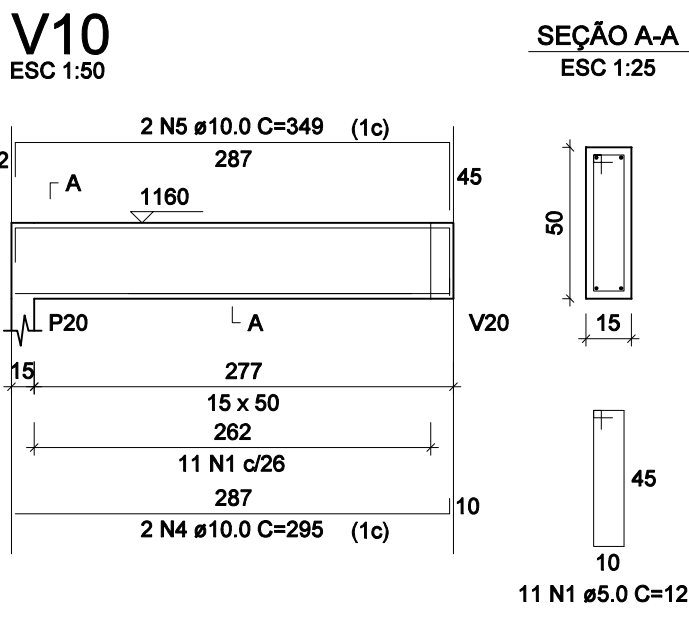
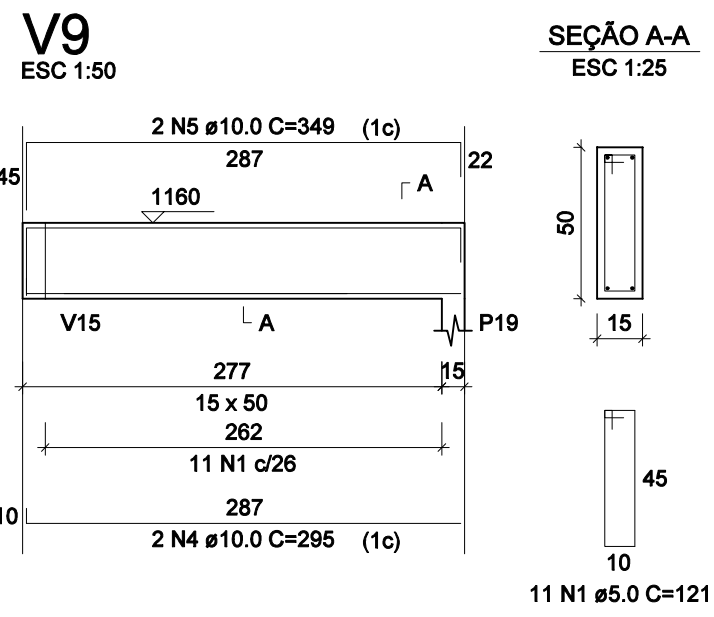
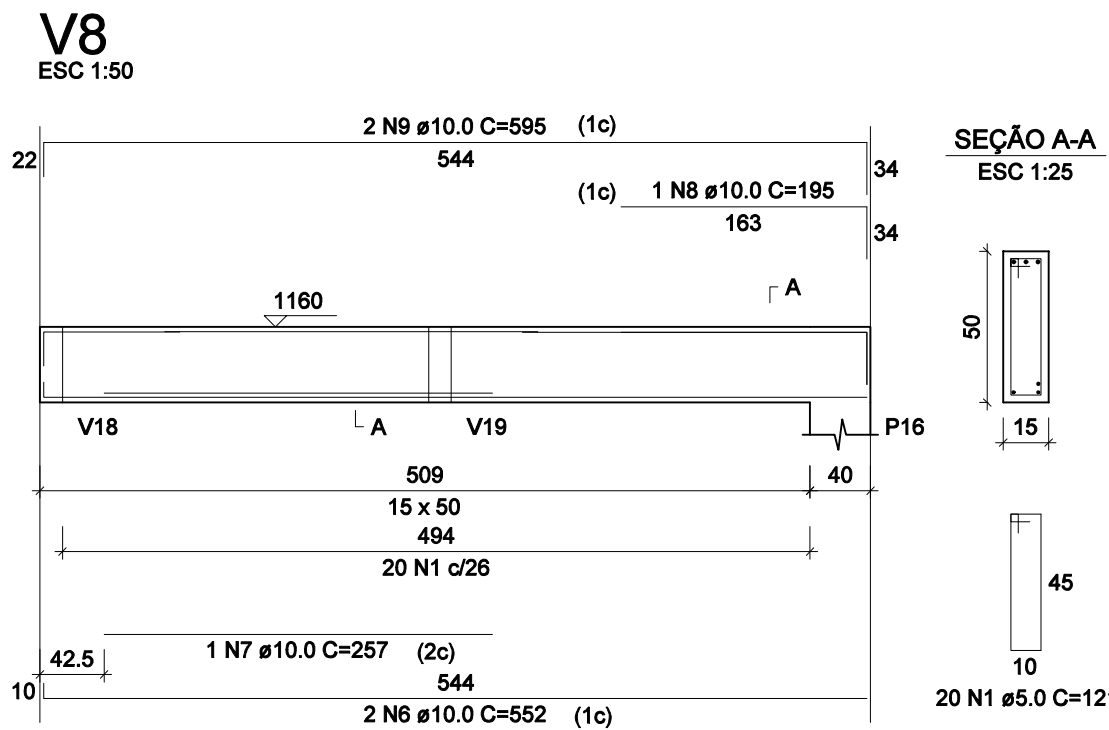
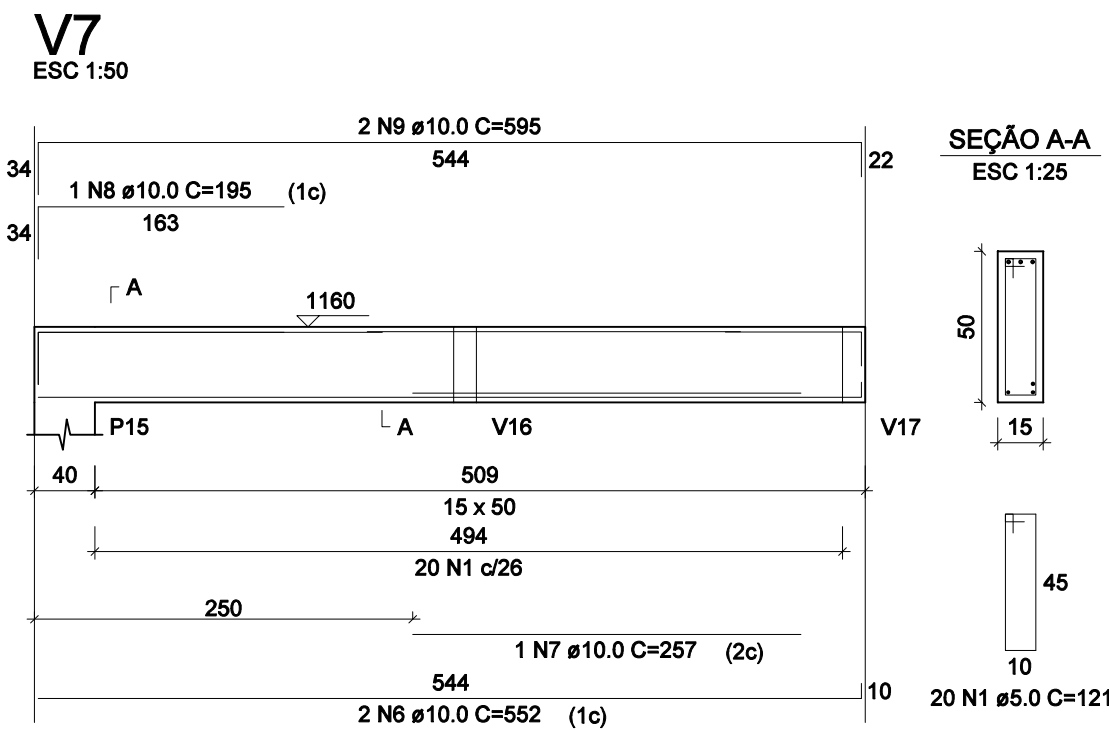
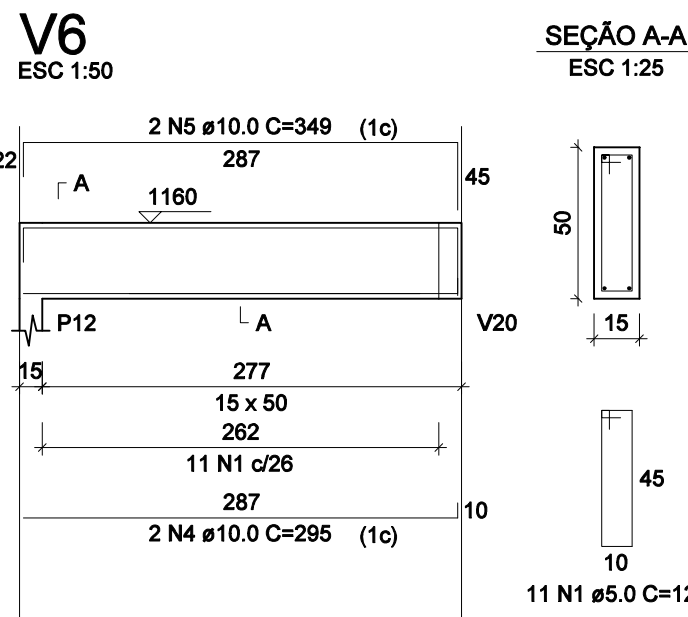
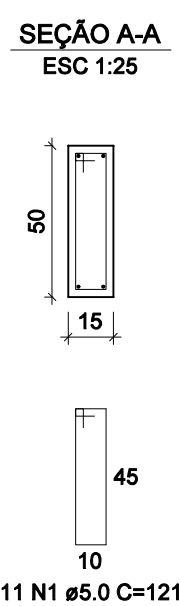
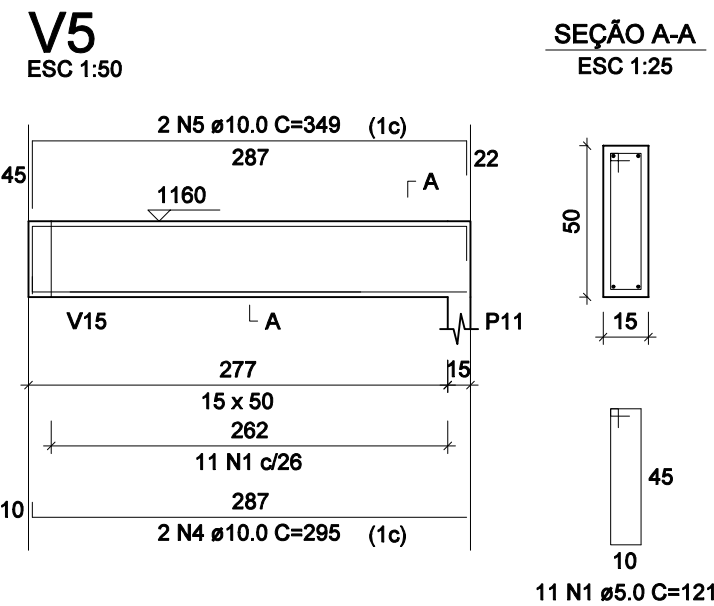
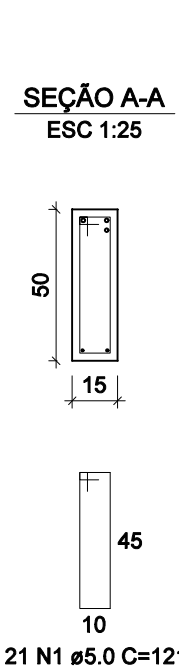
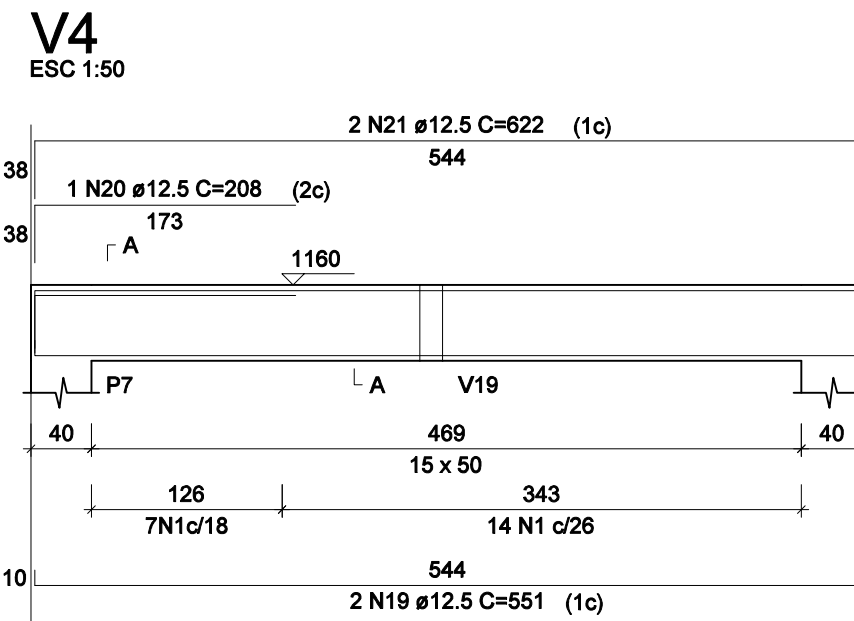
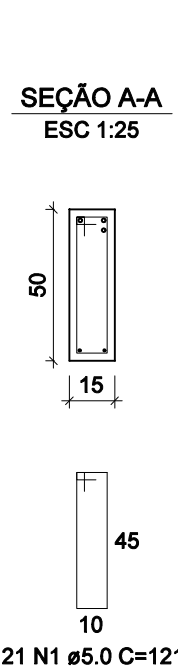
