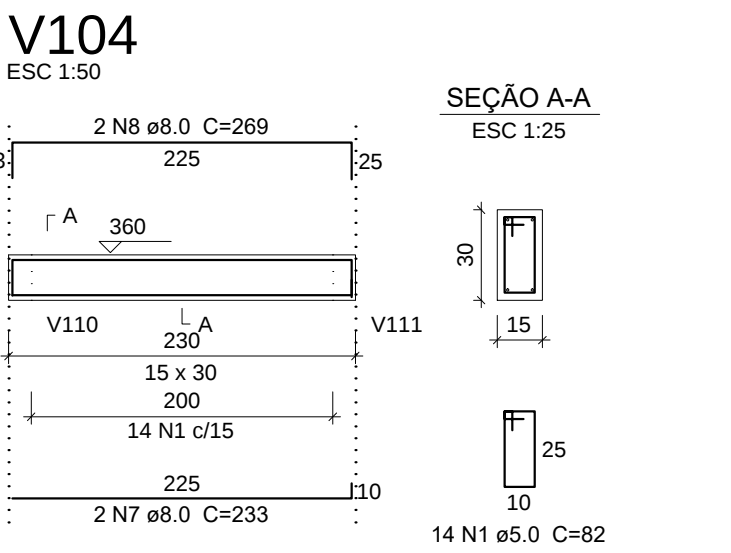
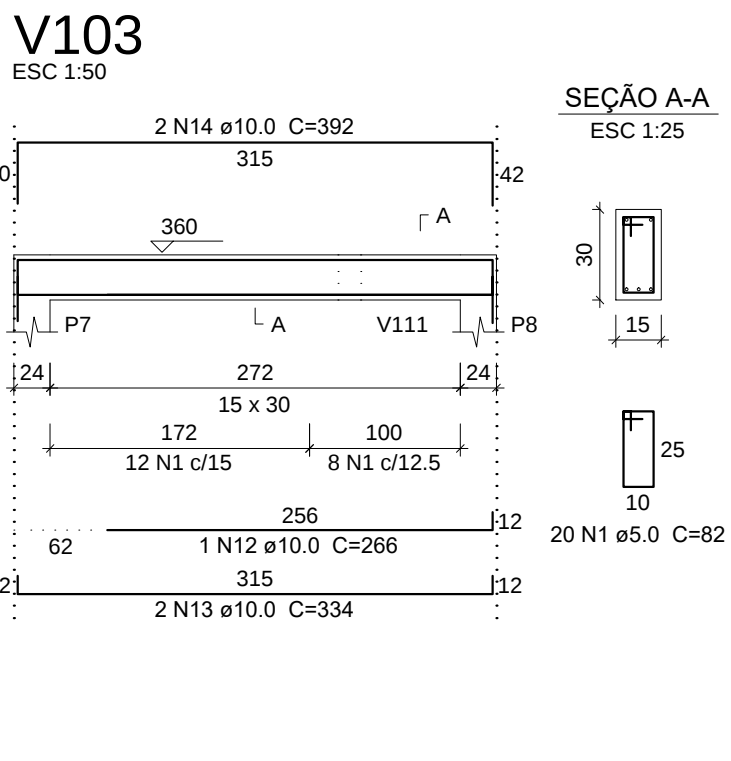
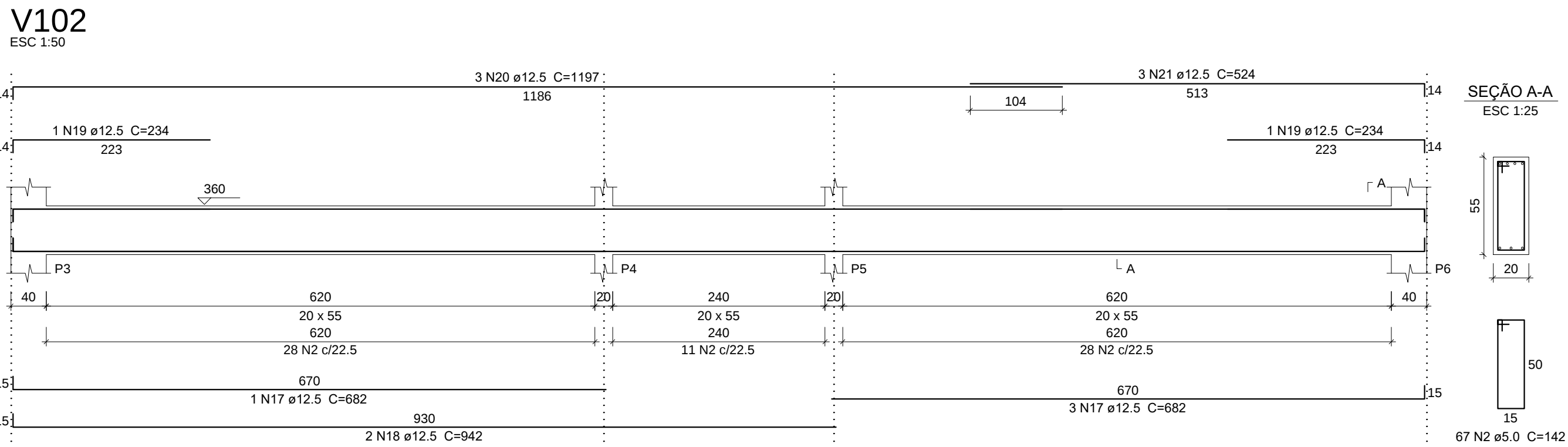
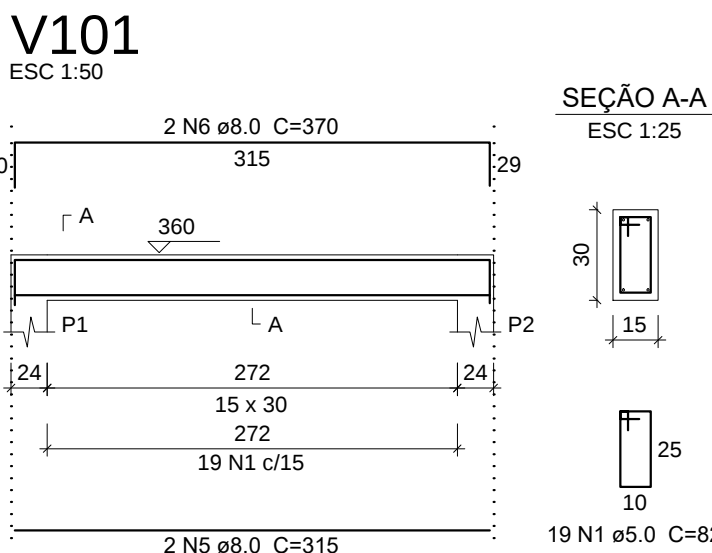
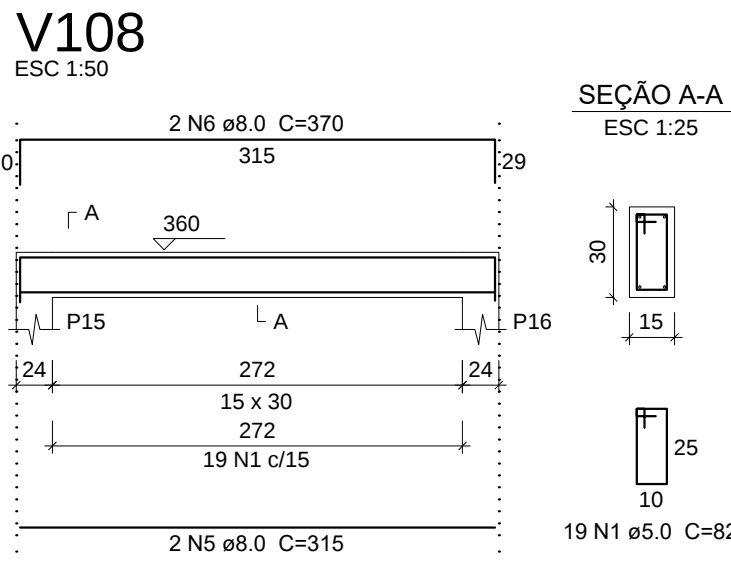
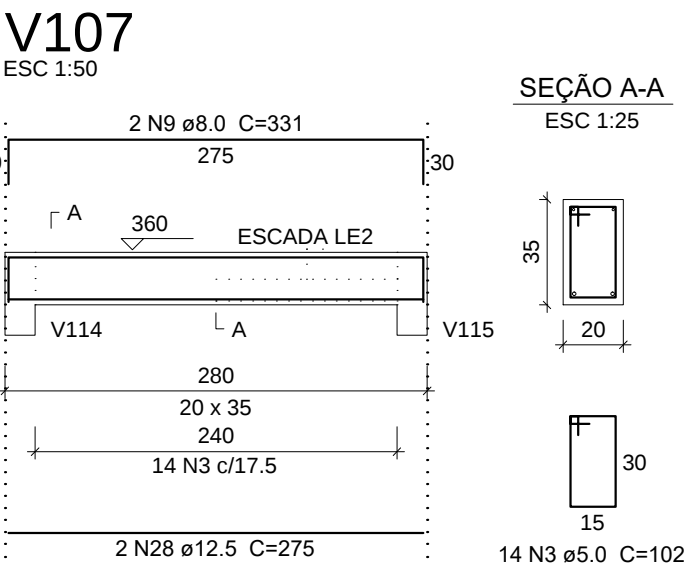
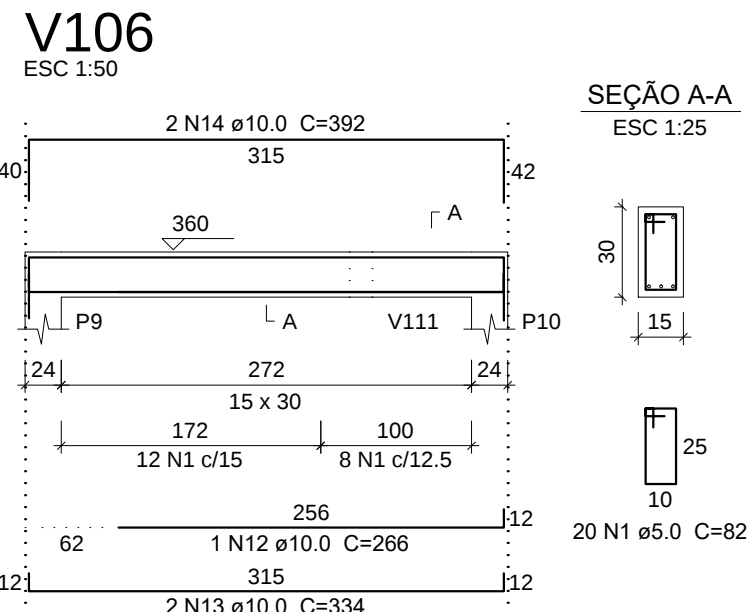
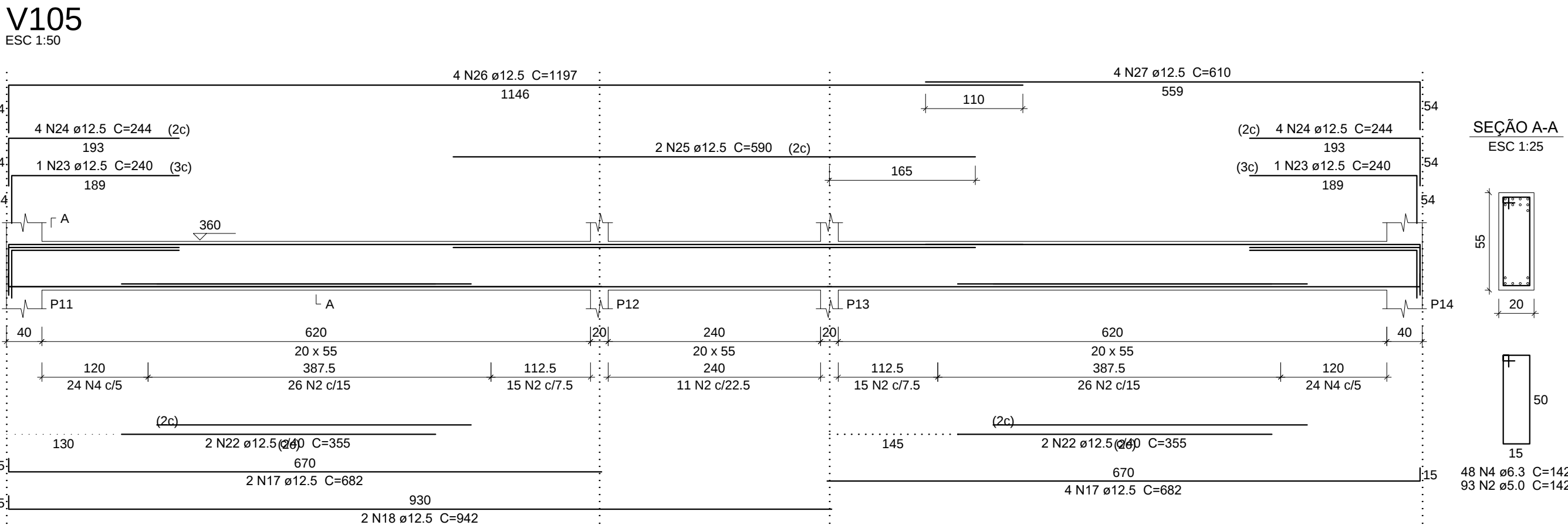


