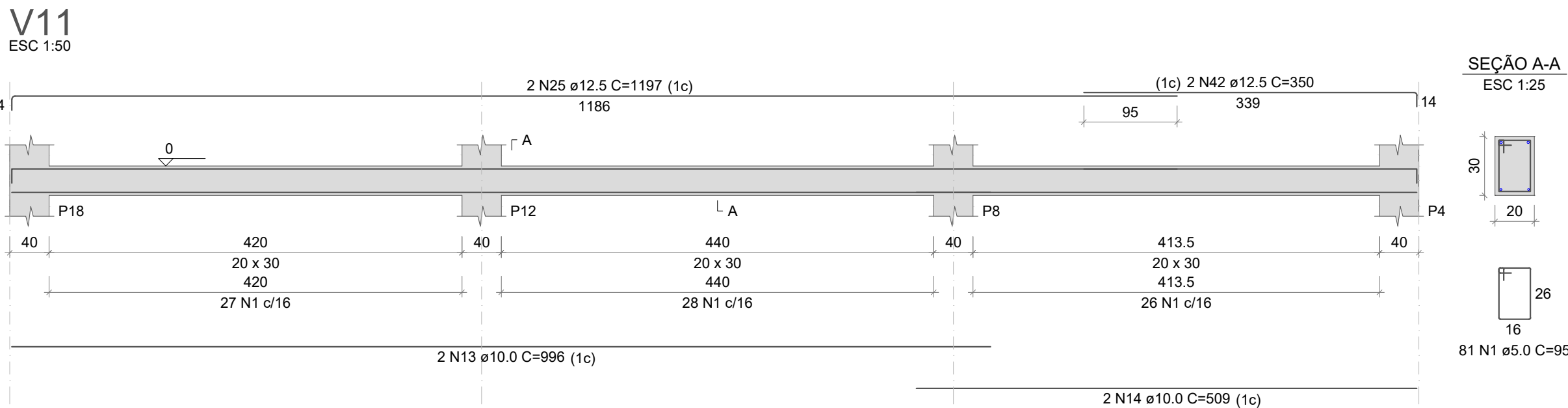
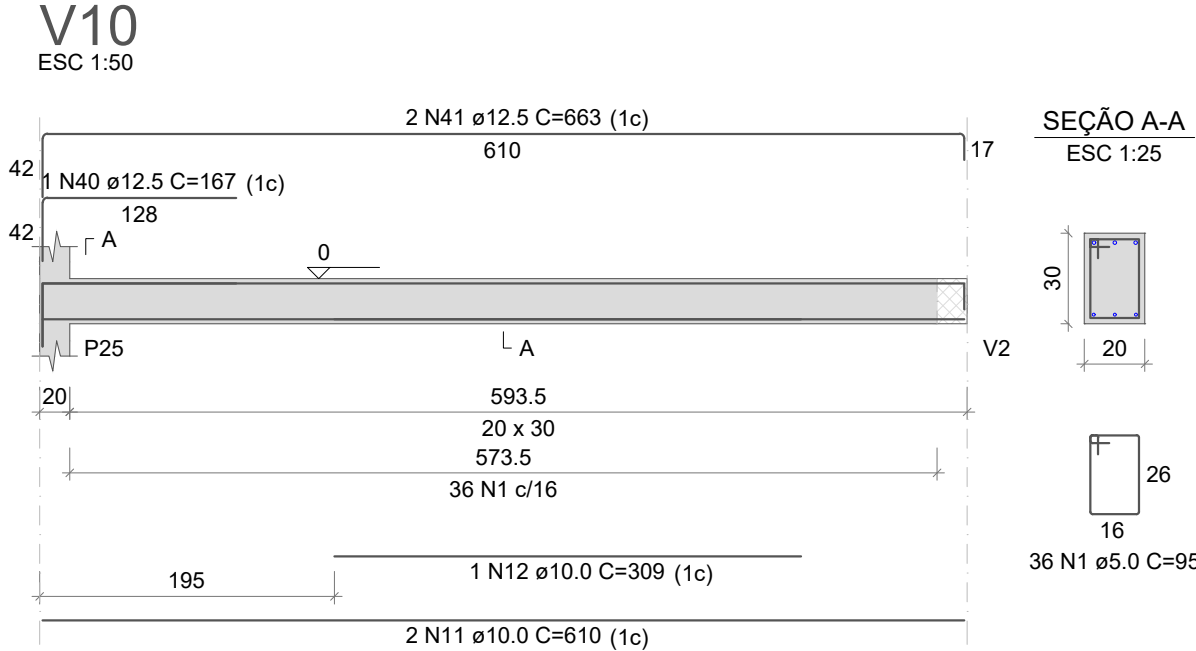
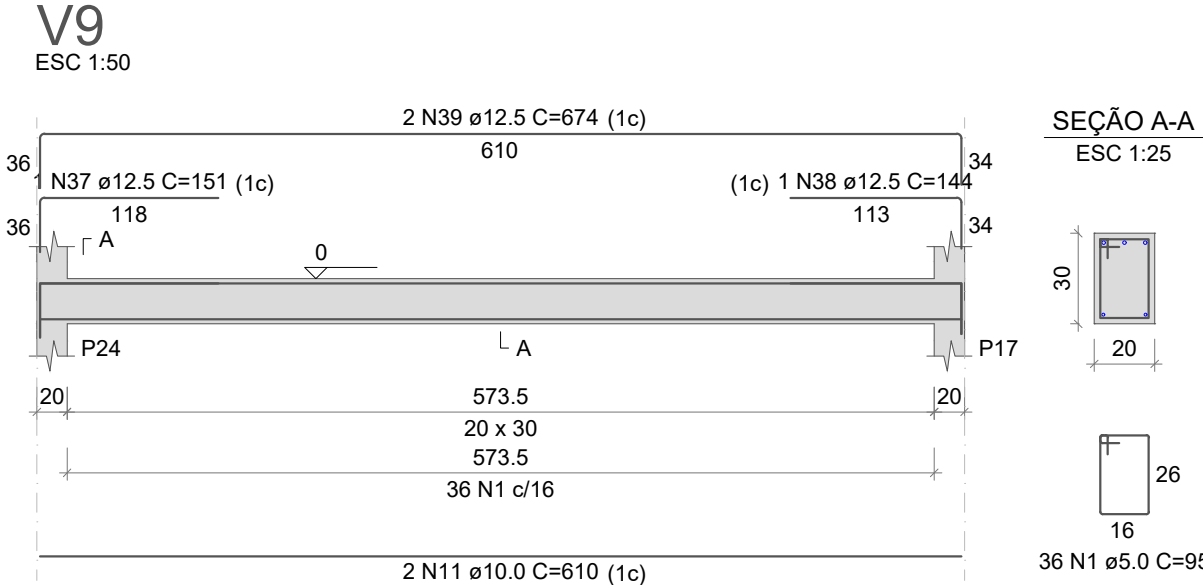
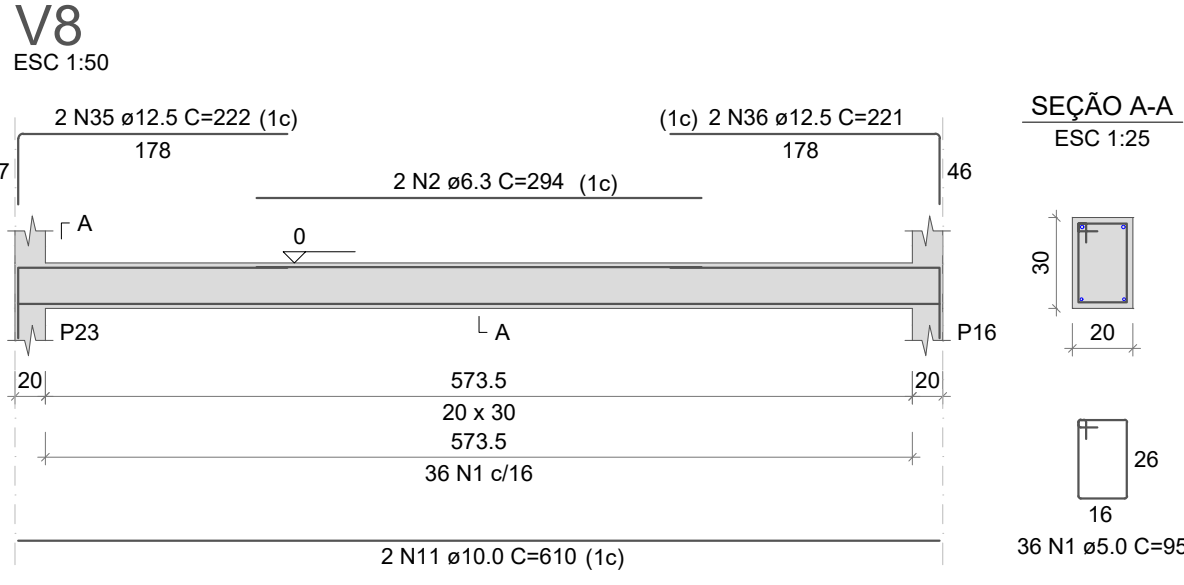
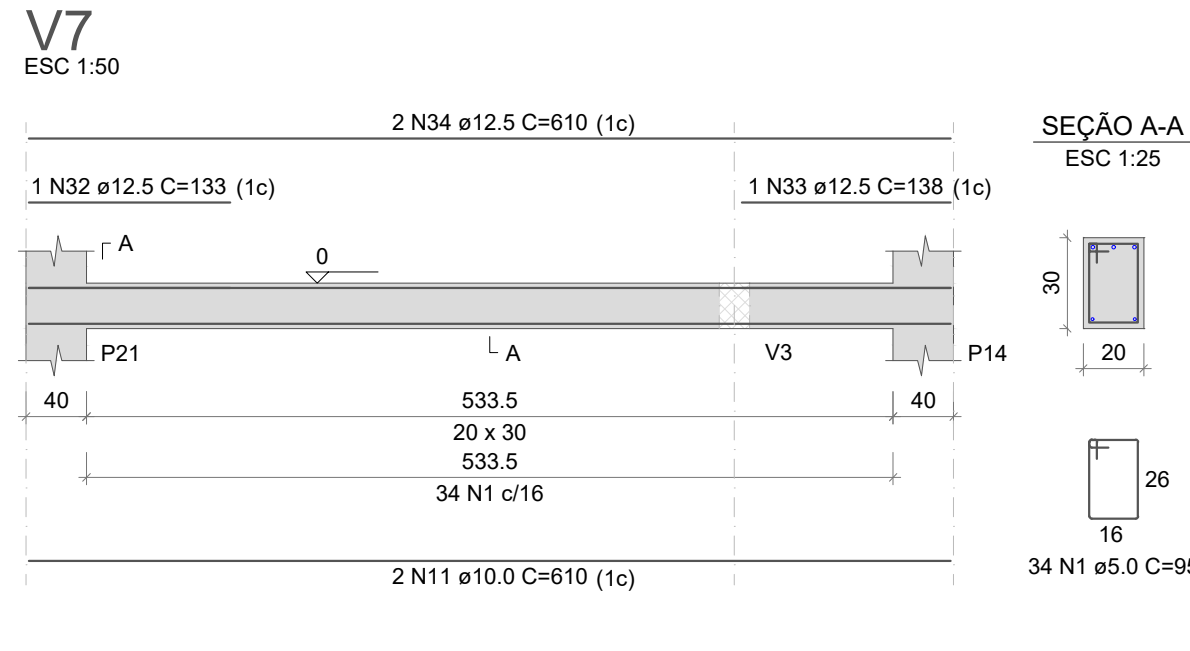
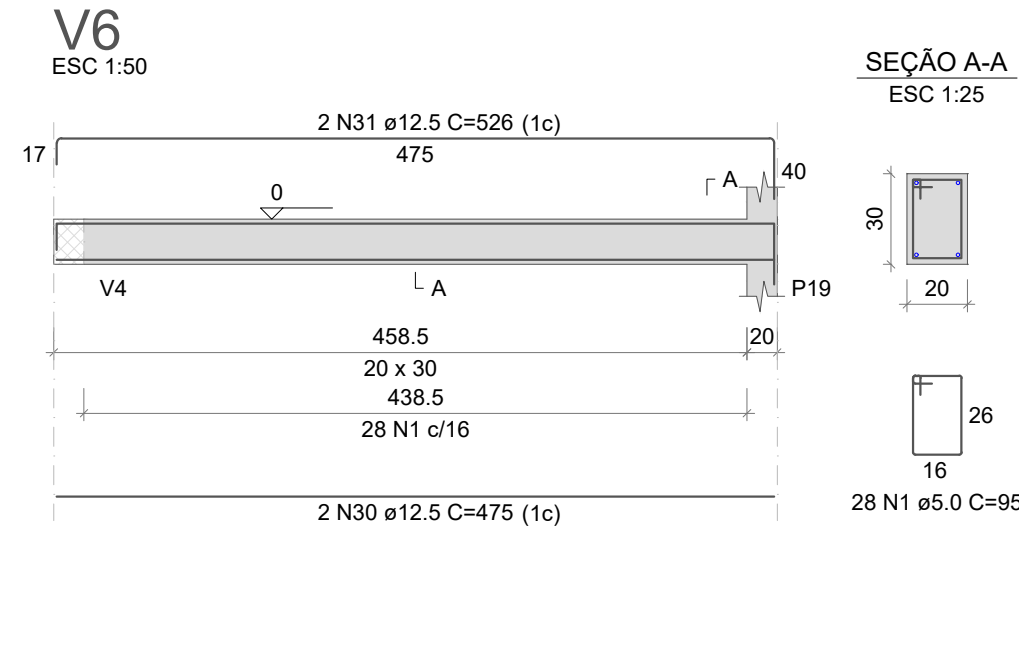
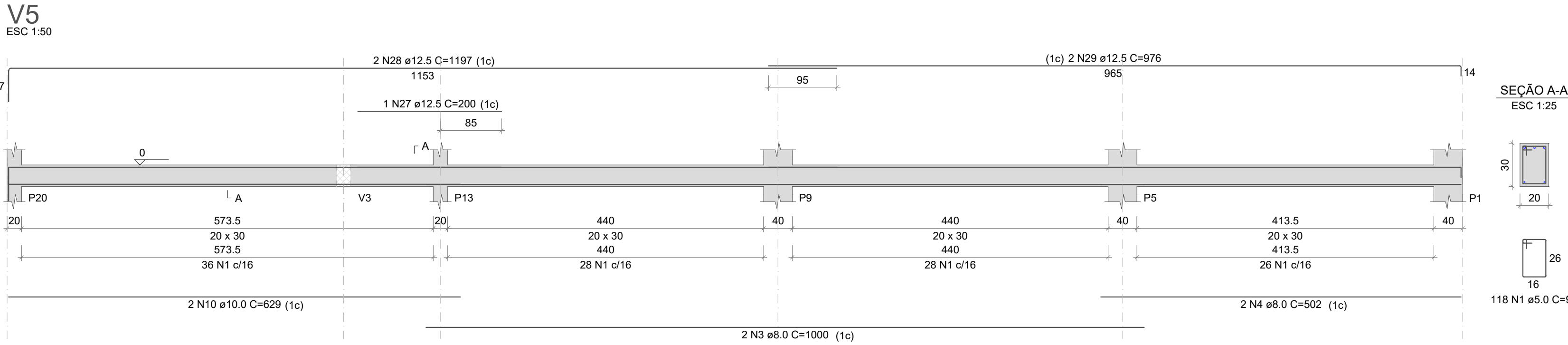
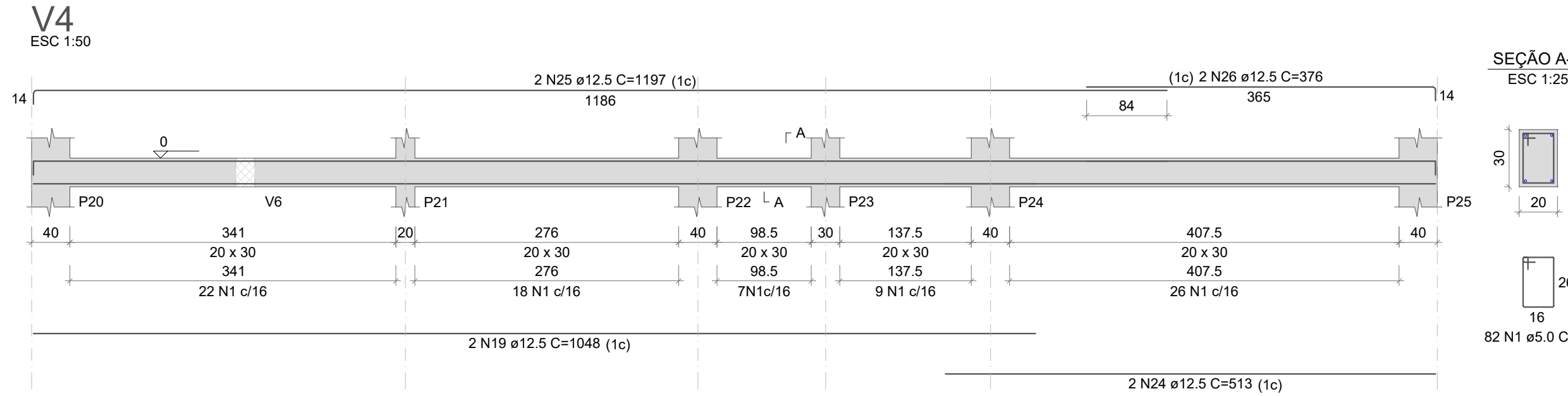
