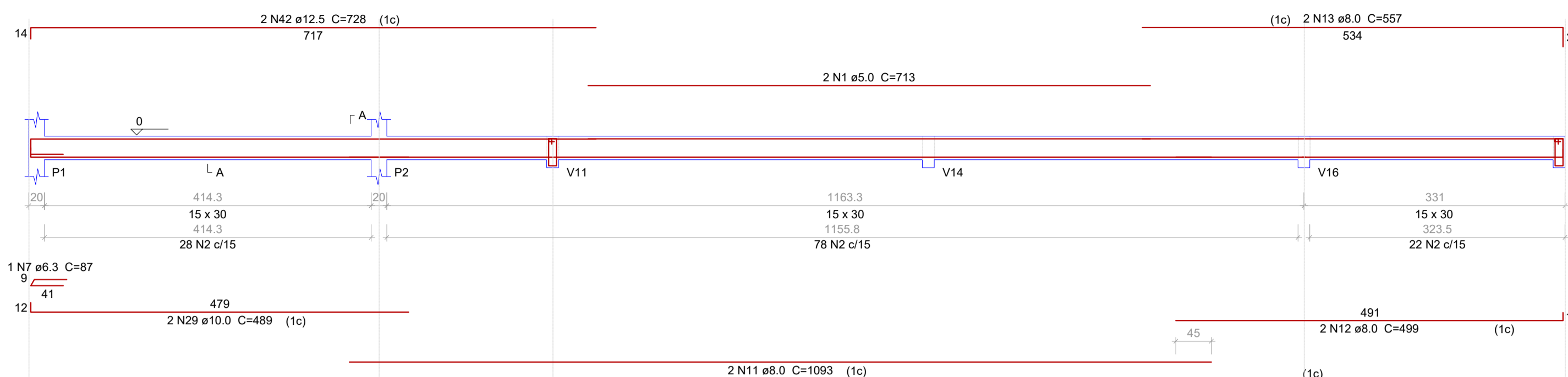
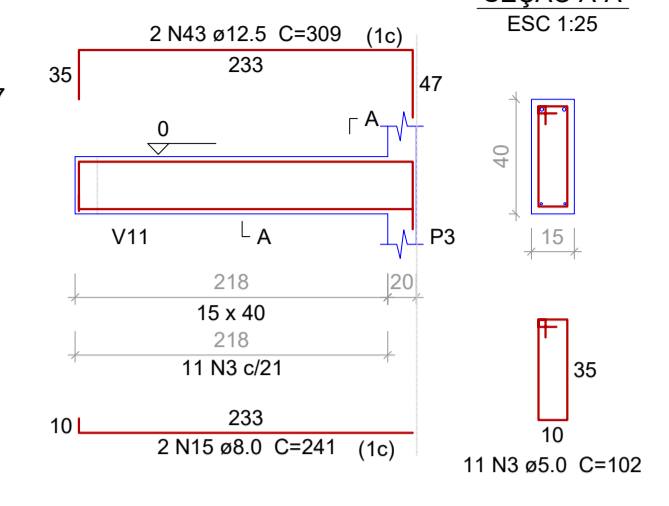


