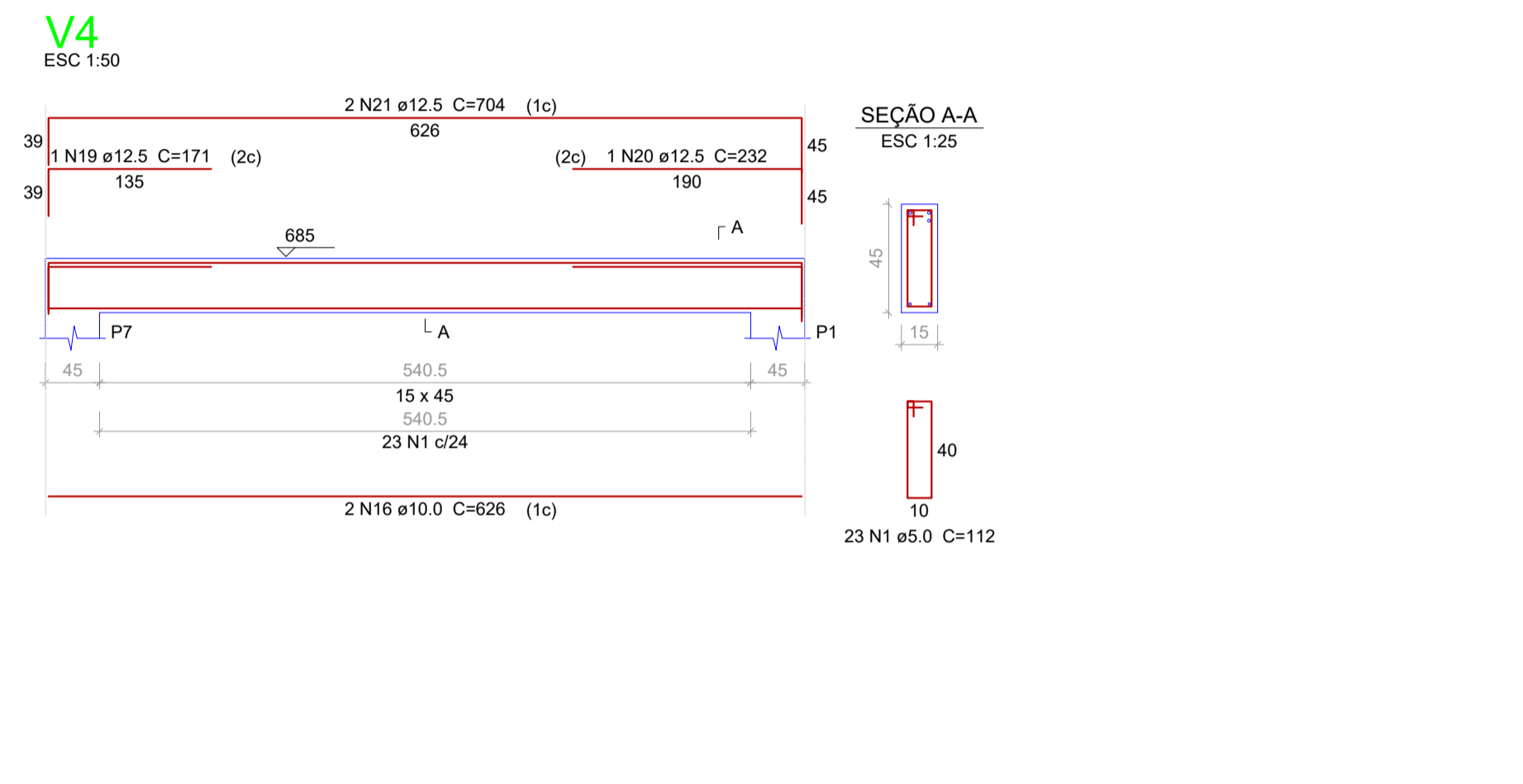