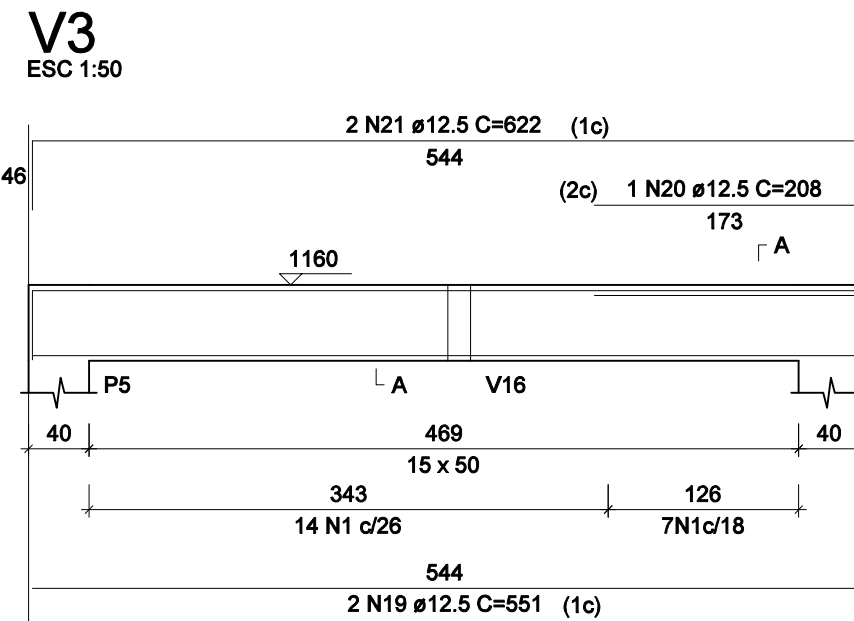
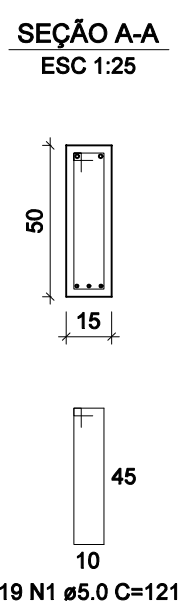
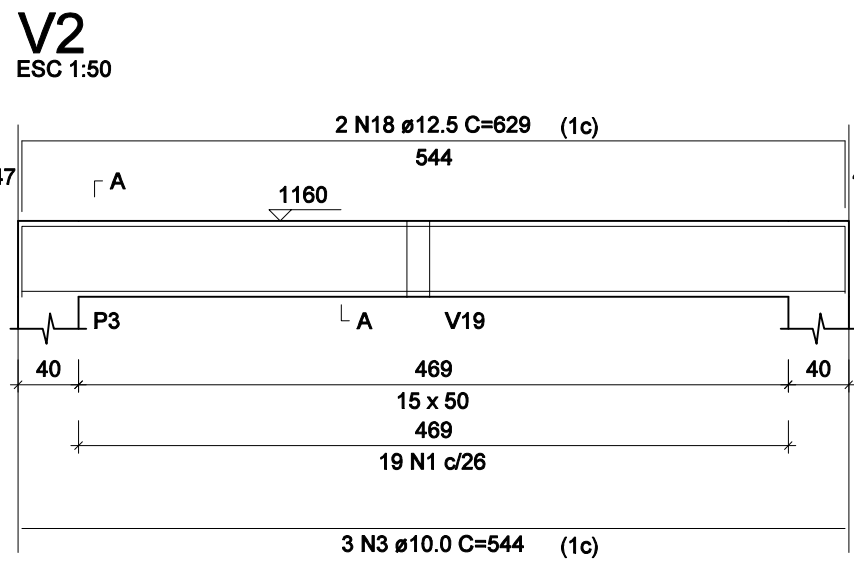
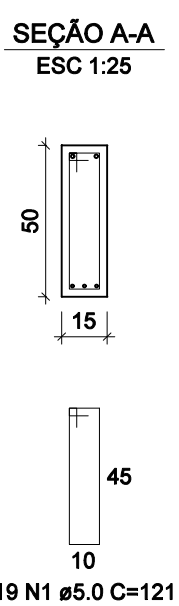
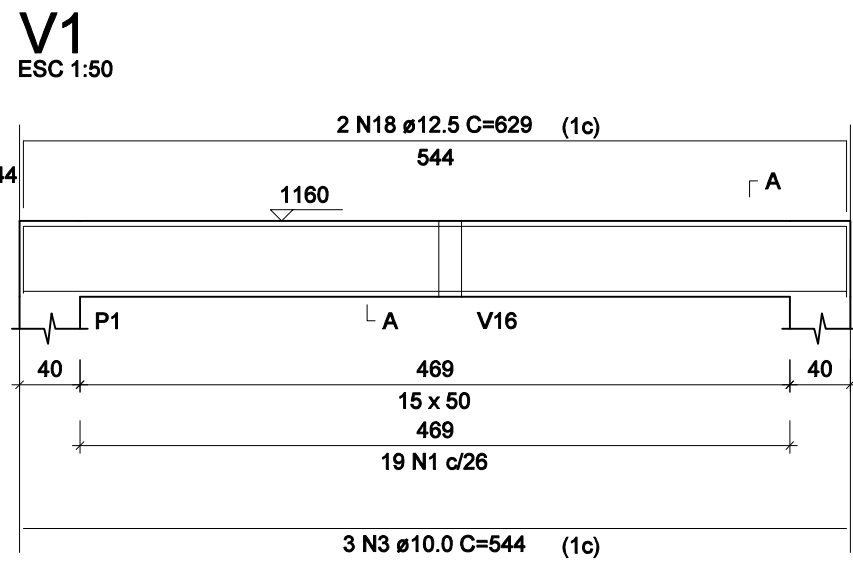




RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	361	121	46101
CA50	2	8.0	2	700	1400
	3	10.0	10	544	5440
	4	10.0	8	295	2360
	5	10.0	8	349	2792
	6	10.0	4	552	2208
