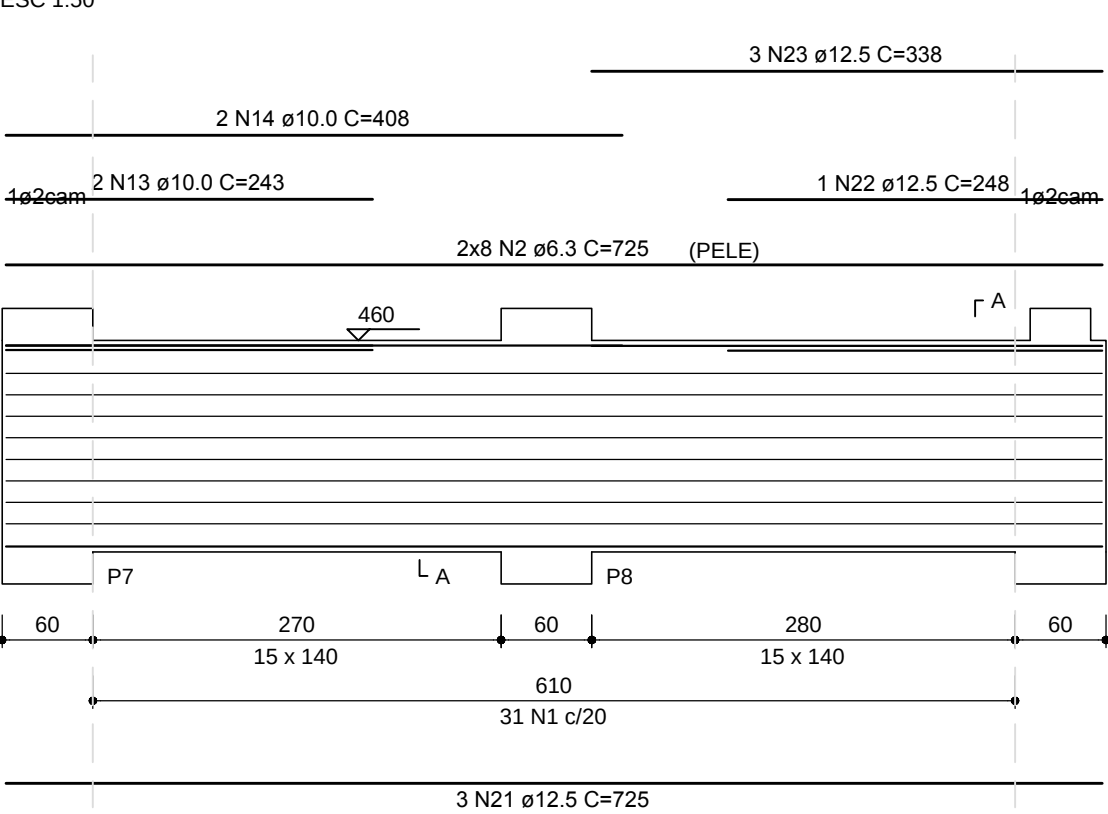
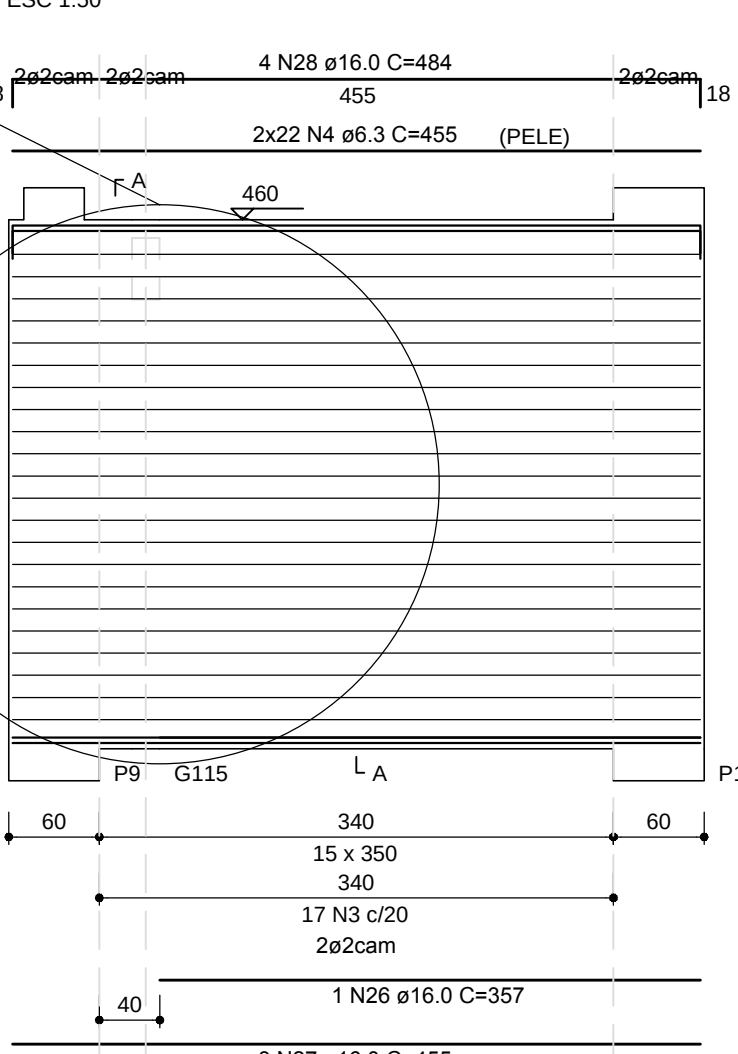


