

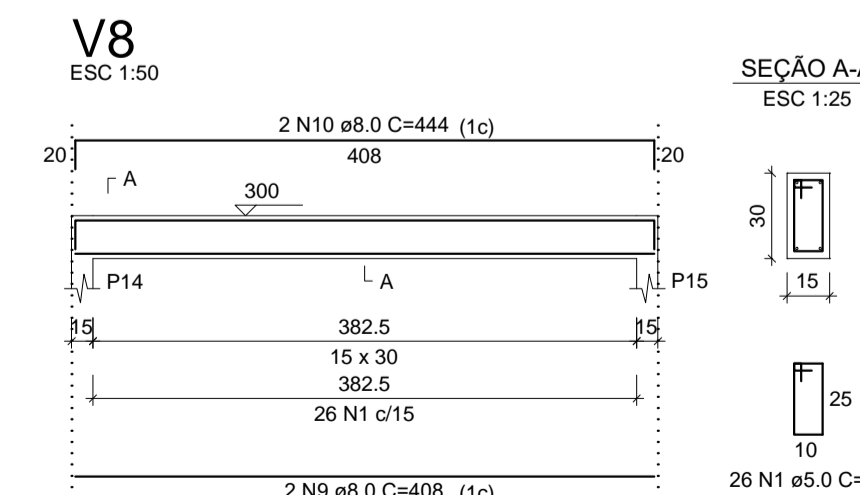
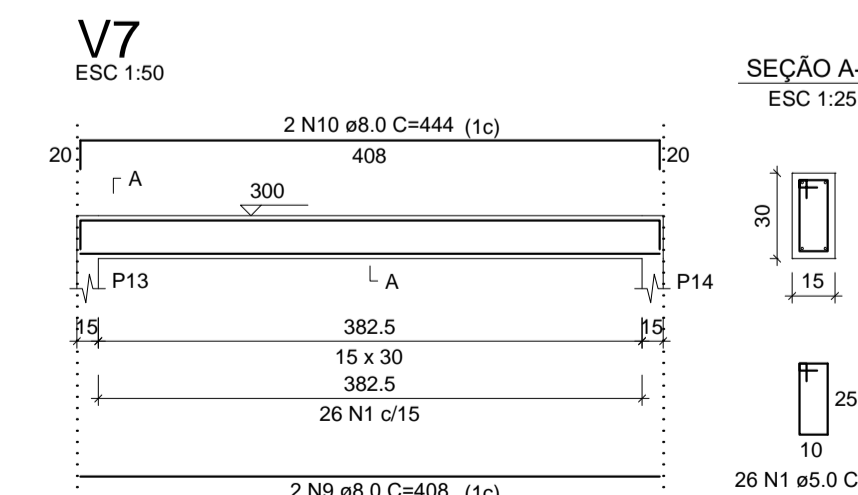
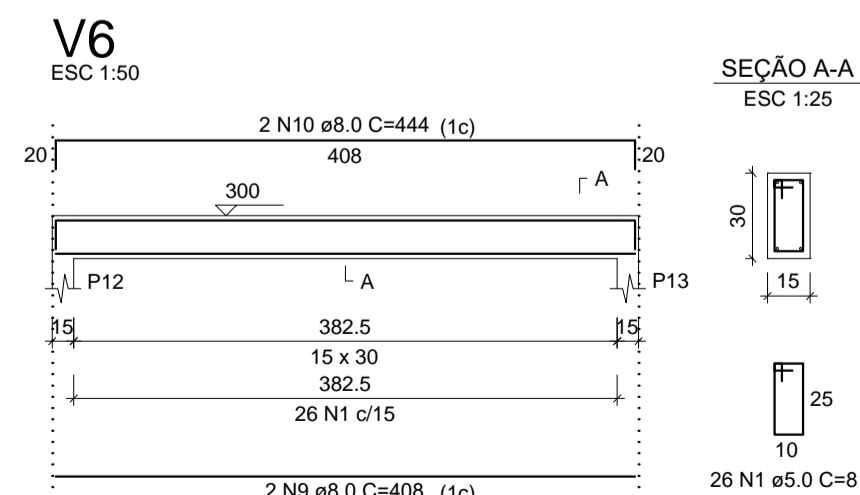
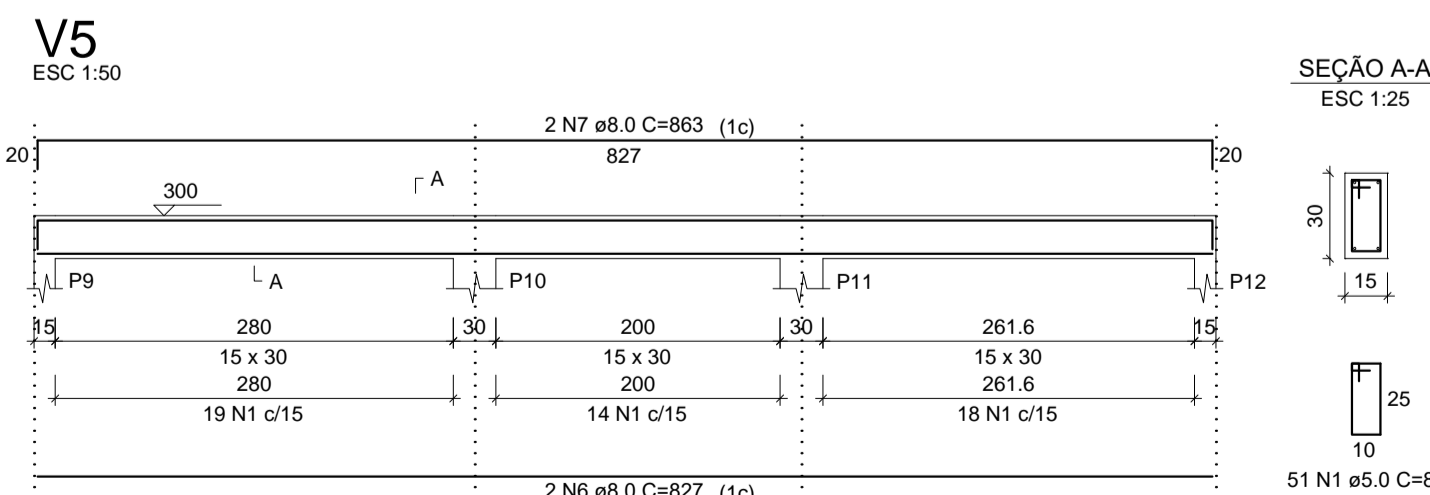
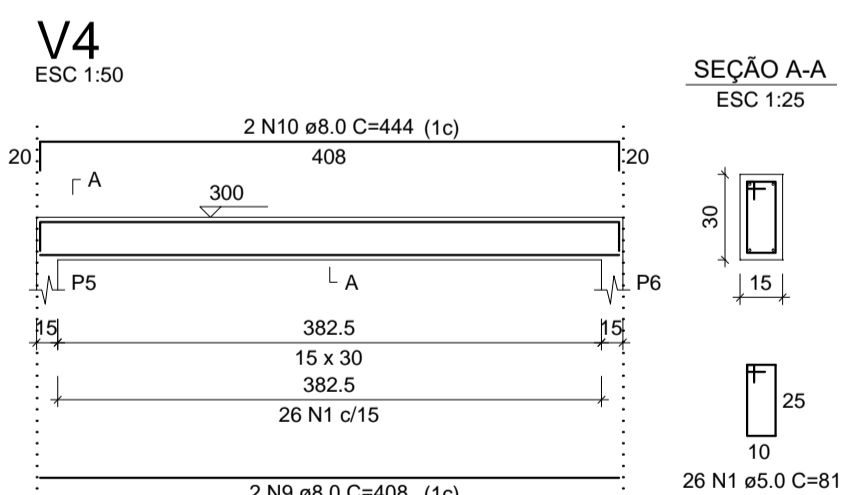