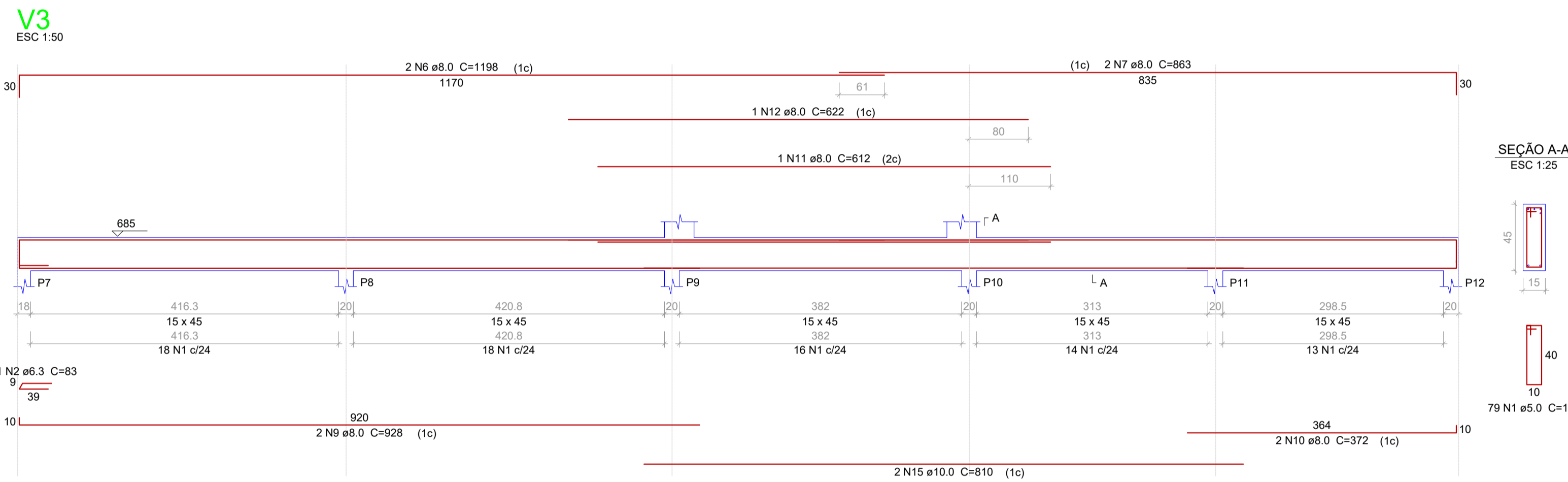