V1
ESC 1:50



V2
ESC 1:50



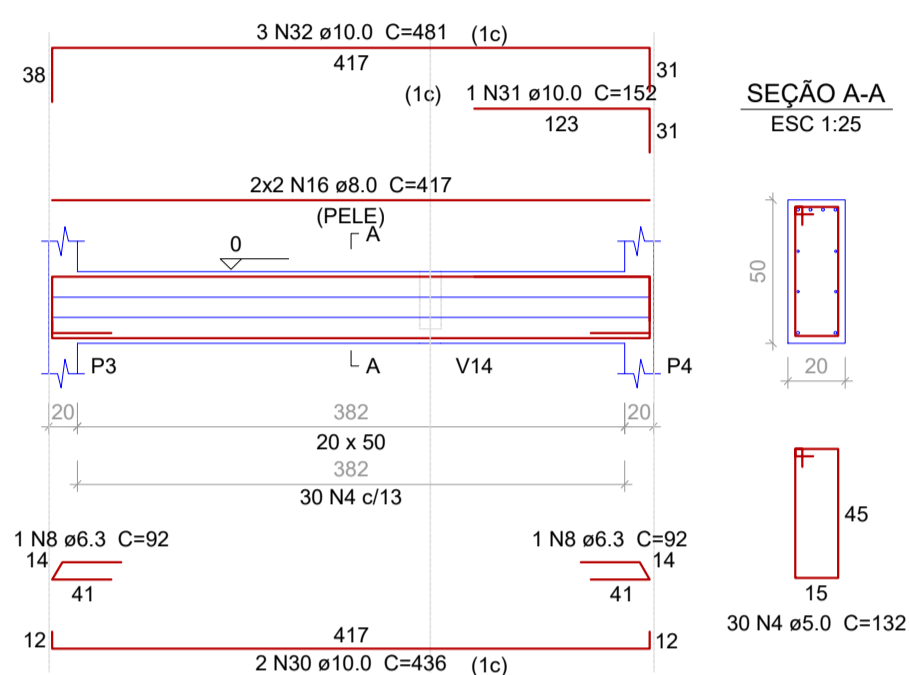
SEÇÃO A-A
ESC 1:25

SUSPENSÃO V11
ESC 1:25

SUSPENSÃO V17
ESC 1:25

