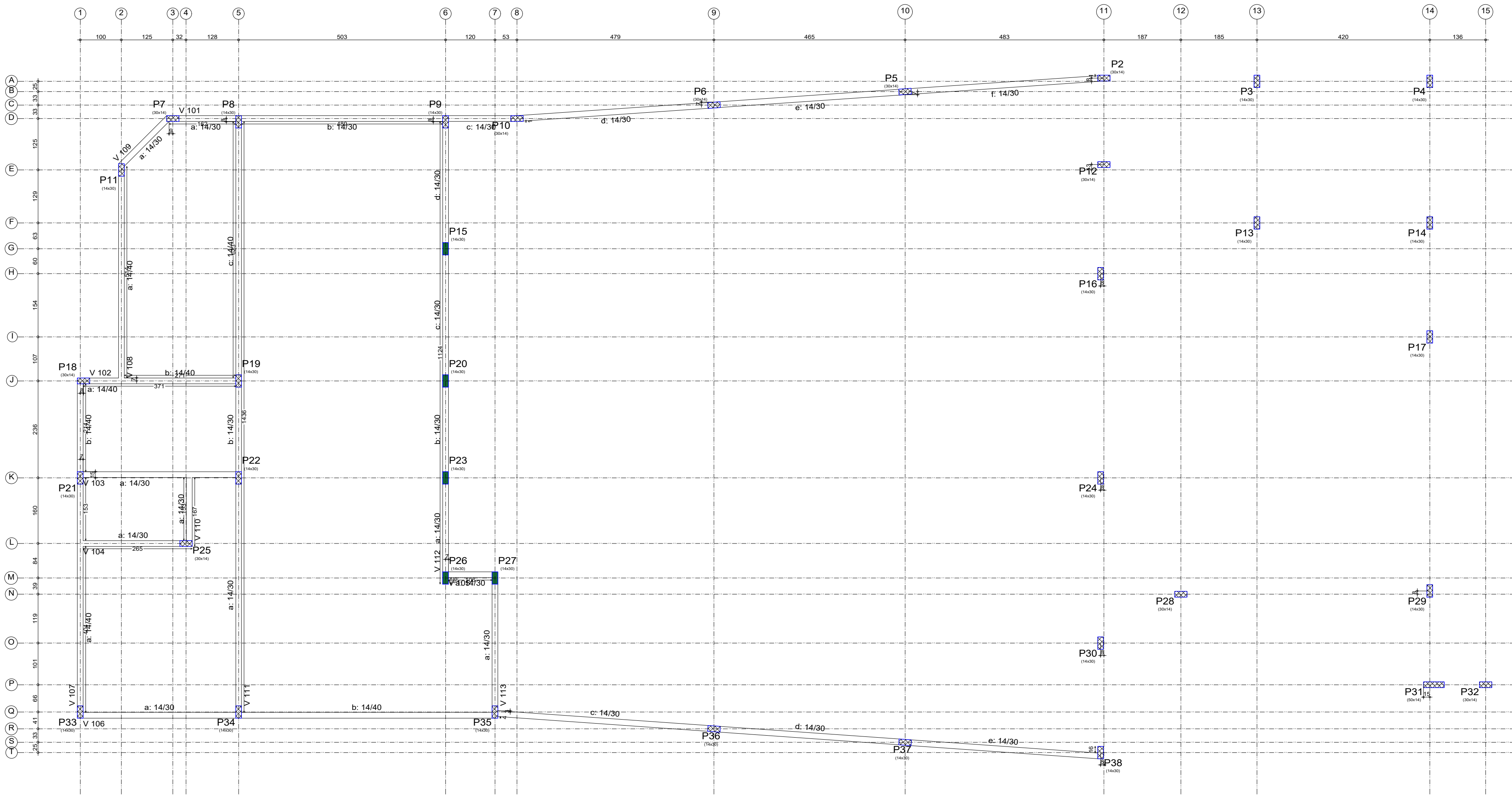




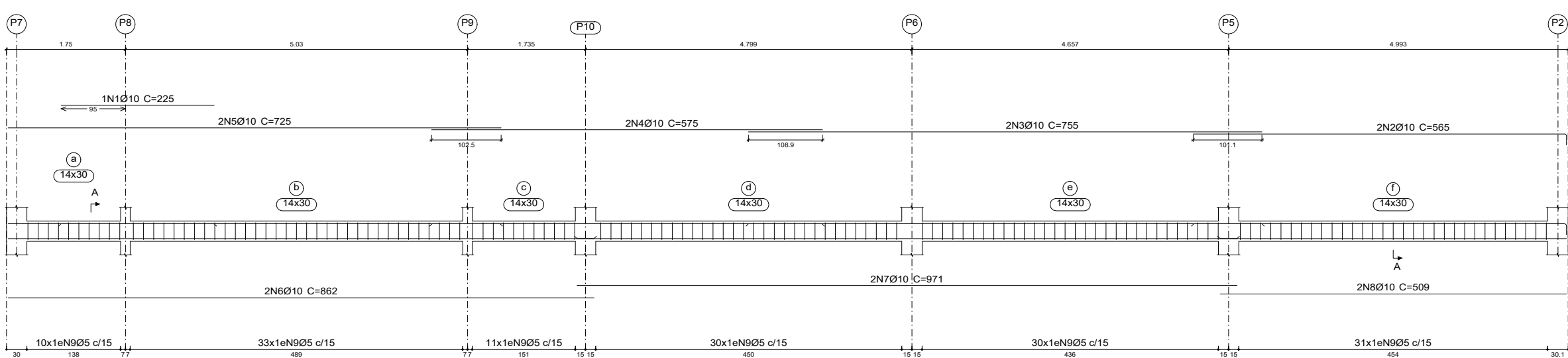
BLADRAM NIVEL 0.00				
Elemento	Forma	Superfície	Volume	Barra
Vigas	Ø10	13.65	4.800	365
Plates	Ø10	1.100	47.1	
Total				
Índice (por m²)			0.397	55.09
Superfície total: 15.23 m²				

Resumo Aço			
Desenho de vigas	Comp. total (m)	Peso (kg)	Total
CA-50	Ø10	463.9	286
CA-60	Ø5	472.2	74
Total			
365			

