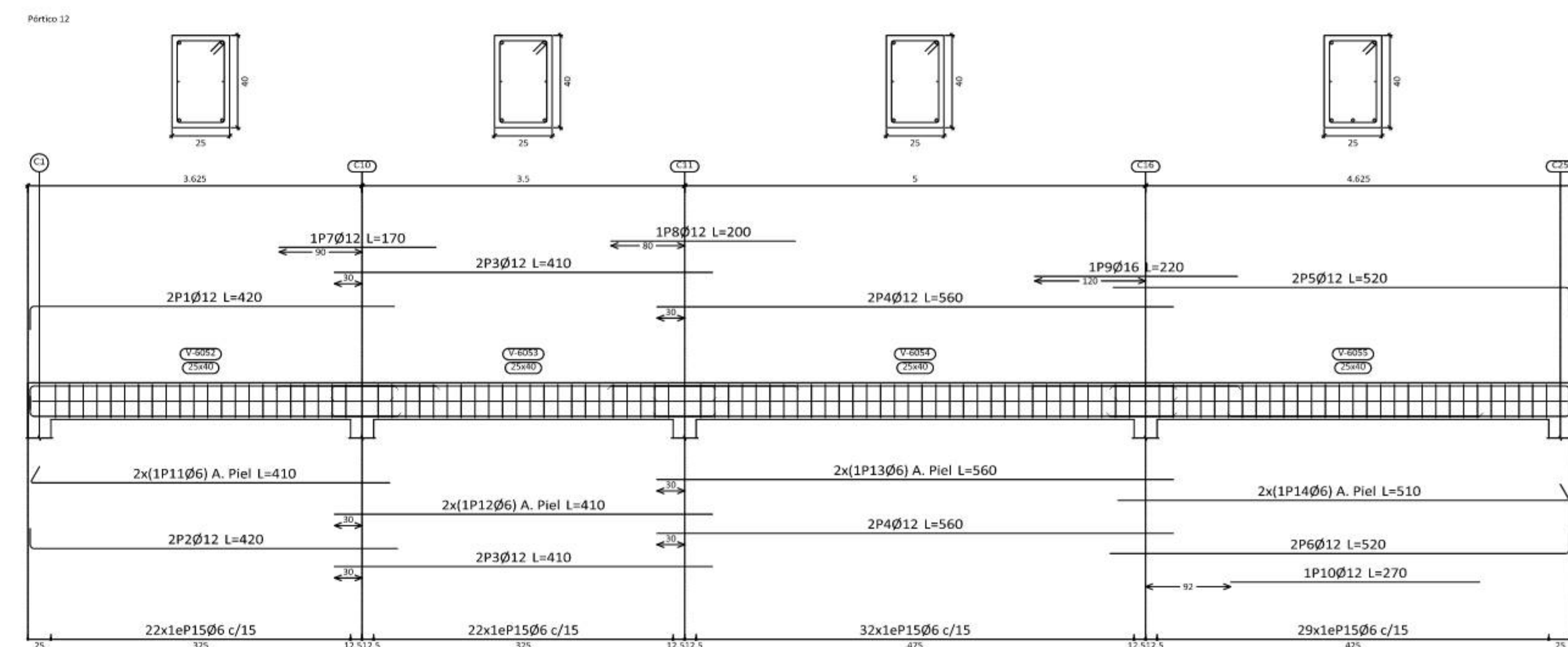
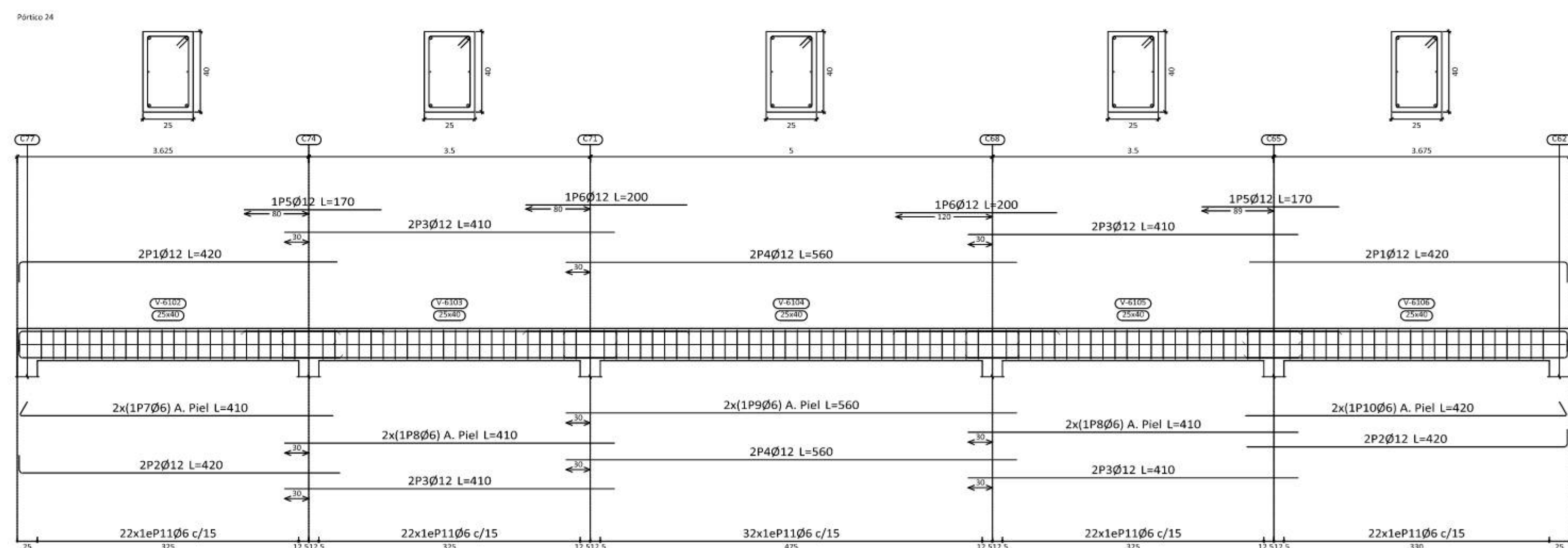




