

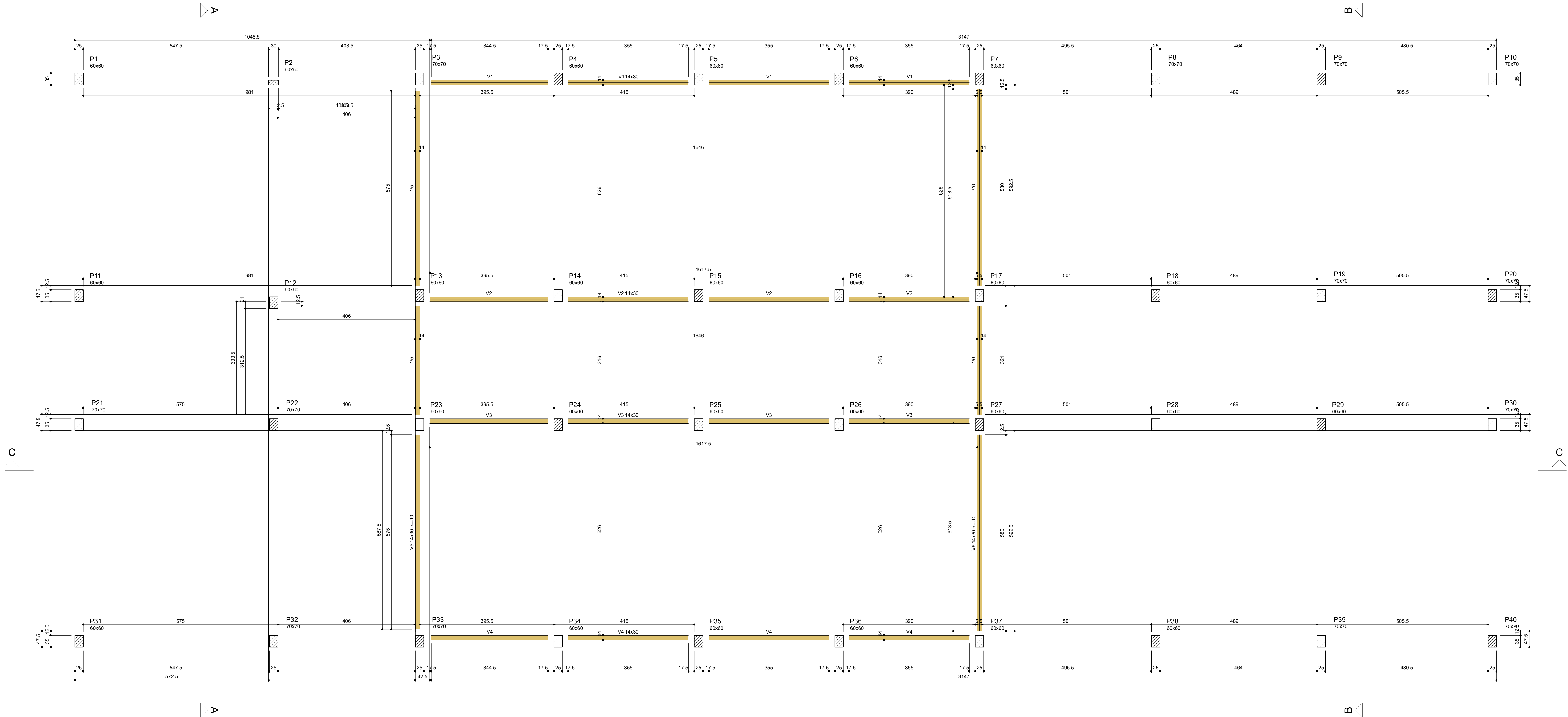


- OBSERVAÇÕES:
- 1 - Origem das cotas: Horizontais e verticais nos eixos do pilar B31 / P31;
 - 2 - Locação da obra deve seguir o projeto arquitetônico de implantação, locando-a a partir de edificações existentes;
 - 3 - Convenções: B - Bloco estrutural de concreto; BM - Bloco p/ estrutura metálica; E - Estaca; L - Laje; P - Pilar; V - Viga;
 - 4 - A profundidade mínima de ponta das estacas deverá ser conforme tabela "LOCAÇÃO DAS ESTACAS" e na planta de detalhamento;
 - 5 - Medidas em centímetros.

Planta de locação
escala 1:50

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Pilar				Fundação / Bloco										
						Fy Máximo (tf)		Fy Mínimo (tf)		Lado @ Lado H (cm)		Lado @ Lado H (cm)		Lado @ Lado H (cm)		Lado @ Lado H (cm)		Isolado (cm)	ca (cm)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo			
B1*	-	0.00	1661.00	16.5	15.2	0.4	0.0	1.1	0.0	60	60	0	60	1	C30	-75				
B2*	-	575.00	1660.50	16.5	15.2	0.3	0.0	0.1	0.0	60	60	0	60	1	C30	-75				
B3*	-	1000.00	1661.00	21.8	21.0	0.0	-0.5	1.9	0.0	70	70	0	60	1	C40	-100				
B4*	-	1415.50	1661.00	13.3	12.8	0.2	0.0	1.6	0.0	60	60	0	60	1	C30	-155				
B5*	-	1830.50	1661.00	12.5	11.7	0.4	-0.6	1.5	0.0	60	60	0	60	1	C30	-155				
B6*	-	2245.50	1661.00	12.4	11.7	0.2	-0.8	1.5	0.0	60	60	0	60	1	C30	-155				
B7*	-	2660.50	1661.00	14.7	14.0	0.5	0.0	1.6	0.0	60	60	0	60	1	C30	-155				
B8*	-	3181.00	1661.00	19.0	18.0	0.6	0.0	1.9	0.0	70	70	0	65	1	C40	-80				
B9*	-	3670.00	1661.00	25.2	19.4	0.0	-0.2	1.0	0.4	70	70	0	65	1	C40	-80				
B10*	-	4175.00	1661.00	18.3	15.2	0.3	0.0	1.2	0.0	70	70	0	65	1	C40	-80				
B11*	-	0.00	1021.00	15.5	14.3	0.0	-0.6	0.4	0.9	60	60	0	60	1	C30	-75				
B12*	-	575.00	1000.00	16.2	14.9	0.3	0.0	0.6	0.2	60	60	0	60	1	C30	-75				
B13*	-	1000.00	1021.00	5.4	5.2	0.0	-0.5	1.1	0.5	60	60	0	60	1	C30	-155				
B14*	-	1415.50	1021.00	5.6	4.9	0.2	-0.7	0.9	0.0	60	60	0	60	1	C30	-155				
B15*	-	1830.50	1021.00	5.6	4.8	0.1	-0.8	0.9	0.0	60	60	0	60	1	C30	-155				
B16*	-	2245.50	1021.00	5.5	4.8	0.0	-0.9	0.0	2.0	60	60	0	60	1	C30	-155				
B17*	-	2660.50	1021.00	7.0	6.9	0.5	0.0	1.4	0.5	60	60	0	60	1	C30	-155				
B18*	-	3181.00	1021.00	12.8	9.6	0.5	0.0	0.0	-1.0	60	60	0	60	1	C30	-75				
B19*	-	3670.00	1021.00	20.6	14.1	0.7	0.0	0.0	-1.3	70	70	0	65	1	C40	-80				
B20*	-	4175.00	1021.00	17.6	14.7	0.5	0.0	0.0	-1.3	70	70	0	65	1	C40	-80				
B21*	-	0.00	640.00	19.8	17.6	0.0	-0.6	1.0	0.0	70	70	0	65	1	C40	-80				
B22*	-	575.00	640.00	24.8	21.4	0.0	-0.2	1.6	0.0	70	70	0	65	1	C40	-80				
B23*	-	1000.00	640.00	13.7	12.3	0.0	-0.4	0.9	0.8	60	60	0	60	1	C30	-155				
B24*	-	1415.50	640.00	5.4	4.8	0.2	-0.3	1.8	0.0	60	60	0	60	1	C30	-155				
B25*	-	1830.50	640.00	5.6	4.9	0.1	-0.5	2.0	0.0	60	60	0	60	1	C30	-155				
B26*	-	2245.50	640.00	5.5	4.8	0.0	-1.0	1.9	0.0	60	60	0	60	1	C30	-155				
B27*	-	2660.50	640.00	6.9	5.8	0.6	0.0	0.1	2.2	60	60	0	60	1	C30	-155				
B28*	-	3181.00	640.00	8.0	6.1	0.5	0.4	0.0	2.1	0.0	60	60	0	60	1	C30	-75			
B29*	-	3670.00	640.00	14.1	11.8	0.8	0.0	2.1	0.0	60	60	0	60	1	C30	-75				
B30*	-	4175.00	640.00	18.5	16.8	0.4	0.0	1.9	0.0	70	70	0	60	1	C40	-80				
B31*	-	0.00	0.00	14.7	12.9	0.0	-0.5	0.0	-1.1	60	60	0	60	1	C30	-75				
B32*	-	575.00	0.00	21.7	21.0	0.2	-0.7	0.0	-1.7	70	70	0	65	1	C40	-80				
B33*	-	1000.00	0.00	18.6	16.7	0.0	-0.6	0.0	-1.5	70	70	0	65	1	C40	-160				
B34*	-	1415.50	0.00	14.4	13.3	0.8	-0.2	0.0	-1.4	60	60	0	60	1	C30	-155				
B35*	-	1830.50	0.00	12.0	11.3	0.5	-0.7	0.0	-1.4	60	60	0	60	1	C30	-155				
B36*	-	2245.50	0.00	12.0	11.3	0.2	-0.8	0.0	-1.6	60	60	0	60	1	C30	-155				
B37*	-	2660.50	0.00	14.5	14.1	0.5	0.0	0.0	-1.7	60	60	0	60	1	C30	-155				
B38*	-	3181.00	0.00	14.8	14.2	0.8	0.0	0.0	-1.6	60	60	0	60	1	C30	-155				
B39*	-	3670.00	0.00	21.2	19.0	0.0	-0.5	0.0	-2.1	70	70	0	65	1	C40	-80				
B40*	-	4175.00	0.00	18.5	16.5	0.8	0.0	0.0	-1.7	70	70	0	65	1	C40	-80				
BM1*	-	0.00	2619.50	1.4	0.4	-	-	-	-	60	60	0	60	1	C30	-50				
BM2*	-	575.00	2619.50	1.8	0.6	-	-	-	-	60	60	0	60	1	C30	-50				
BM3*	-	1000.00	2619.50	1.6	0.5	-	-	-	-	60	60	0	60	1	C30	-50				
BM4*	-	1415.50	2619.50	0.5	0.4	-	-	-	-	60	60	0	60	1	C30	-50				
BM5*	-	1830.50	2619.50	3.3	1.0	-	-	-	-	60	60	0	60	1	C30	-50				
BM6*	-	2245.50	2619.50	2.1	0.7	-	-	-	-	60	60	0	60	1	C30	-50				
BM7*	-	2660.50	2619.50	3.2	0.9	-	-	-	-	60	60	0	60	1	C30	-50				
BM8*	-	3181.00	2619.50	2.0	0.7	-	-	-	-	60	60	0	60	1	C30	-50				

LOCAÇÃO DAS ESTACAS											
Bloco	Nome	Tip	Coordenada X (cm)	Coordenada Y (cm)	Carga máx. (tf)	Carga mín. (tf)	Força horiz. máx. (tf)	Força horiz. mín. (tf)	CA (cm)	Ponta (cm)	Comp. (cm)
B1	E1-1	C30	0.00	1661.00	16.55	15.69	0.8	0.44	-75	-375	800
B2	E2-1	C30	575.00	1660.50	1.61	1.56	0.25	0.01	-75	-375	300
B3	E3-1	C30	1000.00	1661.00	22.52	21.67	1.93	1.06	-100	-900	700
B4	E4-1	C30	1415.50	1661.00	13.80	13.04	1.60	1.12	-155	-955	700
B5	E5-1	C30	1830.50	1661.00	12.88	12.28	1.47	1.07	-155	-955	700
B6	E6-1	C30	2245.50	1661.00	12.91	12.20	1.52	1.06	-155	-955	700
B7	E7-1	C30	2660.50	1661.00	15.13	14.41	1.61	1.53	-155	-955	700
B8	E8-1	C40	3181.00	1661.00	19.89	18.68	0.96	0.43	-80	-780	700
B9	E9-1	C40	3670.00	1661.00	25.06	20.96	0.99	0.03	-80	-800	700
B10	E10-1	C40	4175.00	1661.00	19.01	15.91	1.21	0.42	-80	-780	700
B11	E11-1	C30	0.00	1021.00	16.30	14.90	0.98	0.45	-75	-375	800
B12	E12-1	C30	575.00	1000.00	10.70	8.24	0.60	0.20	-75	-375	800
B13	E13-1	C30	1000.00	1021.00	5.85	5.70	1.15	0.42	-155	-955	400
B14	E14-1	C30	1415.50	1021.00	6.06	5.32	2.05	0.89	-155	-955	400
B15	E15-1	C30	1830.50	1021.00	6.06	5.30	1.95	0.63	-155	-955	400
B16	E16-1	C30	2245.50	1021.00	5.38	5.29	1.96	0.77	-155	-955	400
B17	E17-1	C40	2660.50	1021.00	5.98	5.29	1.96	0.77	-155	-955	400
B18	E18-1	C40	3181.00	1021.00	13.25	10.96	0.94	0.40	-75	-375	700
B19	E19-1	C40	3670.00	1021.00	21.28	14.79	1.25	0.51	-80	-780	700
B20	E20-1	C40	4175.00	1021.00	18.31	15.42	1.34	0.36	-80	-780	700
B21	E21-1	C40	0.00	640.00	20.54	18.33	1.06	0.47	-80	-780	700
B22	E22-1	C40	575.00	640.00	25.48	22.13	1.06	0.99	-80	-800	700
B23	E23-1	C40	1000.00	640.00	14.20	12.77	1.82	0.44	-155	-955	700
B24	E24-1	C40	1415.50	640.00	5.87	5.22	1.73	0.63	-155	-955	400
B25	E25-1	C30	1830.50	640.00	6.10	5.35	1.82	0.64	-155	-955	400
B26	E26-1	C40	2245.50	640.00	8.30	5.34	1.95	0.40	-155	-955	400
B27	E27-1	C40	2660.50	640.00	8.44	5.30	1.16	0.44	-155	-955	400
B28	E28-1	C30	3181.00	640.00	6.58	5.95	2.04	0.94	-75	-475	400
B29	E29-1	C30	3670.00	640.00	14.45	12.25	2.18	1.39	-75	-475	700
B30	E30-1	C40	4175.00	640.00	19.18	17.45	1.90	0.79	-80	-780	700
B31	E31-1	C30	0.00	0.00	15.13	13.46	1.23	0.82	-75	-375	700
B32	E32-1	C40	575.00	0.00	24.39	21.74	1.71	1.00	-80	-800	800
B33	E33-1	C40	1000.00	0.00	19.35	17.37	1.48	1.36	-160	-800	700
B34	E34-1	C40	1415.50	0.00	12.45	11.75	1.51	1.05	-155	-955	700
B35	E35-1	C40	1830.50	0.00	12.50	11.75	1.45	1.05	-155	-955	700
B36	E36-1	C30	2245.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B37	E37-1	C30	2660.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B38	E38-1	C30	3181.00	0.00	14.59	13.91	1.77	1.42	-175	-775	700
B39	E39-1	C30	3670.00	0.00	21.28	14.79	1.25	0.51	-80	-780	700
B40	E40-1	C40	4175.00	0.00	19.21	17.47	1.76	1.01	-80	-780	700
B41	E41-1	C40	0.00	0.00	20.54	18.33	1.06	0.47	-80	-780	700
B42	E42-1	C40	575.00	0.00	25.48	23.44	1.06	0.99	-80	-800	700
B43	E43-1	C40	1000.00	0.00	14.20	12.77	1.82	0.44	-155	-955	700
B44	E44-1	C30	1415.50	0.00	5.87	5.22	1.73	0.63	-155	-955	400
B45	E45-1	C30	1830.50	0.00	6.10	5.35	1.82	0.64	-155	-955	400
B46	E46-1	C30	2245.50	0.00	8.30	5.34	1.95	0.40	-155	-955	400
B47	E47-1	C30	2660.50	0.00	8.44	5.30	1.16	0.44	-155	-955	400
B48	E48-1	C30	3181.00	0.00	6.58	5.95	2.04	0.94	-75	-475	400
B49	E49-1	C30	3670.00	0.00	14.45	12.25	2.18	1.39	-75	-475	700
B50	E50-1	C40	4175.00	0.00	19.18	17.45	1.90	0.79	-80	-780	700
B51	E51-1	C40	0.00	0.00	15.13	13.46	1.23	0.82	-75	-375	700
B52	E52-1	C40	575.00	0.00	24.39	21.74	1.71	1.00	-80	-800	800
B53	E53-1	C40	1000.00	0.00	19.35	17.37	1.48	1.36	-160	-800	700
B54	E54-1	C40	1415.50	0.00	12.45	11.75	1.51	1.05	-155	-955	700
B55	E55-1	C40	1830.50	0.00	12.50	11.75	1.45	1.05	-155	-955	700
B56	E56-1	C30	2245.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B57	E57-1	C30	2660.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B58	E58-1	C30	3181.00	0.00	14.59	13.91	1.77	1.42	-175	-775	700
B59	E59-1	C30	3670.00	0.00	21.28	14.79	1.25	0.51	-80	-780	700
B60	E60-1	C40	4175.00	0.00	19.21	17.47	1.76	1.01	-80	-780	700
B61	E61-1	C40	0.00	0.00	20.54	18.33	1.06	0.47	-80	-780	700
B62	E62-1	C40	575.00	0.00	25.48	23.44	1.06	0.99	-80	-800	700
B63	E63-1	C40	1000.00	0.00	14.20	12.77	1.82	0.44	-155	-955	700
B64	E64-1	C30	1415.50	0.00	5.87	5.22	1.73	0.63	-155	-955	400
B65	E65-1	C30	1830.50	0.00	6.10	5.35	1.82	0.64	-155	-955	400
B66	E66-1	C30	2245.50	0.00	8.30	5.34	1.95	0.40	-155	-955	400
B67	E67-1	C30	2660.50	0.00	8.44	5.30	1.16	0.44	-155	-955	400
B68	E68-1	C30	3181.00	0.00	6.58	5.95	2.04	0.94	-75	-475	400
B69	E69-1	C30	3670.00	0.00	14.45	12.25	2.18	1.39	-75	-475	700
B70	E70-1	C40	4175.00	0.00	19.18	17.45	1.90	0.79	-80	-780	700
B71	E71-1	C40	0.00	0.00	15.13	13.46	1.23	0.82	-75	-375	700
B72	E72-1	C40	575.00	0.00	24.39	21.74	1.71	1.00	-80	-800	800
B73	E73-1	C40	1000.00	0.00	19.35	17.37	1.48	1.36	-160	-800	700
B74	E74-1	C40	1415.50	0.00	12.45	11.75	1.51	1.05	-155	-955	700
B75	E75-1	C40	1830.50	0.00	12.50	11.75	1.45	1.05	-155	-955	700
B76	E76-1	C30	2245.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B77	E77-1	C30	2660.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B78	E78-1	C30	3181.00	0.00	14.59	13.91	1.77	1.42	-175	-775	700
B79	E79-1	C30	3670.00	0.00	21.28	14.79	1.25	0.51	-80	-780	700
B80	E80-1	C40	4175.00	0.00	19.21	17.47	1.76	1.01	-80	-780	700
B81	E81-1	C40	0.00	0.00	20.54	18.33	1.06	0.47	-80	-780	700
B82	E82-1	C40	575.00	0.00	25.48	23.44	1.06	0.99	-80	-800	700
B83	E83-1	C40	1000.00	0.00	14.20	12.77	1.82	0.44	-155	-955	700
B84	E84-1	C30	1415.50	0.00	5.87	5.22	1.73	0.63	-155	-955	400
B85	E85-1	C30	1830.50	0.00	6.10	5.35	1.82	0.64	-155	-955	400
B86	E86-1	C30	2245.50	0.00	8.30	5.34	1.95	0.40	-155	-955	400
B87	E87-1	C30	2660.50	0.00	8.44	5.30	1.16	0.44	-155	-955	400
B88	E88-1	C30	3181.00	0.00	6.58	5.95	2.04	0.94	-75	-475	400
B89	E89-1	C30	3670.00	0.00	14.45	12.25	2.18	1.39	-75	-475	700
B90	E90-1	C40	4175.00	0.00	19.18	17.45	1.90	0.79	-80	-780	700
B91	E91-1	C40	0.00	0.00	15.13	13.46	1.23	0.82	-75	-375	700
B92	E92-1	C40	575.00	0.00	24.39	21.74	1.71	1.00	-80	-800	800
B93	E93-1	C40	1000.00	0.00	19.35	17.37	1.48	1.36	-160	-800	700
B94	E94-1	C40	1415.50	0.00	12.45	11.75	1.51	1.05	-155	-955	700
B95	E95-1	C40	1830.50	0.00	12.50	11.75	1.45	1.05	-155	-955	700
B96	E96-1	C30	2245.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B97	E97-1	C30	2660.50	0.00	12.46	11.75	1.54	1.05	-155	-955	700
B98	E98-1	C30	3181.00	0.00	14.59	13.91	1.77	1.42	-175	-775	700
B99	E99-1	C30	3670.00	0.00	21.28	14.79	1.25	0.51	-80	-780	700
B100	E100-1	C40	4175.00	0.00	19.21	17.47	1.76	1.01	-80	-780	700



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x30	0	-110
V2	14x30	0	-110
V3	14x30	0	-110
V4	14x30	0	-110
V5	14x30	-10	-120
V6	14x30	-10	-120

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Legenda das vigas e paredes	
Viga	

Forma do pavimento Subsolo (Nível -110)
escala 1:50

CARIMBOS:



LOCAL:
REALIZA-PR
OBRA:
CLINICA DE GRANDES ANIMAIS
PROJETO:
ESTRUTURAL
CONTEUDO:
PLANTA DE FORMAS - SUBSOLO
ENDEREÇO:
AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL

FASE:
EXECUTIVO
REVISÃO Nº:
R00
DATA:
29/06/2022
DESENHADO POR:
RODRIGO
NOME DO ARQUIVO:
CLINICA-GRANDES-ANIMAIS_UFFS_RL_E131.DWG

ESCALA:
1:50
TAMANHO FOLHA:
1260X594
Nº PRANCHA:
02
19



Detalhe Genérico do Piso

s/ escala

0

LASTRO DE BRITA

SAIBRO COMPACTADO
(mínimo 20 cm. de espessura
compactação mecânica)

MALHA Q-138 ou
e \geq 6 mm c/ 15x15 cm
VIGA
(OU PILAR)

RESUMO DO AÇO			
AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA60	4.2	198.0	1065.9
PESO TOTAL CA60		1065.9	

vol. total de concreto (C-25) = 46.18 m³
 área total de forma = 0.00 m²
 área de contrapiso interno (h=10cm) = 461.75 m²

CARIMBOS

LOCAL: REALIZE-PR	FASE: EXECUTIVO	ESCALA: 1:50
OBRA: CLÍNICA DE GRANDES ANIMAIS	REVISÃO Nº: R00	TAMANHO FOLHA: 1260X594
PROJETO: ESTRUTURAL	DATA: 29/06/2022	Nº PRANCHA:
CONTEÚDO: PLANTA DE FORMAS - BALDRAME	DESENHADO POR: RODRIGO	
ENDEREÇO: AVENIDA EDMUNDO GAEVSKI, 1000, ZONA RAIAL	NOME DO ARQUIVO: L0004 - GRANDES ANIMAIS - PLT_001_1702	

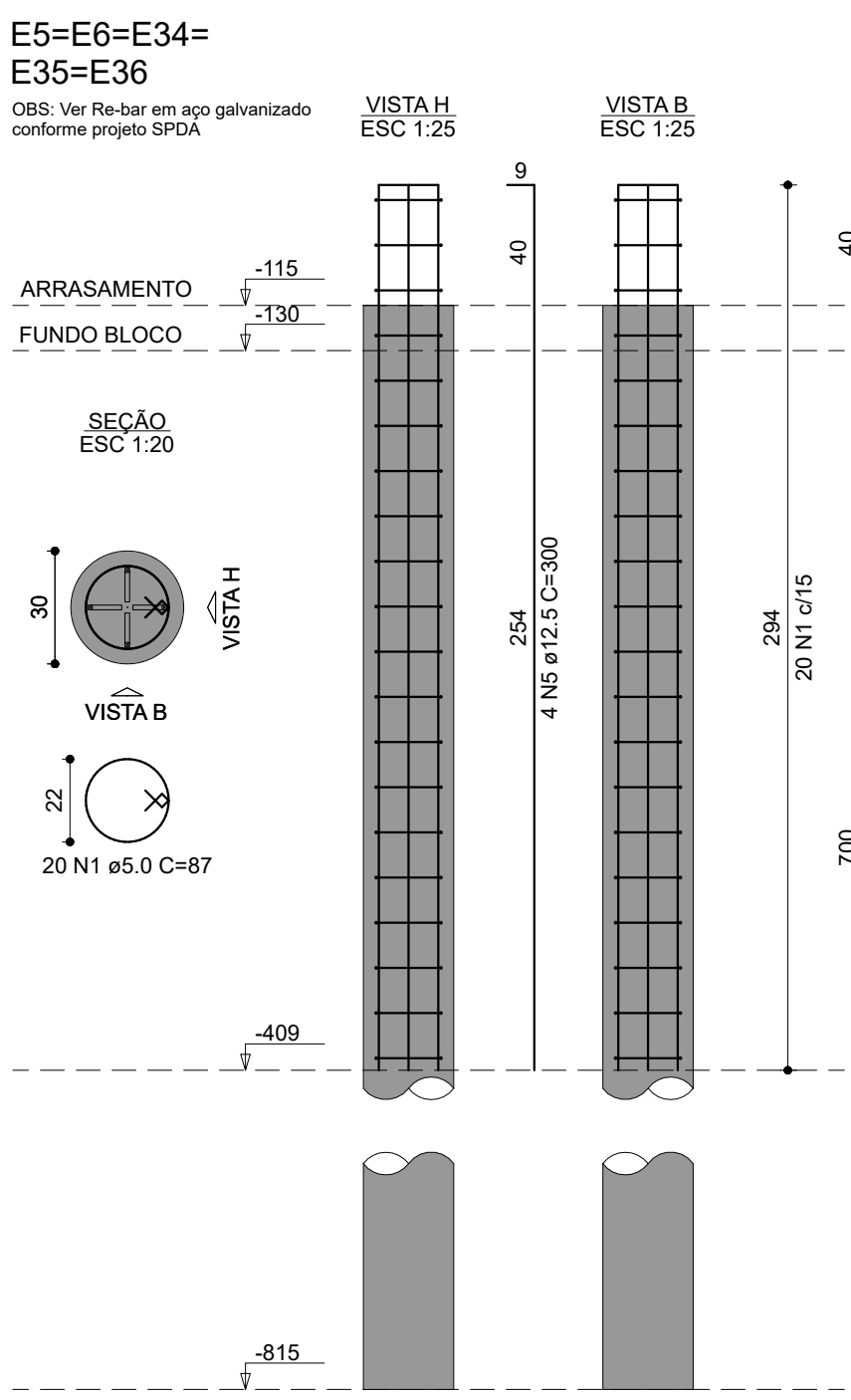
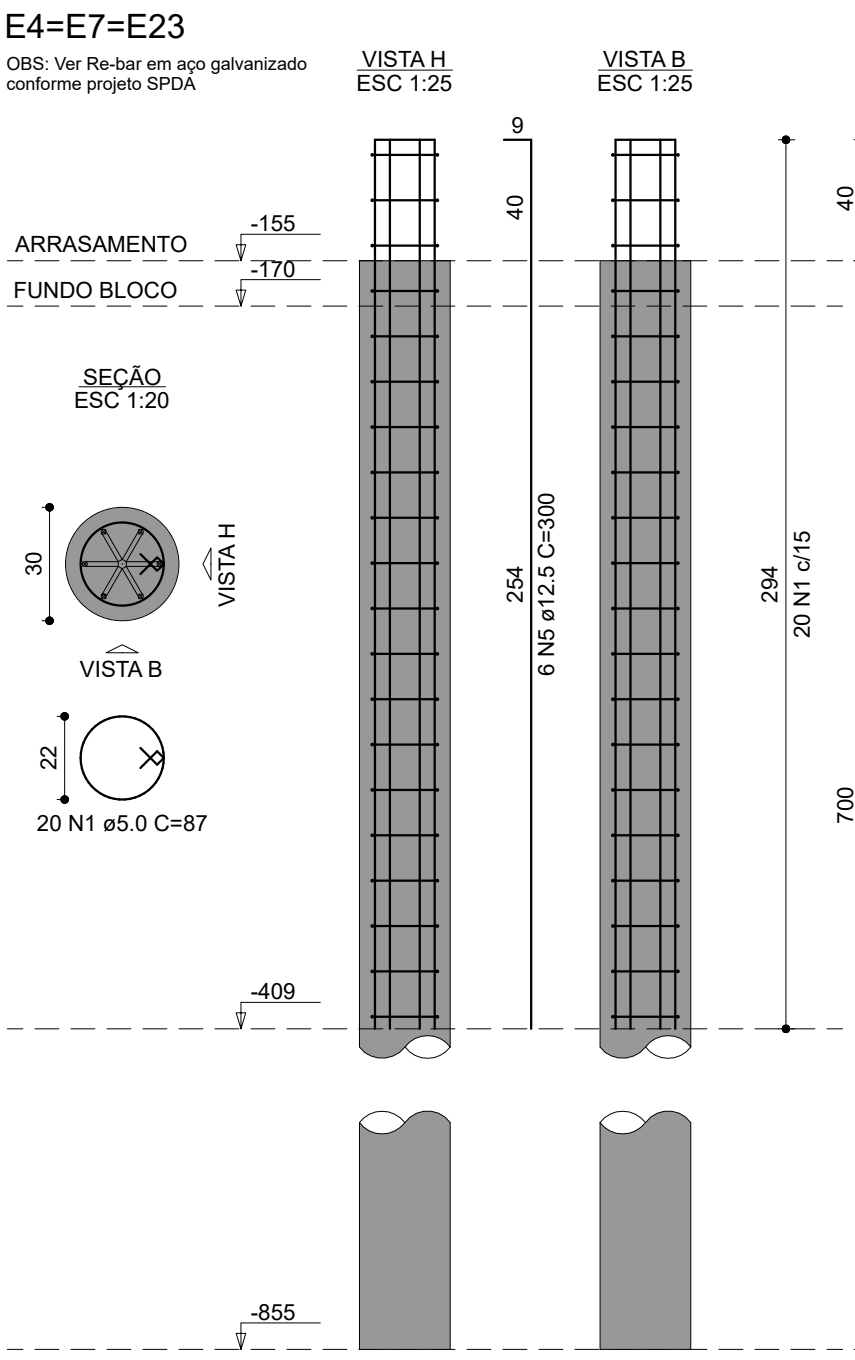
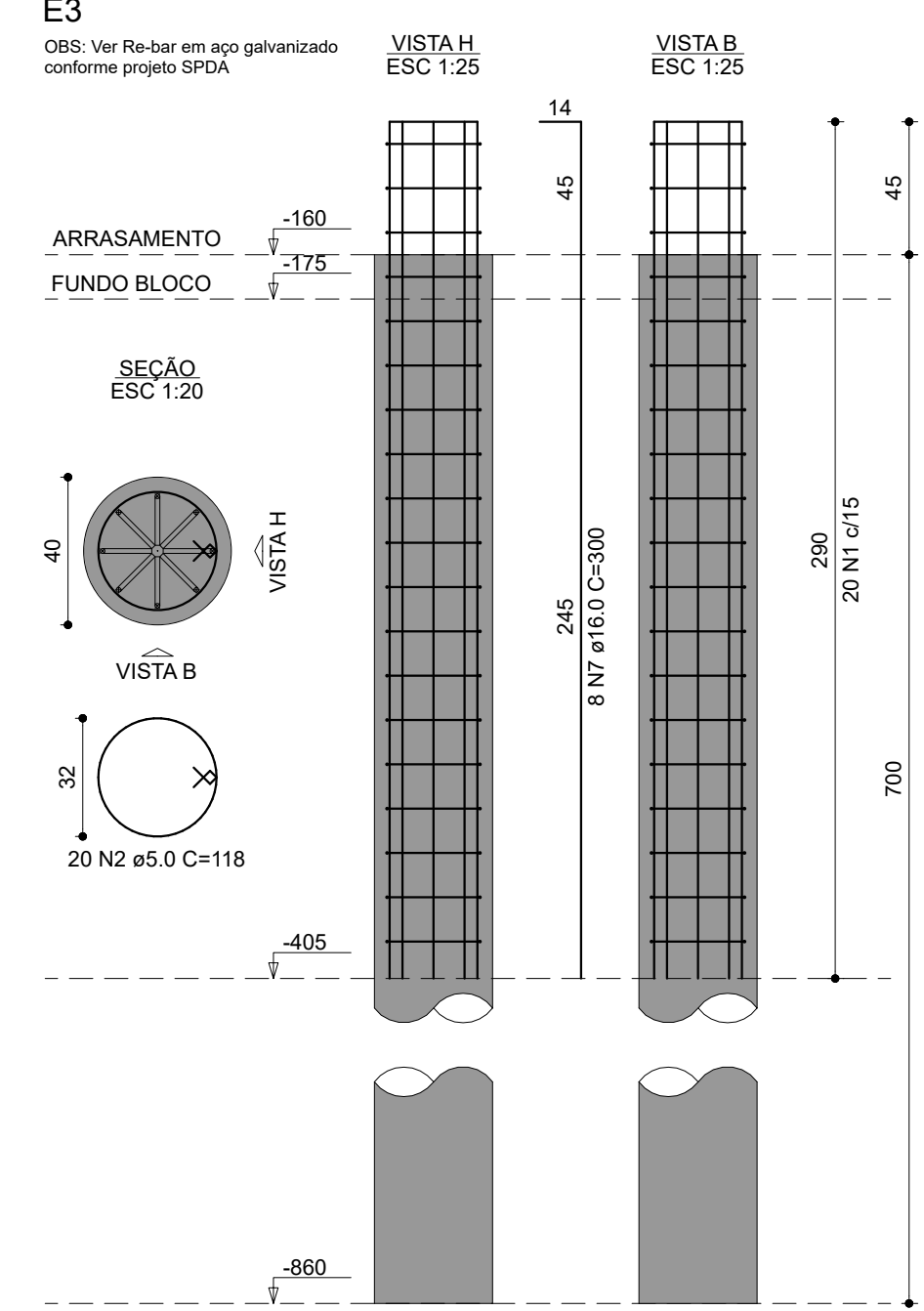
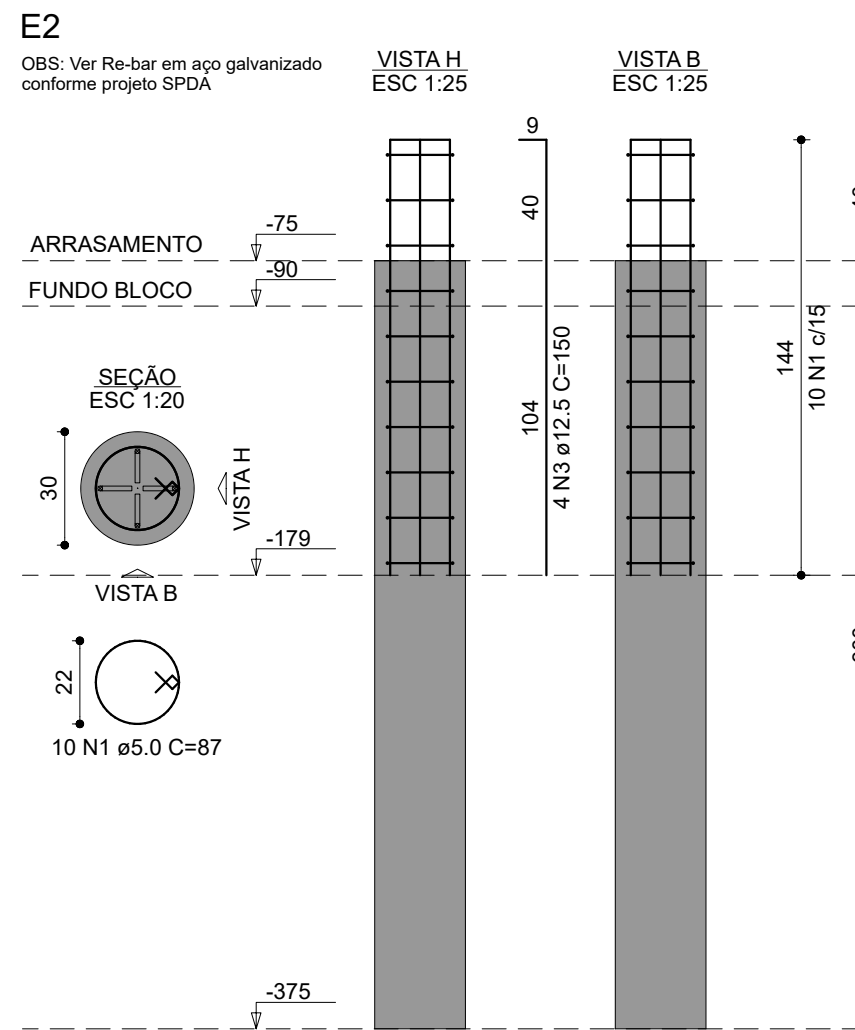
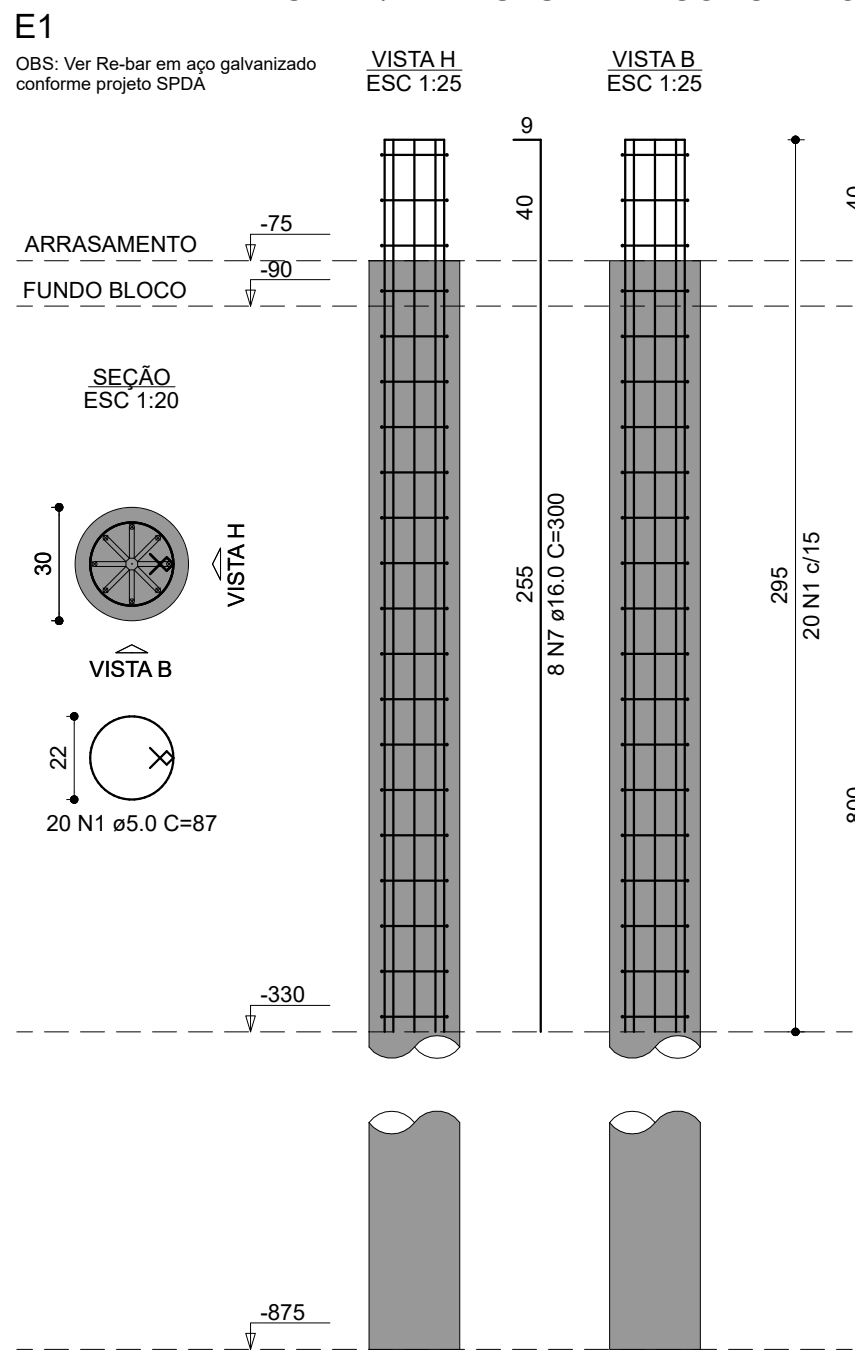


