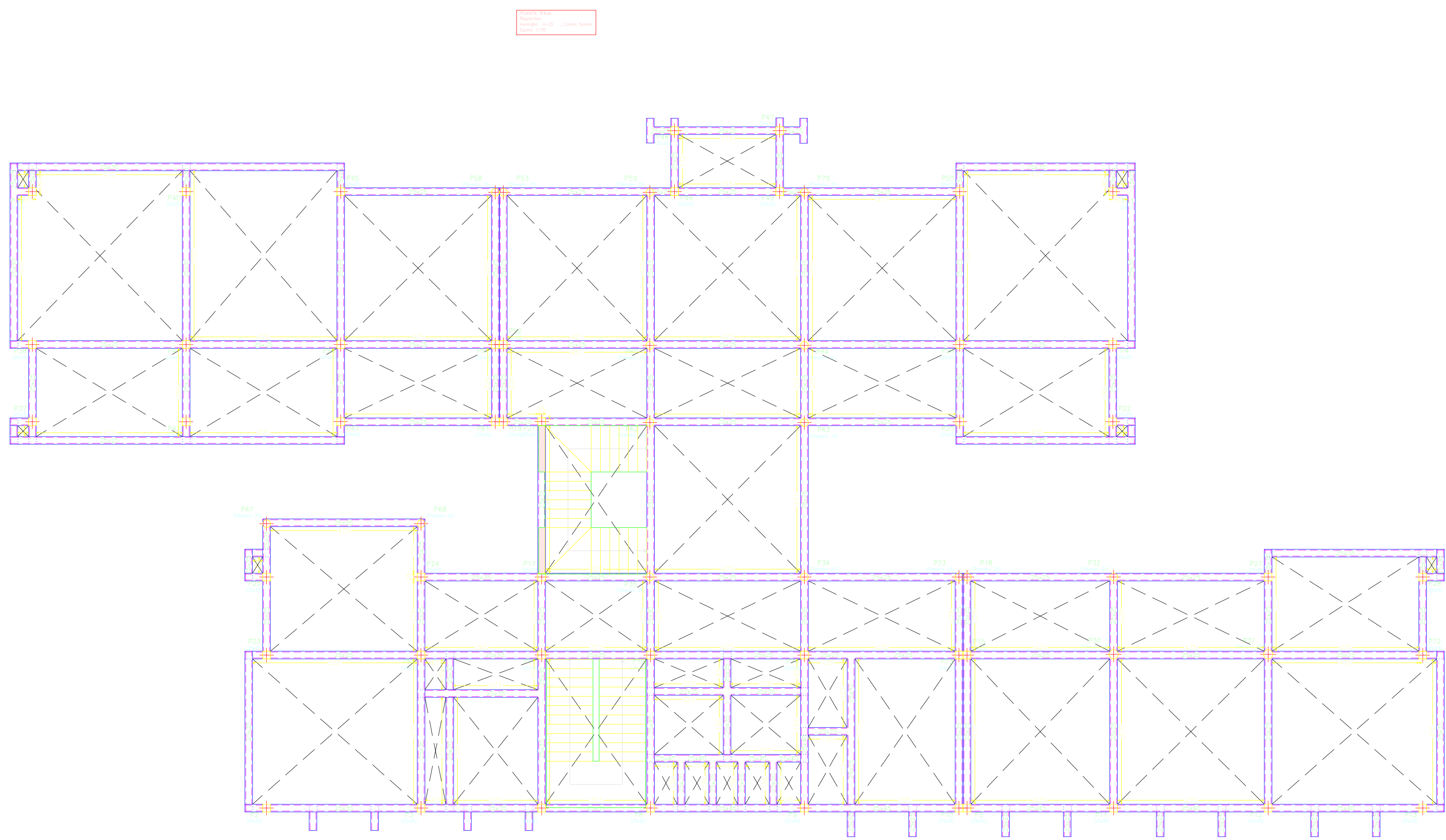
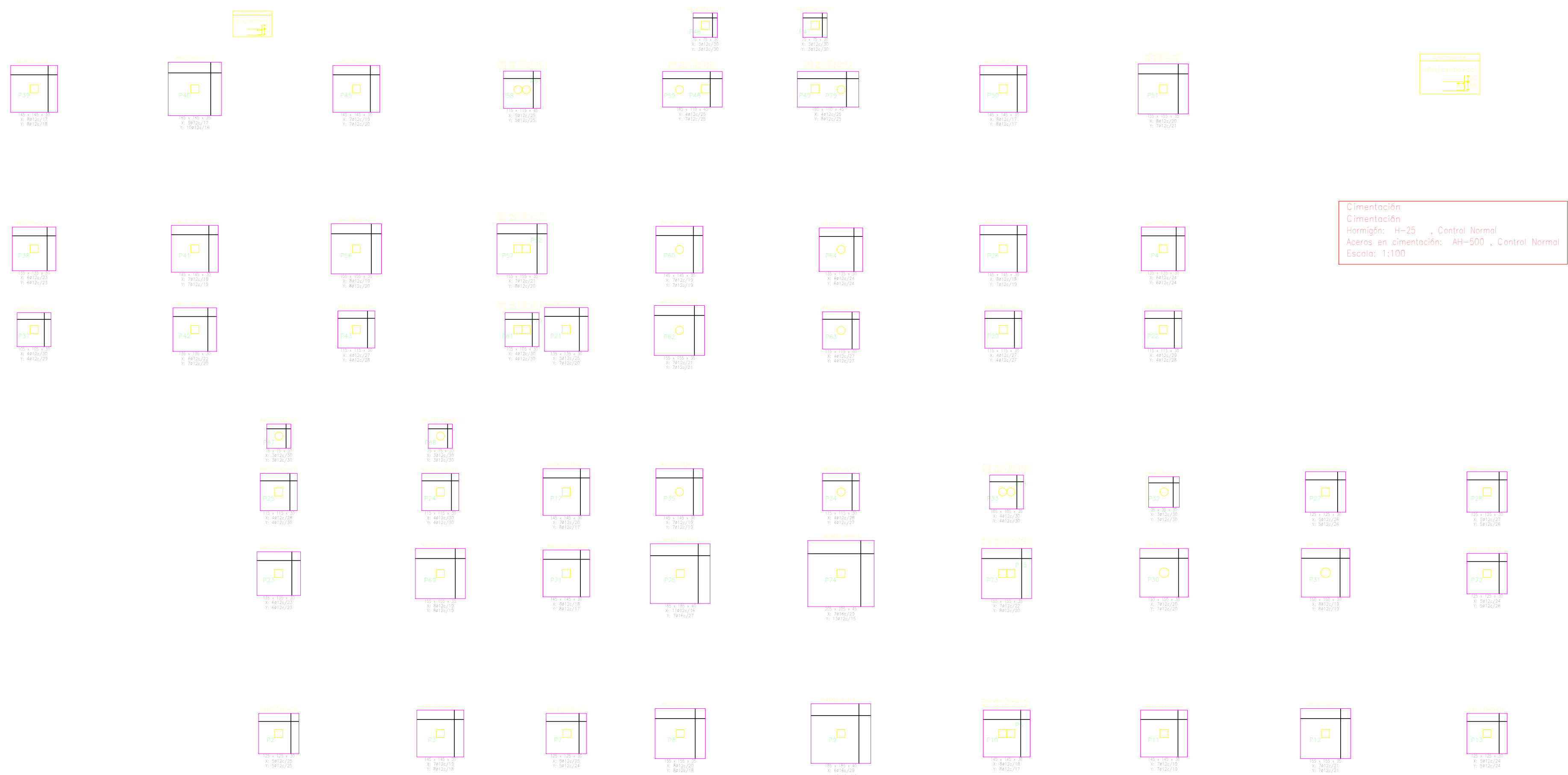


REPLANTEO



UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA INGENIERÍA CIVIL			
DISEÑO ESTRUCTURAL BLOQUE ADMINISTRATIVO SEDECA-CARAPARI		CONTENIDO REPLANTEO	
ESTUDIANTE KARINA ALEJANDRA ESCALANTE TEJERINA		ESCALA 1:100	LÁMINA 1 / 17
VoBo		FECHA MARZO/2021	

PLANO DE ZAPATAS



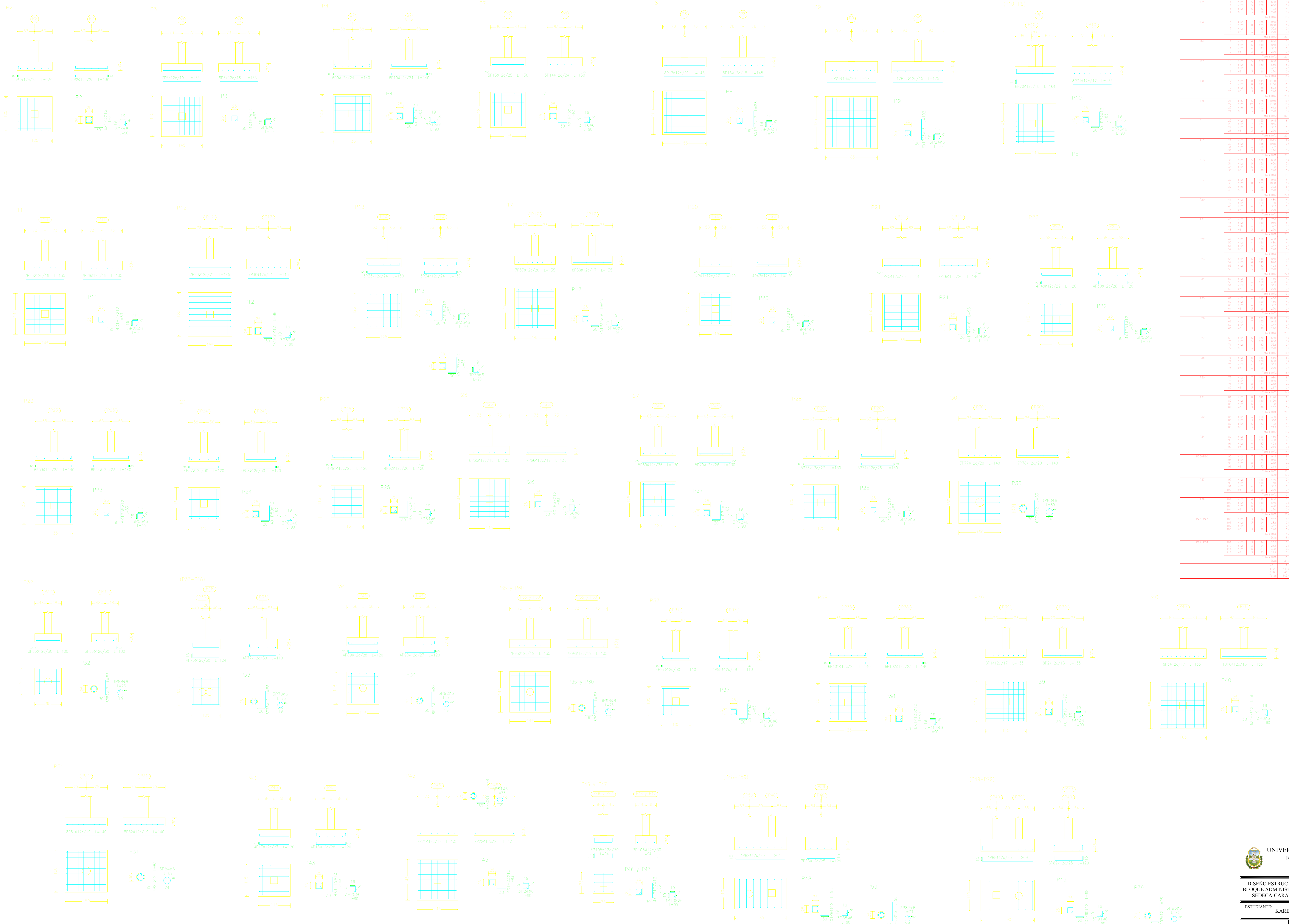
LISTA DE ZAPATAS DE CONCRETO			
Referencia	Dimensiones (m)	Longitud (m)	Superficie (m²)
F01	1.20x1.20	1.20	1.44
F02	1.20x1.20	1.20	1.44
F03	1.20x1.20	1.20	1.44
F04	1.20x1.20	1.20	1.44
F05	1.20x1.20	1.20	1.44
F06	1.20x1.20	1.20	1.44
F07	1.20x1.20	1.20	1.44
F08	1.20x1.20	1.20	1.44
F09	1.20x1.20	1.20	1.44
F10	1.20x1.20	1.20	1.44
F11	1.20x1.20	1.20	1.44
F12	1.20x1.20	1.20	1.44
F13	1.20x1.20	1.20	1.44
F14	1.20x1.20	1.20	1.44
F15	1.20x1.20	1.20	1.44
F16	1.20x1.20	1.20	1.44
F17	1.20x1.20	1.20	1.44
F18	1.20x1.20	1.20	1.44
F19	1.20x1.20	1.20	1.44
F20	1.20x1.20	1.20	1.44
F21	1.20x1.20	1.20	1.44
F22	1.20x1.20	1.20	1.44
F23	1.20x1.20	1.20	1.44
F24	1.20x1.20	1.20	1.44
F25	1.20x1.20	1.20	1.44
F26	1.20x1.20	1.20	1.44
F27	1.20x1.20	1.20	1.44
F28	1.20x1.20	1.20	1.44
F29	1.20x1.20	1.20	1.44
F30	1.20x1.20	1.20	1.44
F31	1.20x1.20	1.20	1.44
F32	1.20x1.20	1.20	1.44
F33	1.20x1.20	1.20	1.44
F34	1.20x1.20	1.20	1.44
F35	1.20x1.20	1.20	1.44
F36	1.20x1.20	1.20	1.44
F37	1.20x1.20	1.20	1.44
F38	1.20x1.20	1.20	1.44
F39	1.20x1.20	1.20	1.44
F40	1.20x1.20	1.20	1.44
F41	1.20x1.20	1.20	1.44
F42	1.20x1.20	1.20	1.44
F43	1.20x1.20	1.20	1.44
F44	1.20x1.20	1.20	1.44
F45	1.20x1.20	1.20	1.44
F46	1.20x1.20	1.20	1.44
F47	1.20x1.20	1.20	1.44
F48	1.20x1.20	1.20	1.44
F49	1.20x1.20	1.20	1.44
F50	1.20x1.20	1.20	1.44
F51	1.20x1.20	1.20	1.44
F52	1.20x1.20	1.20	1.44
F53	1.20x1.20	1.20	1.44
F54	1.20x1.20	1.20	1.44
F55	1.20x1.20	1.20	1.44
F56	1.20x1.20	1.20	1.44
F57	1.20x1.20	1.20	1.44
F58	1.20x1.20	1.20	1.44
F59	1.20x1.20	1.20	1.44
F60	1.20x1.20	1.20	1.44
F61	1.20x1.20	1.20	1.44
F62	1.20x1.20	1.20	1.44
F63	1.20x1.20	1.20	1.44
F64	1.20x1.20	1.20	1.44
F65	1.20x1.20	1.20	1.44
F66	1.20x1.20	1.20	1.44
F67	1.20x1.20	1.20	1.44
F68	1.20x1.20	1.20	1.44
F69	1.20x1.20	1.20	1.44
F70	1.20x1.20	1.20	1.44
F71	1.20x1.20	1.20	1.44
F72	1.20x1.20	1.20	1.44
F73	1.20x1.20	1.20	1.44
F74	1.20x1.20	1.20	1.44
F75	1.20x1.20	1.20	1.44
F76	1.20x1.20	1.20	1.44
F77	1.20x1.20	1.20	1.44
F78	1.20x1.20	1.20	1.44
F79	1.20x1.20	1.20	1.44
F80	1.20x1.20	1.20	1.44
F81	1.20x1.20	1.20	1.44
F82	1.20x1.20	1.20	1.44
F83	1.20x1.20	1.20	1.44
F84	1.20x1.20	1.20	1.44
F85	1.20x1.20	1.20	1.44
F86	1.20x1.20	1.20	1.44
F87	1.20x1.20	1.20	1.44
F88	1.20x1.20	1.20	1.44
F89	1.20x1.20	1.20	1.44
F90	1.20x1.20	1.20	1.44
F91	1.20x1.20	1.20	1.44
F92	1.20x1.20	1.20	1.44
F93	1.20x1.20	1.20	1.44
F94	1.20x1.20	1.20	1.44
F95	1.20x1.20	1.20	1.44
F96	1.20x1.20	1.20	1.44
F97	1.20x1.20	1.20	1.44
F98	1.20x1.20	1.20	1.44
F99	1.20x1.20	1.20	1.44
F100	1.20x1.20	1.20	1.44

ARMADURA DE ZAPATAS

UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA INGENIERÍA CIVIL			
DISEÑO ESTRUCTURAL BLOQUE ADMINISTRATIVO SEDECA-CARAPARI		CONTENIDO PLANO DE ARMADURA DE ZAPATAS	
ESTUDIANTE KARINA ALEJANDRA ESCALANTE TEJERINA		ESCALA 1:100	LÁMINA 2 / 17
VoBo		FECHA MARZO/2021	

ARMADURA DE ZAPATAS

Resumen Acero Cimentación	Long. total (m)	Peso-100 (kg)	Total
Barra 2002N	185.1	40	
#12	1159.7	1133	
#16	68.1	118	1291

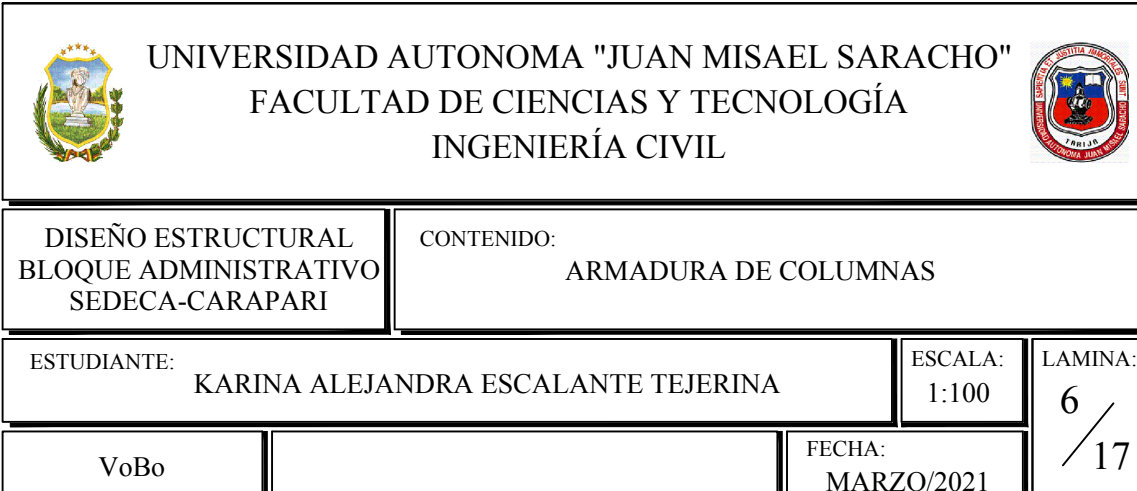
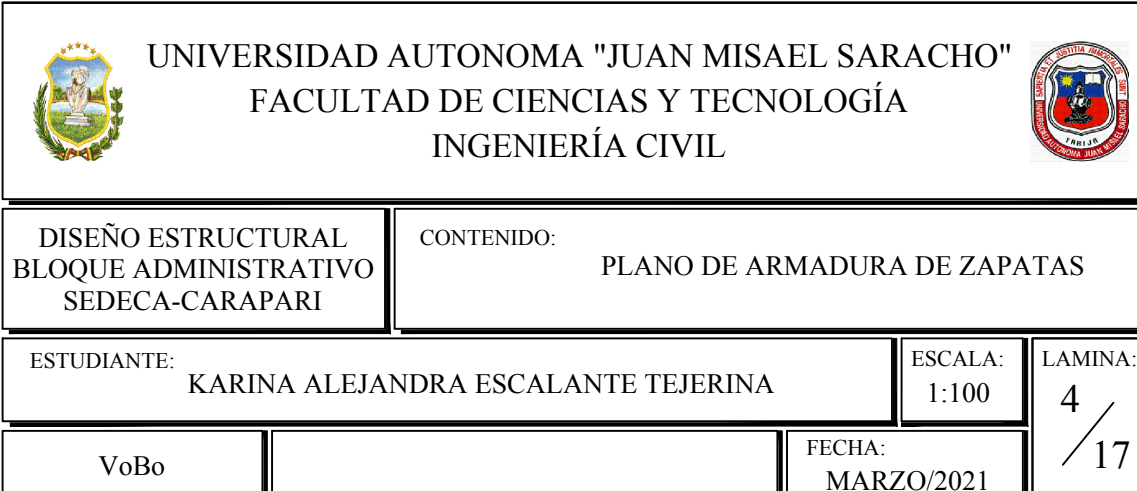


Elemento	Pos.	Dim.	No.	Long. (cm)	Peso-100N (kg)
P1	1	1	1	185.1	40
P2	1	1	1	185.1	40
P3	1	1	1	185.1	40
P4	1	1	1	185.1	40
P5	1	1	1	185.1	40
P6	1	1	1	185.1	40
P7	1	1	1	185.1	40
P8	1	1	1	185.1	40
P9	1	1	1	185.1	40
P10	1	1	1	185.1	40
P11	1	1	1	185.1	40
P12	1	1	1	185.1	40
P13	1	1	1	185.1	40
P14	1	1	1	185.1	40
P15	1	1	1	185.1	40
P16	1	1	1	185.1	40
P17	1	1	1	185.1	40
P18	1	1	1	185.1	40
P19	1	1	1	185.1	40
P20	1	1	1	185.1	40
P21	1	1	1	185.1	40
P22	1	1	1	185.1	40
P23	1	1	1	185.1	40
P24	1	1	1	185.1	40
P25	1	1	1	185.1	40
P26	1	1	1	185.1	40
P27	1	1	1	185.1	40
P28	1	1	1	185.1	40
P29	1	1	1	185.1	40
P30	1	1	1	185.1	40
P31	1	1	1	185.1	40
P32	1	1	1	185.1	40
P33	1	1	1	185.1	40
P34	1	1	1	185.1	40
P35	1	1	1	185.1	40
P36	1	1	1	185.1	40
P37	1	1	1	185.1	40
P38	1	1	1	185.1	40
P39	1	1	1	185.1	40
P40	1	1	1	185.1	40
P41	1	1	1	185.1	40
P42	1	1	1	185.1	40
P43	1	1	1	185.1	40
P44	1	1	1	185.1	40
P45	1	1	1	185.1	40
P46	1	1	1	185.1	40
P47	1	1	1	185.1	40
P48	1	1	1	185.1	40
P49	1	1	1	185.1	40
P50	1	1	1	185.1	40

