

P1=P2=P3=P4=P5=P6=P10=P11=P12=P20=P24  
=P25=P28=P29=P31=P32=P33=P34=P35

P15=P20

P16=P17=P21=P22

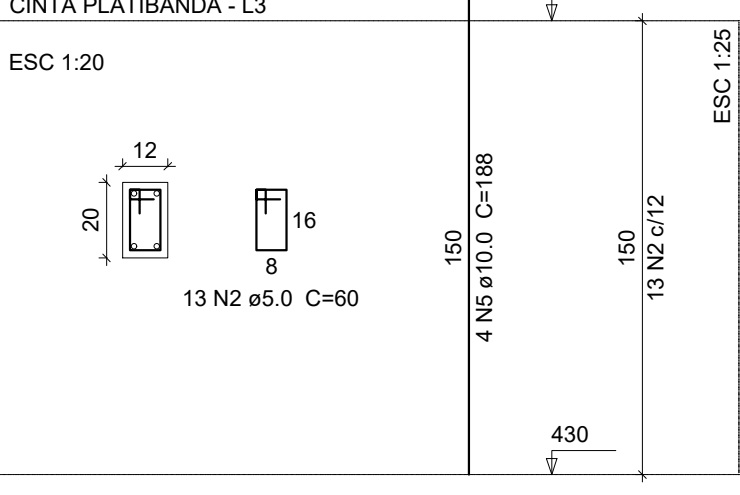
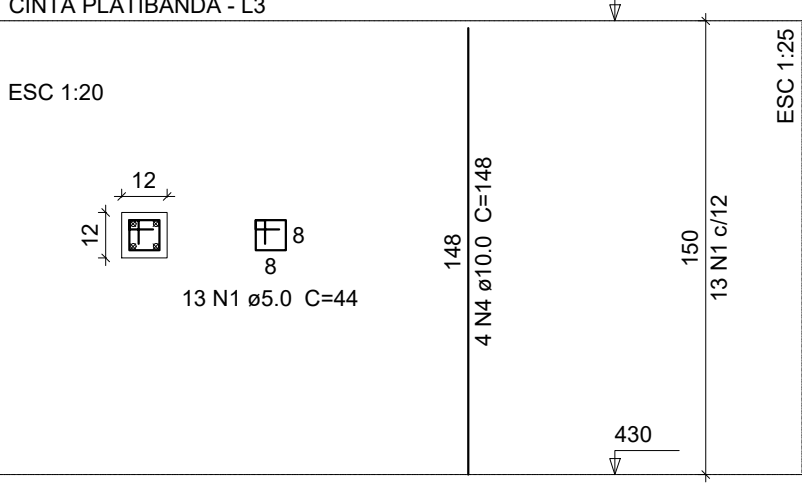
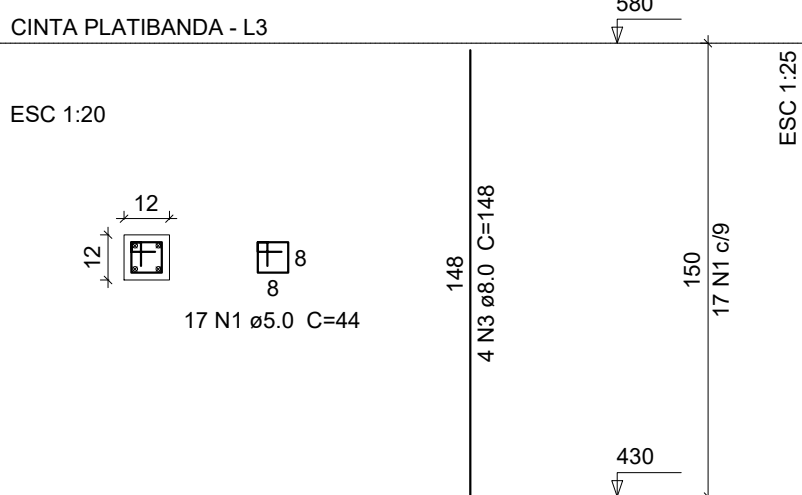
Relação do aço

		12xP1	2xP15	4xP16	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	230	44	10120
CA50	2	5.0	52	60	3120
	3	8.0	72	148	10656
	4	10.0	8	148	1184
	5	10.0	16	168	3008