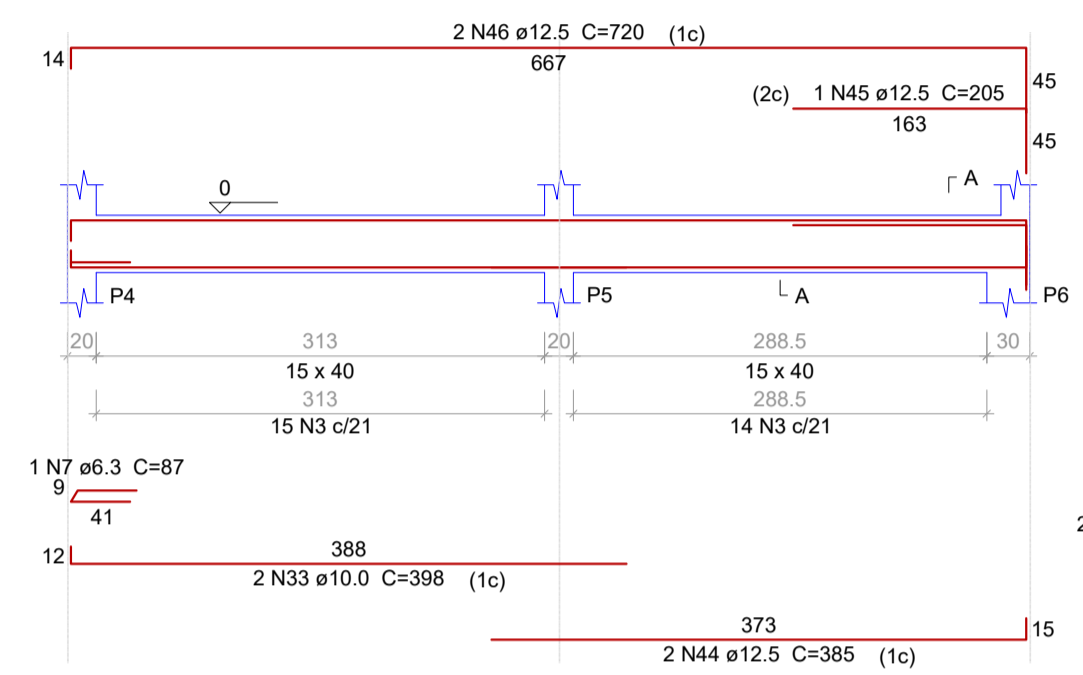
SEÇÃO A-A
ESC 1:25

V3
ESC 1:50



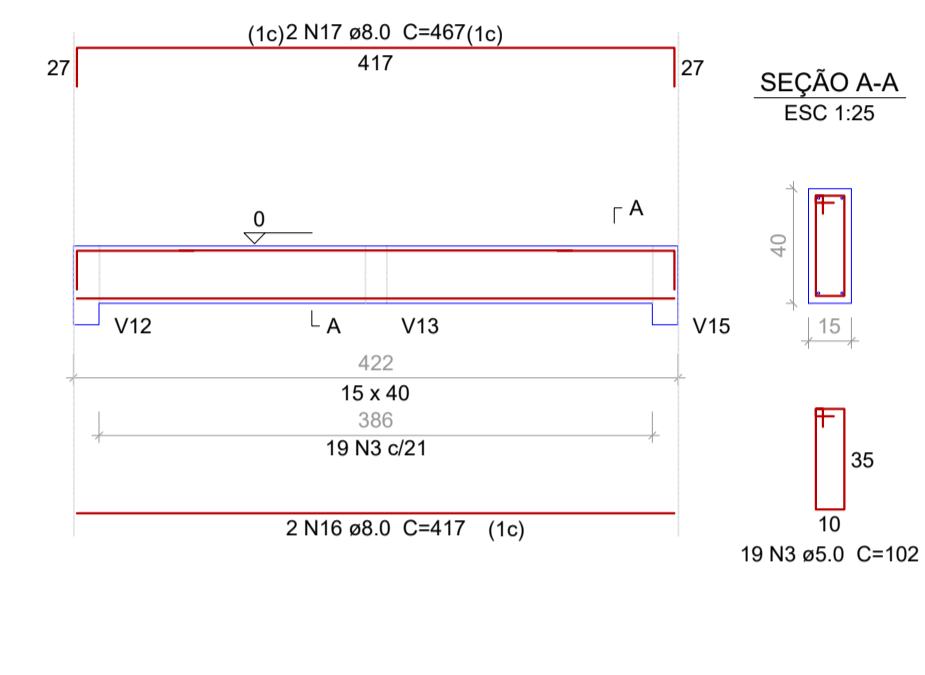
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50