Elemento	Pos.	Dim.	No.	Long. (cm)	Peso-100N (kg)
P1	1	1	1	185.1	40
P2	1	1	1	185.1	40
P3	1	1	1	185.1	40
P4	1	1	1	185.1	40
P5	1	1	1	185.1	40
P6	1	1	1	185.1	40
P7	1	1	1	185.1	40
P8	1	1	1	185.1	40
P9	1	1	1	185.1	40
P10	1	1	1	185.1	40
P11	1	1	1	185.1	40
P12	1	1	1	185.1	40
P13	1	1	1	185.1	40
P14	1	1	1	185.1	40
P15	1	1	1	185.1	40
P16	1	1	1	185.1	40
P17	1	1	1	185.1	40
P18	1	1	1	185.1	40
P19	1	1	1	185.1	40
P20	1	1	1	185.1	40
P21	1	1	1	185.1	40
P22	1	1	1	185.1	40
P23	1	1	1	185.1	40
P24	1	1	1	185.1	40
P25	1	1	1	185.1	40
P26	1	1	1	185.1	40
P27	1	1	1	185.1	40
P28	1	1	1	185.1	40
P29	1	1	1	185.1	40
P30	1	1	1	185.1	40
P31	1	1	1	185.1	40
P32	1	1	1	185.1	40
P33	1	1	1	185.1	40
P34	1	1	1	185.1	40
P35	1	1	1	185.1	40
P36	1	1	1	185.1	40
P37	1	1	1	185.1	40
P38	1	1	1	185.1	40
P39	1	1	1	185.1	40
P40	1	1	1	185.1	40
P41	1	1	1	185.1	40
P42	1	1	1	185.1	40
P43	1	1	1	185.1	40
P44	1	1	1	185.1	40
P45	1	1	1	185.1	40
P46	1	1	1	185.1	40
P47	1	1	1	185.1	40
P48	1	1	1	185.1	40
P49	1	1	1	185.1	40
P50	1	1	1	185.1	40

Elemento	Pos.	Dim.	No.	Long. (cm)	Peso-100N (kg)
P1	1	1	1	185.1	40
P2	1	1	1	185.1	40
P3	1	1	1	185.1	40
P4	1	1	1	185.1	40
P5	1	1	1	185.1	40
P6	1	1	1	185.1	40
P7	1	1	1	185.1	40
P8	1	1	1	185.1	40
P9	1	1	1	185.1	40
P10	1	1	1	185.1	40
P11	1	1	1	185.1	40
P12	1	1	1	185.1	40
P13	1	1	1	185.1	40
P14	1	1	1	185.1	40
P15	1	1	1	185.1	40
P16	1	1	1	185.1	40
P17	1	1	1	185.1	40
P18	1	1	1	185.1	40
P19	1	1	1	185.1	40
P20	1	1	1	185.1	40
P21	1	1	1	185.1	40
P22	1	1	1	185.1	40
P23	1	1	1	185.1	40
P24	1	1	1	185.1	40
P25	1	1	1	185.1	40
P26	1	1	1	185.1	40
P27	1	1	1	185.1	40
P28	1	1	1	185.1	40
P29	1	1	1	185.1	40
P30	1	1	1	185.1	40
P31	1	1	1	185.1	40
P32	1	1	1	185.1	40
P33	1	1	1	185.1	40
P34	1	1	1	185.1	40
P35	1	1	1	185.1	40
P36	1	1	1	185.1	40
P37	1	1	1	185.1	40
P38	1	1	1	185.1	40
P39	1	1	1	185.1	40
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P41	1	1	1	185.1	40
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P43	1	1	1	185.1	40
P44	1	1	1	185.1	40
P45	1	1	1	185.1	40
P46	1	1	1	185.1	40
P47	1	1	1	185.1	40
P48	1	1	1	185.1	40
P49	1	1	1	185.1	40
P50	1	1	1	185.1	40

ARMADURA DE ZAPATAS

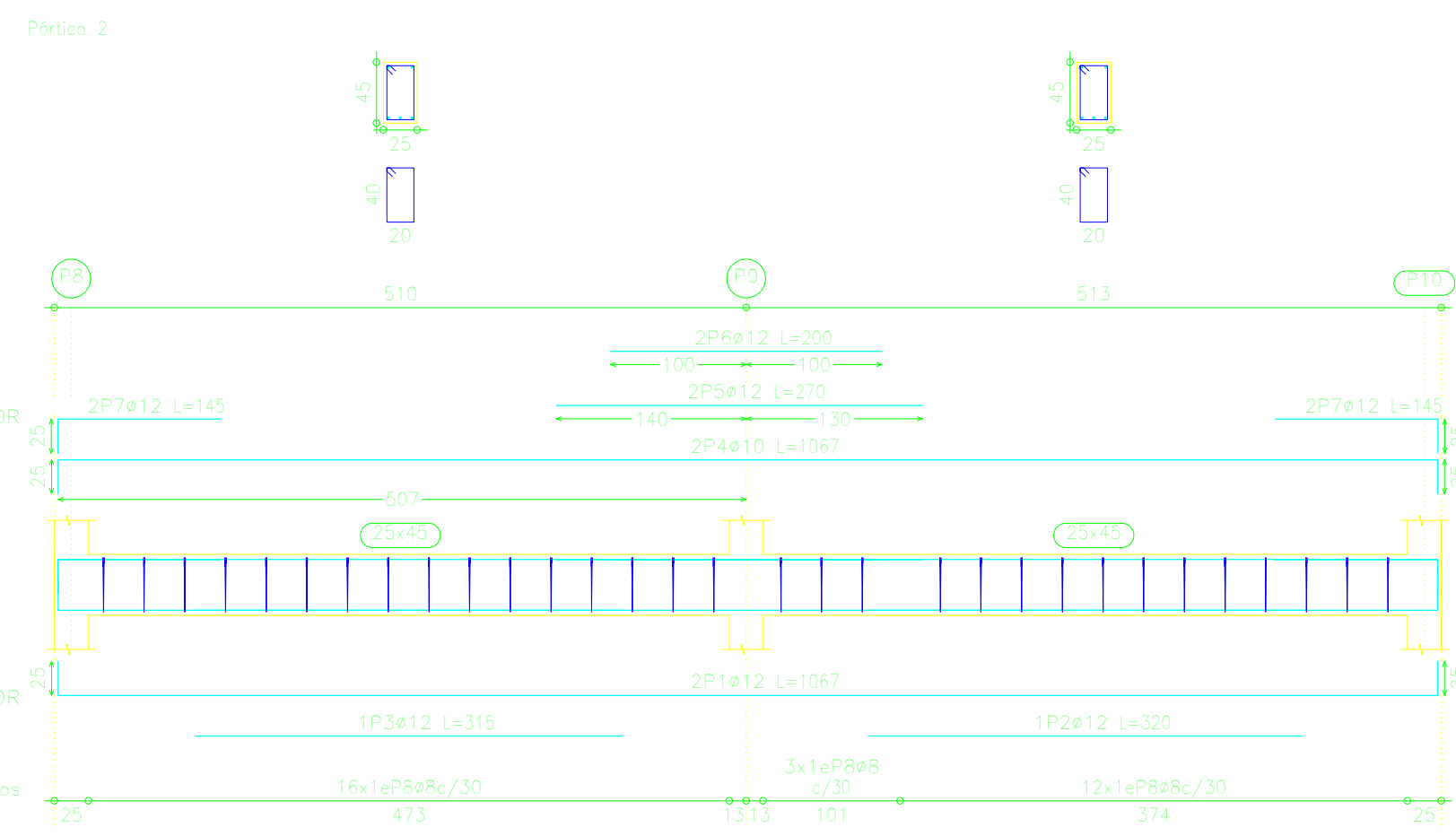


ARMADURA DE VIGAS-PLANTA BAJA

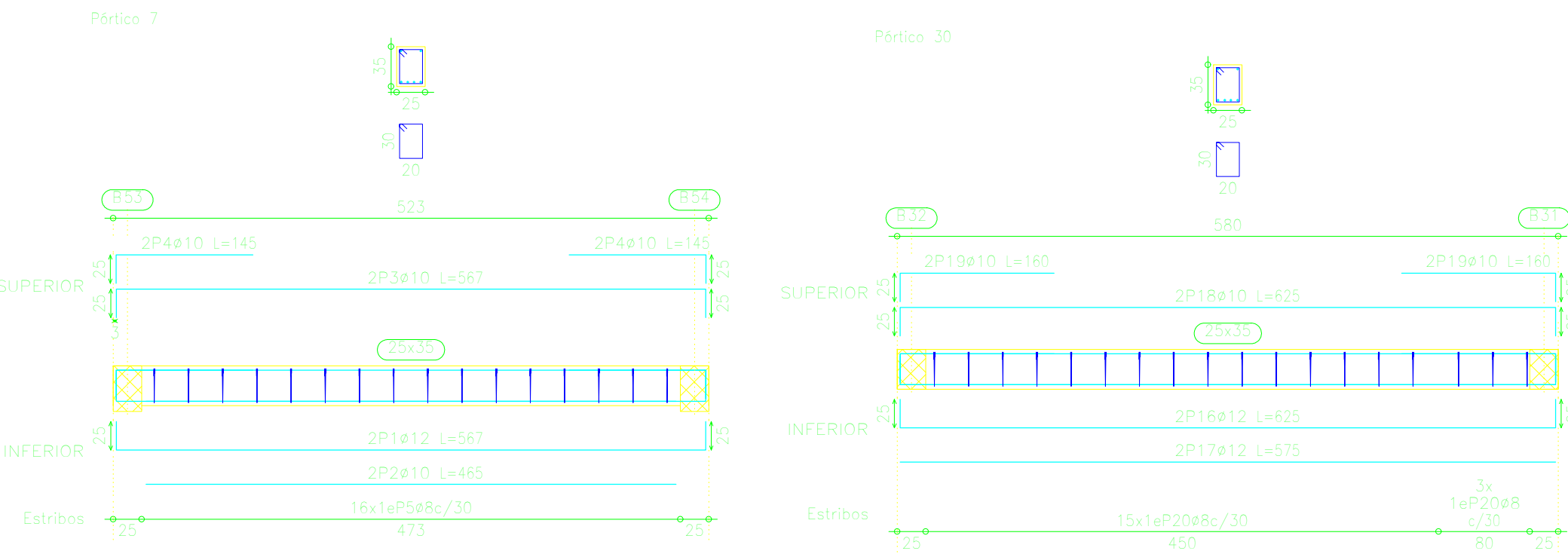
PLANTA BAJA
Detalle de vigas
Hormigón: H-25, Control Normal
Acero: AH-500C, Control Normal
Escala: 1:50

Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
AH-500C N	91.8	22	
Ø8	1467.7	646	
Ø10	1442.3	978	
Ø12	1350.8	1319	
Ø16	103.3	180	3145

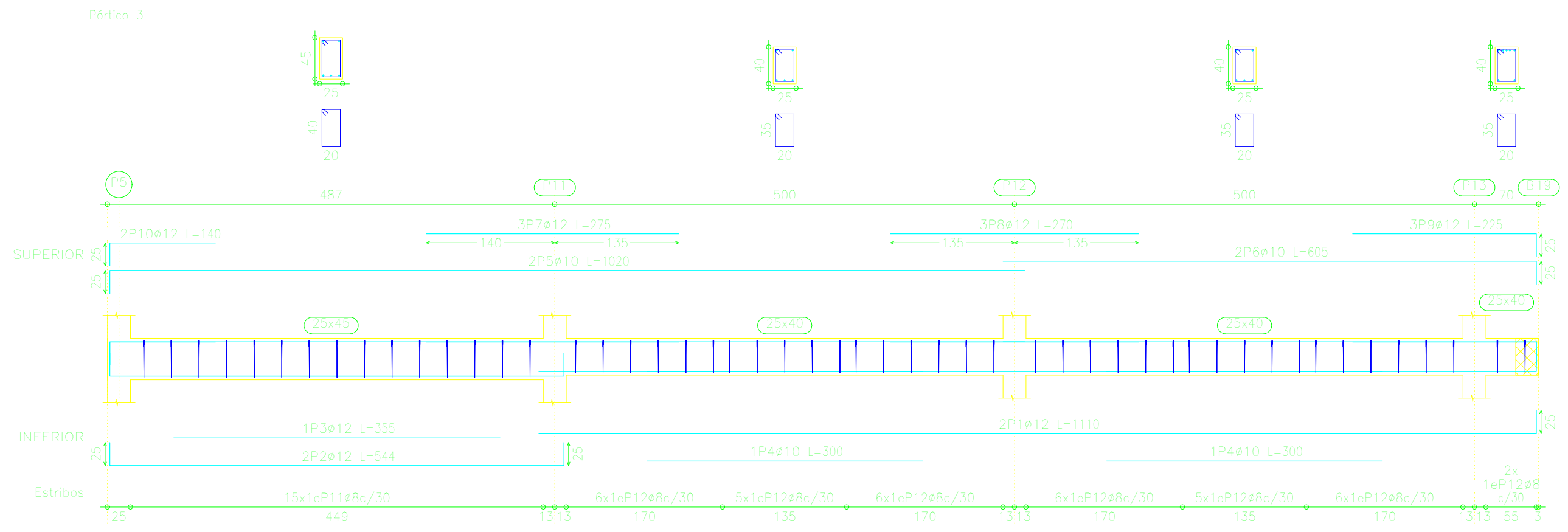
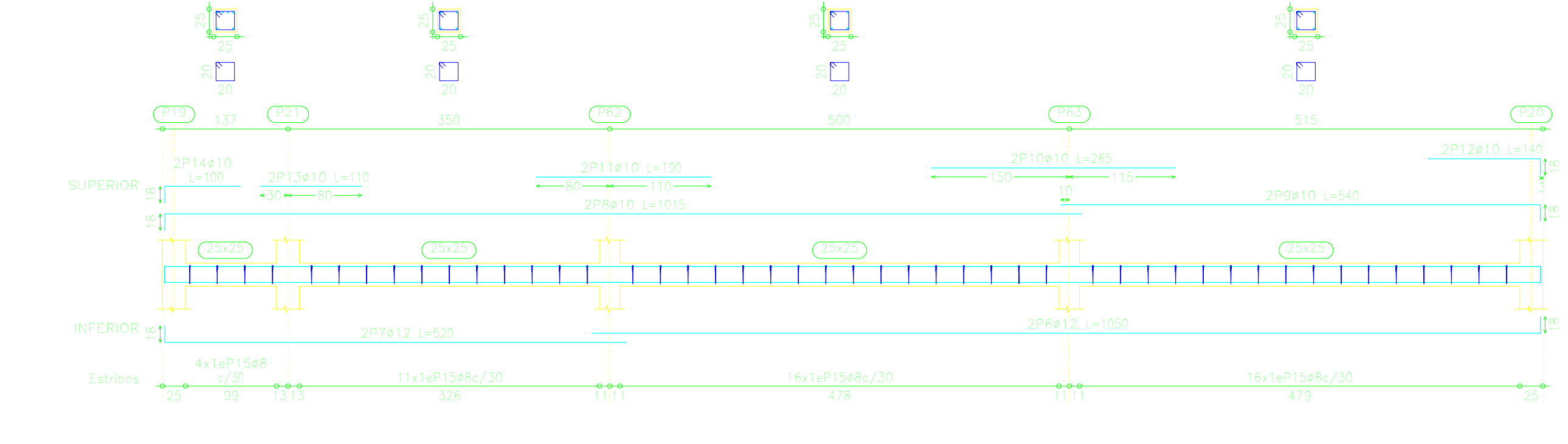
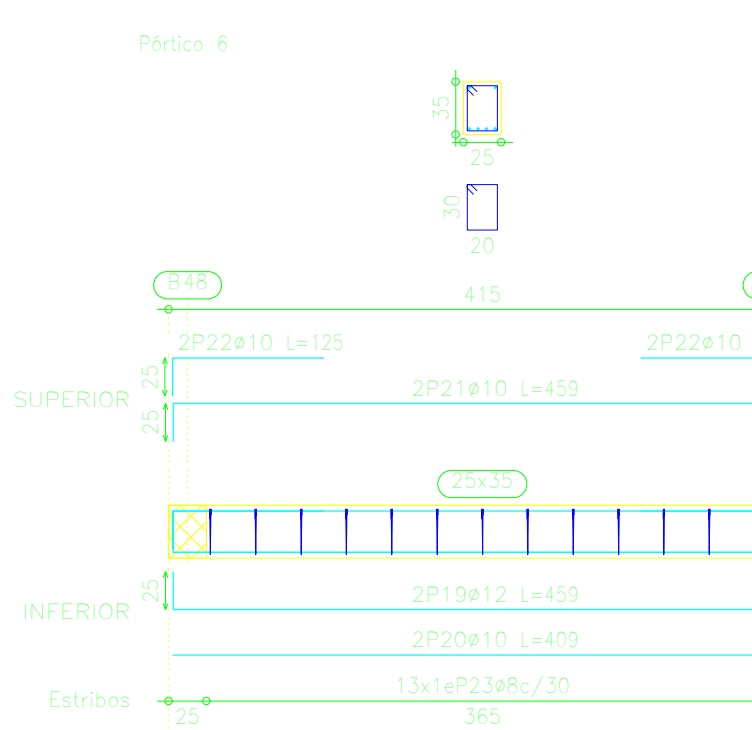
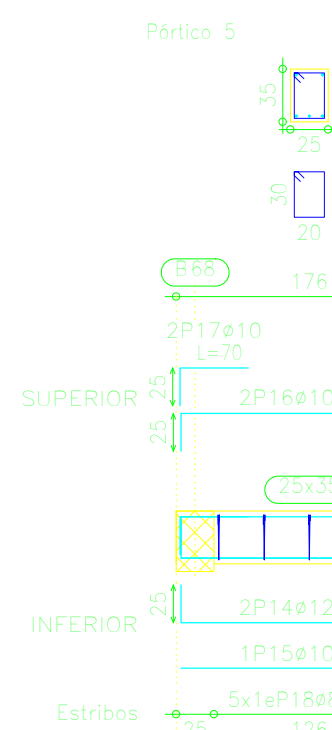
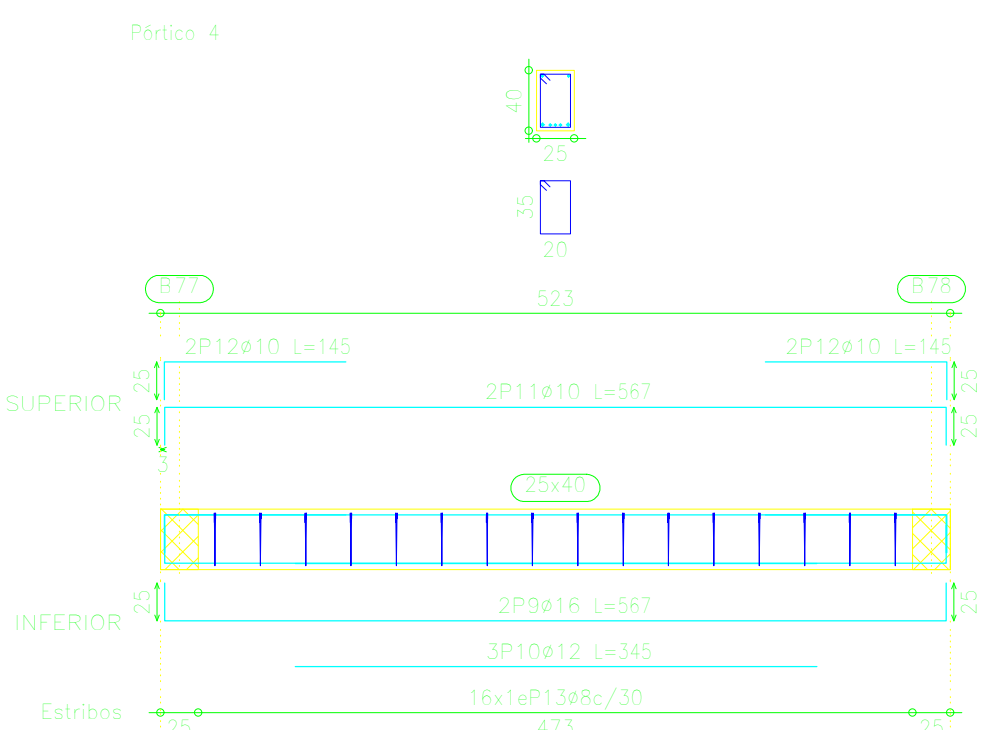
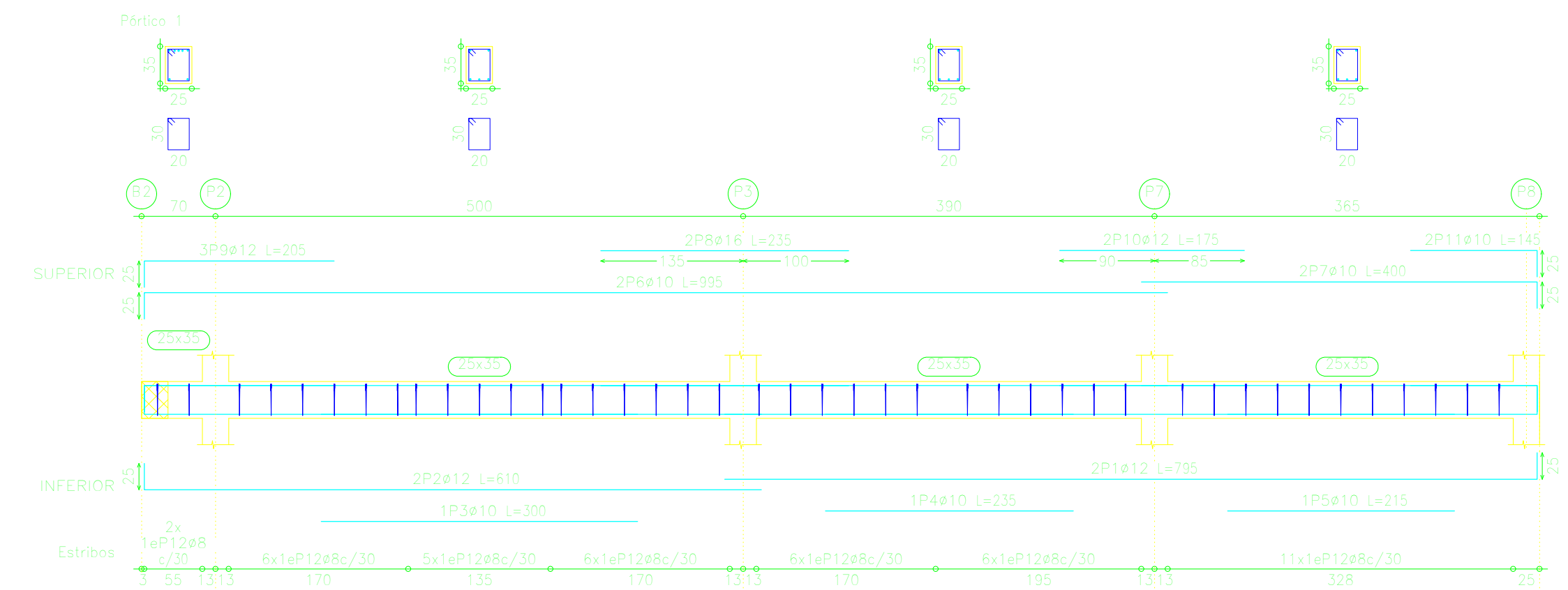
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 1	1	Ø8	1	100	0.04	0.04
			2	100	0.04	0.04
			3	100	0.04	0.04
			4	100	0.04	0.04
			5	100	0.04	0.04
			6	100	0.04	0.04
			7	100	0.04	0.04
			8	100	0.04	0.04
			9	100	0.04	0.04
			10	100	0.04	0.04
Piso 2	2	Ø8	11	100	0.04	0.04
			12	100	0.04	0.04
			13	100	0.04	0.04
			14	100	0.04	0.04
			15	100	0.04	0.04
			16	100	0.04	0.04
			17	100	0.04	0.04
			18	100	0.04	0.04
			19	100	0.04	0.04
			20	100	0.04	0.04