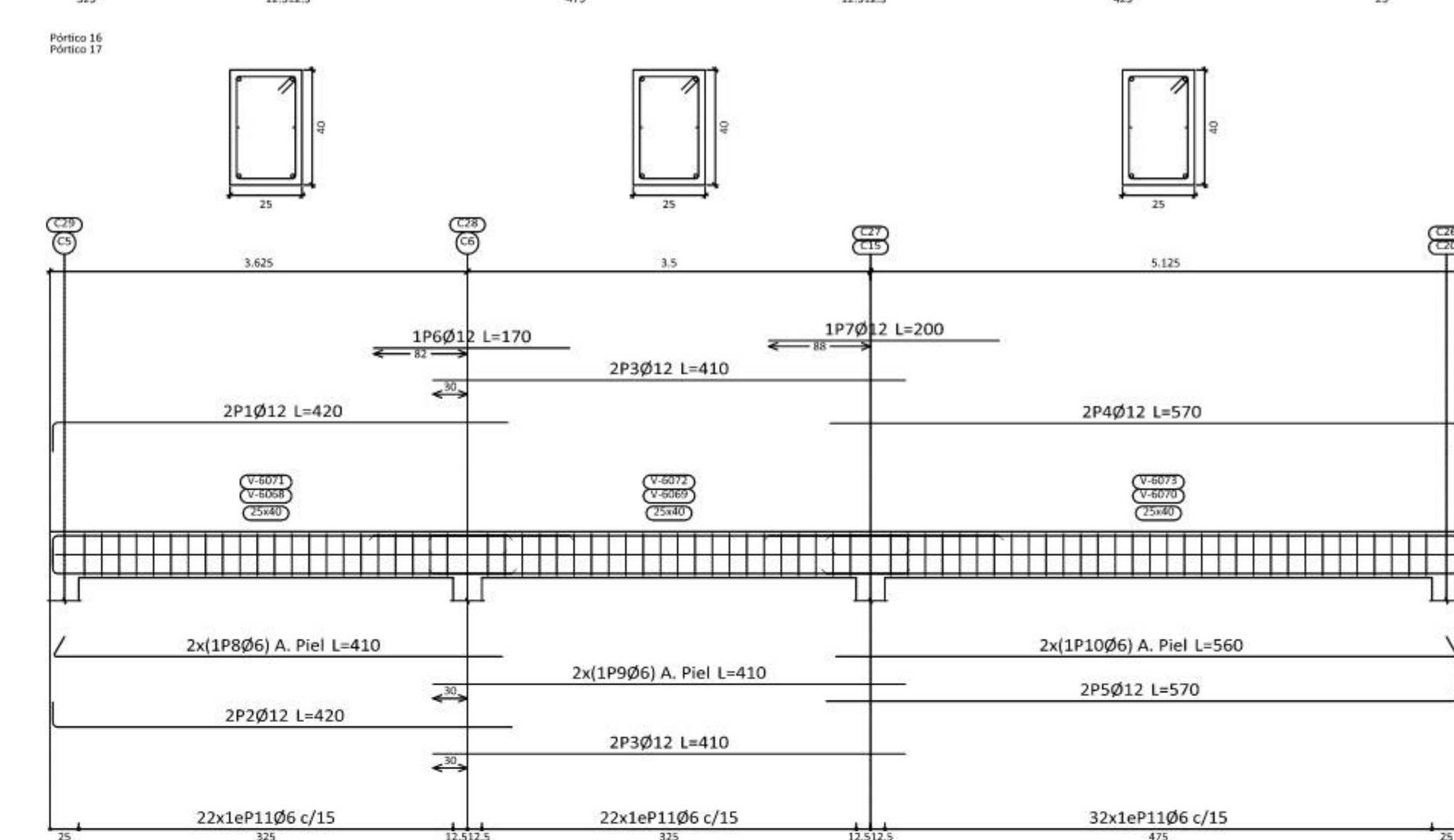
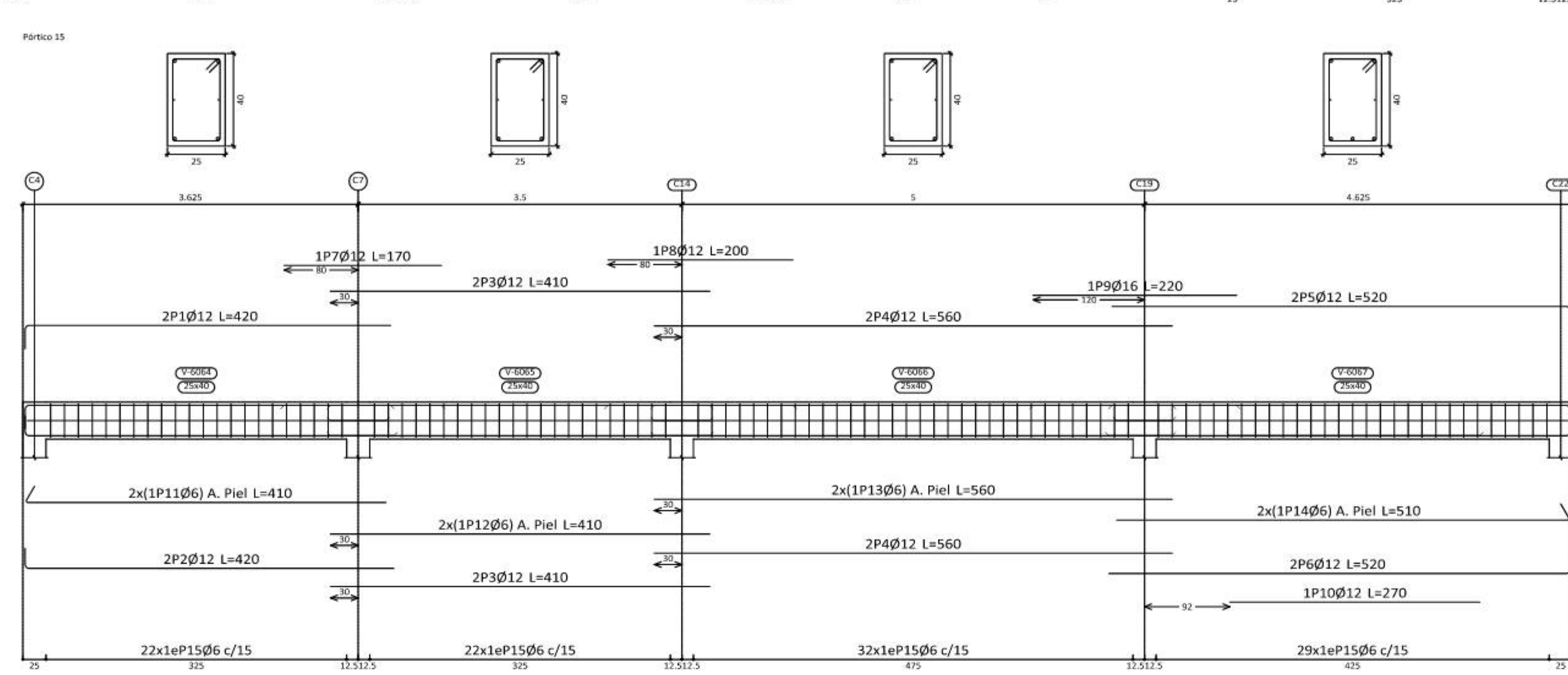
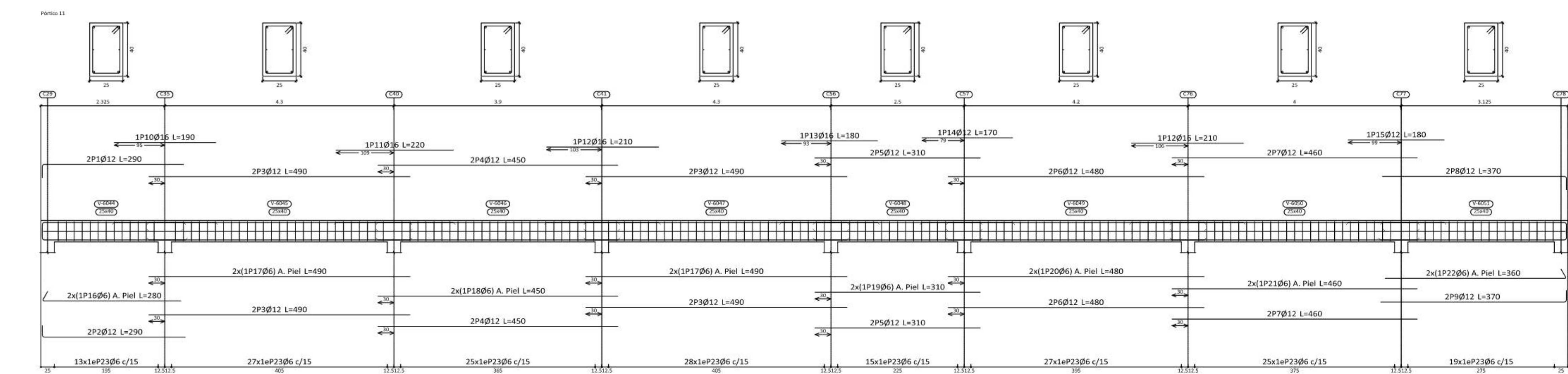
Resumen Acero Plano de pórticos		Long. total (m)	Peso+10% (kg)	Total
AH-500	Ø6	4328.2	1057	3243
	Ø12	2122.9	2073	
	Ø16	42.1	73	
	Ø20	14.7	40	

Elemento	Pos.	Pos.	Diám.	No.	Esquema (cm)	Long. Total (m)	Long. Total (m)
Pórtico 22	1	012	4			420	1680
	2	012	4			420	1680
	3	012	8			410	3280
	4	012	4			560	2240
	5	012	1			170	170
	6	012	2			200	400
	7	016	1			190	190
	8	06	4			410	1640
	9	06	4			410	1640
	10	06	2			560	2120
	11	06	2			420	840
	12	06	120			124	14880
						Total:	106,342
Pórtico 23	1	012	4			420	1680
	2	012	4			420	1680
	3	012	8			410	3280
	4	012	4			560	2240
	5	012	2			170	340
	6	012	2			200	400
	7	06	2			410	820
	8	06	4			410	1640
	9	06	2			560	2120
	10	06	2			420	840
	11	06	120			124	14880
							Total:
Pórtico 20	1	012	2			420	840
	2	012	2			420	840
	3	012	4			410	1640
	4	012	4			560	2240
	5	012	2			460	1840
	6	012	2			270	460
	7	012	2			230	460
	8	012	1			170	170
	9	012	1			200	200
	10	012	1			210	210
	11	016	1			200	200
	12	06	2			410	820
13	06	2			420	840	
14	06	2			460	920	
15	06	2			230	460	
16	06	111			124	13764	
						Total:	106,344

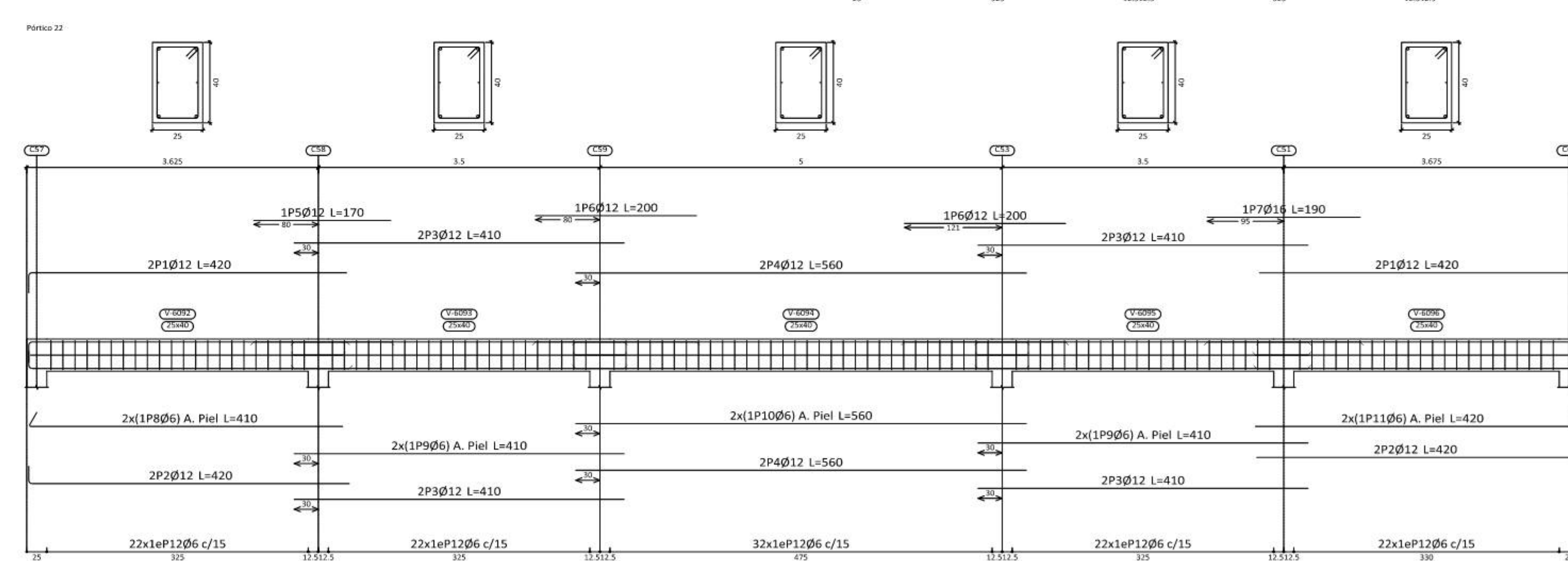
Elemento	Pos. (dm)	Enquina (cm)	Long (cm)	Total (cm)	AH (500)	SH (500)	
Pórtico 11	1	012	2	381	580	580	
	2	012	2	381	580	580	5,1
	3	012	8	480	480	480	3,2
	4	012	8	480	480	480	3,2
	5	012	4	381	310	1240	11,0
	6	012	4	480	480	1920	17,0
	7	012	4	480	480	1840	16,0
	8	012	7	381	740	1740	15,0
	9	012	2	381	170	740	6,6
	10	016	1	381	190	3,0	
	11	016	1	381	220	3,5	
	12	016	2	381	210	420	6,6
	13	016	3	381	180	180	2,0
	14	012	1	381	170	1,5	
	15	012	1	381	180	1,6	
	16	06	2	381	280	560	2,0
	17	06	4	480	480	1960	4,0
	18	06	2	480	450	900	2,0
Pórtico 12	19	06	2	381	310	620	1,4
	20	06	2	480	480	960	2,1
	21	06	2	480	460	920	2,0
	22	06	2	381	350	720	1,6
	23	06	179		124	12216	49,3
				Total=106 221,3			
	1	012	2	381	420	840	7,5
	2	012	2	381	480	840	7,5
	3	012	4	480	410	1660	14,0
	4	012	4	480	560	2240	19,0
	5	012	2	480	150	1040	9,2
	6	012	2	480	150	1040	9,2
	7	012	1	381	150	1040	9,2
	8	012	3	381	200	380	3,0
	9	016	1	381	220	220	3,5
	10	012	1	381	270	270	2,4
	11	06	2	381	410	820	1,8
	12	06	2	480	410	820	1,8
13	06	2	480	560	1120	2,5	
14	06	2	480	510	1020	2,3	
15	06	105		124	18020	28,9	
			Total=106 225,8				
Pórtico 13-Pórtico 14	1	012	2	381	420	840	7,5
	2	012	2	381	480	840	7,5
	3	012	4	480	410	1660	14,0
	4	012	4	480	560	2240	19,0



