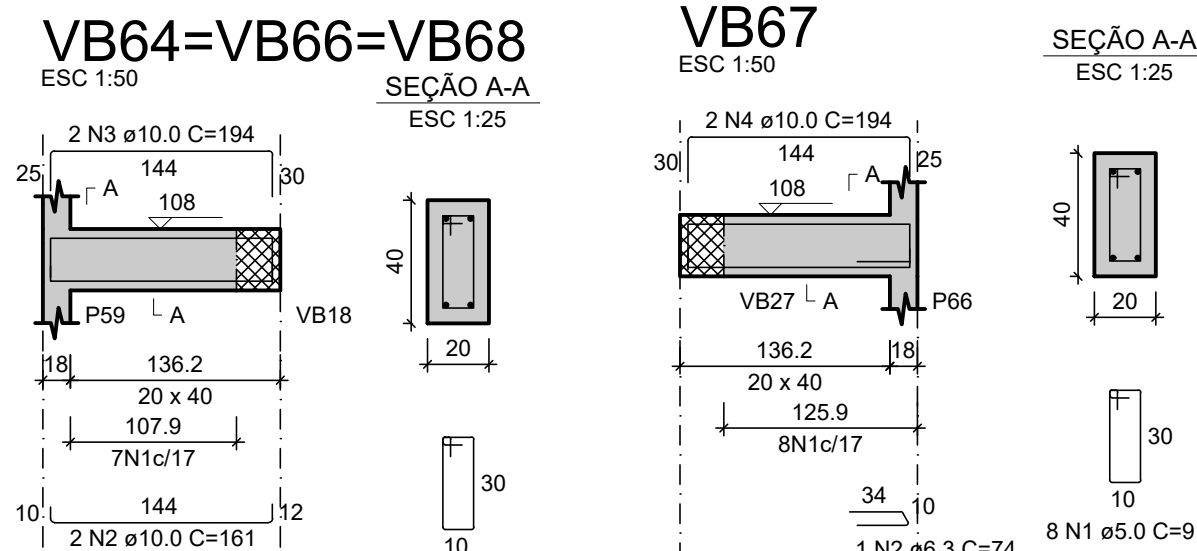
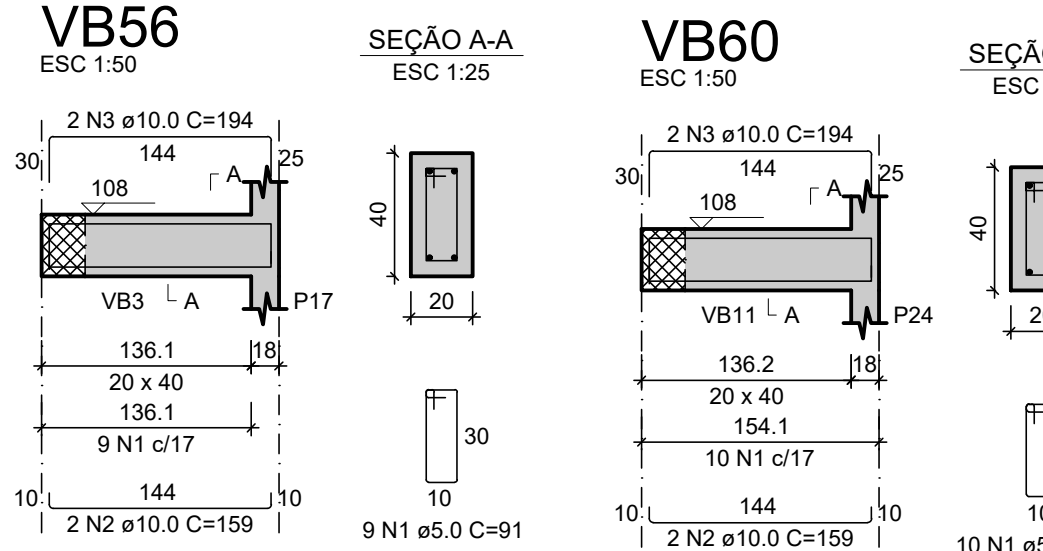