Relação do aço

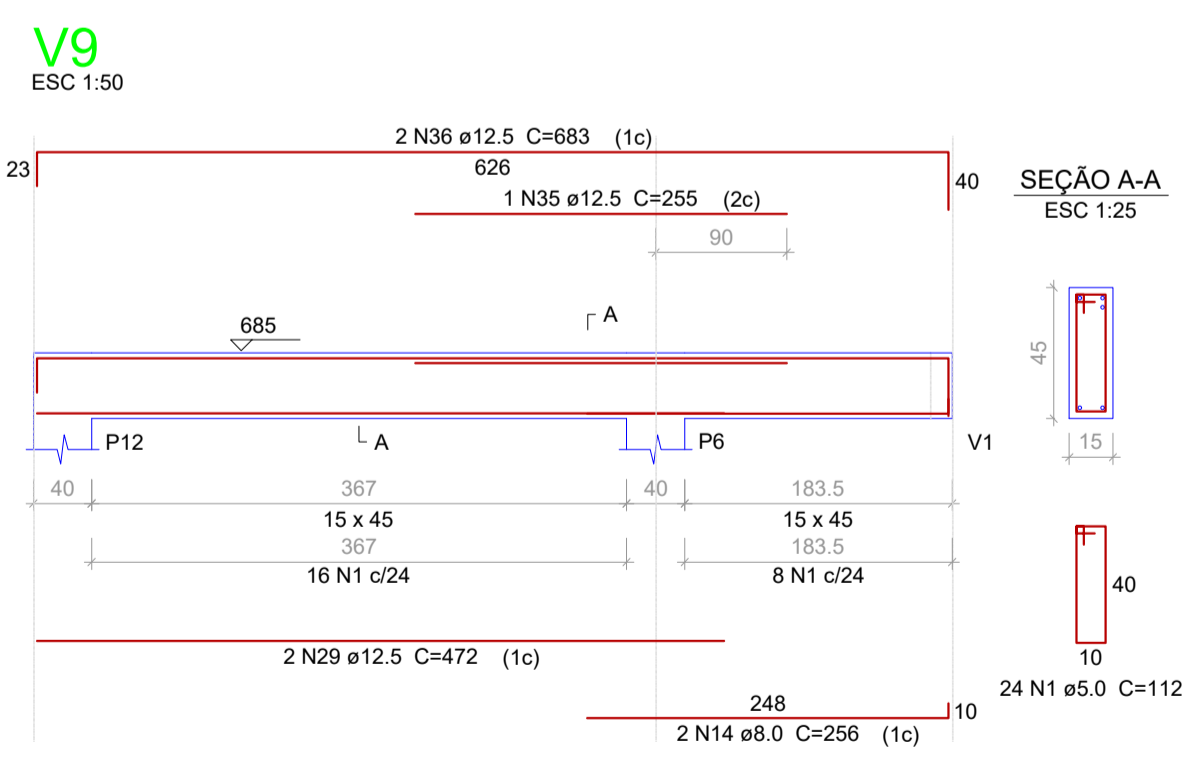
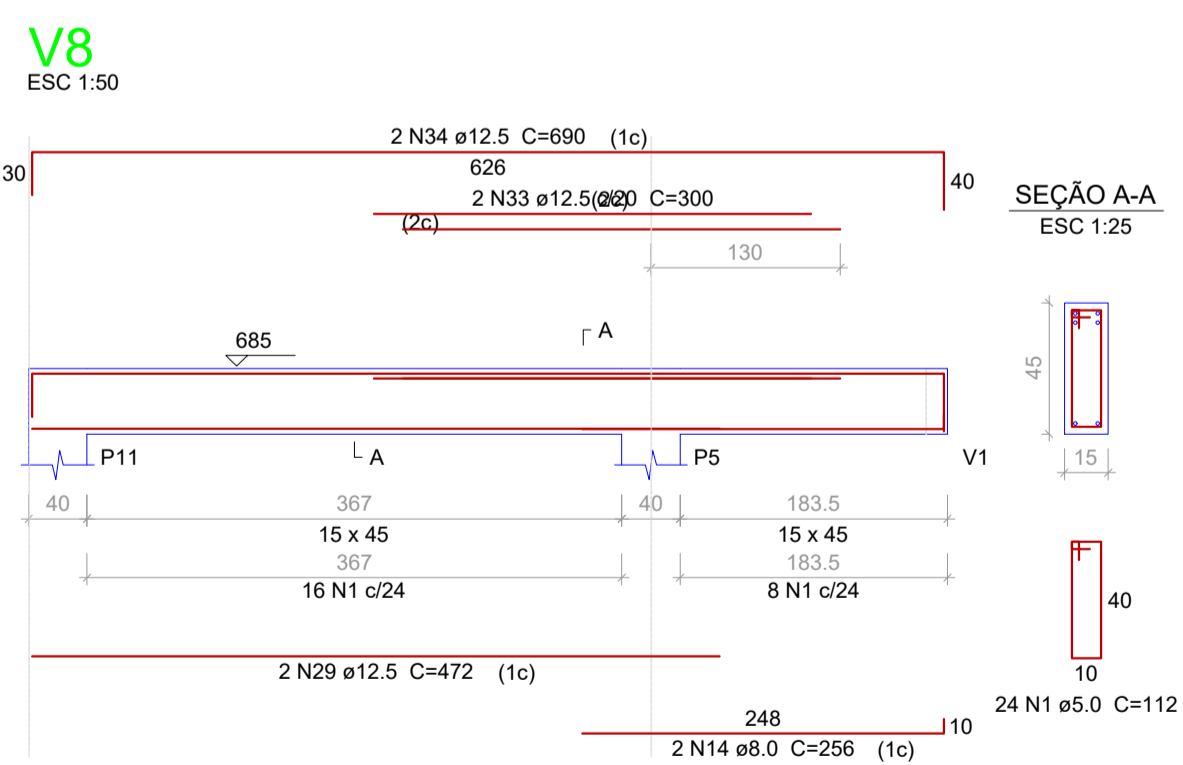
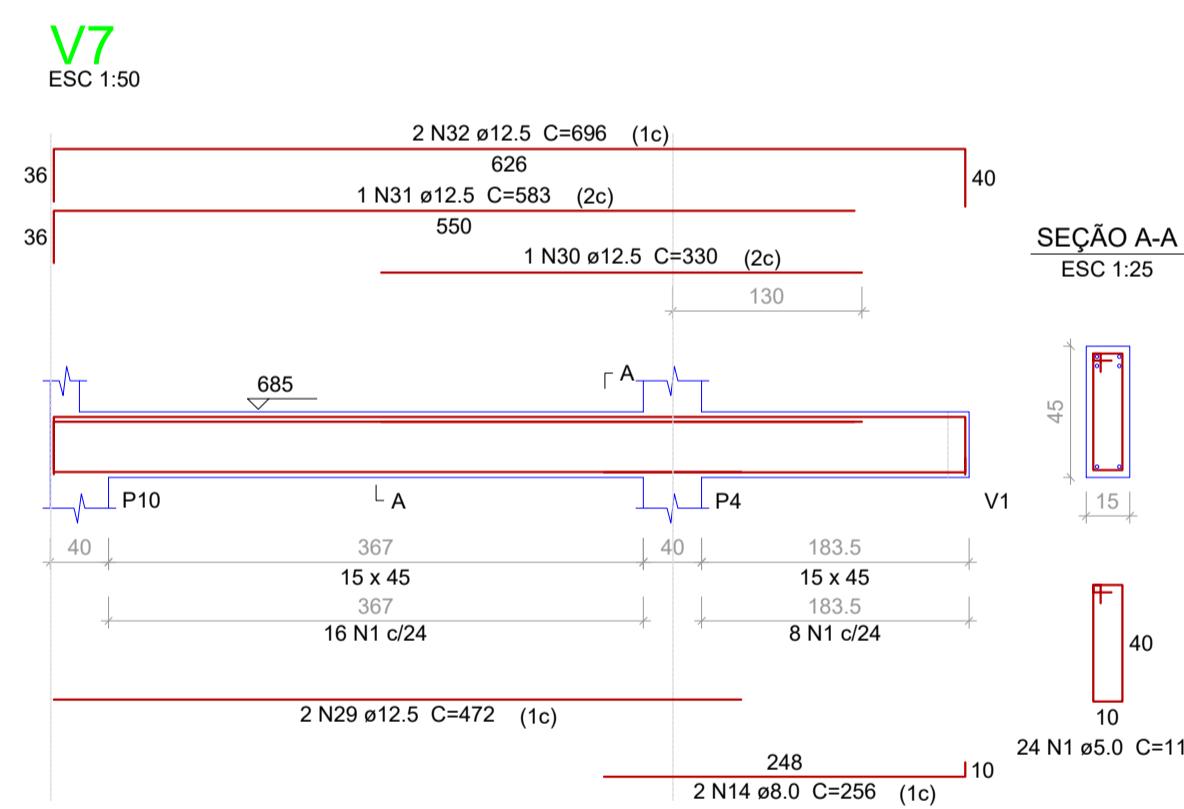
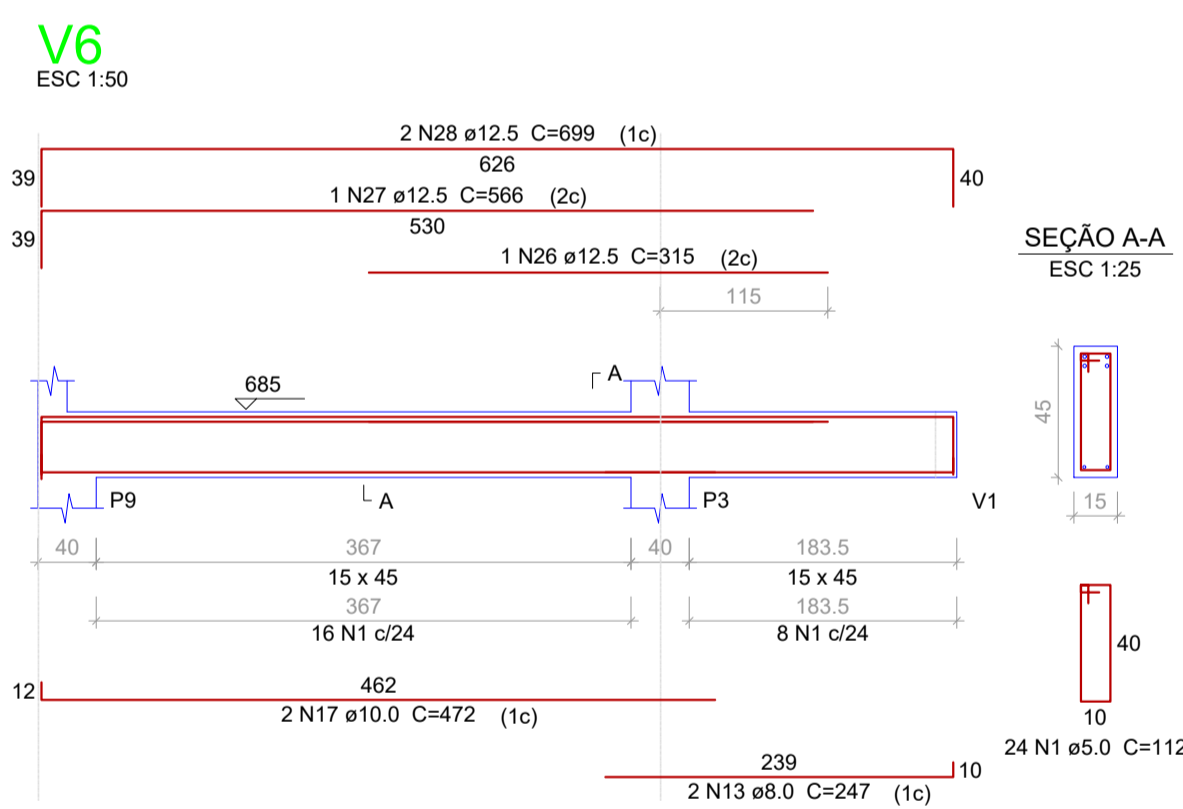
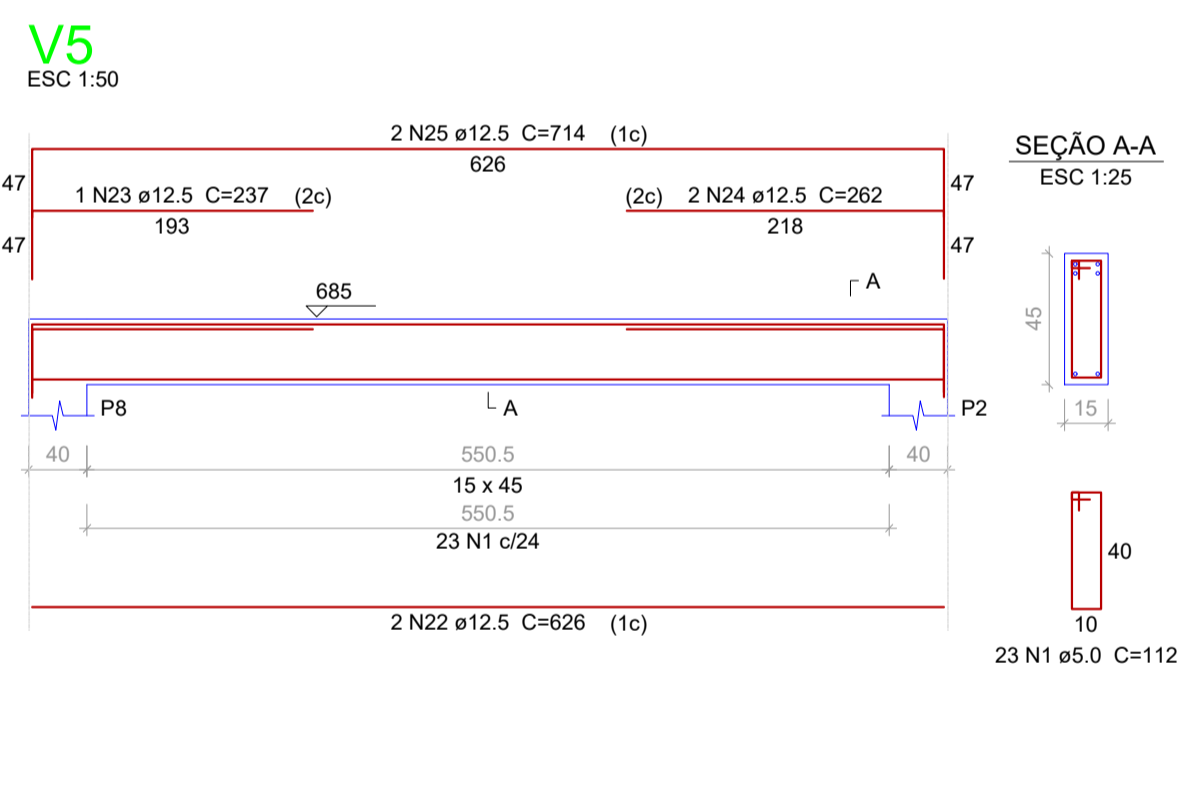
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	344	112	38528
CA50	2	6.3	2	83	166
	3	8.0	2	918	1836
	4	8.0	2	1066	2132
	5	8.0	2	240	480
	6	8.0	4	1198	4792