Pórtico 15							
1	Ø12	2	385	420	840	7.5	
2	Ø12	2	74	380	420	7.5	
3	Ø12	4	610	1010	1640	14.6	
4	Ø12	4	560	560	2240	19.9	
5	Ø12	2	385	560	1040	9.3	
6	Ø12	2	385	520	1040	9.2	
7	Ø12	1	170	170	170	1.5	
8	Ø12	1	200	200	200	1.8	
9	Ø16	1	220	220	220	3.5	
10	Ø12	1	220	220	220	2.4	
11	Ø6	2	410	410	820	1.8	
12	Ø6	2	410	820	820	1.8	
13	Ø6	2	560	560	1120	2.5	
14	Ø6	2	560	510	1020	2.3	
15	Ø6	105	$\frac{1}{2} \frac{1}{2}$	124	13020	28.9	
				Total=1016.25			
Pórtico 16-Pórtico 17							
1	Ø12	2	385	385	420	840	7.5
2	Ø12	2	74	380	420	840	7.5
3	Ø12	4	610	1010	1640	14.6	
4	Ø12	2	385	560	570	1140	10.1
5	Ø12	2	385	570	1140	10.1	
6	Ø12	1	170	170	170	1.5	
7	Ø12	1	200	200	200	1.8	
8	Ø6	2	410	410	820	1.8	
9	Ø6	2	410	820	820	1.8	
10	Ø6	2	560	560	1120	2.5	
11	Ø6	76	$\frac{1}{2} \frac{1}{2}$	124	9424	20.9	
				Total=1016.88.1			



Pórtico 18/Pórtico 21		(x2):276.2	
1	Ø12 2	Ø ₁₂ 2	420 840 7.5
2	Ø12 2	Ø ₁₂ 2	420 840 7.5
3	Ø12 4	Ø12 4	410 1640 14.6
4	Ø12 4	Ø12 4	560 2240 19.9
5	Ø12 2	Ø12 2	420 840 8.2
6	Ø12 2	Ø12 2	460 920 8.2
7	Ø12 1	Ø12 1	170 170 1.5
8	Ø12 1	Ø12 1	200 200 1.8
9	Ø12 1	Ø12 1	210 210 1.9
10	Ø6 2	Ø6 2	410 820 1.8
11	Ø6 2	Ø6 2	410 820 1.8
12	Ø6 2	Ø6 2	560 1120 2.5
13	Ø6 2	Ø6 2	460 920 2.0
14	Ø6 101	Ø6 101	124 12524 27.8
			Total=1096;377.7
			(x2):235.4
Pórtico 19		(x2):276.2	
1	Ø12 2	Ø ₁₂ 2	420 840 7.5
2	Ø12 2	Ø ₁₂ 2	420 840 7.5
3	Ø12 4	Ø12 4	410 1640 14.6
4	Ø12 4	Ø12 4	560 2240 19.9
5	Ø12 2	Ø12 2	460 1840 16.3
6	Ø12 2	Ø12 2	420 840 4.1
7	Ø12 2	Ø12 2	460 920 4.1
8	Ø12 1	Ø12 1	170 170 1.5
9	Ø12 1	Ø12 1	200 200 1.8
10	Ø12 1	Ø12 1	210 210 1.9
11	Ø16 1	Ø16 1	210 210 3.3
12	Ø6 2	Ø6 2	410 820 1.8
13	Ø6 2	Ø6 2	410 820 1.8
14	Ø6 2	Ø6 2	560 1120 2.5
15	Ø6 2	Ø6 2	460 920 2.0
16	Ø6 2	Ø6 2	230 460 1.0
17	Ø6 111	Ø6 111	124 13764 30.5

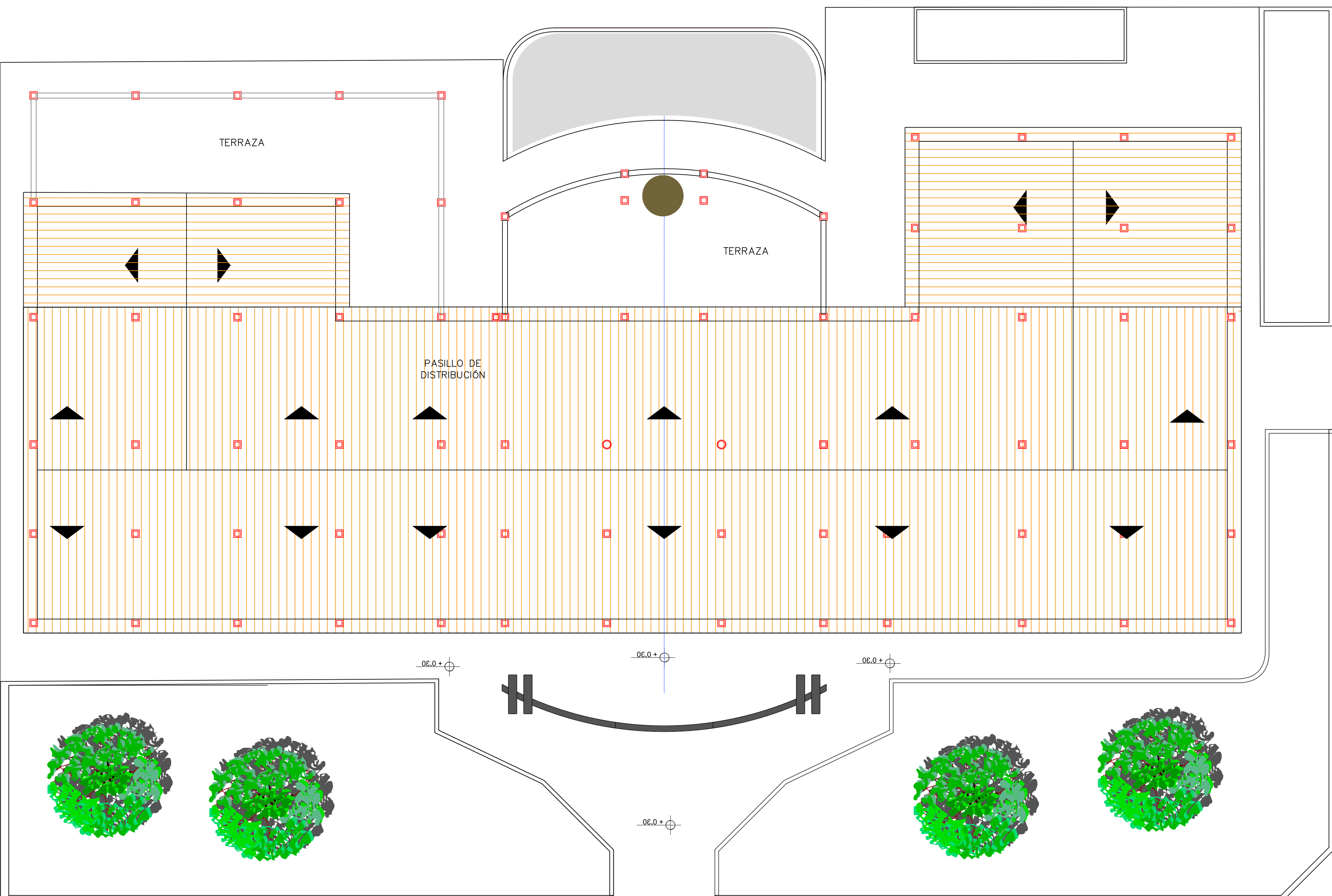
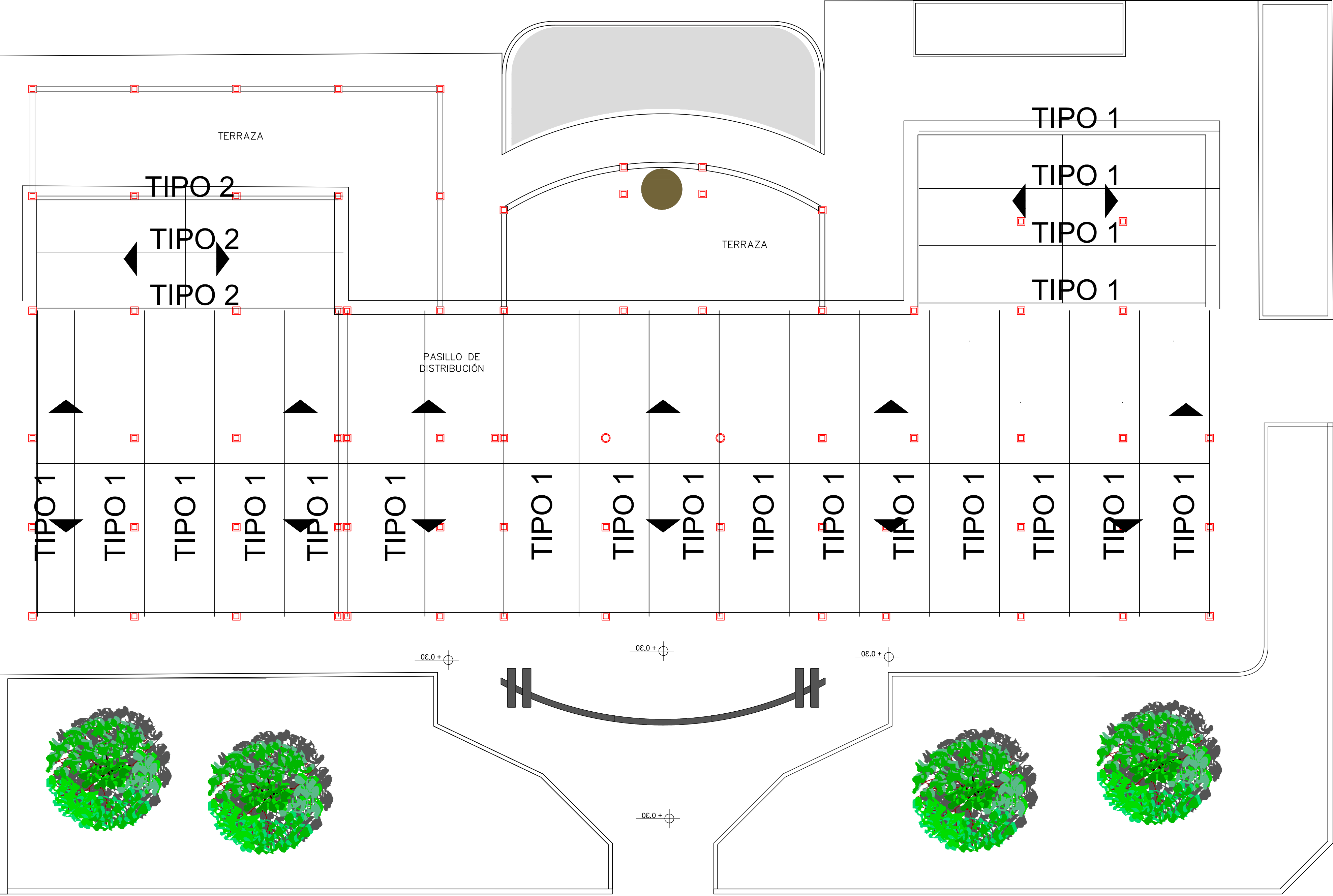