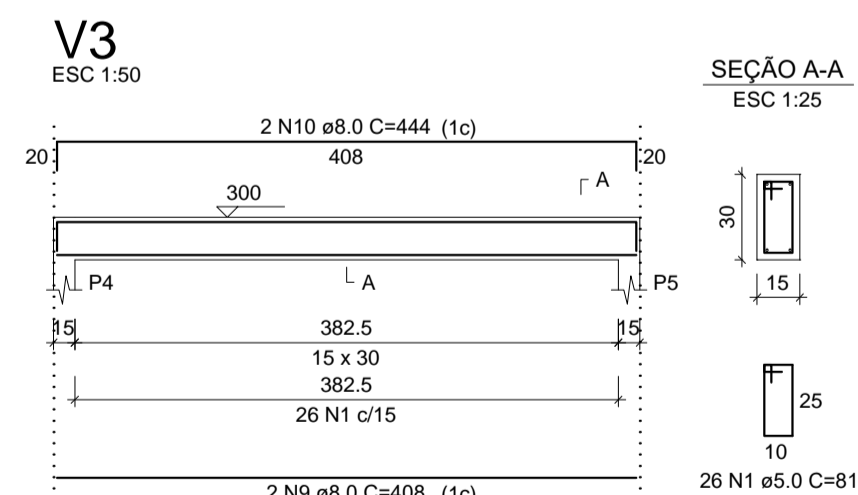
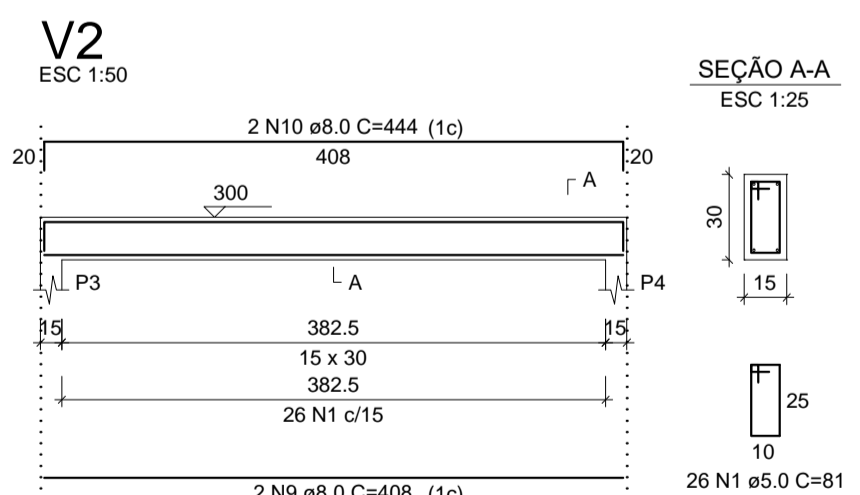
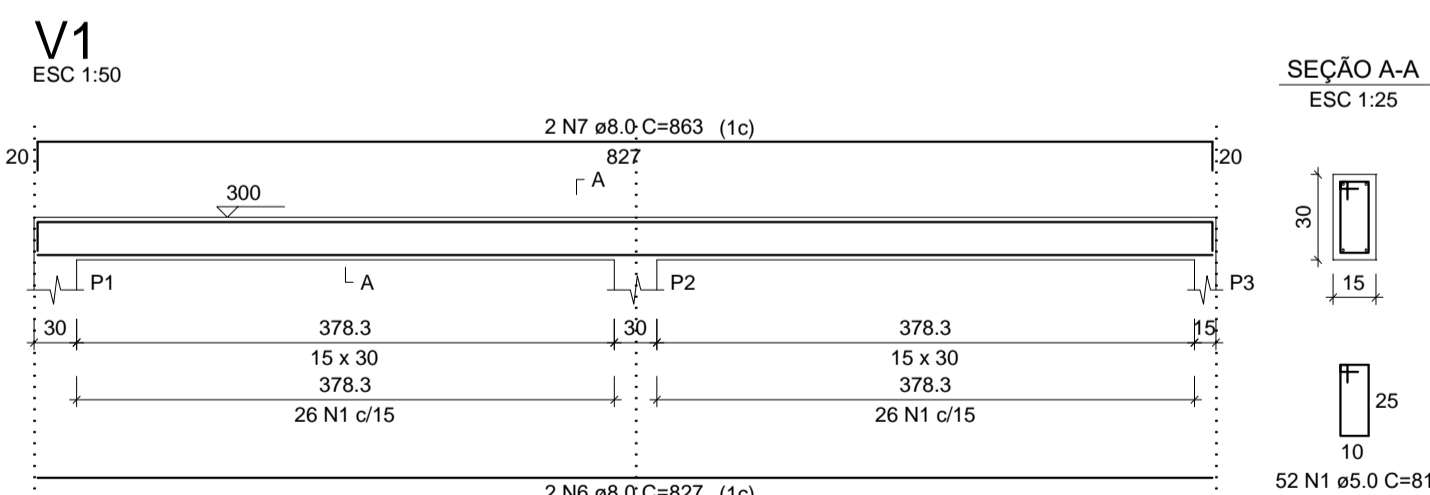
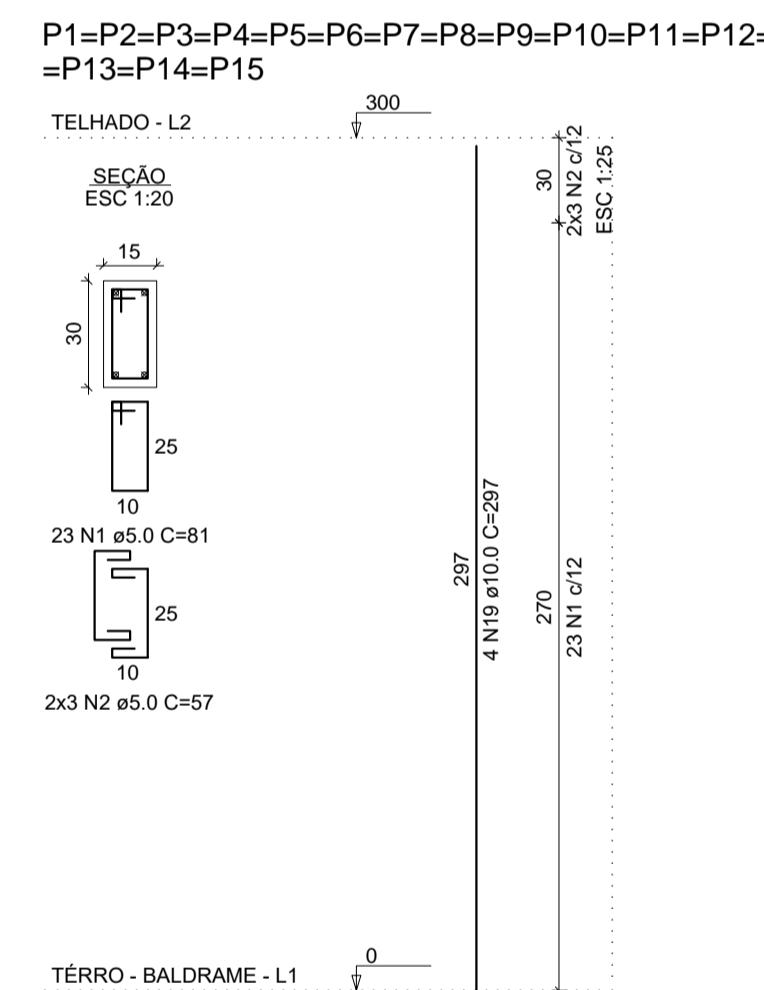