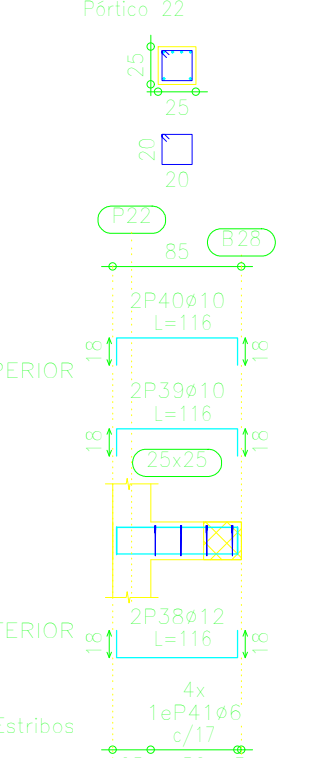
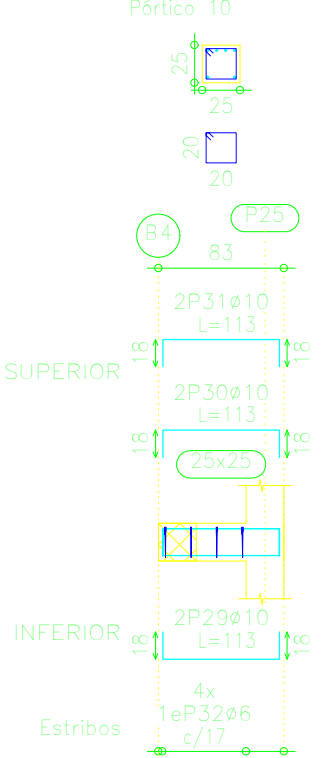
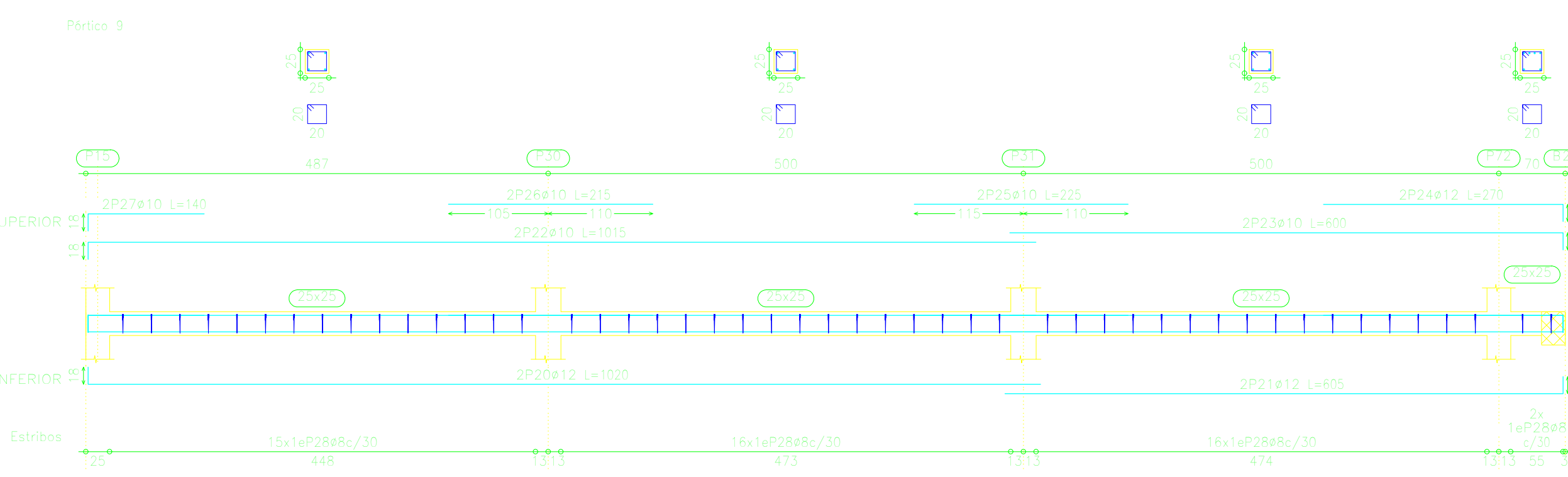
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 3	3	Ø8	21	100	0.04	0.04
			22	100	0.04	0.04
			23	100	0.04	0.04
			24	100	0.04	0.04
			25	100	0.04	0.04
			26	100	0.04	0.04
			27	100	0.04	0.04
			28	100	0.04	0.04
			29	100	0.04	0.04
			30	100	0.04	0.04



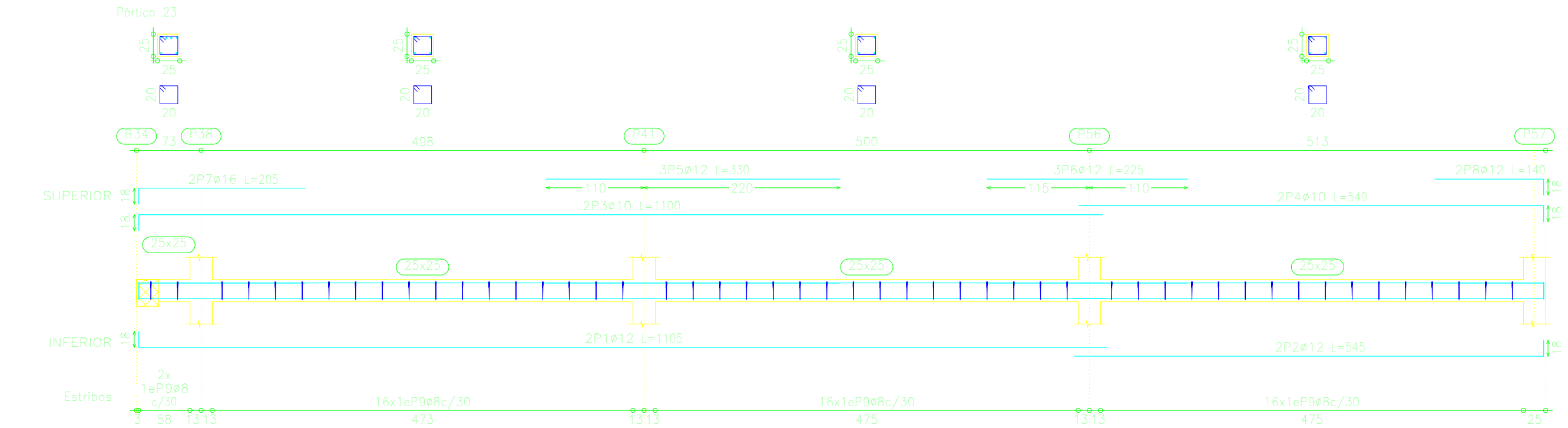
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 4	4	Ø8	31	100	0.04	0.04
			32	100	0.04	0.04
			33	100	0.04	0.04
			34	100	0.04	0.04
			35	100	0.04	0.04
			36	100	0.04	0.04
			37	100	0.04	0.04
			38	100	0.04	0.04
			39	100	0.04	0.04
			40	100	0.04	0.04



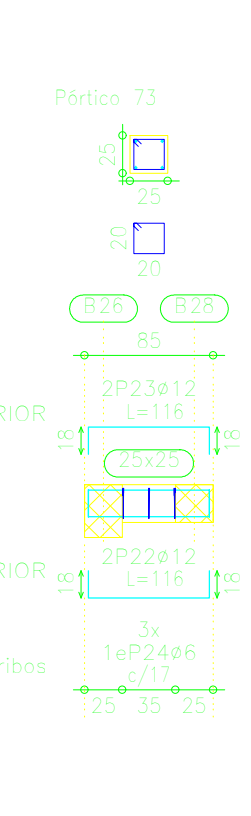
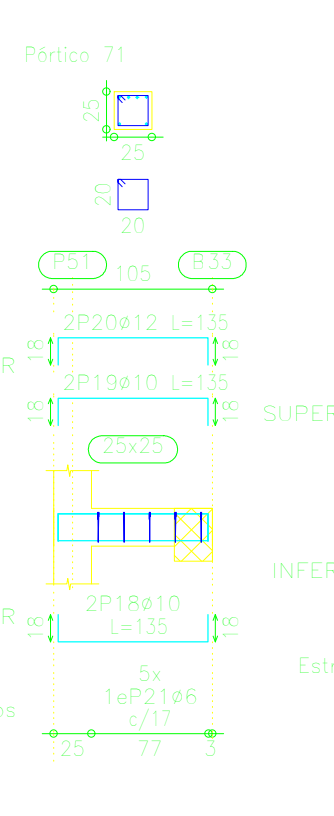
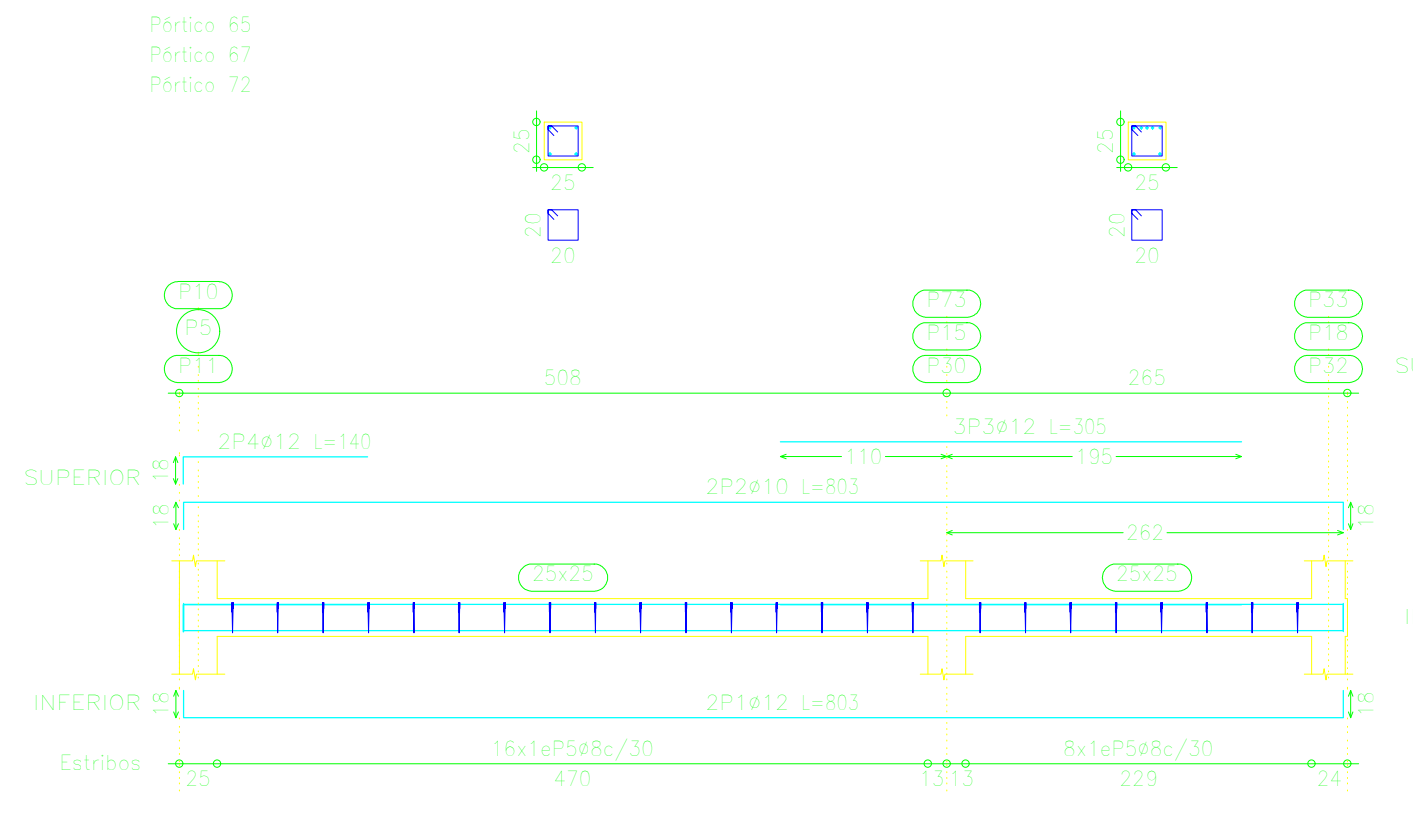
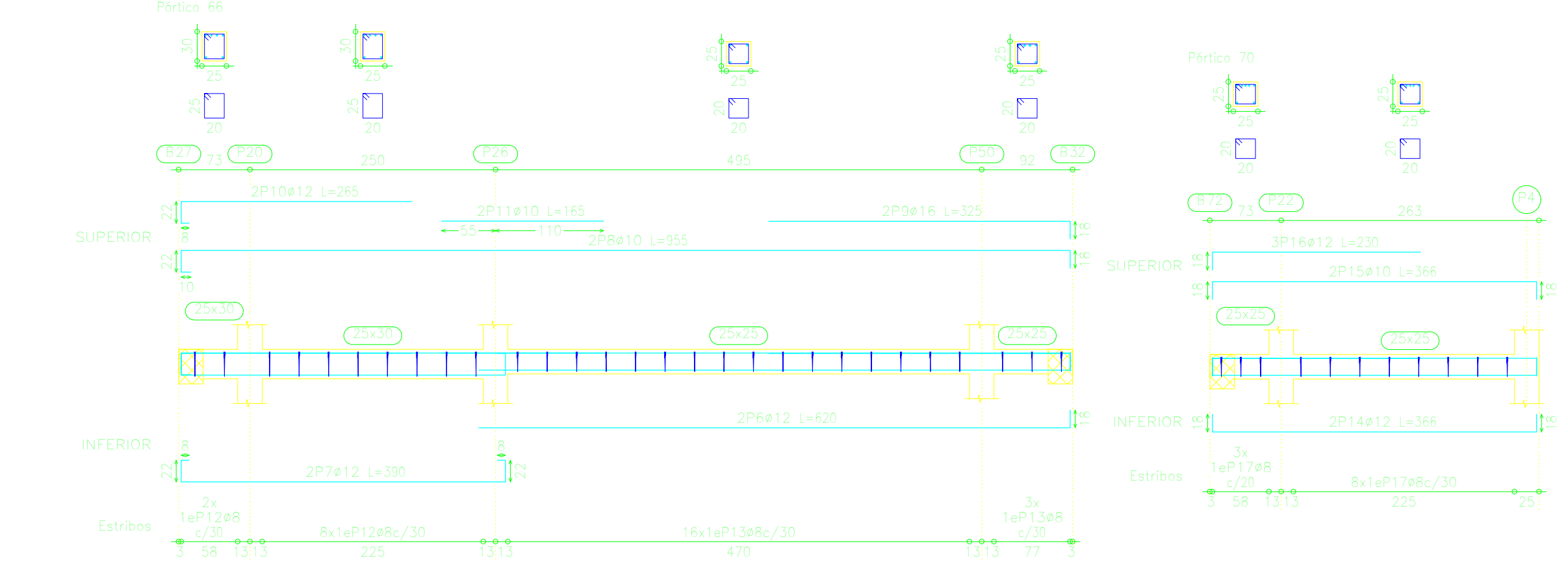
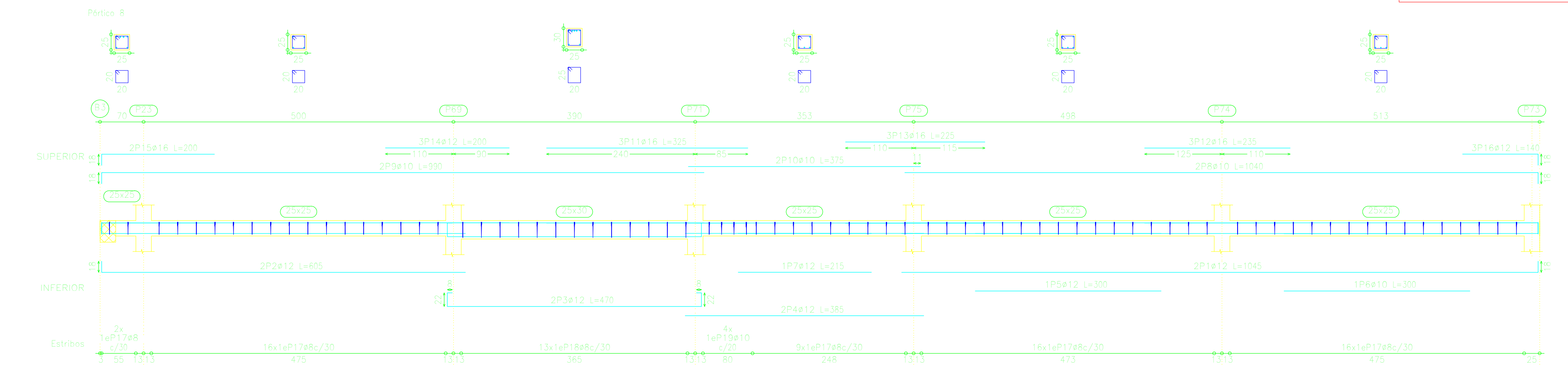
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 7	7	Ø8	41	100	0.04	0.04
			42	100	0.04	0.04
			43	100	0.04	0.04
			44	100	0.04	0.04
			45	100	0.04	0.04
			46	100	0.04	0.04
			47	100	0.04	0.04
			48	100	0.04	0.04
			49	100	0.04	0.04
			50	100	0.04	0.04



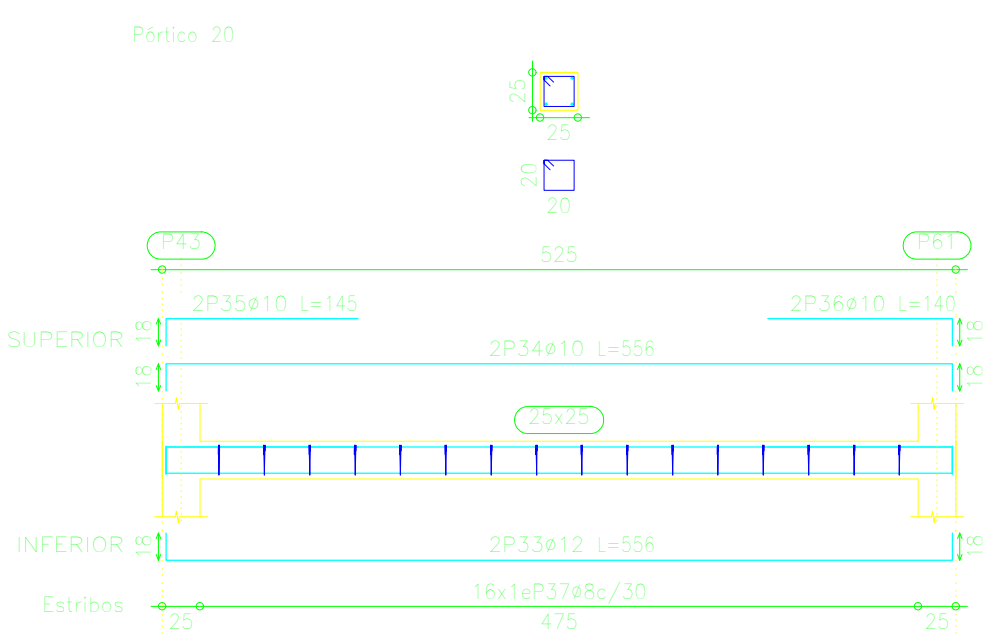
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 8	8	Ø8	51	100	0.04	0.04
			52	100	0.04	0.04
			53	100	0.04	0.04
			54	100	0.04	0.04
			55	100	0.04	0.04
			56	100	0.04	0.04
			57	100	0.04	0.04
			58	100	0.04	0.04
			59	100	0.04	0.04
			60	100	0.04	0.04