LOCAL: REALIZA-PR	FASE: EXECUTIVO	ESCALA: 1:50
OBRA: CLINICA DE GRANDES ANIMAIS	REVISÃO Nº: R00	TAMANHO FOLHA: 1260X594
PROJETO: ESTRUTURAL	DATA: 29/06/2022	Nº PRANCHA: 04
CONTEUDO: PLANTA DE FORMAS - INTERMEDIÁRIO	DESENHADO POR: RODRIGO	19
ENDEREÇO: AVENIDA EDMUNDO GAIEVSKI, 1000, ZONA RURAL	NOME DO ARQUIVO: CLINICA DE GRANDES ANIMAIS - PRJ_001.DWG	

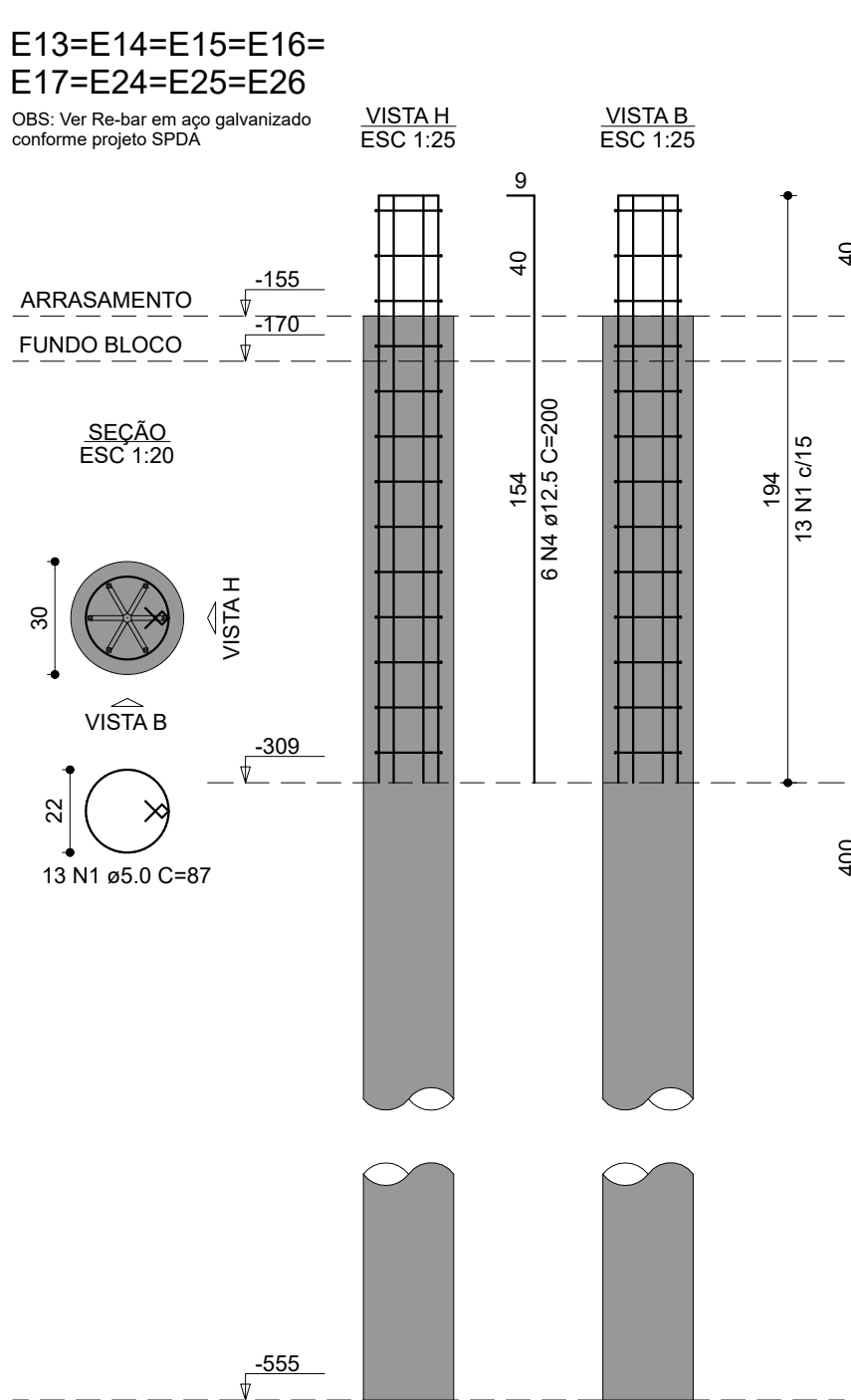
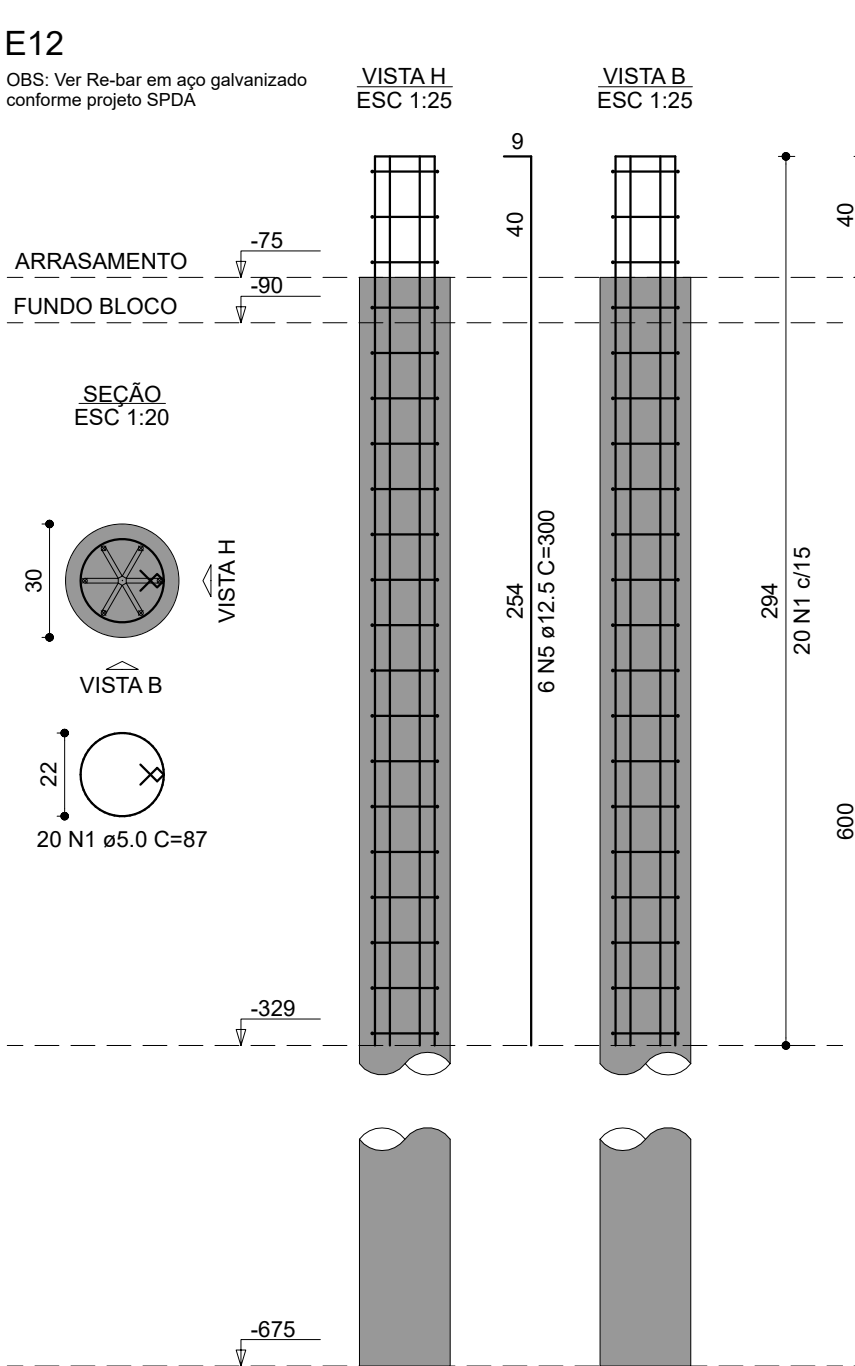
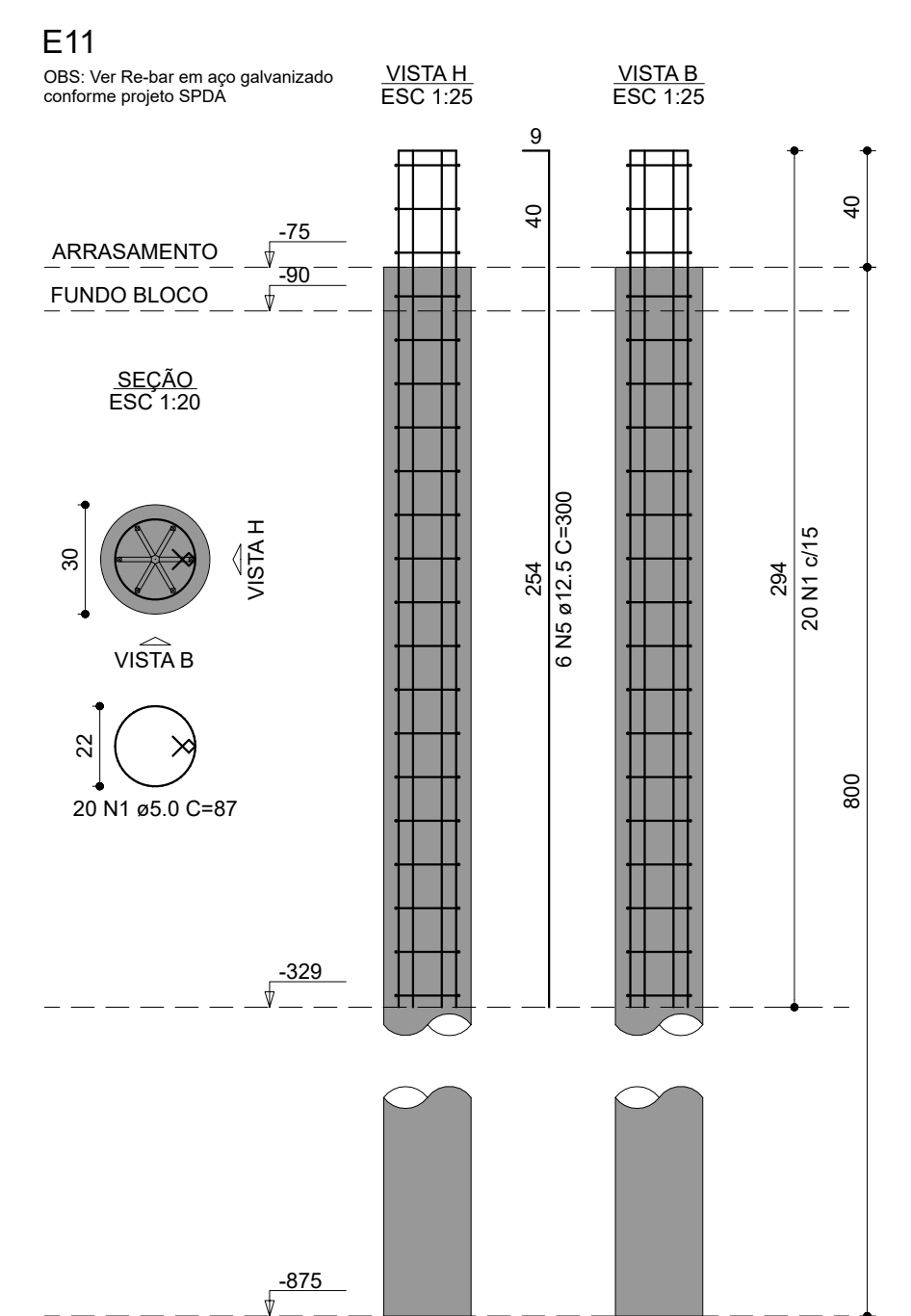
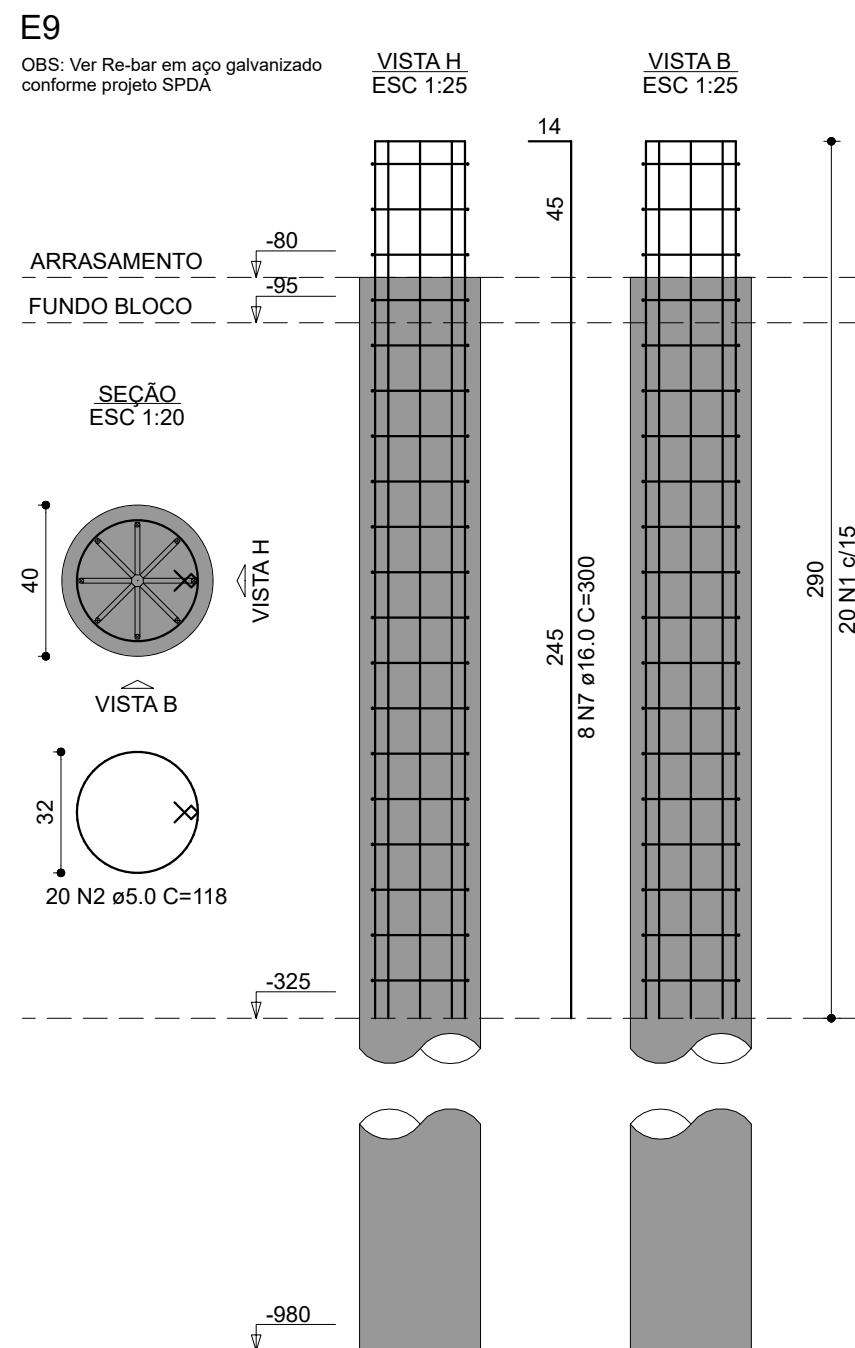
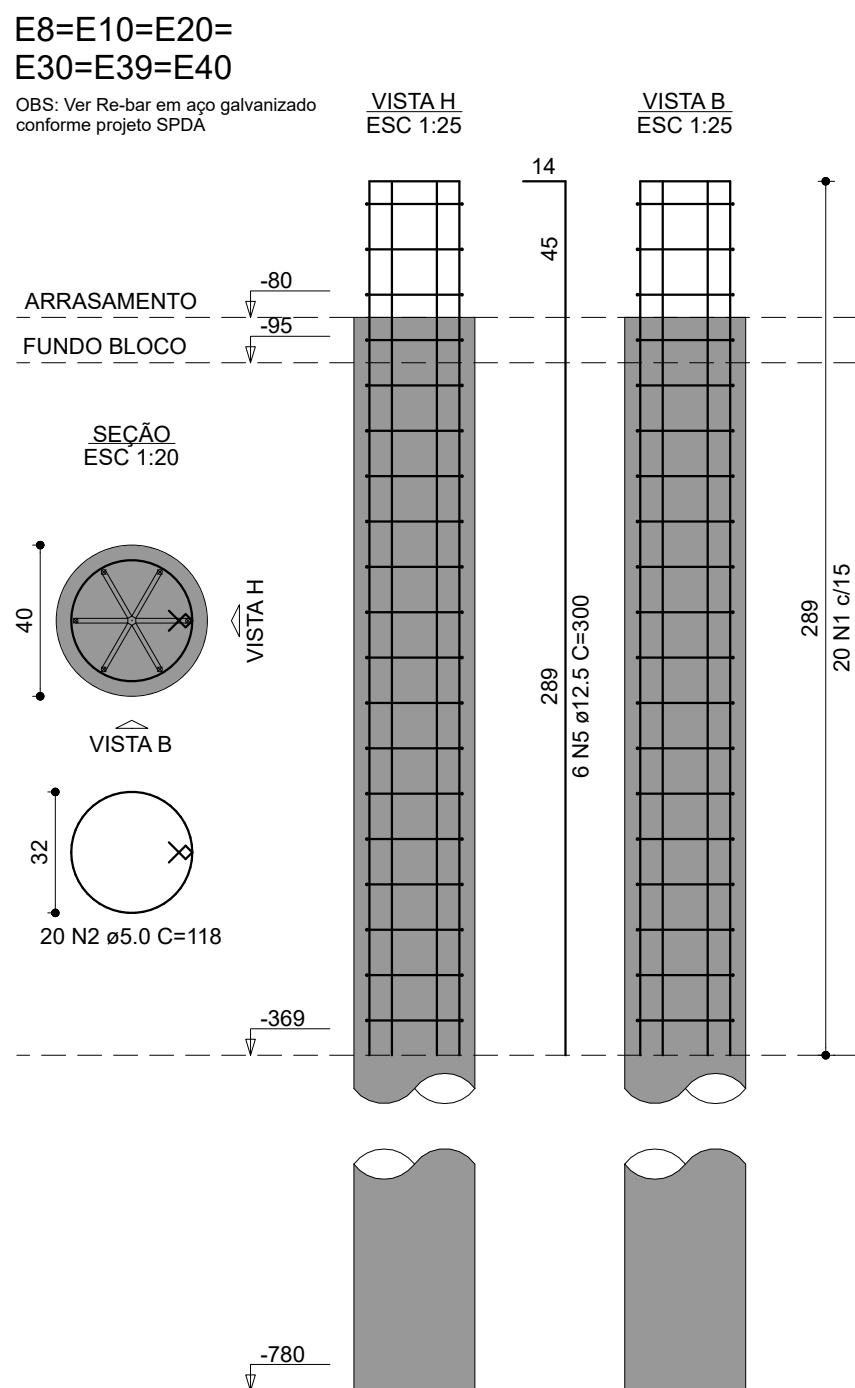
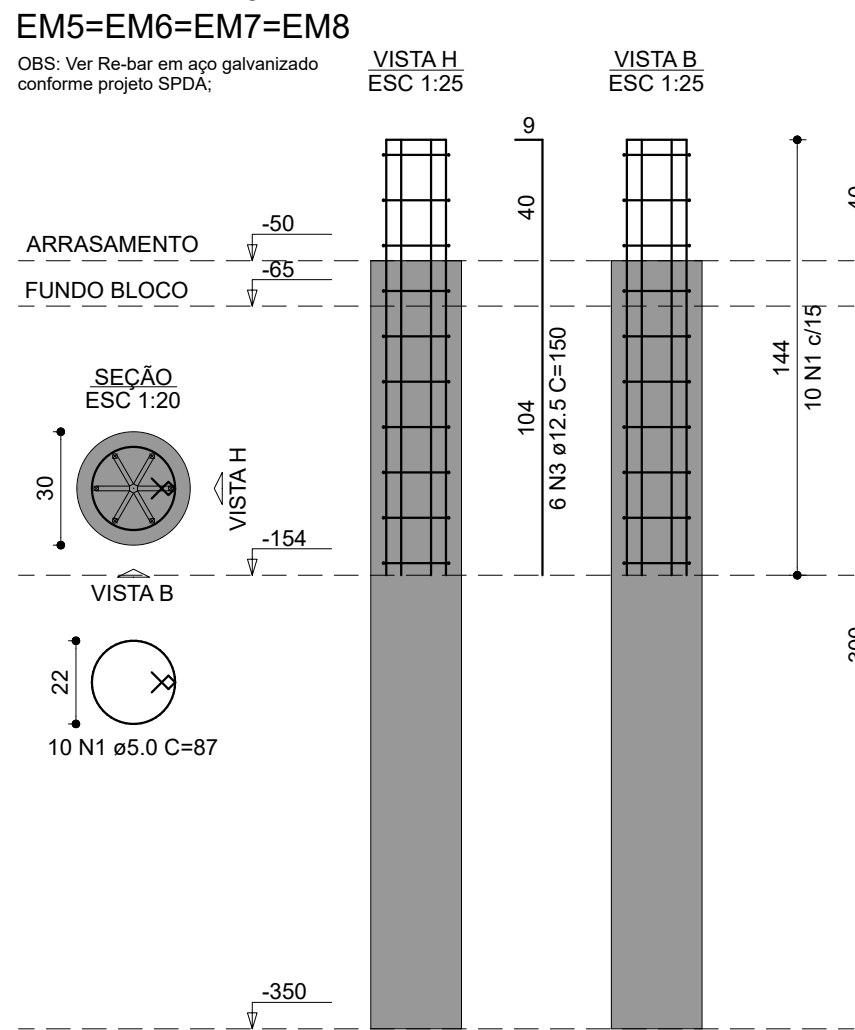


LOCAL: REALEZA-PR	FASE: EXECUTIVO	ESCALA: 1:50
OBRA: CLÍNICA DE GRANDES ANIMAIS	REVISÃO Nº: R00	TAMANHO FOLHA: 120X554
PROJETO: ESTRUCTURAL	DATA: 29/06/2022	Nº PRANCHA: 05
CONTEÚDO: PLANTA DE FORMAS - SUPERIOR	DESENHADO POR: RODRIGO	19
ENDEREÇO: AVENIDA EDMUNDO GAIJEVSKI, 1000, ZONA URBAL	NOME DO ARQUIVO: 20220629-REALEZA-PR-05-19	