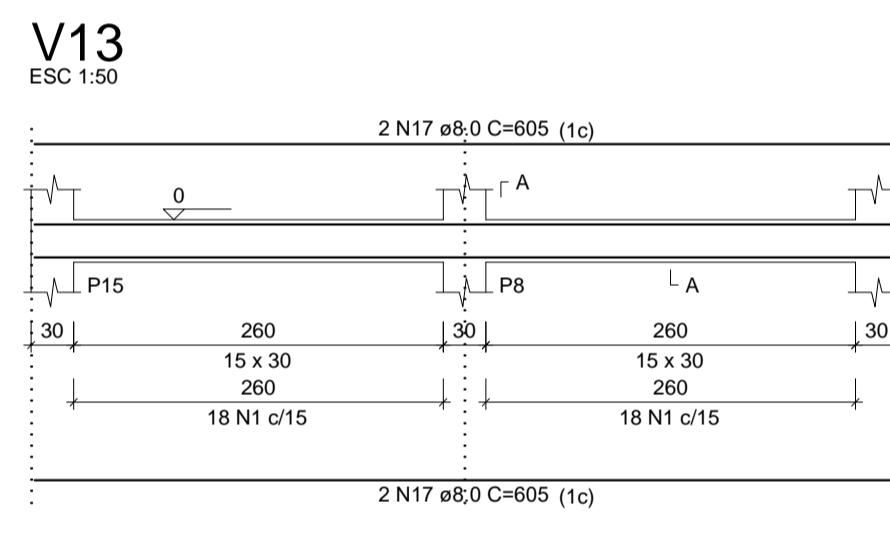
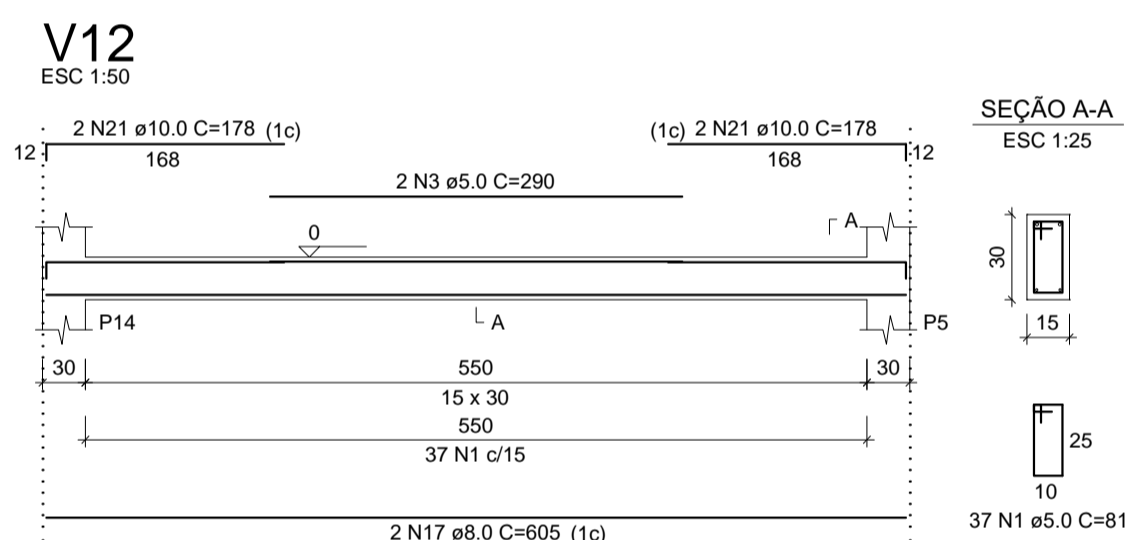
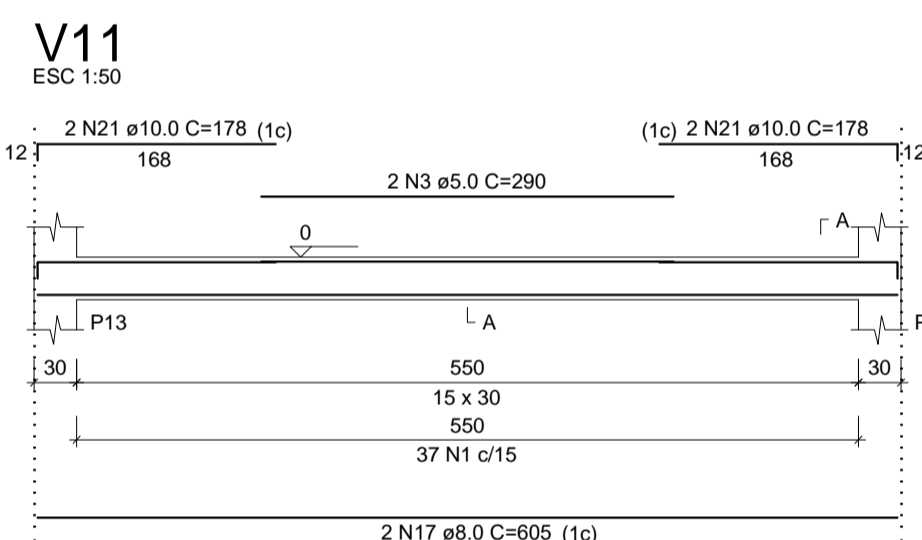
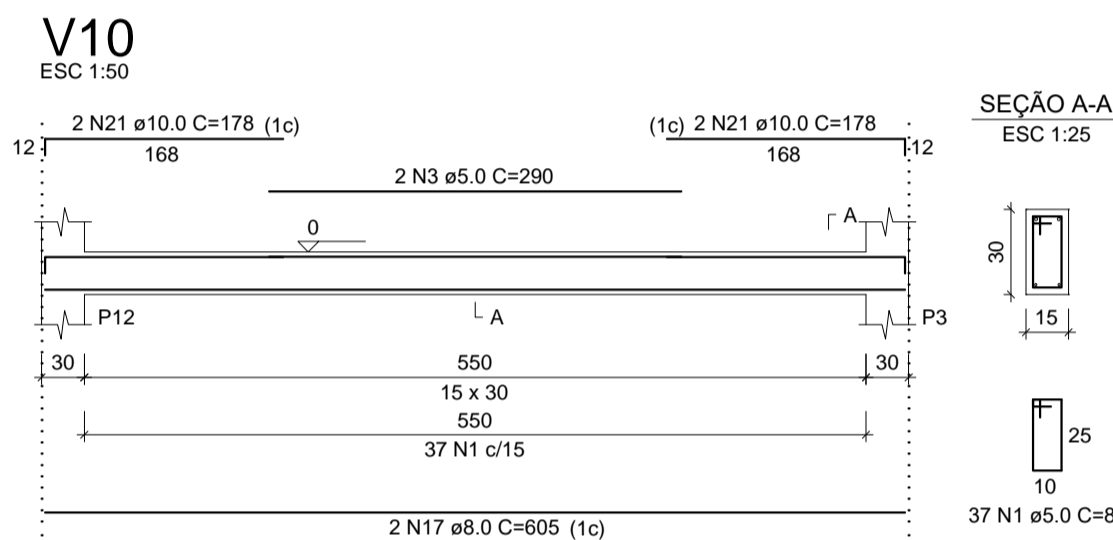
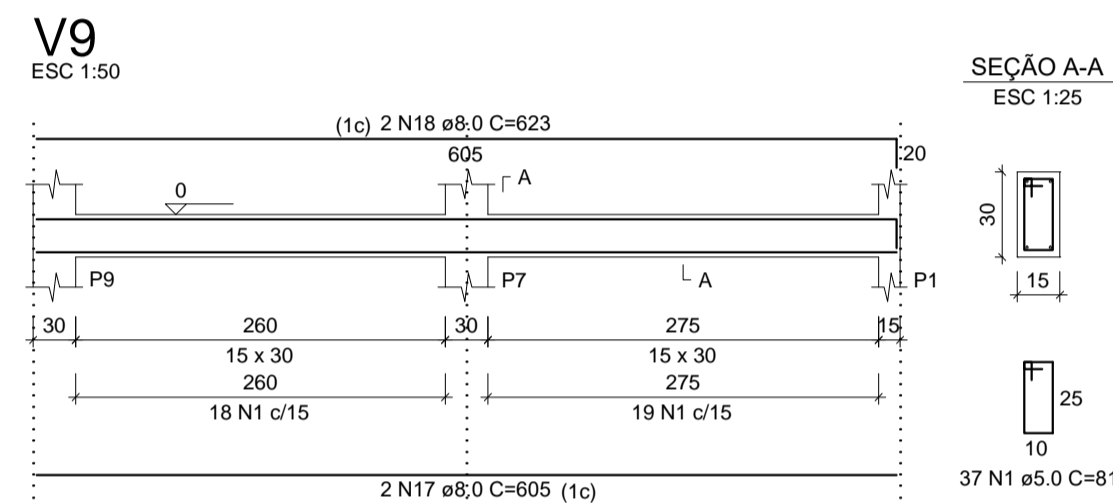