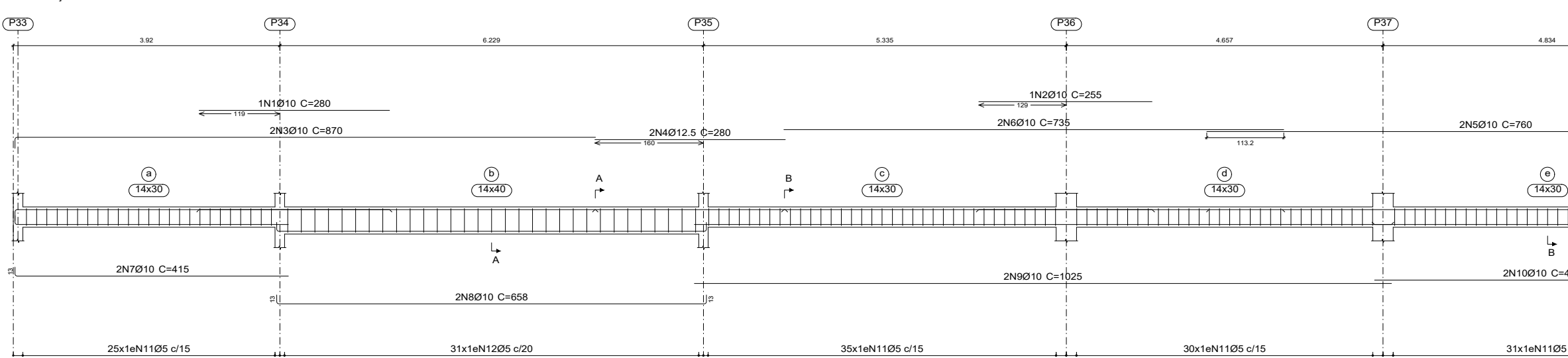
Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 101	1	Ø10	1	100	225	225	1.4	
	2	Ø10	2	100	450	450	2.8	
	3	Ø10	2	100	450	450	2.8	
	4	Ø10	2	100	450	450	2.8	
	5	Ø10	2	100	450	450	2.8	
	6	Ø10	2	100	450	450	2.8	
	7	Ø10	2	100	450	450	2.8	
	8	Ø10	2	100	450	450	2.8	
	9	Ø5	145	100	14500	14500	17.3	
Total								62.6
V 102	1	Ø10	2	100	450	450	2.8	
	2	Ø10	2	100	450	450	2.8	
	3	Ø5	16	100	1600	1600	2.7	
Total								8.3
V 103	1	Ø10	2	100	450	450	2.8	
	2	Ø10	2	100	450	450	2.8	
	3	Ø5	25	100	2500	2500	3.0	
Total								8.6
V 104	1	Ø10	2	100	450	450	2.8	
	2	Ø10	2	100	450	450	2.8	
	3	Ø5	16	100	1600	1600	1.9	
Total								7.5
V 105	1	Ø10	2	100	450	450	2.8	
	2	Ø10	2	100	450	450	2.8	
	3	Ø5	4	100	400	400	0.5	
Total								6.1
Total CA-50/CA-60								93.8
V 106	1	Ø10	1	100	200	200	1.7	
	2	Ø10	1	100	200	200	1.6	
	3	Ø10	2	100	400	400	3.3	
	4	Ø12.5	2	100	200	200	5.4	
	5	Ø10	2	100	200	200	1.6	
	6	Ø10	2	100	200	200	1.6	
	7	Ø10	2	100	200	200	1.6	
	8	Ø10	2	100	200	200	1.6	
	9	Ø10	2	100	200	200	1.6	
	10	Ø10	2	100	200	200	1.6	
	11	Ø5	121	100	12100	12100	14.4	
	12	Ø5	31	100	3100	3100	4.7	
Total								69.8
V 107	1	Ø10	1	100	195	195	1.2	
	2	Ø10	1	100	195	195	1.2	
	3	Ø10	2	100	390	390	2.4	
	4	Ø10	2	100	390	390	2.4	
	5	Ø5	35	100	3500	3500	5.7	
Total								23.4
V 108	1	Ø10	1	100	220	220	1.4	
	2	Ø10	2	100	440	440	2.8	
	3	Ø10	2	100	440	440	2.8	
	4	Ø5	25	100	2500	2500	3.8	
Total								14.8
V 109	1	Ø10	2	100	207	207	1.4	
	2	Ø10	2	100	207	207	1.4	
	3	Ø5	11	100	1100	1100	1.3	
Total								4.7
V 110	1	Ø10	2	100	193	193	1.3	
	2	Ø10	2	100	193	193	1.3	
	3	Ø5	11	100	1100	1100	1.3	
Total								4.7
V 111	1	Ø10	1	100	165	165	1.0	
	2	Ø10	1	100	165	165	1.0	
	3	Ø10	1	100	165	165	1.0	
	4	Ø10	1	100	165	165	1.0	
	5	Ø10	2	100	330	330	2.0	
	6	Ø10	2	100	330	330	2.0	
	7	Ø10	2	100	330	330	2.0	
	8	Ø10	2	100	330	330	2.0	
	9	Ø5	50	100	5000	5000	6.0	
	10	Ø5	30	100	3000	3000	4.5	
Total								43.4
V 112	1	Ø10	2	100	1133	1133	14.0	
	2	Ø10	2	100	1133	1133	14.0	
	3	Ø10	2	100	1133	1133	14.0	
	4	Ø5	45	100	4500	4500	5.4	
Total								58.4
V 113	1	Ø10	2	100	367	367	2.3	
	2	Ø10	2	100	367	367	2.3	
	3	Ø5	14	100	1400	1400	1.7	
Total								6.3