	7	10.0	2	257	514
	8	10.0	2	195	390
	9	10.0	4	595	2380
	10	10.0	2	274	548
	11	10.0	2	865	1730
	12	10.0	2	861	1722
	13	10.0	2	1054	2108
	14	10.0	2	328	656
	15	10.0	2	563	1126
	16	10.0	2	316	632
	17	10.0	2	1121	2242
	18	12.5	4	629	2516
	19	12.5	8	551	4408
	20	12.5	2	208	416
	21	12.5	4	622	2488
	22	12.5	4	607	2428
	23	12.5	4	628	2512
	24	12.5	3	1120	3360

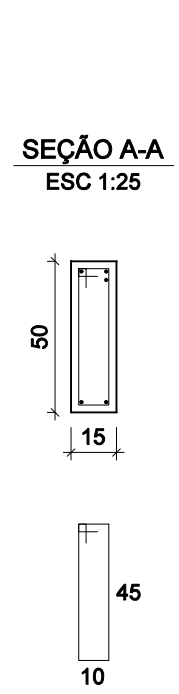
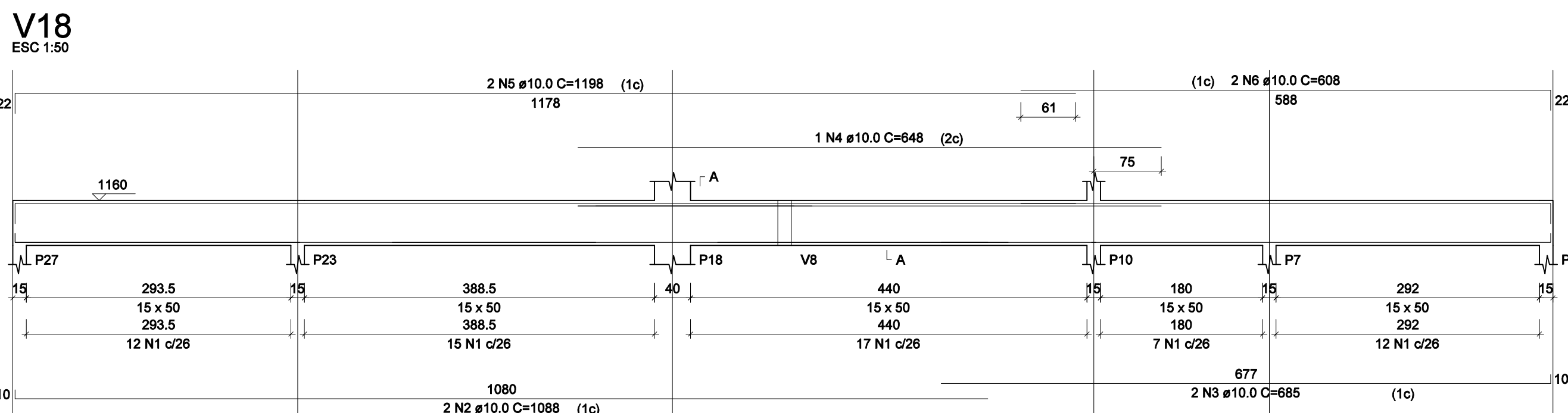
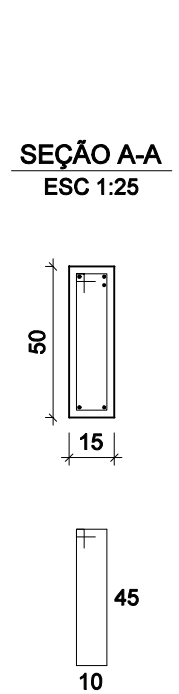
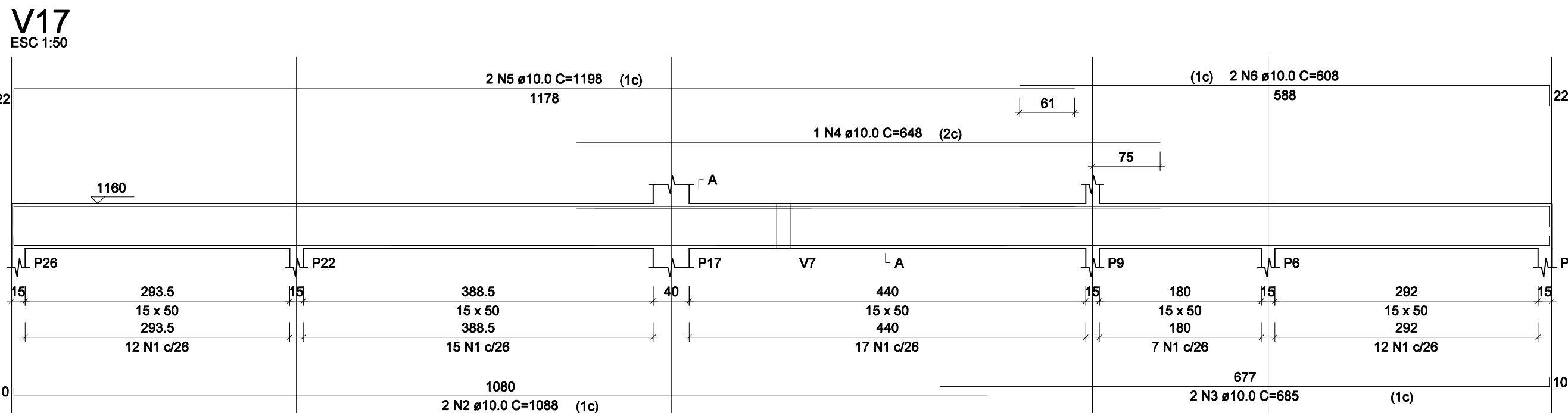
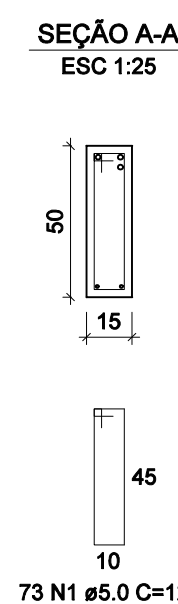
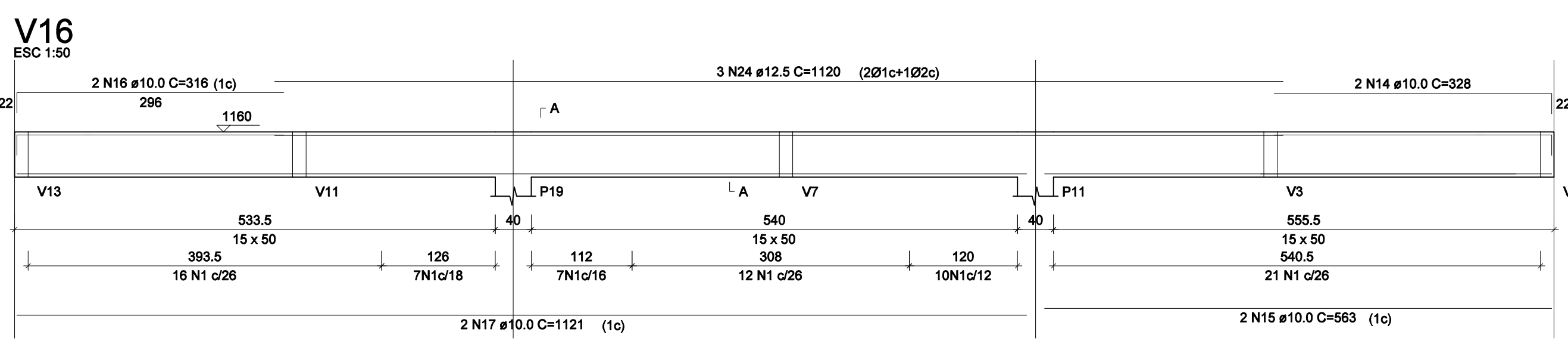
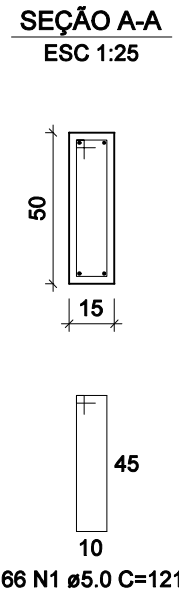
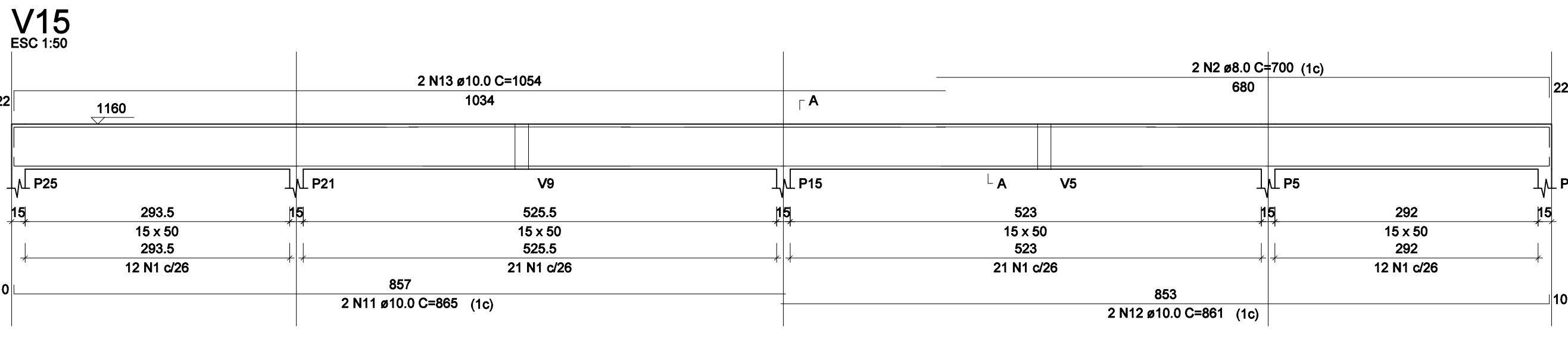
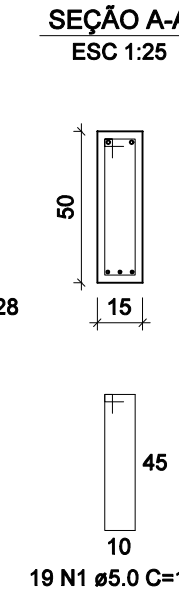
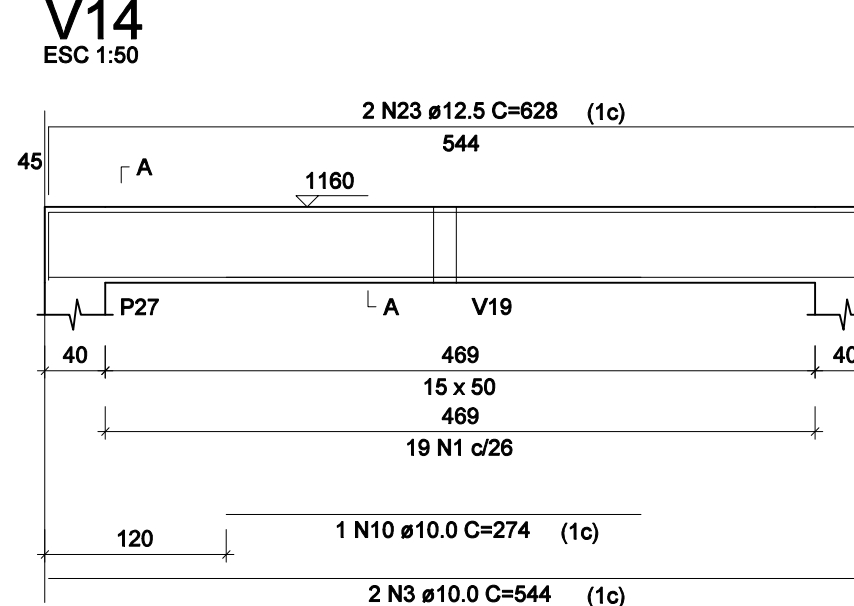
