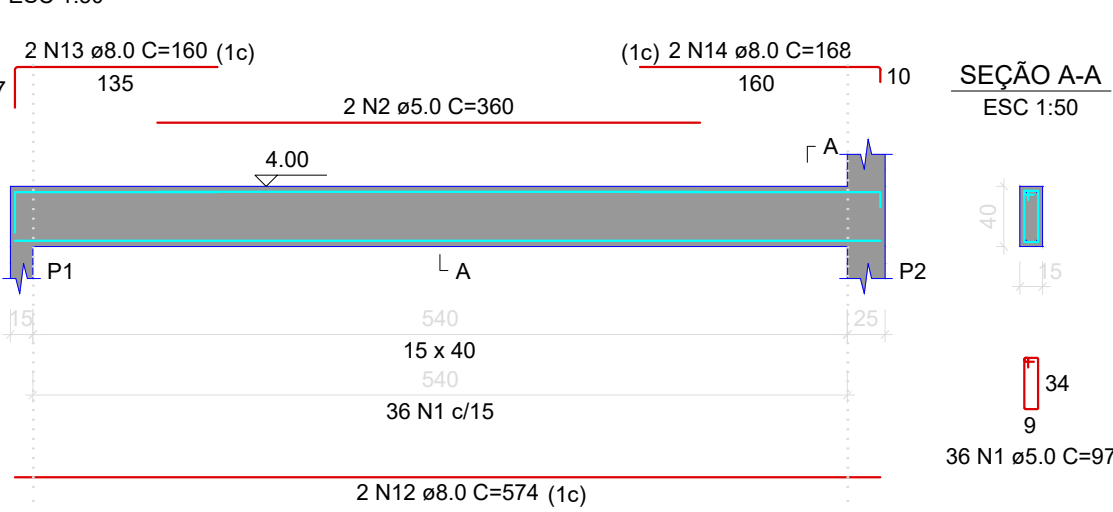
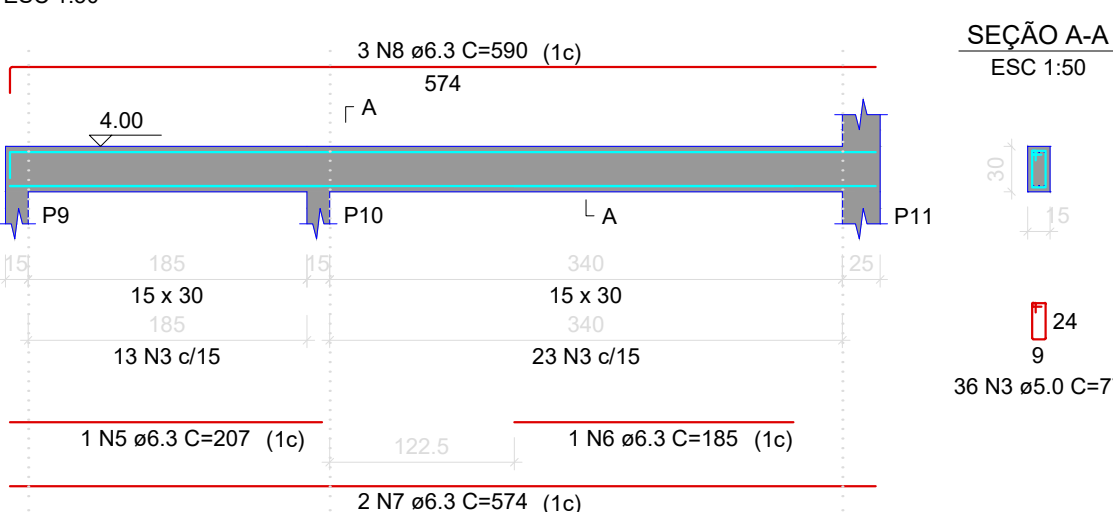