BLADRAM NIVEL 0.00
Plan.
Escala: 1:50

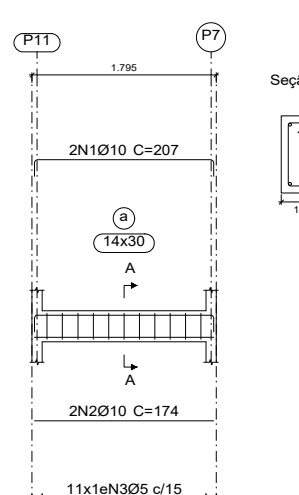
V 101
Escala vigas 1:50
Escala seções 1:20



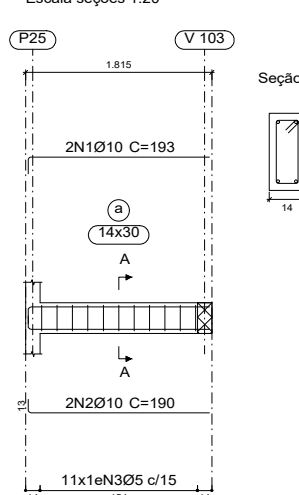
V 106
Escala vigas 1:50
Escala seções 1:20



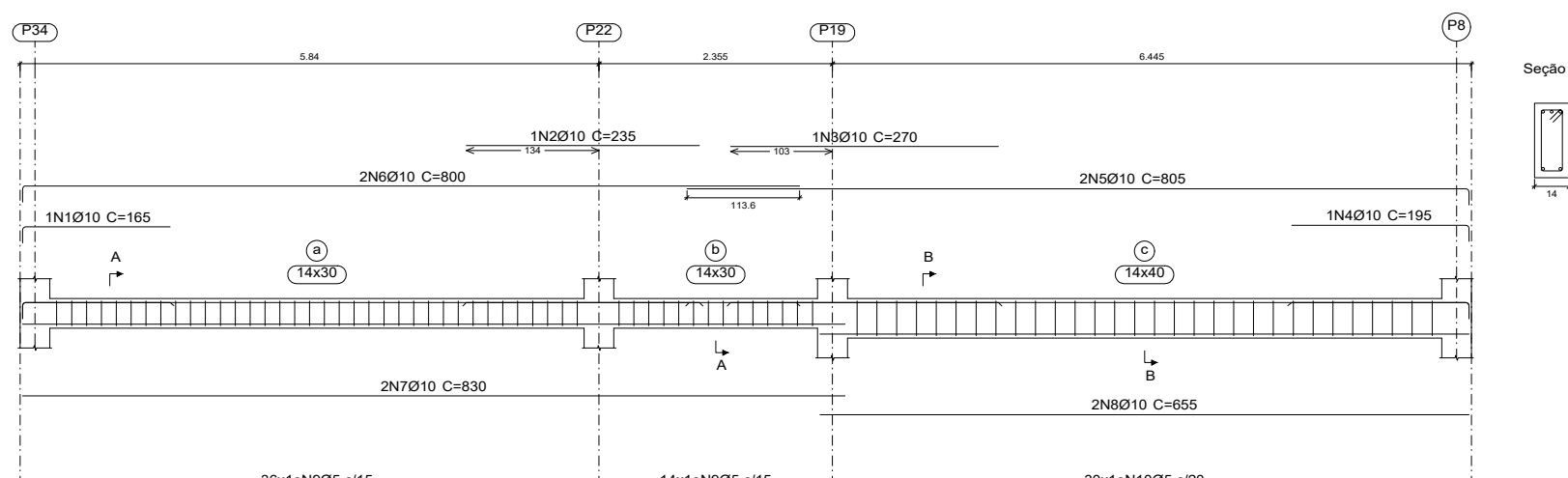
V 109
Escala vigas 1:50
Escala seções 1:20