Resumo do aço

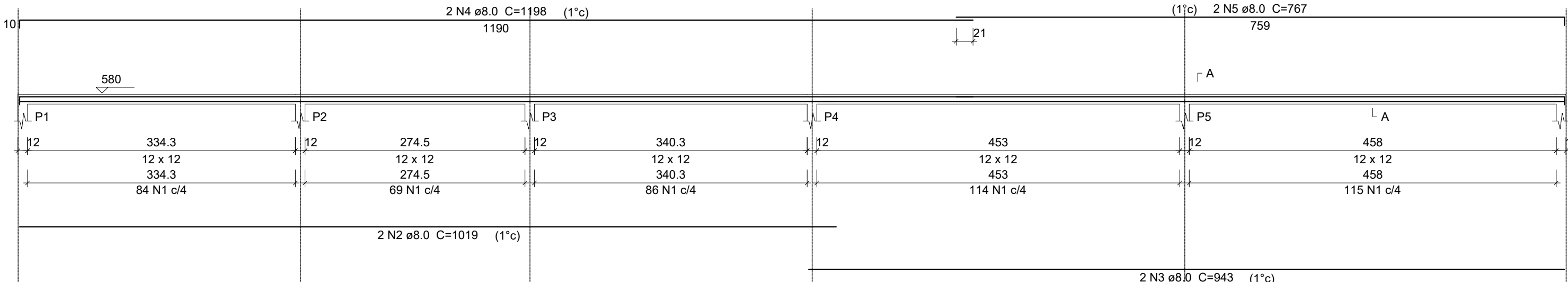
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	106.6	46.2
CA60	5.0	132.4	22.4
PESO TOTAL (kg)			
CA50		74.6	
CA60		22.4	