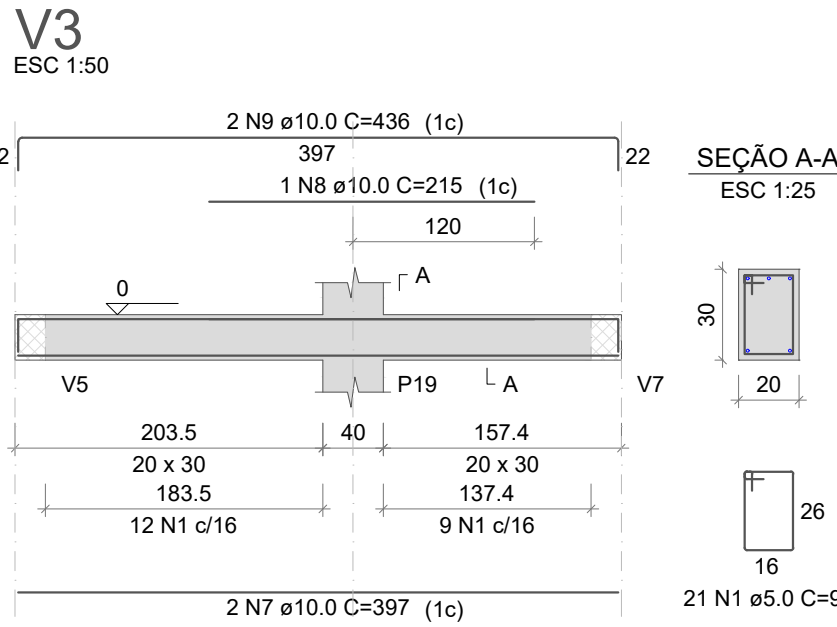
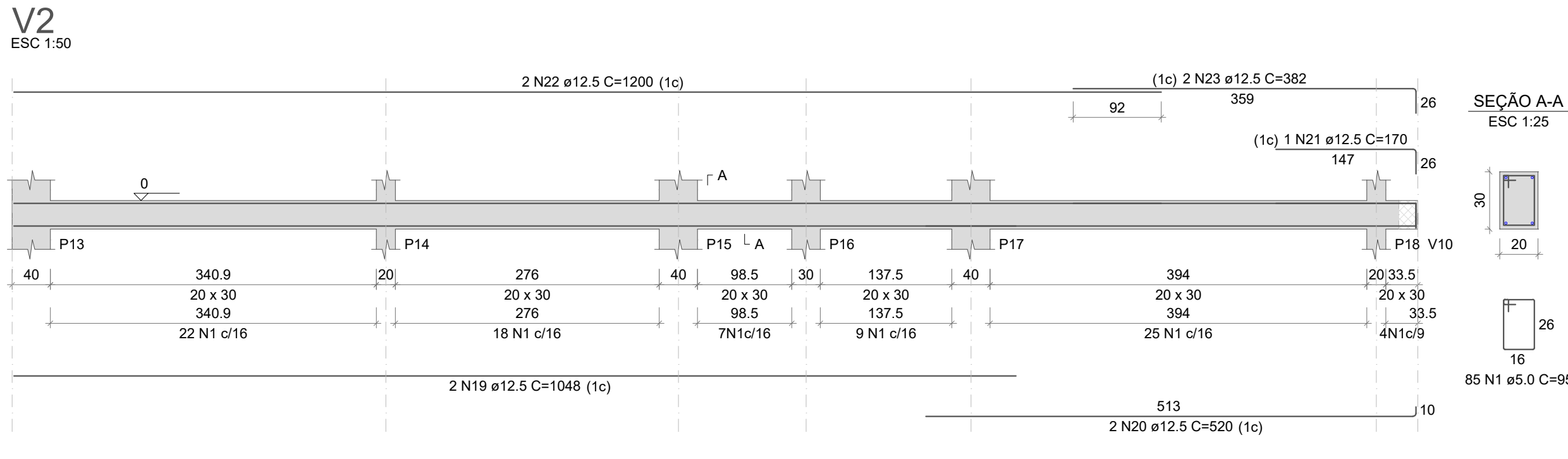
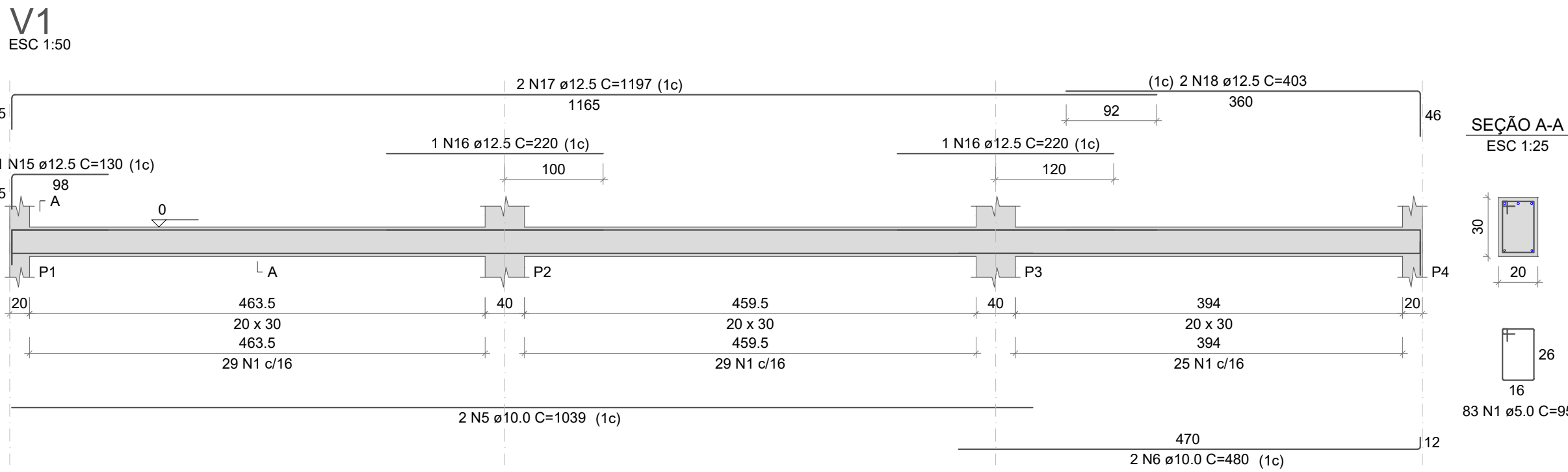




RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	640	95	60800
CA50	2	6.3	2	294	588
	3	8.0	2	1000	2000
	4	8.0	2	502	1004
	5	10.0	2	1039	2078
	6	10.0	2	480	960
	7	10.0	2	397	794