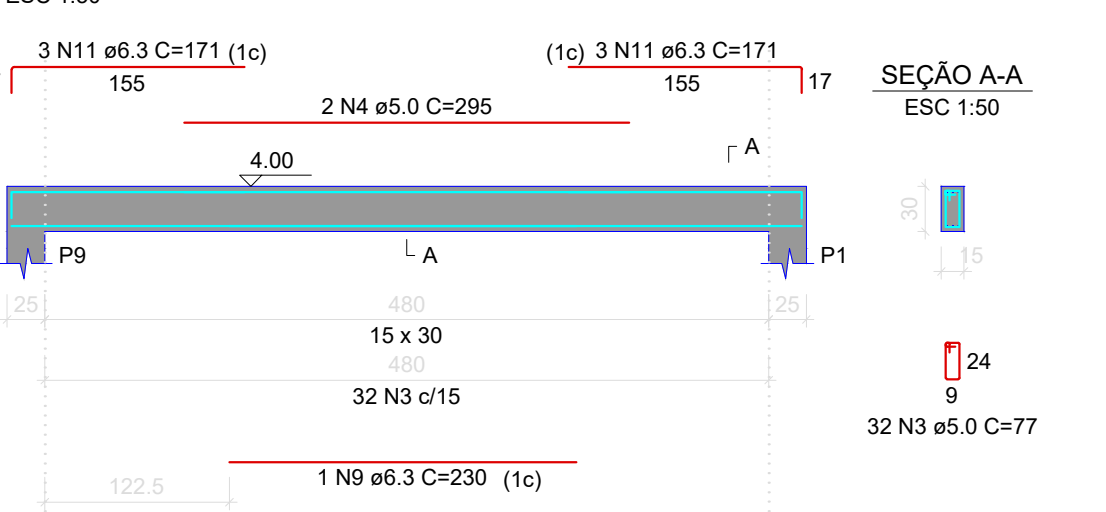
V1 (15 x 40)



V2 (15 x 30)



V3 (15 x 30)



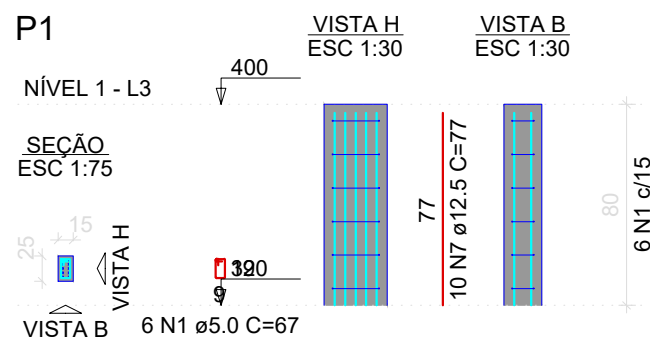
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	36	97	3492
CA50	2	5.0	2	360	720
	3	5.0	68	77	5236
	4	5.0	2	295	590
	5	6.3	1	207	207
	6	6.3	1	185	185
	7	6.3	2	574	1148
	8	6.3	3	590	1770
	9	6.3	1	230	230
	10	6.3	2	524	1048
	11	6.3	6	171	1026
	12	8.0	2	574	1148
	13	8.0	2	160	320
	14	8.0	2	168	336

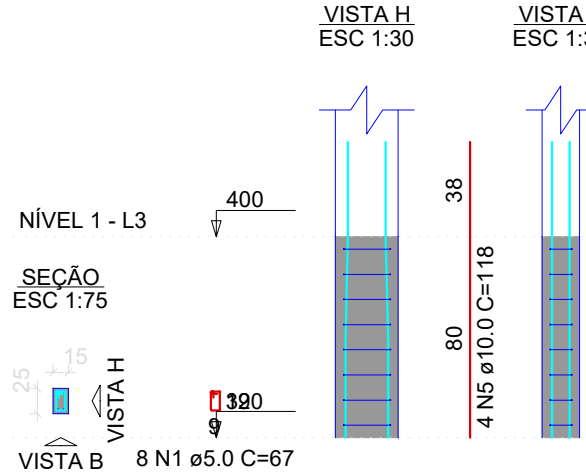
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	56.1	13.7
CA60	8.0	18	7.1
CA60	5.0	100.4	15.5
PESO TOTAL (kg)			
CA50		20.9	
CA60		15.5	