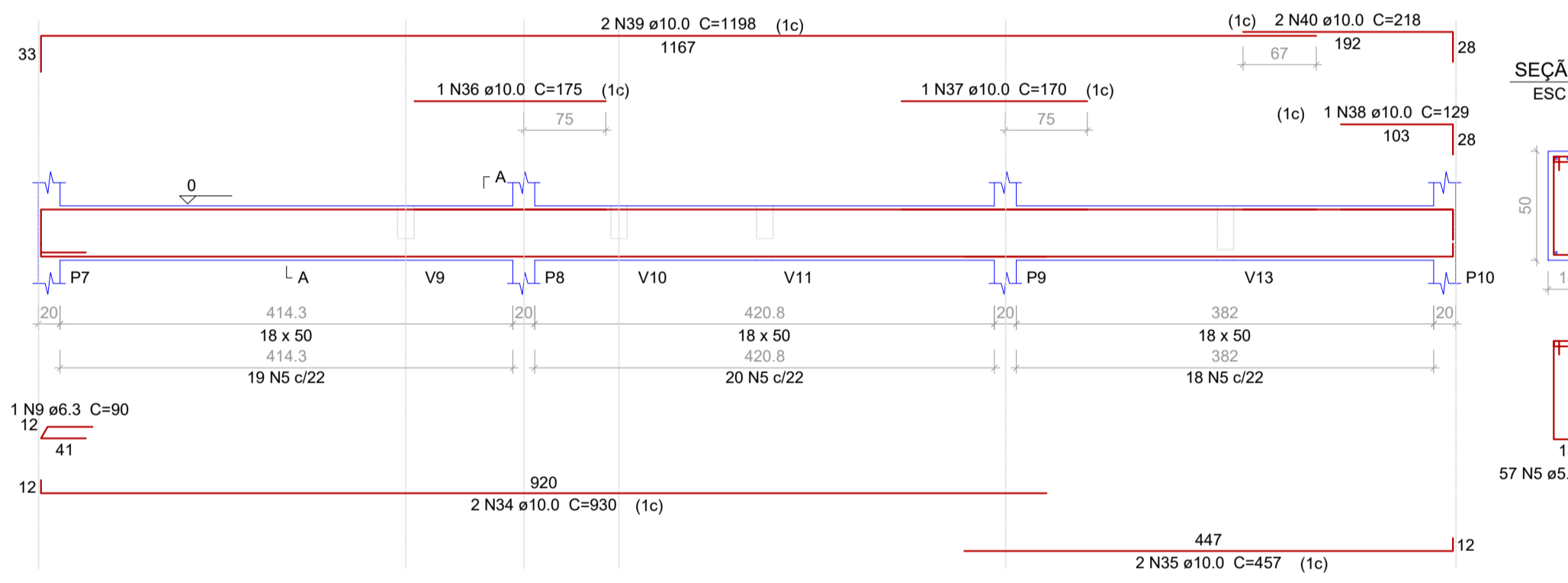
SEÇÃO A-A
ESC 1:25

V5
ESC 1:50



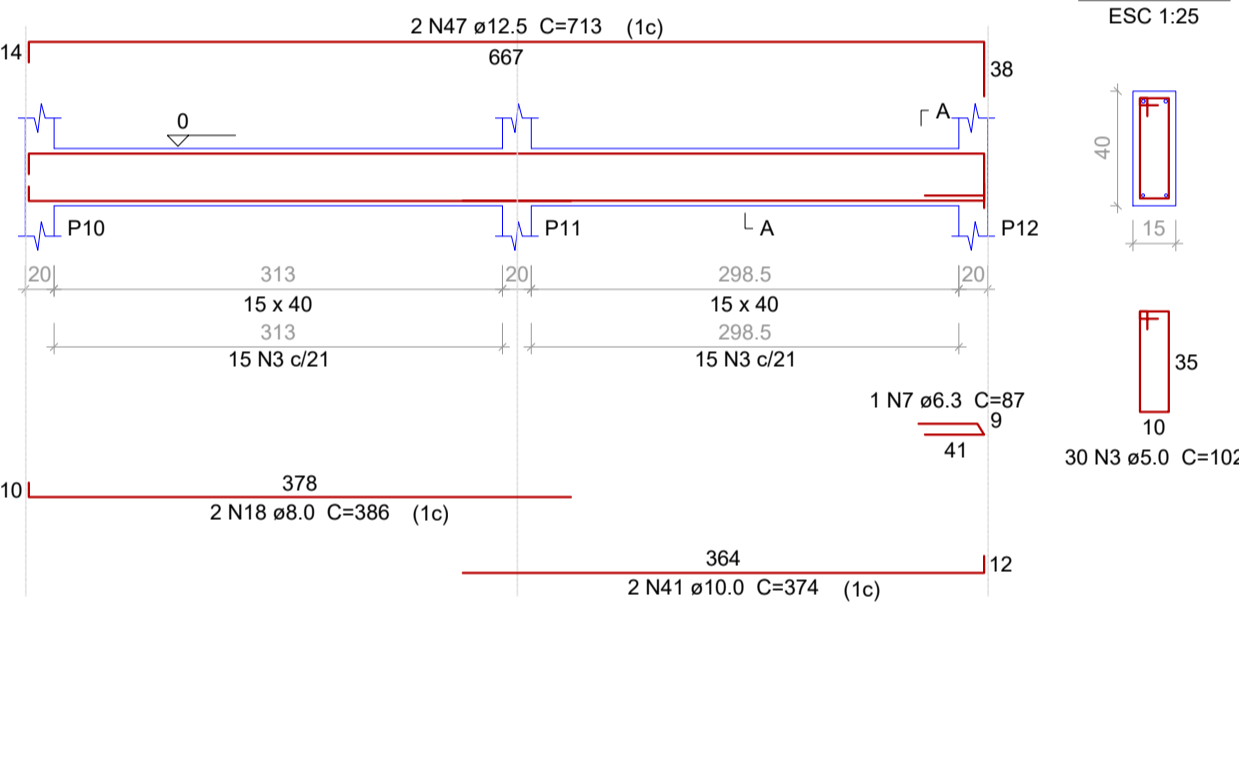
SEÇÃO A-A
ESC 1:25

V6
ESC 1:50



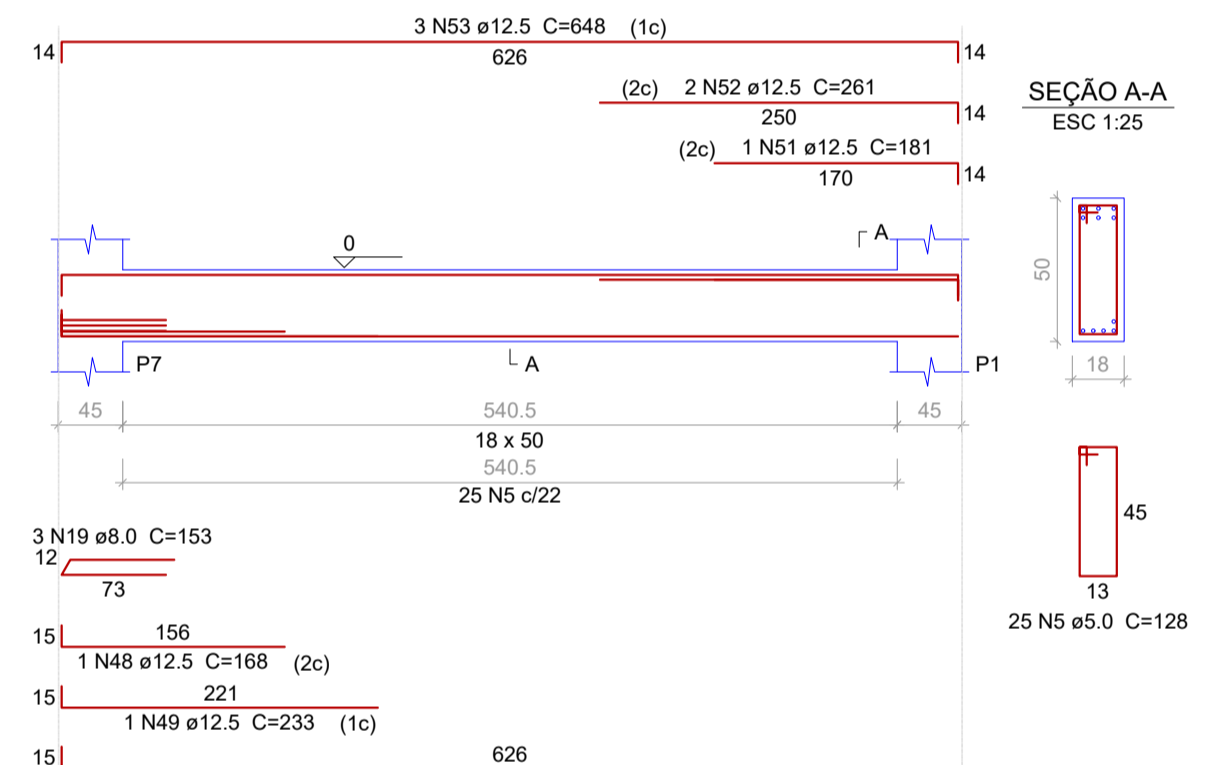
SEÇÃO A-A
ESC 1:25

V7
ESC 1:50



SEÇÃO A-A
ESC 1:25

V8
ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

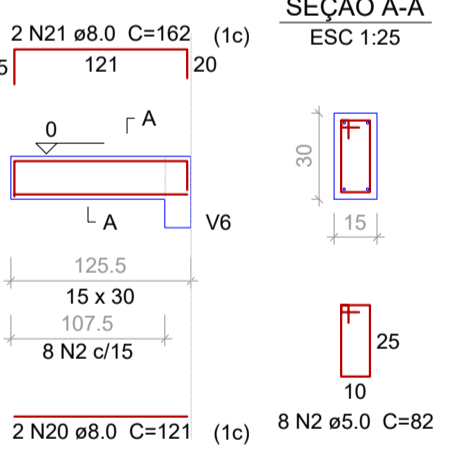
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	713	1426
	2	5.0	152	82	12464
	3	5.0	140	102	14280
	4	5.0	30	132	3960
	5	5.0	82	128	10496
	6	5.0	17	138	2346
	7	6.3	3	87	261
	8	6.3	2	92	184
	9	6.3	1	90	90
	10	6.3	6	130	780
CA50	11	8.0	2	1093	2186