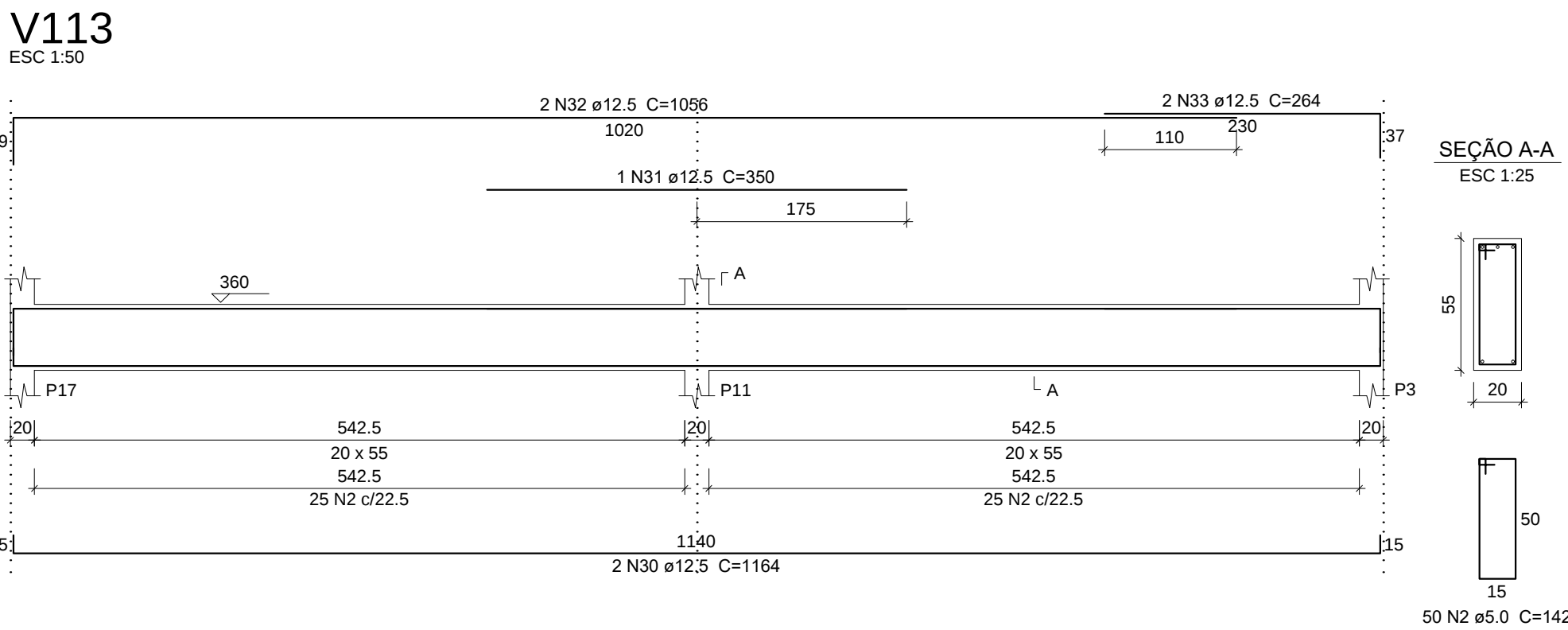
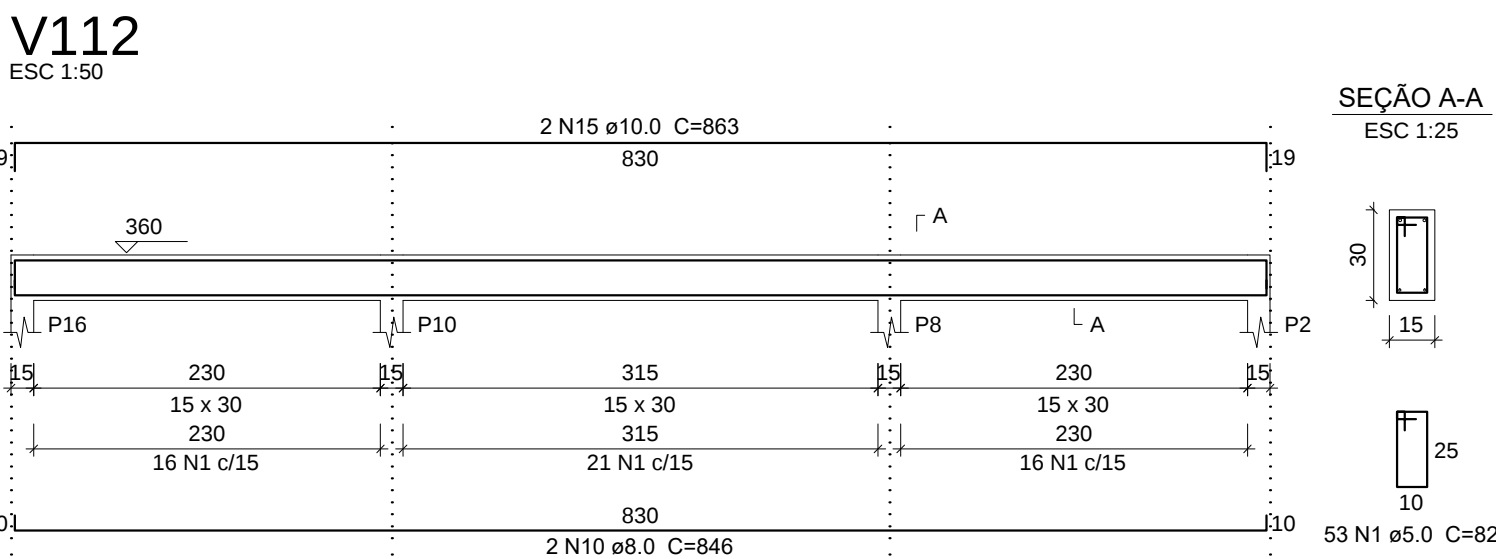
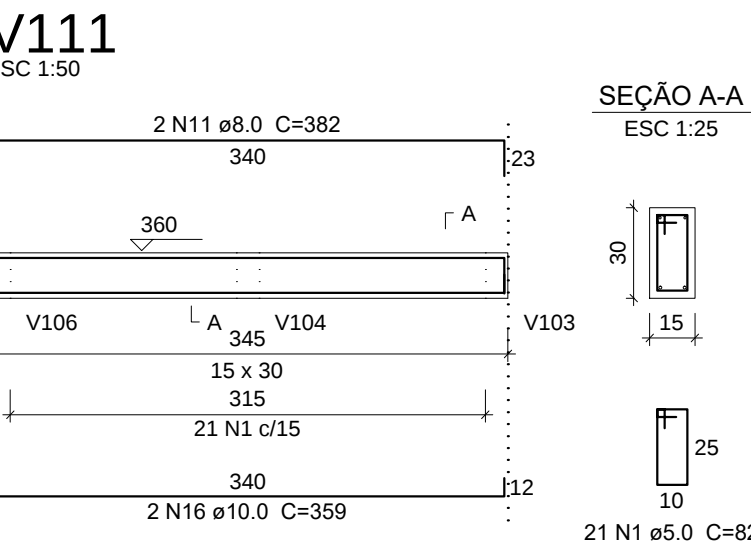
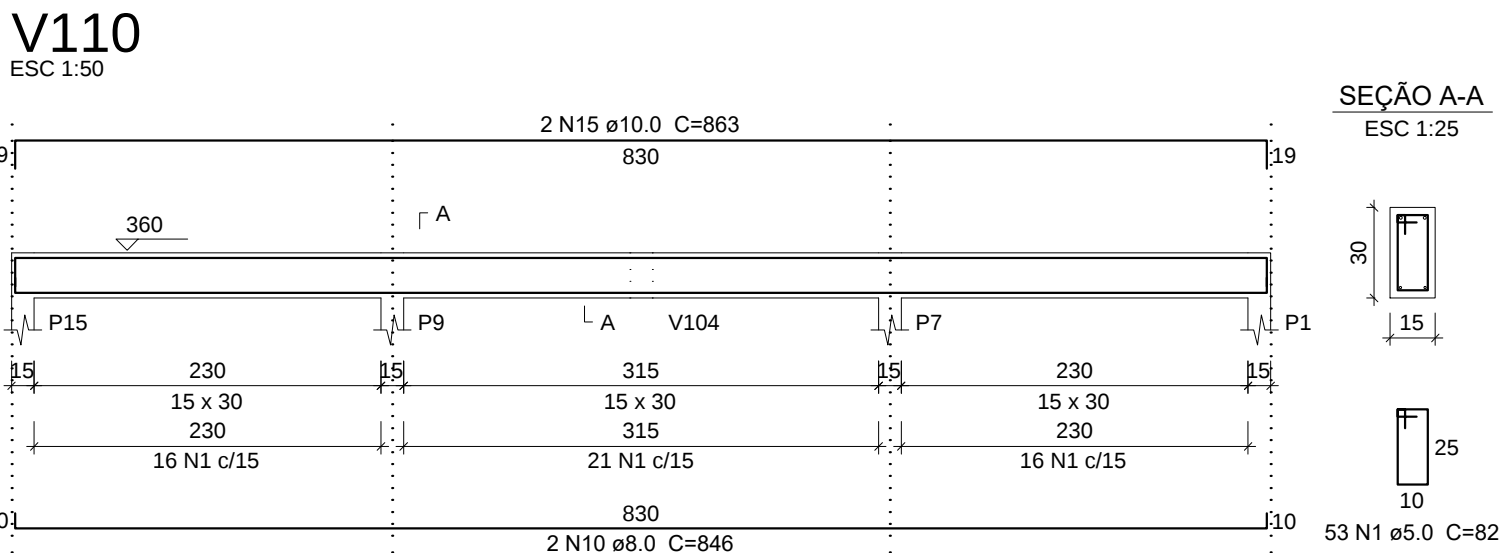
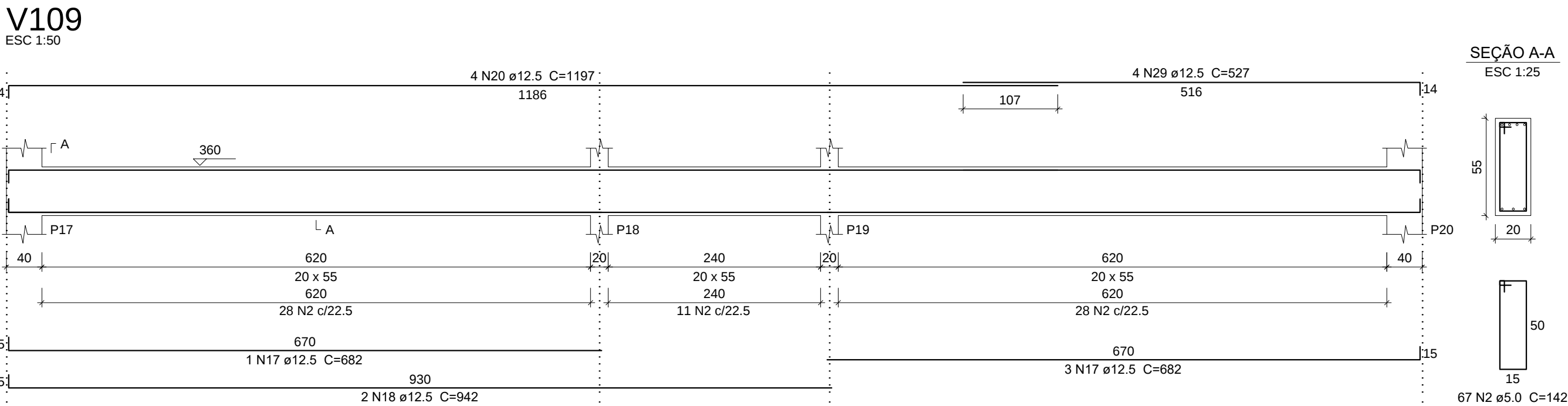


Relação do aço					
	V101	V102	V103		
	V104	V105	V106		
	V107	V108	V109		