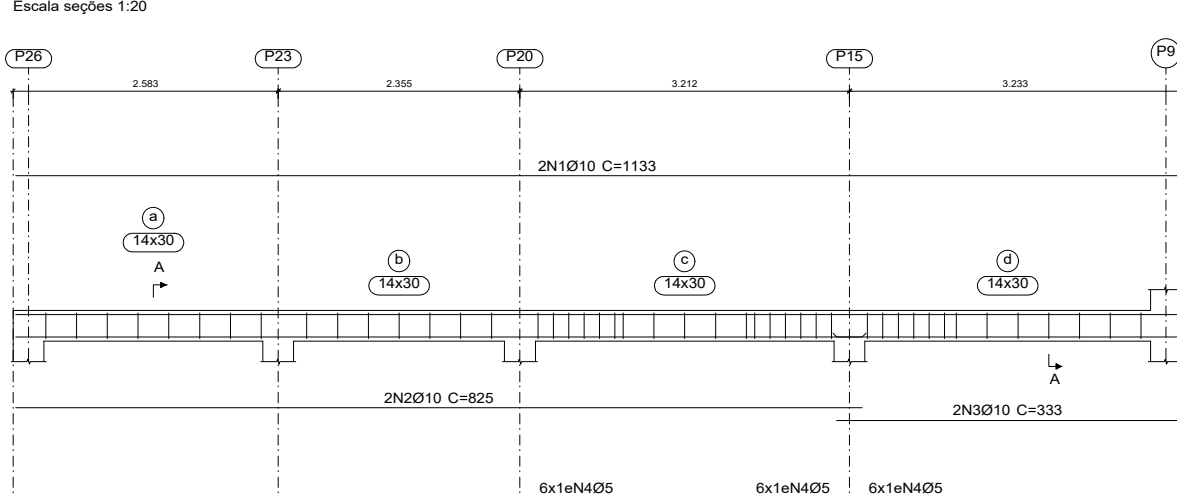
V 110
Escala vigas 1:50
Escala seções 1:20



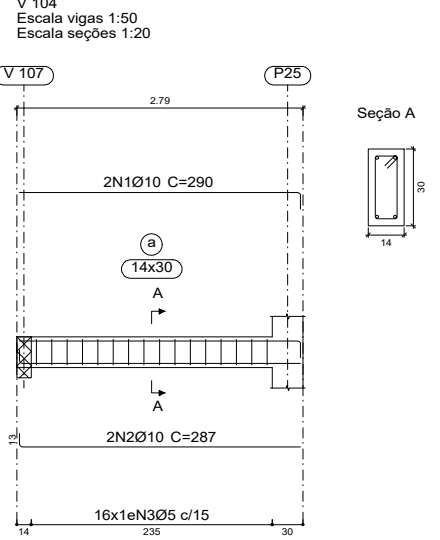
V 111
Escala vigas 1:50
Escala seções 1:20



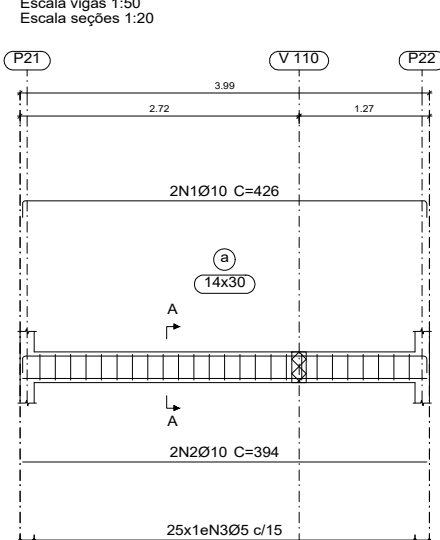
V 112
Escala vigas 1:50
Escala seções 1:20