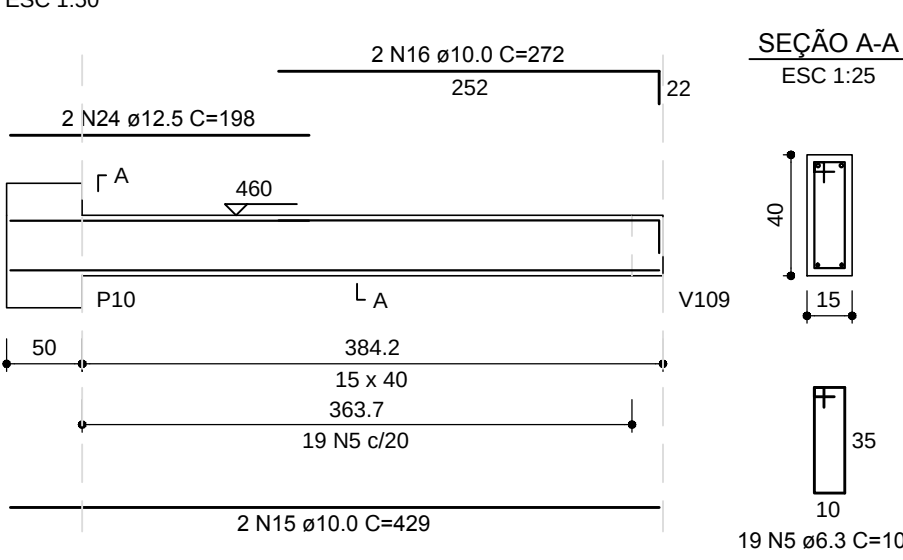
V101 (15 x 140)



