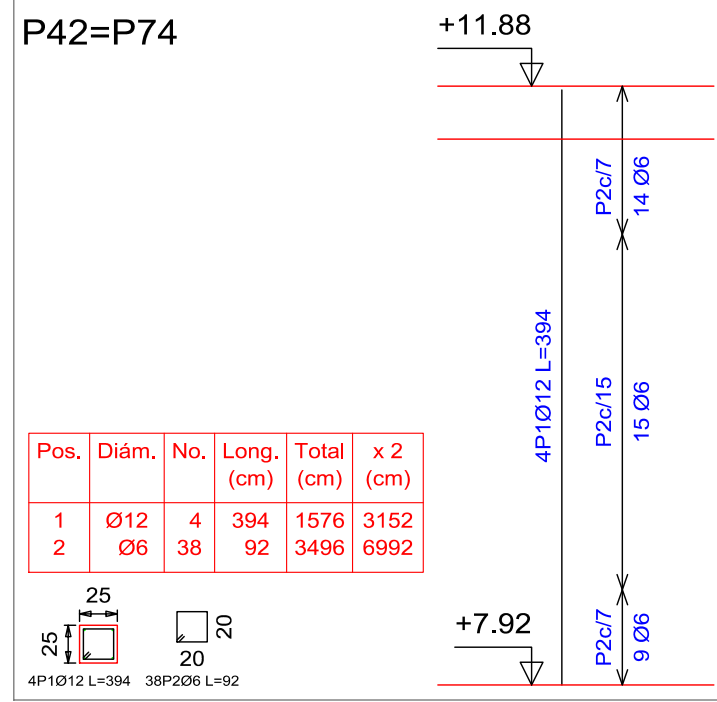
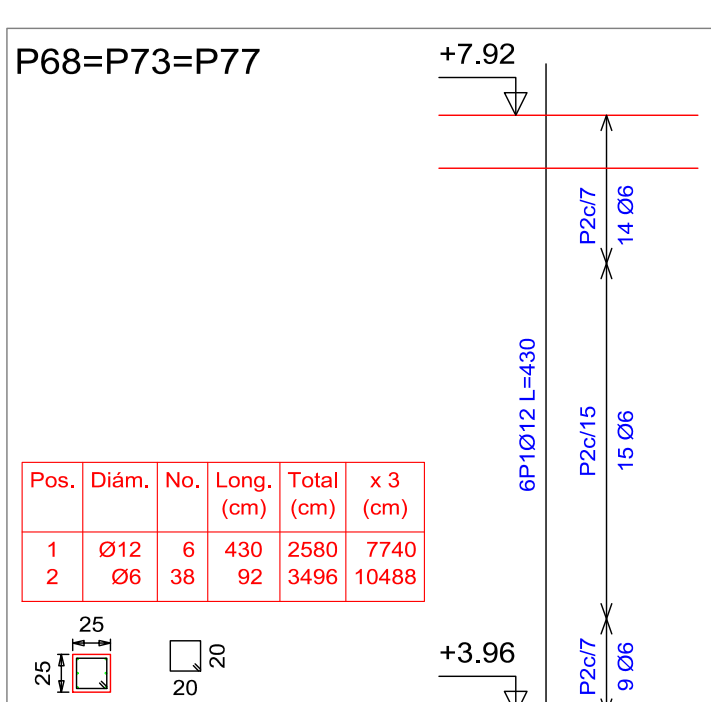
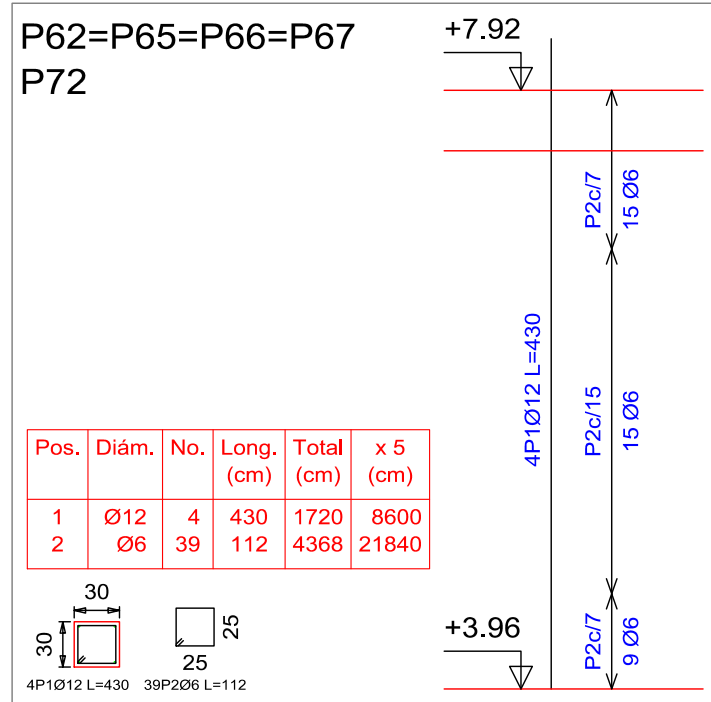
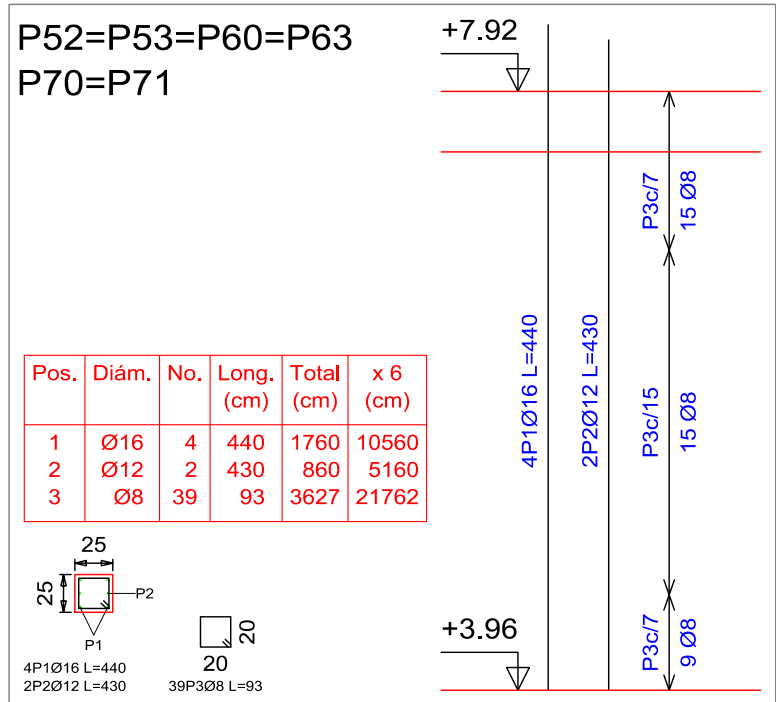
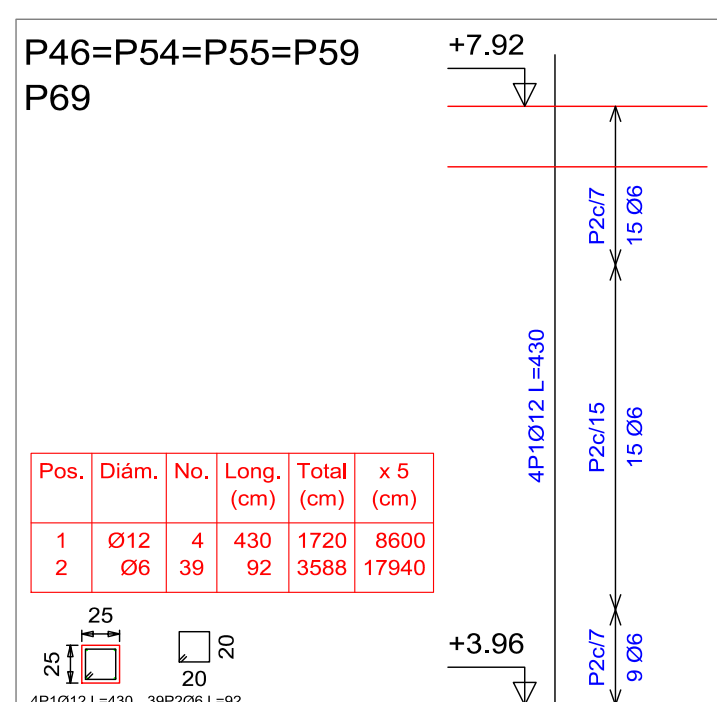
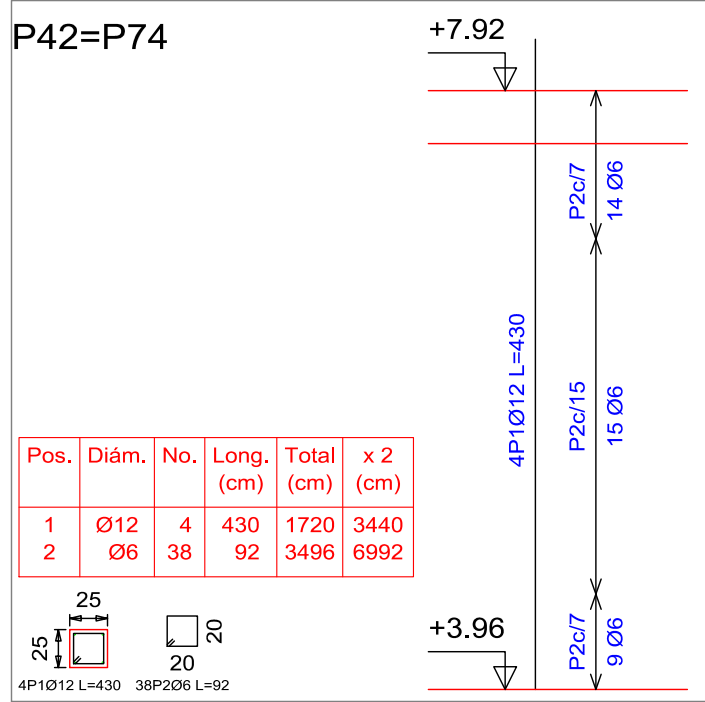
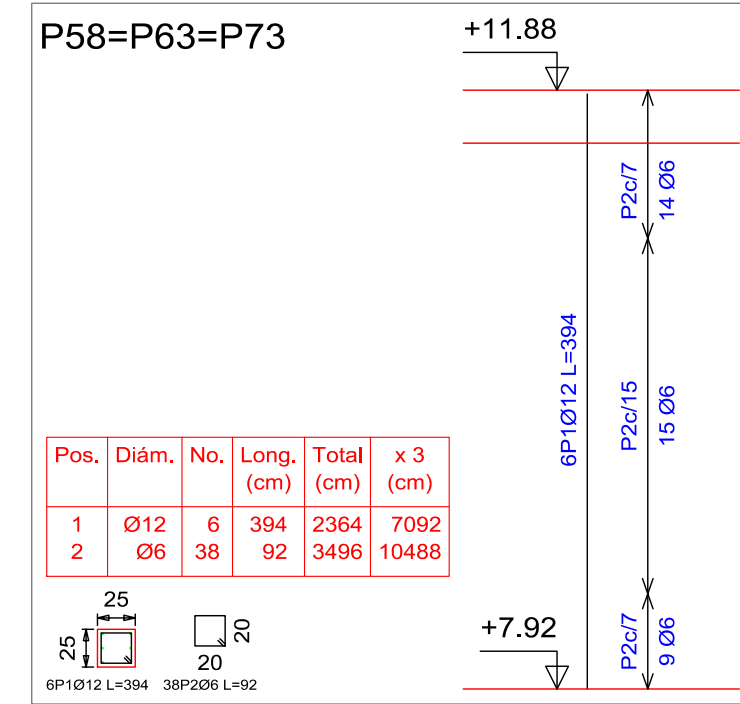
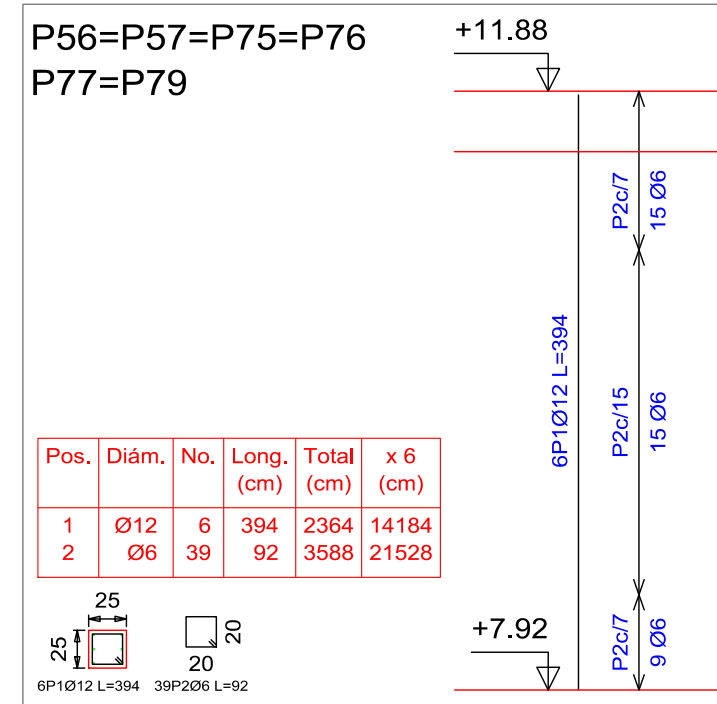
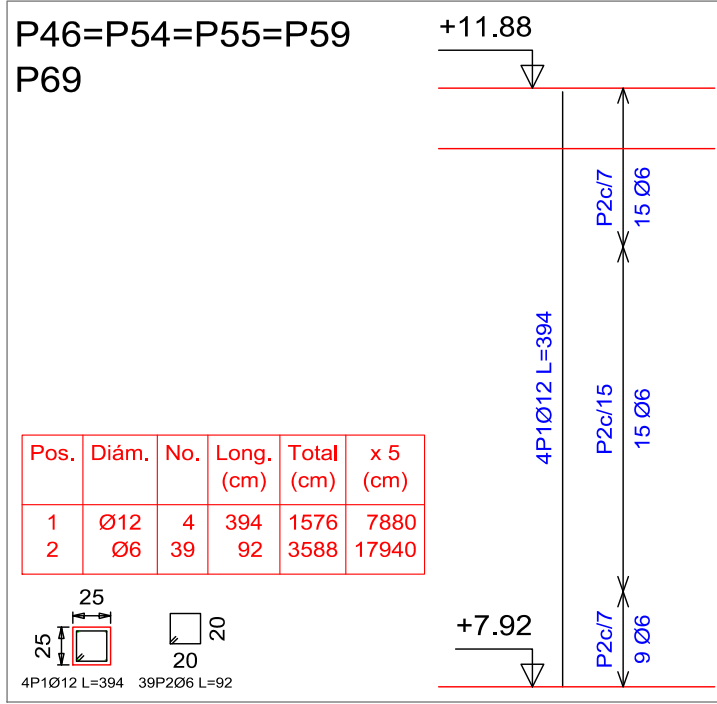
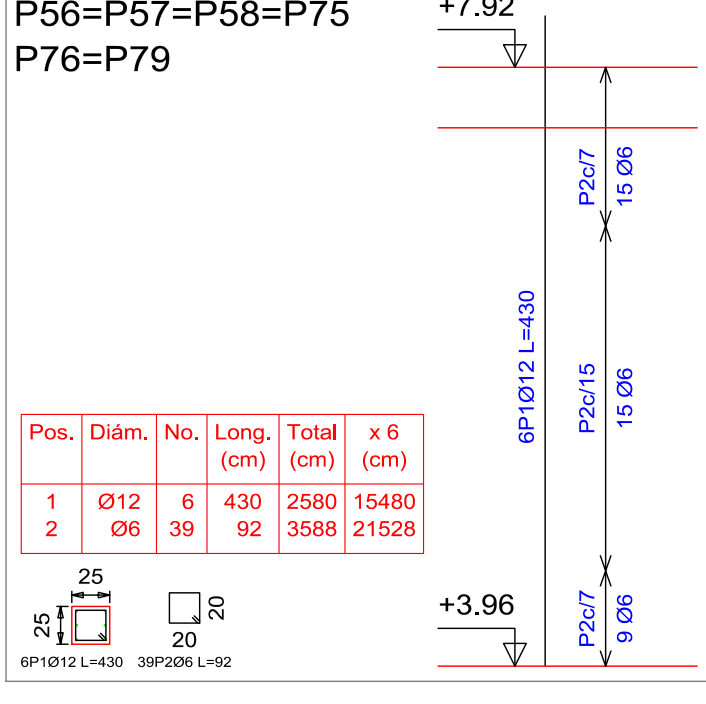
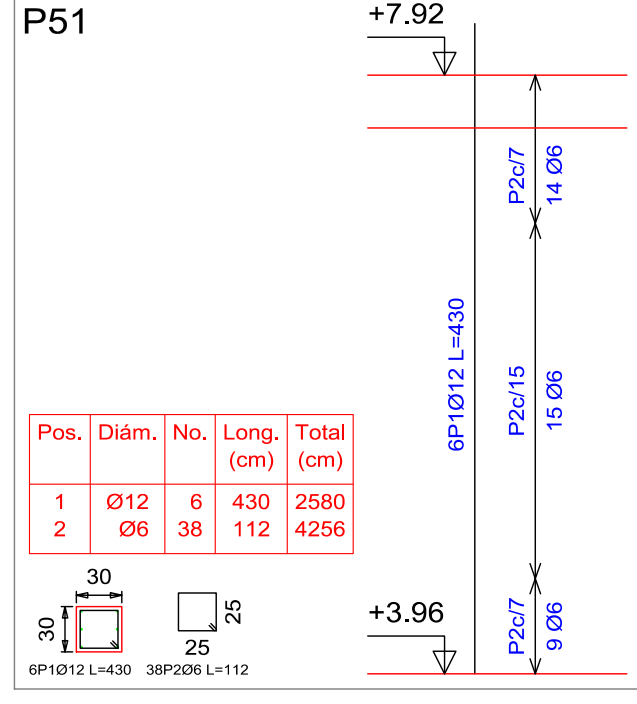
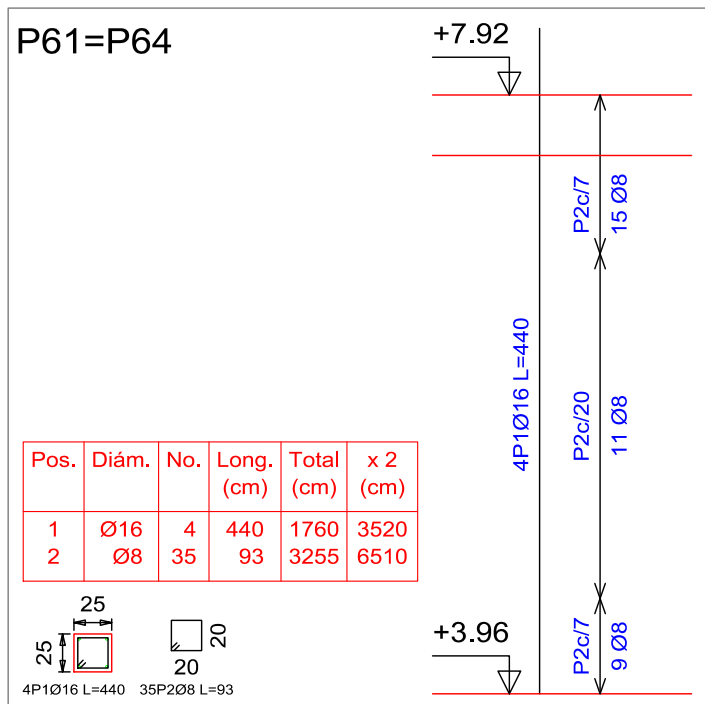
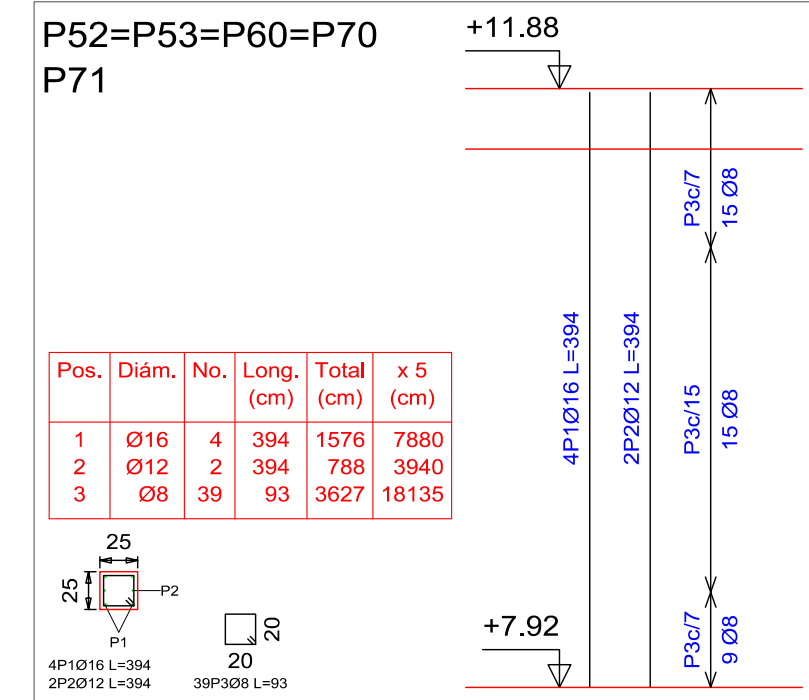