Pórtico 24		Total=10% 38.2	
1	Ø12 4	399	420 16.80 14.9
2	Ø12 4	399	420 16.80 14.9
3	Ø12 4	399	420 16.80 14.9
4	Ø12 4	399	420 16.80 14.9
5	Ø12 2	195	210 8.40 3.0
6	Ø12 2	195	210 8.40 3.0
7	Ø6 2	410	820 1.8
8	Ø6 4	410	1640 3.6
9	Ø6 2	410	820 1.8
10	Ø6 2	899	420 840 1.9
11	Ø6 120	142880	33.0
		Total=10% 341.0	

ESC 1:100

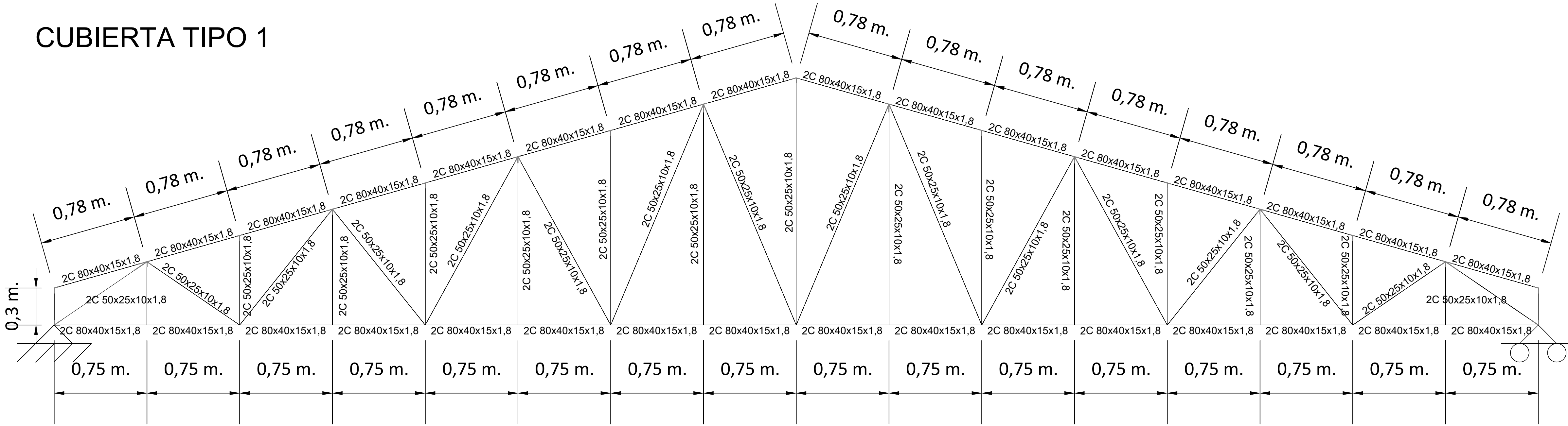
VISTA EN PLANTA CUBIERTA

ESC 1:100



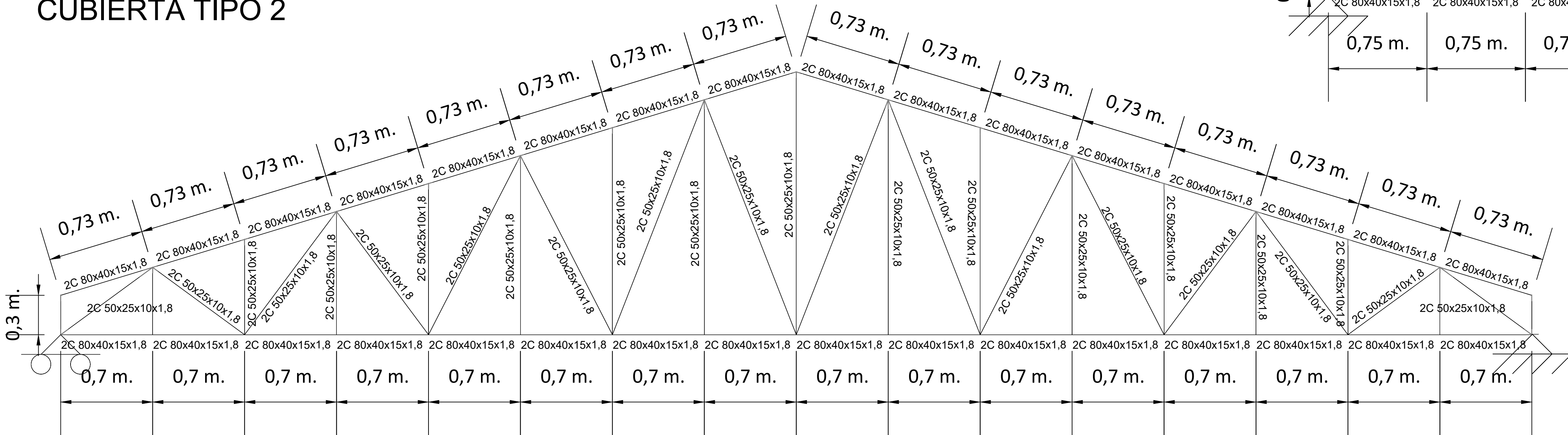
Centro de salud Santa Ana la Nueva
Cerchas de la cubierta
Norma de acero conformado: AISI S100-2007 (LRFD)
Acero conformado: ASTM A 36 36 ksi
Escala: 1: 20