	12	8.0	2	499	998
	13	8.0	2	557	1114
	14	8.0	2	102	204
	15	8.0	2	241	482
	16	8.0	6	417	2502
	17	8.0	2	467	934
	18	8.0	2	386	772
	19	8.0	3	153	459
	20	8.0	4	121	484
	21	8.0	4	162	648
	22	8.0	2	115	230
	23	8.0	2	634	1268
	24	8.0	2	781	1562
	25	8.0	2	288	576
	26	8.0	2	322	644
	27	8.0	2	207	414
	28	8.0	2	257	514
	29	10.0	2	489	978
	30	10.0	2	436	872
31	10.0	1	152	152	
32	10.0	3	481	1443	
33	10.0	2	398	796	
34	10.0	2	930	1860	
35	10.0	2	457	914	
36	10.0	1	175	175	
37	10.0	1	170	170	
38	10.0	1	129	129	
39	10.0	2	1198	2396	
40	10.0	2	218	436	
41	10.0	2	374	748	
42	12.5	2	728	1456	
43	12.5	2	309	618	
44	12.5	2	385	770	
45	12.5	1	205	205	
46	12.5	2	720	1440	
47	12.5	2	713	1426	
48	12.5	1	168	168	
49	12.5	1	233	233	
50	12.5	3	638	1914	
51	12.5	1	181	181	
52	12.5	2	281	562	
53	12.5	3	648	1944	
54	12.5	1	157	157	
55	12.5	3	466	1398	
56	12.5	1	189	189	
57	12.5	1	184	184	
58	12.5	1	245	245	
59	12.5	1	249	249	
60	12.5	2	464	928	

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	13.2	3.5
	8.0	160	69.4
	10.0	110.7	75.1
	12.5	142.3	150.8
CA60	5.0	449.8	76.2
PESO TOTAL			
CA50		298.8	
CA60		76.2	

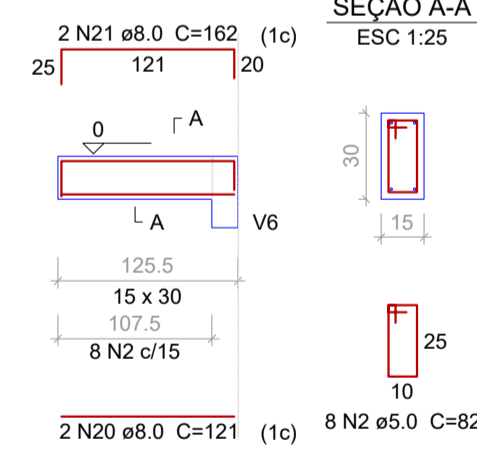
Vol. de concreto total (C-25) = 5.5 m³
Área de forma total = 80.4 m²