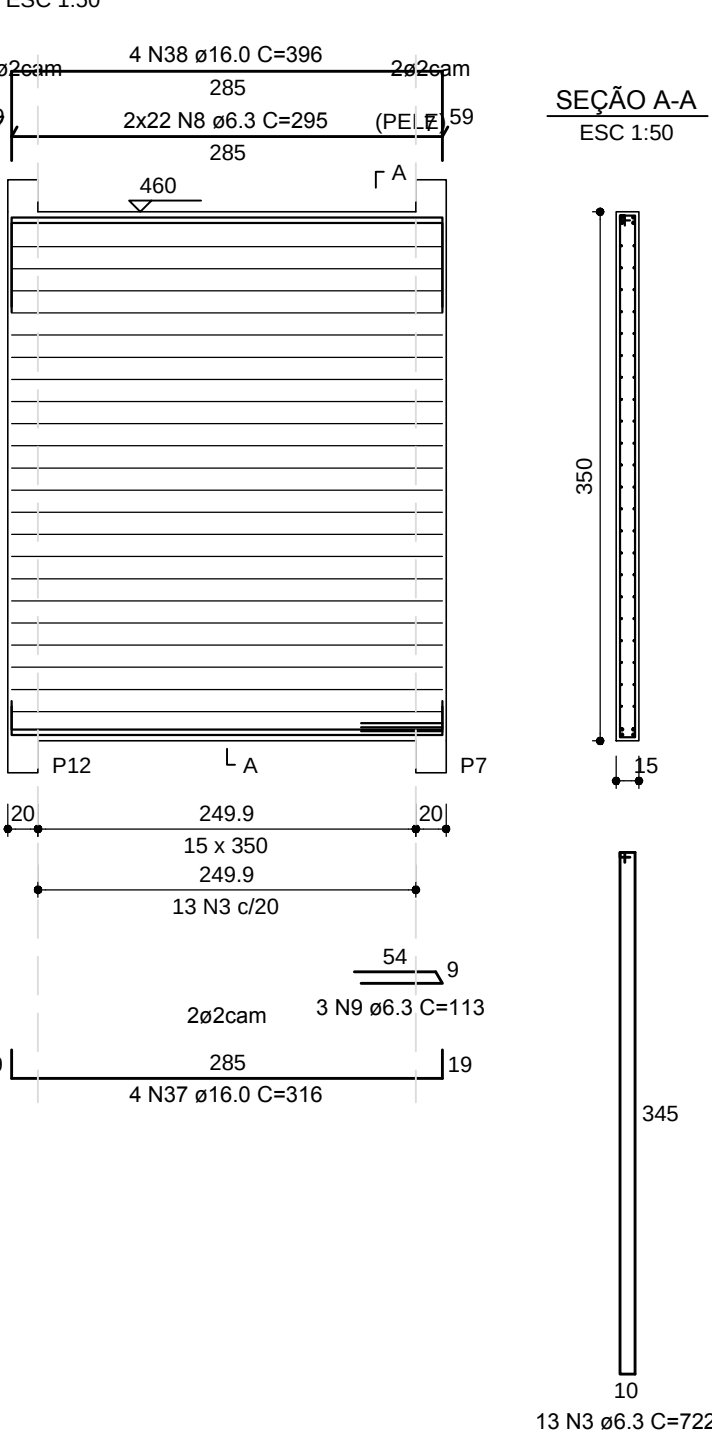
V102 (15 x 350)



V103 (15 x 40)



V105 (15 x 350)