CUBIERTA TIPO 1



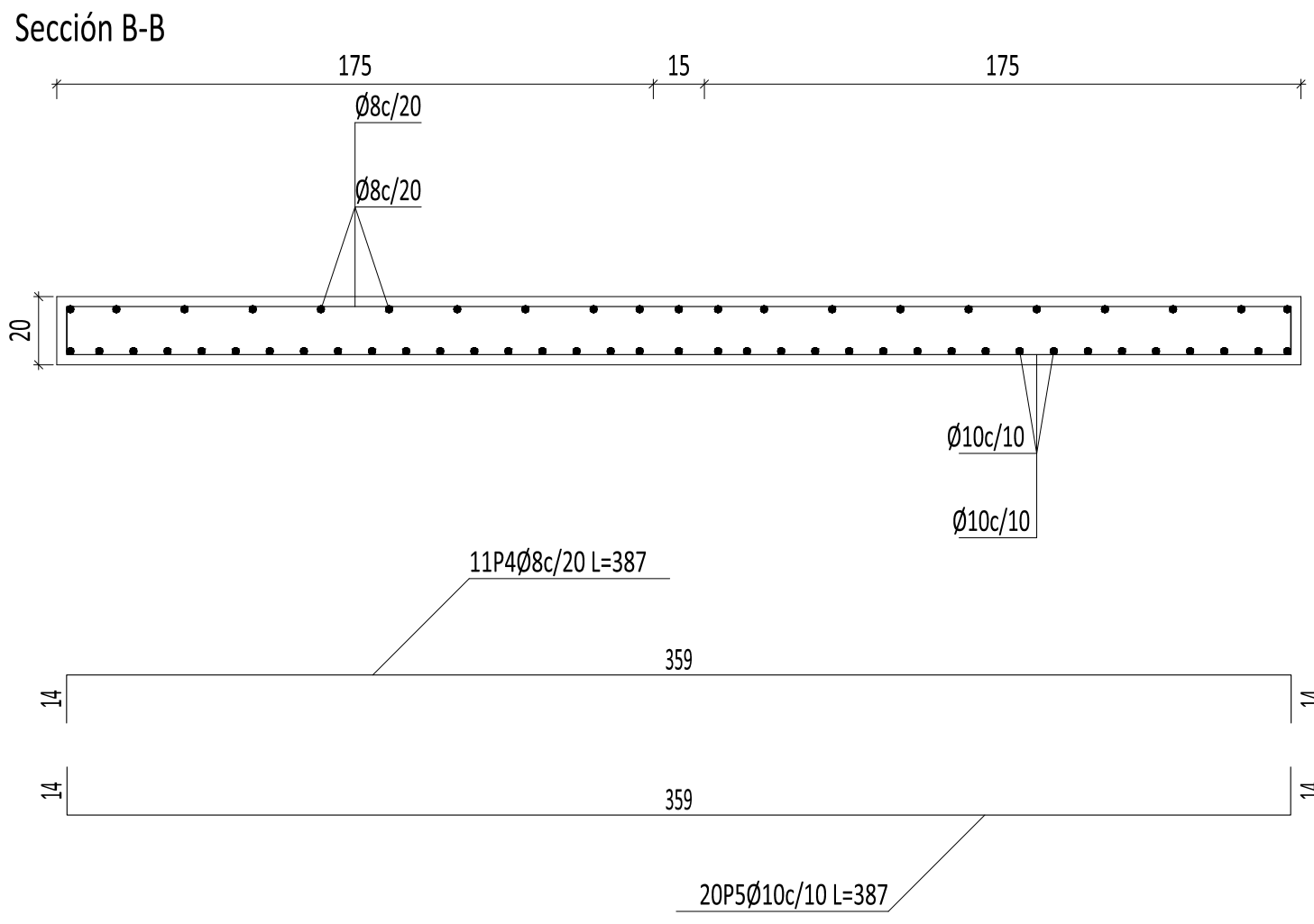
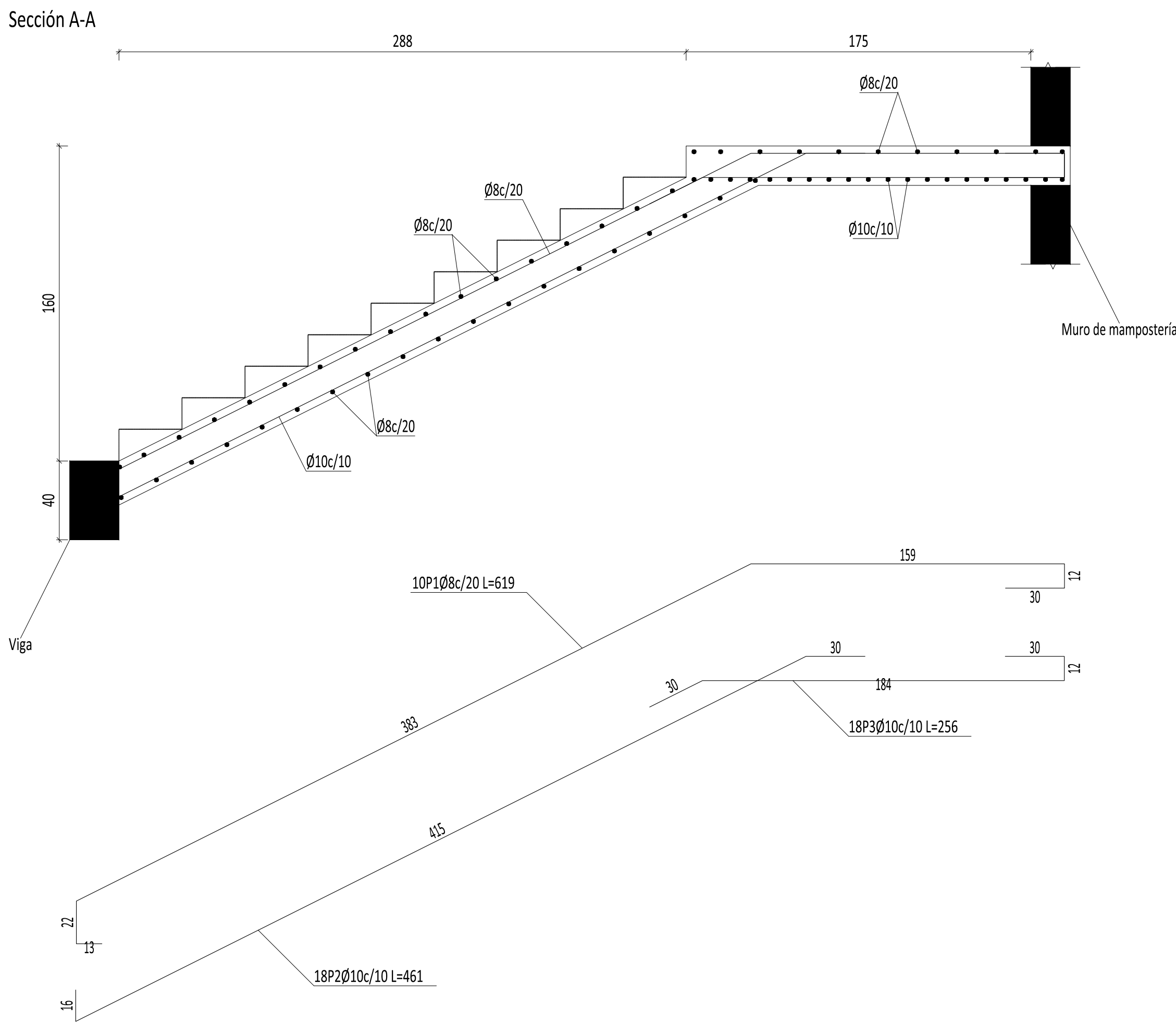
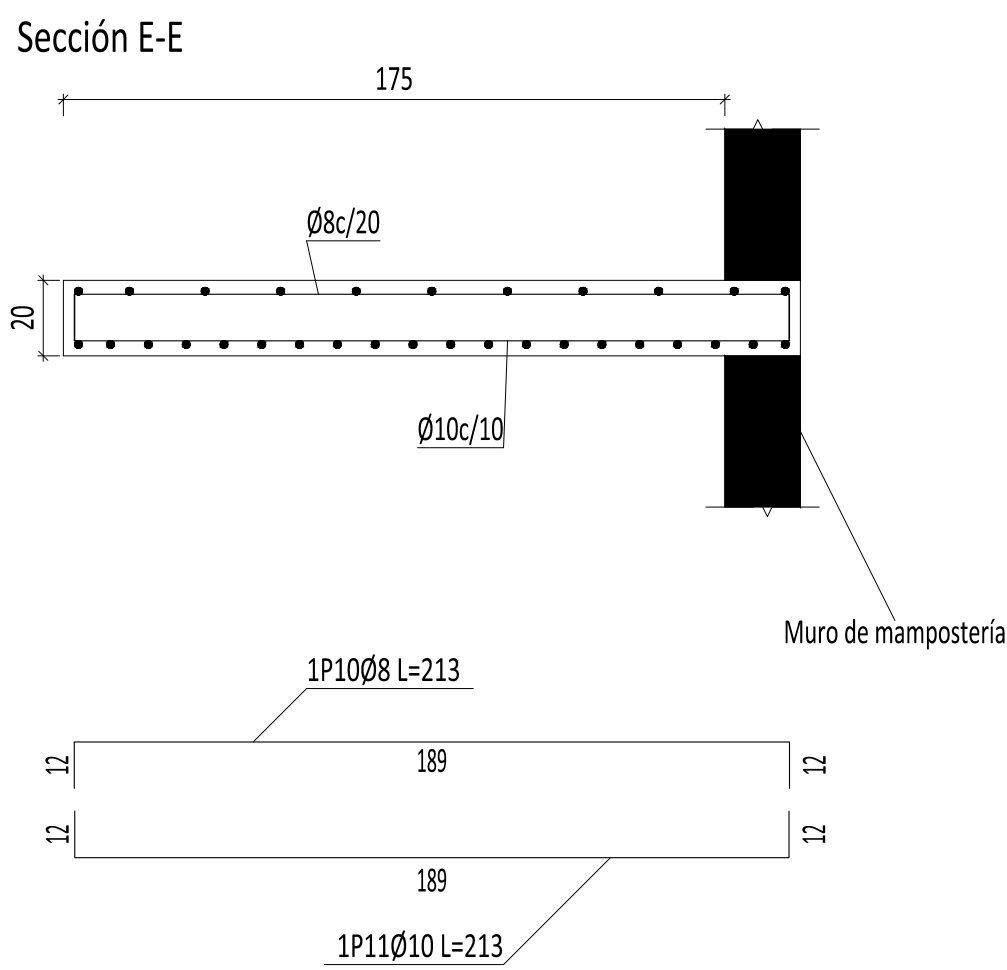
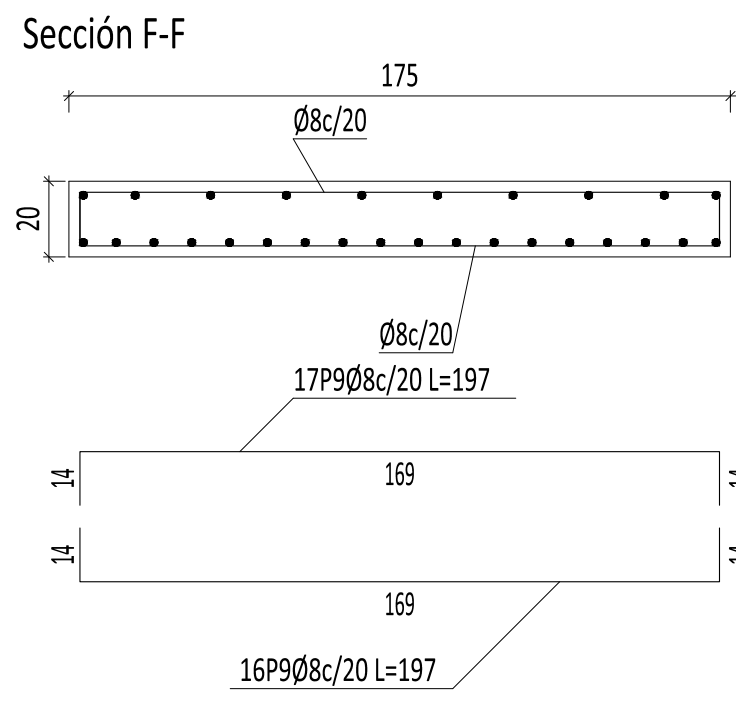
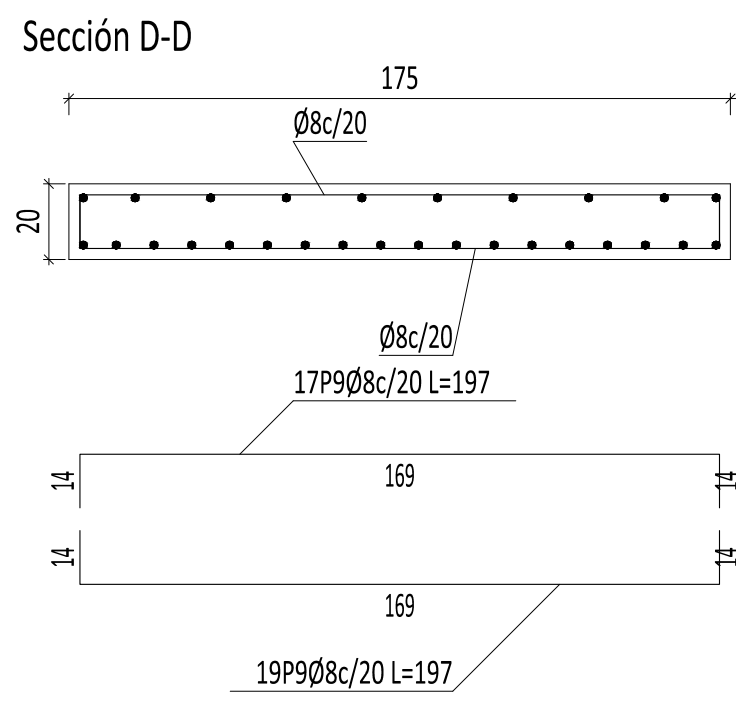