DETALHE - ESTACAS P/ ESTRUTURA DE CONCRETO



DETALHE - ESTACAS P/ ESTRUTURA METÁLICA



RELAÇÃO DO AÇO

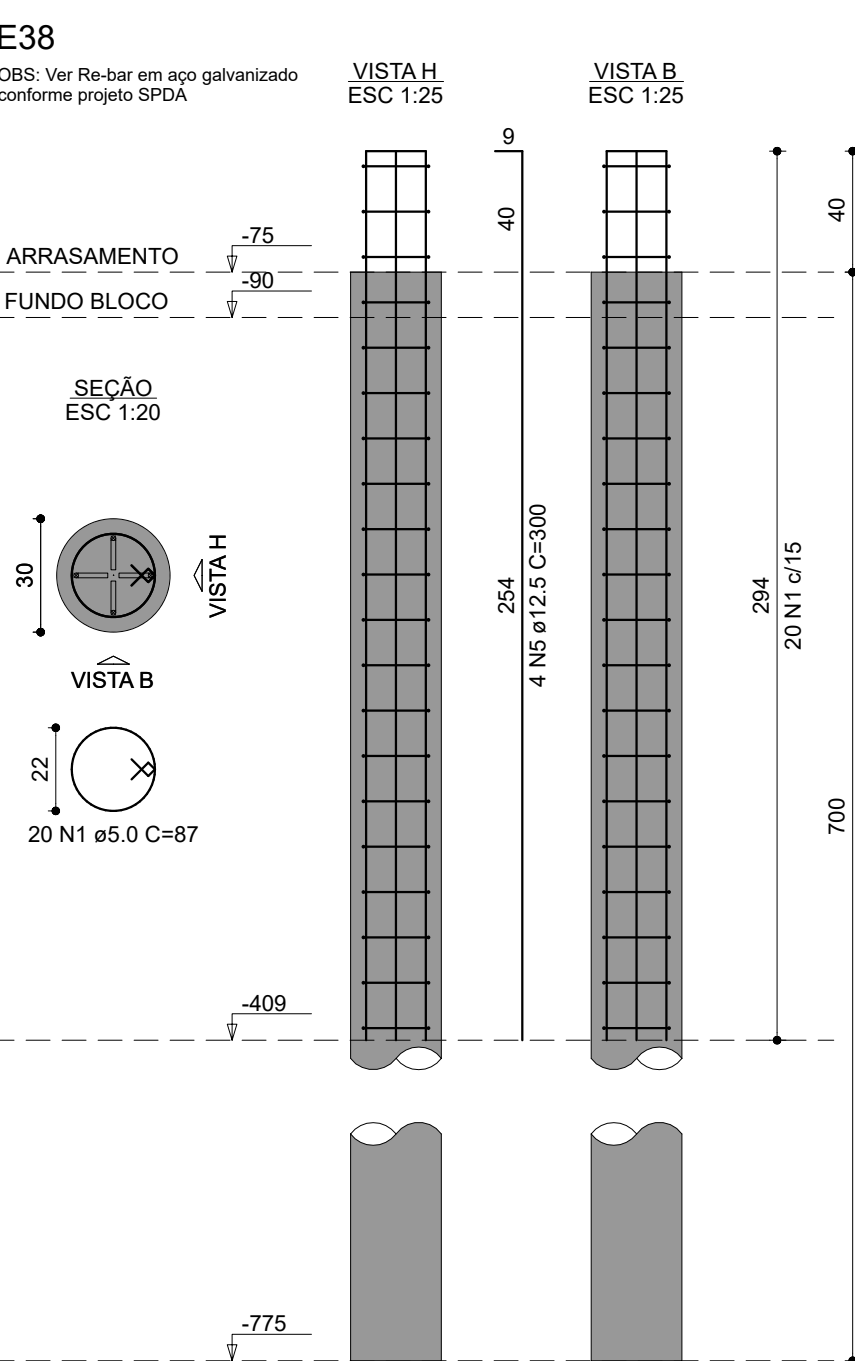
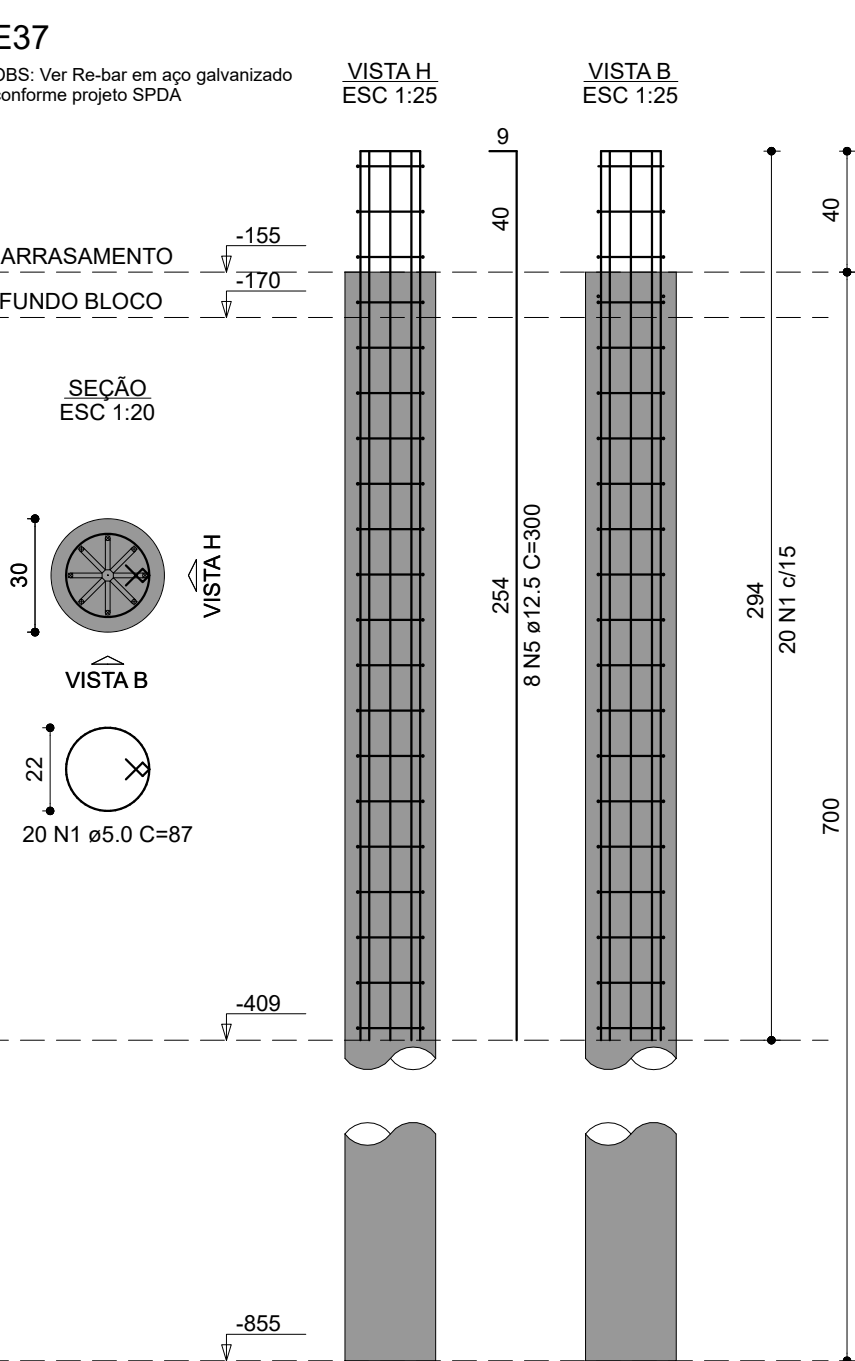
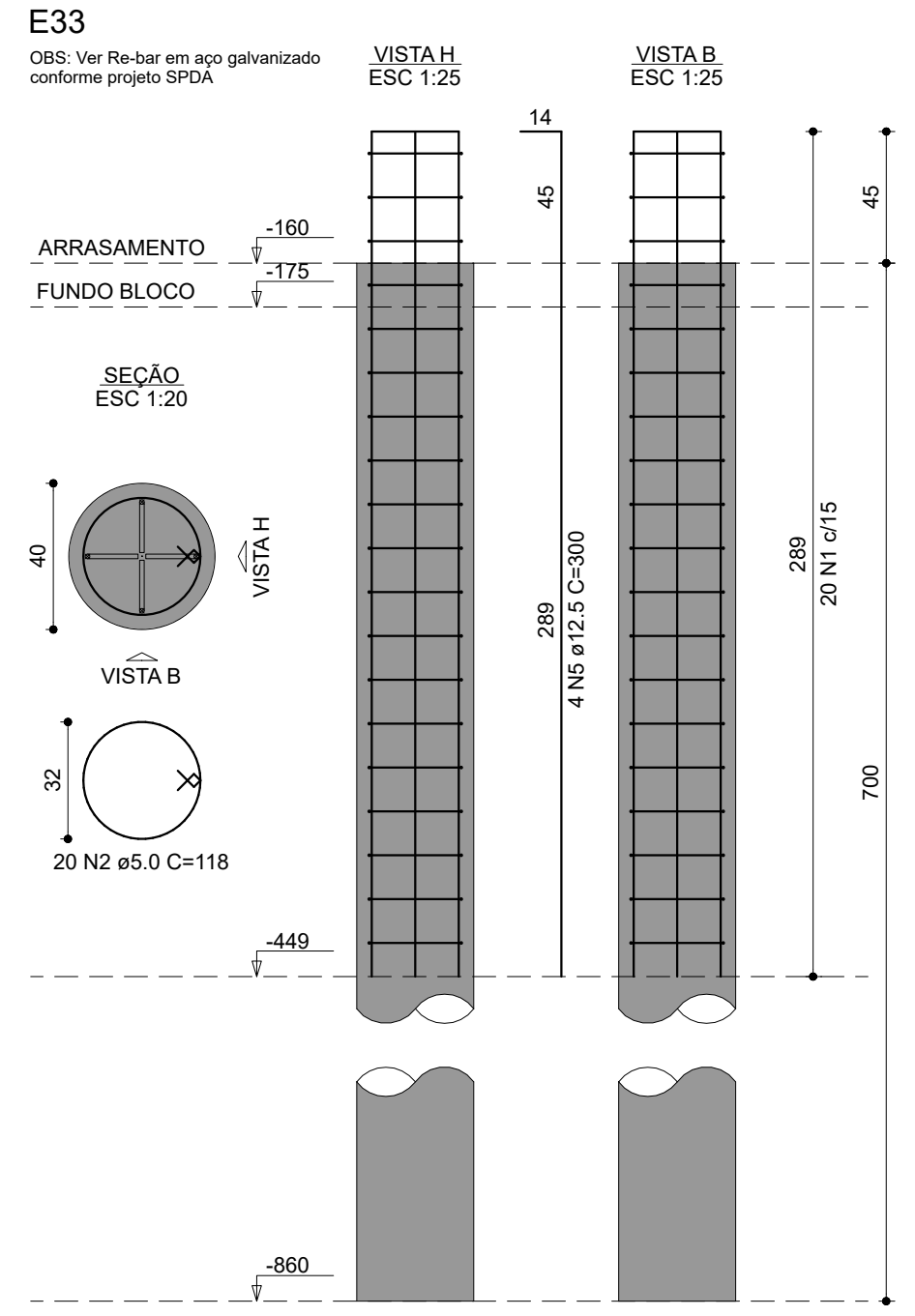
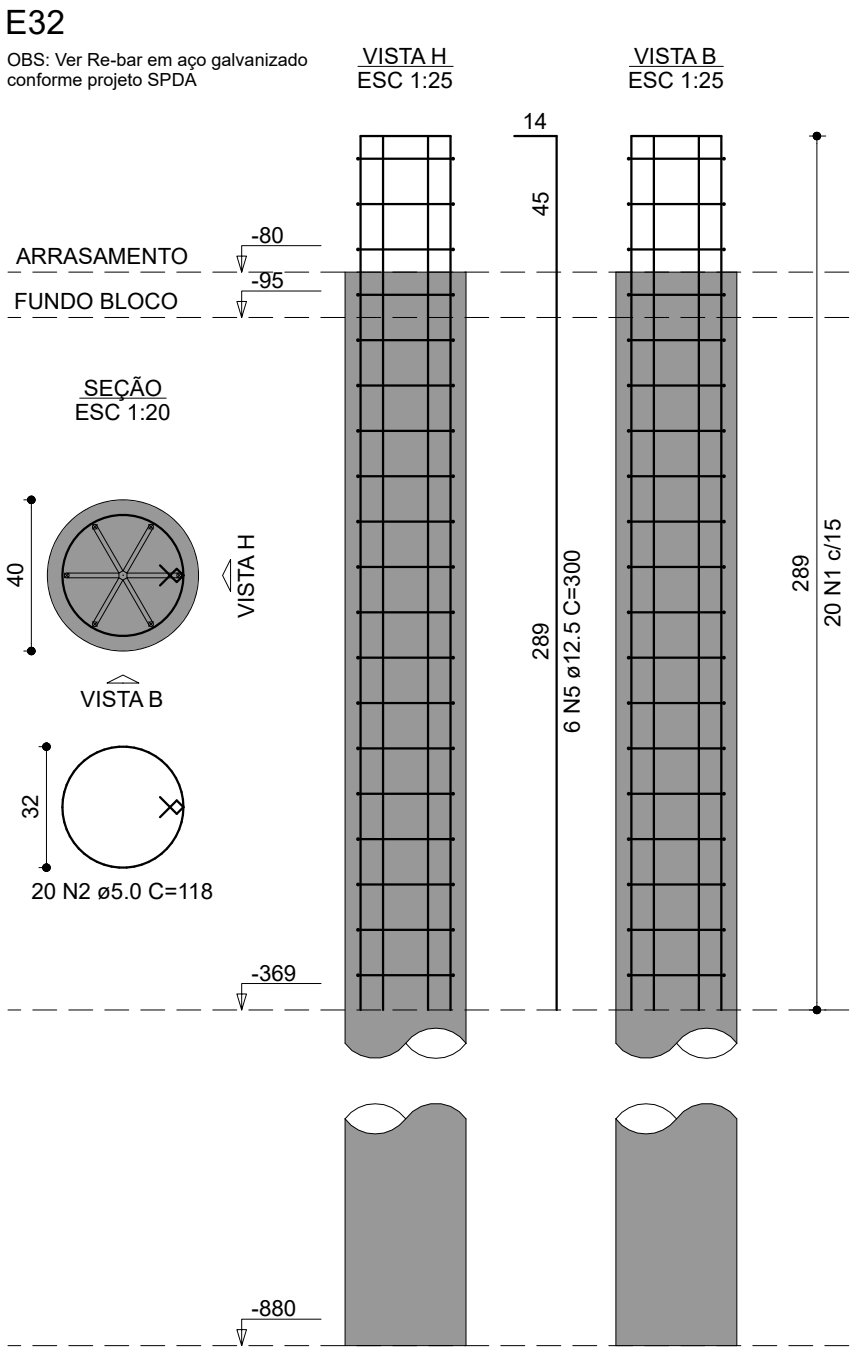
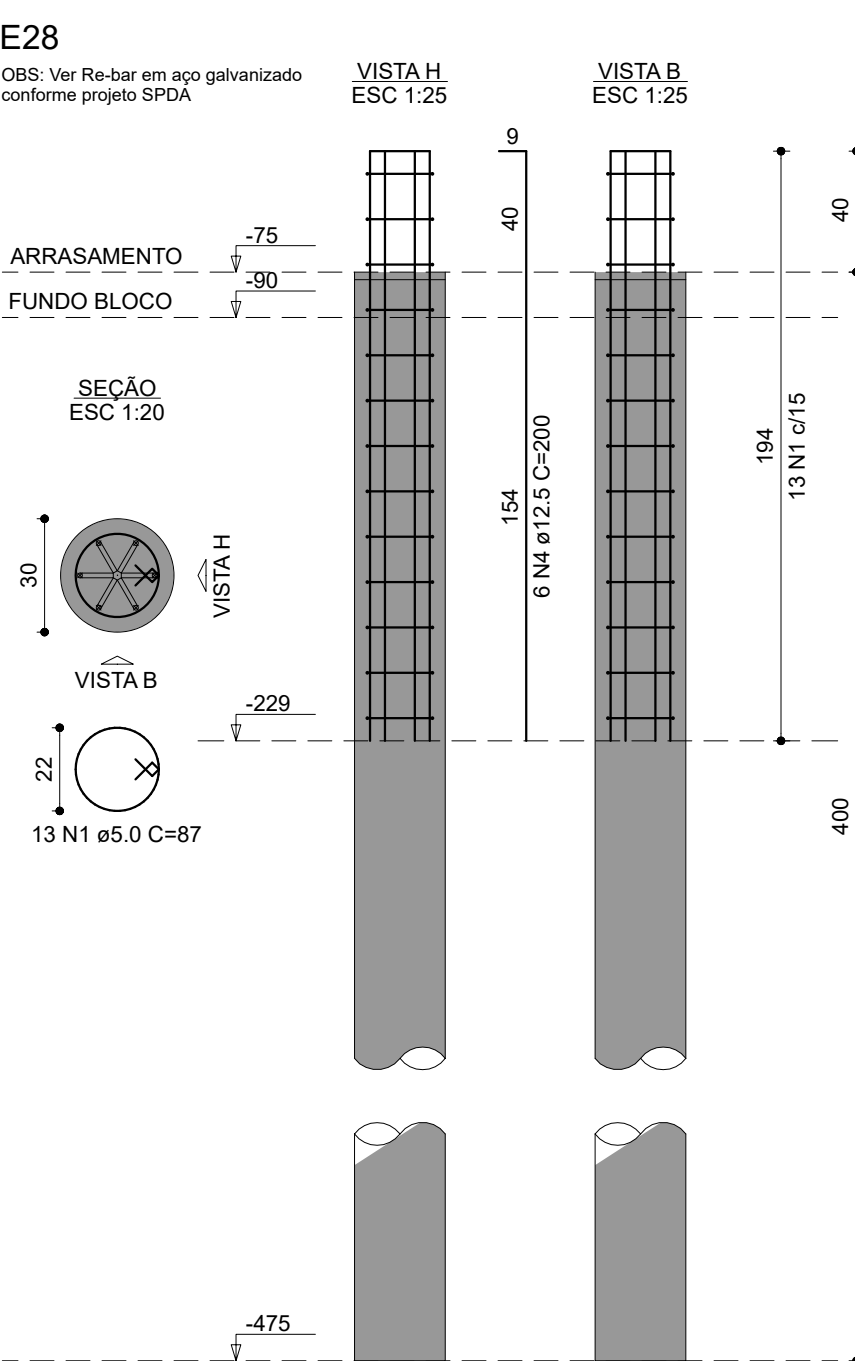
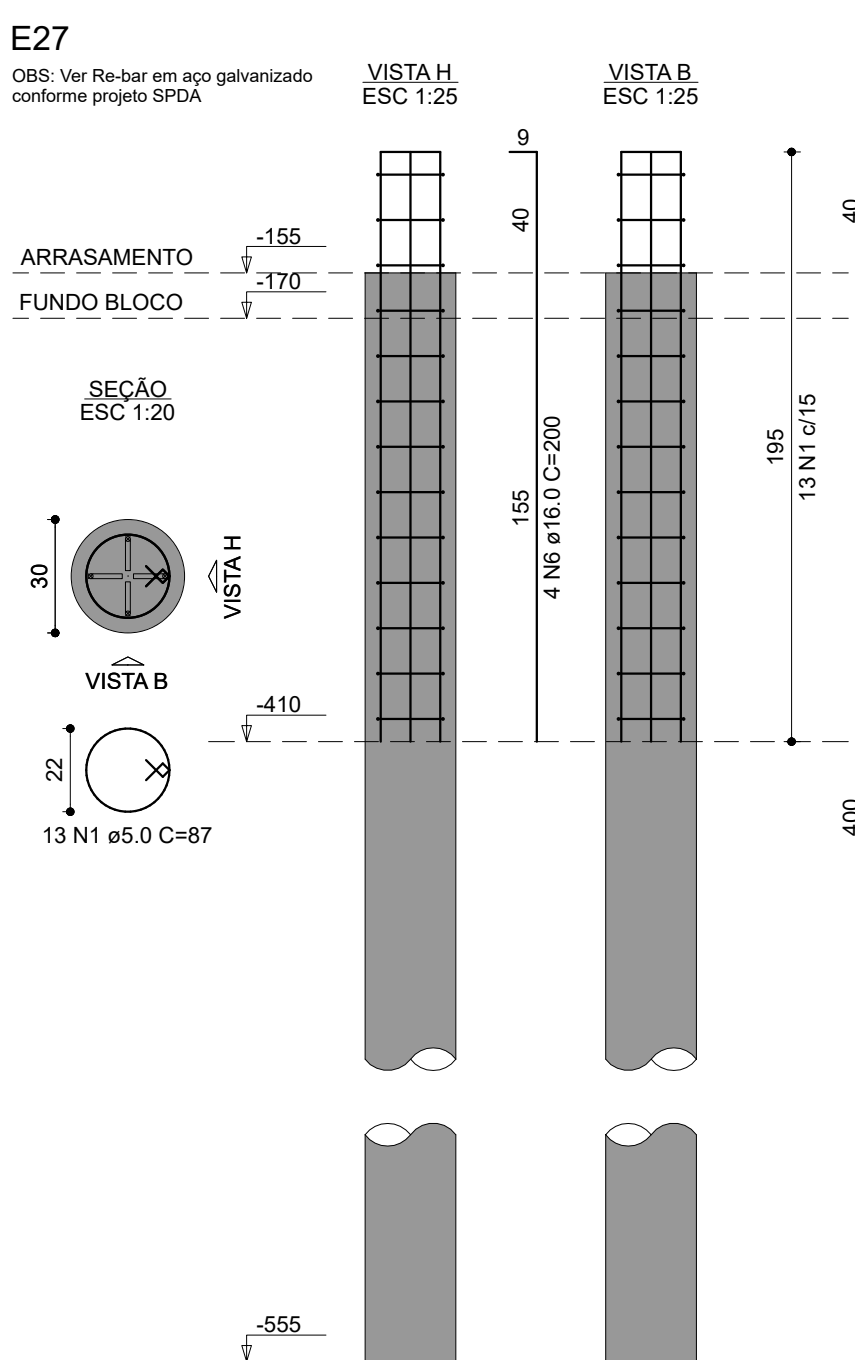
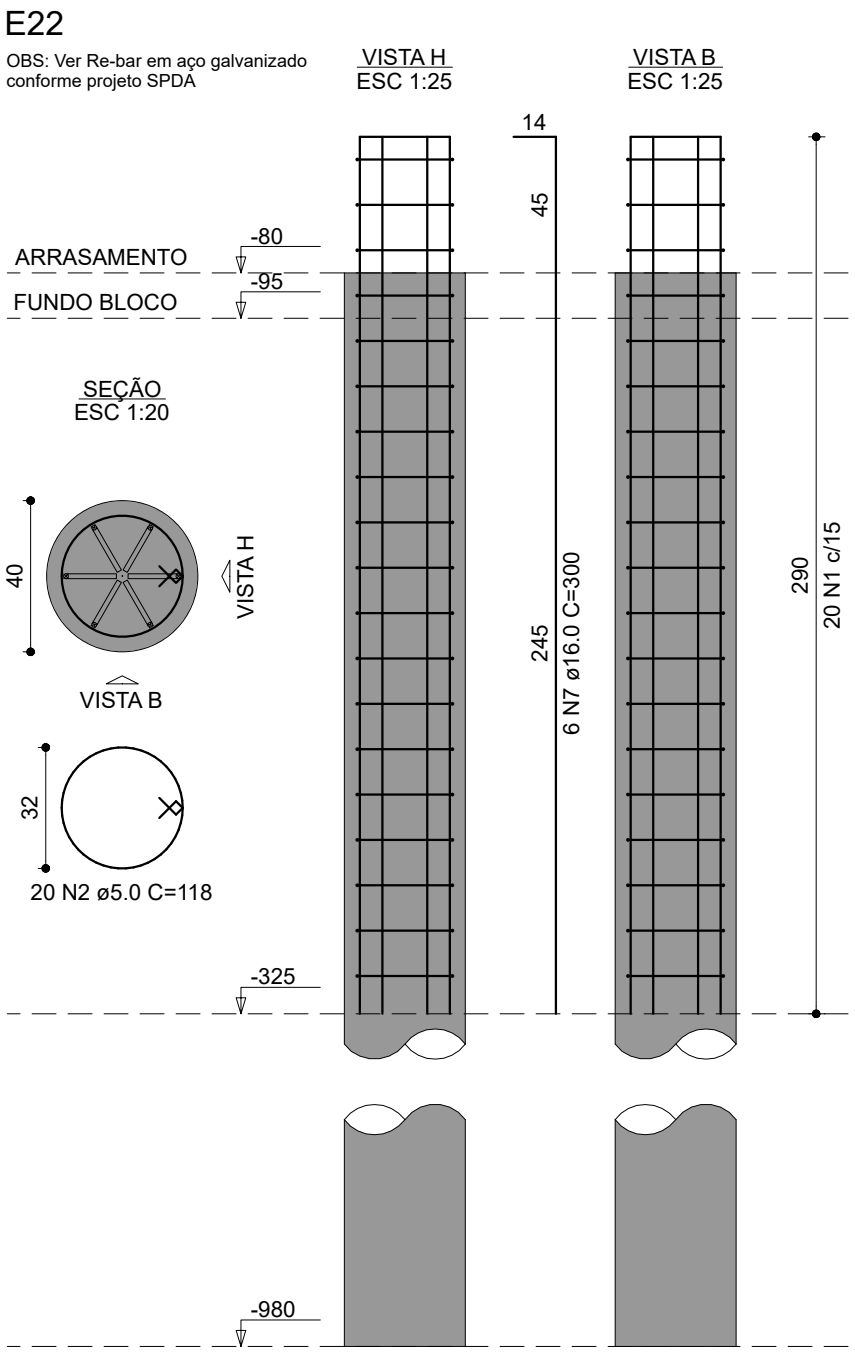
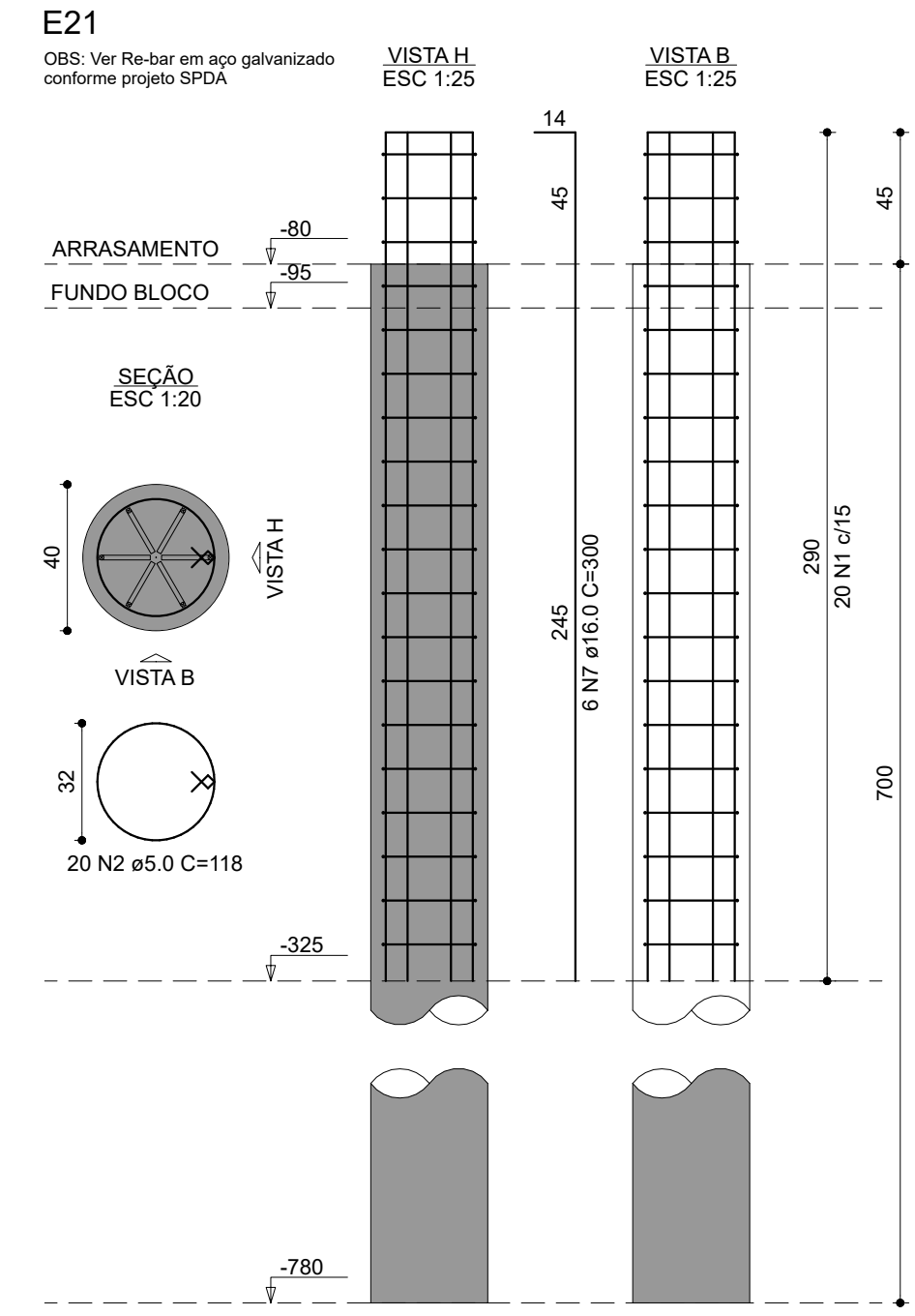
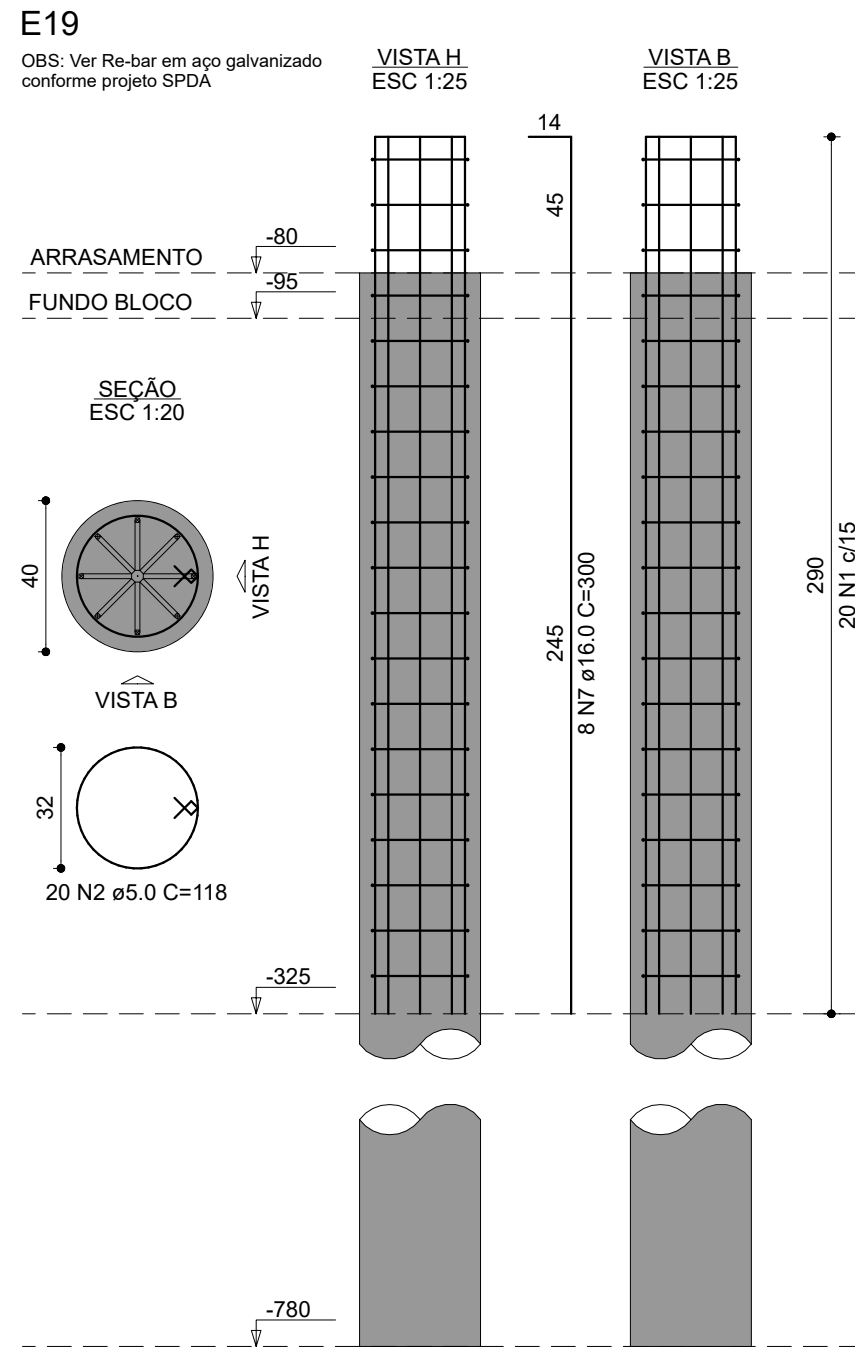
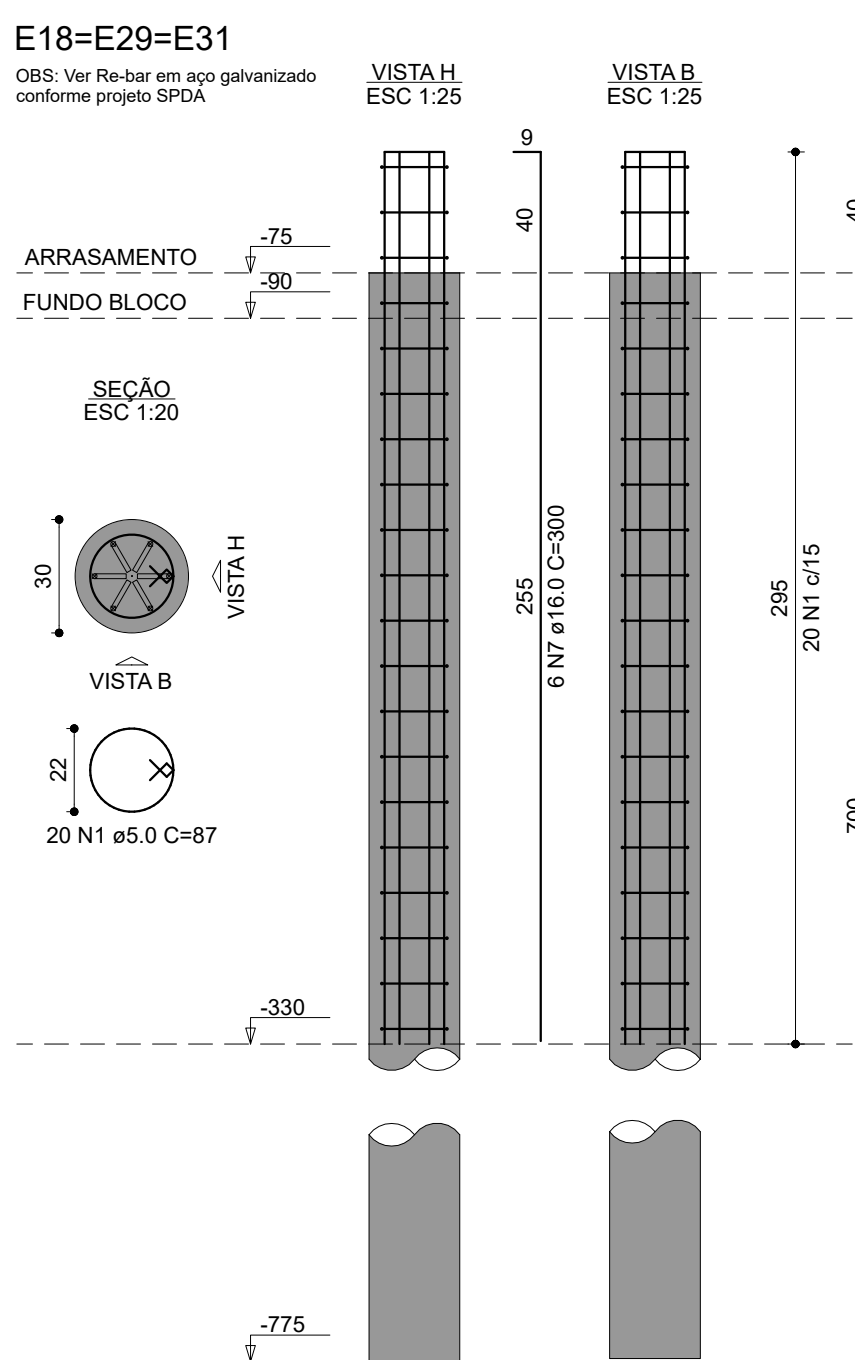
E1 a E40
EM1 a EM8