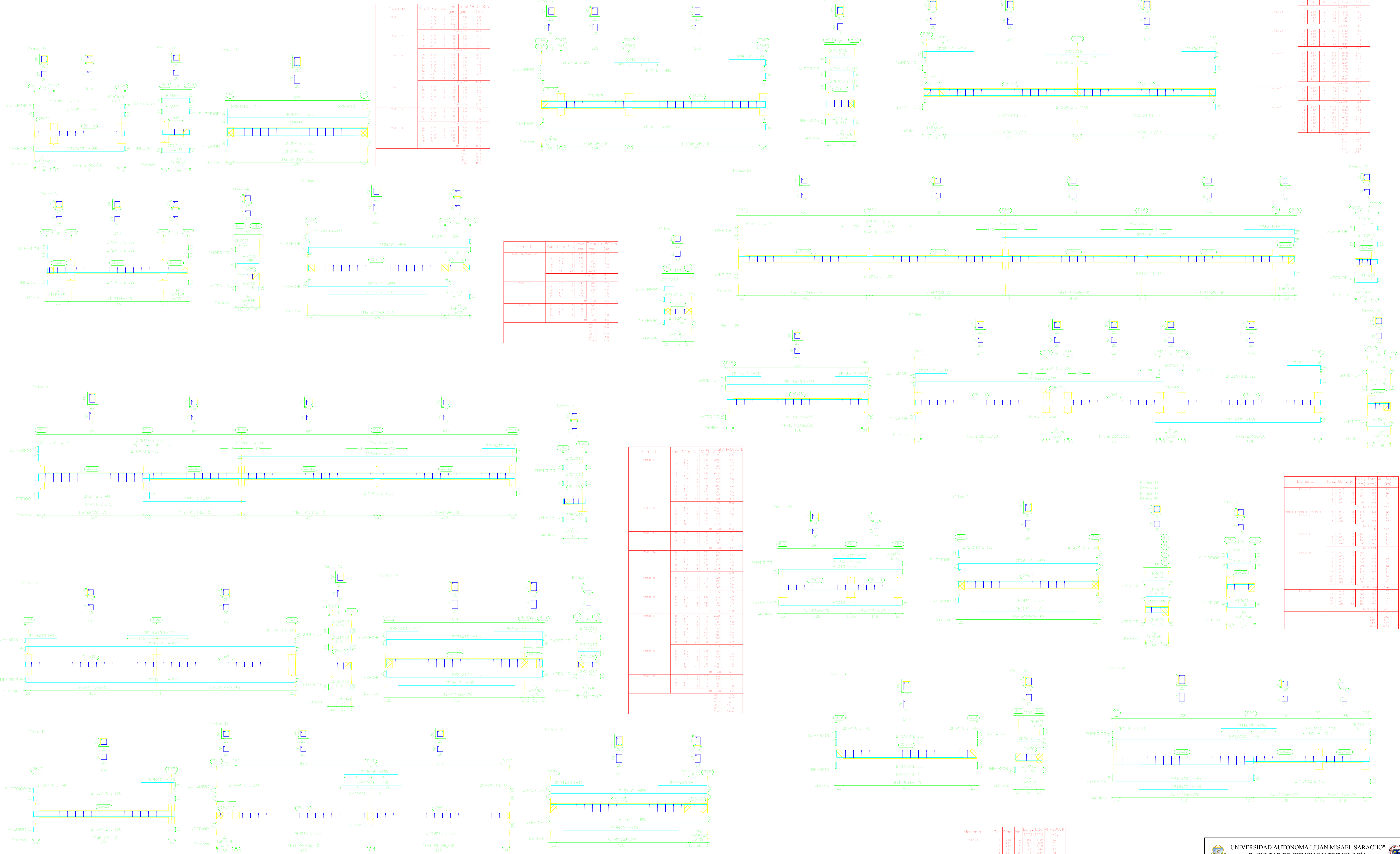
Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 11	11	Ø8	61	100	0.04	0.04
			62	100	0.04	0.04
			63	100	0.04	0.04
			64	100	0.04	0.04
			65	100	0.04	0.04
			66	100	0.04	0.04
			67	100	0.04	0.04
			68	100	0.04	0.04
			69	100	0.04	0.04
			70	100	0.04	0.04



Elemento	Pos.	Dím.	No.	Long. (cm)	Peso (kg)	AH-500C (kg)
Piso 12	12	Ø8	71	100	0.04	0.04
			72	100	0.04	0.04
			73	100	0.04	0.04
			74	100	0.04	0.04
			75	100	0.04	0.04
			76	100	0.04	0.04
			77	100	0.04	0.04
			78	100	0.04	0.04
			79	100	0.04	0.04
			80	100	0.04	0.04

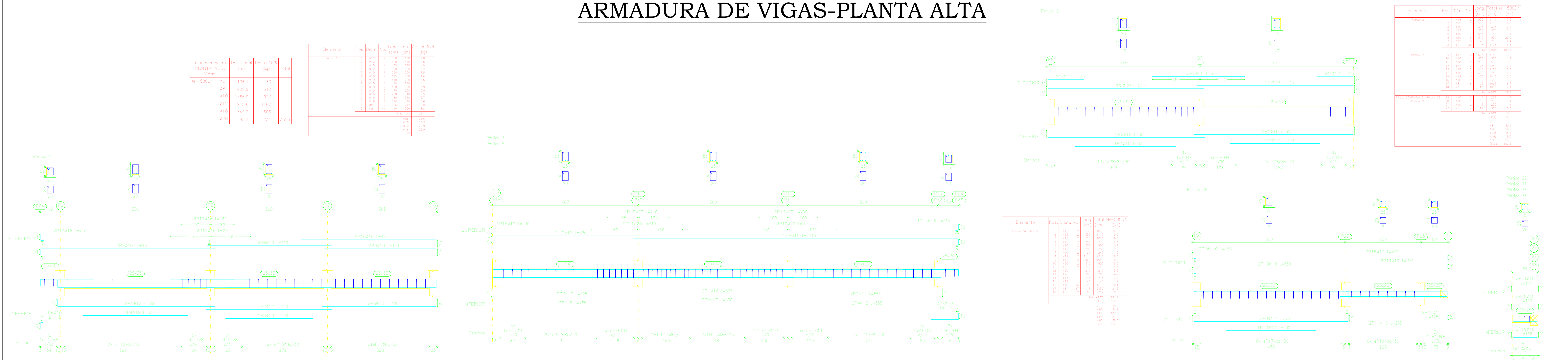


ARMADURA DE VIGAS-PLANTA BAJA

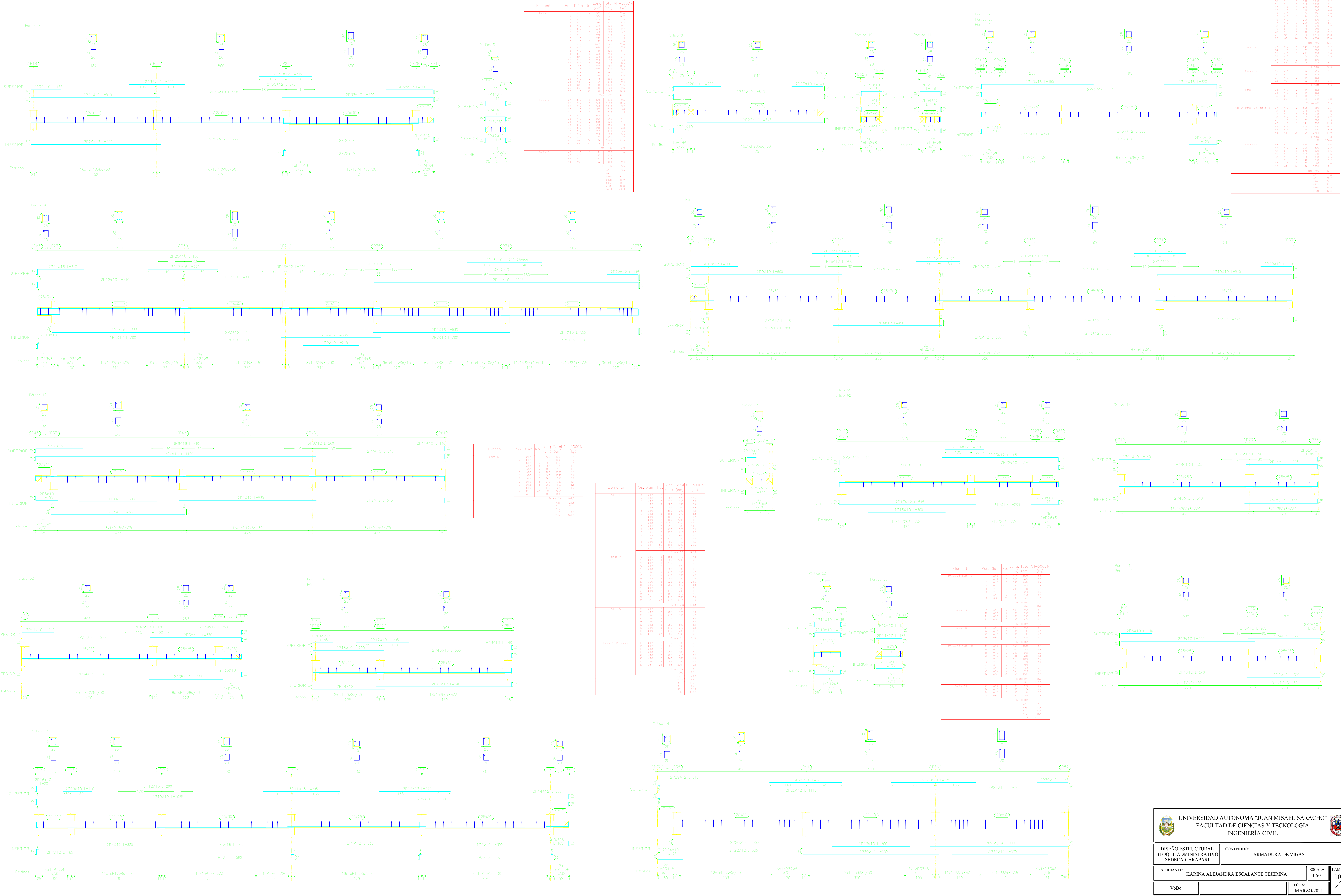


ARMADURA DE VIGAS-PLANTA BAJA

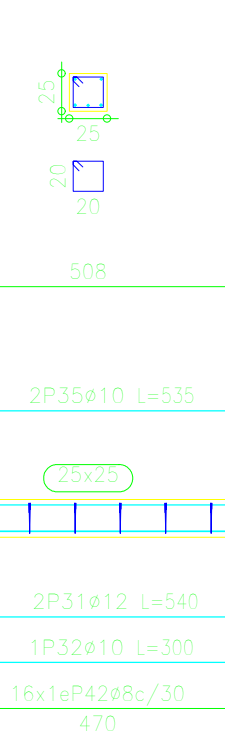
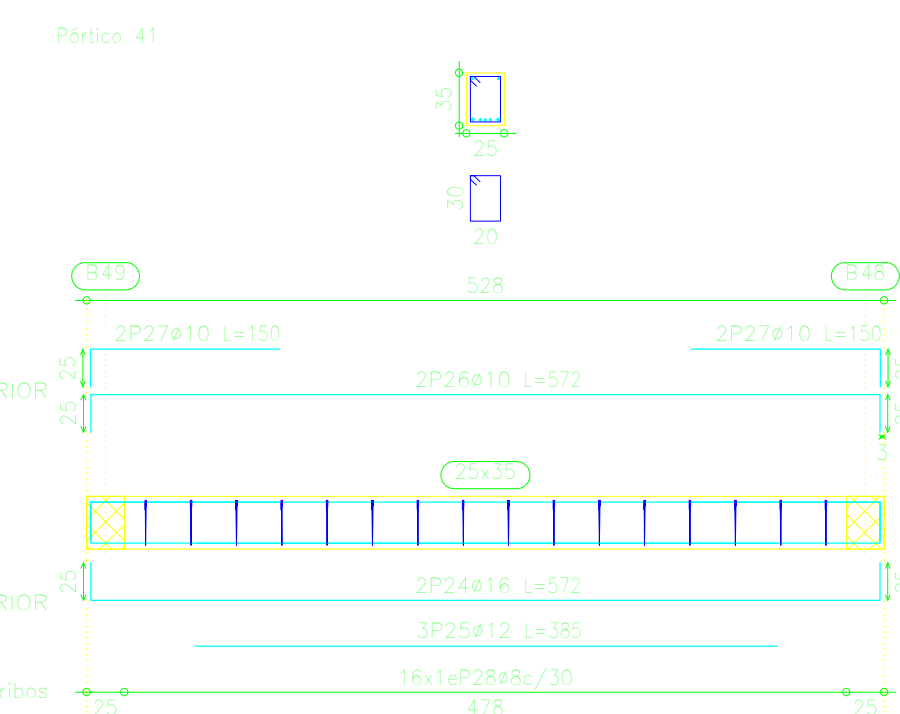
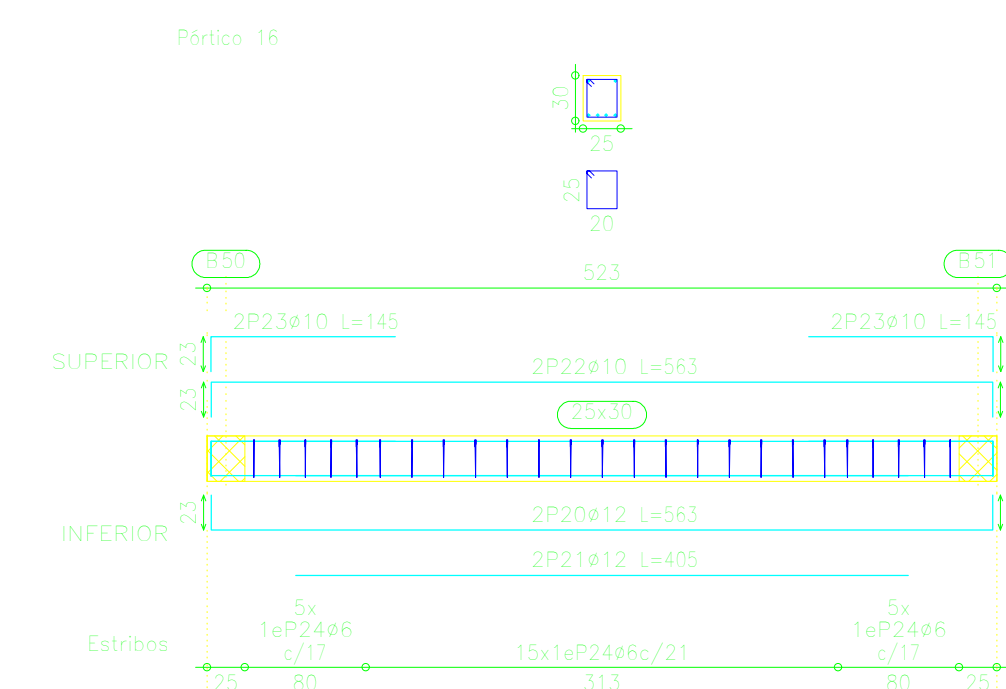
ARMADURA DE VIGAS-PLANTA ALTA



ARMADURA DE VIGAS-PLANTA ALTA



ARMADURA DE VIGAS-PLANTA ALTA

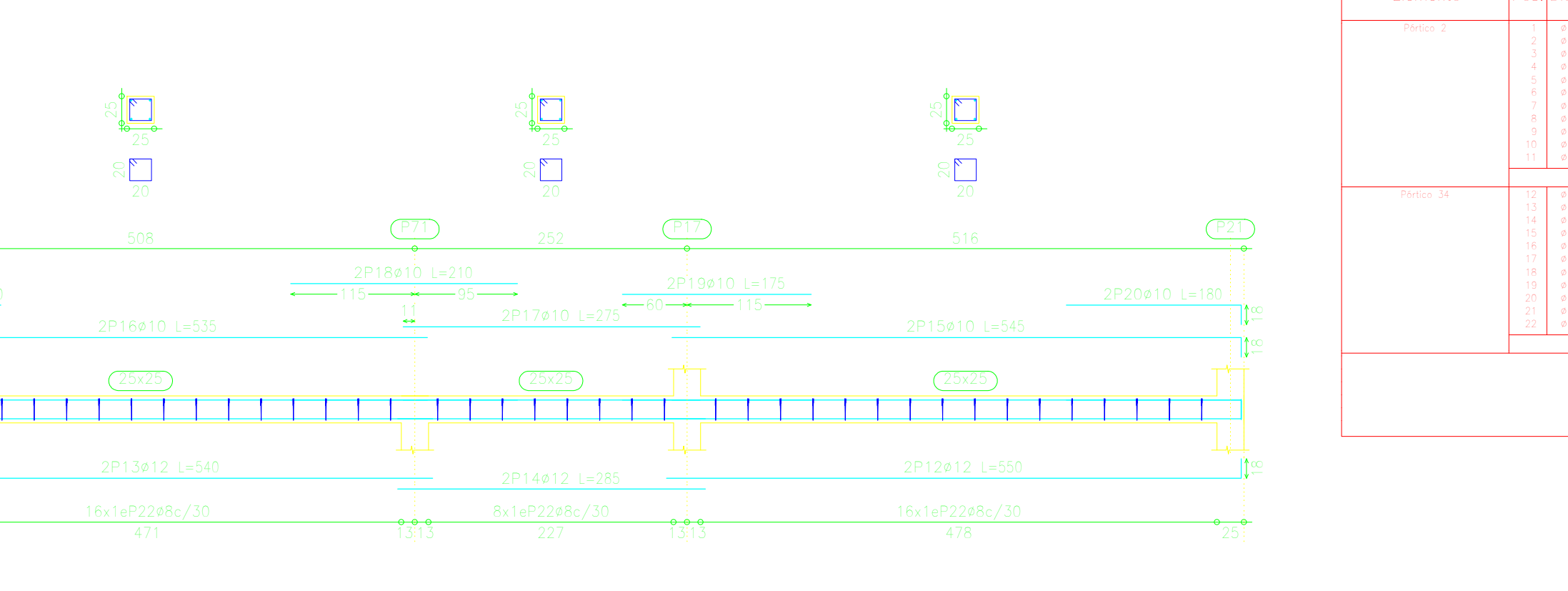
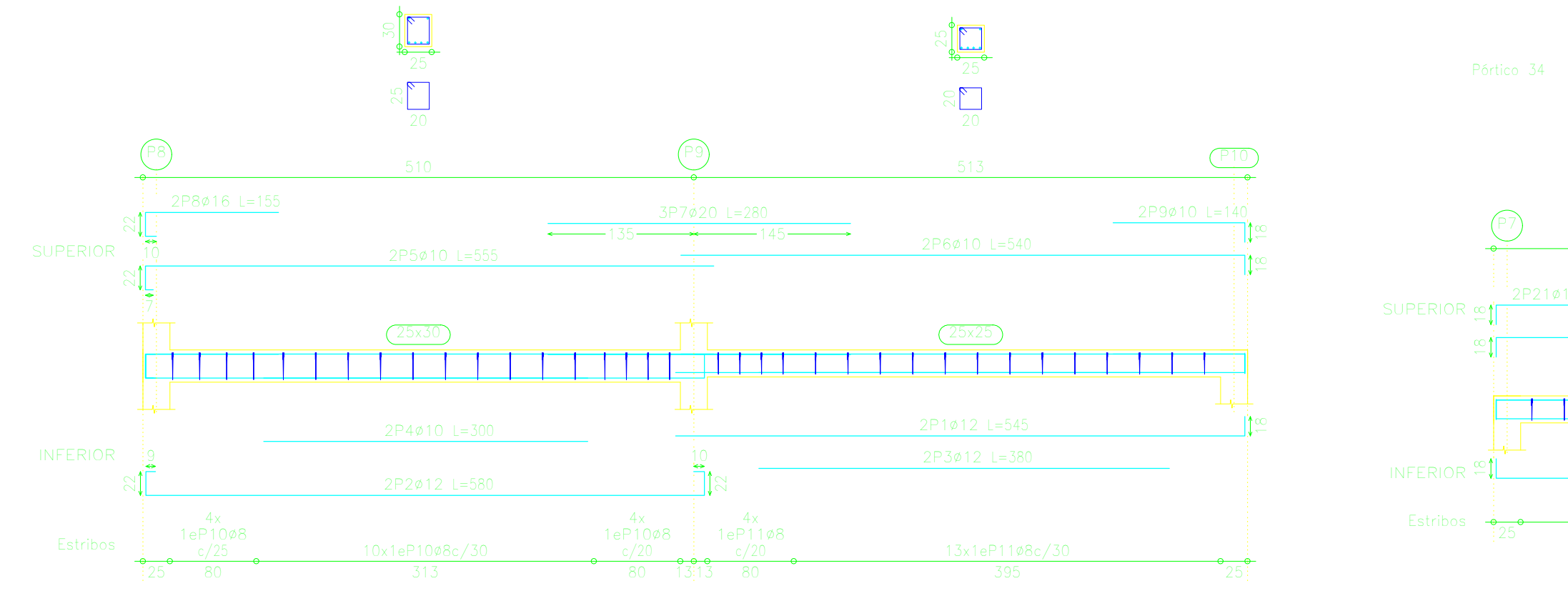
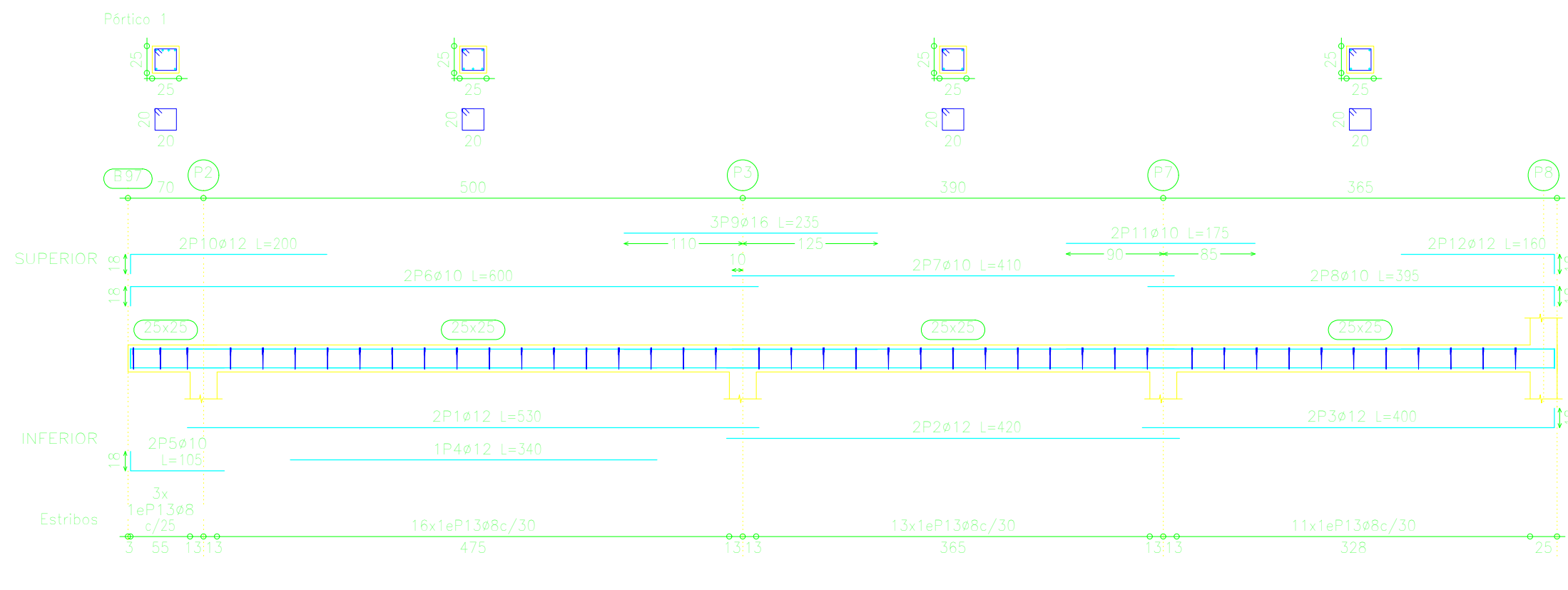
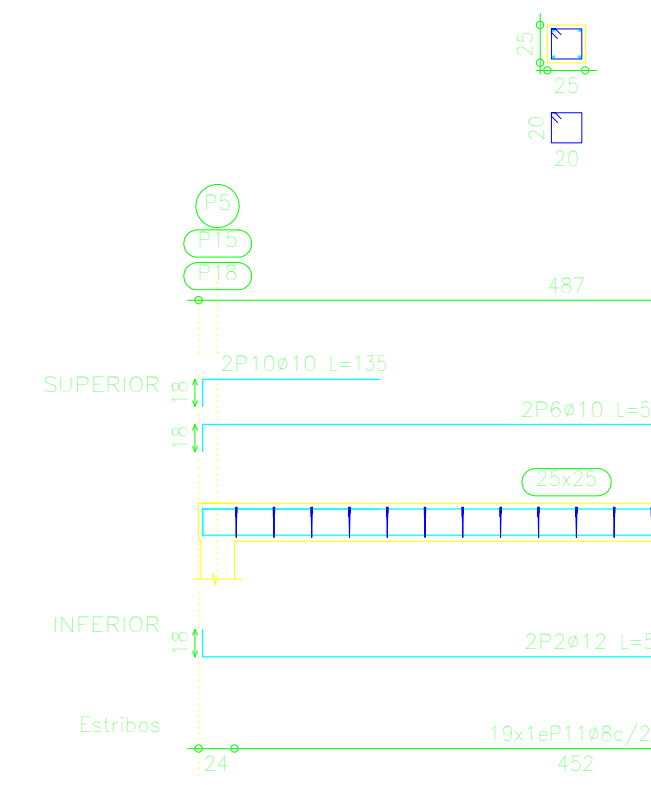