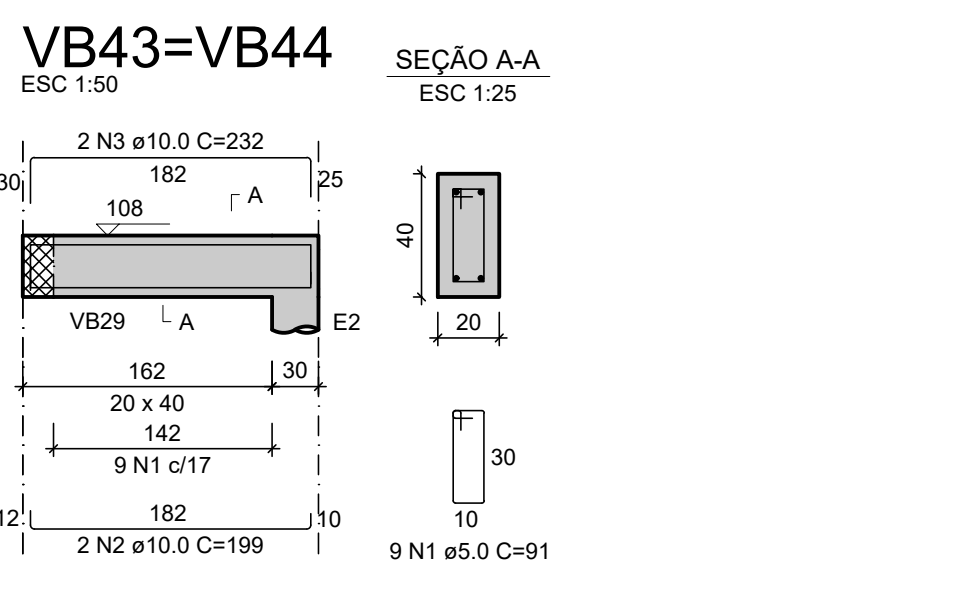
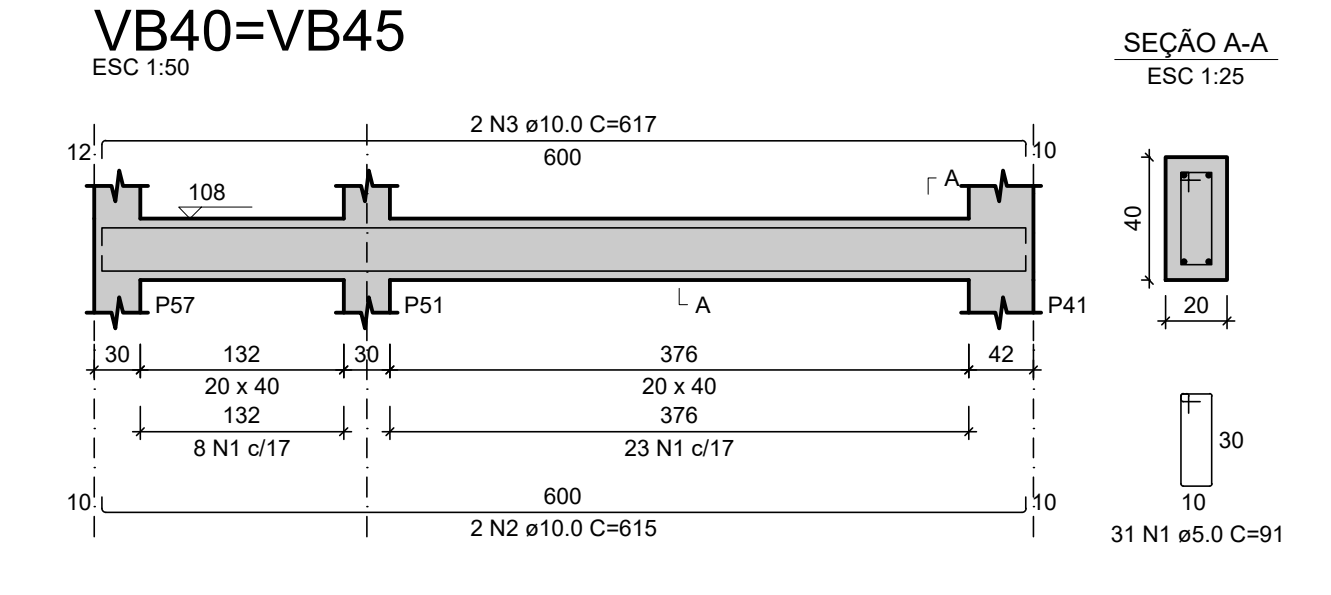