	7	8.0	4	863	3452
	8	8.0	2	1085	2170
	9	8.0	2	928	1856
	10	8.0	2	372	744
	11	8.0	1	612	612
	12	8.0	1	622	622
	13	8.0	2	247	494
	14	8.0	6	256	1536
	15	10.0	2	810	1620
	16	10.0	2	626	1252
	17	10.0	2	472	944
	18	12.5	2	1123	2246
	19	12.5	1	171	171
	20	12.5	1	232	232
	21	12.5	2	704	1408
	22	12.5	2	626	1252
	23	12.5	1	237	237
	24	12.5	2	282	564
	25	12.5	2	714	1428
	26	12.5	1	315	315
	27	12.5	1	566	566
	28	12.5	2	699	1398
	29	12.5	6	472	2832
	30	12.5	1	330	330
	31	12.5	1	583	583
	32	12.5	2	696	1392
	33	12.5	2	300	600
	34	12.5	2	690	1380
	35	12.5	1	255	255
	36	12.5	2	683	1366



Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	1.7	0.4
	8.0	207.3	90
	10.0	38.2	25.9
	12.5	185.2	198.2
CA60	5.0	385.3	65.3
PESO TOTAL			
CA50		312.5	
CA60		65.3	

Vol. de concreto total (C-25) = 5.91 m³
Área de forma total = 91.91 m²



Aprovações:

João Eduardo Della Justina
PREFEITO

Thiago Rocha Karnopp
RESPONSÁVEL TÉCNICO

PREFEITURA MUNICIPAL DE BOCAINA DO SUL

PROJETO ESTRUTURA DE AMPLIAÇÃO PARA UBS

VIGAS DA COBERTURA



PREFEITO João Eduardo Della Justina	DATA 30/11/2022	ESCALAS Indicadas
RESPONSÁVEL TÉCNICO Eng. Thiago Rocha Karnopp	CREA/SC n° 163030-6	PRANCHA 10/15