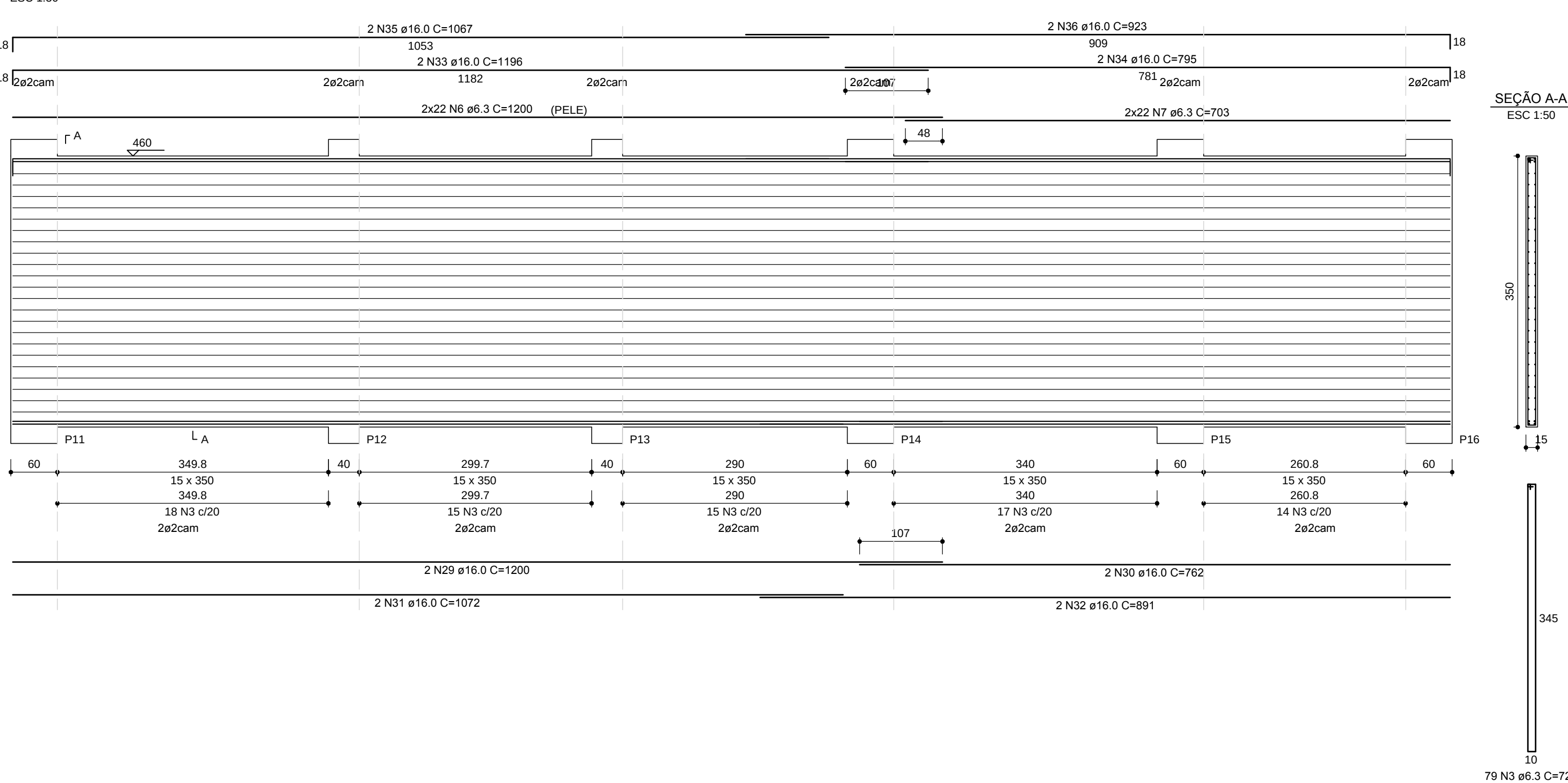


RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	31	302	9362
	2	6.3	16	725	11600
	3	6.3	136	722	98192
	4	6.3	44	455	20020
	5	6.3	32	102	3264
	6	6.3	44	1200	52800
	7	6.3	44	703	30932
	8	6.3	88	295	25960
	9	6.3	7	113	791
	10	6.3	44	293	12892
	11	6.3	20	112	2240
	12	6.0	6	138	828
	13	10.0	2	243	486
	14	10.0	2	408	816
	15	10.0	2	429	858
	16	10.0	2	272	544
	17	10.0	2	304	608
	18	10.0	3	435	1305
	19	10.0	1	163	163
	20	10.0	2	470	940
	21	12.5	3	725	2175
	22	12.5	1	248	248
	23	12.5	3	338	1014
	24	12.5	2	198	396
	25	12.5	2	355	710
	26	16.0	1	357	357
	27	16.0	3	455	1365
	28	16.0	4	484	1936
	29	16.0	2	1200	2400
	30	16.0	2	762	1524
	31	16.0	2	1072	2144
	32	16.0	2	891	1782
	33	16.0	2	1196	2392
	34	16.0	2	795	1590
	35	16.0	2	1067	2134
	36	16.0	2	923	1846
	37	16.0	8	316	2528
	38	16.0	8	396	3168
	39	16.0	4	354	1416
	40	16.0	4	680	2720