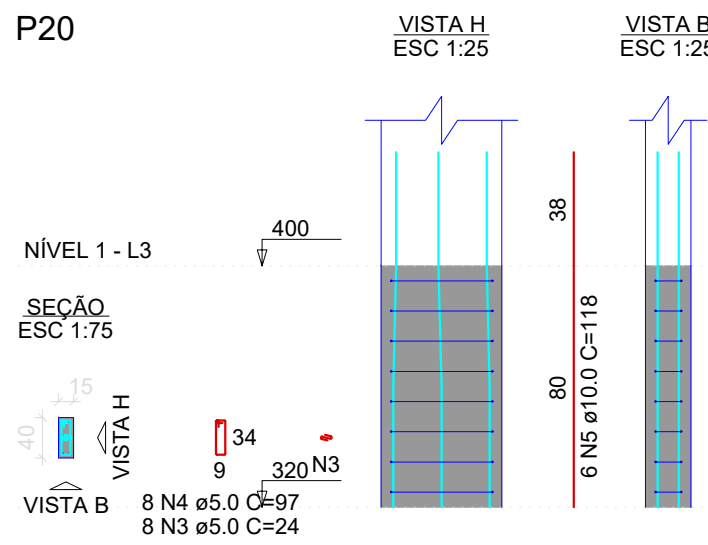
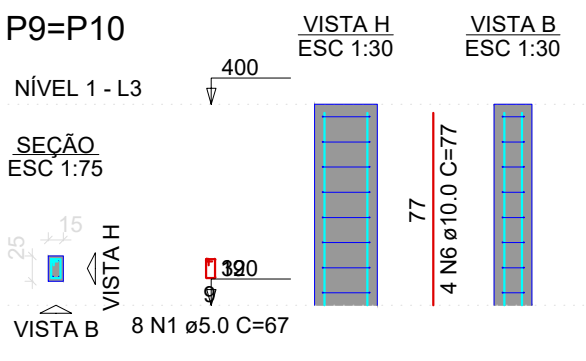
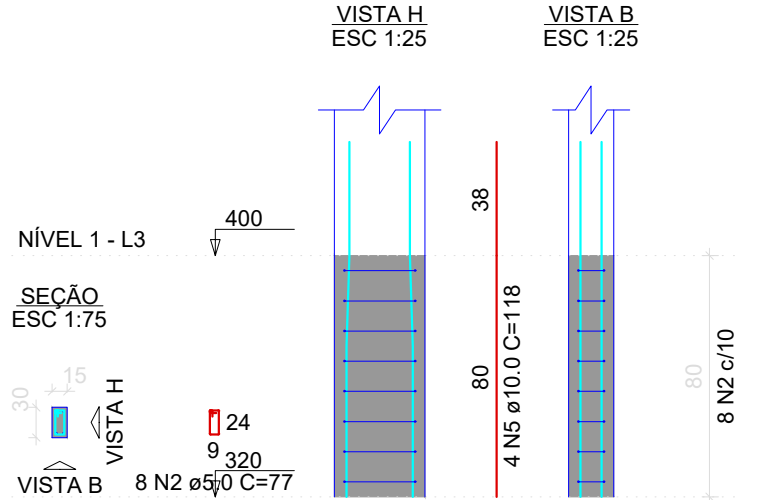
Volume de concreto (C-25) = 0.78 m³
Área de forma = 13.83 m²



P2=P5=P11=P28=P29=P30=
=P32=P33=P34=P35=P36=
=P37=P38



P3=P4=P8=P13=P15=P17=
=P18=P21=P22=P24=P25=
=P27



RELAÇÃO DO AÇO

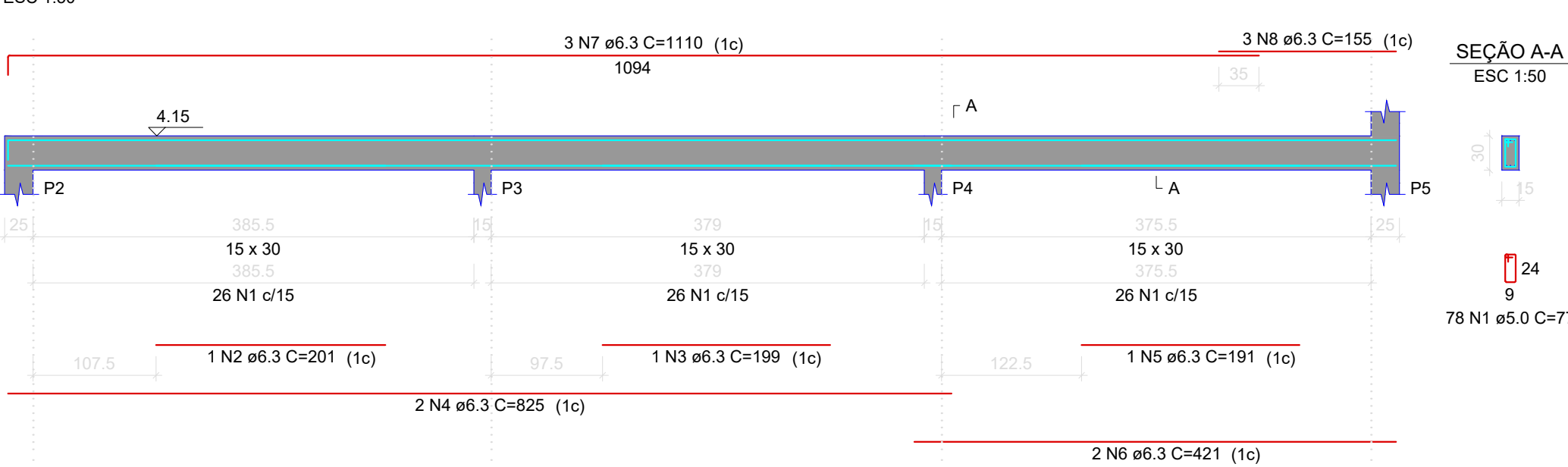
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	126	67	8442
	2	5.0	96	77	7392
	3	5.0	8	24	192
	4	5.0	8	97	776
CA50	5	10.0	106	118	12508
	6	10.0	8	77	616
	7	12.5	10	77	770