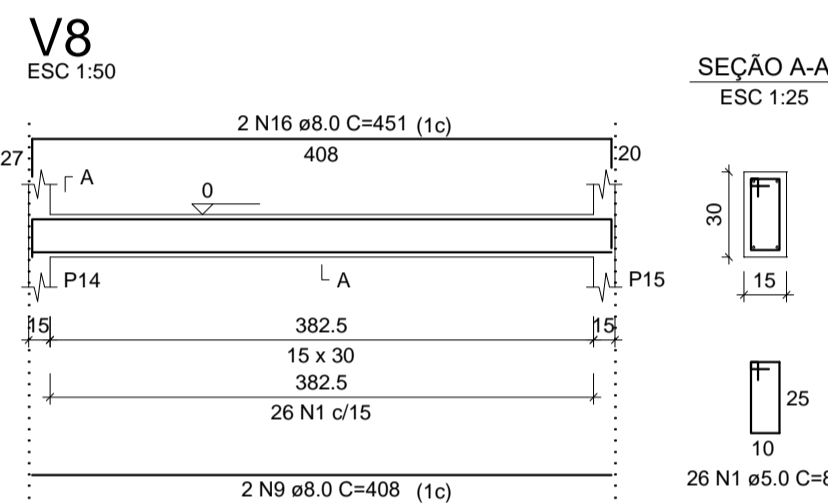
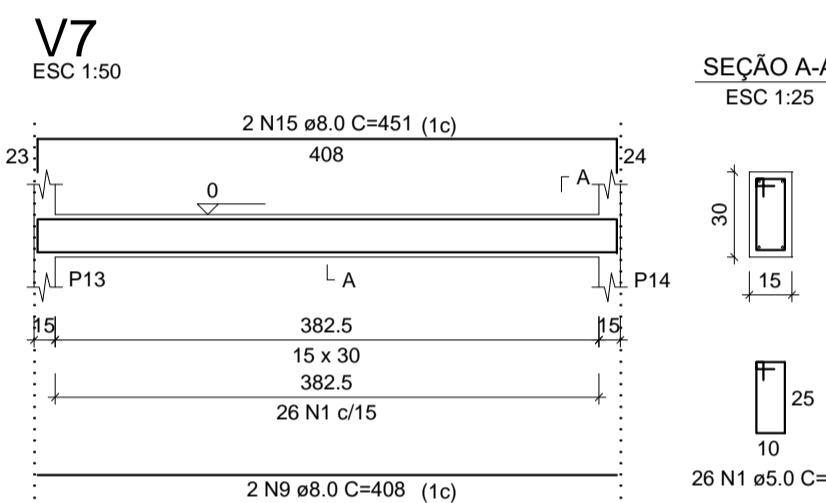
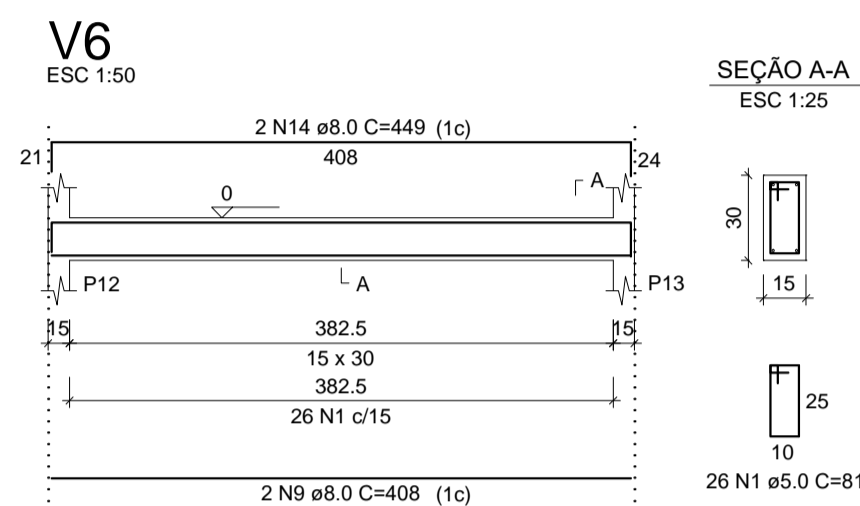
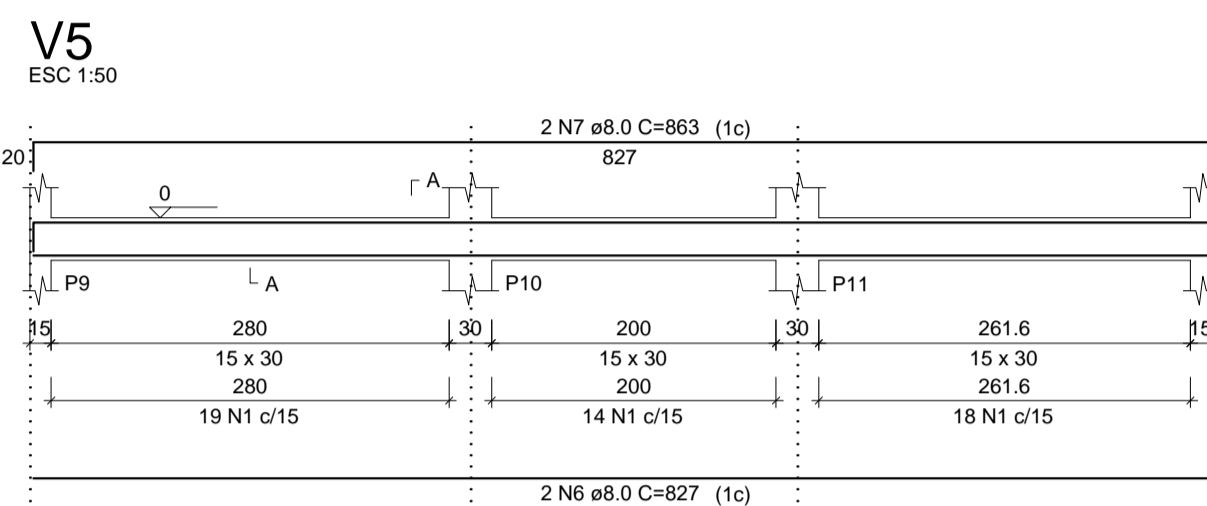