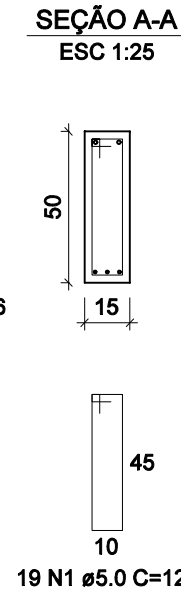
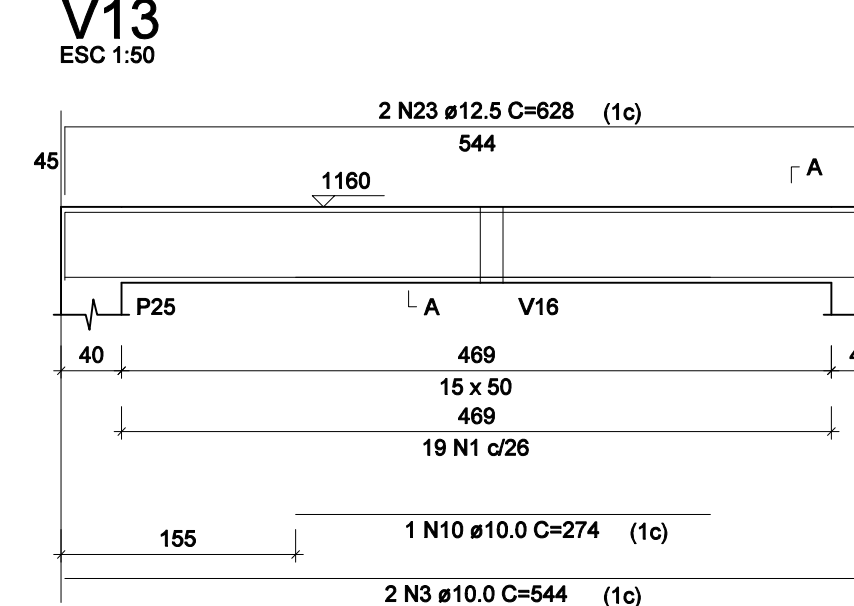
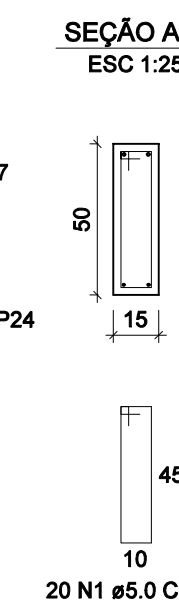
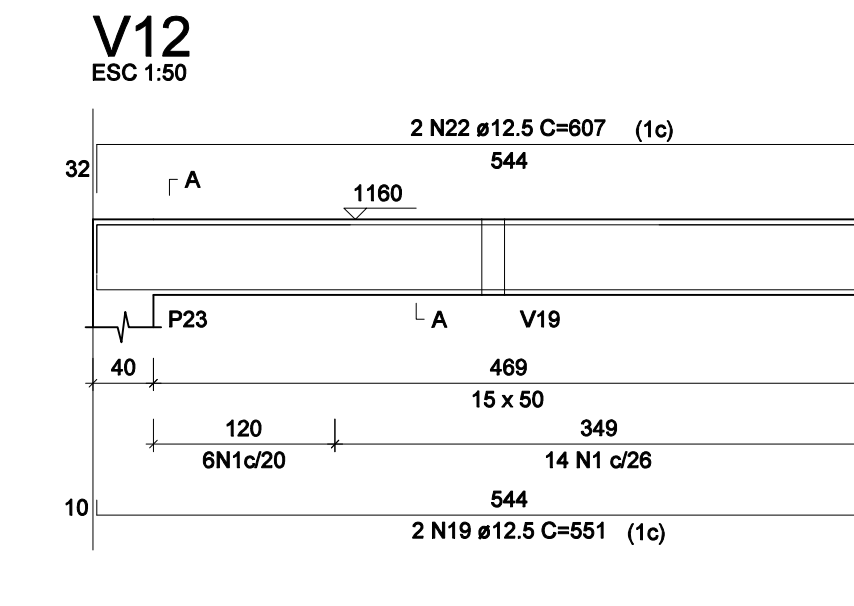
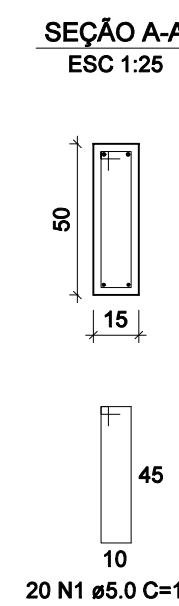
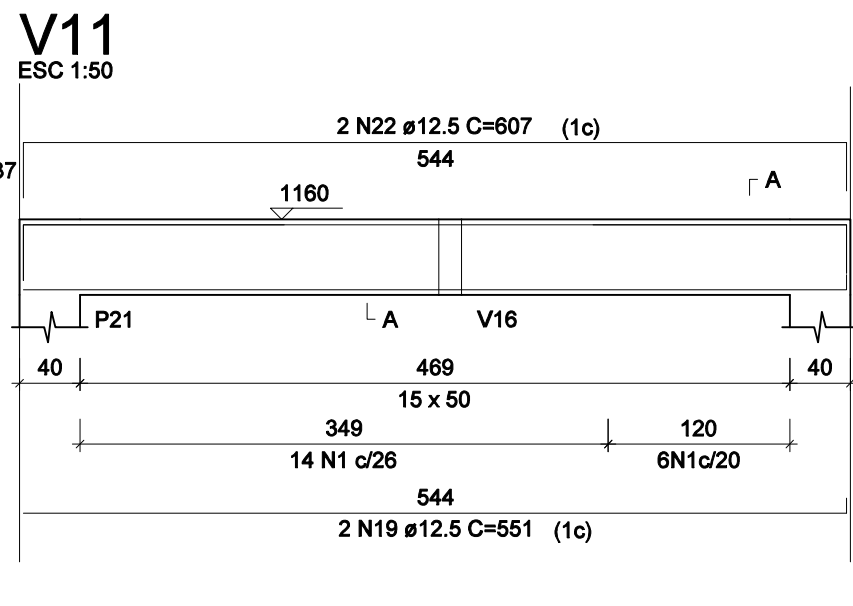
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	14	6.1
	10.0	268.5	182.1
	12.5	181.3	192.1
	5.0	461	78.2

PESO TOTAL (kg)

CA50	380.3
CA60	78.2