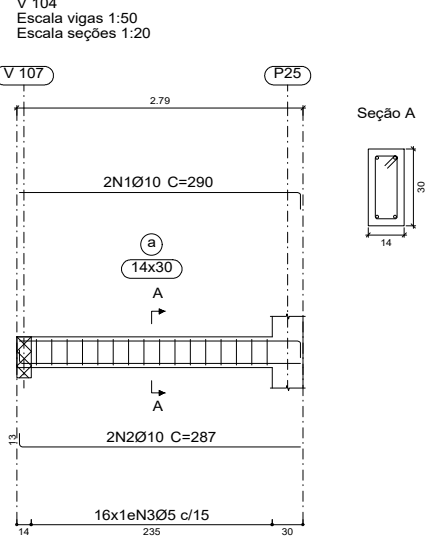
V 102
Escala vigas 1:50
Escala seções 1:20



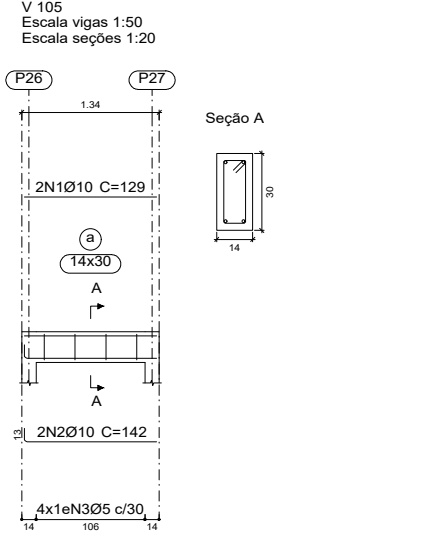
V 103
Escala vigas 1:50
Escala seções 1:20



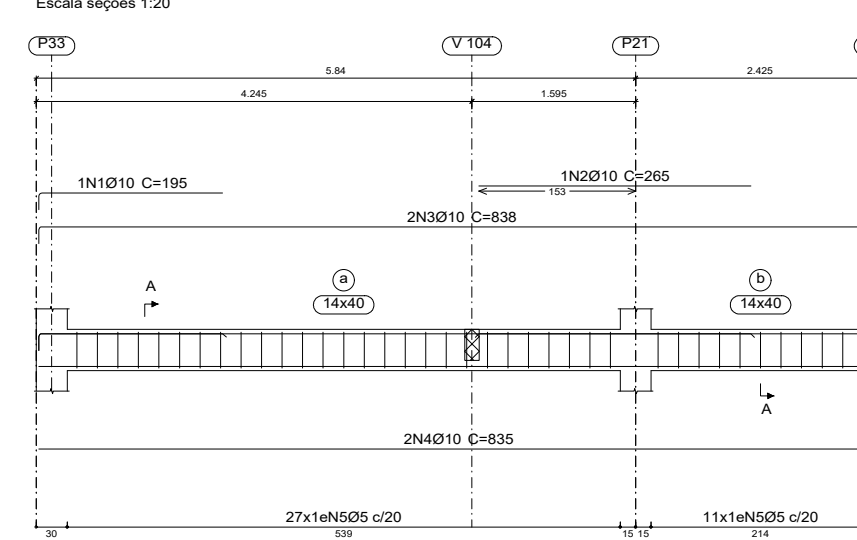
V 104
Escala vigas 1:50
Escala seções 1:20