	V110	V111	V112		
	V113				
ÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	219	82	17958
	2	5.0	277	142	39334
	3	5.0	14	102	1428
	4	6.3	48	142	6816
	5	8.0	4	315	1260
	6	8.0	4	370	1480
	7	8.0	2	233	466
	8	8.0	2	269	538
	9	8.0	2	331	662
	10	8.0	4	846	3394
CA50	11	8.0	2	382	764
	12	10.0	2	266	532
	13	10.0	4	334	1336
	14	10.0	4	392	1568
	15	10.0	4	863	3452
	16	10.0	2	359	718
	17	12.5	14	682	9548
	18	12.5	6	942	5652
	19	12.5	2	234	468
	20	12.5	7	1197	8379
	21	12.5	3	524	1572
	22	12.5	4	355	1420
	23	12.5	2	240	480
	24	12.5	8	244	1952
	25	12.5	2	590	1180
	26	12.5	4	1197	4788
	27	12.5	4	610	2440
	28	12.5	2	275	550
	29	12.5	4	527	2108
	30	12.5	2	1164	2328
	31	12.5	1	350	350
	32	12.5	2	1056	2112
	33	12.5	2	264	528



Resumo do aço			
ÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	68.2	18.3
	8.0	85.6	37.1
	10.0	76.1	51.6
	12.5	458.6	485.9
CA60	5.0	587.2	99.6
PESO TOTAL			
CA50	593		
CA60	99.6		

Vol. de concreto total (C-20) = 8.32 m³
Área de forma total = 106.24 m²



PROJETO			
0A	12/01/2021	DJAP	EMISSION INICIAL
REVISÃO	DATA	AUTOR	DESCRIÇÃO
IDENTIFICAÇÃO: PPG-2101-EST-EX-01-A1			ÁREA: 210.00 M2
TÍTULO: PROJETO DE AMPLIAÇÃO DA E. M. PINGO DE GENTE			USO: ESCOLAR
CONTEUDO: ARMAÇÃO DAS VIGAS DO 1 PAVTO			ART Nº:
			ESCALA: INDICADA
RESPONSÁVEIS			
PROPRIETÁRIO:		CNPJ: 17.980.392/0001-03	
PREFEITURA MUNICIPAL DE PIRACEMA-MG			
RESPONSÁVEL TÉCNICO:		CREA/MG: 201.765/D	
DOUGLAS JUNIO ALCANTARA PENNA			
COMO RT DECLARO QUE O PROJETO ORA APRESENTADO ATENDE A LEGISLAÇÃO VIGENTE			
TPO: NOME ARQUIVO: PPG-EST-EX-01		FOLHA: 05/08	