V9
ESC 1:50



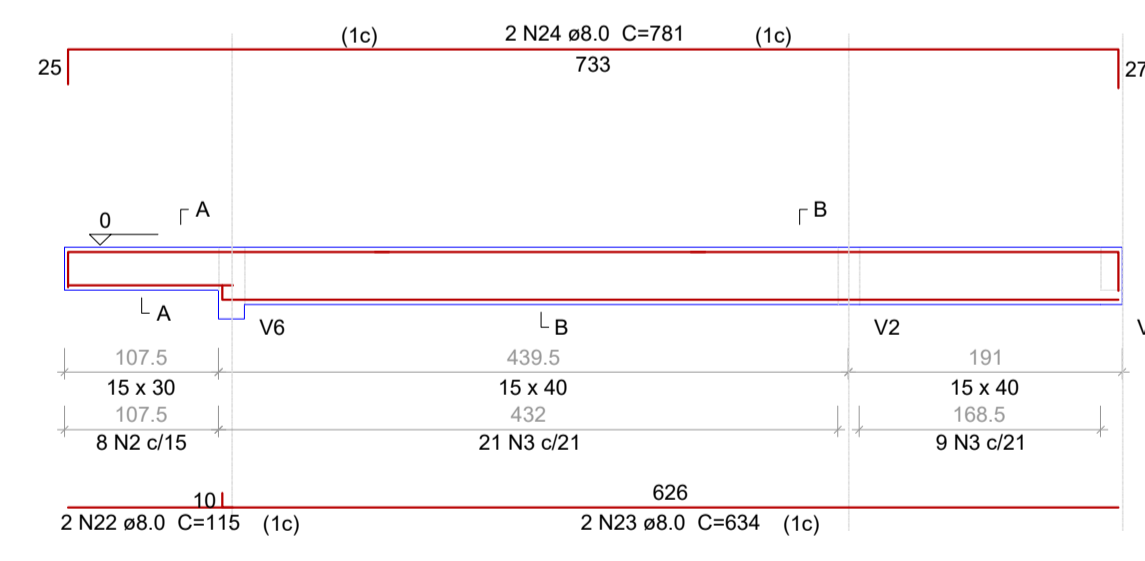
SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