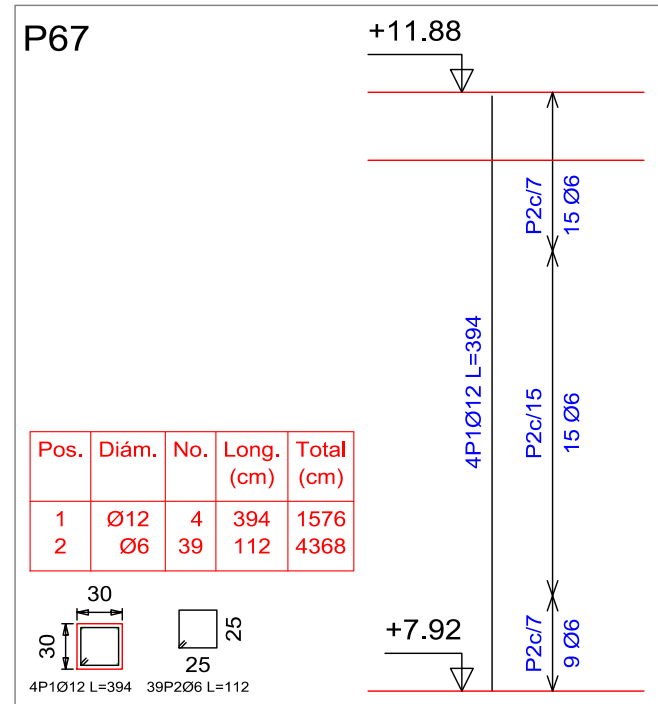
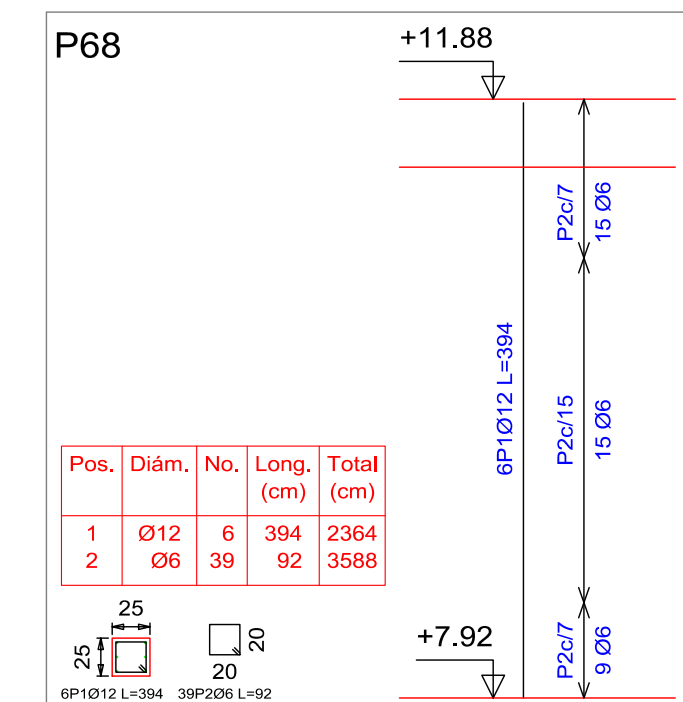
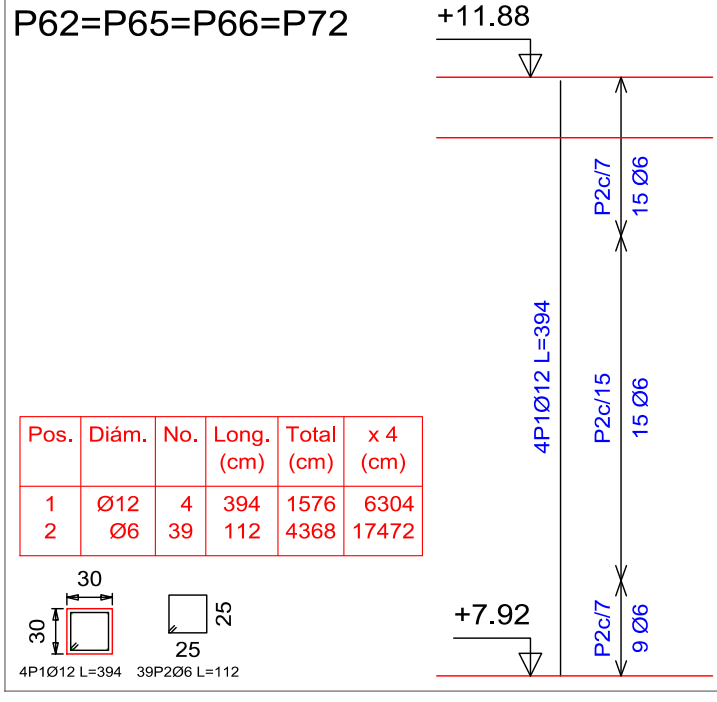
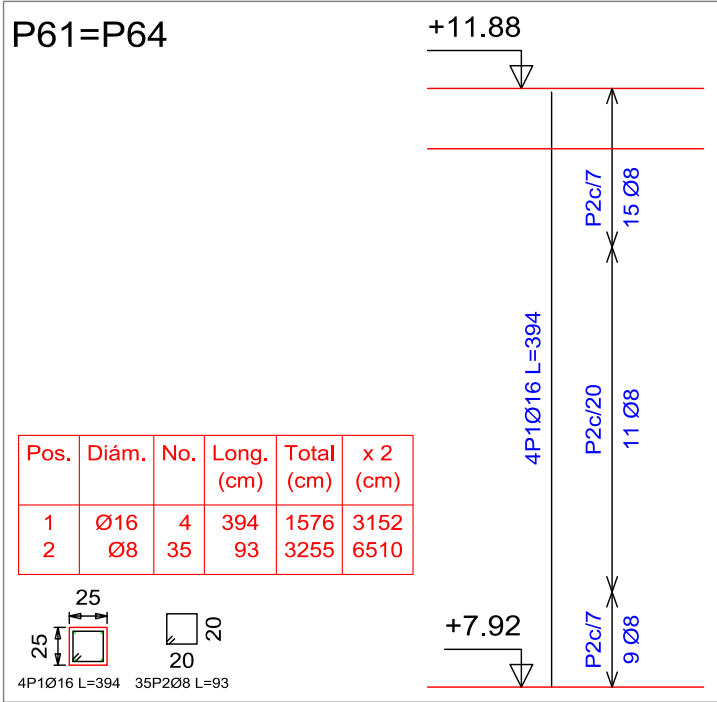
Columnas que terminan en
Losa 3
Hormigón: H-25 , Control Normal
Acero: AH-500 , Control Normal
Escala: 1:50