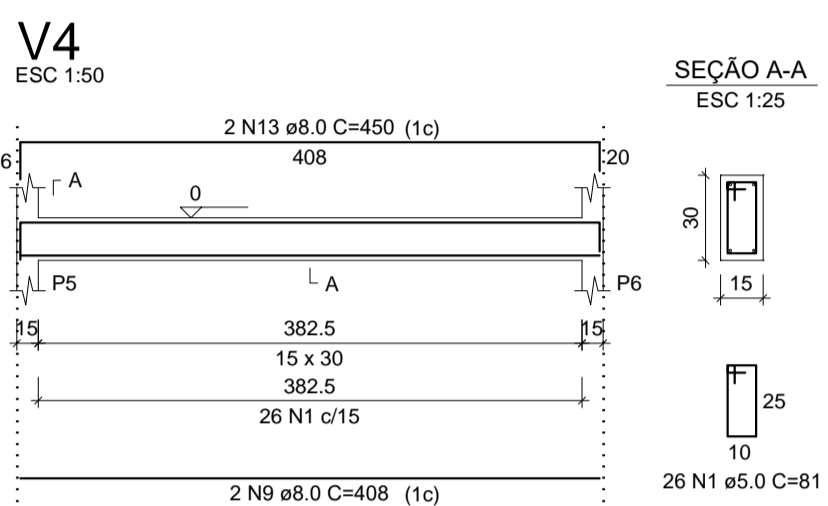
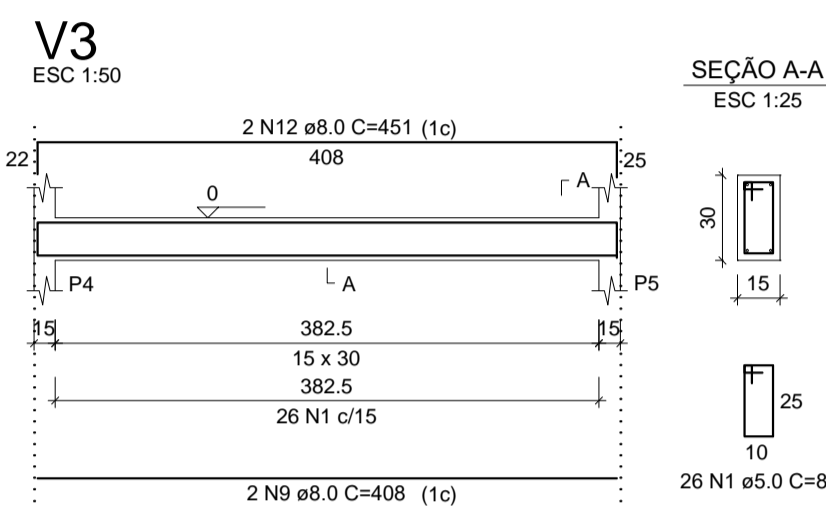
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
15xP1-L2	1	5.0	1197	81	96957
V1-L2	2	5.0	180	57	10260
V2-L1	3	5.0	6	280	1740
V4-L2	4	6.3	120	75	9000
V5-L1	5	6.3	90	90	8100
V7-L2	6	8.0	8	827	6616
V8-L1	7	8.0	6	863	5178
V11-L1	8	8.0	2	848	1696
	9	8.0	24	408	9792
	10	8.0	12	444	5328
	11	8.0	2	450	900
	12	8.0	2	451	902
	13	8.0	2	450	900
	14	8.0	2	449	898
	15	8.0	2	451	902
	16	8.0	2	451	902
	17	8.0	12	605	7260
	18	8.0	2	623	1246
	19	10.0	60	297	17820
	20	10.0	60	202	12120
	21	10.0	12	178	2136