ARMADURA DE VIGAS-CUBIERTA

Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 1	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

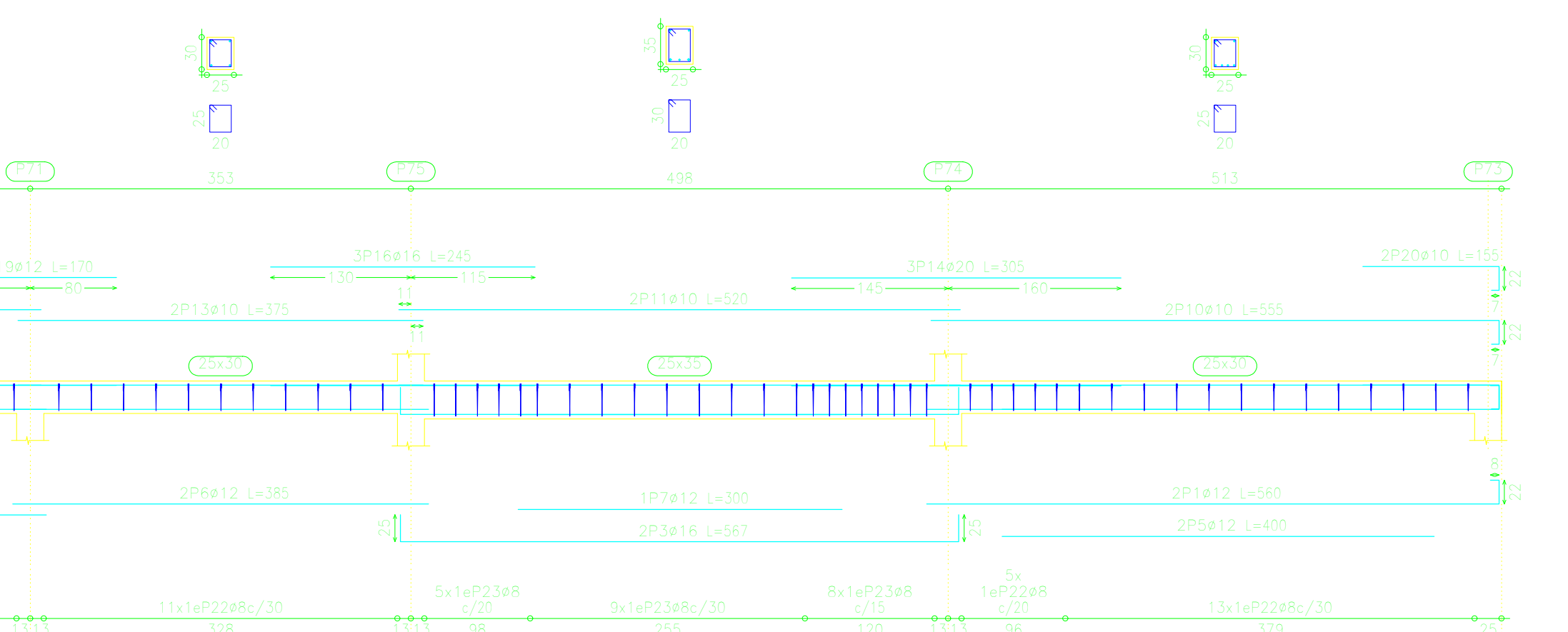
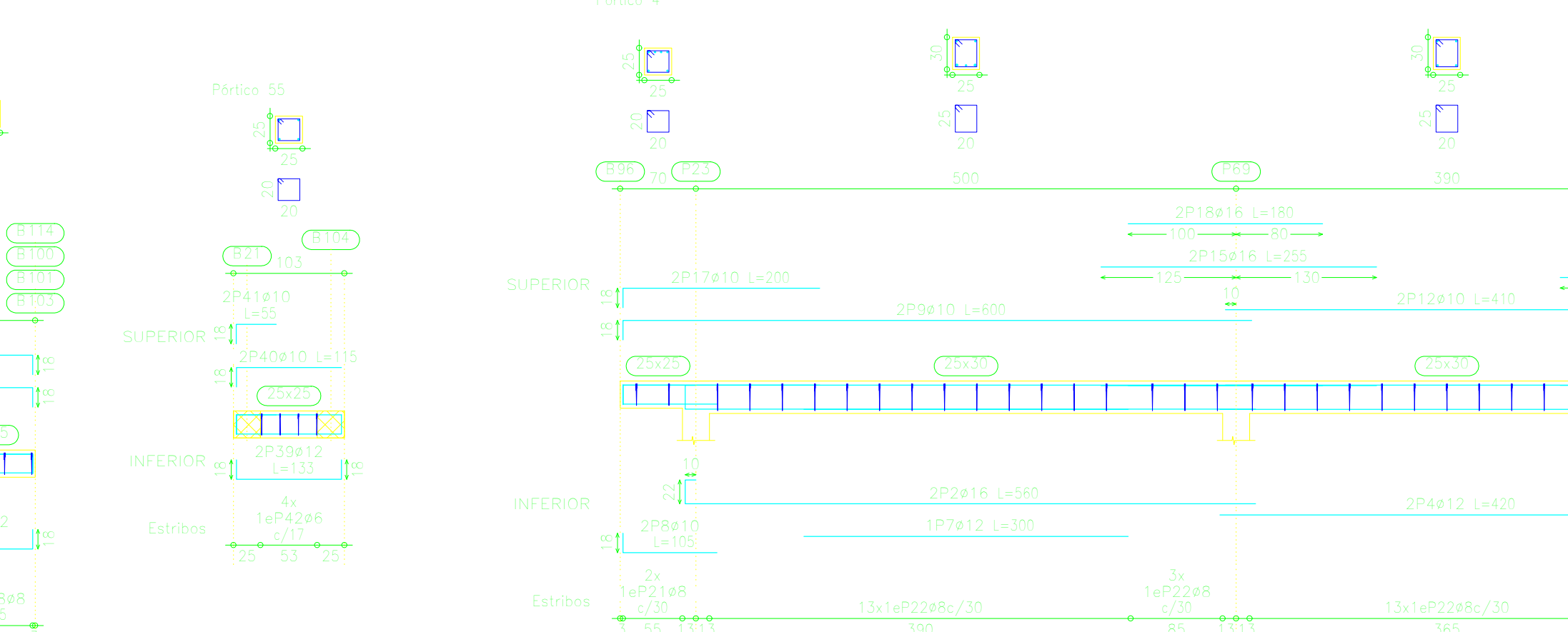
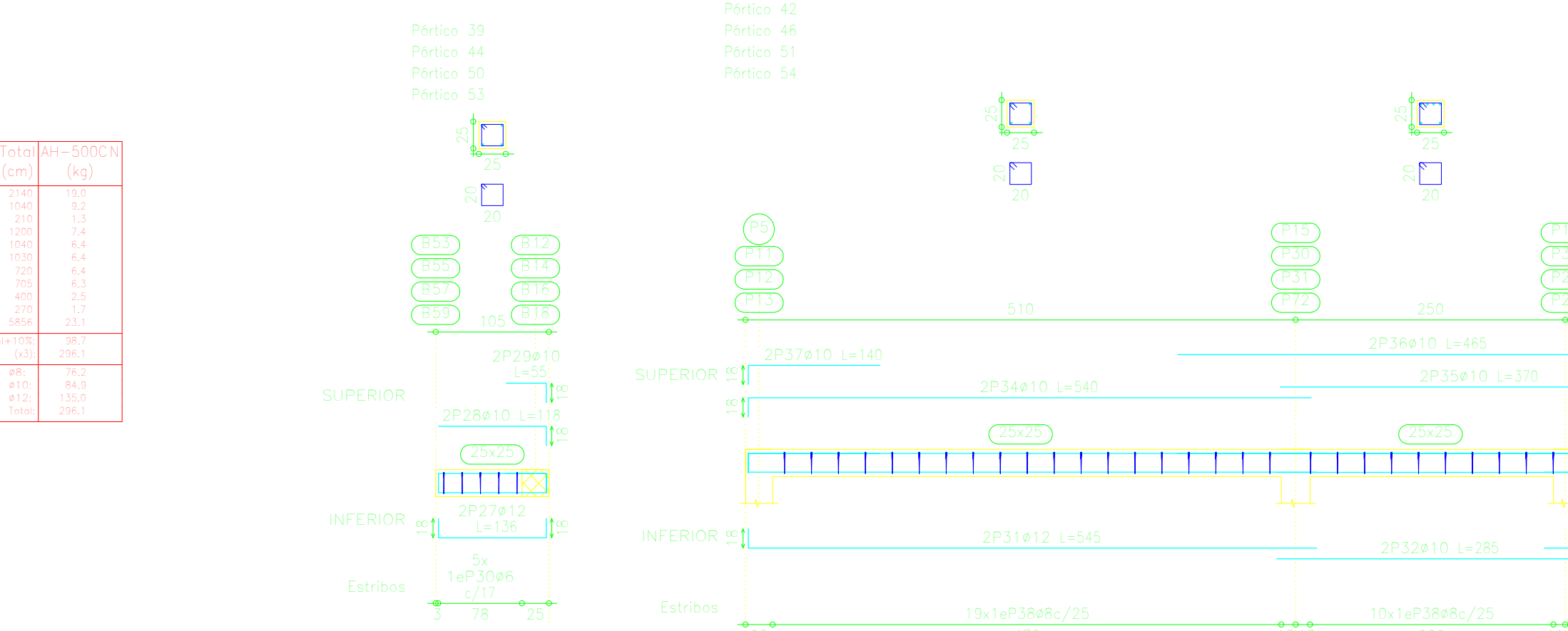
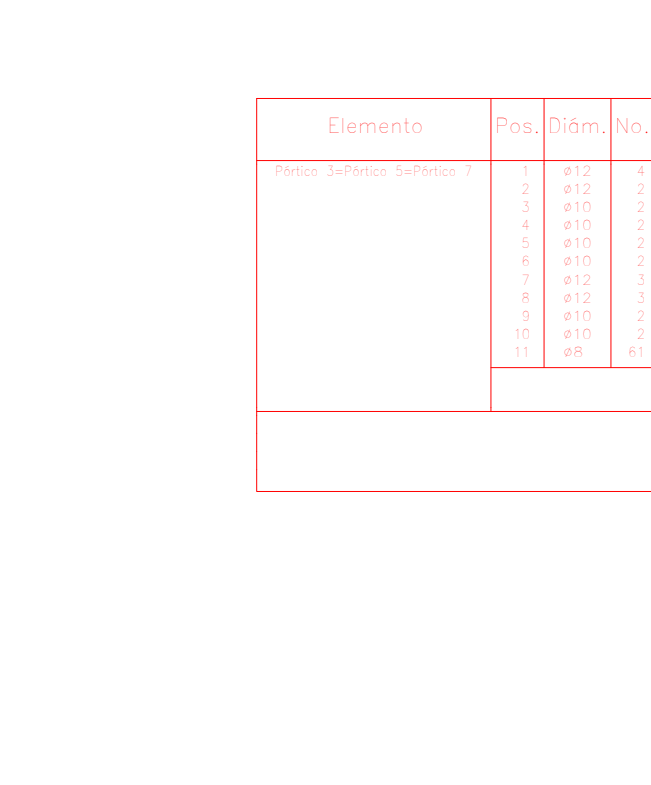
Resumen Acero CUBIERTA	Long. tota (m)	Peso+10% (kg)	Total
#6	168.1	41	
#8	1352.5	587	
#10	1422.7	965	
#12	1027.1	1003	
#16	174.1	302	
#20	17.6	48	2348

Punto 3
Punto 5
Punto 7



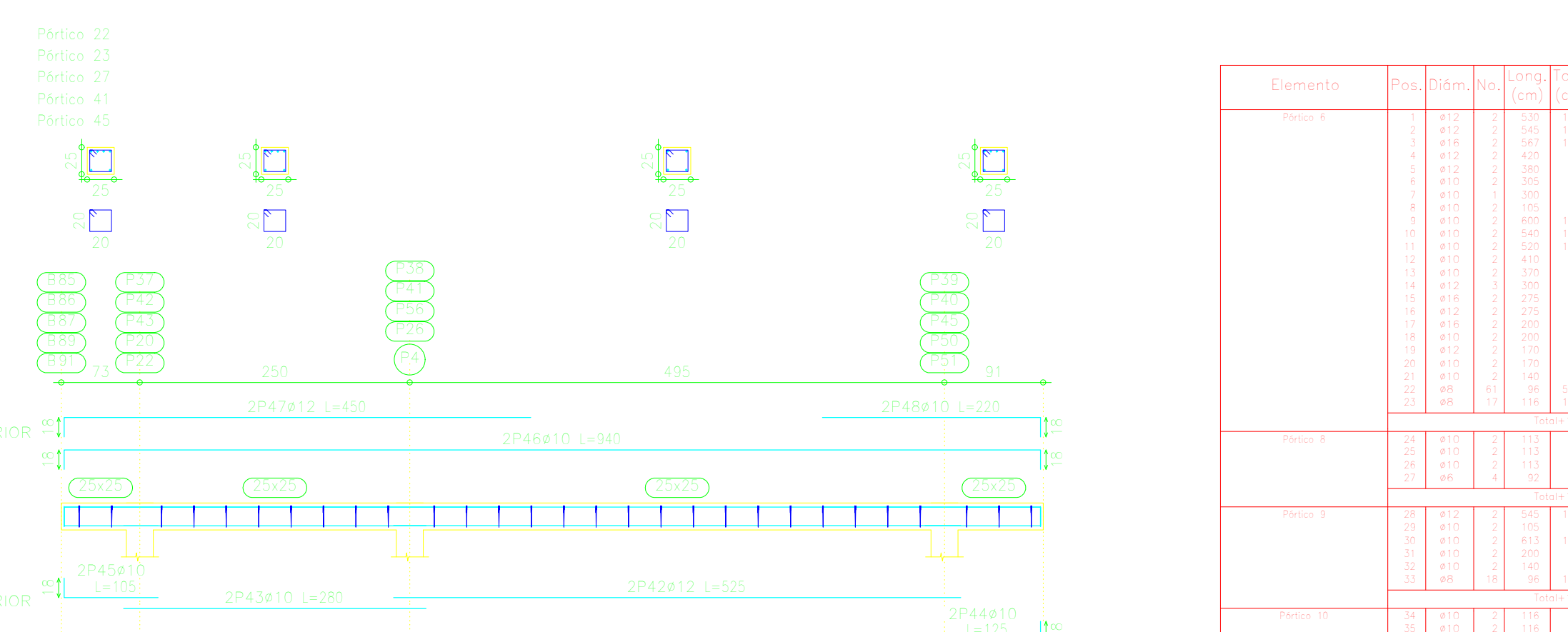
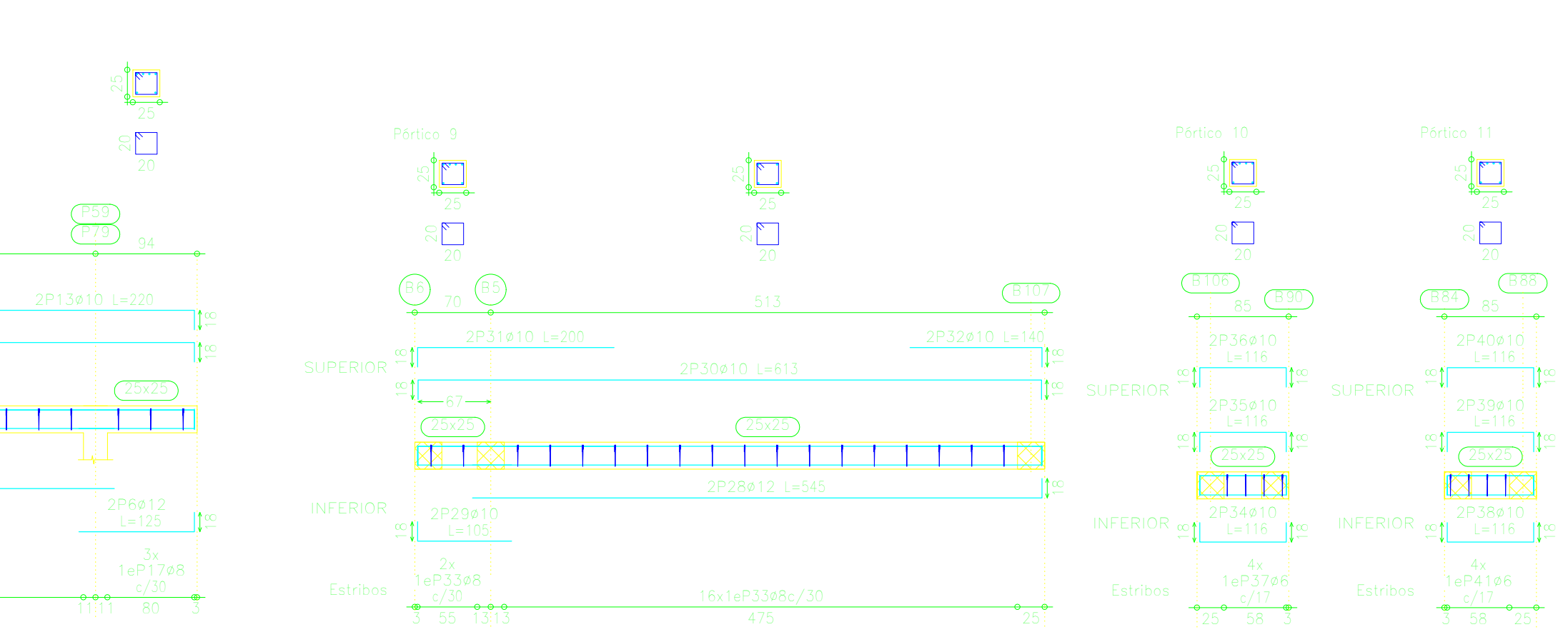
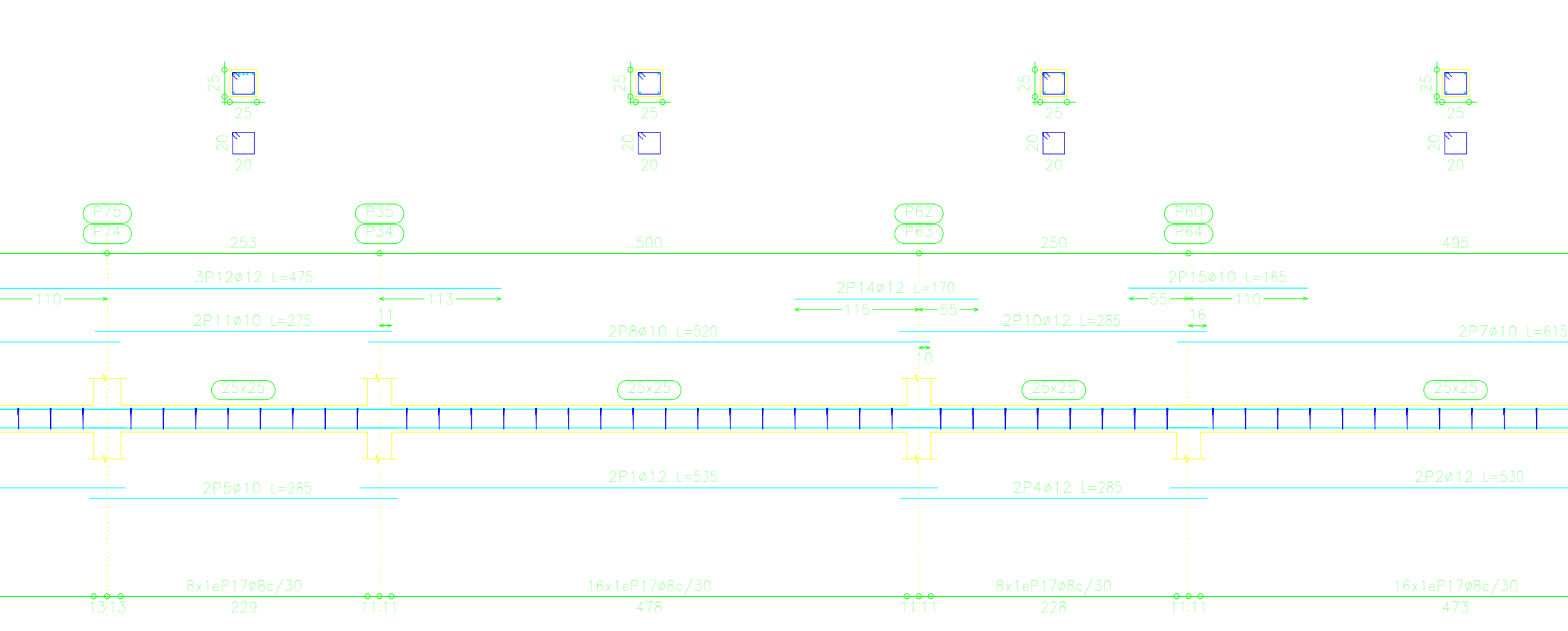
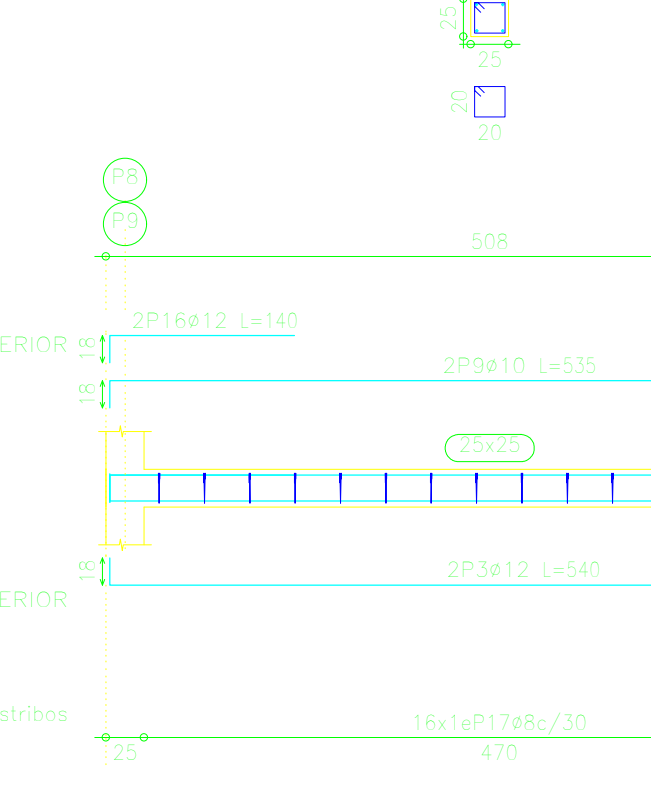
Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 5	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