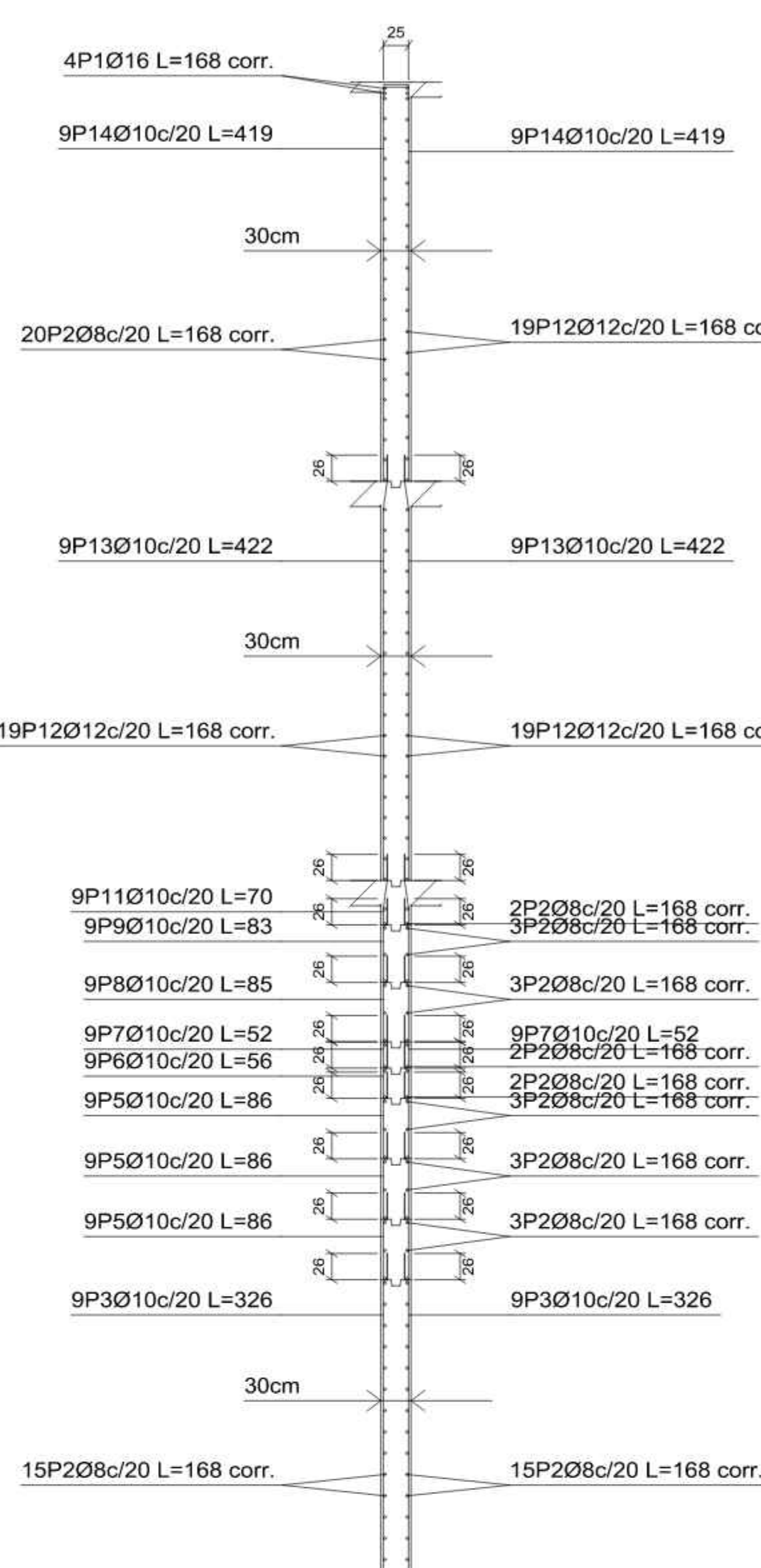
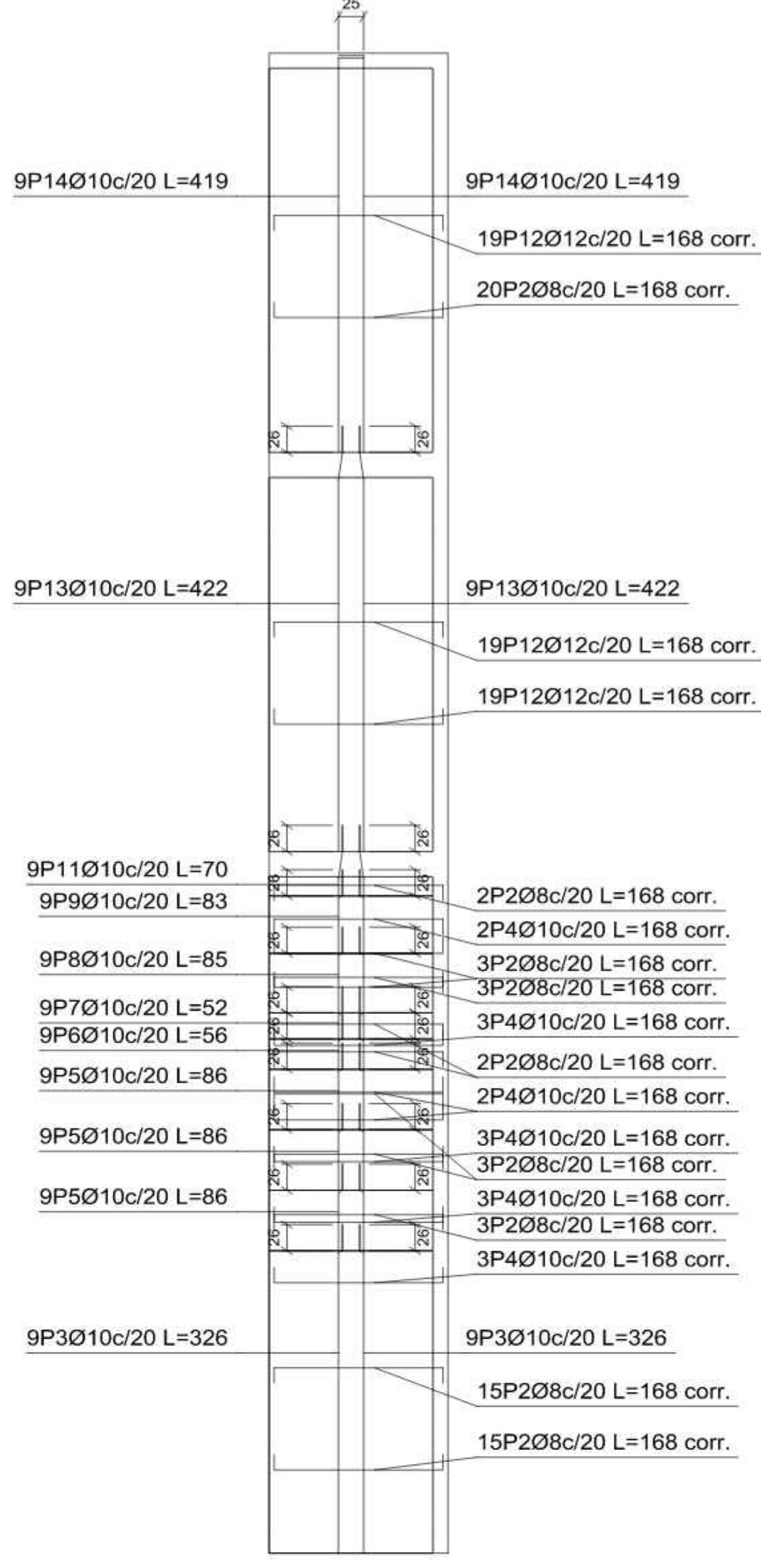
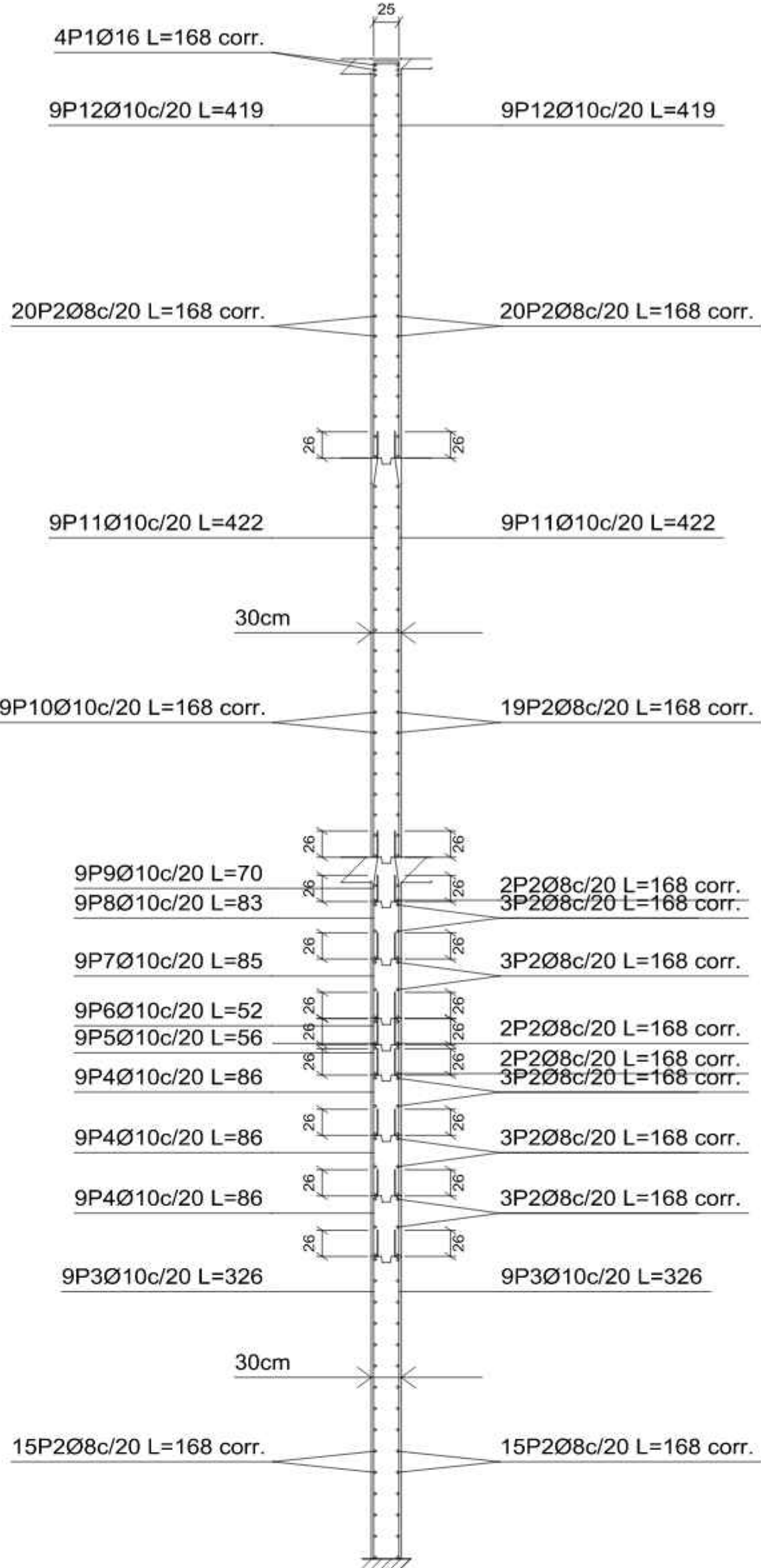
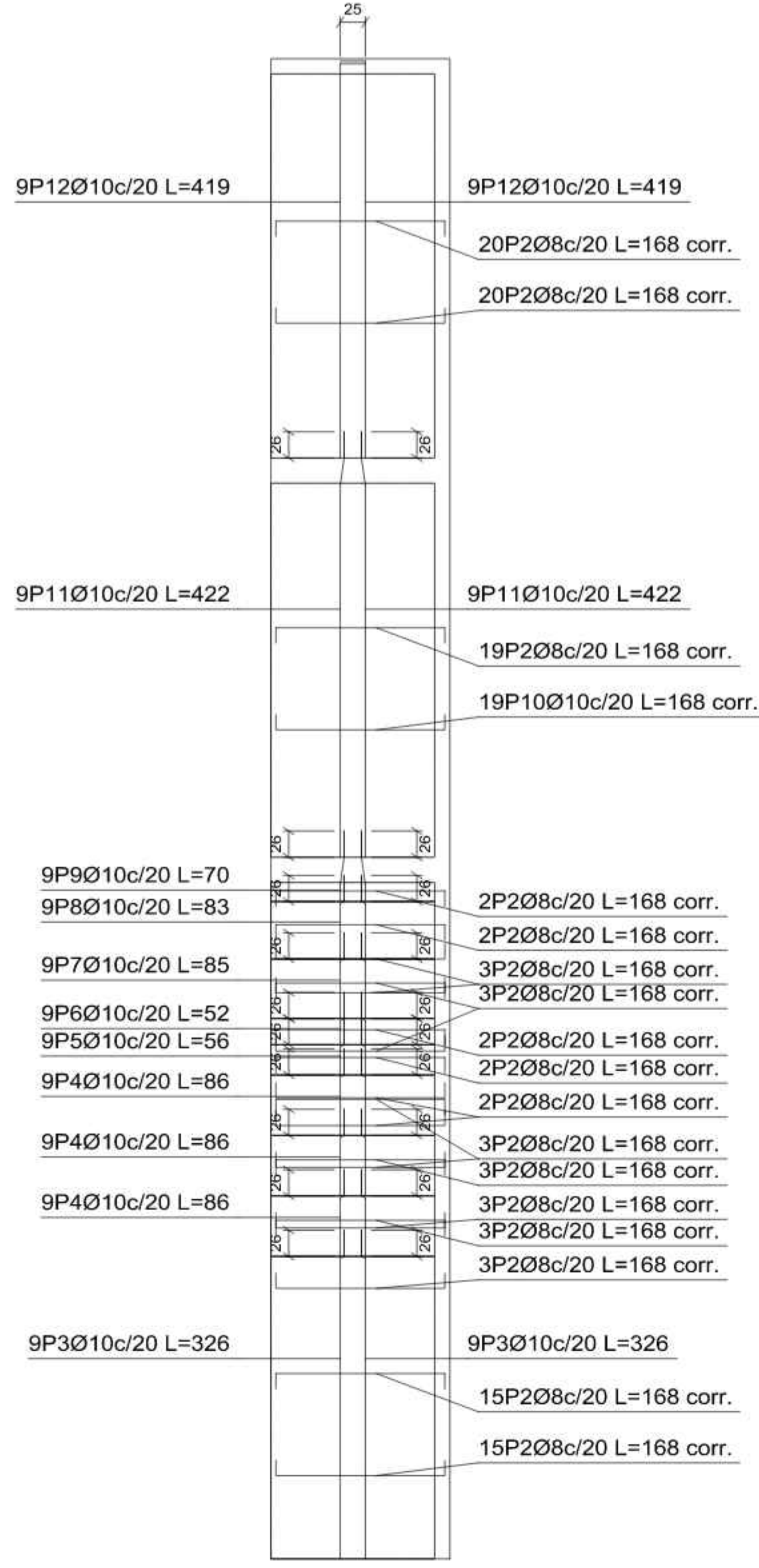
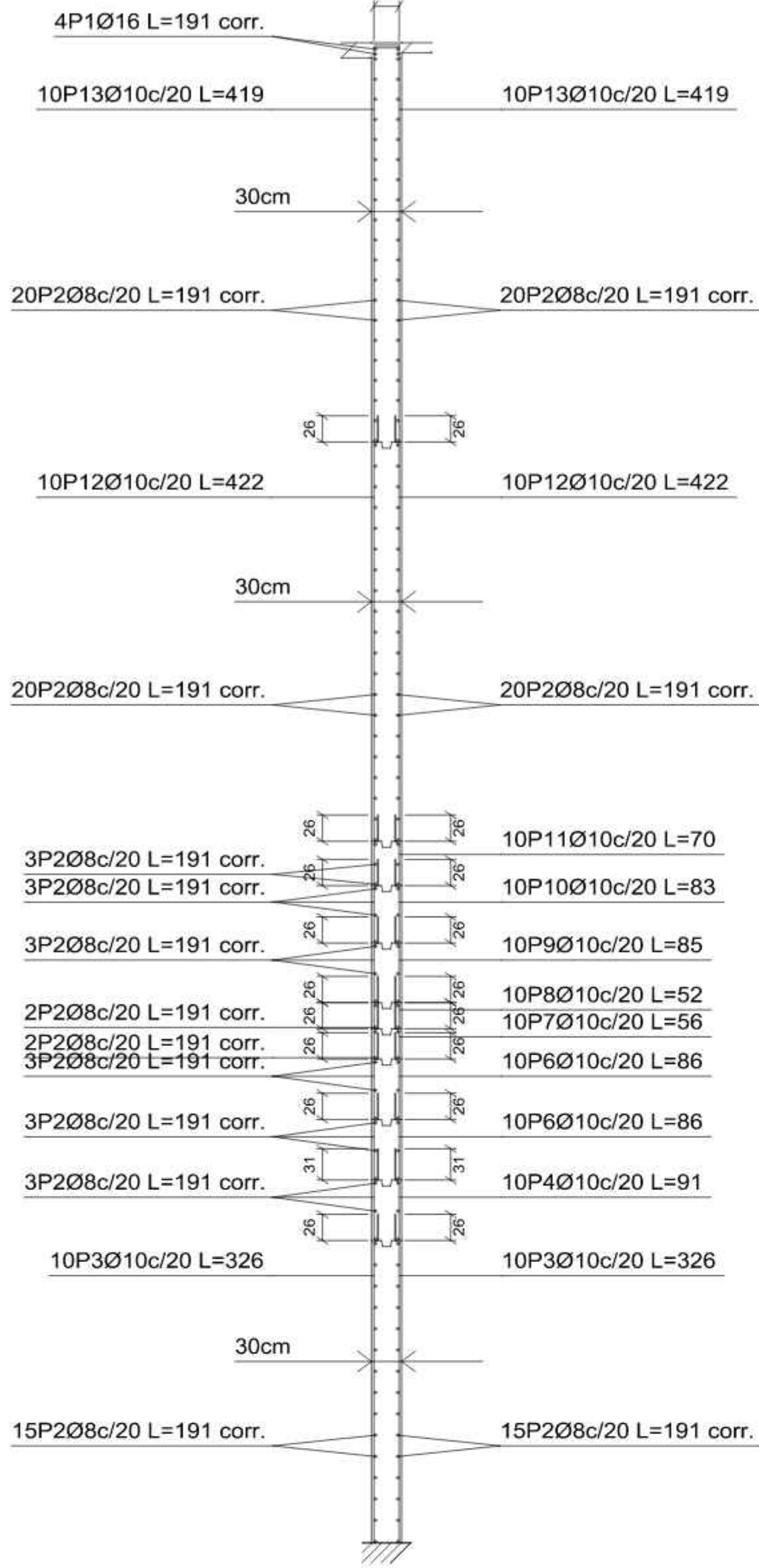
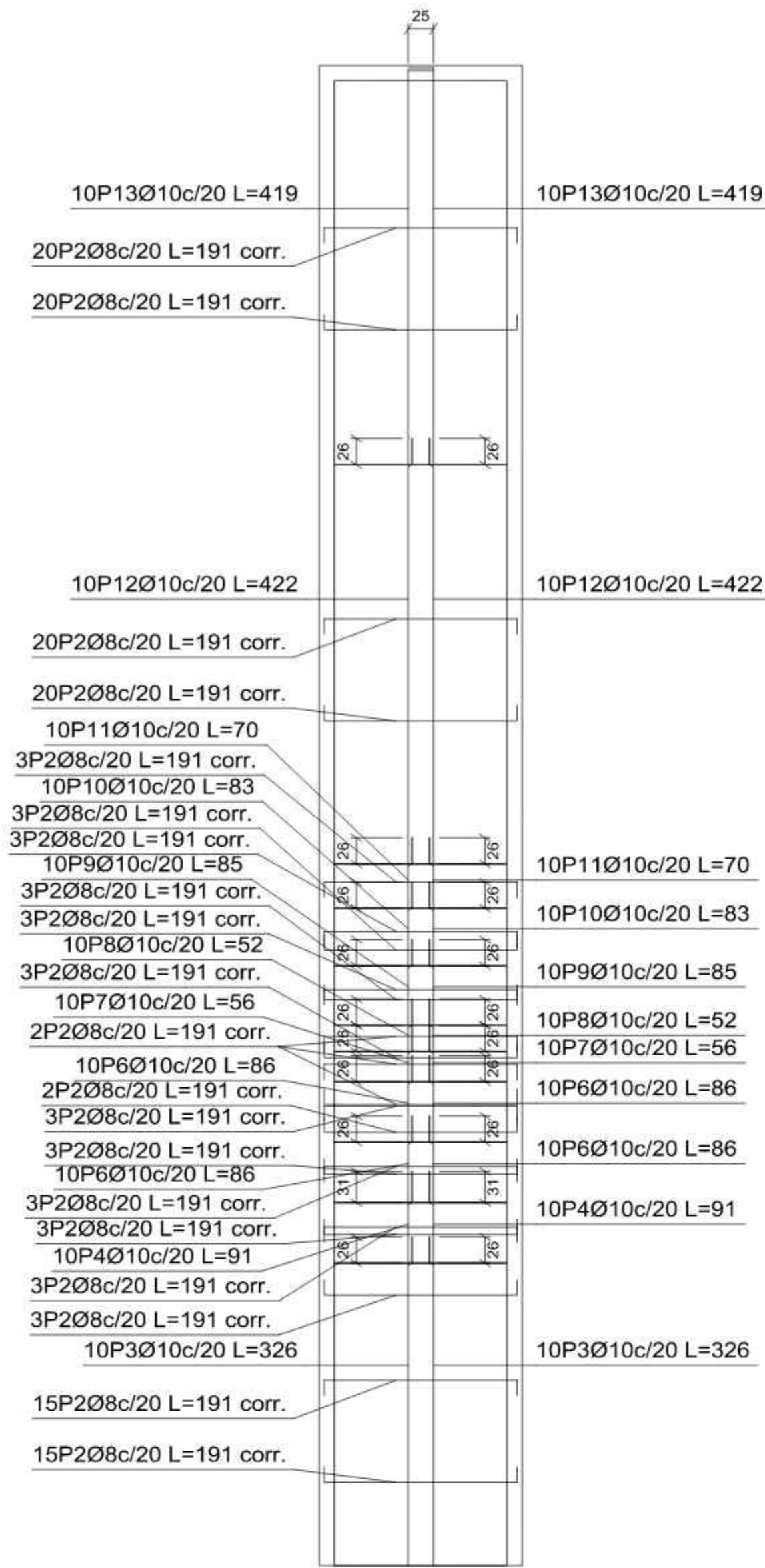
Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
Losa 4			
Columnas			
AH-500CN	Ø6	866.3	211
	Ø8	246.5	107
	Ø12	488.6	477
	Ø16	110.3	192
			987



Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
Losa 3			
Columnas			
AH-500CN	Ø6	830.4	203
	Ø8	282.7	123
	Ø12	516.0	504
	Ø16	140.8	244
			1074



Columnas que terminan en
Losa 4
Hormigón: H-25 , Control Normal
Acero: AH-500 , Control Normal
Escala: 1:50



M10: Plantas 1 a 11

M11: Plantas 1 a 11

M13: Plantas 1 a 11

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
M10	1	Ø16	4	VAR.	764	12.1
	2	Ø8	154	VAR.	29414	116.1
	3	Ø10	20	326	6520	40.2
	4	Ø10	20	91	1820	11.2
	5	Ø6	30	31	930	2.1
	6	Ø10	40	86	3440	21.2
	7	Ø10	20	56	1120	6.9
	8	Ø10	20	52	1040	6.4
	9	Ø10	20	85	1700	10.5
	10	Ø10	20	83	1660	10.2
	11	Ø10	20	70	1400	8.6
	12	Ø10	20	422	8440	52.0
	13	Ø10	20	418	8360	51.5
Total+10%:					383.9	
					Ø6:	2.3
					Ø8:	127.7
					Ø10:	240.6
					Ø16:	13.3
					Total:	383.9

P(5) Muro M10 Planta 1
Transversales:
- Núm. Ramas: 1
- Diámetro: Ø6
- Sep. Vertical: 20 cm
- Sep. Horizontal: 20 cm

Escala: 1:100
ARMADO DE MURO
No se detallan los refuerzos
locales de los huecos.