Volume de concreto (C-25) = 0.45 m³  
Área de forma = 13.92 m²



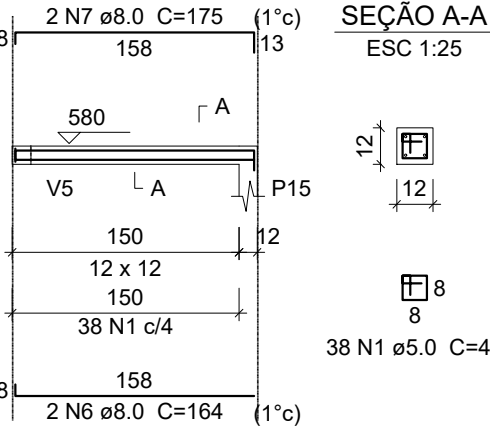
V1

ESC 1:50



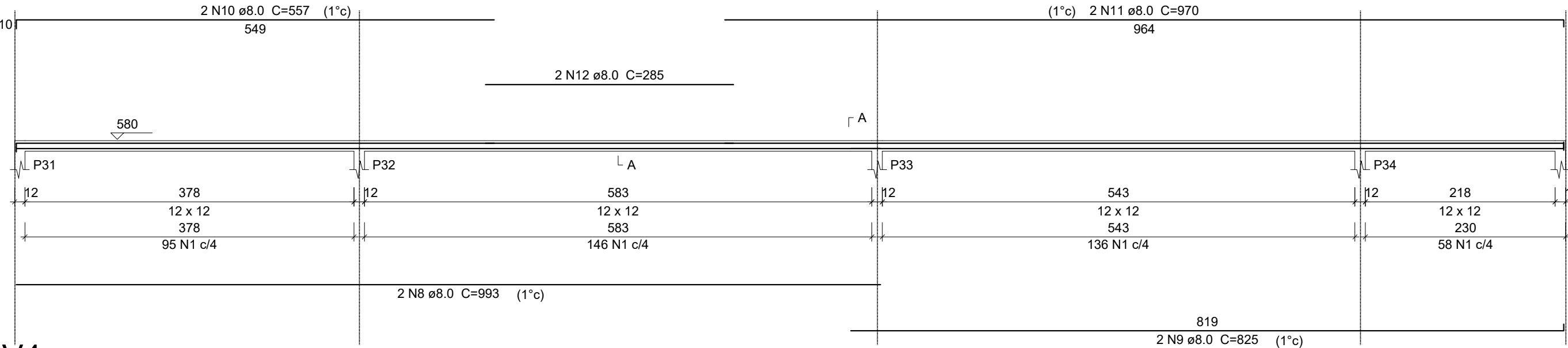
V2

ESC 1:50



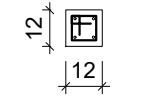
V3

ESC 1:50



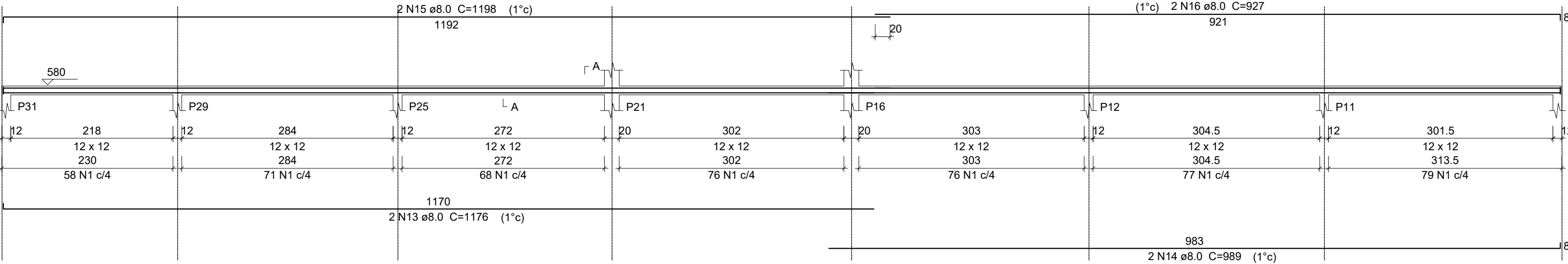
SEÇÃO A-A

ESC 1:25



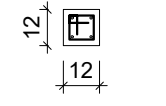
V4

ESC 1:50



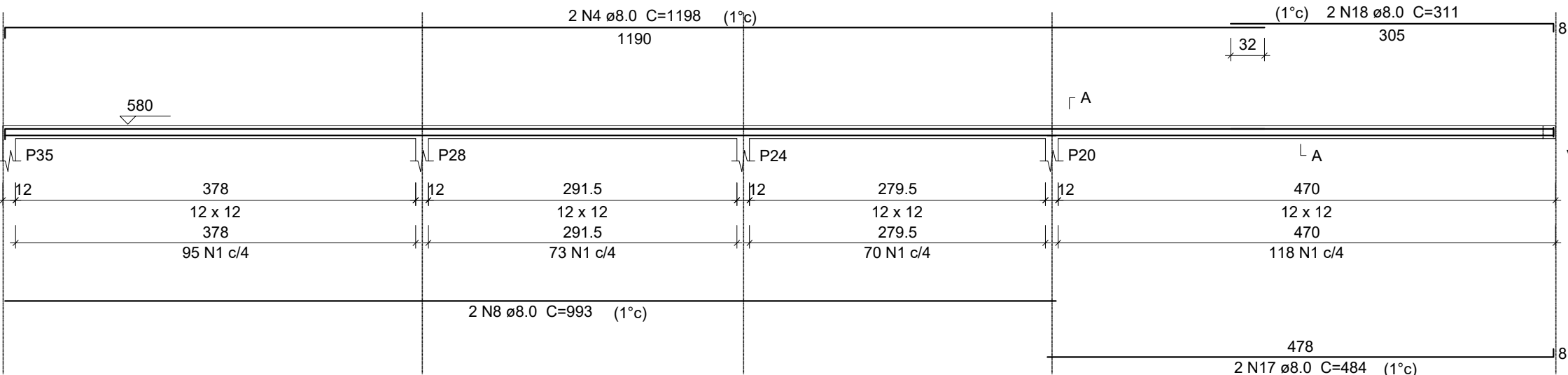
SEÇÃO A-A

ESC 1:25



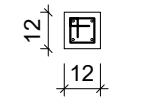
V5

ESC 1:50



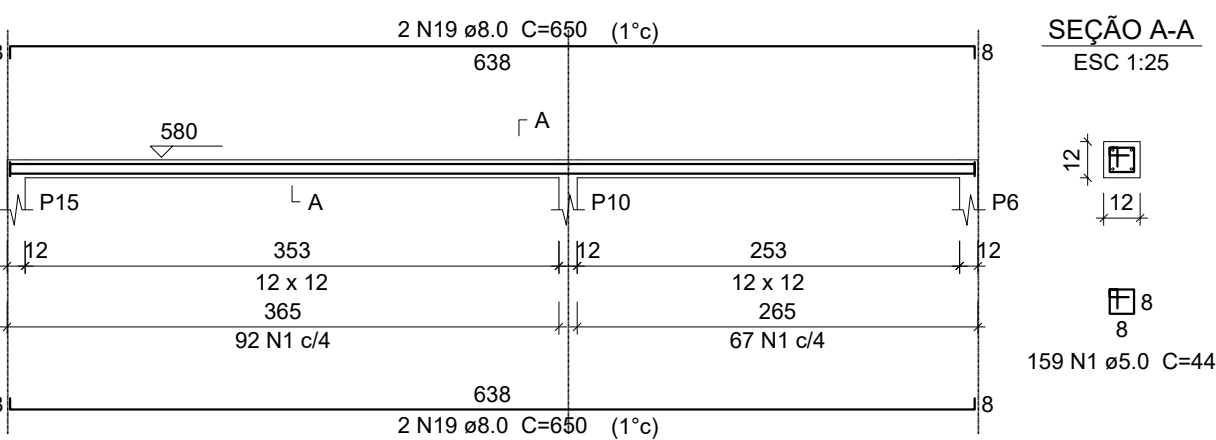
SEÇÃO A-A

ESC 1:25



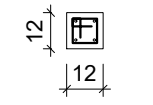
V6

ESC 1:50



SEÇÃO A-A

ESC 1:25



Relação do aço

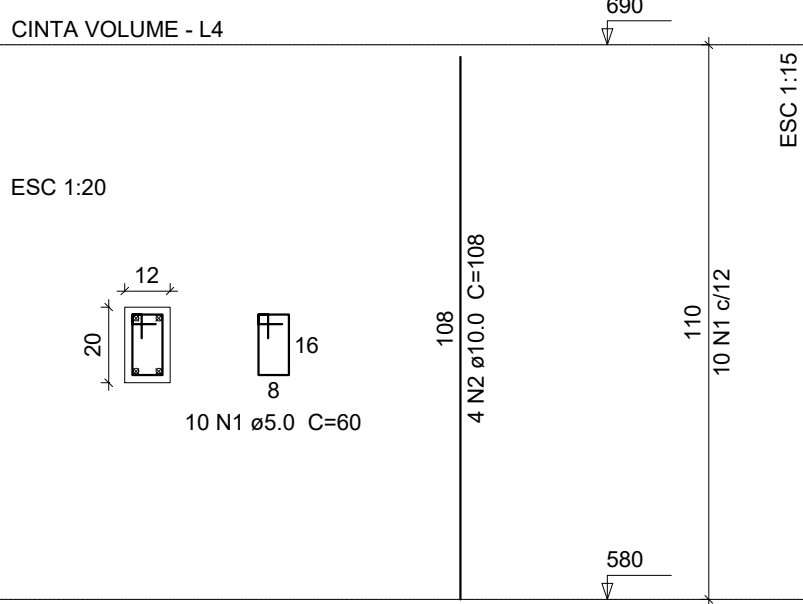
		V1 V4	V2 V5	V3 V6	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1961	44	86284
CA50	2	8.0	2	1019	2038
	3	8.0	2	943	1886
	4	8.0	4	1198	4792
	5	8.0	2	767	1534
	6	8.0	2	164	328
	7	8.0	2	175	350
	8	8.0	4	993	3972
	9	8.0	2	825	1650
	10	8.0	2	557	1114
	11	8.0	2	970	1940
	12	8.0	2	285	570