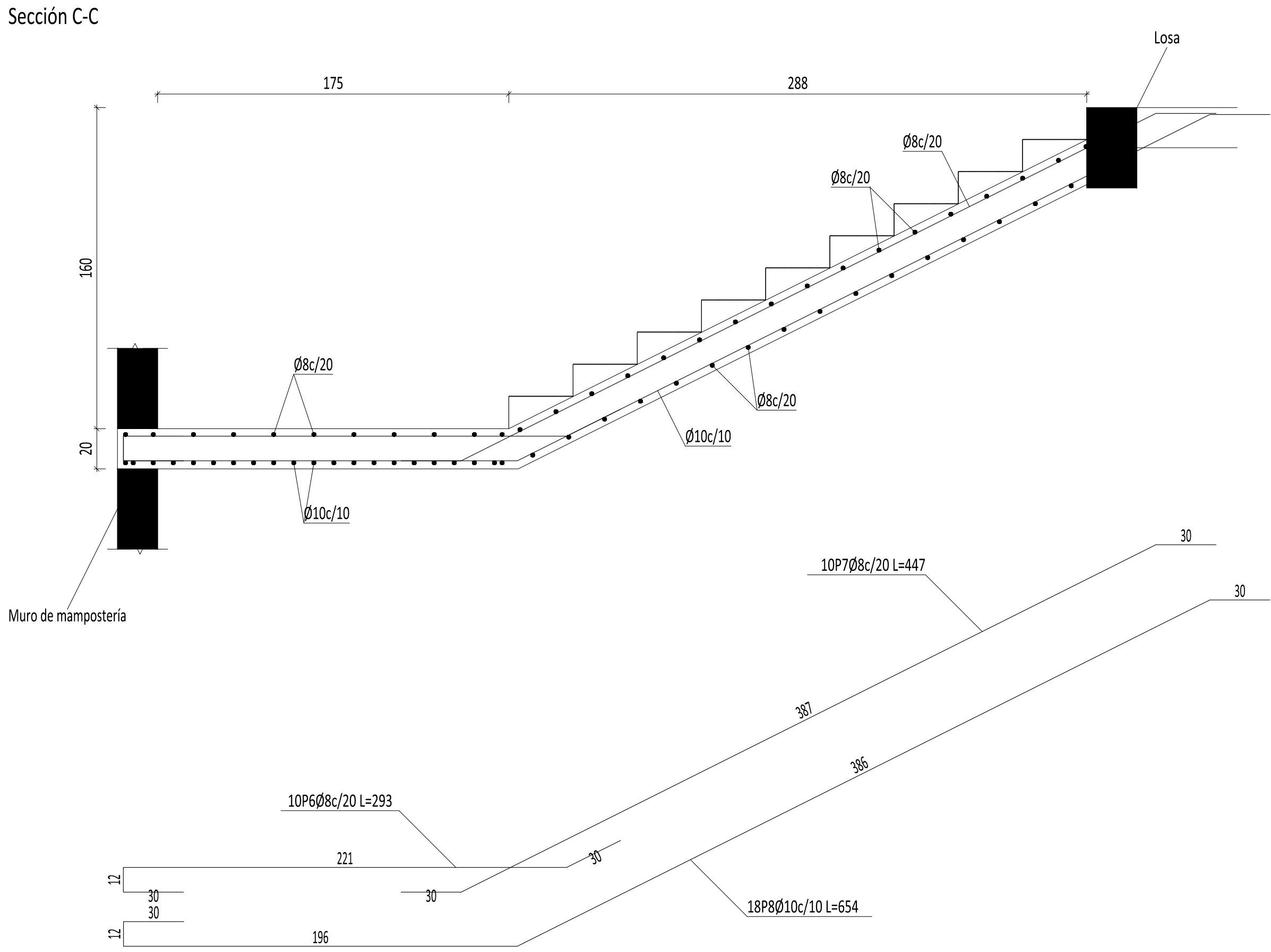
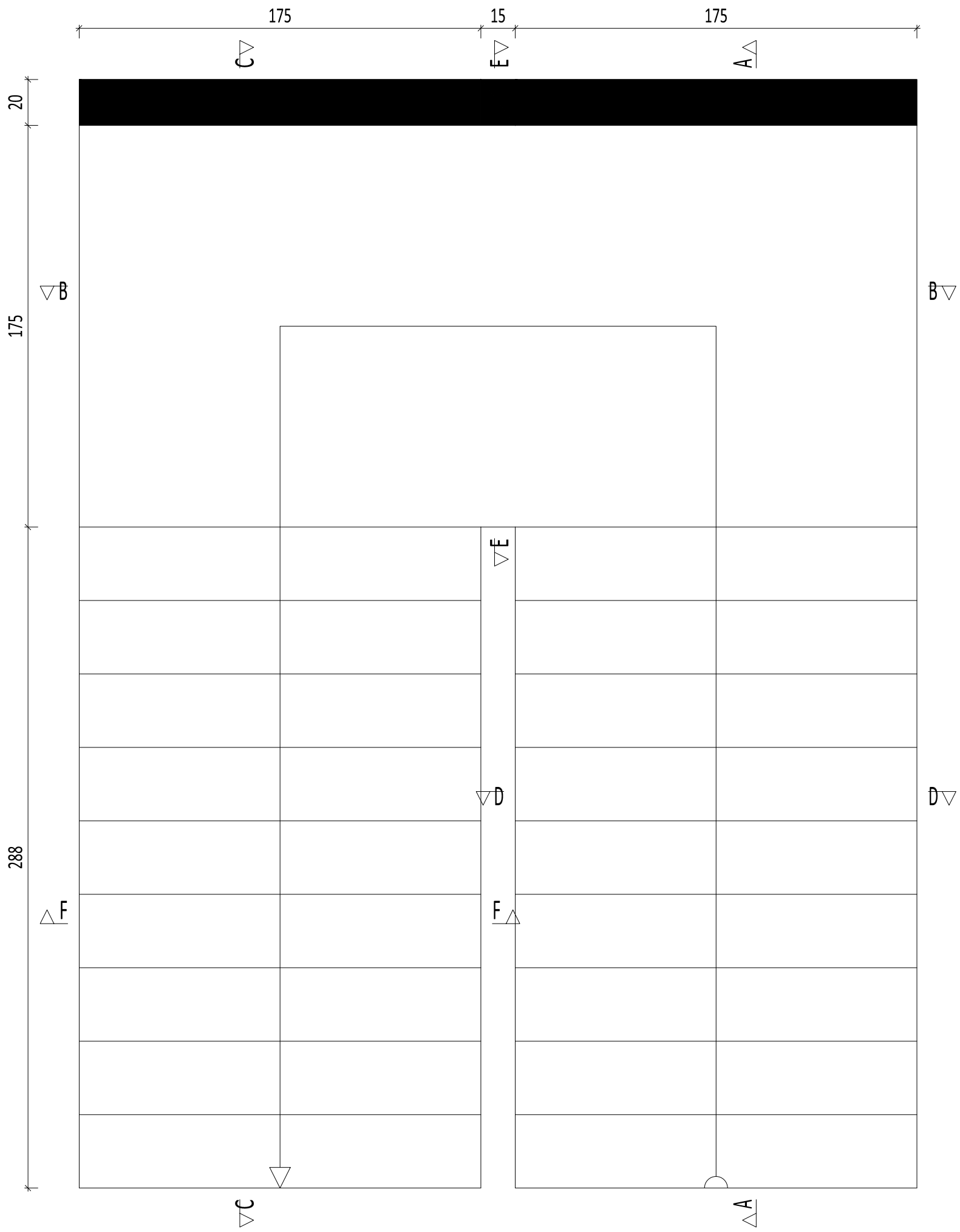
Esquema cercha TIPO 1
Cubiertas 1,2,3
Norma de acero conformado: AISI S100-2007 (LRFD)
Acero conformado: ASTM A 36 36 ksi
Escala: 1:20