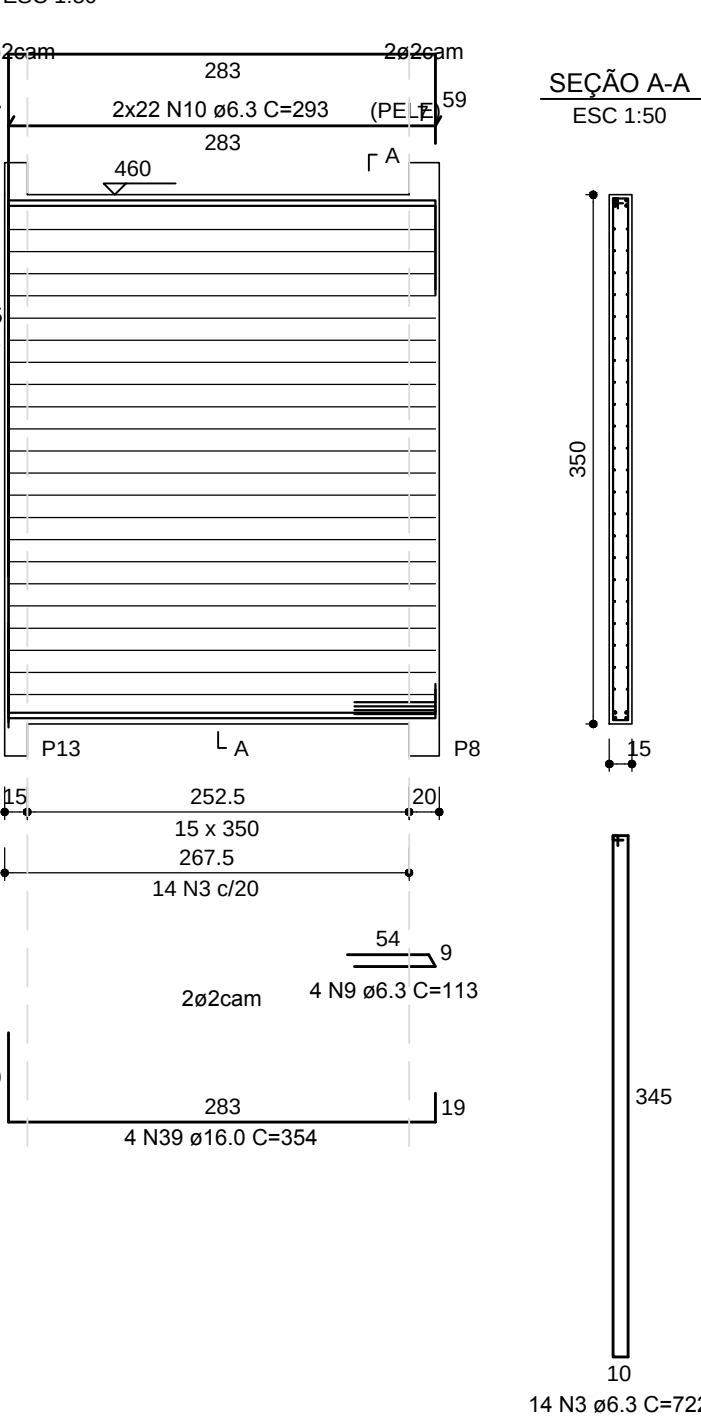
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO +10% (kg)
CA50	6.3	2680.5	721.5
	8.0	8.3	3.6
	10.0	57.2	38.8
	12.5	45.4	48.1
	16.0	293	508.7
PESO TOTAL (kg)			
CA50	1320.8		

Volume de concreto (C-25) = 19.05 m³
Área de forma = 260.63 m²

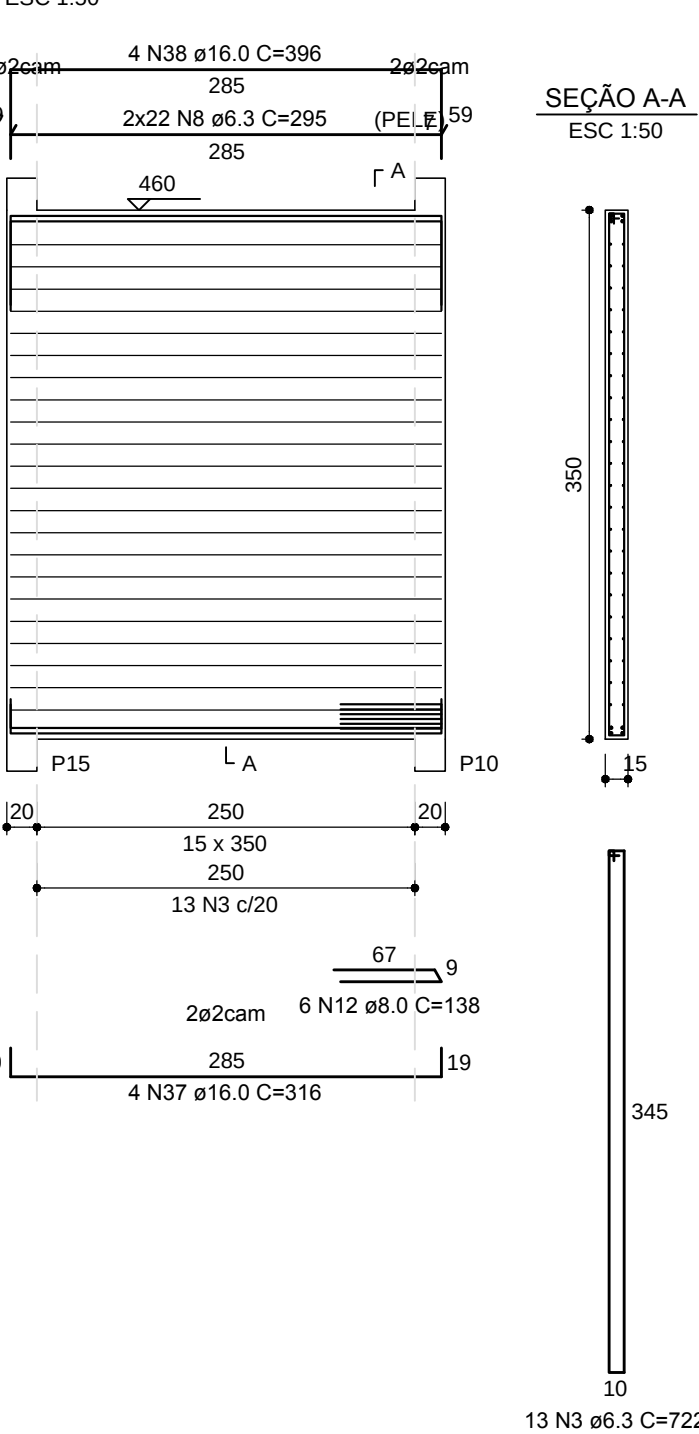
V104 (15 x 350)