SEÇÃO A-A
ESC 1:25

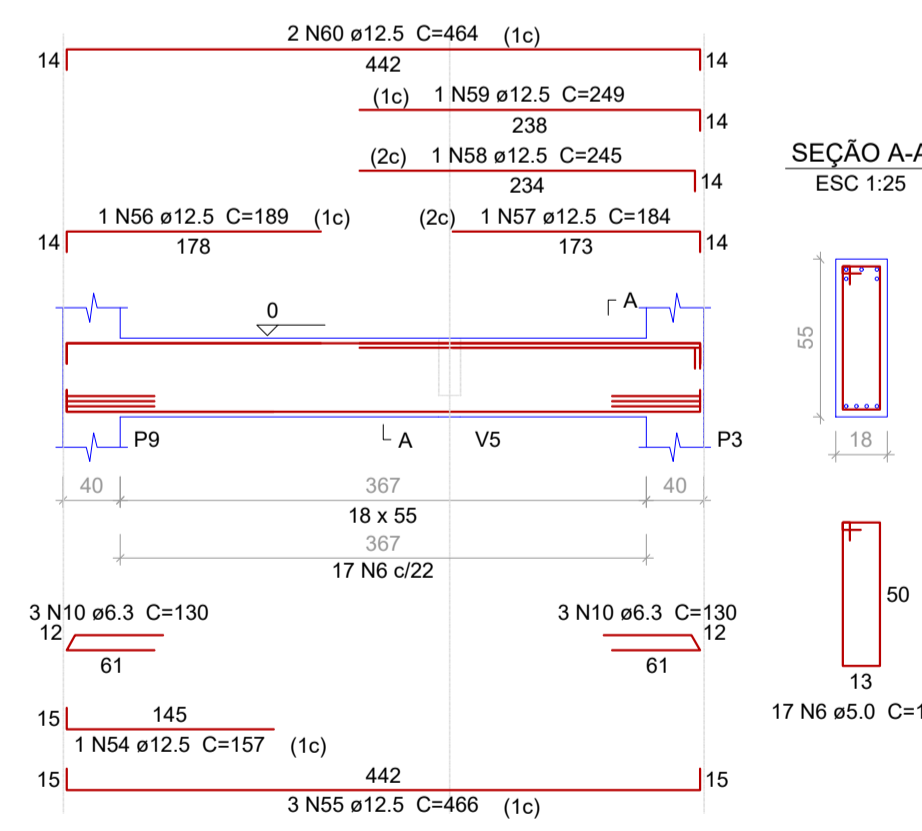
V11
ESC 1:50



SEÇÃO A-A
ESC 1:25

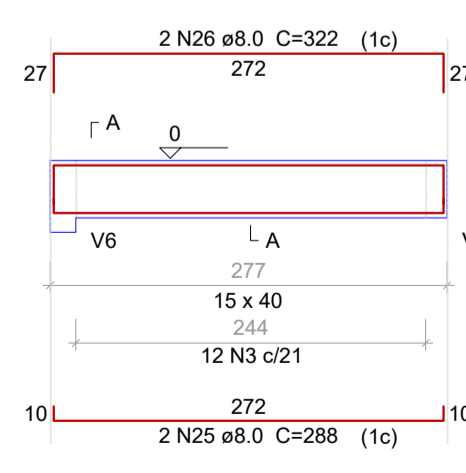
SEÇÃO B-B
ESC 1:25

V12
ESC 1:50



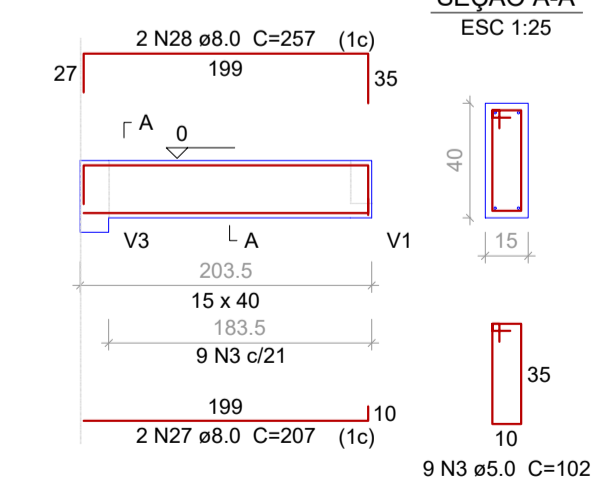
SEÇÃO A-A
ESC 1:25

V13
ESC 1:50



SEÇÃO A-A
ESC 1:25

V14
ESC 1:50



SEÇÃO A-A
ESC 1:25

Aprovações:

João Eduardo Della Justina
PREFEITO

Thiago Rocha Karnopp
RESPONSÁVEL TÉCNICO

PREFEITURA MUNICIPAL DE BOCAINA DO SUL

PROJETO ESTRUTURA DE AMPLIAÇÃO PARA UBS

VIGAS BALDRAME - VB1



PREFEITO João Eduardo Della Justina	DATA 30/11/2022	ESCALAS Indicadas
RESPONSÁVEL TÉCNICO Eng. Thiago Rocha Karnopp	CREA/SC n° 163030-6	PRANCHA 04/15