CUBIERTA TIPO 2



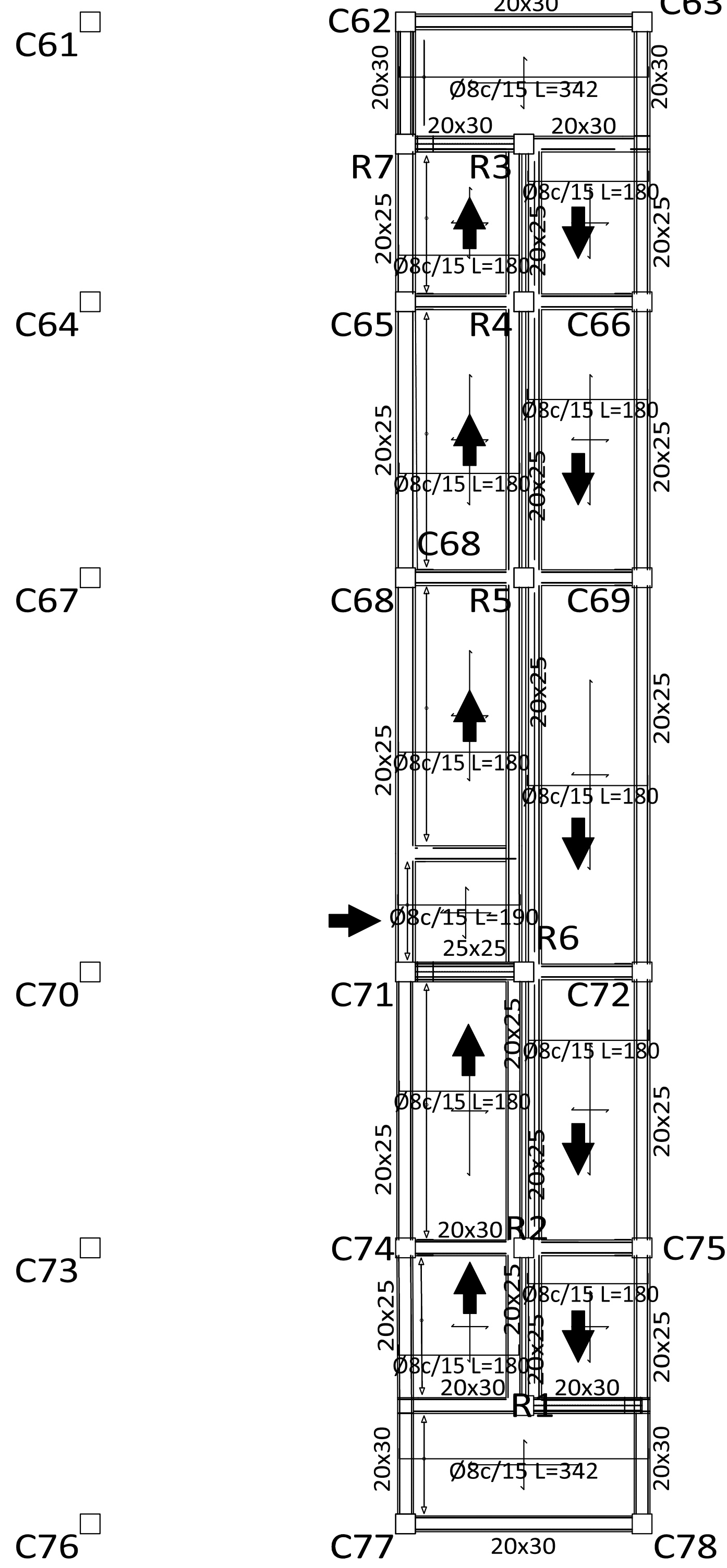
Esquema cercha TIPO 2
Cubierta 4
Norma de acero conformado: AISI S100-2007 (LRFD)
Acero conformado: ASTM A 36 36 ksi
Escala: 1:20

Escalera S.A	
Geometría	Ancho 1.750 m
	Espesor 0.20 m
	Huella 0.320 m
	Contrahuella 0.160 m
	Desnivel que salva 3.20 m
Cargas	Nº de escalones 20
	Planta final Segunda Planta +3.70
	Planta inicial Planta baja + 0.50
	Peso propio 4.91 kN/m2
	Peldañeado (Realizado con ladrillo) 1.12 kN/m2
Materiales	Solado 1.25 kN/m2
	Barandillas 0.48 kN/m
	Sobrecarga de uso 4.00 kN/m2
	Hormigón H-25
Acero AH-500	
Rec. geométrico 2.5 cm	

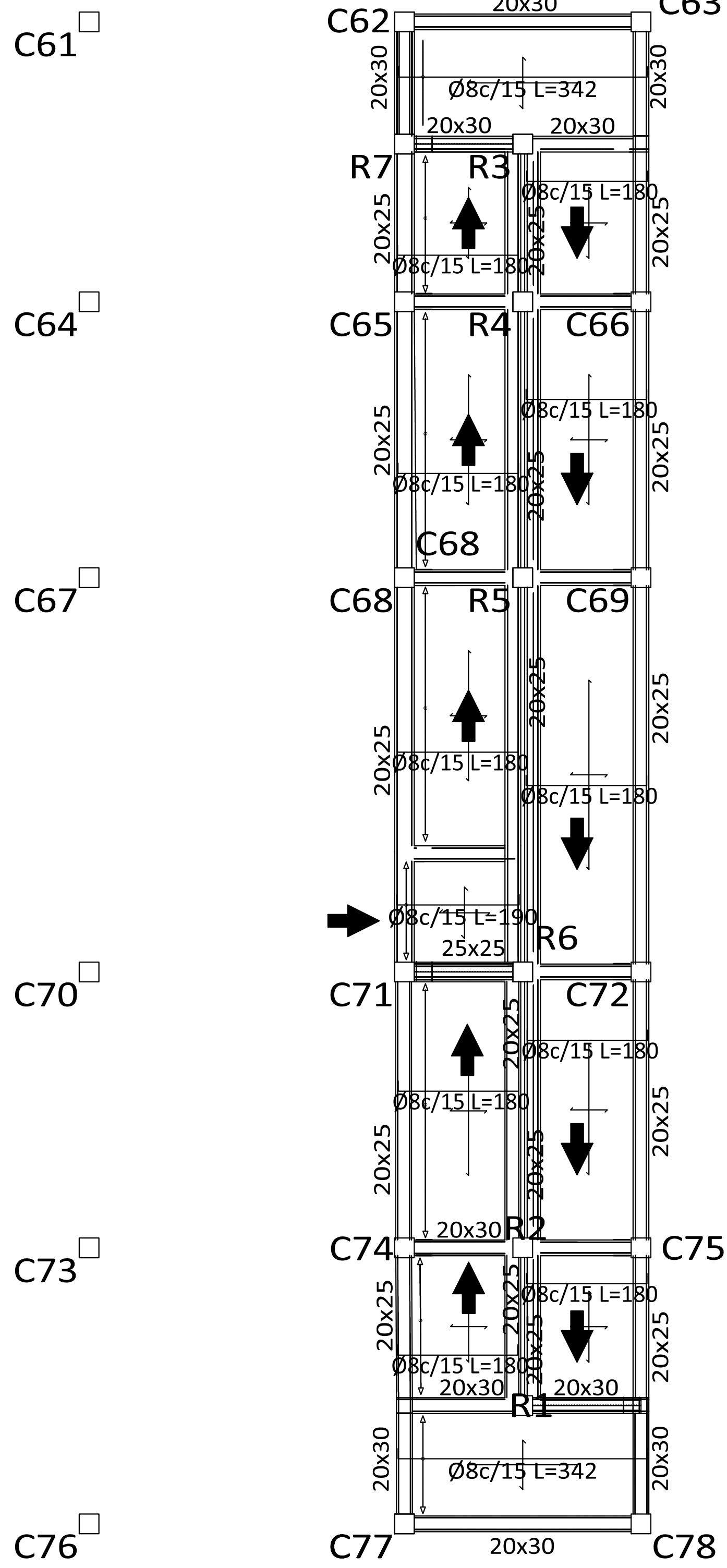


Resumen Acero	Long. total	Peso+10%	Total
Escalera 1	(m)	(kg)	
AH-500 Ø8	316.5	137	
Ø10	326.3	221	358