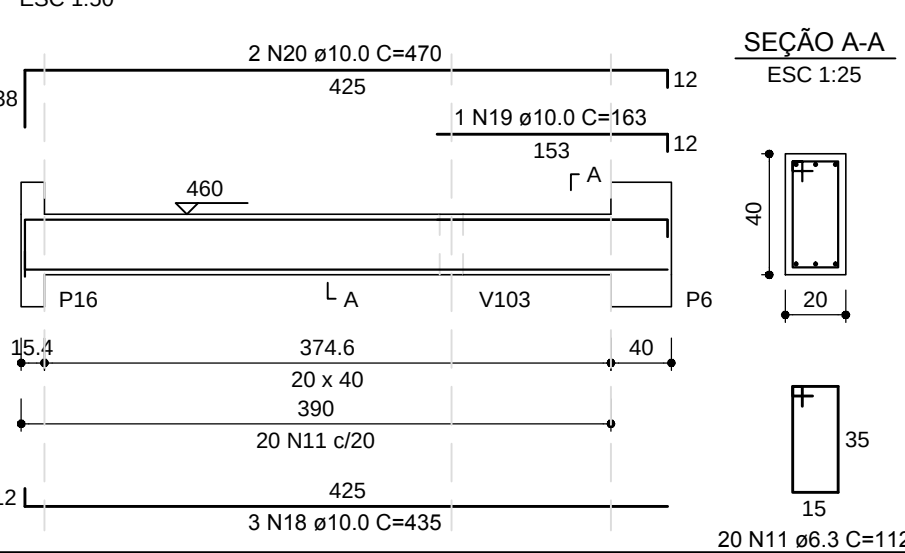
V106 (15 x 350)



V108 (15 x 350)



V109 (20 x 40)



ESCRITÓRIO RESPONSÁVEL:



BC Consultores
Engenharia Civil
http://bcconsultores.com.br

0 EMISSÃO INICIAL		11/01/2019		CANARIM	DANILO	DANILO
REV.	DESCRIÇÃO			DATA	EXEC.	VERIF. APROV.
<div><div><div>PREFEITURA</div><div>SAQUAREMA</div><div>TRABALHO E RESPEITO</div></div></div>				APROVADO		
SECRETARIA DE OBRAS E URBANISMO						
SECRETARIA DE OBRAS E URBANISMO						
TÍTULO						
POUPA TEMPO						
PROJETO ESTRUTURAL - ARMAÇÃO DAS VIGAS DO 1º TETO						
LOCAL	POUPA TEMPO AV. SAQUAREMA - SAQUAREMA			ARG. ELETRÔNICO		
				DE-503.18-EST-001 A 023+0.DWG		
PROJETO				Nº		
				DE-503.18-EST-017=0		
SERGIO BRUNO FARINHA CANARIM 23979/D				ESCALA	DATA	FRANCHA
				1/50	JAN/2019	17/23