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
M11	1	Ø16	4	VAR.	672	10.6
	2	Ø8	131	VAR.	22008	86.8
	3	Ø10	18	326	5868	36.2
	4	Ø10	54	86	4644	28.6
	5	Ø10	18	56	1008	6.2
	6	Ø10	18	52	936	5.8
	7	Ø10	18	85	1530	9.4
	8	Ø10	18	83	1494	9.2
	9	Ø10	18	70	1260	7.8
	10	Ø10	19	VAR.	3192	19.7
	11	Ø10	18	422	7596	46.8
	12	Ø10	18	418	7524	46.4
Total+10%:					344.9	
					Ø8:	95.4
					Ø10:	237.8
					Ø16:	11.7
					Total:	344.9

Escala: 1:100
ARMADO DE MURO
No se detallan los refuerzos
locales de los huecos.

Escala: 1:100
ARMADO DE MURO
No se detallan los refuerzos
locales de los huecos.

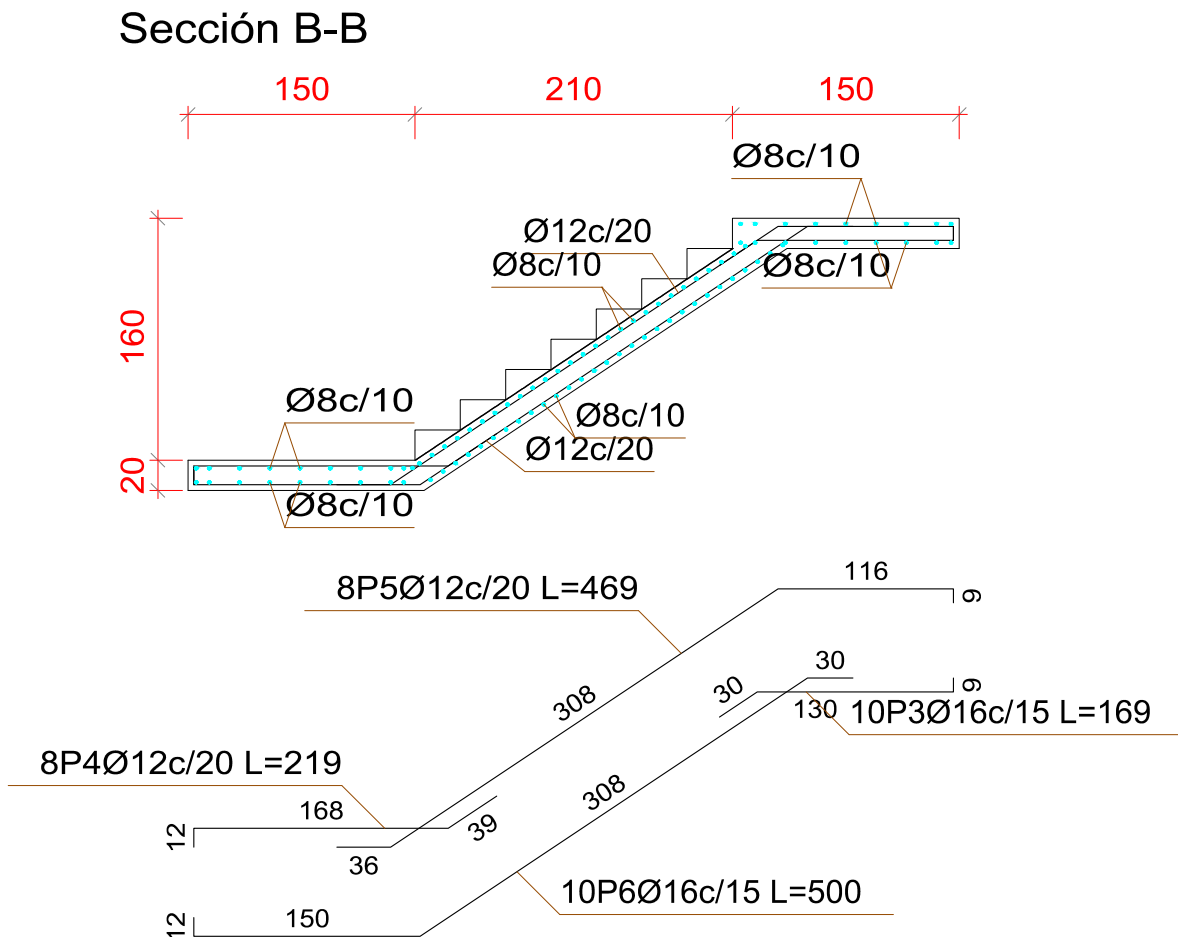
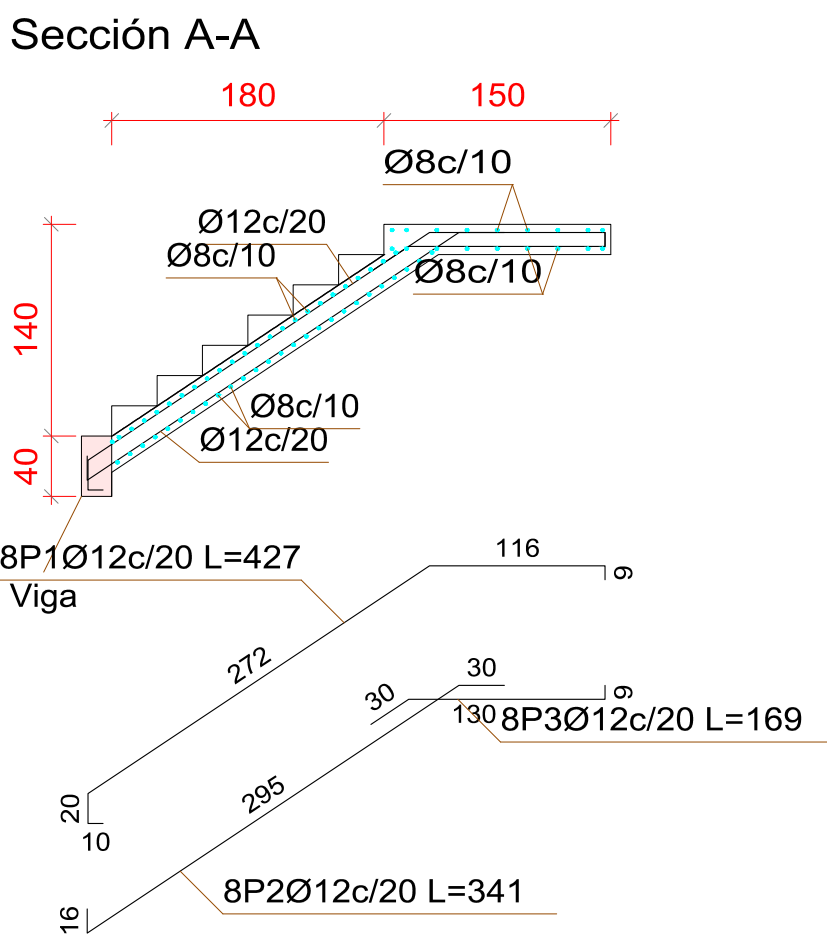
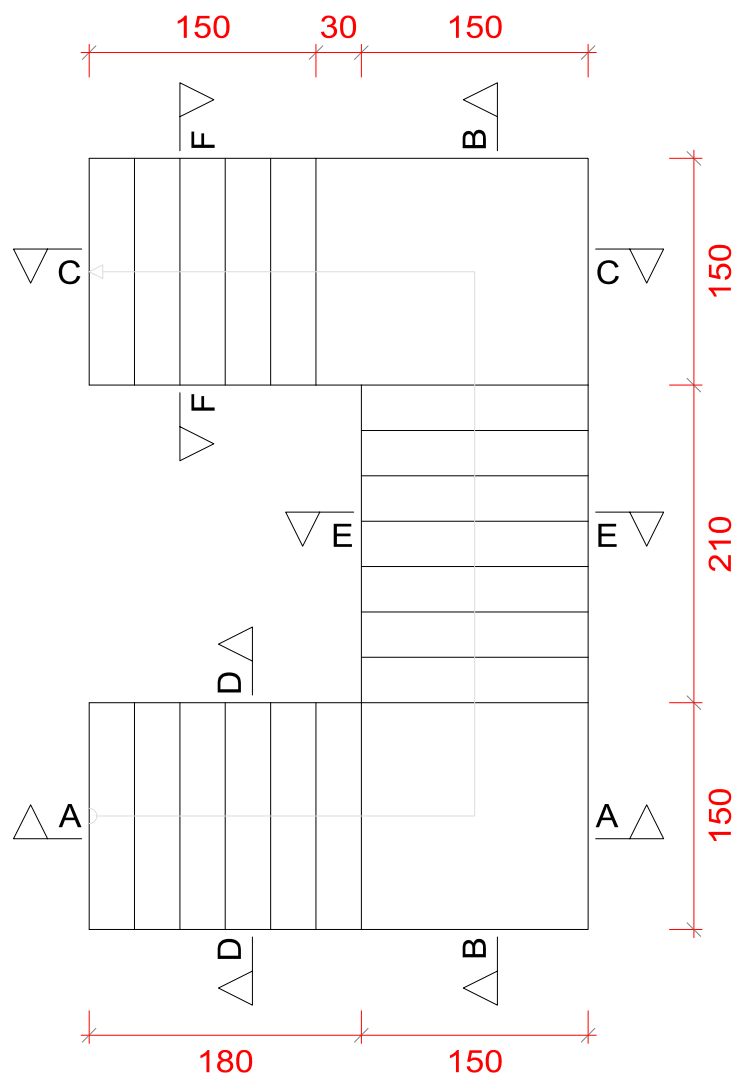
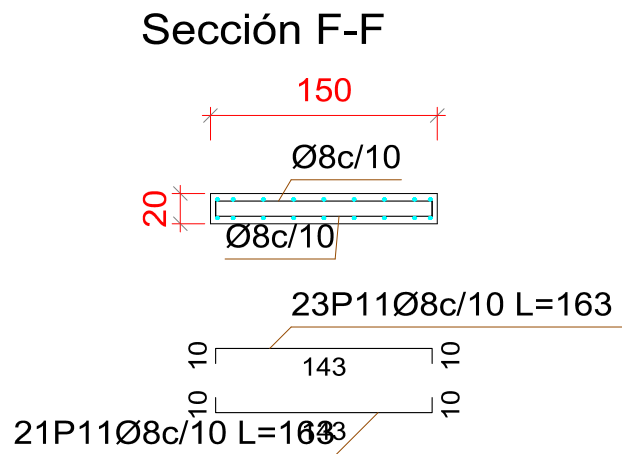
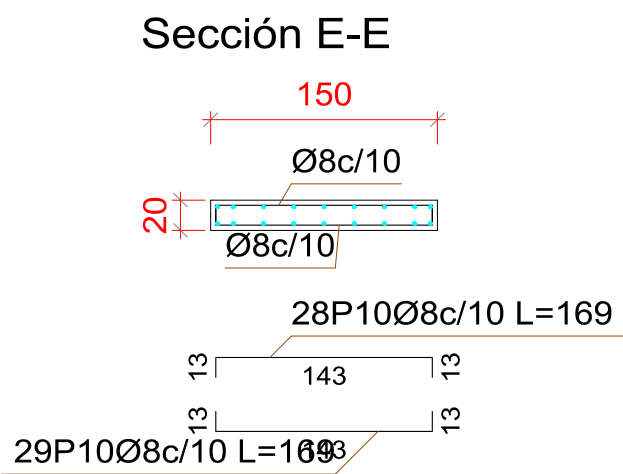
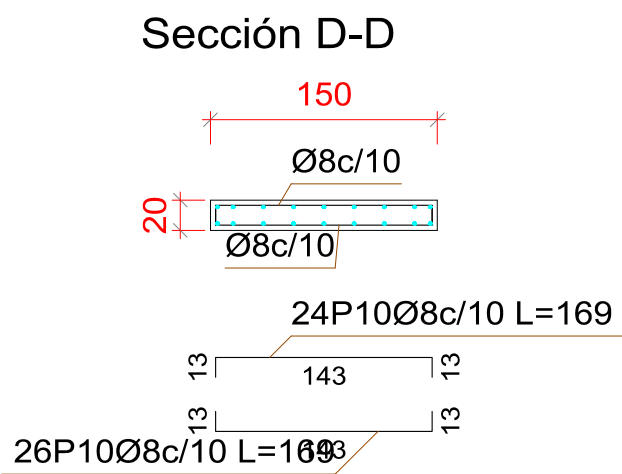
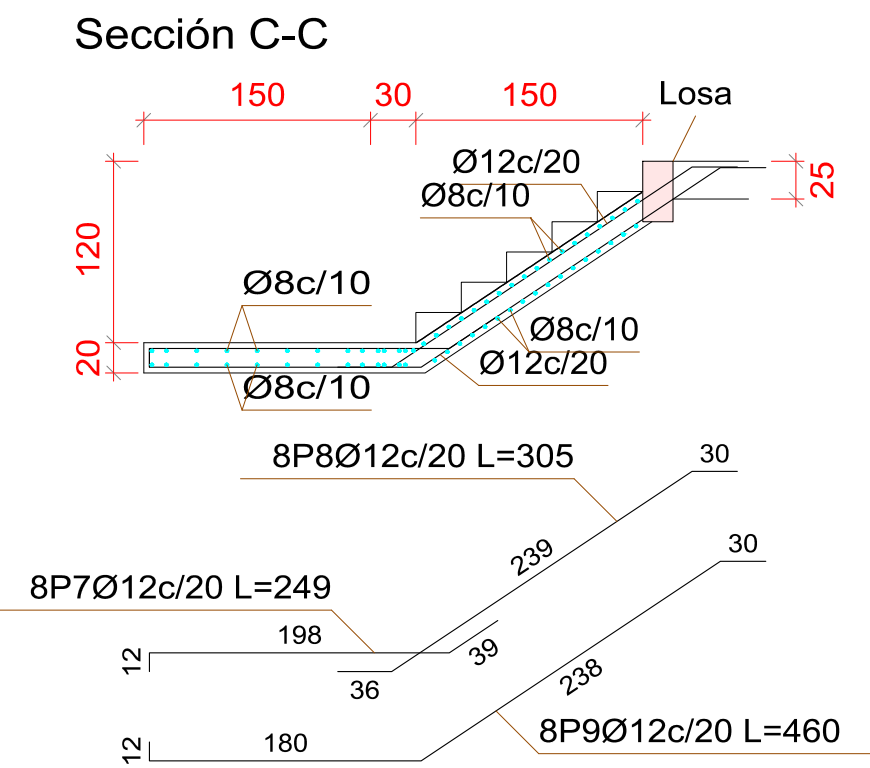
P(10) Muro M13 Planta 7
Transversales:
- Núm. Ramas: 1
- Diámetro: Ø6
- Sep. Vertical: 20 cm
- Sep. Horizontal: 20 cm