RESUMO DO AÇO

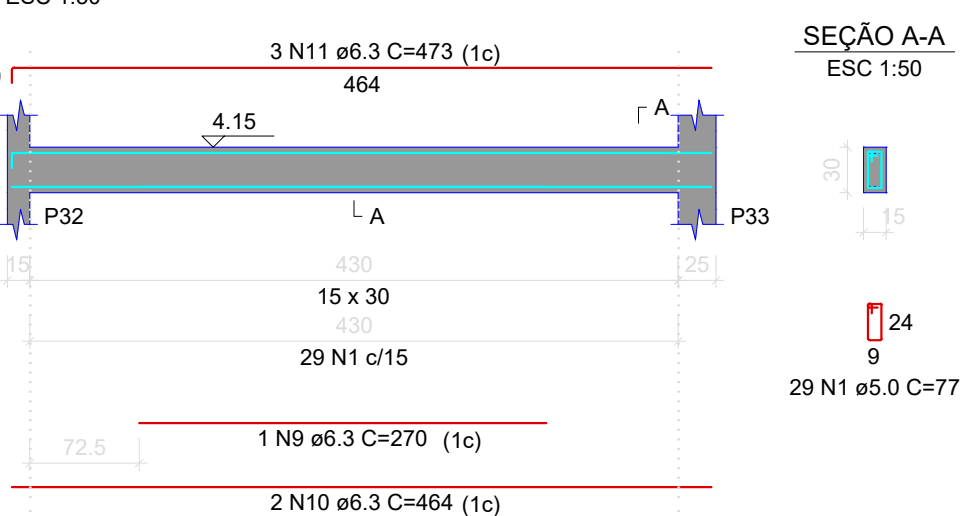
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	131.2	80.9
CA60	12.5	7.7	7.4
CA60	5.0	168	25.9
PESO TOTAL (kg)			
CA50		88.3	
CA60		25.9	

Volume de concreto (C-25) = 0.96 m³
Área de forma = 19.76 m²

V1 (15 x 30)



V2 (15 x 30)



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	107	77	8239
CA50	2	6.3	1	201	201
	3	6.3	1	199	199
	4	6.3	2	825	1650
	5	6.3	1	191	191
	6	6.3	2	421	842
	7	6.3	3	1110	3330
	8	6.3	3	155	465
	9	6.3	1	270	270
	10	6.3	2	464	928
	11	6.3	3	473	1419

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	95	23.2
CA60	5.0	82.4	12.7
PESO TOTAL (kg)			
CA50		23.2	
CA60		12.7	

Volume de concreto (C-25) = 0.71 m³
Área de forma = 12.68 m²

APROVAÇÃO:

OBRA COMERCIAL CAMARA MUNICIPAL DE PARANATINGA

ENDEREÇO: RUA F, LT 10, QD 50, NÚCLEO URBANO PARCIAL 2ª FASE, PARANATINGA-MT



PROJETO ESTRUTURAL

PROPRIETÁRIO: MUNICÍPIO DE PARANATINGA
CNPJ: 15.023.971/0001-24

PROJETISTA: TAINARA DELA JUSTINA
CREA/MT 038112

TÍTULO DO PROJETO / PAVIMENTO / ÁREA

DETALH. PILARES E VIGAS DO PAV. NÍVEL 1 E VIGAS NÍVEL 2

DATA: 07/22
ESCALA: INDICADAS
PROJ. REVISÃO: 00
FOLHA: 11/13

EST00