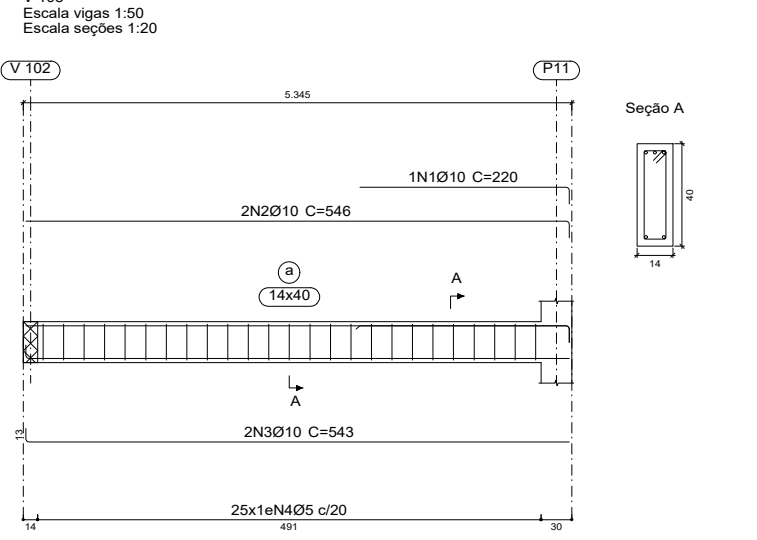
V 105
Escala vigas 1:50
Escala seções 1:20



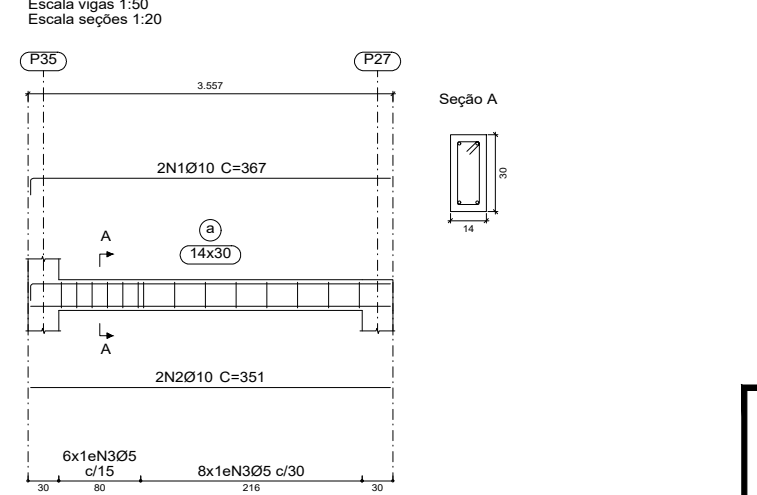
V 107
Escala vigas 1:50
Escala seções 1:20



V 108
Escala vigas 1:50
Escala seções 1:20



V 113
Escala vigas 1:50
Escala seções 1:20



LEGENDA - PILARES
Pilar que nasce
Pilar que segue
Pilar que morre

ENDEREÇO DA OBRA: RUA OLIVEIRO REIS, S/N - CENTRO - CARMO DA CACHOEIRA/MG		PROJETO ESTRUTURAL: DE CONCRETO ARMADO	
PROPRIETÁRIO: PREFEITURA MUNICIPAL DE CARMO DA CACHOEIRA / MG		CPF: 18.240.135/0001-90	
FINALIDADE: URBANA		CATEGORIA DE OBRA: INSTITUCIONAL	
ÁREA A CONSTRUIR: 493,17m²		PROPRIETÁRIO PREF. MUNICIPAL	
FUNDAÇÃO: 25MPa		PILARES: 25MPa	
BALDRAMES: 25MPa		VIGAS: 25MPa	
LAJES: 25MPa		CORTINAS: -MPa	
PROJETO DE ARQUITETURA: PLANTA 0.00 DETALHAMENTO DAS VIGAS		PRANCHA 2/9	
ASSOCIAÇÃO DOS MUNICÍPIOS DO BAIXO SAPAÍ		DATA: 10/2023	