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
M13	1	Ø16	4	VAR.	672	10.6
	2	Ø8	74	VAR.	12432	49.1
	3	Ø10	18	326	5868	36.2
	4	Ø10	18	VAR.	3024	18.6
	5	Ø10	54	86	4644	28.6
	6	Ø10	18	56	1008	6.2
	7	Ø10	18	52	936	5.8
	8	Ø10	18	85	1530	9.4
	9	Ø10	18	83	1494	9.2
	10	Ø6	27	31	837	1.9
	11	Ø10	18	70	1260	7.8
	12	Ø12	57	VAR.	9576	85.0
	13	Ø10	18	422	7596	46.8
	14	Ø10	18	418	7524	46.4
Total+10%:					397.8	
					Ø6:	2.1
					Ø8:	54.0
					Ø10:	236.5
					Ø12:	93.5
					Ø16:	11.7
					Total:	397.8

Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
Muros de hormigón armado			
AH-500CN	Ø6	17.7	4
	Ø8	638.5	277
	Ø10	1054.4	715
	Ø12	95.8	94
	Ø16	21.1	37
			1127

ESCALERA

Tramo 2		
Geometría	Ancho	1.500 m
	Espesor	0.20 m
	Huella	0.300 m
	Contrahuella	0.200 m
	Desnivel que salva	4.20 m
	N° de escalones	21
Cargas	Planta final	Losa 3
	Planta inicial	Losa 2
	Peso propio	4.91 kN/m2
	Peldañoado (Hormigonado con la losa)	2.04 kN/m2
	Solado	1.00 kN/m2
	Barandillas	0.00 kN/m
Materiales	Sobrecarga de uso	4.00 kN/m2
	Hormigón	H-25 , Control Normal
	Acero	AH-500 , Control Normal
	Rec. geométrico	3.0 cm



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
ESCALERA-Tramo 1	1	Ø12	8	427	3843	60.7
	2	Ø12	16	341	3069	48.4
	3	Ø16	10	169	3042	48.0
	4	Ø12	8	219	1971	31.1
	5	Ø12	8	469	4221	66.6
	6	Ø16	10	500	4500	71.0
	7	Ø12	8	249	2241	35.4
	8	Ø12	8	305	2745	43.3
	9	Ø12	8	460	4140	65.3
	10	Ø8	107	169	18083	71.4
	11	Ø8	44	163	7172	28.3
Total+10%:					626.5	
					Ø8:	109.7
					Ø16:	202.73
					Ø12:	314.05
					Total:	626.5

Resumen Acero ESCALERA		Long. total (m)	Peso+10% (kg)	Total
AH-500CN	Ø8	252.55	109.7	
	Ø16	116.82	202.73	
	Ø12	180.9	314.05	626.5

Fundación
Despiece fundación
Hormigón: H-25 , Control Normal
Escala: 1:100

CUADRO DE ELEMENTOS DE FUNDACIÓN						
Referencias	Dimensiones (cm)	Altura (cm)	Armado inf. X	Armado inf. Y	Armado sup. X	Armado sup. Y
P42, P58, P63, P73 y P74	125x125	30	6Ø12c/20	6Ø12c/20		
P46 y P77	115x115	30	6Ø12c/20	6Ø12c/20		
P47	105x105	30	5Ø12c/20	5Ø12c/20		
P48	95x95	30	5Ø12c/20	5Ø12c/20		
P49 y P78	75x75	30	4Ø12c/20	4Ø12c/20		
P50	80x80	30	4Ø12c/20	4Ø12c/20		
P51	140x140	30	7Ø12c/20	7Ø12c/20		
P52, P53 y P64	175x175	40	11Ø12c/15	11Ø12c/15		
P54 y P56	165x165	35	11Ø12c/15	11Ø12c/15		
P55, P68 y P69	145x145	30	9Ø12c/15	9Ø12c/15		
P57	160x160	40	10Ø16c/15	10Ø16c/15		
P59 y P76	155x155	35	10Ø12c/15	10Ø12c/15		
P60	175x175	40	9Ø16c/20	9Ø16c/20		
P61	175x175	40	11Ø12c/15	9Ø16c/20		
P62, P65 y P67	200x200	45	10Ø16c/20	10Ø16c/20		
P66	200x200	40	10Ø16c/20	10Ø16c/20		
P70 y P71	185x185	40	9Ø16c/20	9Ø16c/20		
P72	190x190	40	9Ø16c/20	12Ø12c/15		
P75 y P79	155x155	35	8Ø12c/20	8Ø12c/20		
P81, P85, P86, P87, P88, P91 y P92	75x75	30	4Ø12c/20	4Ø12c/20		
(P94-P95)	110x75	30	4Ø12c/20	5Ø12c/20		
(M10-M11-M13)	320x320	45	16Ø16c/20	16Ø16c/20		
(P43-P44-P80)	205x205	45	10Ø12c/20	10Ø12c/20	10Ø12c/20	10Ø12c/20
(P82-P83-P84)	205x205	45	10Ø12c/20	10Ø12c/20	10Ø12c/20	10Ø12c/20

Cuadro de arranques			
Referencias	Armados Esquinas	Armados Cara X	Armados Cara Y
P42, P46, P55, P69, P74 y P78	4Ø12 (30+22+31)		
P43, P44, P83 y P84	4Ø16 (30+37+41)	4Ø16 (30+37+41)	2Ø16 (30+37+41)
P47, P48, P49, P50, P51, P58, P68, P73 y P77	4Ø12 (30+22+31)		2Ø12 (30+22+31)
P52 y P53	4Ø16 (30+32+41)		2Ø12 (30+32+31)
P54 y P59	4Ø12 (30+27+31)		
P56, P75, P76 y P79	4Ø12 (30+27+31)		2Ø12 (30+27+31)
P57	4Ø12 (30+31+31)		2Ø12 (30+31+31)
P60, P70 y P71	4Ø16 (30+31+41)		2Ø12 (30+31+31)
P61	4Ø16 (30+31+41)		
P62, P65 y P67	4Ø12 (30+36+31)		
P63	4Ø16 (30+22+41)		2Ø12 (30+22+31)
P64	4Ø16 (30+32+41)		
P66	4Ø12 (30+31+31)		
P72	4Ø12 (30+32+31)		
P80	4Ø12 (30+37+31)	2Ø12 (30+37+31)	2Ø12 (30+37+31)
P81	4Ø12 (30+22+31)	2Ø12 (30+22+31)	2Ø12 (30+22+31)
P82	4Ø16 (30+37+41)	2Ø16 (30+37+41)	2Ø16 (30+37+41)
P85, P86 y P95	4Ø16 (30+22+41)	4Ø16 (30+22+41)	2Ø16 (30+22+41)
P87, P88, P91, P92 y P94	4Ø12 (30+22+31)	2Ø12 (30+22+31)	

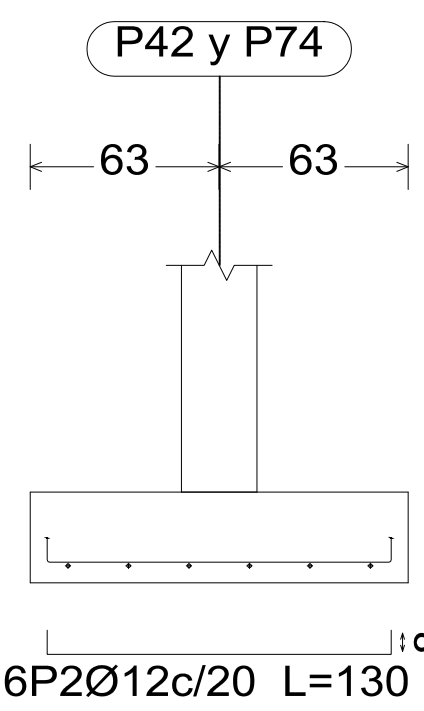
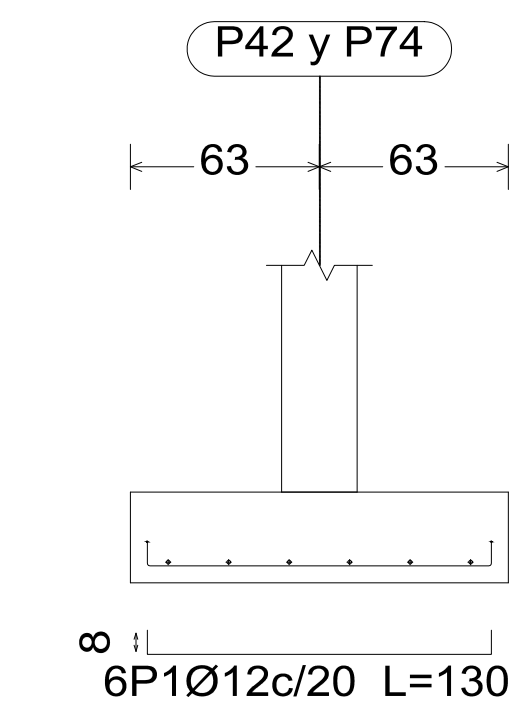
Resumen Acero Fundación		Long. total (m)	Peso+10% (kg)	Total
Despiece fundación				
AH-500CN	Ø6	139.8	34	
	Ø10	29.4	20	
	Ø12	996.4	973	
	Ø16	528.2	917	1944