Volume de concreto (C-25) = 7.56 m³
Área de forma = 115.92 m²



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	265	121	32065
CA50	2	10.0	4	1088	4352
	3	10.0	4	895	3580
	4	10.0	2	648	1296
	5	10.0	4	1198	4792
	6	10.0	4	608	2432
	7	10.0	2	316	632
	8	10.0	2	563	1126
	9	10.0	2	328	656
	10	10.0	2	1121	2242
	11	10.0	2	865	1730
	12	10.0	2	861	1722
	13	10.0	2	1054	2108
	14	10.0	1	240	240
	15	10.0	2	700	1400
	16	12.5	3	1120	3360

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	274.7	188.3
	12.5	33.6	35.6
	5.0	320.7	54.4

PESO TOTAL (kg)

CA50	221.9
CA60	54.4

Volume de concreto (C-25) = 5.13 m³
Área de forma = 78.65 m²

PROPRIETÁRIO:	CNPJ
PREFEITURA MUNICIPAL DE NOVA ERA	16.819.831/0001-20
EMPRESA CONTRATADA:	CNPJ
ALESSANDRO DRUMOND - Engenharia & Arquitetura	19.881.726/ 0001-20
RESPONSÁVEL TÉCNICO:	CREA
ALESSANDRO DRUMOND GUERRA DA SILVA	Arquiteto e Urbanista - A82573-5
É DE RESPONSABILIDADE DO RT O ATENDIMENTO À LEGISLAÇÃO EM VIGOR, ESTANDO O MESMO SUJEITO ÀS PENALIDADES DA LEI	
PROJETO ESTRUTURAL CIVIL	
DETALHE	
VIGAS 4a LAJE -1	
USO	RESIDENCIAL
TÍTULO	APROVAÇÃO
ENDEREÇO	RUA FAZENDA DA VARGEM, S/N, SANTANA - NOVA ERA/ MG
DATA	JANEIRO/2023
FOLHA	19/20
J.V.C.	DES