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	540	87	46980
CA50	2	5.0	280	115	30800
	3	12.5	52	150	7800
	4	12.5	54	200	10800
	5	12.5	108	300	32400
	6	16.0	4	200	800
	7	16.0	62	300	18600

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	210.0	540.2
CA60	16.0	194.0	336.7
	5.0	776.0	131.6
PESO TOTAL (kg)			876.9
CA50			876.9
CA60			131.6

Volume de concreto (C-25) = 24.79 m³
Volume de escorregão = 28.44 m³
Área de forma = 1.00 m²



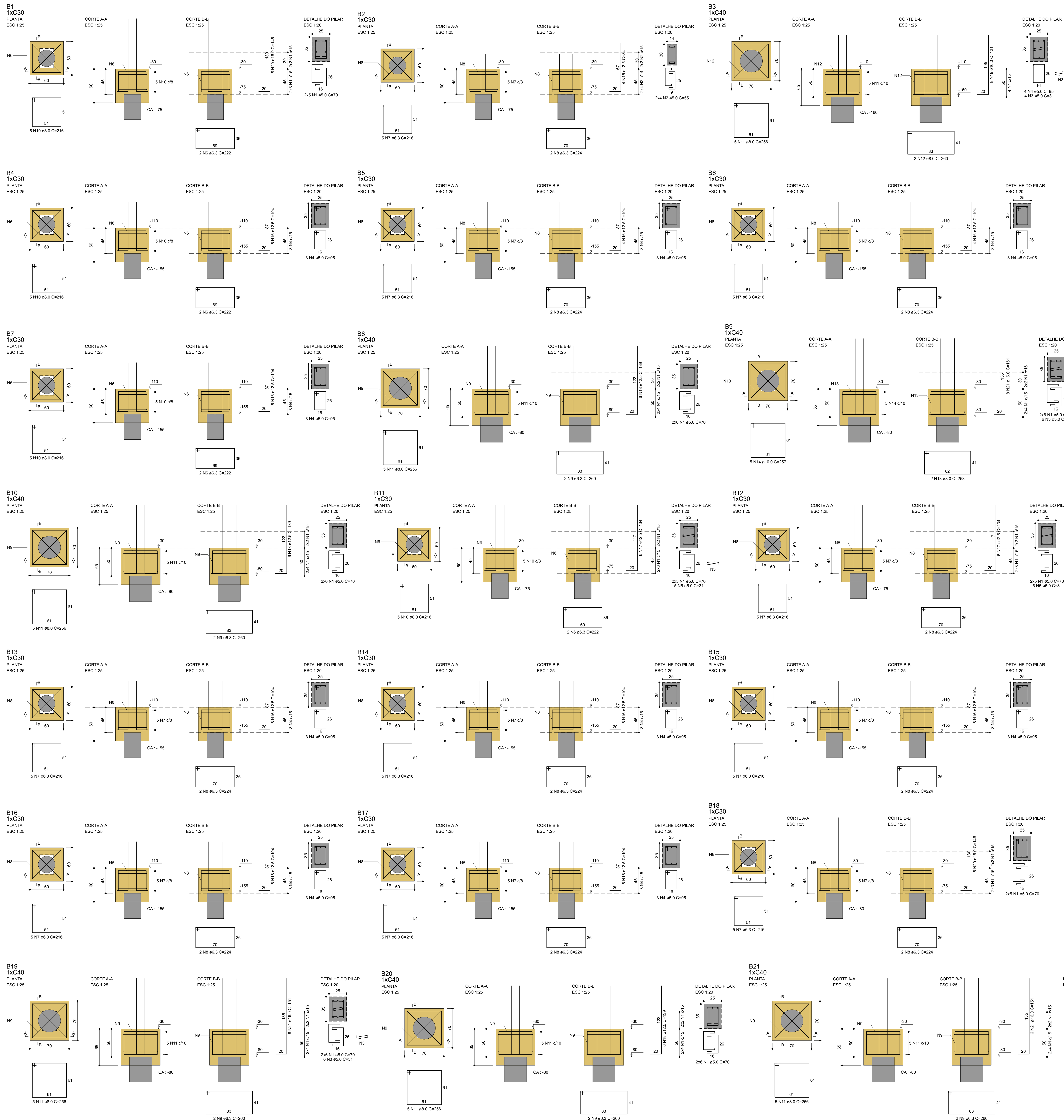
CARIMBOS:



LOCAL: REALEZA-PR
OBR: CLÍNICA DE GRANDES ANIMAIS
PROJETO: ESTRUTURAL
CONTEÚDO: DETALHE - ESTACAS
ENDERECO: AVENIDA EDMUNDO GAIKIVSKI, 1000, ZONA RURAL

FASE: EXECUTIVO
REVISÃO Nº: R00
DATA: 29/06/2022
DESENHADO POR: RODRIGO
NOME DO ARQUIVO: DETALHE_ESTACAS

ESCALA: 1:20 E 1:25
TAMANHO FOLHA: A0
Nº PRANCHA: 06
19



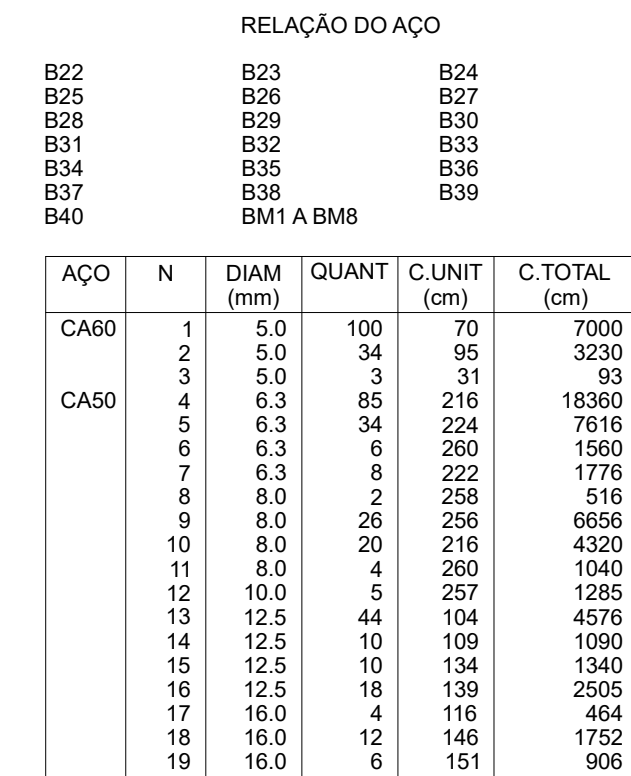
RELAÇÃO DO AÇO					
ACO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
CA50	1	5.0	112	70	7840
	2	5.0	12	55	660
	3	5.0	22	55	660
	4	5.0	34	95	3230
	5	5.0	10	31	310
	6	6.3	8	272	1776
	7	6.3	30	216	1080
	8	6.3	20	224	4480
	9	6.3	10	260	2600
	10	8.0	20	216	4320
CA60	11	8.0	30	256	7680
	12	8.0	2	260	520
	13	8.0	2	256	512
	14	10.0	5	257	1285
	15	12.5	4	84	336
	16	12.5	50	104	5200
	17	12.5	12	134	1608
	18	12.5	18	139	2502
	19	16.0	8	121	968
	20	16.0	14	146	2044
B21	21	16.0	22	151	3322

RESUMO DO AÇO			
ACO	DIAM (mm)	C TOTAL (kg)	PESO + 10% (kg)
CA50	6.3	196.6	52.9
CA50	8.0	130.4	36.8
CA50	10.0	12.8	3.5
CA50	12.5	96.5	26.7
CA50	16.0	63.3	17.3
CA50	5.0	127.2	35.2
PESO TOTAL (kg)			
CA50	330.3		
CA60	21.6		
Volume de concreto (C-25) = 4.97 m³			
Área de forma = 32.90 m²			

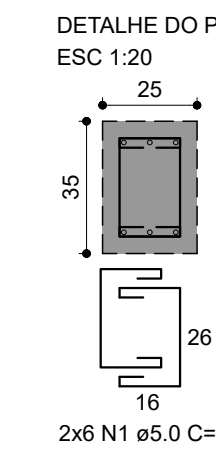
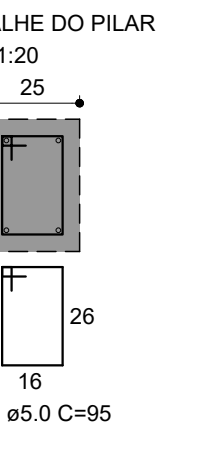
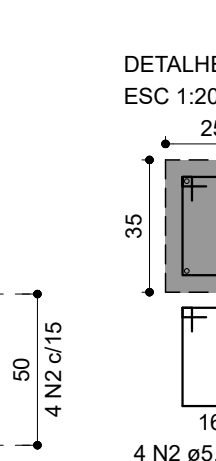
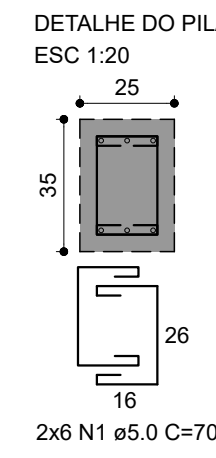
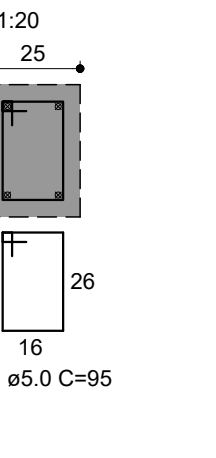
CARIMBOS:



LOCAL: REALIZA-PR OBRA: CLÍNICA DE GRANDES ANIMAIS PROJETO: ESTRUTURAL CONTEÚDO: DETALHE: BLOCOS (B1 A B21) ENDEREÇO: AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL	FASE: EXECUTIVO REVISÃO Nº: R00 DATA: 29/06/2022 DESENHADO POR: RODRIGO NOME DO ARQUIVO: CARIMBOS-REVISAO-PR-01-2022.DWG	ESCALA: 1:20 E 1:25 TAMANHO FOLHA: A0 Nº PRANCHA: 07 13 19
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Volume de concreto (C-25) = 6.15 m³
Área de forma = 41.16 m²

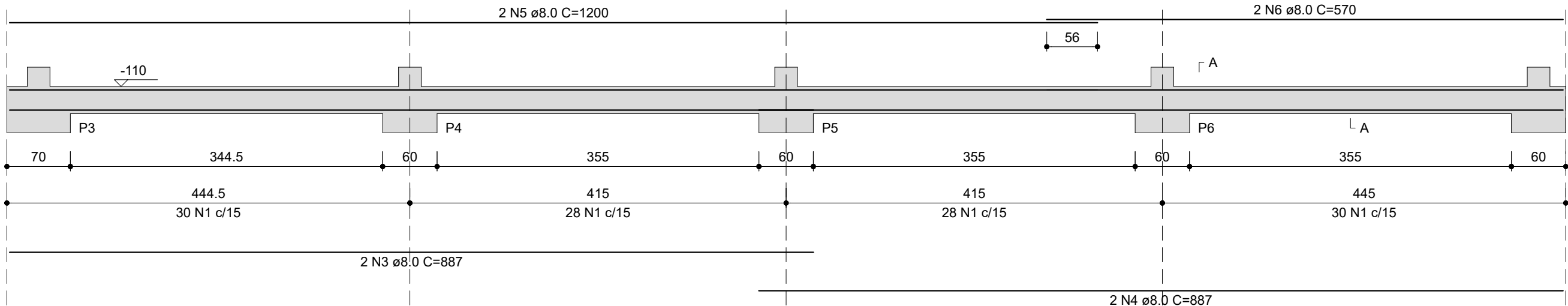


$B_6 = B_{M7} = B_{M8}$
 e do chumbador do pilar
 da estrutura metálica;

60
 51
 51
 S N4 ϕ 6,3 C=216

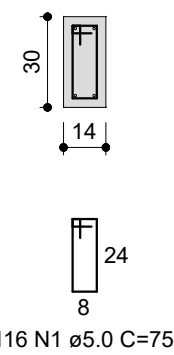
V1

ESC 1:50



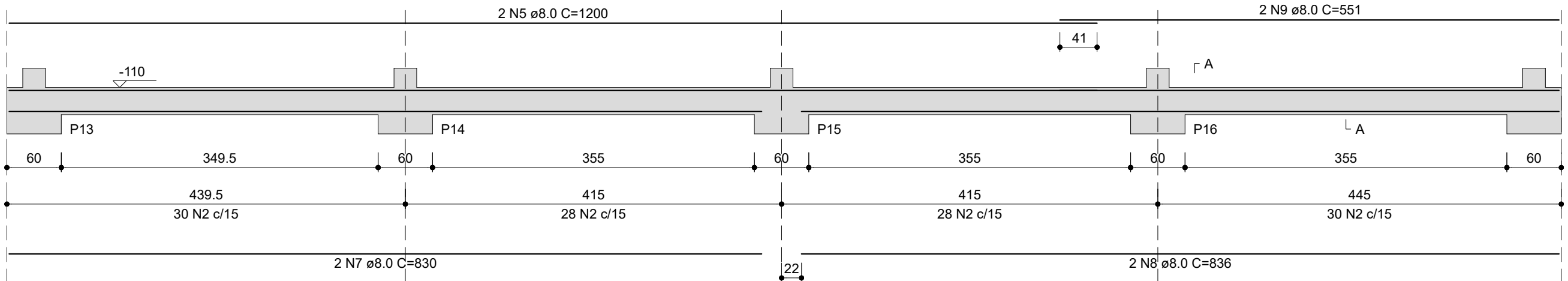
SEÇÃO A-A

ESC 1:25



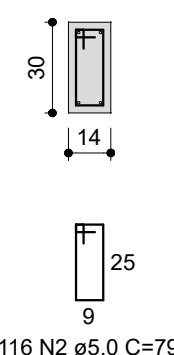
V2

ESC 1:50



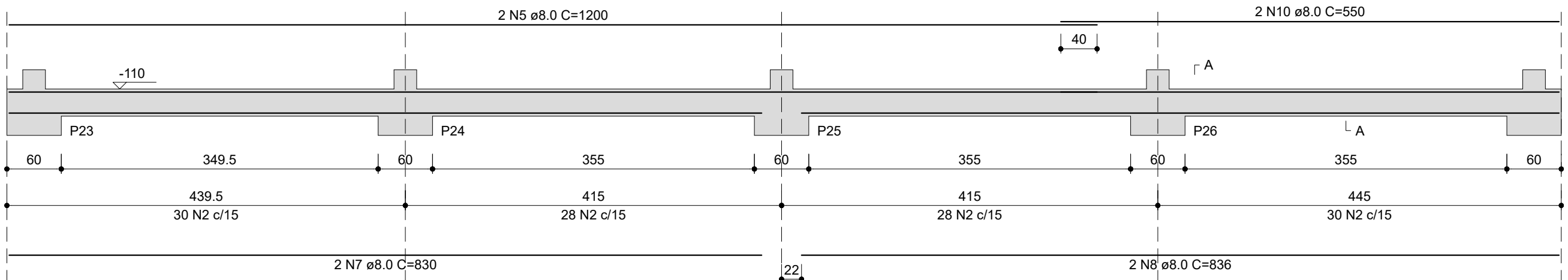
SEÇÃO A-A

ESC 1:25



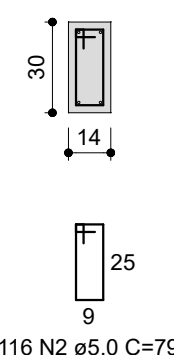
V3

ESC 1:50



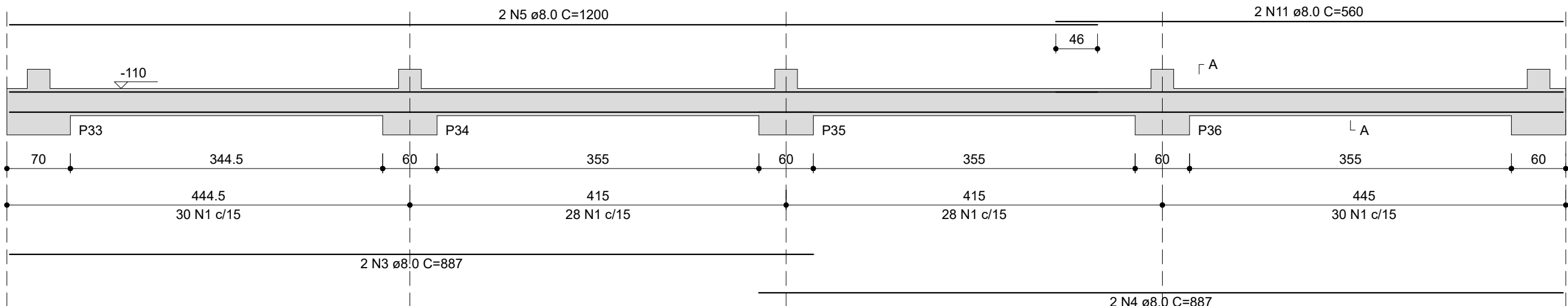
SEÇÃO A-A

ESC 1:25



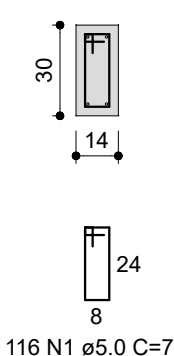
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ESC 1:50



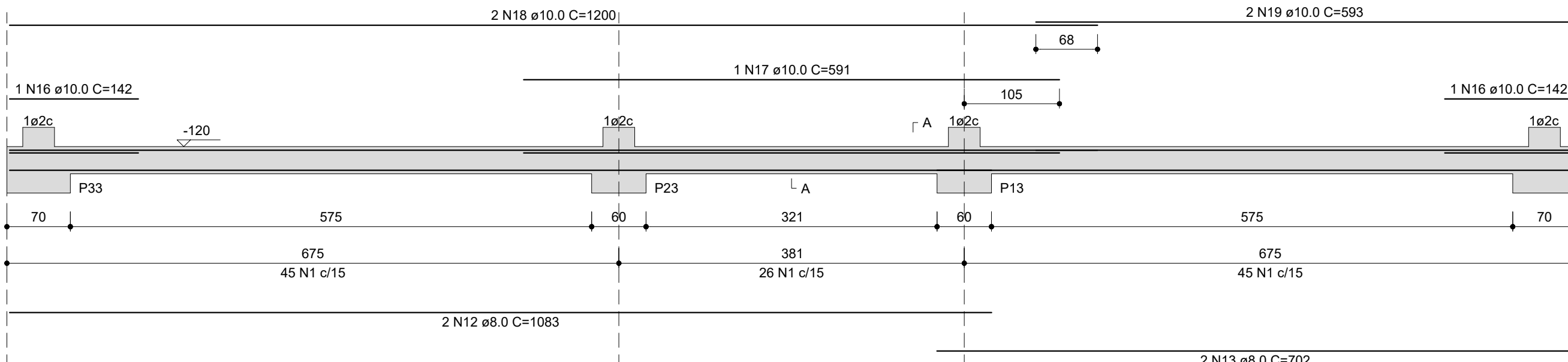
SEÇÃO A-A

ESC 1:25



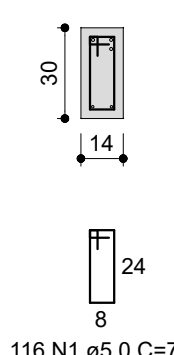
V5

ESC 1:50



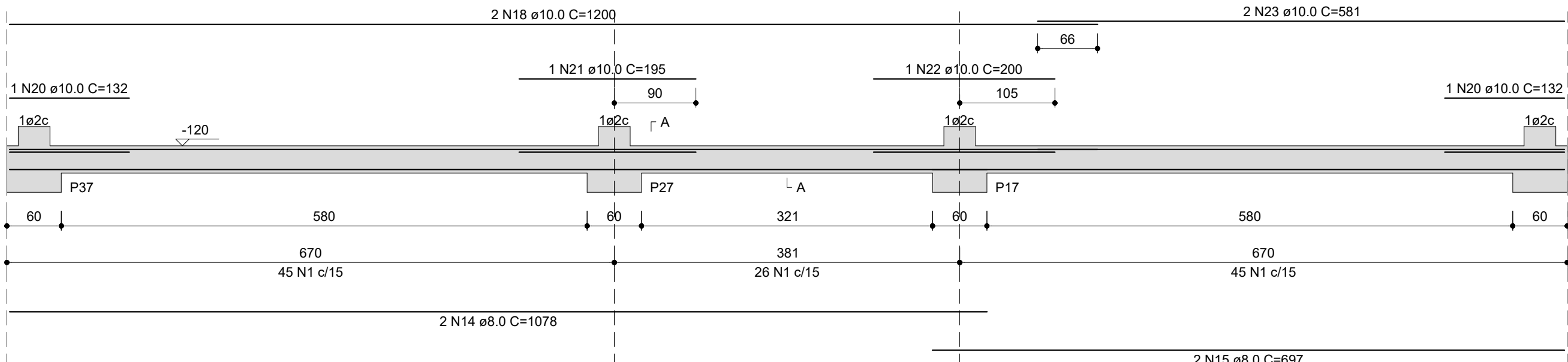
SEÇÃO A-A

ESC 1:25



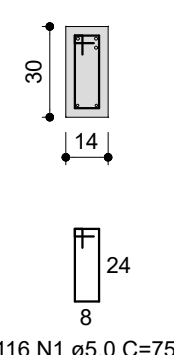
V6

ESC 1:50



SEÇÃO A-A

ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3			
V4	V5	V6			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	464	75	34800
	2	5.0	232	79	18328
	3	8.0	4	887	3548
	4	8.0	4	887	3548
	5	8.0	8	1200	9600
	6	8.0	2	570	1140
	7	8.0	4	830	3320
	8	8.0	4	836	3344
	9	8.0	2	551	1102
	10	8.0	2	550	1100
	11	8.0	2	560	1120
	12	8.0	2	1083	2166
	13	8.0	2	702	1404
	14	8.0	2	1078	2156
	15	8.0	2	697	1394
	16	10.0	2	142	284
	17	10.0	1	591	591
	18	10.0	4	1200	4800
	19	10.0	2	593	1186
	20	10.0	2	132	264
	21	10.0	1	195	195
	22	10.0	1	200	200
	23	10.0	2	581	1162

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	349.4	151.7
CA60	10.0	86.8	58.9
	5.0	531.3	90.1
PESO TOTAL (kg)			
CA50	210.5		
CA60	90.1		

Volume de concreto (C-25) = 4.33 m³
Área de forma = 76.37 m²

CARIMBOS:



UFFS
UNIVERSIDADE
FEDERAL DA
FRONTEIRA SUL

Secretaria Especial de Obras-SEO

Av. Itália, 1000 - Jd. Santa Helena - 89200-000 - Fone: (47) 3209-1111 - Site: www.uffrs.edu.br

SECRETARIA ESPECIAL DE OBRAS:
SECRETÁRIO DE OBRAS: ENG. CIV. FÁBIO CORREIA GASPARRETO CREA/RSC 98720-6

FISCALIZAÇÃO DE OBRAS:
CHAPEADOR: ENG. CIV. FÁBIO ALEX ZENARO CREA/RSC 103121-3
ENGENHEIRO: ENG. ELETRIC. MANUELO TORRES CATT CREA/RSC 11851-1
CENSO LARGOS: ENG. CIV. PAULO ROBERTO HENRIQUES CREA/RSC 10710-2
ENGENHEIRO: ENG. CIV. CARLOS ROQUE SCHMIDT CREA/RSC 8799-8
ENGENHEIRO: ENG. CIV. JULIANNA CRIVELLO CREA/RSC 10798-6
ENGENHEIRO: ENG. CIV. FÁBIO ONETIS CREA/PR 34187-0
ENGENHEIRO: ENG. CIV. FÁBIO BALISTERA CREA/PR 12148

COORDENADOR: ENG. CIV. ADRIANA FREITAS MOUTT CREA/RSC 141126-4
ENGENHEIRO: ENG. CIV. WELINGTON TOSCANI CREA/RSC 141126-4
ENGENHEIRO: ENG. CIV. CARLOS LEO PEREIRA CREA/RSC 177728-4
ENGENHEIRO: ENG. CIV. RODRIGO EMER CREA/RSC 10608-4
ENGENHEIRO: ENG. ELETRIC. SILVIO ANTONIO TESTON CREA/RSC 08081-4
ENGENHEIRO: ENG. SANIT. ADRIANO TACONI CREA/RSC 116931-2
ENGENHEIRO: ENG. MEC. DANIEL ESPR CREA/RSC 141126-4
TÉCNICO: MEC. GIOVANI FÁVERO
TÉCNICO: ELETRIC. REGIO ONATO
A.T. LEANDRO PEREIRA

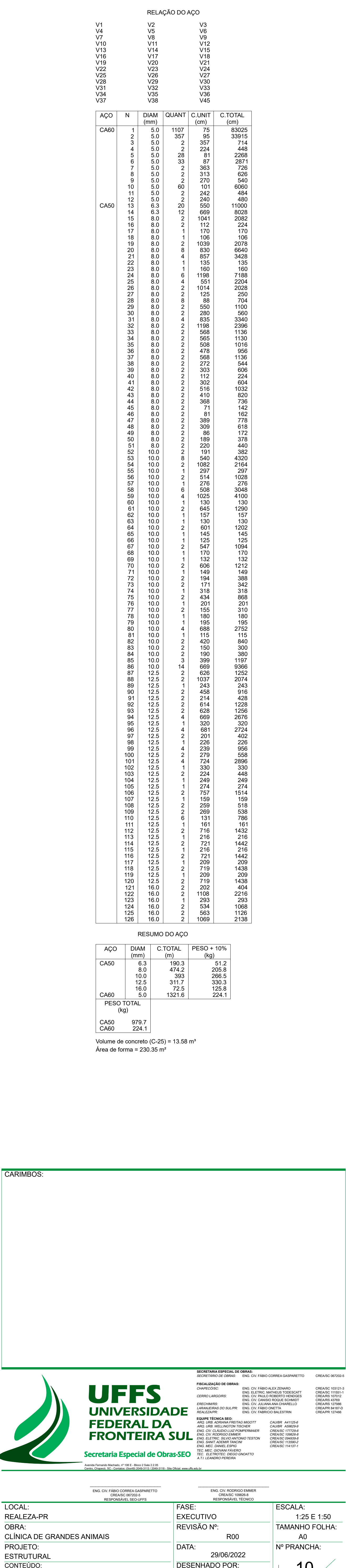
ENG. CIV. FÁBIO CORREIA GASPARRETO CREA/RSC 98720-6
RESPONSÁVEL TÉCNICO

ENG. CIV. RODRIGO EMER CREA/RSC 10608-4
RESPONSÁVEL TÉCNICO

LOCAL:
REALIZA-PR
OBRA:
CLÍNICA DE GRANDES ANIMAIS
PROJETO:
ESTRUTURAL
CONTEÚDO:
DETALHE - VIGAS SUBSOLO
ENDEREÇO:
AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL

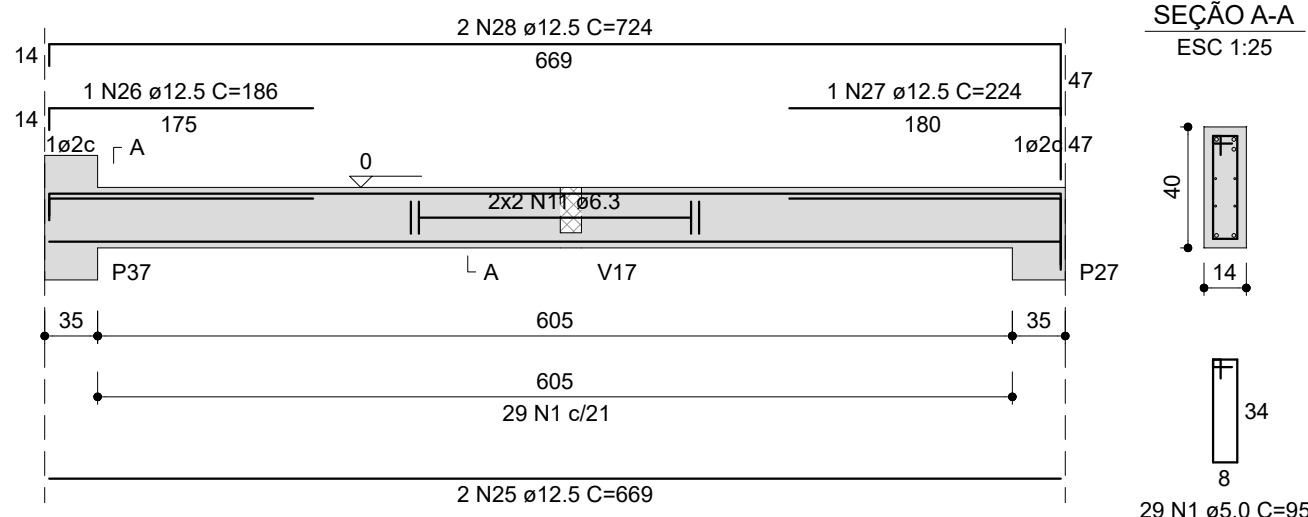
FASE:
EXECUTIVO
REVISÃO Nº:
R00
DATA:
29/06/2022
DESENHADO POR:
RODRIGO
NOME DO ARQUIVO:
CLINICA+GRANDES ANIMAIS_UFFS_PE_EST.DWG