	13	8.0	2	1176	2352
	14	8.0	2	989	1978
	15	8.0	2	1198	2396
	16	8.0	2	927	1854
	17	8.0	2	484	968
	18	8.0	2	311	622
	19	8.0	4	650	2600

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	329.5	143
CA60	5.0	862.9	146.3
PESO TOTAL (kg)			
CA50		143	
CA60		146.3	

Volume de concreto (C-25) = 1.16 m³  
Área de forma = 29.1 m²

P16=P17=P21=P22



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	40	60	2400
CA50	2	10.0	16	108	1728

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	17.3	11.7
CA60	5.0	24	4.1
PESO TOTAL (kg)			
CA50		11.7	
CA60		4.1	

Volume de concreto (C-25) = 0.11 m³  
Área de forma = 2.82 m²

Relação do aço

		V1 V4	V2	V3	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	290	44	12760
CA50	2	8.0	4	293	1172
	3	8.0	4	313	1252
	4	8.0	4	338	1352
	5	8.0	2	354	708
	6	8.0	2	356	712

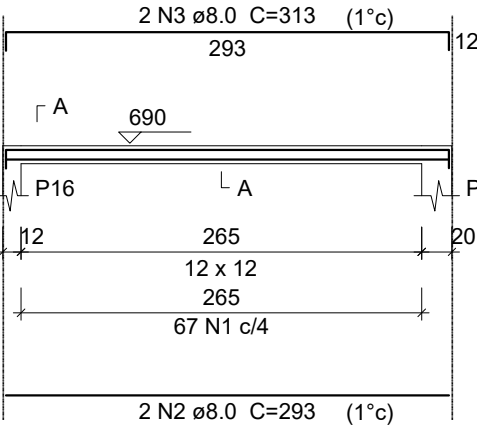
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	52	22.6
CA60	5.0	127.6	21.6
PESO TOTAL (kg)			
CA50		22.6	
CA60		21.6	