Punto 35
Punto 37



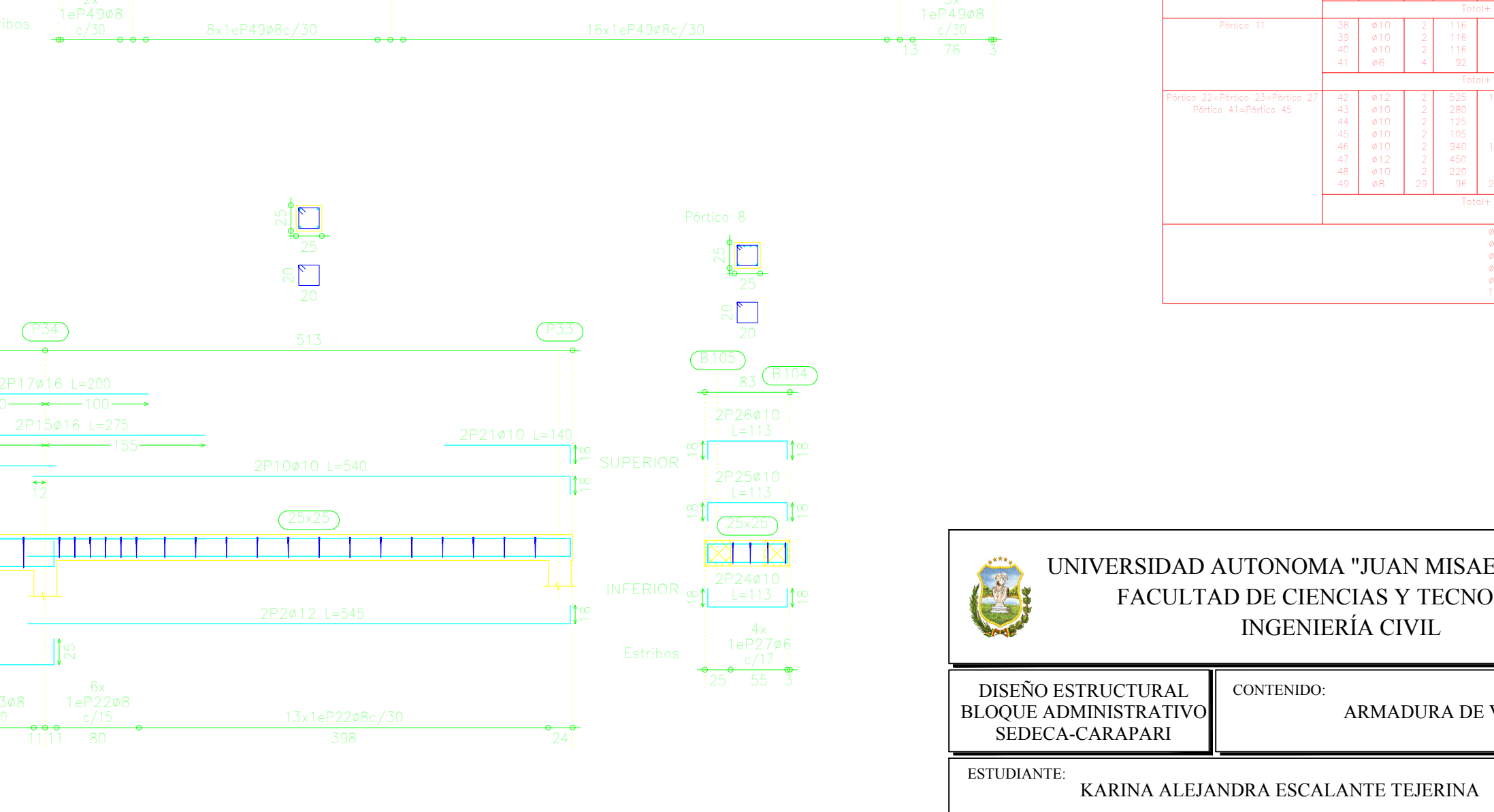
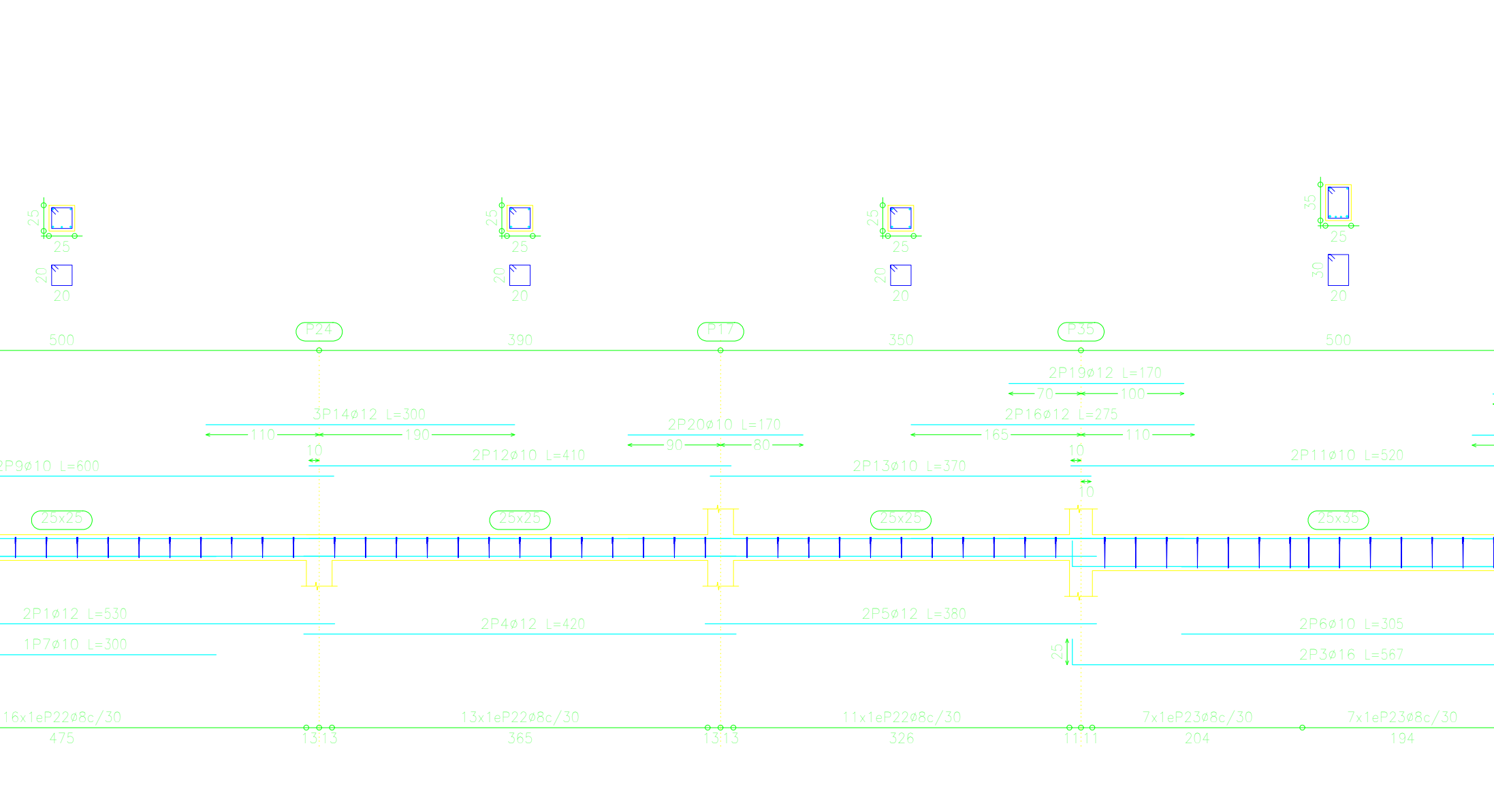
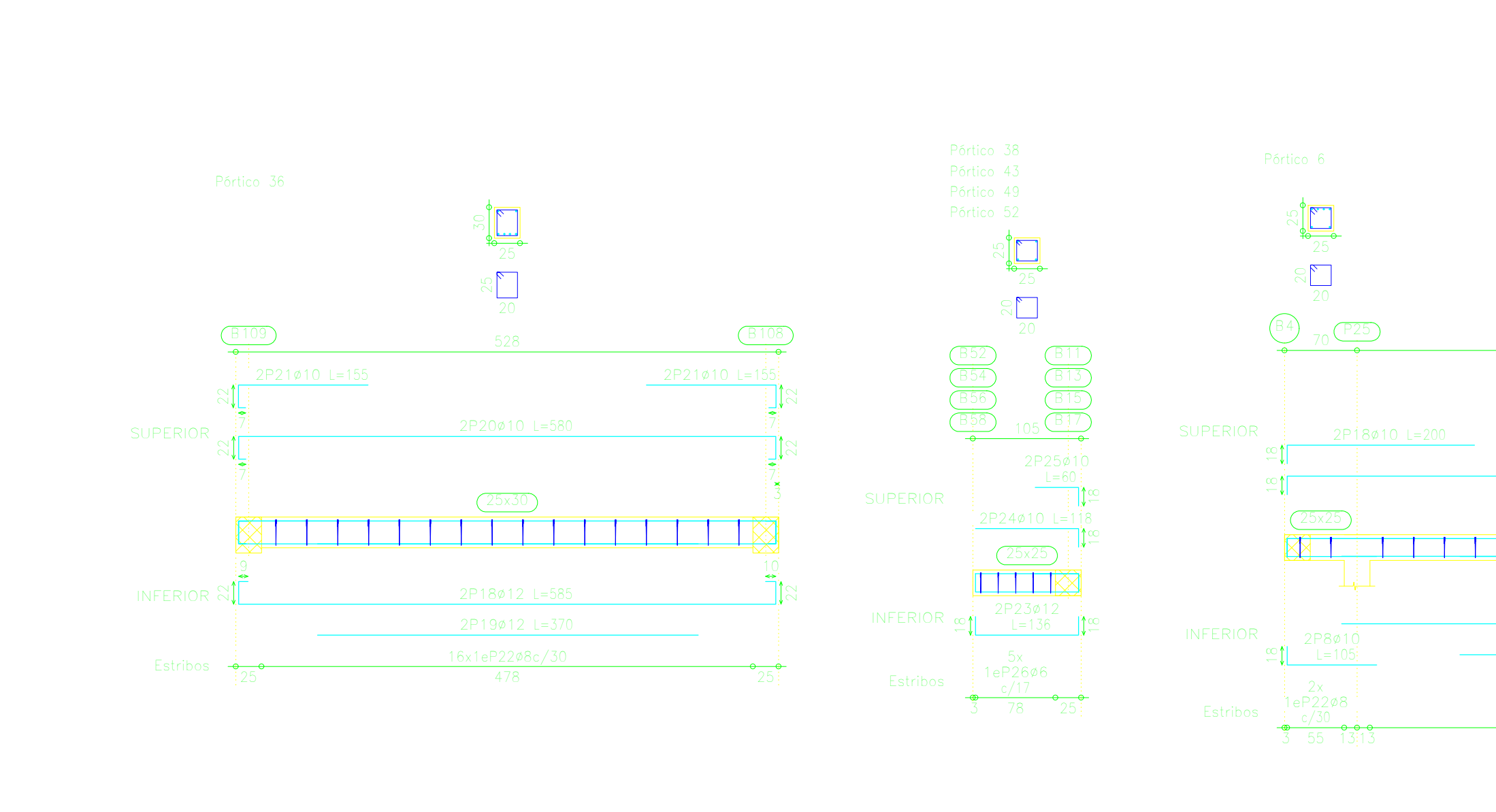
Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 39	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

Punto 35
Punto 37



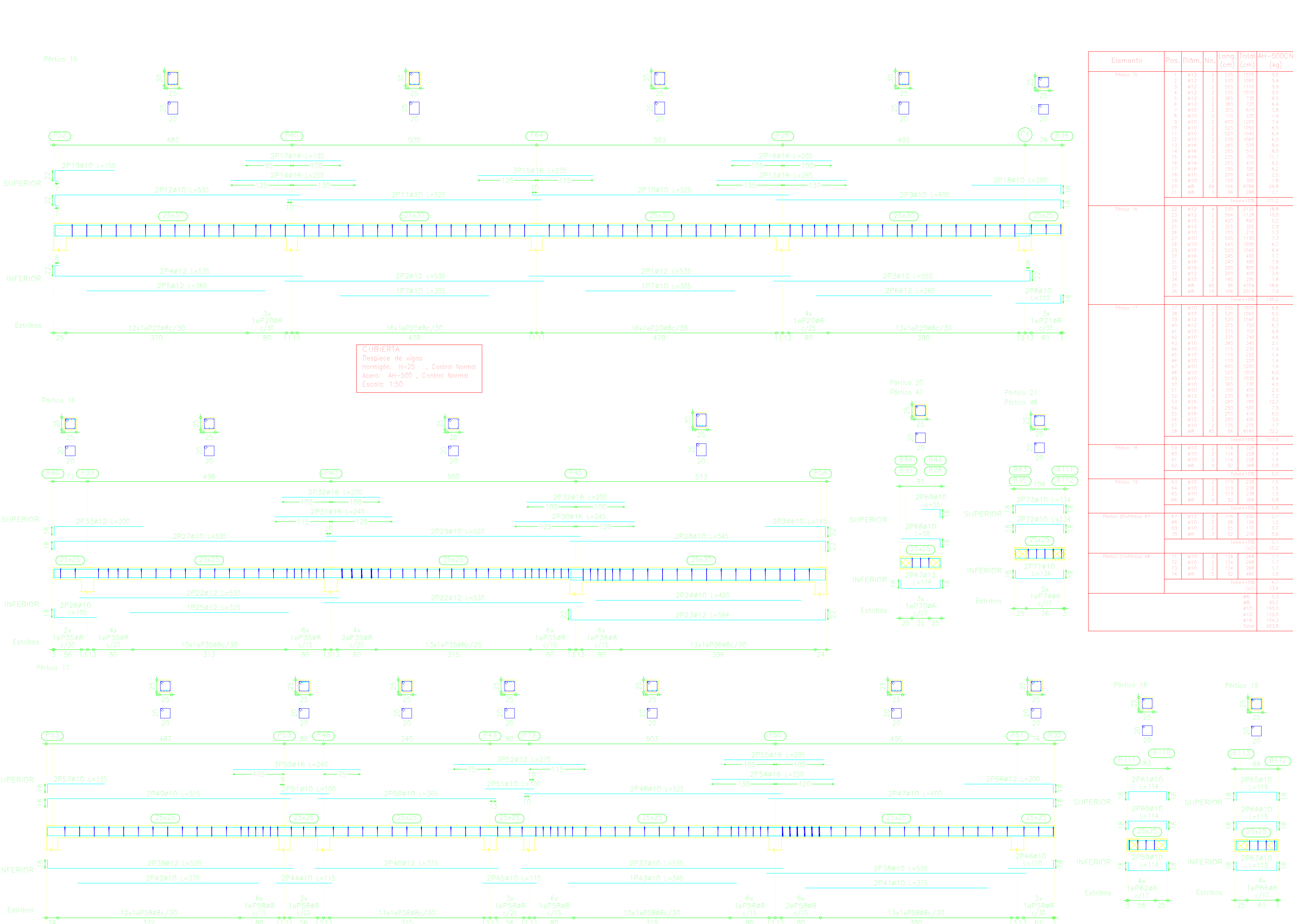
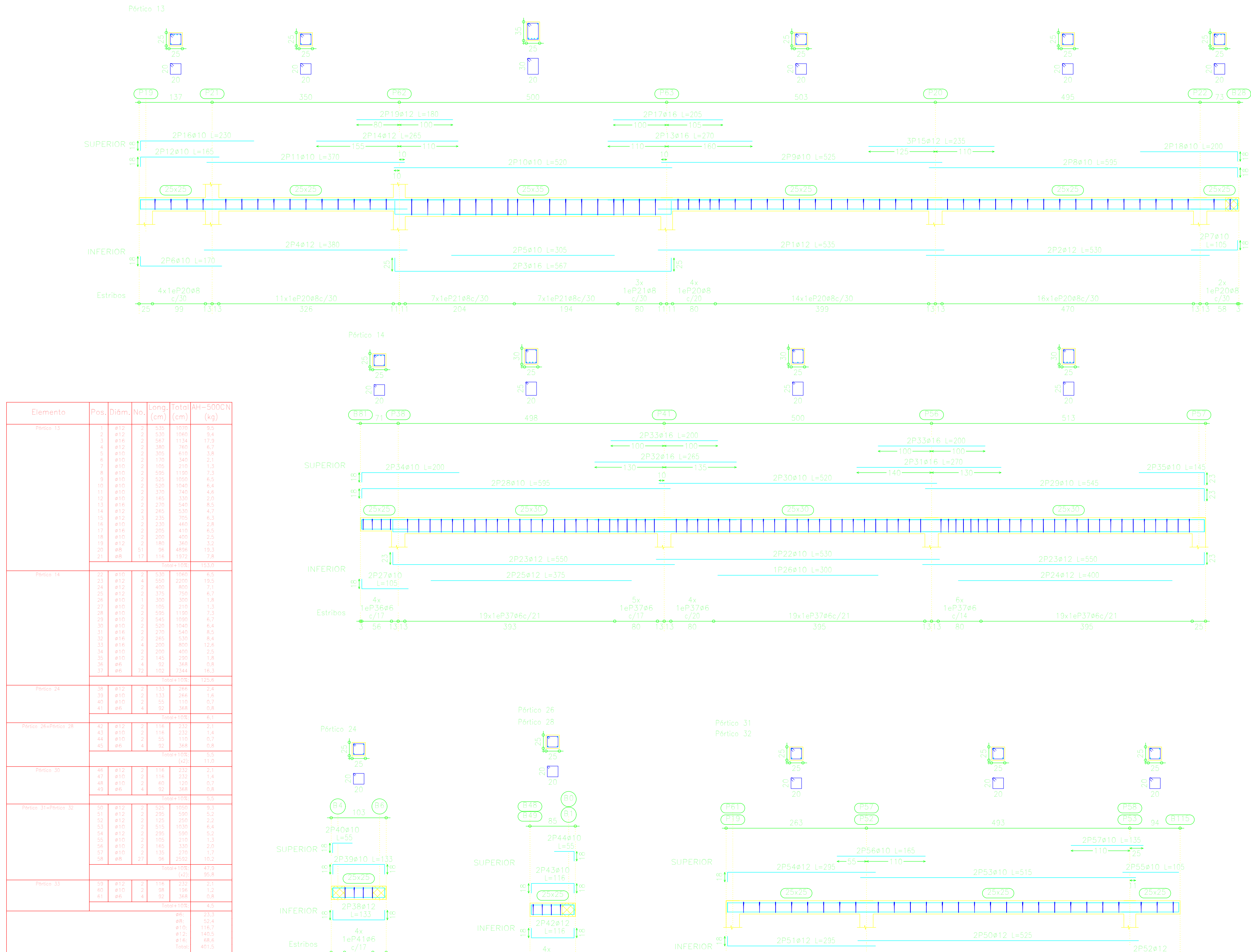
Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 39	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 40	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