Arranques	
nØxx(aa+bb+cc)	cc
—	aa
—	bb

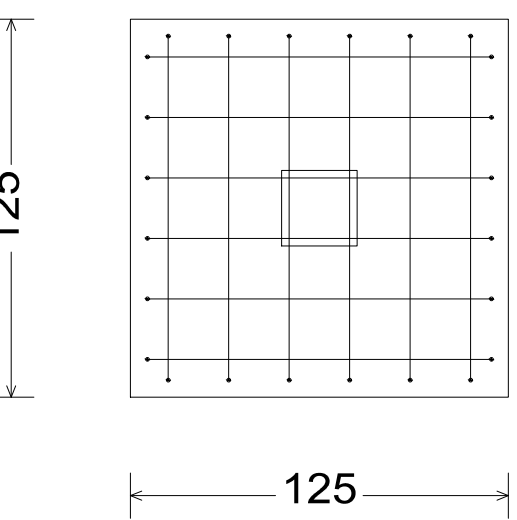
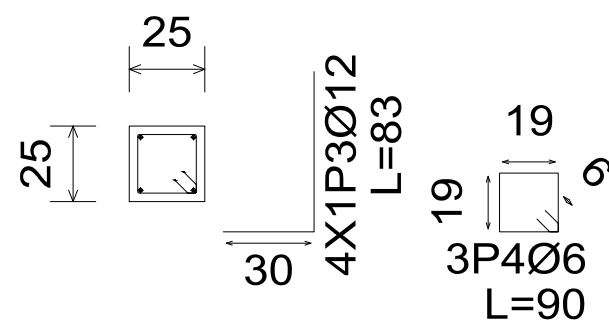
Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
P42=P74	1	Ø12	6	130	780	6.9
	2	Ø12	6	130	780	6.9
	3	Ø12	4	83	332	2.9
	4	Ø6	3	90	270	0.6
Total+10%:				(k2)	19.0	38.0
P46	5	Ø12	6	120	720	6.4
	6	Ø12	4	83	332	2.9
	7	Ø12	3	90	270	0.6
	8	Ø6	3	90	270	0.6
Total+10%:					17.9	
P47	9	Ø12	5	110	550	4.9
	10	Ø12	5	110	550	4.9
	11	Ø12	6	83	498	4.4
	12	Ø6	3	90	270	0.6
Total+10%:					16.3	
				Ø6:	2.5	
				Ø12:	69.7	
				Total:	72.2	

Resumen Acero Fundación		Long. total (m)	Peso+10% (kg)	Total
Despiece fundación				
AH-500CN	Ø6	139.8	34	
	Ø10	29.4	20	
	Ø12	996.4	973	
	Ø16	528.2	917	1944

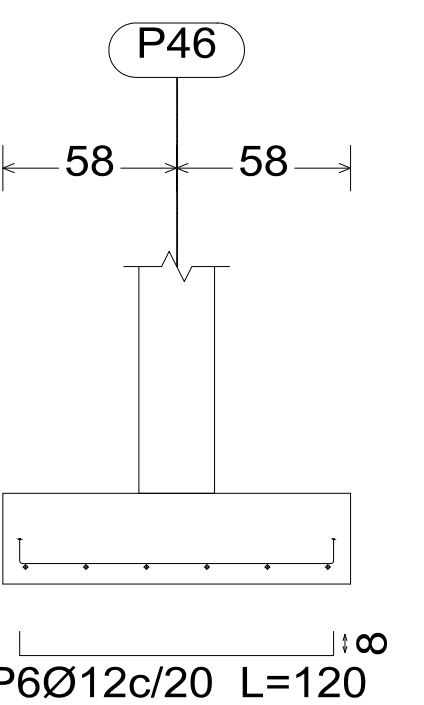
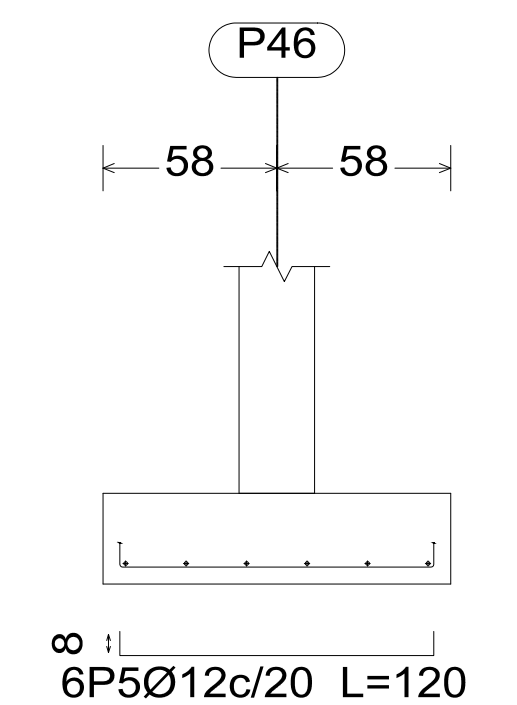
P42 y P74



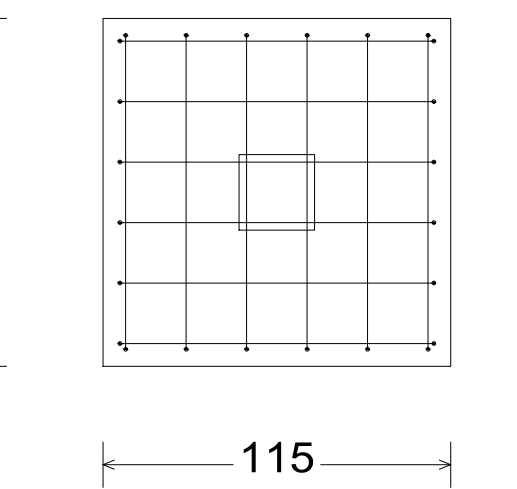
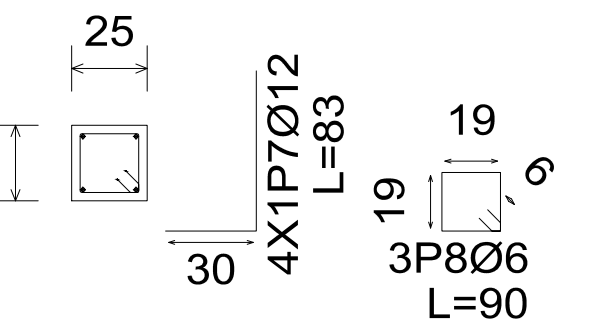
P42 y P74



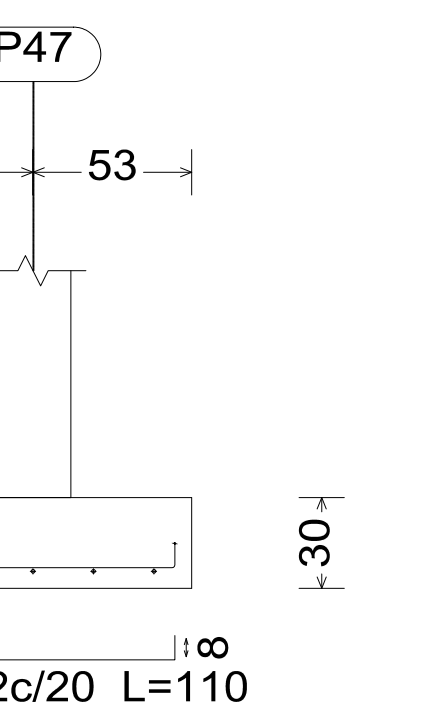
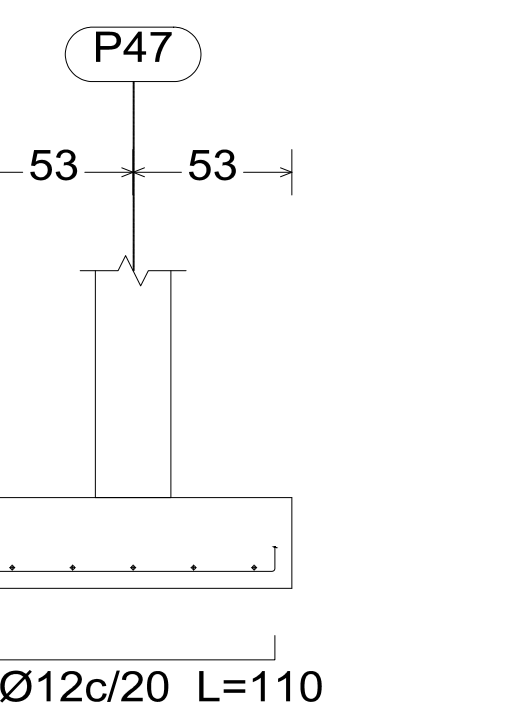
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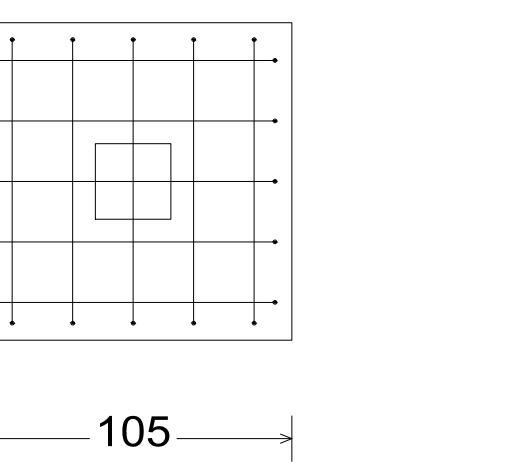
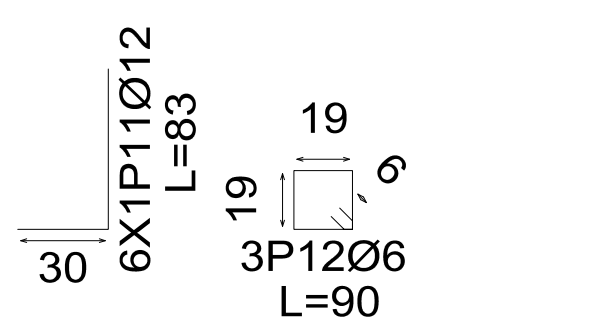
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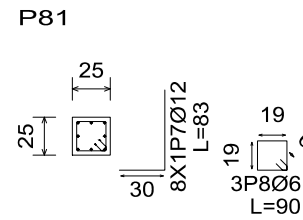
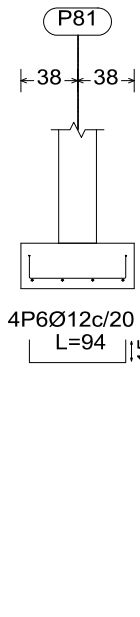
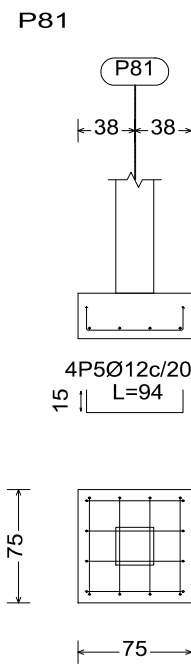


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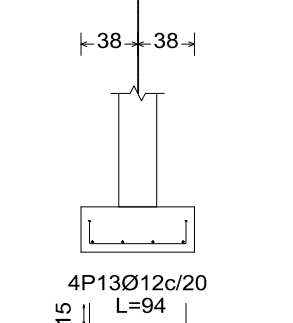
P47



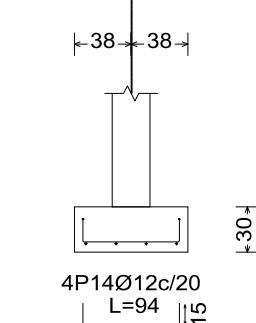


Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
P78	1	Ø12	4	94	376	3.3
	2	Ø12	4	94	376	3.3
	3	Ø12	4	94	376	3.3
	4	Ø12	4	94	376	3.3
Total+10%						11.1
P81	5	Ø12	4	94	376	3.3
	6	Ø12	4	94	376	3.3
	7	Ø12	4	94	376	3.3
	8	Ø12	4	94	376	3.3
Total+10%						14.4
P85-P86	9	Ø12	4	94	376	3.3
	10	Ø12	4	94	376	3.3
	11	Ø12	4	94	376	3.3
	12	Ø12	4	94	376	3.3
Total+10%						14.4
P87-P88-P91-P92	13	Ø12	4	94	376	3.3
	14	Ø12	4	94	376	3.3
	15	Ø12	4	94	376	3.3
	16	Ø12	4	94	376	3.3
Total+10%						14.4
Total						124.3