Volume de concreto (C-25) = 0.18 m³  
Área de forma = 4.6 m²

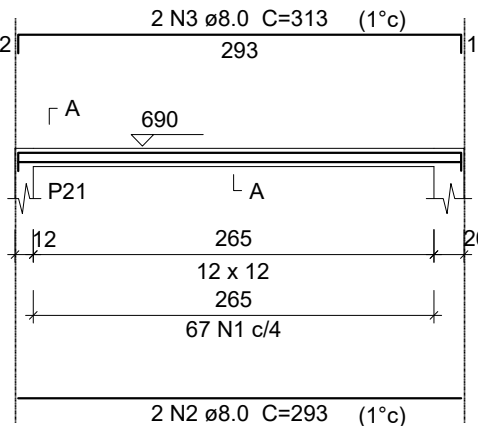
V1

ESC 1:50



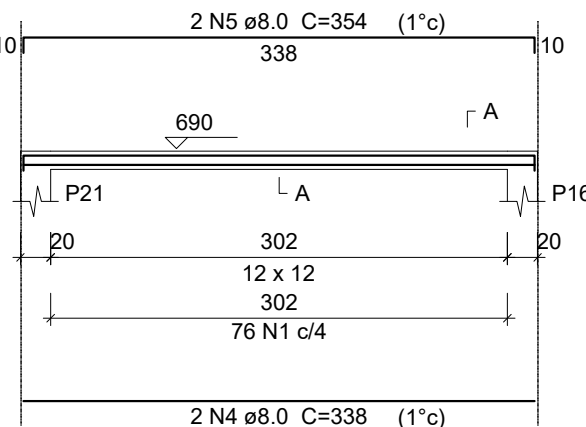
V2

ESC 1:50



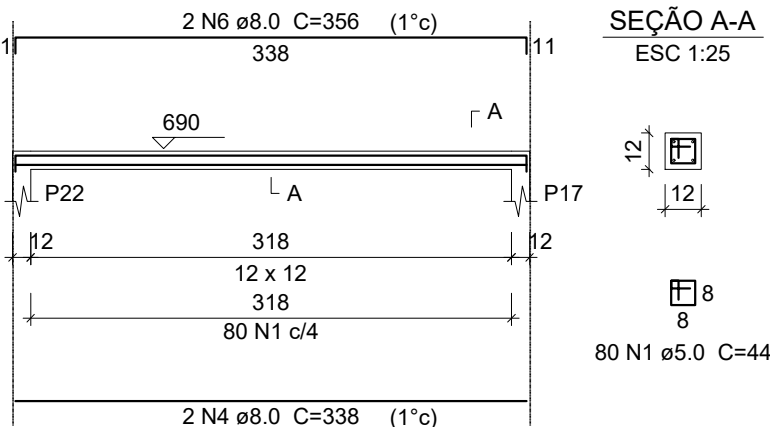
V3

ESC 1:50



V4

ESC 1:50



MUNICÍPIO DE RENASCENÇA - PR

RUA GETÚLIO VARGAS, 901 - FONE: (046) 3550-8300 - CEP: 85.610-000

ADMINISTRAÇÃO		RESP. TÉCNICO	PRANCHA
LESSIR CANARY BORTOLI		ENG. CIVIL JOÃO PAULO BASMAK BOESE	10/10
PREFEITO		CREA-PR 140760	PROJETO ESTRUTURAL
OBRAS		CENTRO DE DIST. DE MED. DE RENASCENÇA - PR	ÁREA 928.42 m²
ESPECIFICAÇÕES		DETELHAMENTO PILARES QUE SUSTENTAM PVTO. CINTA PLATIBANDA	DATA JANEIRO/2022
		DETELHAMENTO VIGAS CINTA PLATIBANDA	QUADRA 15
		DETELHAMENTO PILARES QUE SUSTENTAM PVTO. CINTA VOLUME	
		DETELHAMENTO VIGAS CINTA VOLUME	ESCALAS
LOCAL		RUA NEREU RAMOS	
MUNICÍPIO		RENASCENÇA	ESTADO PARANÁ
			ARQUIVO