	8	10.0	1	215	215
	9	10.0	2	436	872
	10	10.0	2	629	1258
	11	10.0	4	610	4880
	12	10.0	1	309	309
	13	10.0	2	996	1992
	14	10.0	2	509	1018
	15	12.5	1	130	130
	16	12.5	2	220	440
	17	12.5	2	1197	2394
	18	12.5	2	403	806
	19	12.5	4	1048	4192
	20	12.5	2	520	1040
	21	12.5	1	170	170
	22	12.5	2	1200	2400
	23	12.5	2	382	764
	24	12.5	2	513	1026
	25	12.5	4	1197	4788
	26	12.5	2	376	752
	27	12.5	1	200	200
	28	12.5	2	1197	2394
	29	12.5	2	976	1952
	30	12.5	2	475	950
	31	12.5	2	526	1052
	32	12.5	1	133	133
	33	12.5	1	138	138
	34	12.5	2	610	1220
	35	12.5	2	222	444
	36	12.5	2	221	442
	37	12.5	1	151	151
	38	12.5	1	144	144
	39	12.5	2	674	1348
	40	12.5	1	167	167
	41	12.5	2	663	1326
	42	12.5	2	350	700

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	5.9	1.6
	8.0	30	13
	10.0	143.8	97.5
	12.5	316.6	335.5
CA60	5.0	608	103.1
PESO TOTAL (kg)			
CA50	447.6		
CA60	103.1		

Volume de concreto (C-25) = 6.01 m³
Área de forma = 89.37 m²



Você sonha,
nós concretizamos!

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Avenida Jacob Ermino Hartmann, nº 223 São Martinho/RS

TÍTULO:			
ESTRUTURAL - VIGAS BALDRAME			
PROPRIETÁRIOS:		CPF:	
Prefeitura Municipal de São Martinho-RS		87.613.097/0001-96	
ENDEREÇO:			
Ampliação Escola Municipal de Ensino Fundamental Pe. Antônio Michels, São Martinho - RS			
Av. Pedro Dutra, 59, Centro, São Martinho/RS			
ÁREA:	DATA:	UNIDADE DE MEDIDA:	ESCALA:
295,14m²	Dezembro/2022	metros	1:50
AUTOR DO PROJETO:			
Gabriela Blatt			

Prefeitura Municipal de São Martinho-RS
Proprietário

Gabriela Blatt
Responsável Técnico
Eng. Civil - CREA RS221572