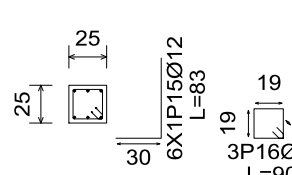
P87, P88, P91 y P92



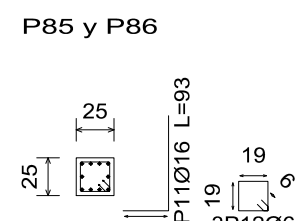
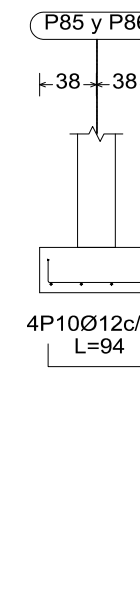
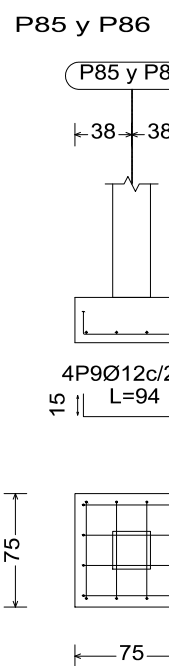
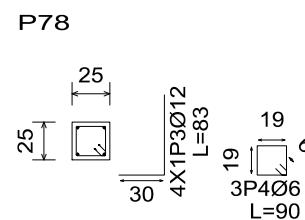
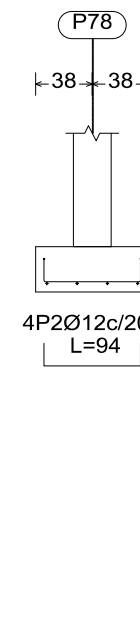
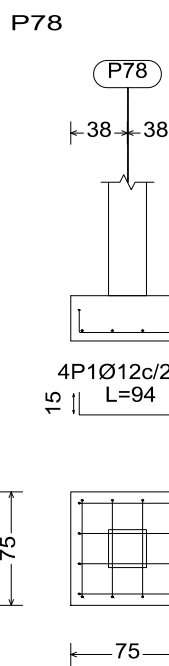
P87, P88, P91 y P92



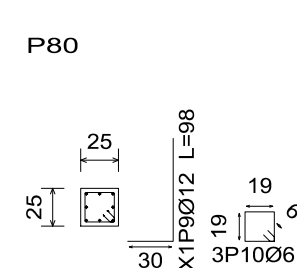
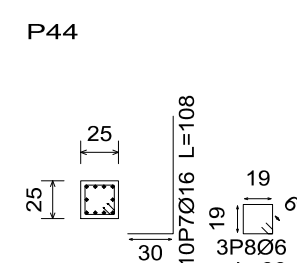
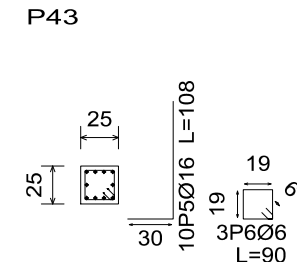
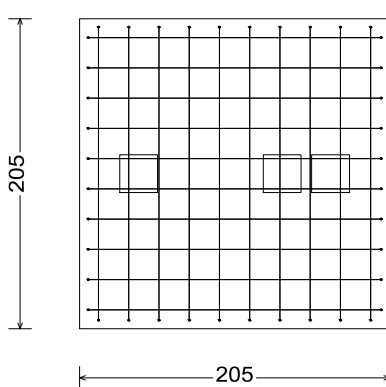
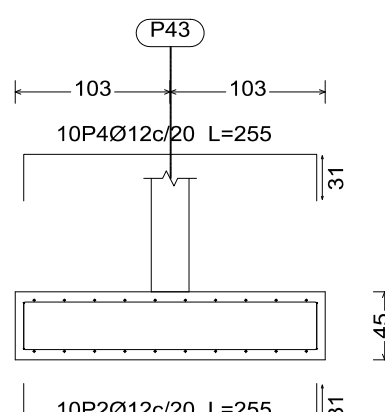
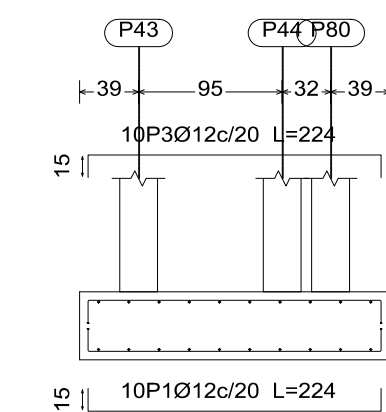
P87, P88, P91 y P92



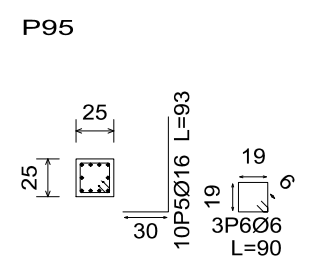
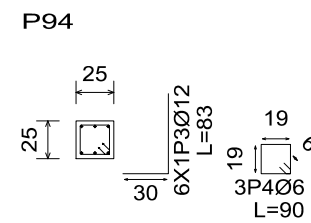
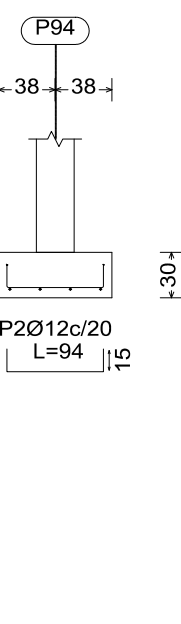
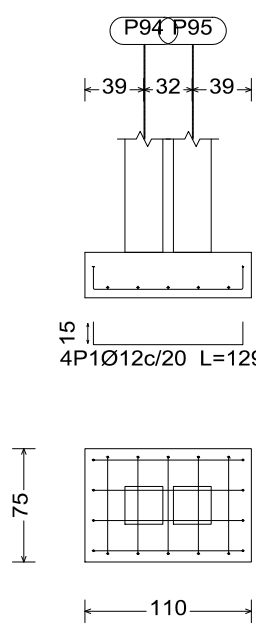
Resumen Acero Fundación	Long. total (m)	Peso+10% (kg)	Total
AH-500CN Ø6	139.8	34	
Ø10	29.4	20	
Ø12	996.4	973	
Ø16	528.2	917	1944



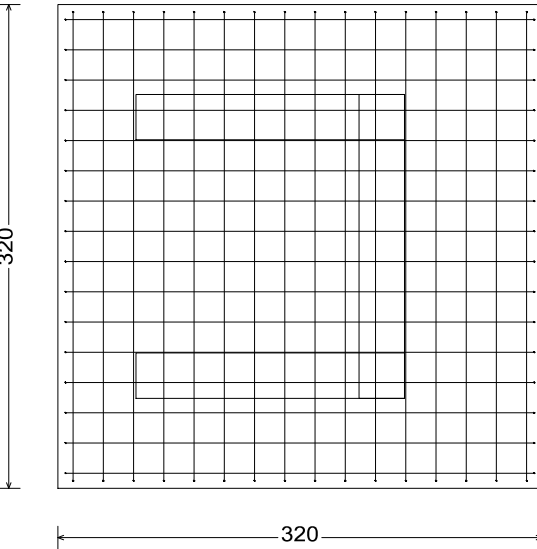
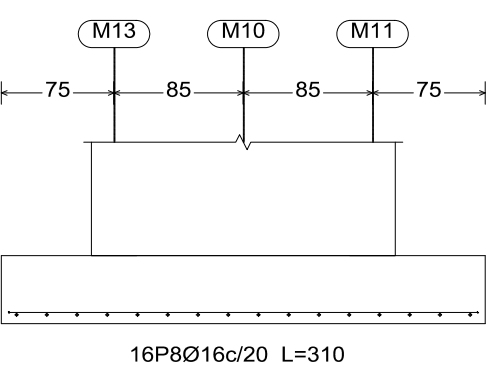
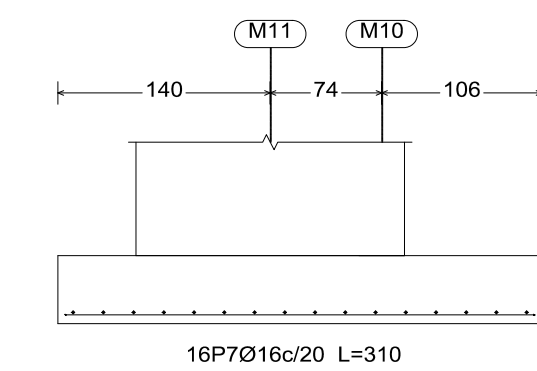
(P43-P44-P80)



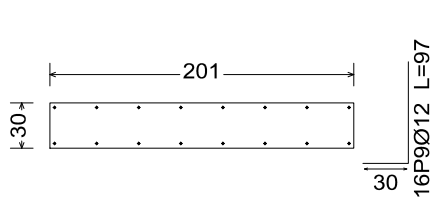
(P94-P95)



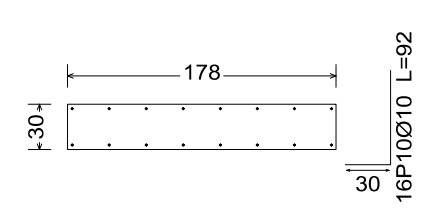
(M10-M11-M13)



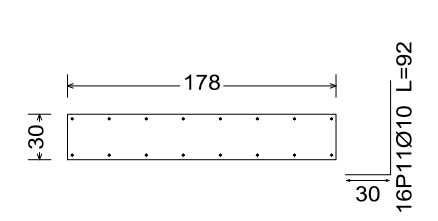
M10



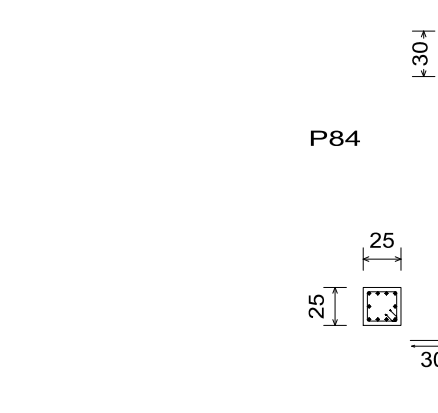
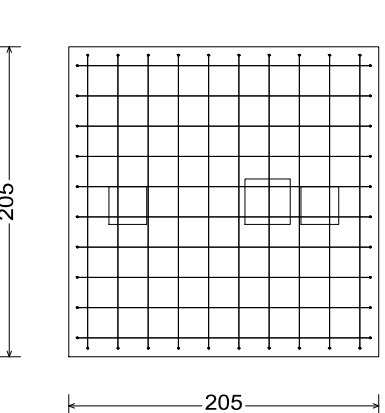
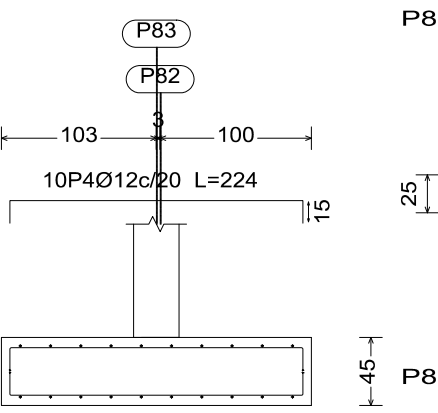
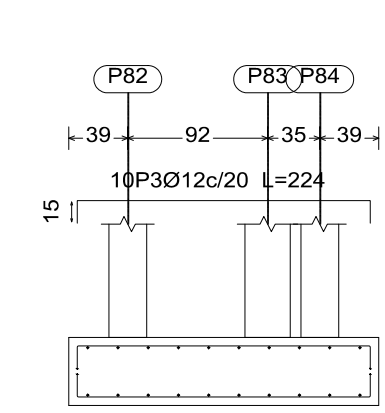
M11



M13



(P82-P83-P84)



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
(P43-P44-P80)	1	Ø12	10	224	2240	19.9
	2	Ø12	10	224	2240	19.9
	3	Ø12	10	224	2240	19.9
	4	Ø12	10	224	2240	19.9
	5	Ø12	10	224	2240	19.9
	6	Ø12	10	224	2240	19.9
	7	Ø12	10	224	2240	19.9
	8	Ø12	10	224	2240	19.9
	9	Ø12	10	224	2240	19.9
	10	Ø12	10	224	2240	19.9
Total+10%						140.8
Total						140.8

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
(P82-P83-P84)	1	Ø12	10	224	2240	19.9
	2	Ø12	10	224	2240	19.9
	3	Ø12	10	224	2240	19.9
	4	Ø12	10	224	2240	19.9
	5	Ø12	10	224	2240	19.9
	6	Ø12	10	224	2240	19.9
	7	Ø12	10	224	2240	19.9
	8	Ø12	10	224	2240	19.9
	9	Ø12	10	224	2240	19.9
	10	Ø12	10	224	2240	19.9
Total+10%						142.0
Total						142.0

Resumen Acero Fundación	Long. total (m)	Peso+10% (kg)	Total
AH-500CN Ø6	139.8	34	
Ø10	29.4	20	
Ø12	996.4	973	
Ø16	528.2	917	1944

Resumen Acero Fundación	Long. total (m)	Peso+10% (kg)	Total
AH-500CN Ø6	139.8	34	
Ø10	29.4	20	
Ø12	996.4	973	
Ø16	528.2	917	1944