ESCALA:
1:25 E 1:50
TAMANHO FOLHA:
786X594
Nº PRANCHA:
09
19



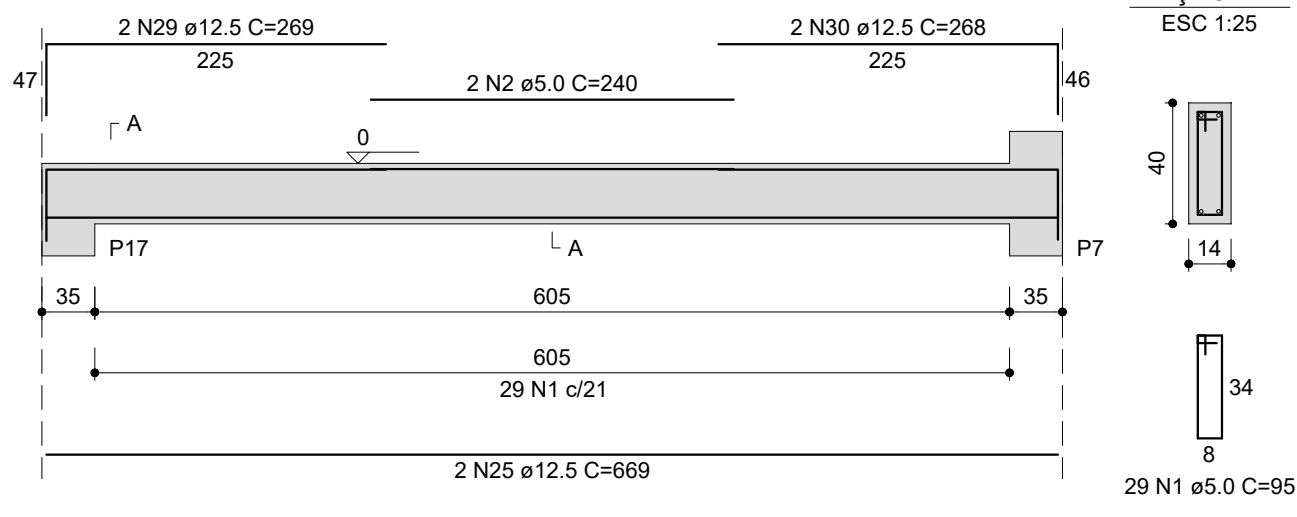
V39

ESC 1:50



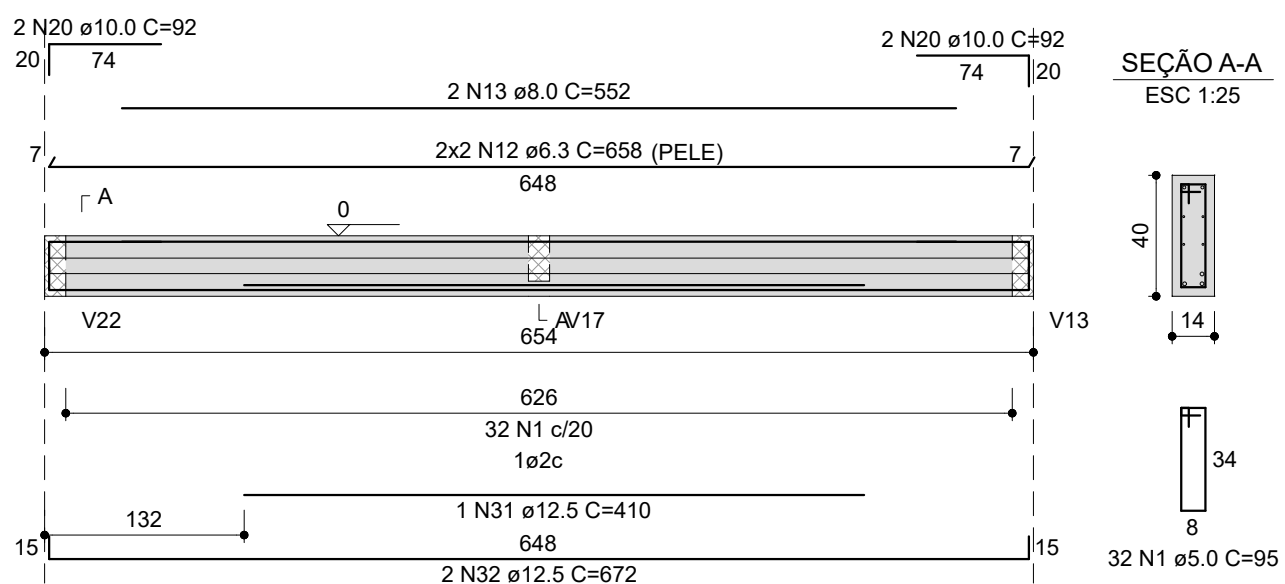
V40

ESC 1:50



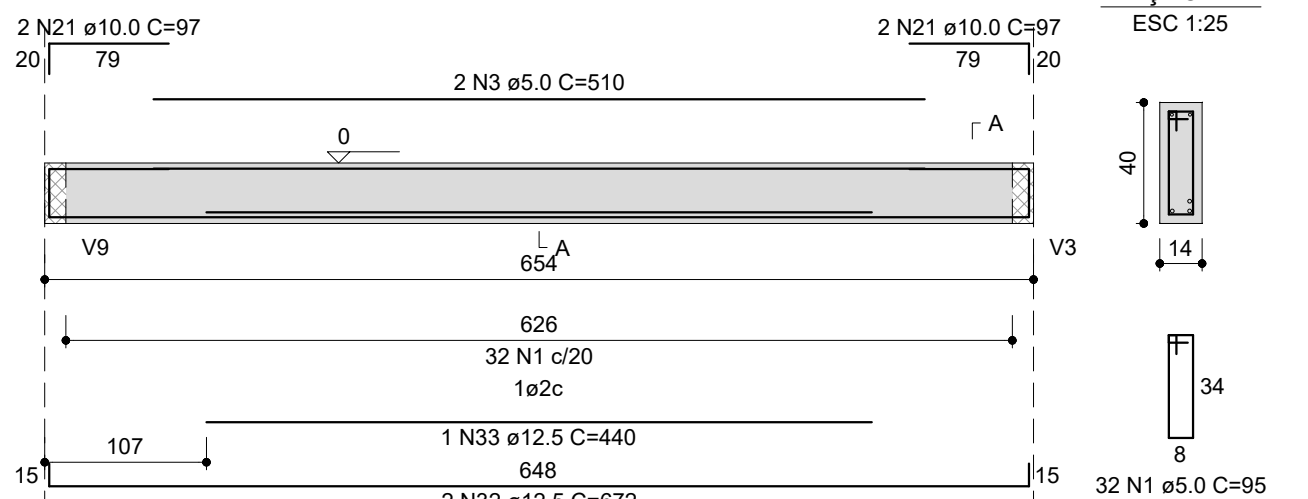
V41

ESC 1:50



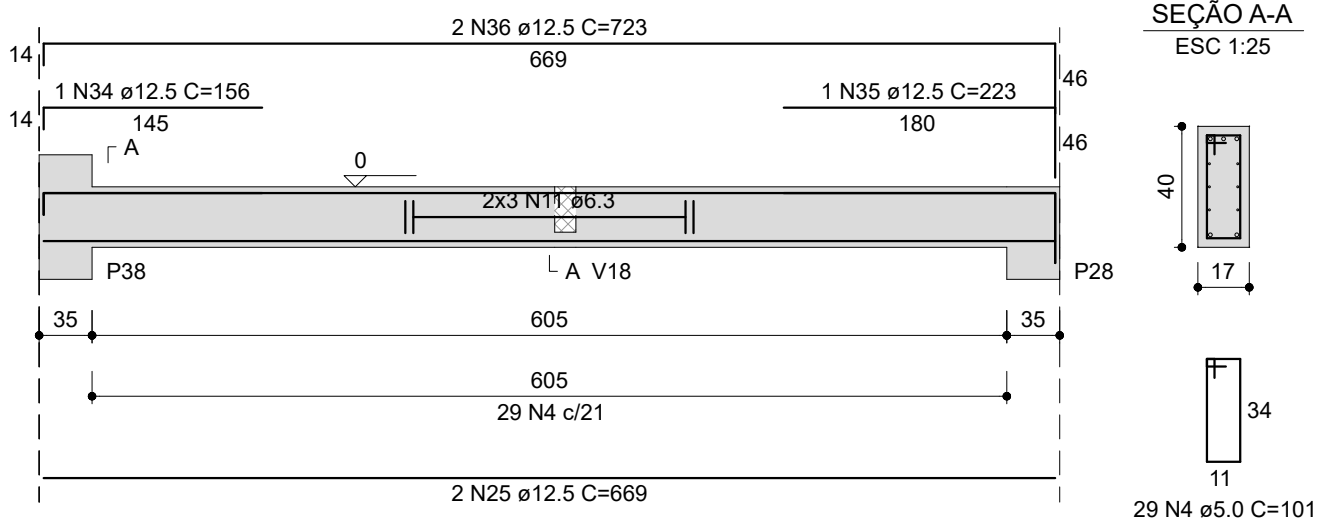
V42

ESC 1:50



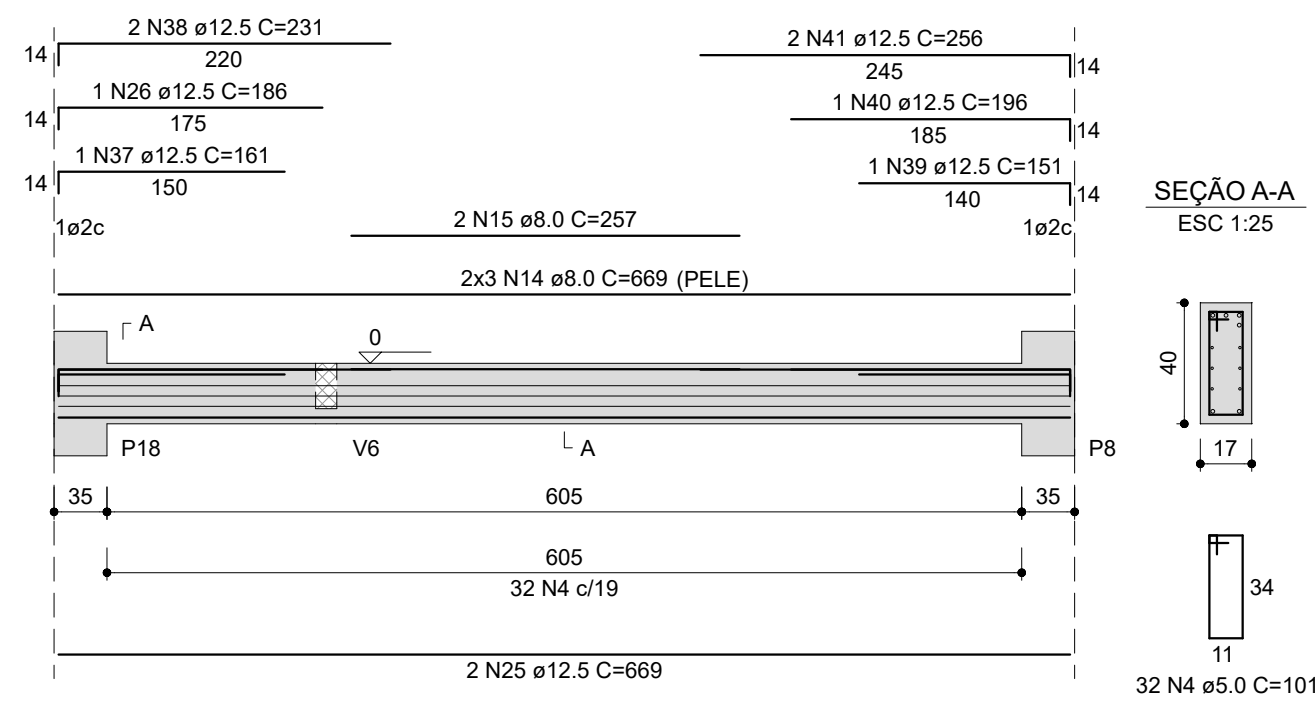
V43

ESC 1:50



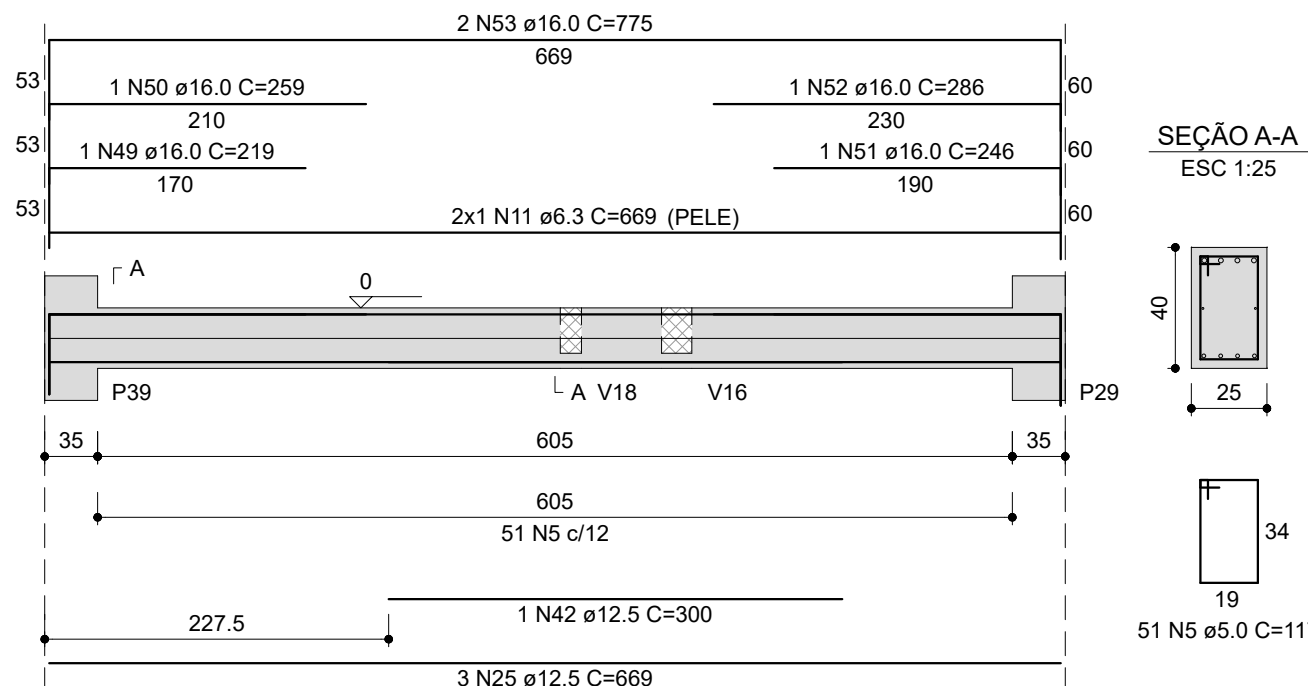
V44

ESC 1:50



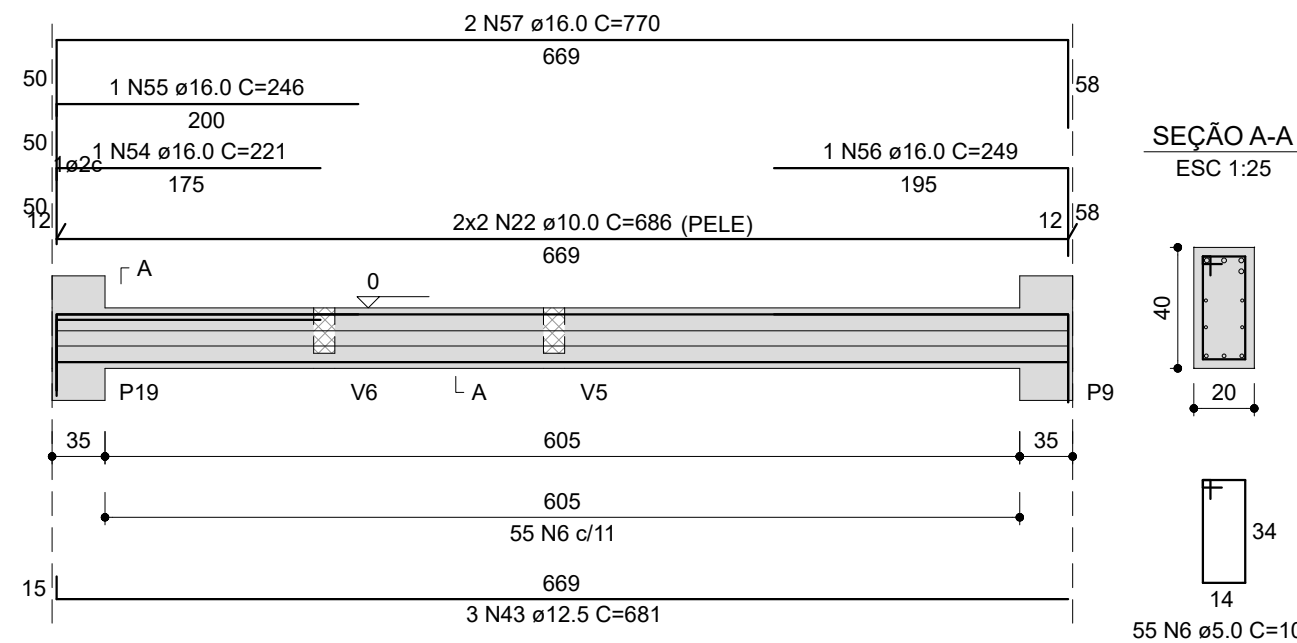
V46

ESC 1:50



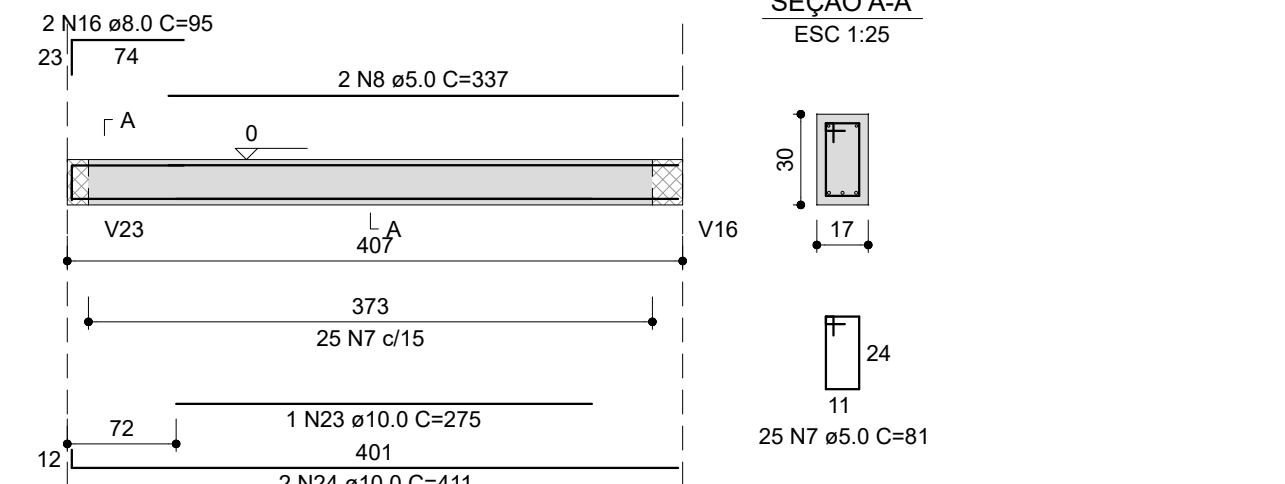
V47

ESC 1:50



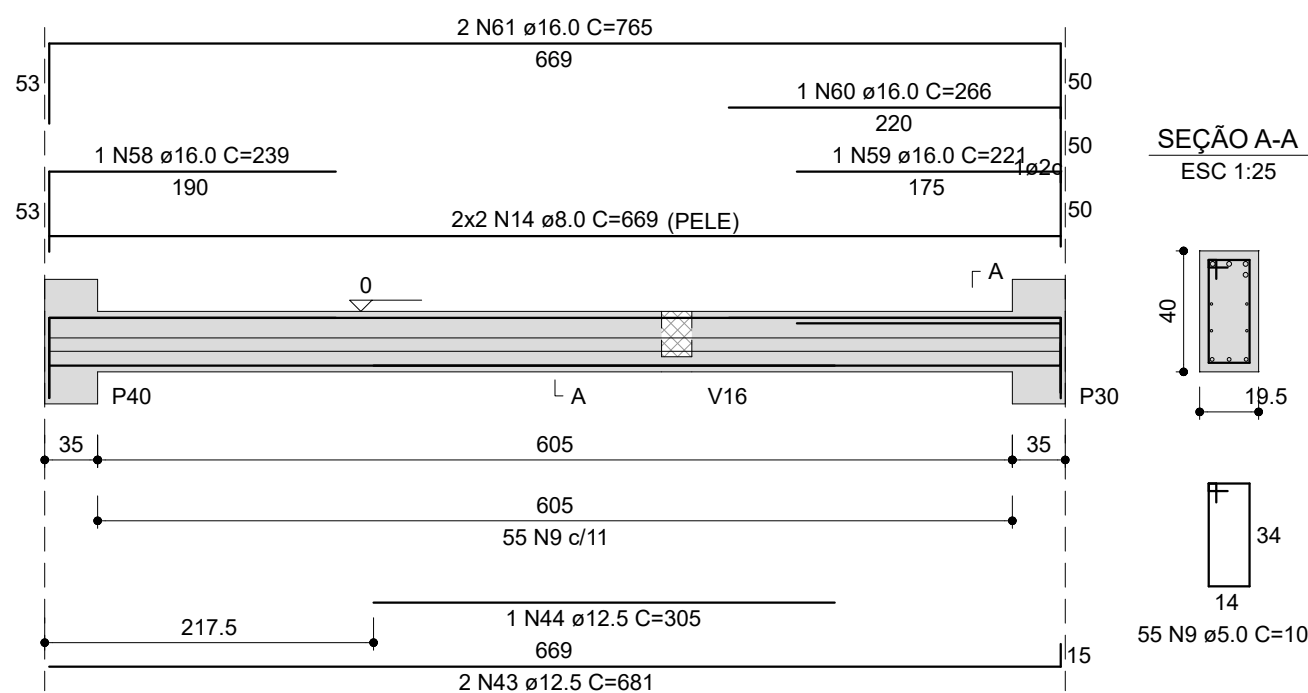
V48

ESC 1:50



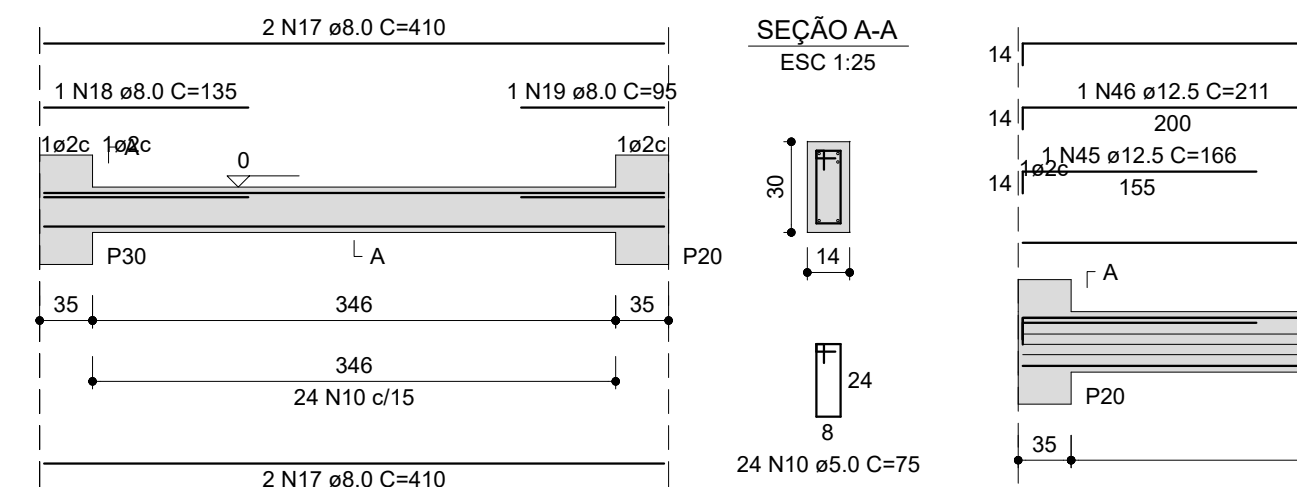
V49

ESC 1:50



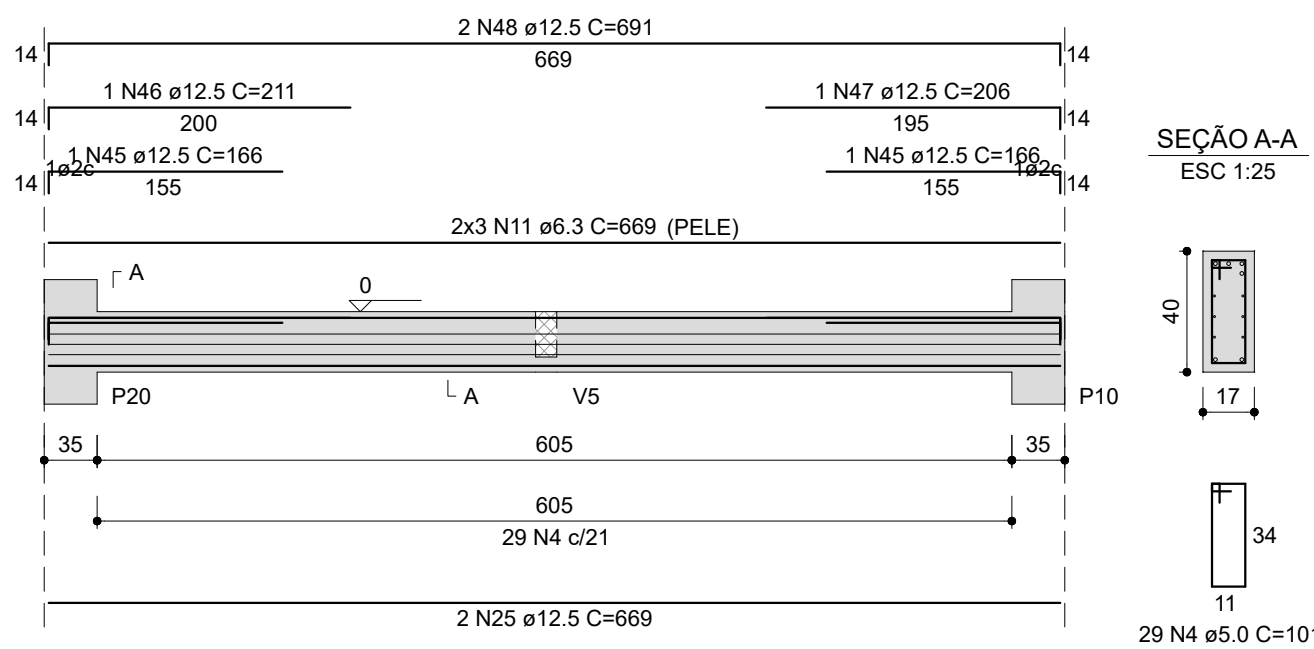
V50

ESC 1:50



V51

ESC 1:50



RELAÇÃO DO AÇO

V39	V40	V41
V42	V43	V44
V46	V47	V48
V49	V50	V51

RESUMO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	122	95	11590
	2	5.0	2	240	480
	3	5.0	2	510	1020
	4	5.0	90	101	9090
	5	5.0	51	117	5967
	6	5.0	55	107	5885
	7	5.0	25	81	2025
	8	5.0	2	337	674
	9	5.0	55	107	5885
	10	5.0	24	75	1800
	11	6.3	18	corr	12042
	12	6.3	4	658	2632
	13	8.0	2	552	1104
	14	8.0	10	669	6690
	15	8.0	2	257	514
	16	8.0	2	95	190
	17	8.0	4	410	1640
	18	8.0	1	135	135
	19	8.0	1	95	95
	20	10.0	4	92	368
	21	10.0	4	97	388
	22	10.0	4	686	2744
	23	10.0	1	275	275
	24	10.0	2	411	822
	25	12.5	13	669	8697
	26	12.5	2	186	372
	27	12.5	1	224	224
	28	12.5	2	724	1448
	29	12.5	2	269	538
	30	12.5	2	268	536
	31	12.5	1	410	410
	32	12.5	4	672	2688
	33	12.5	1	440	440
	34	12.5	1	156	156
	35	12.5	1	223	223
	36	12.5	2	723	1446
	37	12.5	1	161	161
	38	12.5	2	231	462
	39	12.5	1	151	151
	40	12.5	1	196	196
	41	12.5	2	256	512
	42	12.5	1	300	300
	43	12.5	5	681	3405
	44	12.5	1	305	305
	45	12.5	2	166	332
	46	12.5	1	211	211
	47	12.5	1	206	206
	48	12.5	2	691	1382
	49	16.0	1	219	219
	50	16.0	1	259	259
	51	16.0	1	246	246
	52	16.0	1	286	286
	53	16.0	2	775	1550
	54	16.0	1	221	221
	55	16.0	1	246	246
	56	16.0	1	249	249
	57	16.0	2	770	1540
	58	16.0	1	239	239
	59	16.0	1	221	221
	60	16.0	1	266	266
	61	16.0	2	765	1530

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	146.7	39.5
	8.0	103.7	45
	10.0	46	31.2
	12.5	248	262.8
	16.0	70.7	122.8
	5.0	444.2	75.3

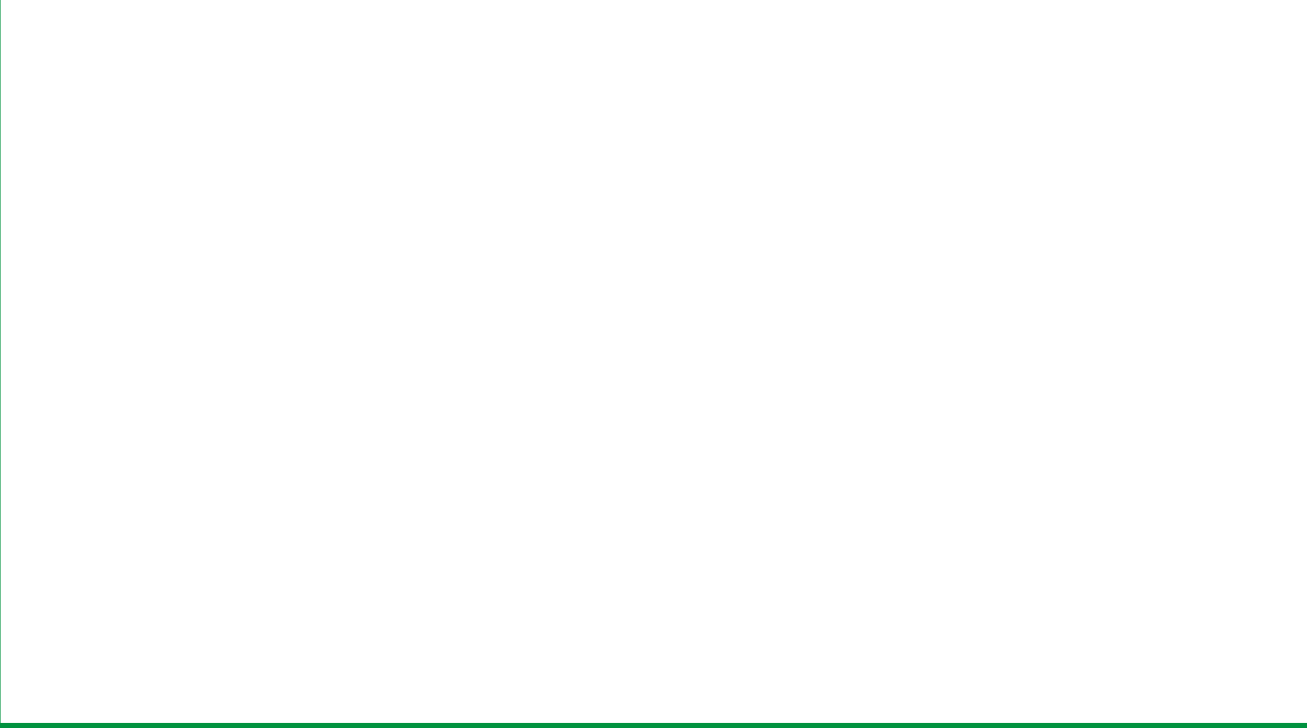
PESO TOTAL (kg)

CA50	501.3
CA60	75.3

Volume de concreto (C-25) = 4.99 m³

Área de forma = 71.39 m²

CARIMBOS:



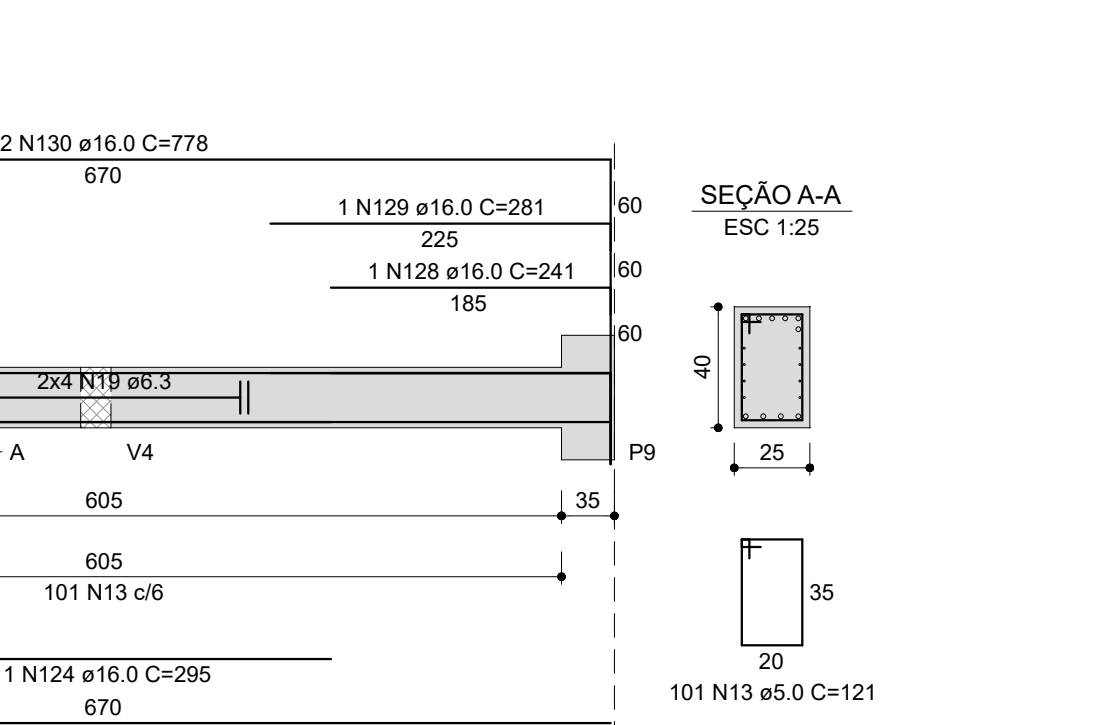
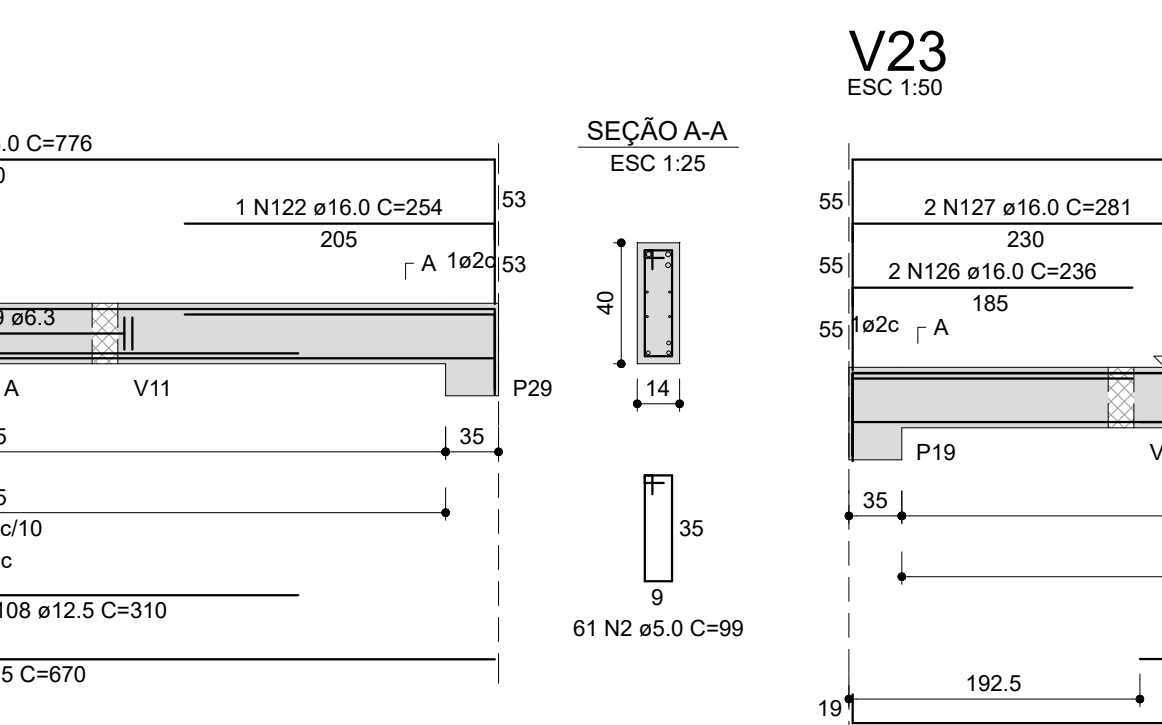
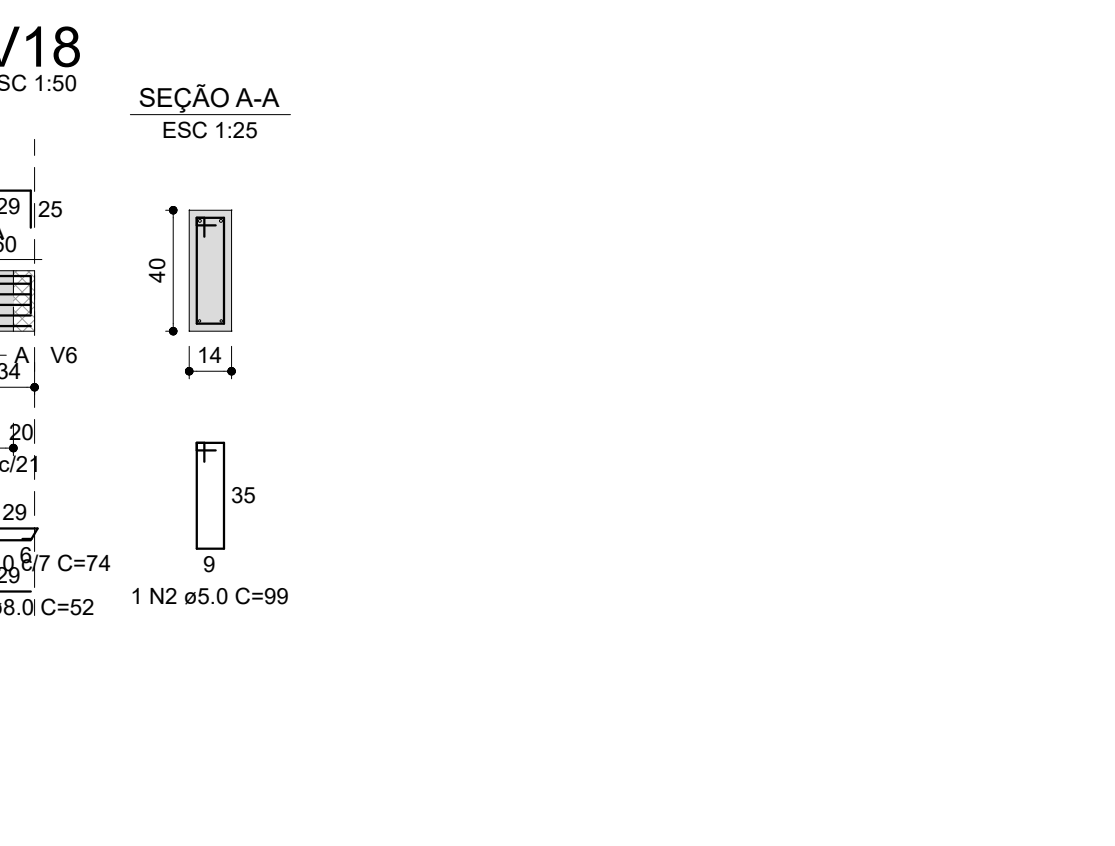
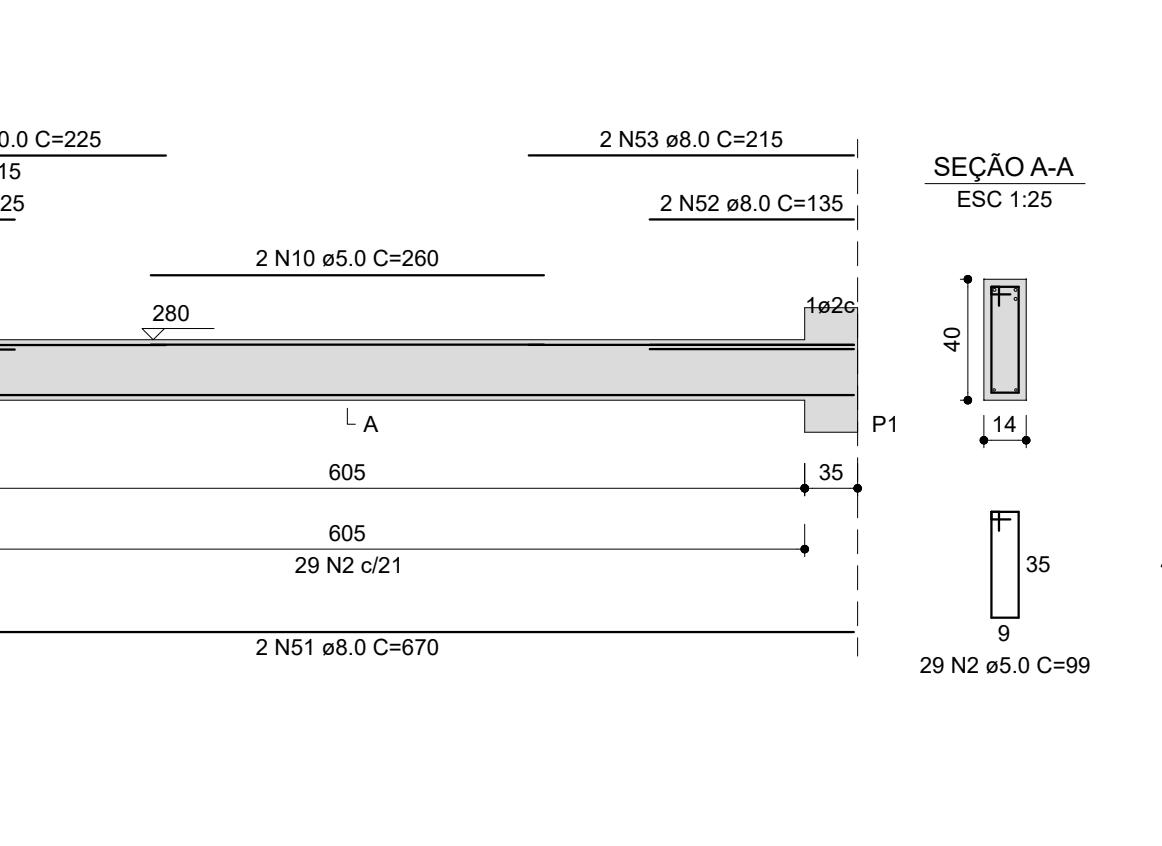
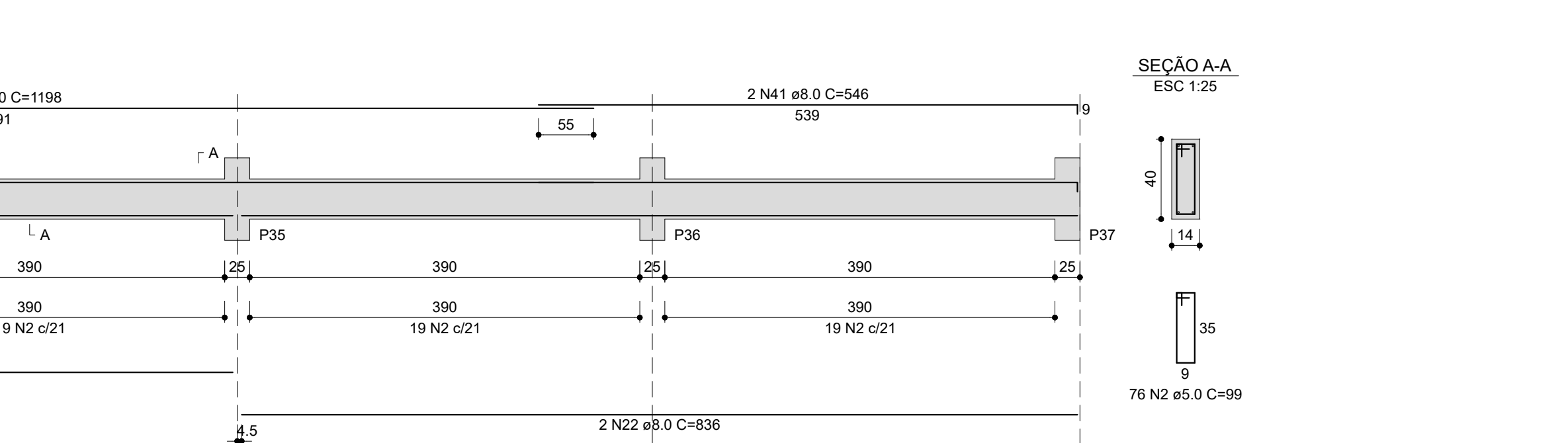
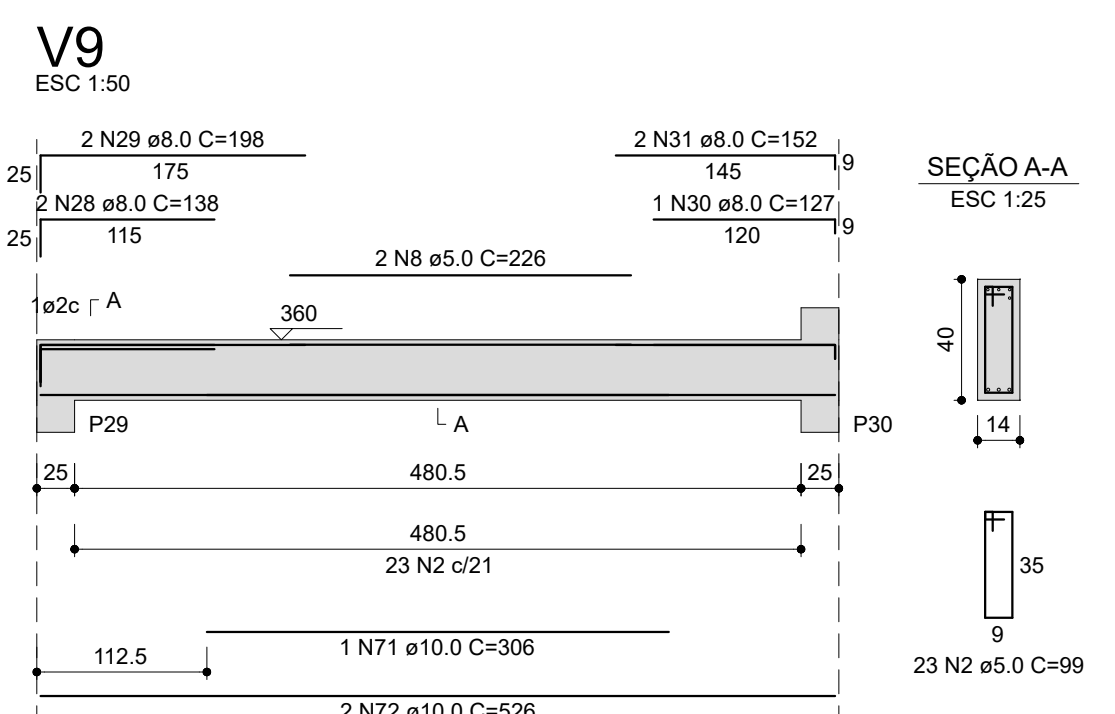
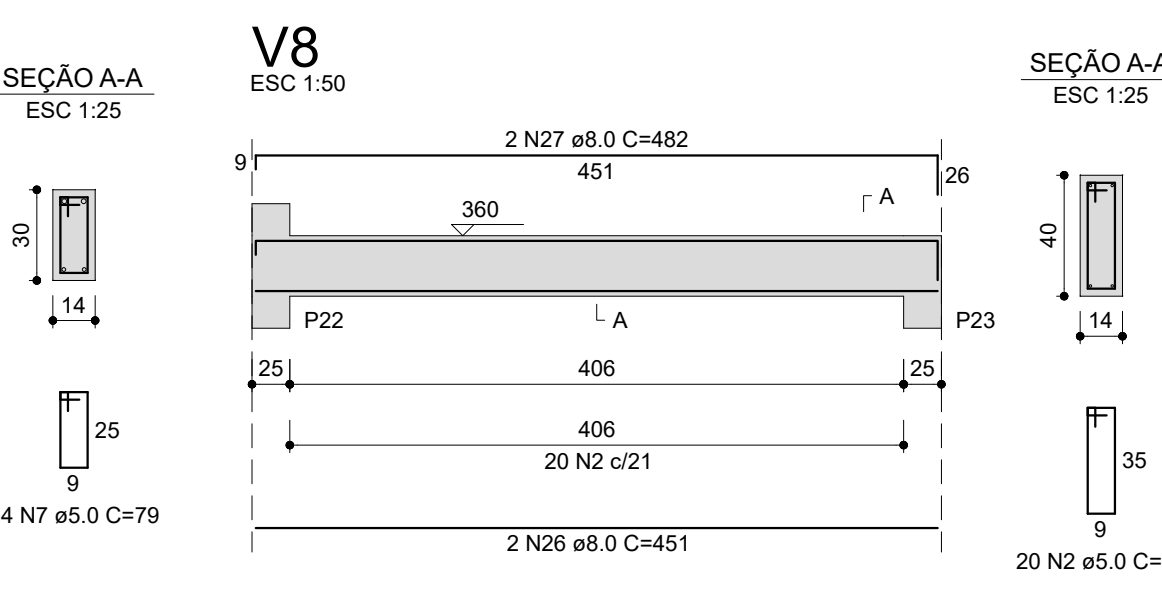
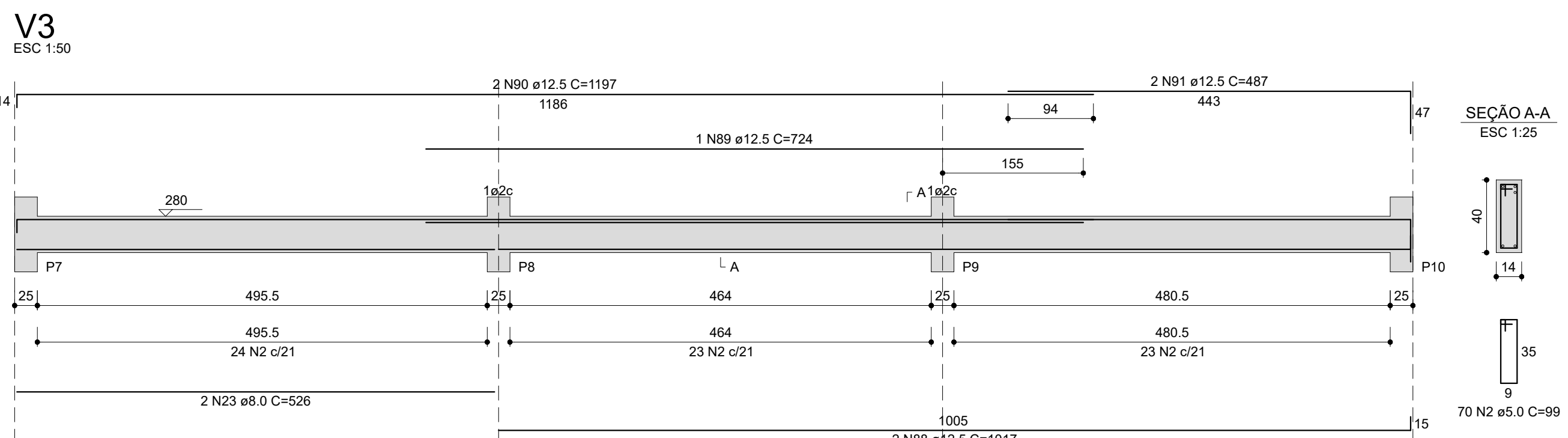


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Secretaria Especial de Obras-SEO

Av. Itália, 1000 - Zona Rural - 74600-000 - São João del-Rei, MG

LOCAL: REALIZA-PR OBRA: CLÍNICA DE GRANDES ANIMAIS PROJETO: ESTRUTURAL CONTEÚDO: DETALHE - VIGAS BALDRAME (V39 A V51 - V45) ENDEREÇO: AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL	FASE: EXECUTIVO REVISÃO Nº: R00 DATA: 29/06/2022 DESENHADO POR: RODRIGO NOME DO ARQUIVO: CLÍNICA DE GRANDES ANIMAIS - UFFS - PE - E31.DWG	ESCALA: 1:25 E 1:50 TAMANHO FOLHA: 786X594 Nº PRANCHA: 11 19
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V1 a V27

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (m)	C.TOTAL (m)
CA60	1	5,0	36	179	6444
	2	5,0	18	94	1646
	3	5,0	25	111	2775
	4	5,0	2	7	369
	5	5,0	118	105	12390
	6	5,0	4	20	560
	7	5,0	4	25	625
	8	5,0	2	42	126
	9	5,0	2	241	482
	10	5,0	2	241	482
	11	5,0	2	241	482
	12	5,0	2	220	440
CA50	13	5,0	101	121	12221
	14	5,0	101	121	12221
	15	6,3	10	1036	10360
	16	6,3	8	829	8290
	17	6,3	8	524	3144
	18	6,3	4	536	1444
	19	6,3	40	670	26800
	20	8,0	2	513	1026
	21	8,0	4	830	3320
	22	8,0	4	836	3344
	23	8,0	2	526	1052
	24	8,0	1	230	230
CA40	25	8,0	2	603	1206
	26	8,0	2	451	902
	27	8,0	4	482	1924
	28	8,0	2	138	276
	29	8,0	2	188	386
	30	8,0	1	127	127
	31	8,0	2	102	204
	32	8,0	2	321	642
	33	8,0	2	506	1016
	34	8,0	2	636	1272
	35	8,0	2	370	1416
	36	8,0	2	1026	2052
	CA30	37	8,0	2	100
38		8,0	2	170	340
39		8,0	2	1033	2066
40		8,0	2	1198	2396
41		8,0	2	546	1092
42		8,0	2	1030	2060
43		8,0	2	112	112
44		8,0	2	167	334
45		8,0	2	117	117
46		8,0	2	656	1312
47		8,0	2	166	332
48		8,0	2	526	1052
49		8,0	2	295	590
CA20	50	8,0	2	1051	2102
	51	8,0	2	1070	1340
	52	8,0	2	135	270
	53	8,0	2	430	860
	54	8,0	2	52	104
	55	8,0	2	422	844
	56	8,0	2	110	110
	57	8,0	2	210	420
	58	8,0	2	118	236
	59	8,0	2	411	822
	60	8,0	1	141	141
	61	10,0	2	1198	2396
	62	10,0	2	1176	2356
CA10	63	10,0	2	167	334
	64	10,0	2	138	276
	65	10,0	2	128	256
	66	10,0	2	182	364
	67	10,0	1	160	160
	68	10,0	1	160	160
	69	10,0	2	665	1330
	70	10,0	2	667	1334
	71	10,0	1	306	306
	72	10,0	2	1052	2102
	73	10,0	1	190	380
	74	10,0	1	171	341
	75	10,0	2	596	1192
76	10,0	1	140	140	
77	10,0	1	180	180	
78	10,0	1	200	200	
79	10,0	1	240	240	
80	10,0	1	2122	2122	
81	10,0	1	125	125	
82	10,0	1	125	125	
83	10,0	2	84	168	
84	10,0	1	307	307	
85	10,0	2	416	832	
86	10,0	1	360	360	
87	12,5	4	144	576	
88	12,5	2	197	2334	
89	12,5	1	724	724	
90	12,5	2	1107	2234	
91	12,5	2	974	1947	
92	12,5	2	516	1032	
93	12,5	3	360	1080	
94	12,5	2	538	1076	
95	12,5	1	370	370	
96	12,5	1	174	1426	
97	12,5	4	670	1680	
98	12,5	1	171	171	
99	12,5	2	386	462	
100	12,5	1	214	214	
101	12,5	2	182	376	
102	12,5	1	350	350	
103	12,5	2	182	1984	
104	12,5	1	224	224	
105	12,5	2	1450	2469	
106	12,5	1	181	181	
107	12,5	2	725	1450	
108	12,5	1	310	310	
109	12,5	1	345	345	
110	12,5	2	694	1388	
111	16,0	3	1041	351	
112	16,0	3	1031	3123	
113	16,0	3	234	234	
114	16,0	2	314	628	
115	16,0	2	279	558	
116	16,0	2	338	676	
117	16,0	2	369	738	
118	16,0	2	551	1102	
119	16,0	3	383	383	
120	16,0	2	540	1080	
121	16,0	2	1084	2128	
122	16,0	1	254	254	
123	16,0	1	716	1592	
124	16,0	1	295	295	
125	16,0	1	285	285	
126	16,0	2	538	472	
127	16,0	2	281	562	
128	16,0	1	241	241	
129	16,0	2	281	562	
130	16,0	1	778	1556	
131	16,0	1	232	232	
132	16,0	1	276	276	
133	16,0	2	174	1548	
134	16,0	1	260	260	
135	16,0	2	670	1340	
136	16,0	1	233	233	
137	16,0	1	273	273	
138	16,0	1	266	266	
139	16,0	2	775	1550	
140	16,0	3	621	1863	

AÇO	DIAM (mm)	C.TOTAL	PESO + 10%
CASO	6,3	460,8	124
	8,0	277,6	80,6
	10,0	163,2	110
	12,5	216,6	229,6
	16,0	263,9	459,3
CASO	5,0	1174,7	198,2

PESO TOTAL (kg)

CASO 1088,4

CASO 199,2

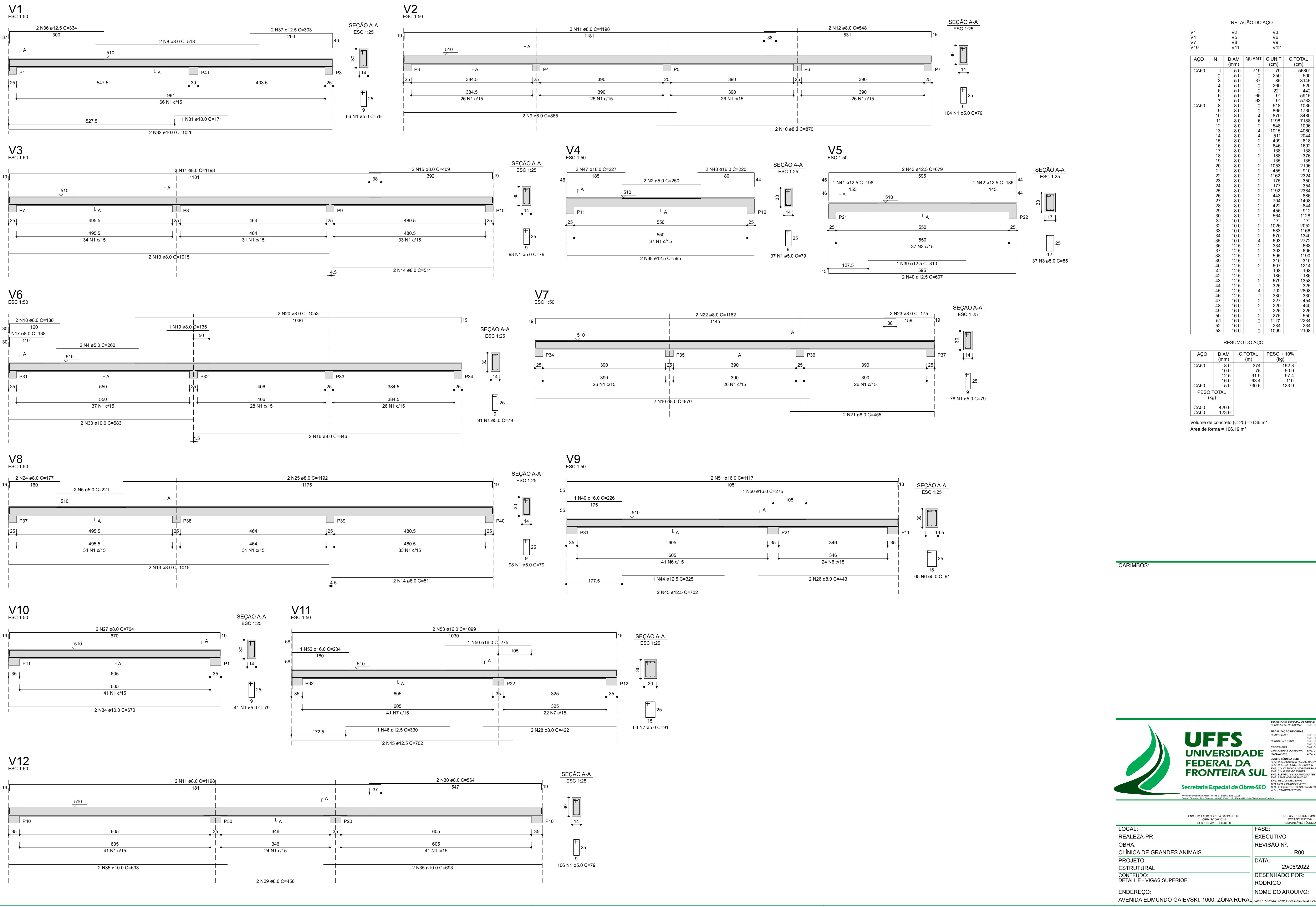
Volume de concreto (C-25) = 12,8 m³

Área de forma = 204,94 m²

CARIMBOS:



END. CN FASE COORDENADOR RESPONSÁVEL: SCS-OPS		END. CN COORDENADOR RESPONSÁVEL: TÉCNICO	
LOCAL: PLANTAL-PR OBRA: CLÍNICA DE GRANDES ANIMAS PROJETO: ESTRUTURAL CONTEÚDO: DETALHE - VIGAS INTERMEDIÁRIO	FASE: EXECUTIVO REVISÃO Nº: DATA: 29/06/2002 DESENHADO POR: RODRIGO NOME DO ARQUIVO:	ESCALA: 1:25 E 1:50 TAMANHO FOLHA: 1260X750 Nº PRANCHA: EST 12 19	
ENDEREÇO: AVENIDA EDMUNDO GAIETYSKI, 1000, ZONA RURAL			



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	719	79	56801
	2	5.0	2	500	1000
	3	5.0	37	85	3145
	4	5.0	2	260	520
	5	5.0	2	221	442
	6	5.0	65	91	5915
	7	5.0	63	91	5733
	8	8.0	2	518	1036
	9	8.0	2	865	1730
	10	8.0	4	870	3480
	11	8.0	6	1198	7188
CA50	12	8.0	2	548	1096
	13	8.0	4	1015	4060
	14	8.0	4	511	2044
	15	8.0	2	409	818
	16	8.0	2	846	1692
	17	8.0	1	138	138
	18	8.0	2	188	376
	19	8.0	1	135	135
	20	8.0	2	1053	2106
	21	8.0	2	455	910
	22	8.0	2	1162	2324
	23	8.0	2	175	350
	24	8.0	2	177	354
	25	8.0	2	1192	2384
	26	8.0	2	443	886
	27	8.0	2	704	1408
	28	8.0	2	422	844
	29	8.0	2	456	912
	30	8.0	2	564	1128
CA40	31	10.0	1	171	171
	32	10.0	2	1026	2052
	33	10.0	2	583	1166
	34	10.0	2	670	1340
	35	10.0	4	693	2772
	36	12.5	2	334	668
	37	12.5	2	303	606
	38	12.5	2	595	1190
	39	12.5	1	310	310
	40	12.5	2	607	1214
	41	12.5	1	198	198
	42	12.5	1	186	186
	43	12.5	2	679	1358
	44	12.5	1	325	325
	45	12.5	4	702	2808
	46	12.5	1	330	330
	47	16.0	2	227	454
	48	16.0	2	220	440
	49	16.0	1	228	228
	50	16.0	2	275	550
CA50	51	16.0	2	1117	2234
	52	16.0	1	234	234
	53	16.0	2	1099	2198

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	374	162.3
	10.0	75	50.9
	12.5	91.9	97.4
CA60	16.0	63.4	110
	5.0	730.6	123.9
PESO TOTAL (kg)			
CA50	420.6		
CA60	123.9		
Volume de concreto (C-25) = 6.36 m³			
Área de forma = 106.19 m²			

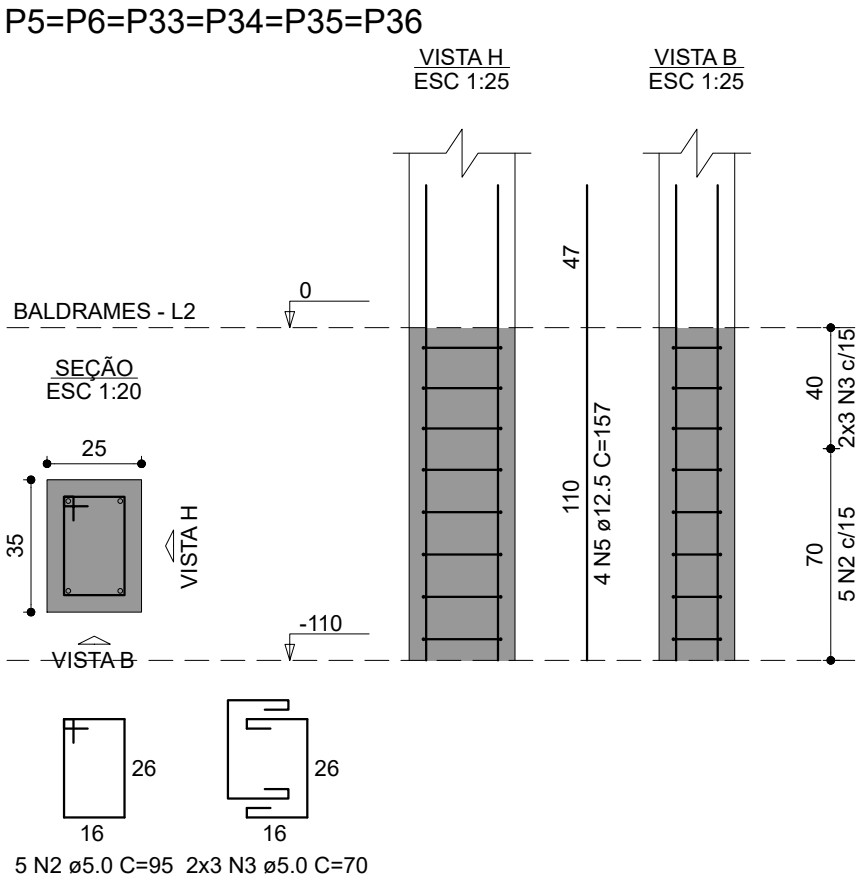
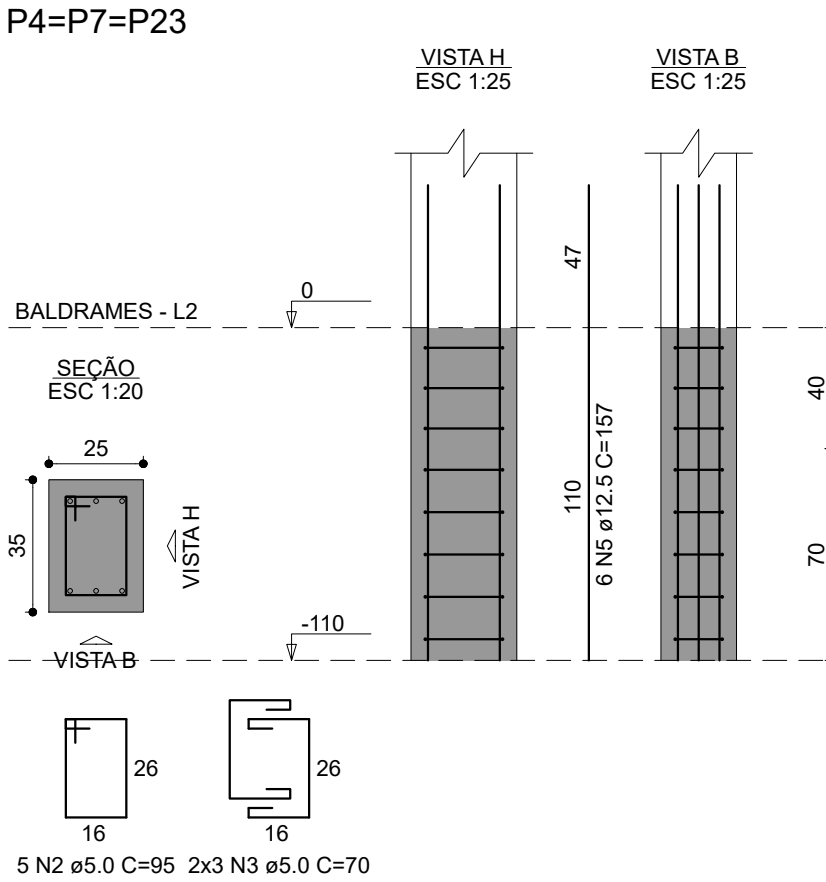
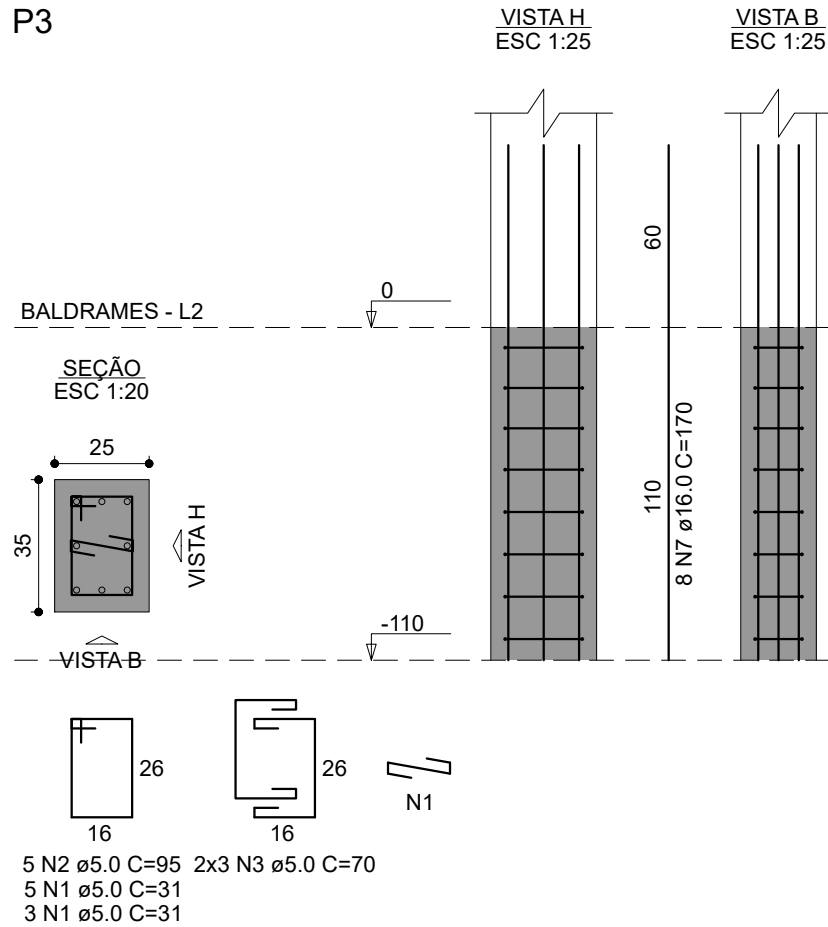
CARIMBOS:

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Secretaria Especial de Obras-SEO

Av. Itália, Fátima, Marabá, PA 14.050-000 - Brasil - Fone: (14) 3235-1111 - Site Oficial: www.ufff.edu.br

LOCAL: REALIZA-PR OBRA: CLÍNICA DE GRANDES ANIMAIS PROJETO: ESTRUTURAL CONTEÚDO: DETALHE - VIGAS SUPERIOR ENDEREÇO: AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL	FASE: EXECUTIVO REVISÃO Nº: R00 DATA: 29/06/2022 DESENHADO POR: RODRIGO NOME DO ARQUIVO:	ESCALA: 1:25 E 1:50 TAMANHO FOLHA: 950X600 Nº PRANCHA: 13 19
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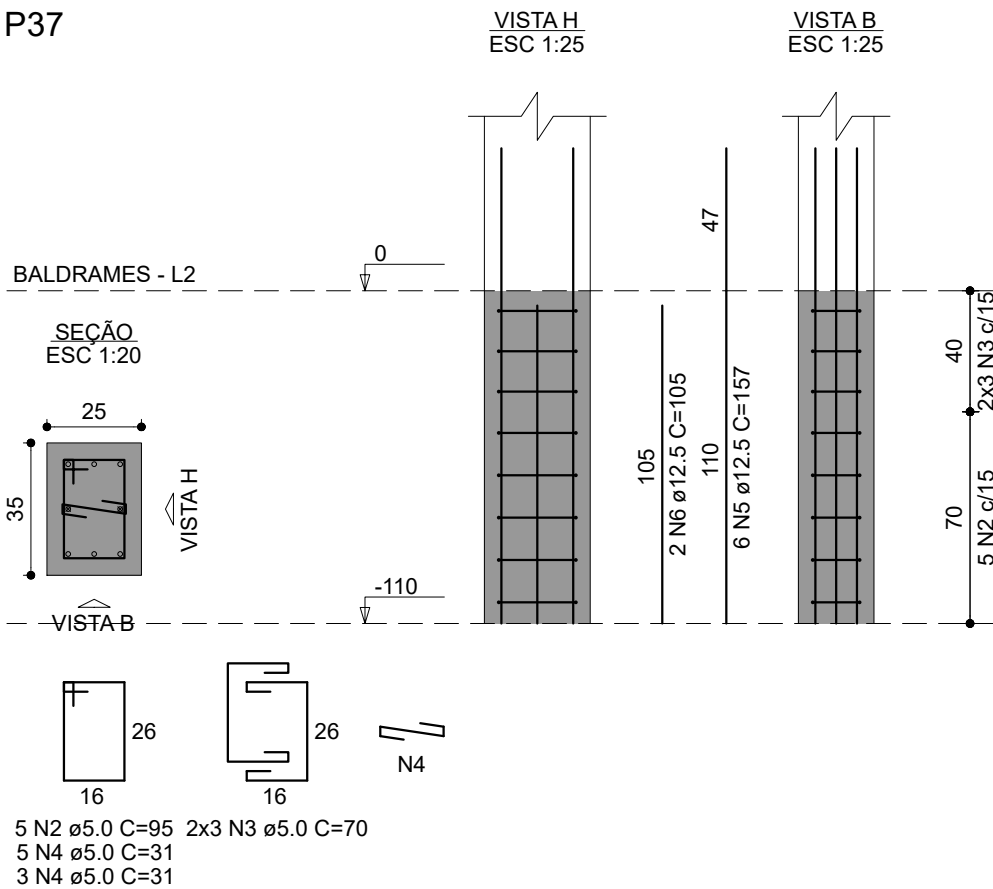
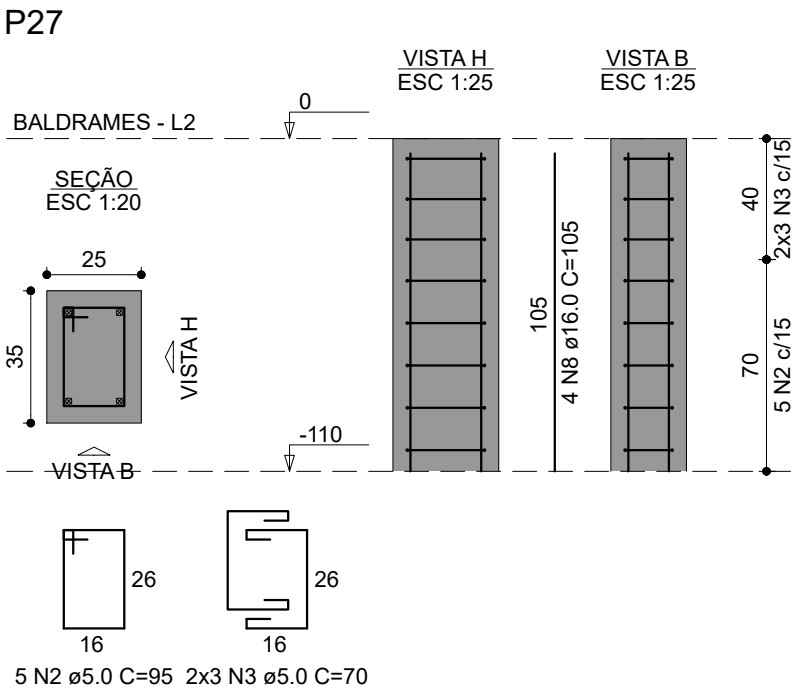
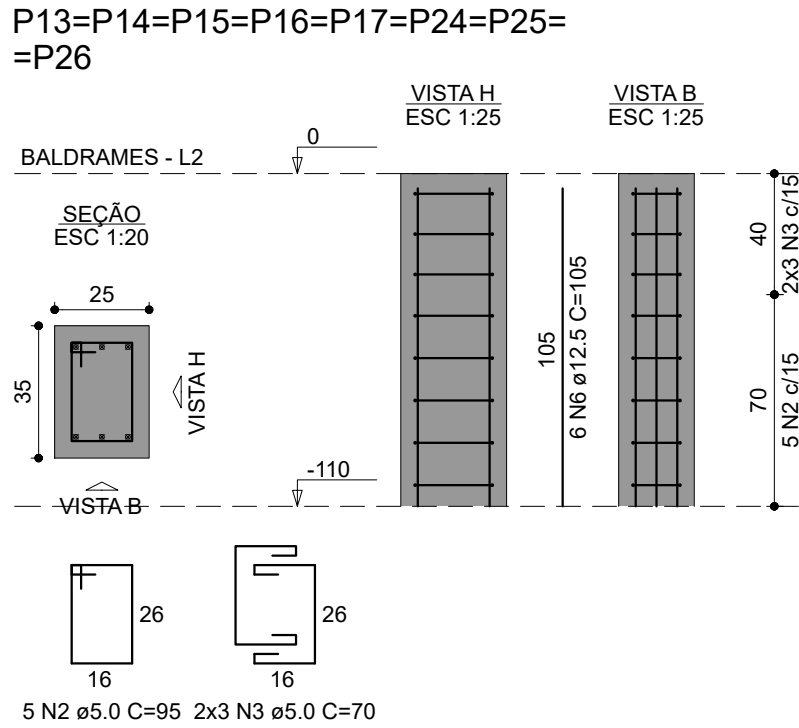
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	8	31	248
	2	5.0	100	95	9500
	3	5.0	120	70	8400
	4	5.0	8	31	248
CA50	5	12.5	48	157	7536
	6	12.5	50	105	5250
	7	16.0	8	170	1360
	8	16.0	4	105	420

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	127.9	135.5
CA60	16.0	17.8	30.9
	5.0	184	31.2
PESO TOTAL (kg)			
CA50		166.4	
CA60		31.2	

Volume de concreto (C-25) = 1.92 m³
Área de forma = 26.40 m²



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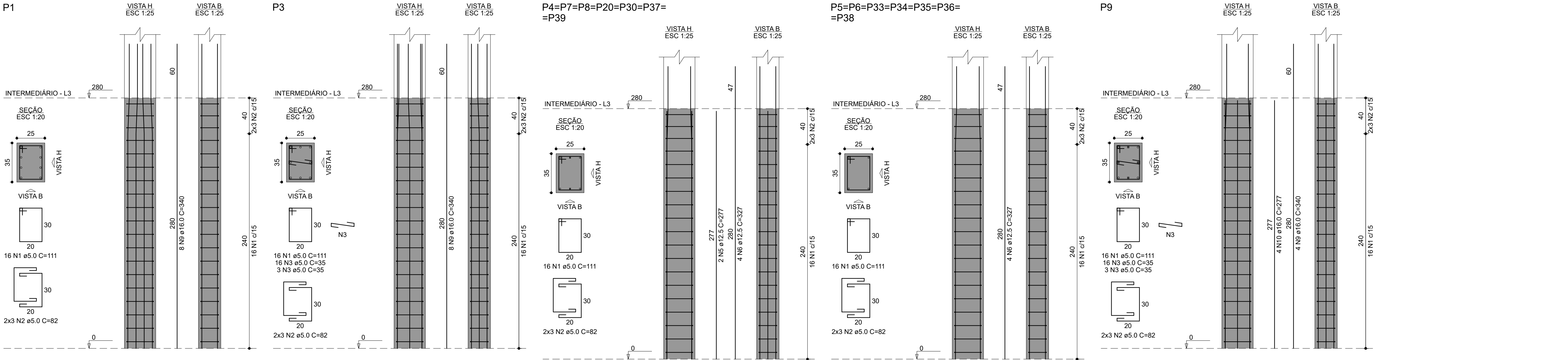
Avenida Fernando Machado, nº 108 E - Bloco 2 Sala 2.2.05
Centro, Chapecó, SC - Contatos: (049) 2042-3113 / 2045-3118 - Site Oficial: www.uffs.edu.br

SECRETARIA ESPECIAL DE OBRAS:
SECRETÁRIO DE OBRAS: ENG. CIV. FÁBIO CORREA GASPARETTO CREA/SC 067202-5

FISCALIZAÇÃO DE OBRAS:
CHAPECÓ-SC: ENG. CIV. FÁBIO ALEX ZENARO CREA/SC 103121-3
CERRO LARGO-RS: ENG. ELETRIC. MATHEUS TODESCATTI CREA/SC 111551-1
ERECHIM-RS: ENG. CIV. PAULO ROBERTO HENEGES CREA/RS 107012
LARANJEIROS DO SUL-PR: ENG. CIV. CANISIO ROQUE SCHMIDT CREA/RS 43769
REALIZA-PR: ENG. CIV. JULIANA ANA CHIARELLO CREA/RS 127986
REALIZA-PR: ENG. CIV. FÁBIO ONETTA CREA/PR 84187-0
REALIZA-PR: ENG. CIV. FABRICIO BALESTRIN CREA/PR 127466

EQUIPE TÉCNICA SEO:
ARO-URB. ADRIANA FREITAS MIGOTT CAUBR A41125-6
ARO-URB. WELLINGTON TISCHER CAUBR A59829-9
ENG. CIV. CLAUDIO LUIZ POMPERMAIER CREA/SC 177729-6
ENG. CIV. RODRIGO EMMER CREA/SC 108926-8
ENG. ELETRIC. SILVIO ANTONIO TESTON CREA/SC 084505-8
ENG. SANIT. ADEMIR TANCINI CREA/SC 113590-2
ENG. MEC. DANIEL ESPIG CREA/SC 114137-1
TEC. MEC. GIOVANI FAVERO
TEC. ELETROTEC. DIEGO GNOATTO
A.T.I. LEANDRO PEREIRA

LOCAL: REALIZA-PR	FASE: EXECUTIVO	ESCALA: 1:20 E 1:25
OBRA: CLÍNICA DE GRANDES ANIMAIS	REVISÃO Nº: R00	TAMANHO FOLHA: 786X297
PROJETO: ESTRUTURAL	DATA: 29/06/2022	Nº PRANCHA:
CONTEÚDO: DETALHE - PILARES SUBSOLO	DESENHADO POR: RODRIGO	EST 14 / 19
ENDEREÇO: AVENIDA EDMUNDO GAIEVSKI, 1000, ZONA RURAL	NOME DO ARQUIVO: CLINICA+GRANDES+ANIMAIS_UFFS_RE_PE_EST.DWG	



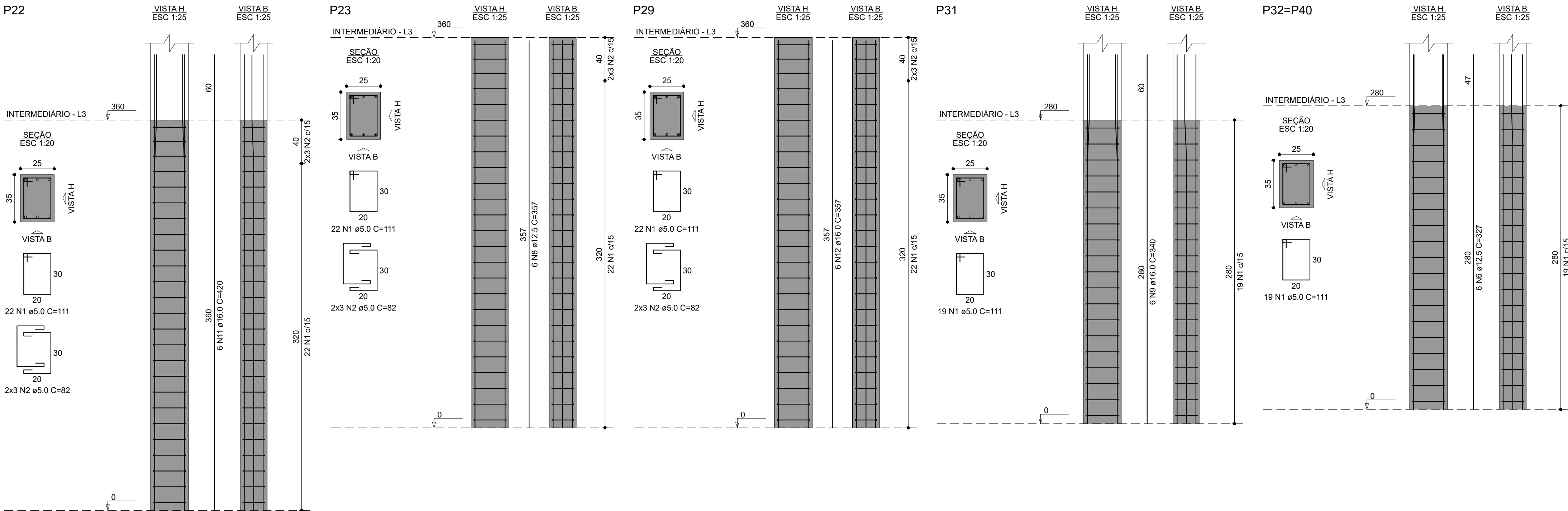
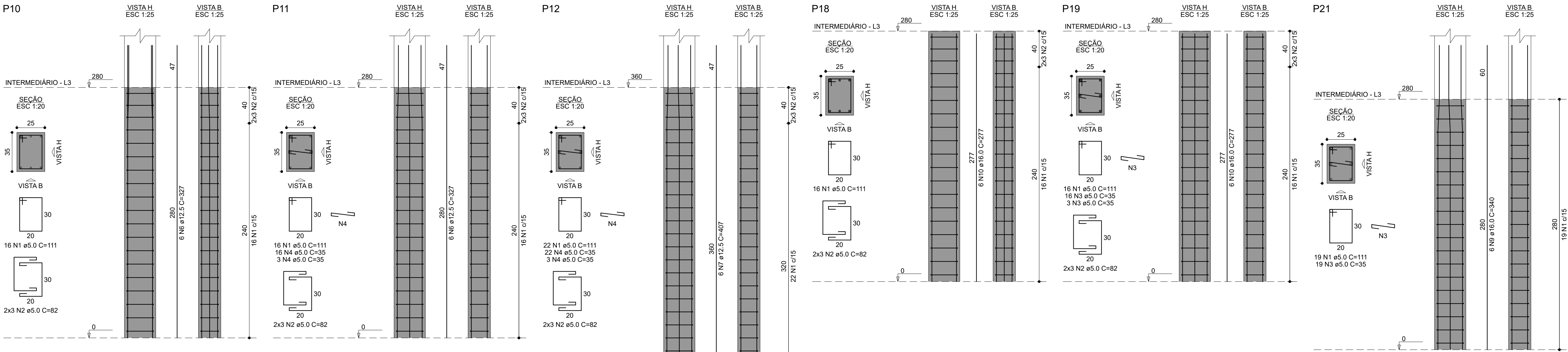
RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	500	111	55500
	2	5.0	150	82	12300
	3	5.0	76	35	2660
	4	5.0	44	35	1540
CA50	5	12.5	14	277	3878
	6	12.5	80	327	26160
	7	12.5	6	407	2442
	8	12.5	6	357	2142
	9	16.0	32	340	10880
	10	16.0	16	277	4432
	11	16.0	6	420	2520
	12	16.0	6	357	2142

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	346.2	366.9
CA60	16.0	199.7	346.8
	5.0	720	122.1
PESO TOTAL (kg)			
CA50			713.7
CA60			122.1

Volume de concreto (C-25) = 7.38 m³
Área de forma = 101.28 m²



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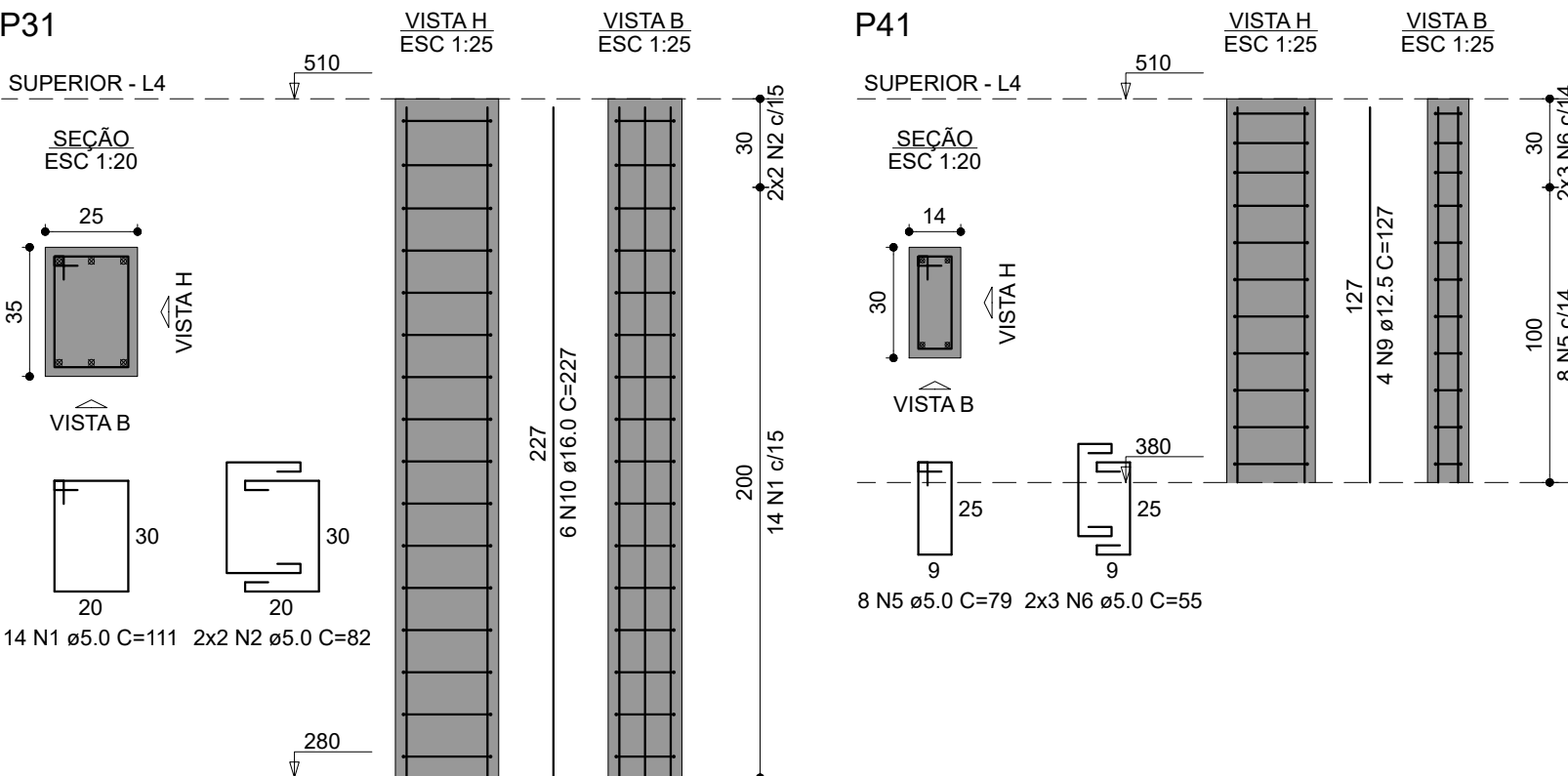
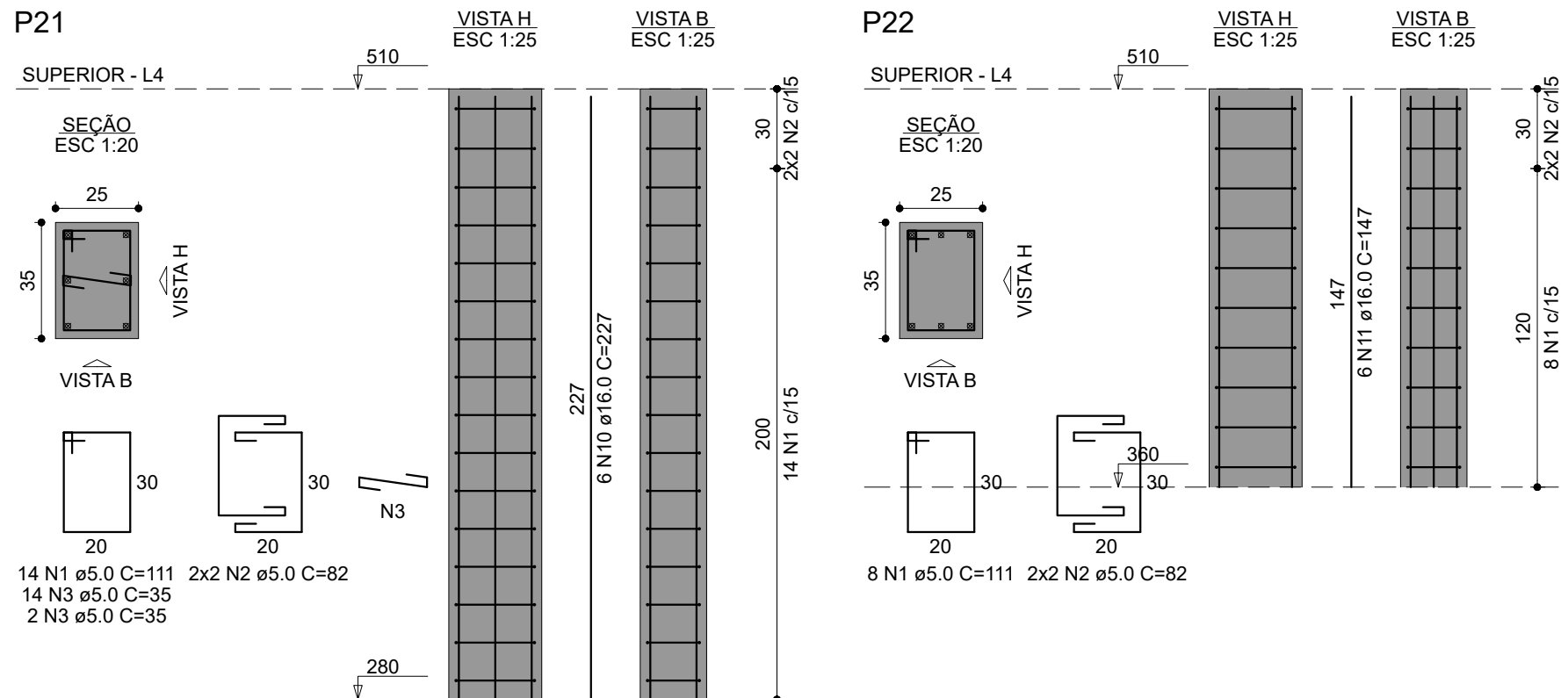
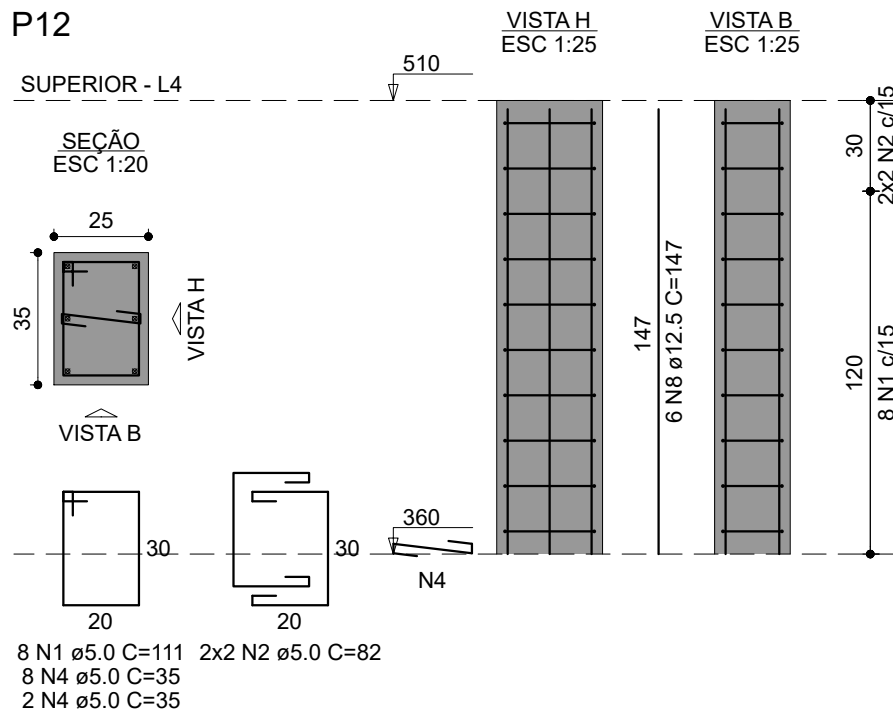
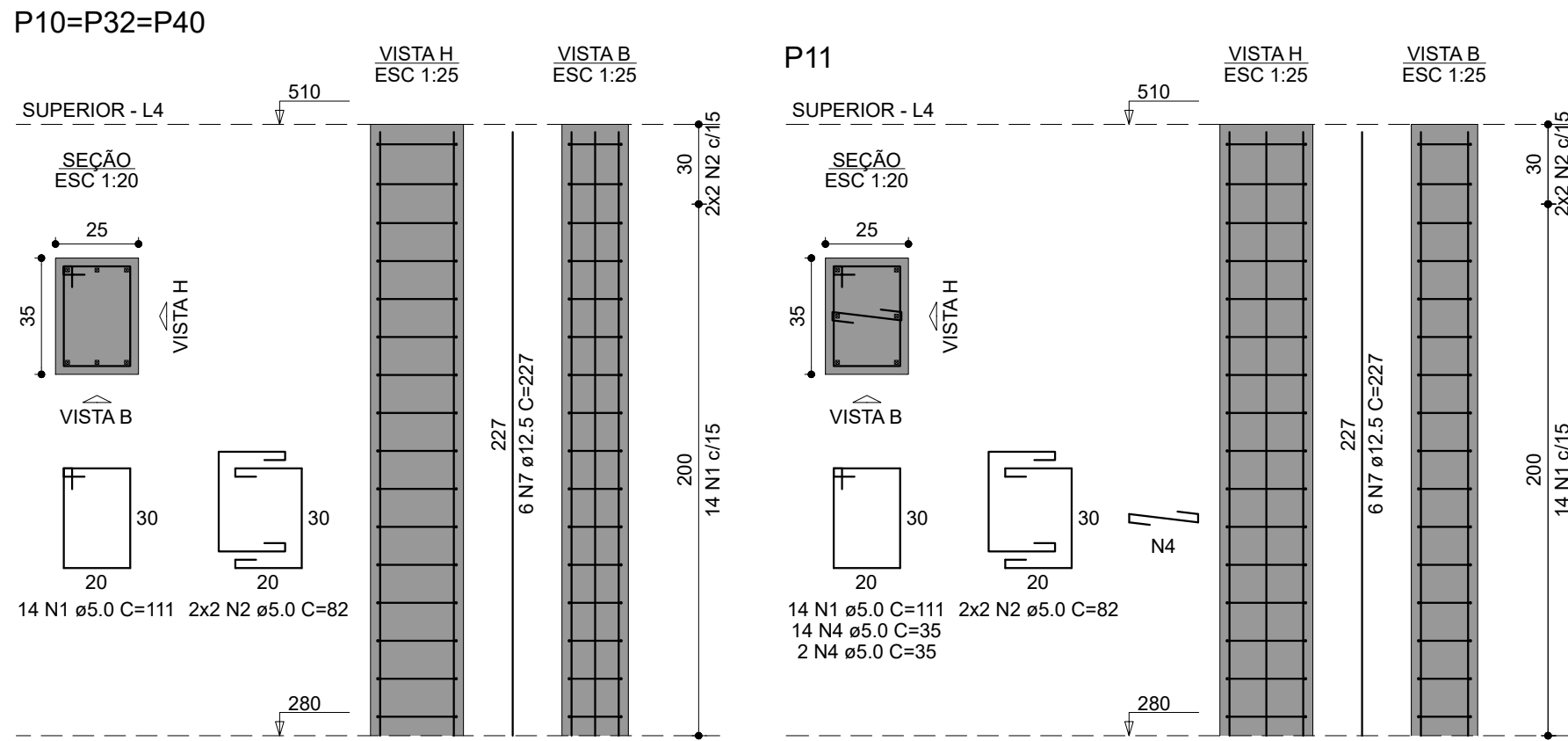
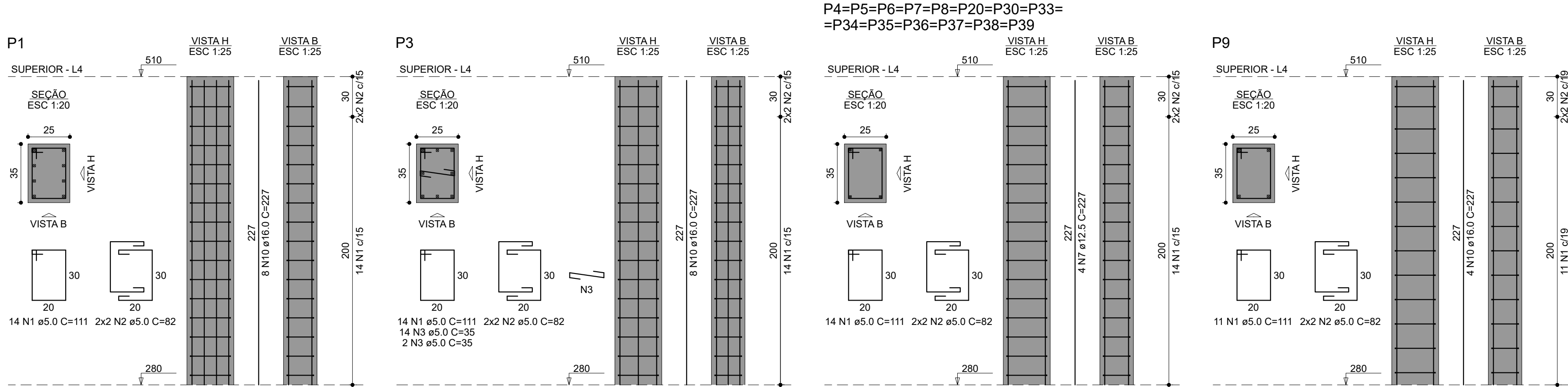
Secretaria Especial de Obras-SEO

Av. Itália, Fátima, Marabá, s/nº - Zona 1, Marabá - PA, 68000-000
Cidade: Marabá - PA, Brasil. Fone: (14) 3098-1111. E-mail: uffs@uffs.br

LOCAL: REALEZA-PR
OBRA: CLÍNICA DE GRANDES ANIMAIS
PROJETO: ESTRUTURAL
CONTEÚDO: DETALHE - PILARES BALDRAME
ENDEREÇO: AVENIDA EDMUNDO GAIÉVSKI, 1000, ZONA RURAL

FASE: EXECUTIVO
REVISÃO Nº: R00
DATA: 29/06/2022
DESENHADO POR: RODRIGO
NOME DO ARQUIVO:

ESCALA: 1:20 E 1:25
TAMANHO FOLHA: 950X600
Nº PRANCHA: 15
19



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	335	111	37185
	2	5.0	100	82	8200
	3	5.0	32	35	1120
	4	5.0	26	35	910
	5	5.0	8	79	632
	6	5.0	6	55	330
CA50	7	12.5	80	227	18160
	8	12.5	6	147	882
	9	12.5	4	127	508
	10	16.0	32	227	7264
	11	16.0	6	147	882

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	195.5	207.2
CA60	16.0	81.5	141.4
PESO TOTAL (kg)			
CA50	348.6		
CA60	82		

Volume de concreto (C-25) = 4.95 m³
Área de forma = 68.22 m²

CARIMBOS:

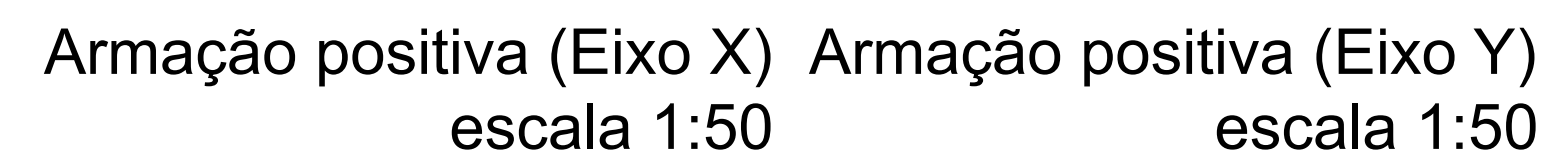
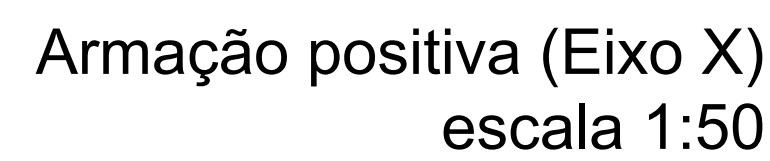
SECRETARIA ESPECIAL DE OBRAS:
SECRETÁRIO DE OBRAS: ENG. CIV. FÁBIO CORREA GASPARETTO CREA/SC 067202-5

FISCALIZAÇÃO DE OBRAS:
CHAPELCO/SC: ENG. CIV. FÁBIO ALEX ZENARO CREA/SC 103121-3
ENG. ELETRIC. MATHEUS TODESCATTI CREA/SC 111551-1
ENG. CIV. PAULO ROBERTO HENRIQUES CREA/RS 107012
CERRO/LARGOIRS: ENG. CIV. CANISIO ROQUE SCHMIDT CREA/RS 43769
ERECIM/RS: ENG. CIV. JULIANA NAI CHARELLO CREA/RS 127586
LARANJEIRAS DO SUL/PR: ENG. CIV. FÁBIO ONETTA CREA/PR 84187-0
REALIZA/PR: ENG. CIV. FABRÍCIO BALESTRIN CREA/PR 127466

EQUIPE TÉCNICA SEO:
ARO URB. ADRIANA FREITAS MIGOTT CAUBR A41125-6
ARO URB. WELLINGTON TOSCHER CAUBR A59059-9
ENG. CIV. CLÁUDIO LUZ POMPERMAIER CREA/SC 177729-8
ENG. CIV. RODRIGO EMMER CREA/SC 108265-8
ENG. ELETRIC. SILVIO ANTONIO TESTON CREA/SC 966859-8
ENG. SANT. ADEMIR TANCINI CREA/SC 113550-2
ENG. MEC. DANIEL ESPINO TEC. MEC. GIOVANI FÁVERO CREA/SC 114137-1
TEC. ELETROTEC. DIEGO GONATTO A.T. LEANDRO PEREIRA

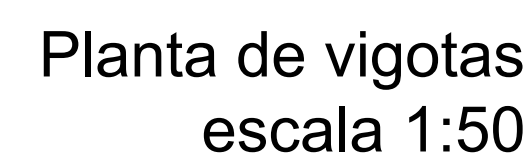
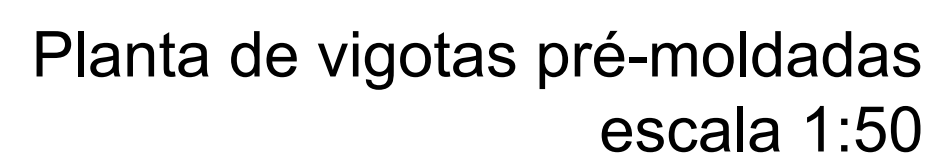
Secretaria Especial de Obras-SEO
Avenida Fernando Machado, nº 108 E - Bloco 2 Sala 2.305
Cortina, Chapecó, SC - CEP: 01501-200-3113 - 2005-3118 - Site Oficial: www.uffs.edu.br

LOCAL: EXECUTIVO OBRA: CLÍNICA DE GRANDES ANIMAIS PROJETO: ESTRUTURAL CONTEÚDO: DETALHE - PILARES INTERMEDIÁRIO ENDEREÇO: AVENIDA EDMUNDO GAIEVSKI, 1000, ZONA RURAL	FASE: EXECUTIVO REVISÃO Nº: R00 DATA: 29/06/2022 DESENHADO POR: RODRIGO NOME DO ARQUIVO: CLINICA+GRANDES+ANIMAIS_UFFS_RE_PFE_EST.DWG	ESCALA: 1:20 E 1:25 TAMANHO FOLHA: 786X420 Nº PRANCHA: 16 19
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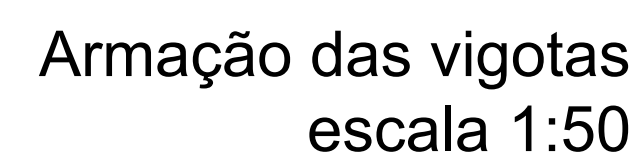


RELAÇÃO DO AÇO

Volume de concreto (C-25) = 0.00 m³
Área de forma = 0.00 m²

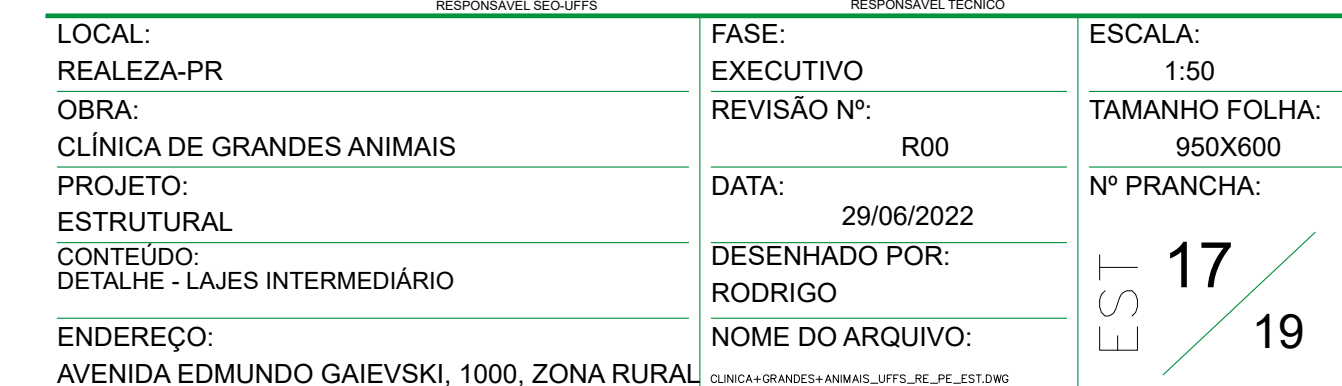


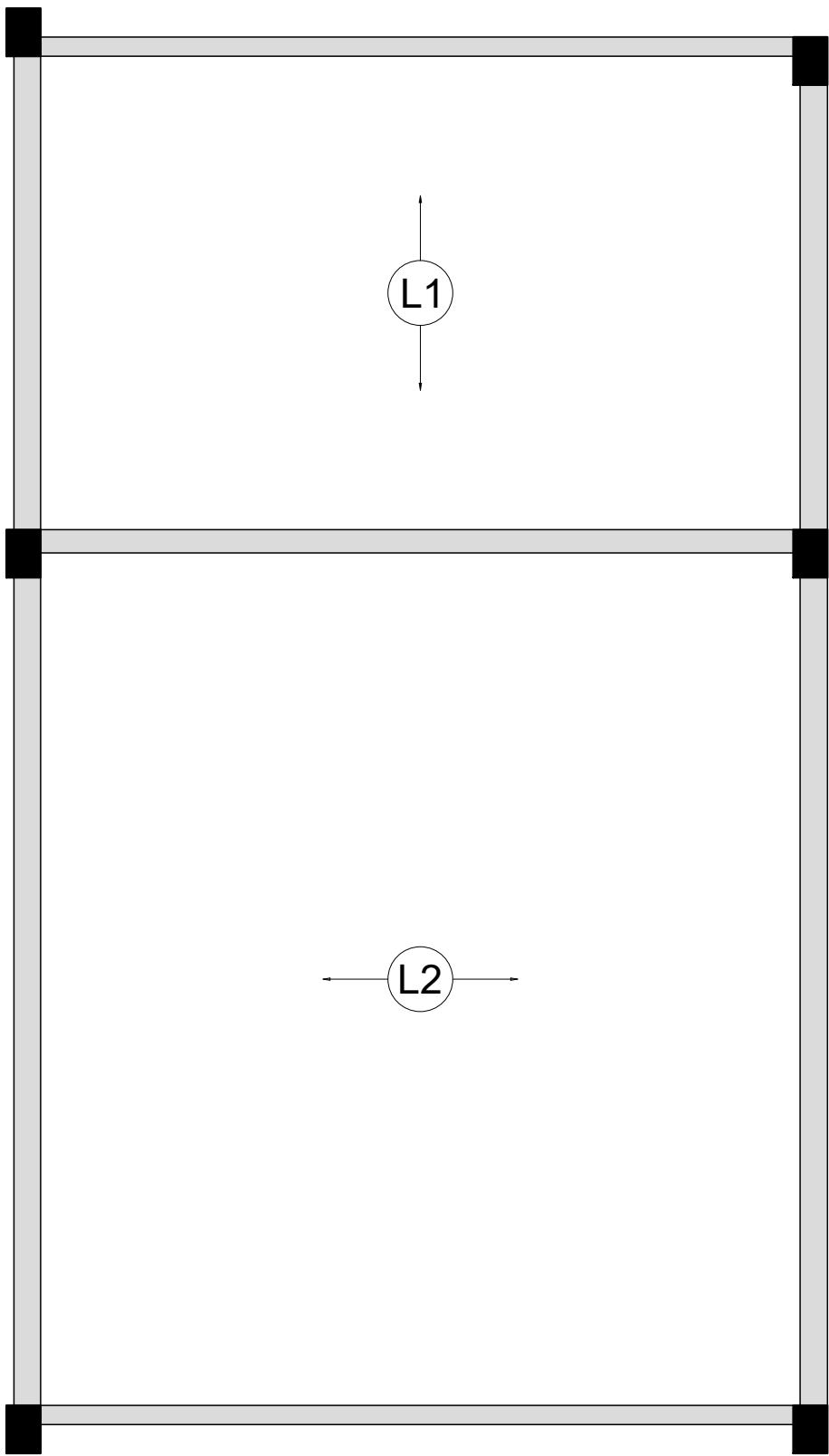
Armação negativa (Eixo Y)
escala 1:50



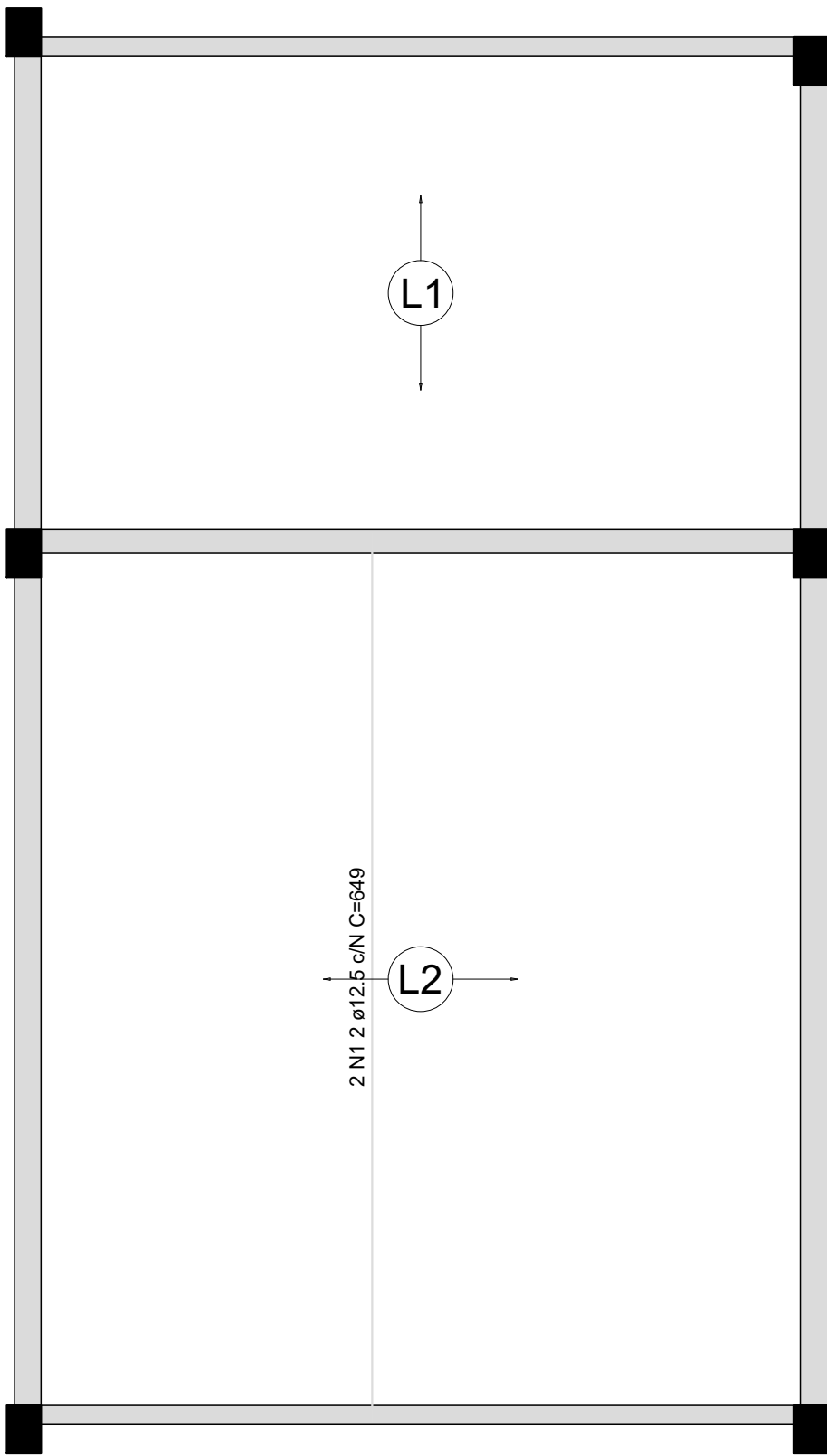
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	79.6	21.4
	8.0	158.4	68.7
	10.0	83.2	56.4
CA60	TR 12845	76.3	74.4
	TR 12646	223.8	250.3
PESO TOTAL (kg)			
CA50	146.6		
CA60	325		

CARIMBOS:

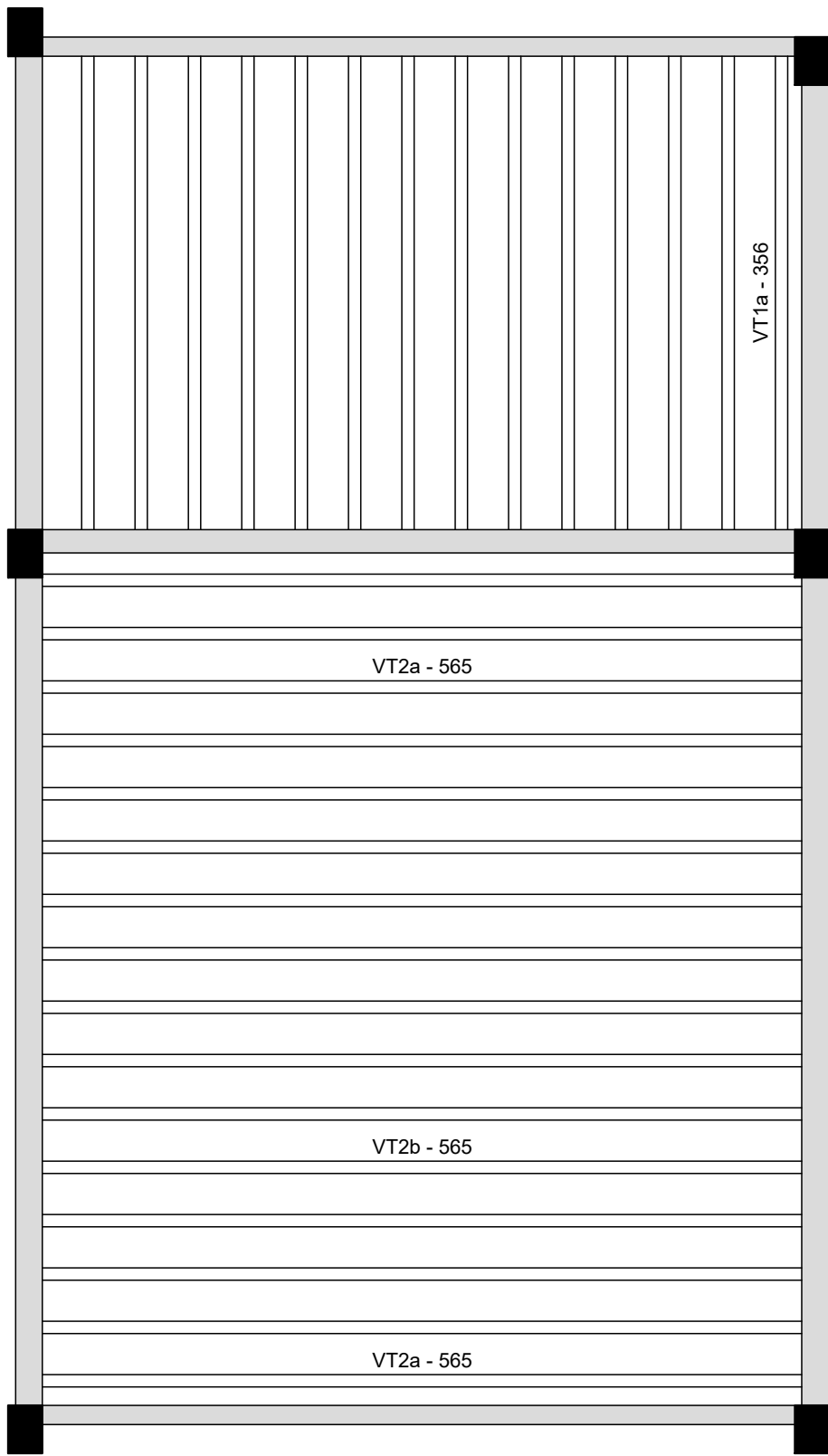




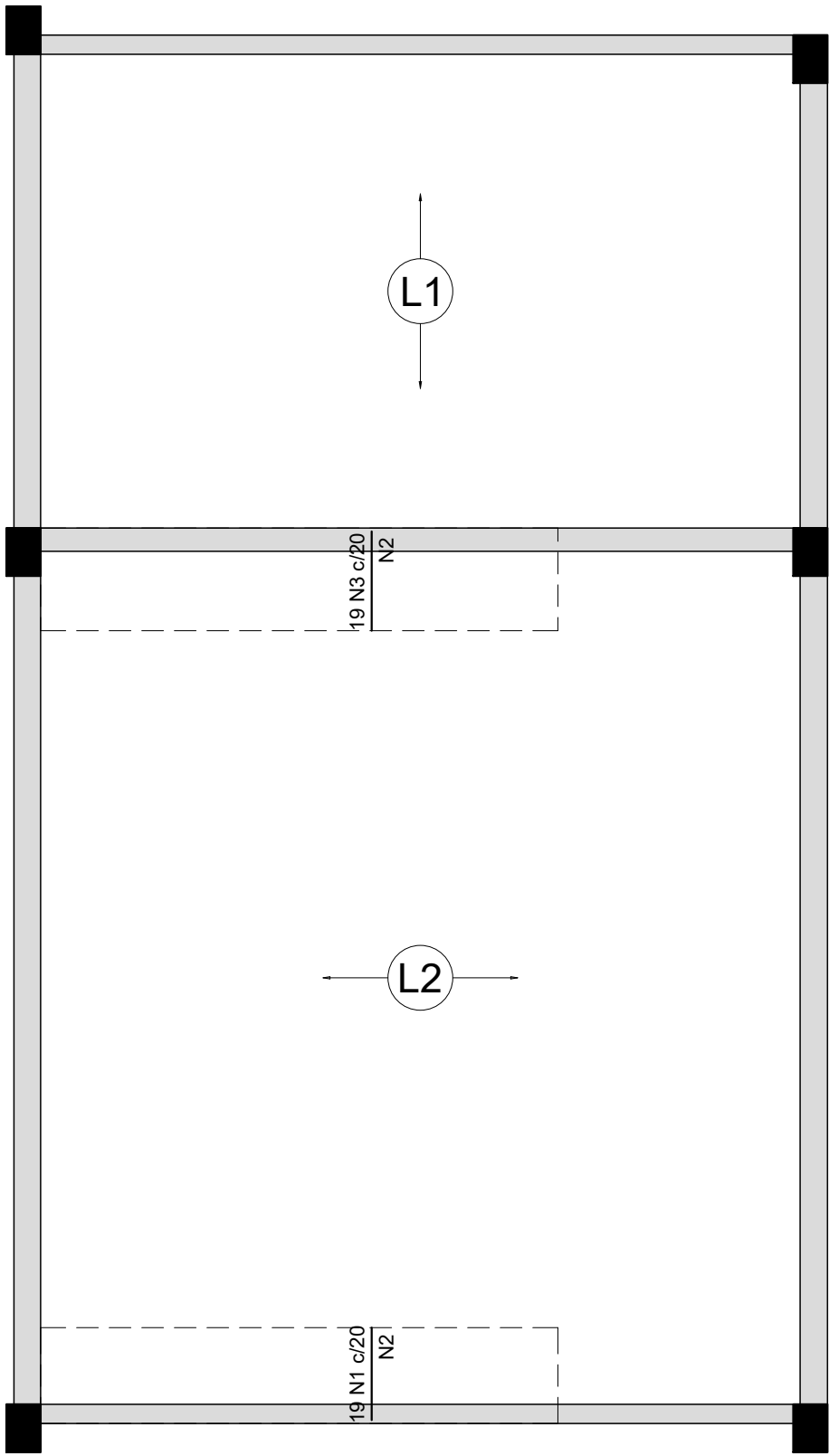
Armação positiva (Eixo X)
escala 1:50



Armação positiva (Eixo Y)
escala 1:50



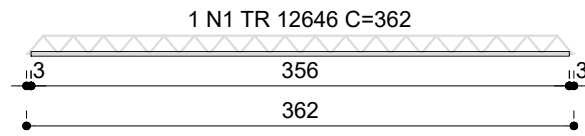
Planta vigotas pré-moldadas
escala 1:50



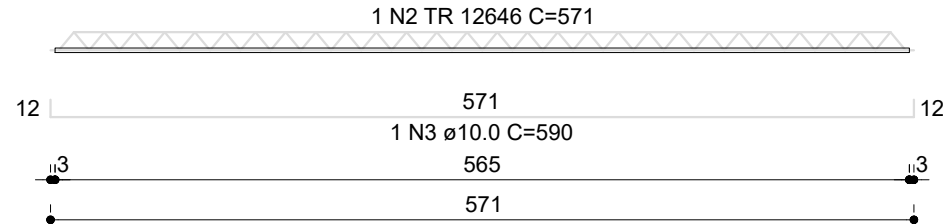
Armação negativa (Eixo Y)
escala 1:50

Armaduras de distribuição	
Armadura	Armadura de distribuição
N1	4 N2 ø5.0 c/20 C=378
N3	4 N2 ø5.0 c/20 C=378

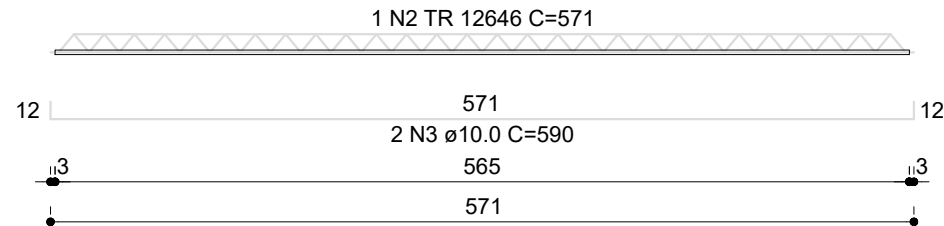
VT1a (14 unidades)
(L1)
ESC 1:50



VT2a (7 unidades)
(L2)
ESC 1:50

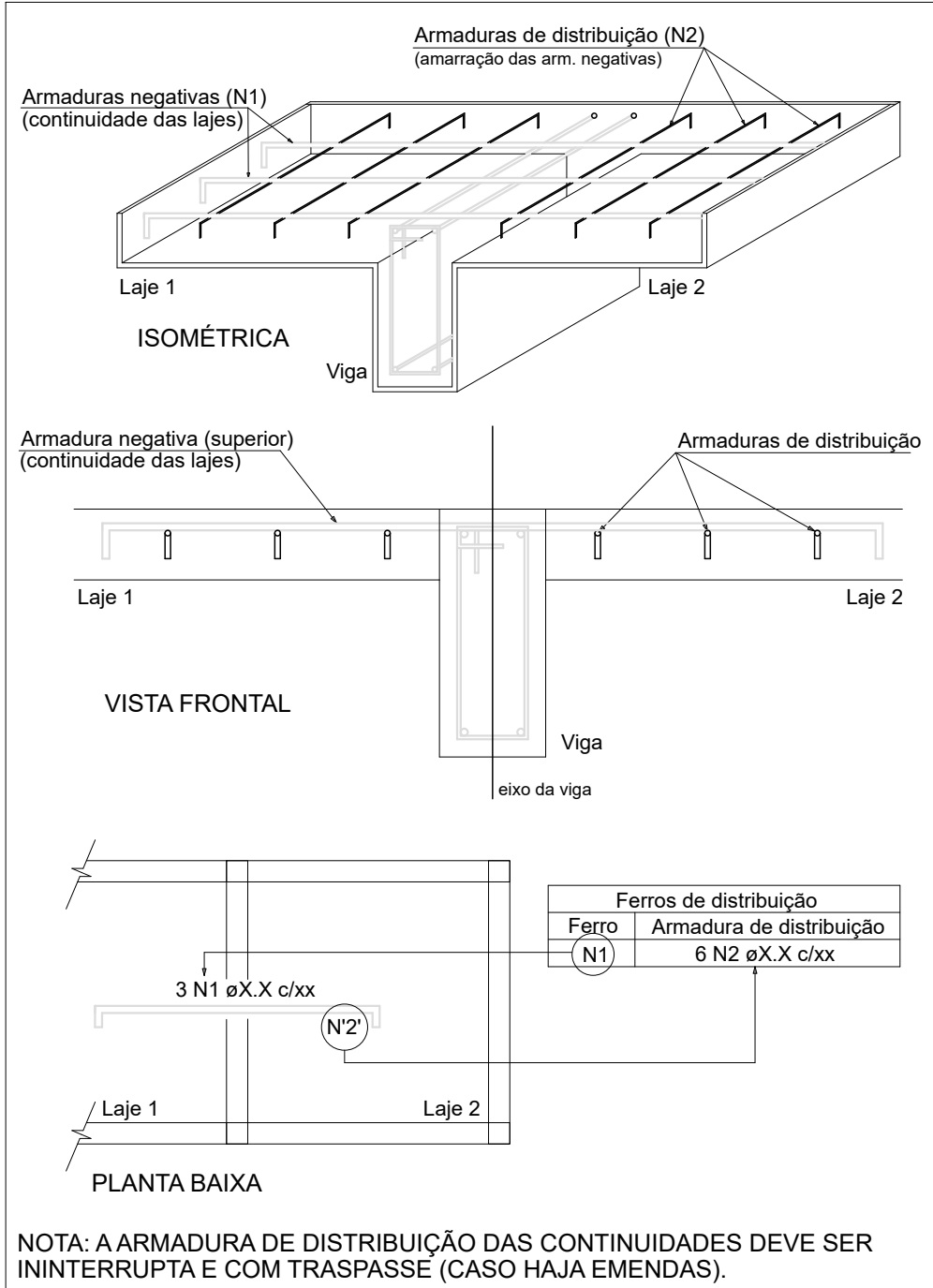


VT2b (9 unidades)
(L2)
ESC 1:50



Armação das vigotas
escala 1:50

DETALHE DA ARMADURA SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



NOTA: A ARMADURA DE DISTRIBUIÇÃO DAS CONTINUIDADES DEVE SER ININTERRUPTA E COM TRASPASSE (CASO HAJA EMENDAS).

RELAÇÃO DO AÇO					
Positivos Y					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	12.5	2	649	1298

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	13	13.8
PESO TOTAL (kg)			
CA50	13.8		

Volume de concreto (C-25) = 3.34 m³
Área de forma = 0.00 m²

RELAÇÃO DO AÇO					
Negativos Y					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	19	68	1292
	2	5.0	8	378	3024
	3	5.0	19	73	1387

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	57	9.7
PESO TOTAL (kg)			
CA60	9.7		

Volume de concreto (C-25) = 0.00 m³
Área de forma = 0.00 m²

RELAÇÃO DO AÇO					
14xVT1a 7xVT2a 9xVT2b					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 12646	14	362	5068
CA60	2	TR 12646	16	571	9136
CA50	3	10.0	25	590	14750

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	147.5	100
CA60	TR 12646	142	158.9
PESO TOTAL (kg)			
CA50	100		
CA60	158.9		

Volume de concreto (C-25) = 0.00 m³
Área de forma = 0.00 m²

CARIMBOS:



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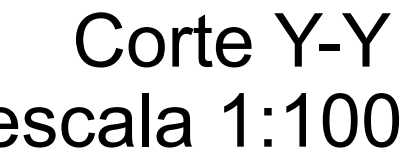
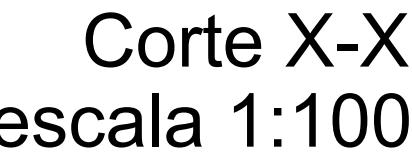
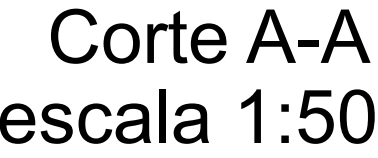
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SECRETÁRIO DE OBRAS: ENG. CIV. FÁBIO CORRÊA GASPARETTO CREA/SC 067302-5

FISCALIZAÇÃO DE OBRAS:
CHAPELCO: ENG. CIV. FÁBIO ALEX ZENARO CREA/SC 103121-3
CERRO LARGOIS: ENG. ELETRIC. MATHIEUS TODSCATT CREA/SC 111551-1
ENG. CIV. PAULO ROBERTO HENDRES CREA/RS 107012
ERECIMARIS: ENG. CIV. CÂNDIDO ROQUE SCHMIDT CREA/RS 43769
ENG. CIV. JULIANA ANNA CHARELLO CREA/RS 127686
LARANJEIRAS DO SUL-PR: ENG. CIV. FÁBIO ONETTA CREA/PR 84187-0
REALIZA-PIRE: ENG. CIV. FABRÍCIO BALESTRIN CREA/PR 127686

EQUIPE TÉCNICA SEO:
ARG. URB. ALIANA FREITAS MCGOTT CAUBR. A41125-9
ARG. URB. WELLINGTON TISCHER CAUBR. A5926-9
ENG. CIV. CLAUDIO LUIZ POMPERMAIER CREA/SC 177226-6
ENG. CIV. RODRIGO EMMER CREA/SC 108026-6
ENG. ELETRIC. SILVIO ANTONIO TESTON CREA/SC 094836-6
ENG. SANT. ADRIANO TACON CREA/SC 115560-2
TEC. MEC. GIOVANI FAIVERO CREA/SC 114137-1
TEC. ELETROTÉC. DIEGO GONÇALVES A.T. LEANDRO PEREIRA

LOCAL: REALIZA-PR	FASE: EXECUTIVO	ESCALA: 1:50
OBRA: CLÍNICA DE GRANDES ANIMAIS	REVISÃO N°: R00	TAMANHO FOLHA: 630X594
PROJETO: ESTRUTURAL	DATA: 29/06/2022	Nº PRANCHA:
CONTEÚDO: DETALHE - LAJES SUPERIOR	DESENHADO POR: RODRIGO	18 EST 19
ENDEREÇO: AVENIDA EDMUNDO GAIJEVSKI, 1000, ZONA RURAL	NOME DO ARQUIVO: CLINICA+GRANDES+ANIMAIS_UFFS_RE_FE_EST.DWG	



Perspectivas 3D
Sem escala



Emitido em 29/06/2022

Projeto N° DOC (37) PROJETO EST - 19 PRANCHAS/2022 - DGCT (10.55.01.01)

(N° do Documento: 78)

(N° do Protocolo: NÃO PROTOCOLADO)

(Assinado digitalmente em 07/07/2022 14:49)

FABIO CORREA GASPARETTO

SECRETARIO - TITULAR

SEO (10.55)

Matrícula: 2015260

(Assinado digitalmente em 07/07/2022 15:01)

RODRIGO EMMER

ENGENHEIRO-AREA

DPA (10.55.04)

Matrícula: 1770862

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