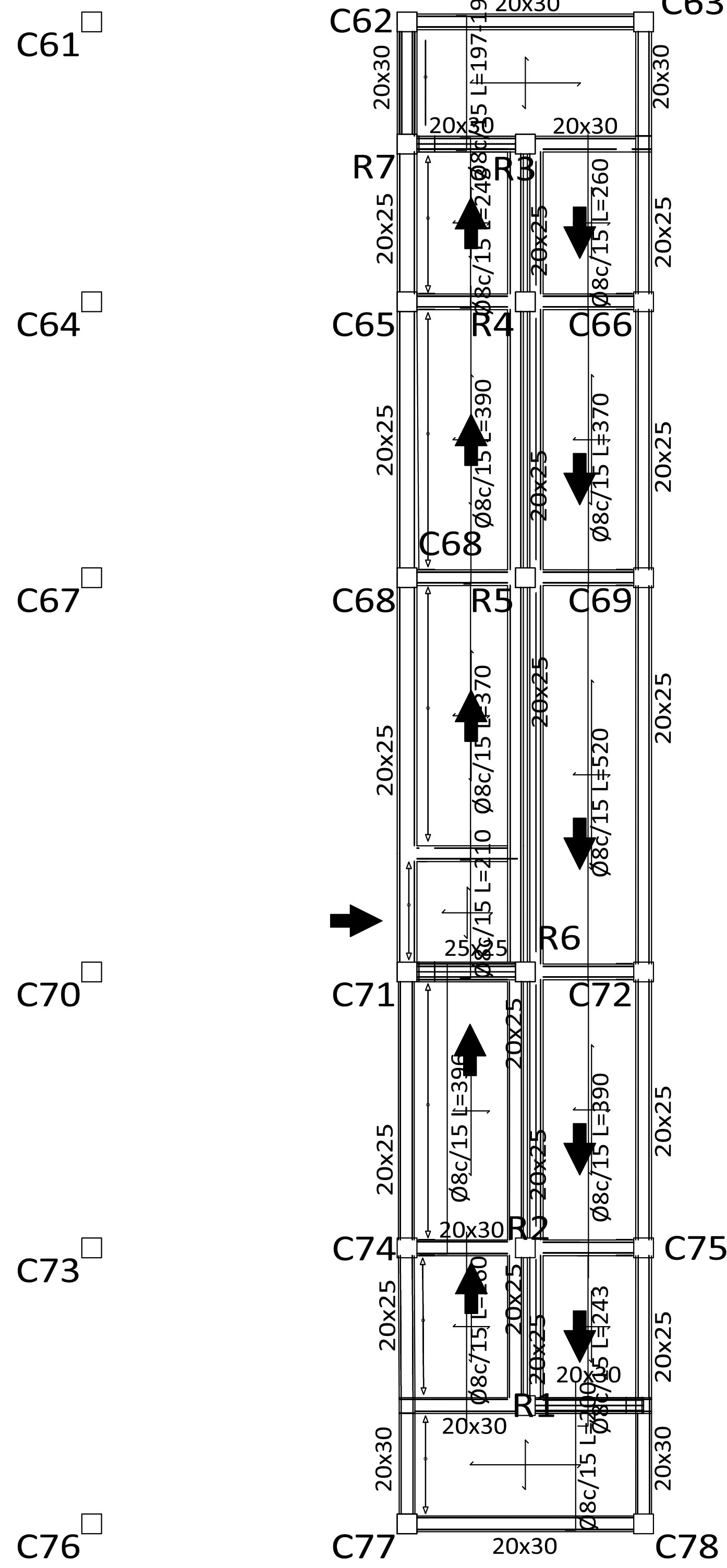
Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500 (kg)
Escalera 1-Escalera S.A	1	Ø8	10	619	6190	24.4
	2	Ø10	18	461	8298	51.2
	3	Ø10	18	256	4608	28.4
	4	Ø8	11	387	4257	16.8
	5	Ø10	20	387	7740	47.7
	6	Ø8	10	293	2930	11.6
	7	Ø8	10	447	4470	17.6
	8	Ø10	18	654	11772	72.6
	9	Ø8	69	197	13593	53.6
	10	Ø8	1	213	213	0.8
	11	Ø10	1	213	213	1.3
Total+10%:358.6						
Ø8: 137.3						
Ø10: 221.3						
Total:358.6						



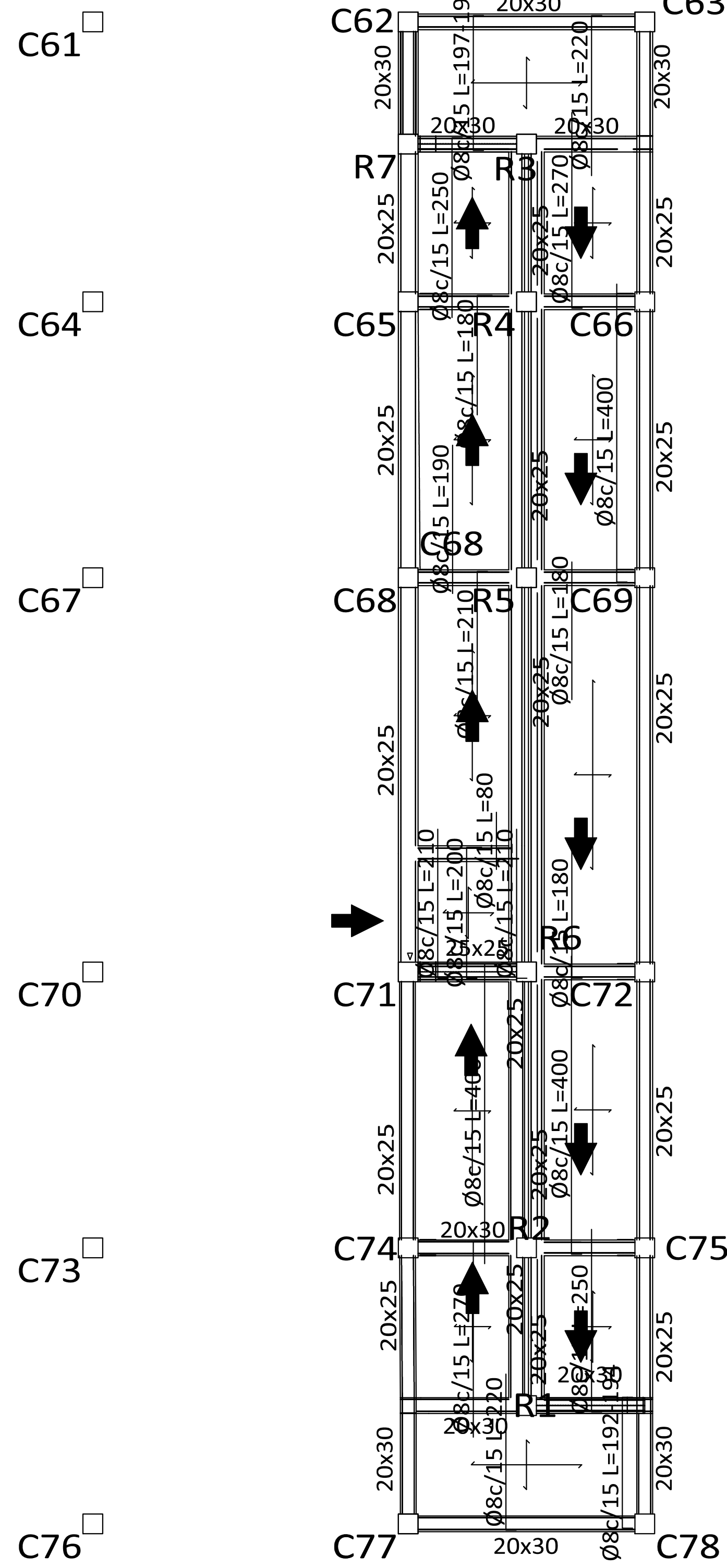
Armadura transversal inferior
de la rampa
Hormigón: H-25
Acero en barras: AH-500
Escala 1:50



Armadura transversal superior
de la rampa
Hormigón: H-25
Acero en barras: AH-500
Escala 1:50

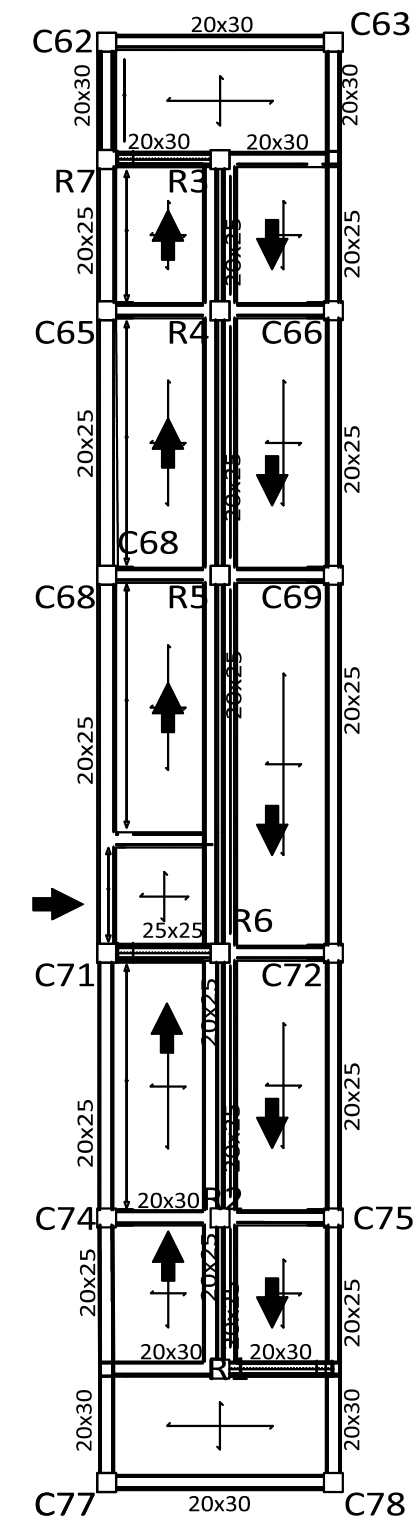


Armadura Longitudinal inferior
de la rampa
Hormigón: H-25
Acero en barras: AH-500
Escala 1:50



Armadura Longitudinal superior
de la rampa
Hormigón: H-25
Acero en barras: AH-500
Escala 1:50

UBICACION DE LA RAMPA



Escala 1:100