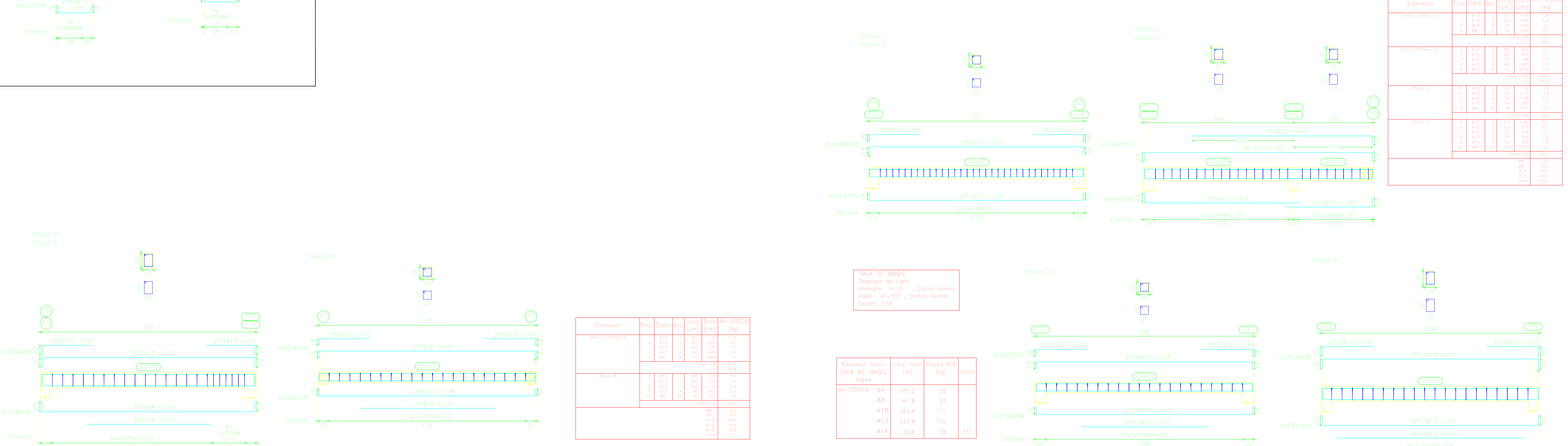


Elemento	Pos.	Dim.	No.	Long. (cm)	Total (kg)
Punto 43	1	210	1	100	100
	2	210	1	100	100
	3	210	1	100	100
	4	210	1	100	100
	5	210	1	100	100
	6	210	1	100	100
	7	210	1	100	100
	8	210	1	100	100
	9	210	1	100	100
	10	210	1	100	100
Total					1000

ARMADURA DE VIGAS-CUBIERTA



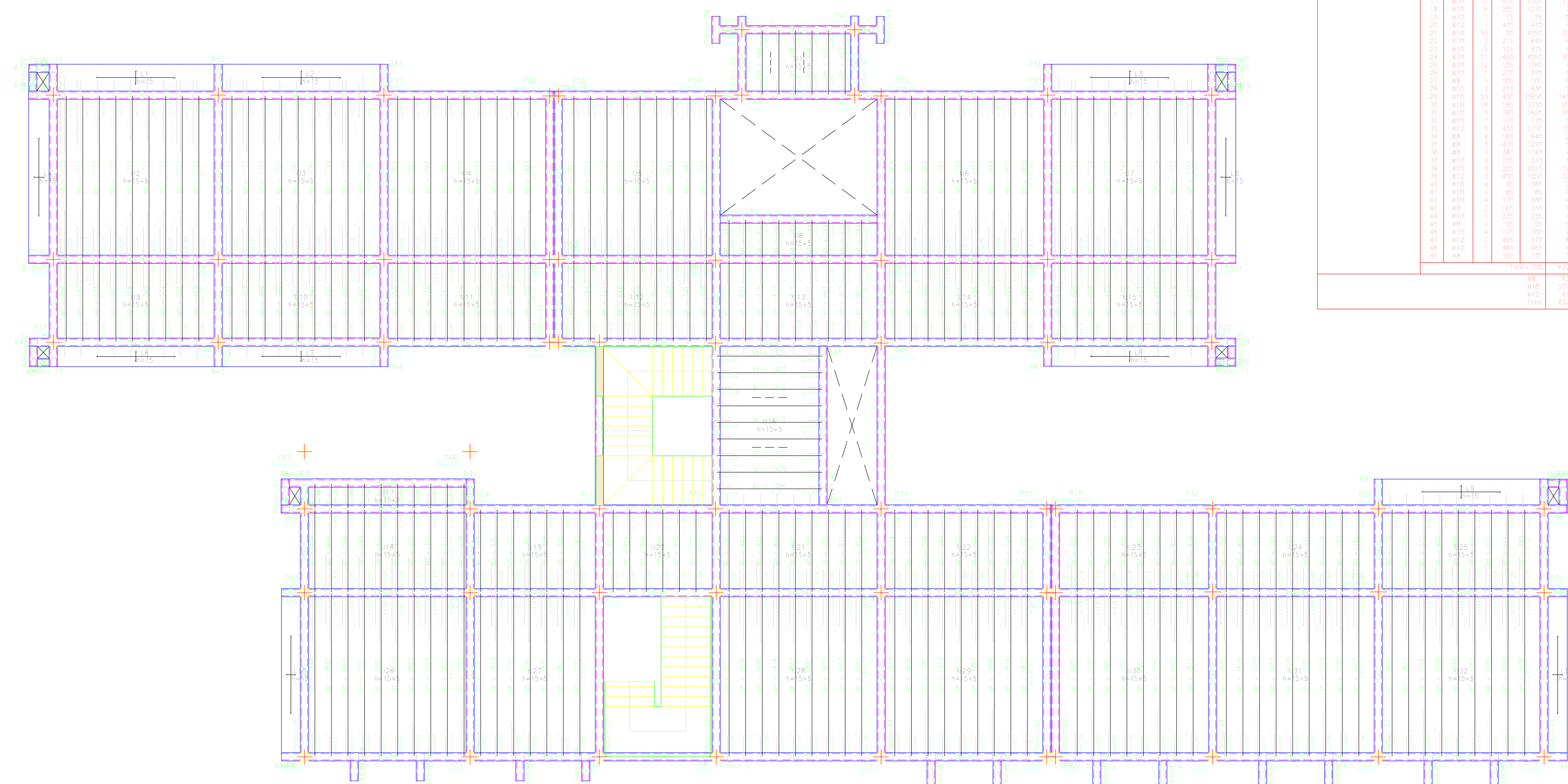
ARMADURA DE VIGAS-SALA DE MÁQUINAS



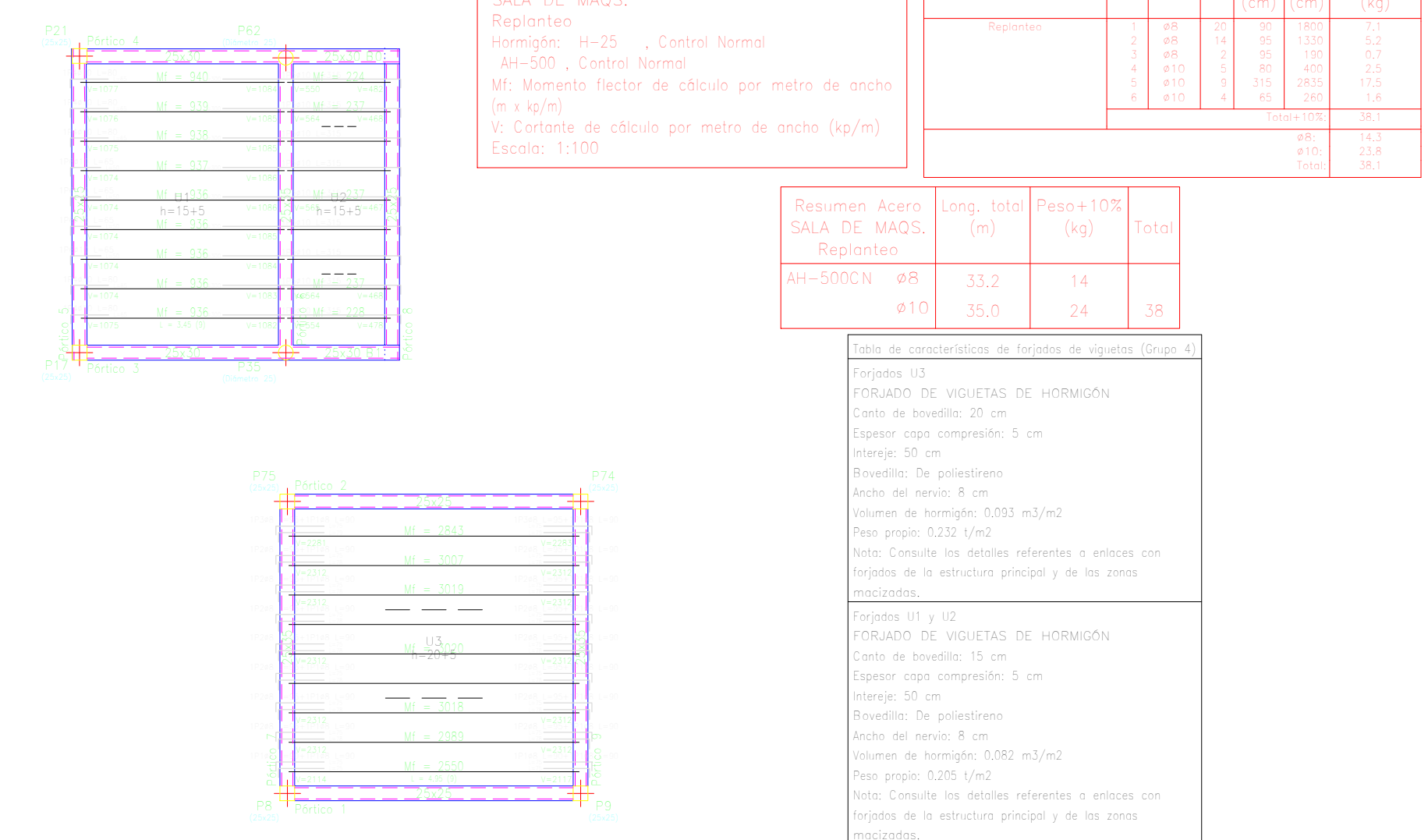
ARMADURA DE ESCALERAS

ARMADURA DE LAS LOSAS DE VIGUETAS

PLANTA ALTA



SALA DE MAQUINAS



CUBIERTA

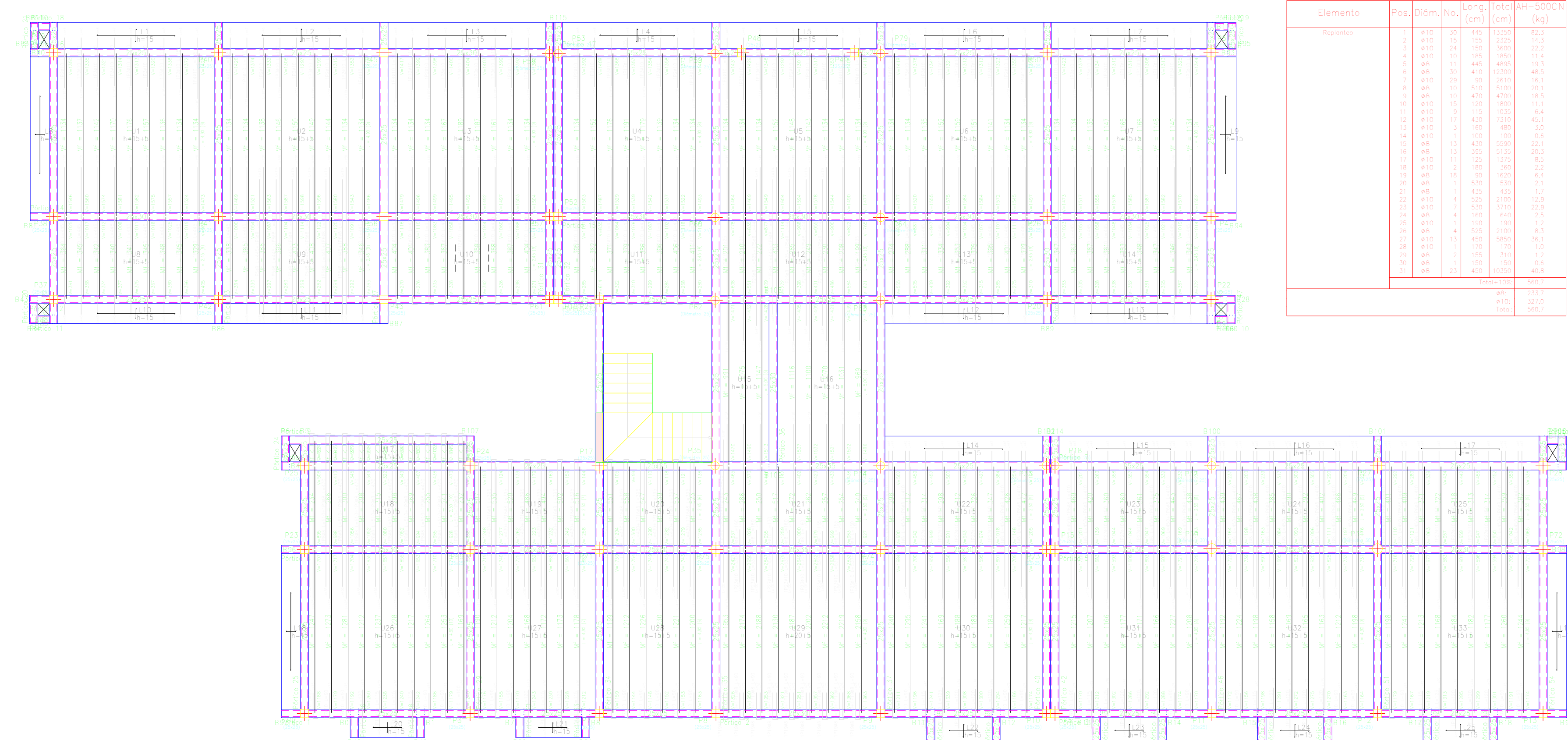
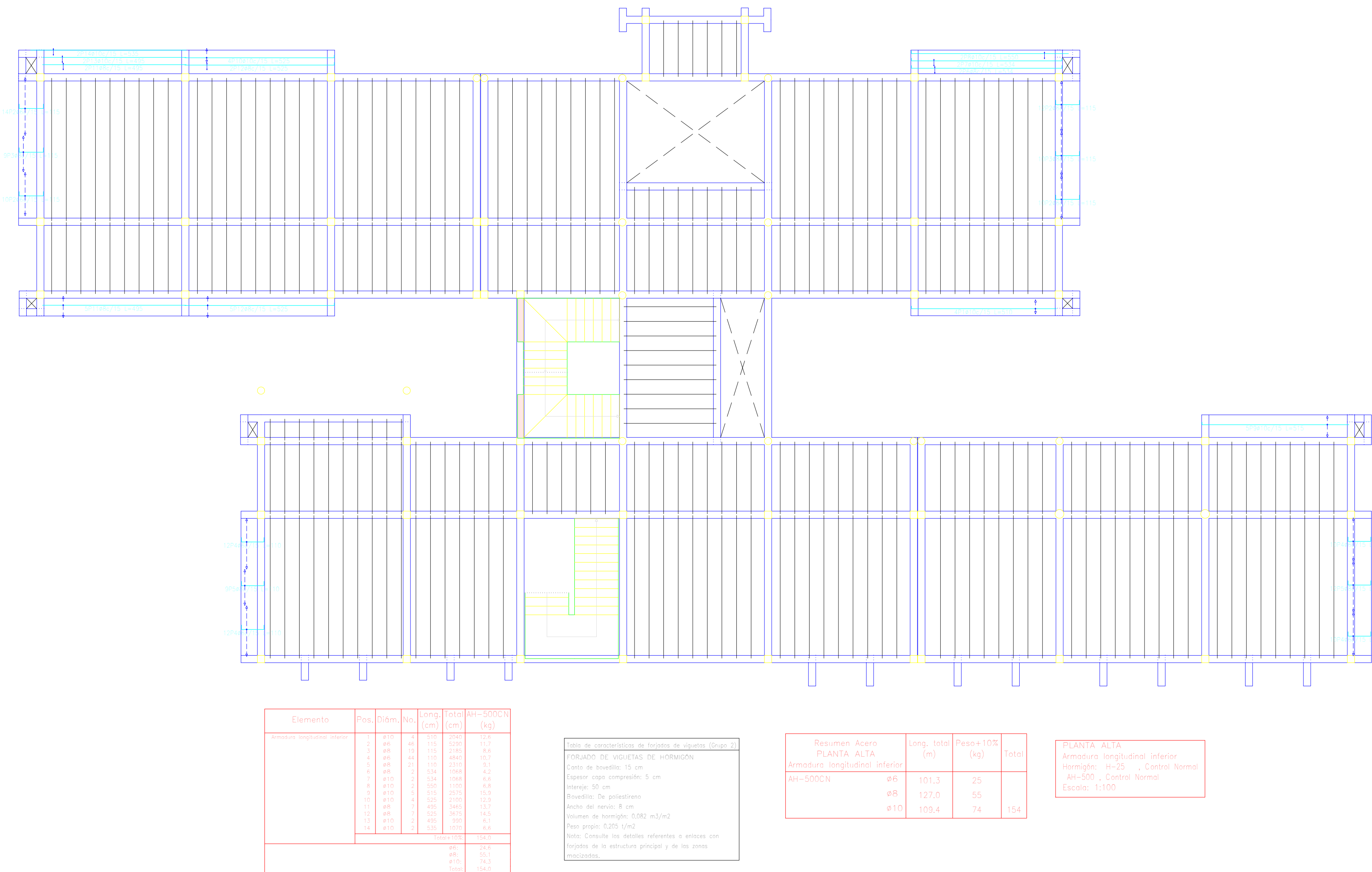


Tabla 2. Características de forja de viguetas (Órga 3).