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	171	46
	8.0	425.2	184.6
	10.0	320.8	217.5
CA60	5.0	1089.6	184.7
PESO TOTAL (kg)			
CA50		448.1	
CA60		184.7	

Volume de concreto (C-25) = 9.58 m³  
Área de forma = 155.07 m²



PREFEITURA MUNICIPAL  
DE GRÃO MOGOL/MG

OBRA/SERVIÇO: AMPLIAÇÃO, REFORMA E ADEQUAÇÃO  
ESC. MUNIC. AFRÂNIO AUGUSTO FIGUEIREDO (ANEXO)

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG

DIEGO ANTÔNIO BRAGA FAUNDES  
PREFEITO MUNICIPAL

ENDEREÇO: RUA PRINCIPAL S/N - COMUNIDADE VISTA ALEGRE - GRÃO MOGOL/MG

PROJETO: PROJETO ESTRUTURAL

RESPONSÁVEL TÉCNICO: RODRIGO ROCHA RIBEIRO  
ENGº CIVIL - CREA/MG: 221910/0

ÁREAS: ÁREA EXISTENTE .....199,63m²  
ÁREA AMPLIAÇÃO .....310,12m²  
ÁREA TOTAL CONSTRUÇÃO.....509,75m²

NÚMERO ART: MG 2022 1503021

NÚMERO CONTRATO:

DATA: SETEMBRO/2022

ESCALA: INDICADA