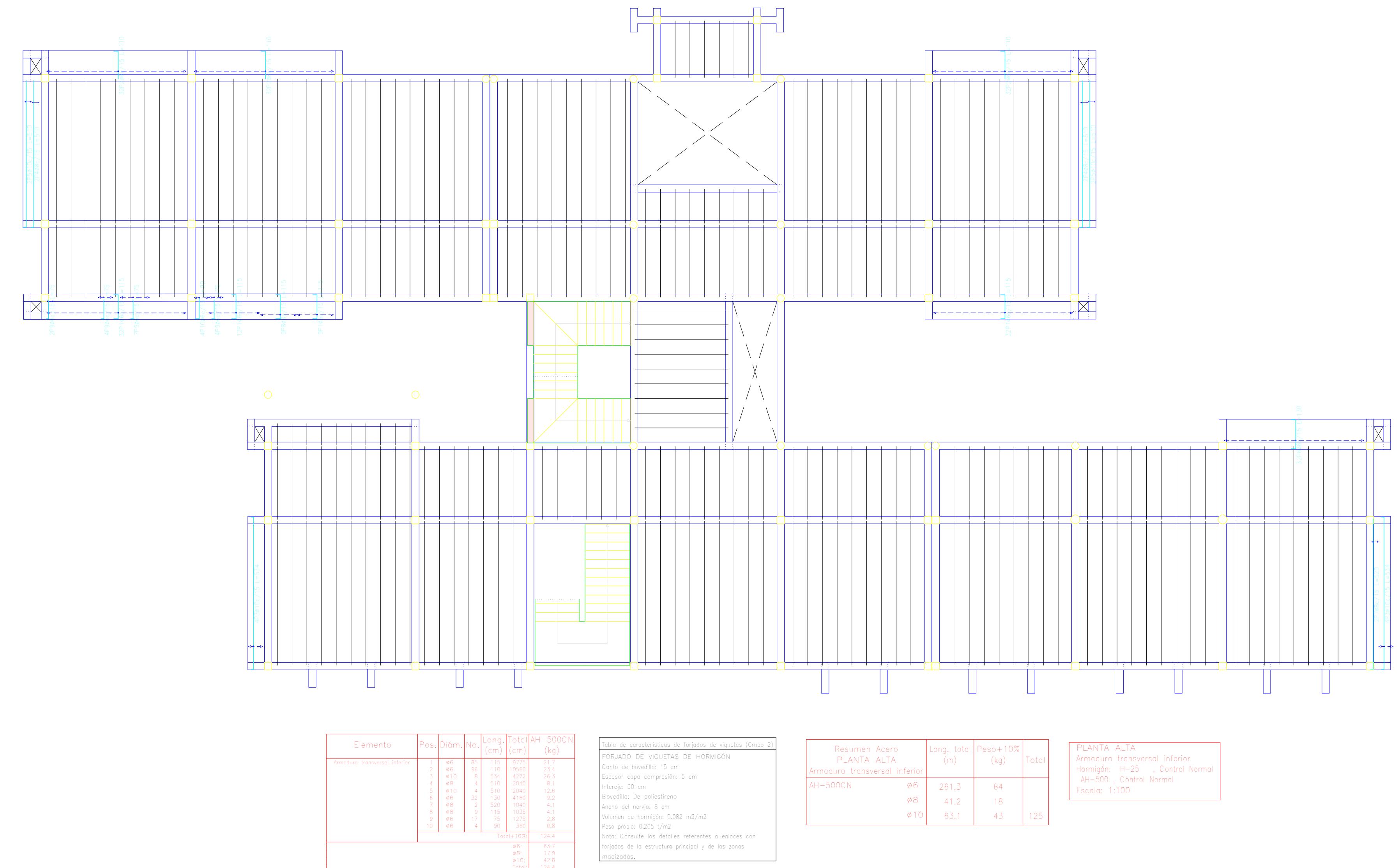
Forja 1	125, 135, 145, 155, 165, 175, 185, 195, 205, 215, 225, 235, 245, 255, 265, 275, 285, 295, 305, 315, 325, 335, 345, 355, 365, 375, 385, 395, 405, 415, 425, 435, 445, 455, 465, 475, 485, 495, 505, 515, 525, 535, 545, 555, 565, 575, 585, 595, 605, 615, 625, 635, 645, 655, 665, 675, 685, 695, 705, 715, 725, 735, 745, 755, 765, 775, 785, 795, 805, 815, 825, 835, 845, 855, 865, 875, 885, 895, 905, 915, 925, 935, 945, 955, 965, 975, 985, 995, 1005, 1015, 1025, 1035, 1045, 1055, 1065, 1075, 1085, 1095, 1105, 1115, 1125, 1135, 1145, 1155, 1165, 1175, 1185, 1195, 1205, 1215, 1225, 1235, 1245, 1255, 1265, 1275, 1285, 1295, 1305, 1315, 1325, 1335, 1345, 1355, 1365, 1375, 1385, 1395, 1405, 1415, 1425, 1435, 1445, 1455, 1465, 1475, 1485, 1495, 1505, 1515, 1525, 1535, 1545, 1555, 1565, 1575, 1585, 1595, 1605, 1615, 1625, 1635, 1645, 1655, 1665, 1675, 1685, 1695, 1705, 1715, 1725, 1735, 1745, 1755, 1765, 1775, 1785, 1795, 1805, 1815, 1825, 1835, 1845, 1855, 1865, 1875, 1885, 1895, 1905, 1915, 1925, 1935, 1945, 1955, 1965, 1975, 1985, 1995, 2005, 2015, 2025, 2035, 2045, 2055, 2065, 2075, 2085, 2095, 2105, 2115, 2125, 2135, 2145, 2155, 2165, 2175, 2185, 2195, 2205, 2215, 2225, 2235, 2245, 2255, 2265, 2275, 2285, 2295, 2305, 2315, 2325, 2335, 2345, 2355, 2365, 2375, 2385, 2395, 2405, 2415, 2425, 2435, 2445, 2455, 2465, 2475, 2485, 2495, 2505, 2515, 2525, 2535, 2545, 2555, 2565, 2575, 2585, 2595, 2605, 2615, 2625, 2635, 2645, 2655, 2665, 2675, 2685, 2695, 2705, 2715, 2725, 2735, 2745, 2755, 2765, 2775, 2785, 2795, 2805, 2815, 2825, 2835, 2845, 2855, 2865, 2875, 2885, 2895, 2905, 2915, 2925, 2935, 2945, 2955, 2965, 2975, 2985, 2995, 3005, 3015, 3025, 3035, 3045, 3055, 3065, 3075, 3085, 3095, 3105, 3115, 3125, 3135, 3145, 3155, 3165, 3175, 3185, 3195, 3205, 3215, 3225, 3235, 3245, 3255, 3265, 3275, 3285, 3295, 3305, 3315, 3325, 3335, 3345, 3355, 3365, 3375, 3385, 3395, 3405, 3415, 3425, 3435, 3445, 3455, 3465, 3475, 3485, 3495, 3505, 3515, 3525, 3535, 3545, 3555, 3565, 3575, 3585, 3595, 3605, 3615, 3625, 3635, 3645, 3655, 3665, 3675, 3685, 3695, 3705, 3715, 3725, 3735, 3745, 3755, 3765, 3775, 3785, 3795, 3805, 3815, 3825, 3835, 3845, 3855, 3865, 3875, 3885, 3895, 3905, 3915, 3925, 3935, 3945, 3955, 3965, 3975, 3985, 3995, 4005, 4015, 4025, 4035, 4045, 4055, 4065, 4075, 4085, 4095, 4105, 4115, 4125, 4135, 4145, 4155, 4165, 4175, 4185, 4195, 4205, 4215, 4225, 4235, 4245, 4255, 4265, 4275, 4285, 4295, 4305, 4315, 4325, 4335, 4345, 4355, 4365, 4375, 4385, 4395, 4405, 4415, 4425, 4435, 4445, 4455, 4465, 4475, 4485, 4495, 4505, 4515, 4525, 4535, 4545, 4555, 4565, 4575, 4585, 4595, 4605, 4615, 4625, 4635, 4645, 4655, 4665, 4675, 4685, 4695, 4705, 4715, 4725, 4735, 4745, 4755, 4765, 4775, 4785, 4795, 4805, 4815, 4825, 4835, 4845, 4855, 4865, 4875, 4885, 4895, 4905, 4915, 4925, 4935, 4945, 4955, 4965, 4975, 4985, 4995, 5005, 5015, 5025, 5035, 5045, 5055, 5065, 5075, 5085, 5095, 5105, 5115, 5125, 5135, 5145, 5155, 5165, 5175, 5185, 5195, 5205, 5215, 5225, 5235, 5245, 5255, 5265, 5275, 5285, 5295, 5305, 5315, 5325, 5335, 5345, 5355, 5365, 5375, 5385, 5395, 5405, 5415, 5425, 5435, 5445, 5455, 5465, 5475, 5485, 5495, 5505, 5515, 5525, 5535, 5545, 5555, 5565, 5575, 5585, 5595, 5605, 5615, 5625, 5635, 5645, 5655, 5665, 5675, 5685, 5695, 5705, 5715, 5725, 5735, 5745, 5755, 5765, 5775, 5785, 5795, 5805, 5815, 5825, 5835, 5845, 5855, 5865, 5875, 5885, 5895, 5905, 5915, 5925, 5935, 5945, 5955, 5965, 5975, 5985, 5995, 6005, 6015, 6025, 6035, 6045, 6055, 6065, 6075, 6085, 6095, 6105, 6115, 6125, 6135, 6145, 6155, 6165, 6175, 6185, 6195, 6205, 6215, 6225, 6235, 6245, 6255, 6265, 6275, 6285, 6295, 6305, 6315, 6325, 6335, 6345, 6355, 6365, 6375, 6385, 6395, 6405, 6415, 6425, 6435, 6445, 6455, 6465, 6475, 6485, 6495, 6505, 6515, 6525, 6535, 6545, 6555, 6565, 6575, 6585, 6595, 6605, 6615, 6625, 6635, 6645, 6655, 6665, 6675, 6685, 6695, 6705, 6715, 6725, 6735, 6745, 6755, 6765, 6775, 6785, 6795, 6805, 6815, 6825, 6835, 6845, 6855, 6865, 6875, 6885, 6895, 6905, 6915, 6925, 6935, 6945, 6955, 6965, 6975, 6985, 6995, 7005, 7015, 7
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ARMADURA DE LAS LOSAS MACIZAS-PLANTA ALTA

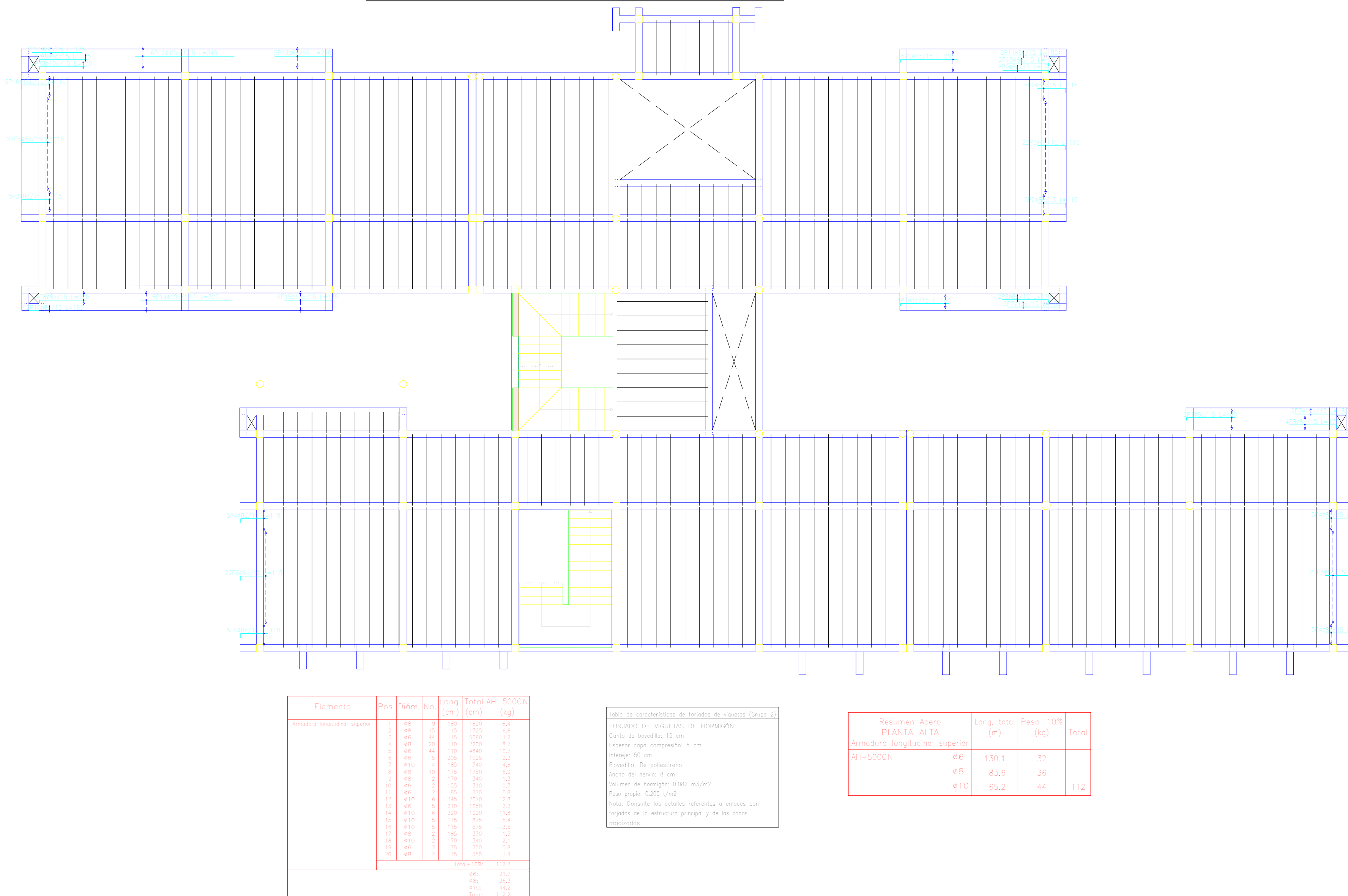
ARMADURA LONGITUDINAL INFERIOR



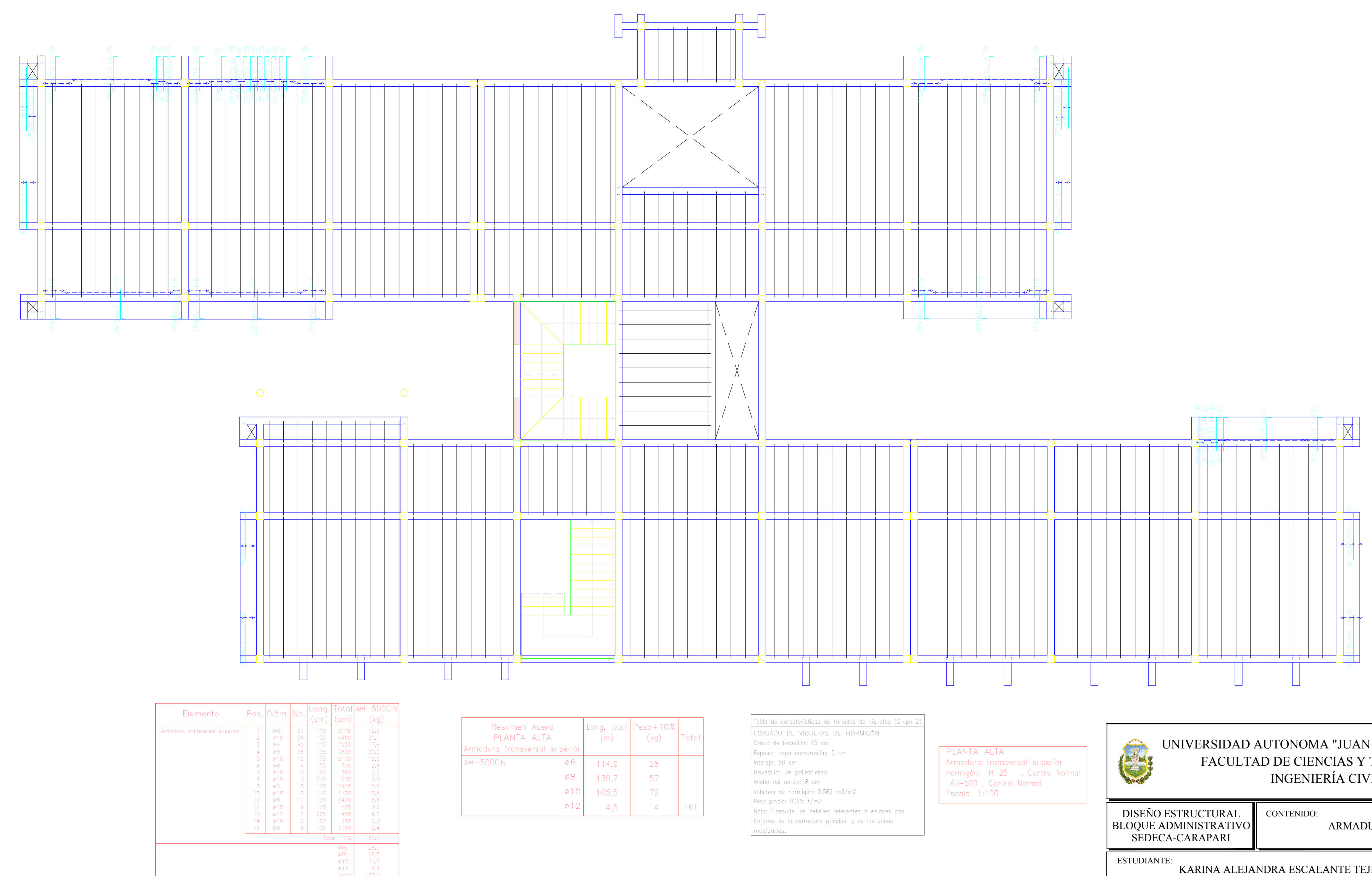
ARMADURA TRANSVERSAL INFERIOR



ARMADURA LONGITUDINAL SUPERIOR

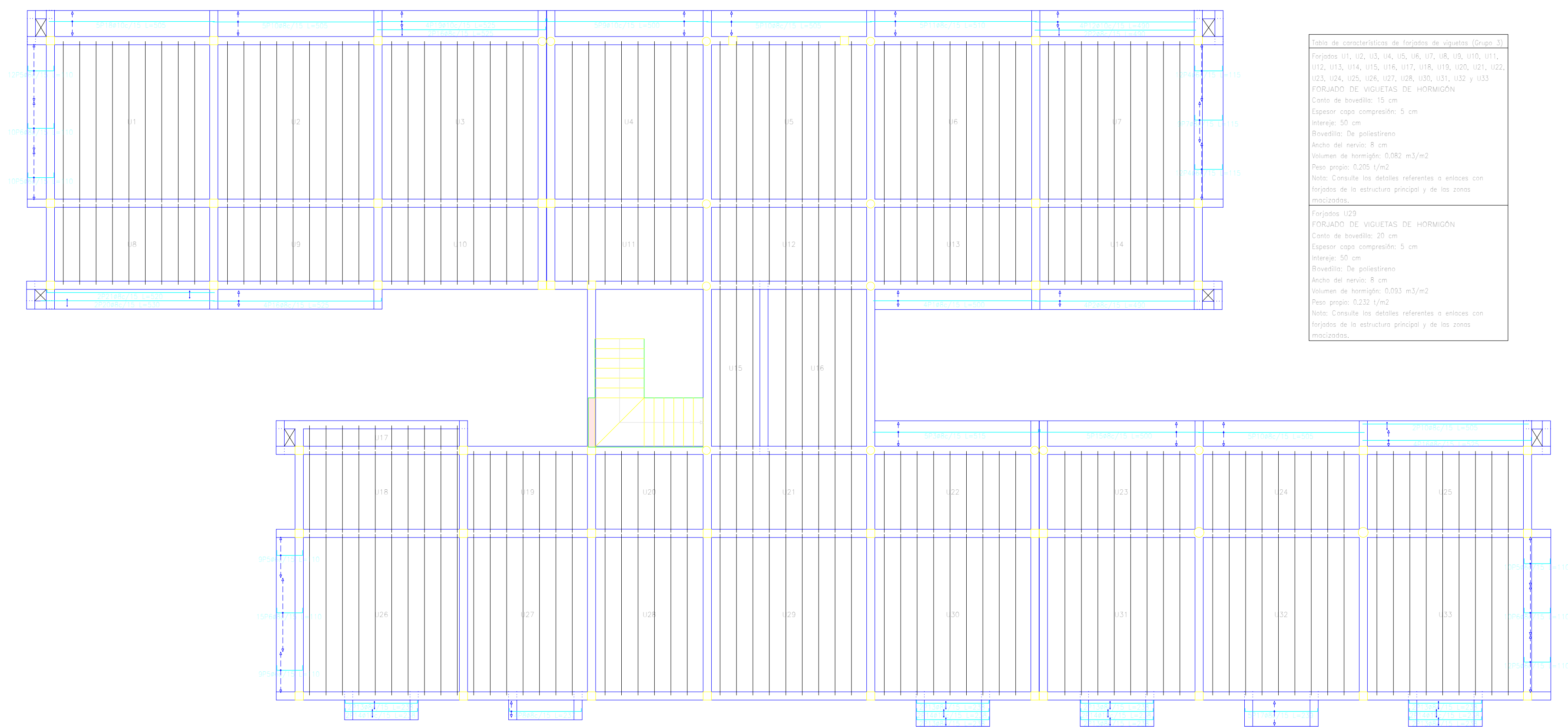


ARMADURA TRANSVERSAL SUPERIOR



ARMADURA DE LAS LOSAS MACIZAS- CUBIERTA

ARMADURA LONGITUDINAL INFERIOR



CUBIERTA
Armadura longitudinal inferior
Norma: E-060, Control Normal
Escala: 1:100

Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
Armadura longitudinal inferior			
Ar-500N	86	95,8	23
Ar-60	86	388,8	169
Ar-10	810	109,9	79

Elemento	Pos.	Dim. (m)	Long. (cm)	Total (kg)
Armadura longitudinal inferior				
Ar-500N	1	100	100	100
Ar-60	1	100	100	100
Ar-10	1	100	100	100
Ar-500N	2	100	100	100
Ar-60	2	100	100	100
Ar-10	2	100	100	100
Ar-500N	3	100	100	100
Ar-60	3	100	100	100
Ar-10	3	100	100	100
Ar-500N	4	100	100	100
Ar-60	4	100	100	100
Ar-10	4	100	100	100
Ar-500N	5	100	100	100
Ar-60	5	100	100	100
Ar-10	5	100	100	100
Ar-500N	6	100	100	100
Ar-60	6	100	100	100
Ar-10	6	100	100	100
Ar-500N	7	100	100	100
Ar-60	7	100	100	100
Ar-10	7	100	100	100
Ar-500N	8	100	100	100
Ar-60	8	100	100	100
Ar-10	8	100	100	100
Ar-500N	9	100	100	100
Ar-60	9	100	100	100
Ar-10	9	100	100	100
Ar-500N	10	100	100	100
Ar-60	10	100	100	100
Ar-10	10	100	100	100
Ar-500N	11	100	100	100
Ar-60	11	100	100	100
Ar-10	11	100	100	100
Ar-500N	12	100	100	100
Ar-60	12	100	100	100
Ar-10	12	100	100	100
Ar-500N	13	100	100	100
Ar-60	13	100	100	100
Ar-10	13	100	100	100
Ar-500N	14	100	100	100
Ar-60	14	100	100	100
Ar-10	14	100	100	100
Ar-500N	15	100	100	100
Ar-60	15	100	100	100
Ar-10	15	100	100	100
Ar-500N	16	100	100	100
Ar-60	16	100	100	100
Ar-10	16	100	100	100
Ar-500N	17	100	100	100
Ar-60	17	100	100	100
Ar-10	17	100	100	100
Ar-500N	18	100	100	100
Ar-60	18	100	100	100
Ar-10	18	100	100	100
Ar-500N	19	100	100	100
Ar-60	19	100	100	100
Ar-10	19	100	100	100
Ar-500N	20	100	100	100
Ar-60	20	100	100	100
Ar-10	20	100	100	100
Ar-500N	21	100	100	100
Ar-60	21	100	100	100
Ar-10	21	100	100	100
Ar-500N	22	100	100	100
Ar-60	22	100	100	100
Ar-10	22	100	100	100
Ar-500N	23	100	100	100
Ar-60	23	100	100	100
Ar-10	23	100	100	100
Ar-500N	24	100	100	100
Ar-60	24	100	100	100
Ar-10	24	100	100	100
Ar-500N	25	100	100	100
Ar-60	25	100	100	100
Ar-10	25	100	100	100
Ar-500N	26	100	100	100
Ar-60	26	100	100	100
Ar-10	26	100	100	100
Ar-500N	27	100	100	100
Ar-60	27	100	100	100
Ar-10	27	100	100	100
Ar-500N	28	100	100	100
Ar-60	28	100	100	100
Ar-10	28	100	100	100
Ar-500N	29	100	100	100
Ar-60	29	100	100	100
Ar-10	29	100	100	100
Ar-500N	30	100	100	100
Ar-60	30	100	100	100
Ar-10	30	100	100	100
Ar-500N	31	100	100	100
Ar-60	31	100	100	100
Ar-10	31	100	100	100
Ar-500N	32	100	100	100
Ar-60	32	100	100	100
Ar-10	32	100	100	100
Ar-500N	33	100	100	100
Ar-60	33	100	100	100
Ar-10	33	100	100	100
Ar-500N	34	100	100	100
Ar-60	34	100	100	100
Ar-10	34	100	100	100
Ar-500N	35	100	100	100
Ar-60	35	100	100	100
Ar-10	35	100	100	100
Ar-500N	36	100	100	100
Ar-60	36	100	100	100
Ar-10	36	100	100	100
Ar-500N	37	100	100	100
Ar-60	37	100	100	100
Ar-10	37	100	100	100
Ar-500N	38	100	100	100
Ar-60	38	100	100	100
Ar-10	38	100	100	100
Ar-500N	39	100	100	100
Ar-60	39	100	100	100
Ar-10	39	100	100	100
Ar-500N	40	100	100	100
Ar-60	40	100	100	100
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Ar-10	92	100	100	100
Ar-500N	93			