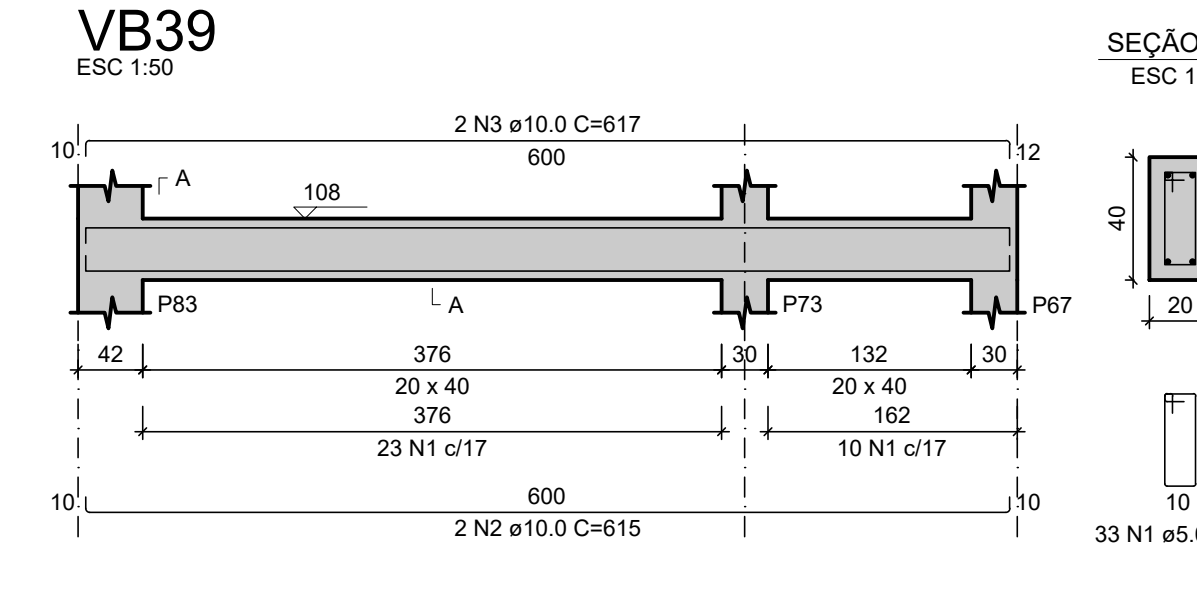
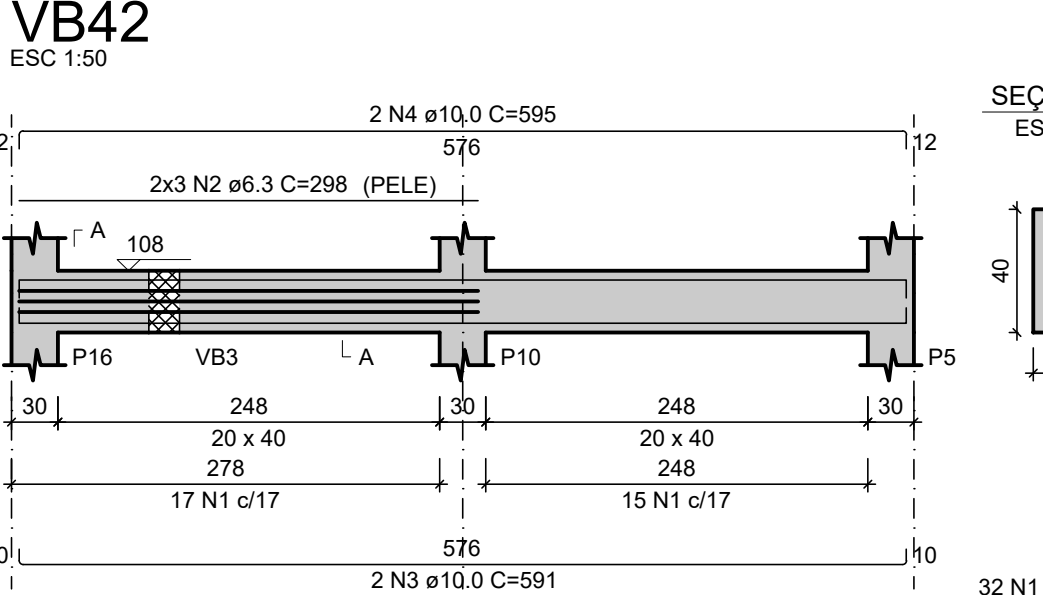
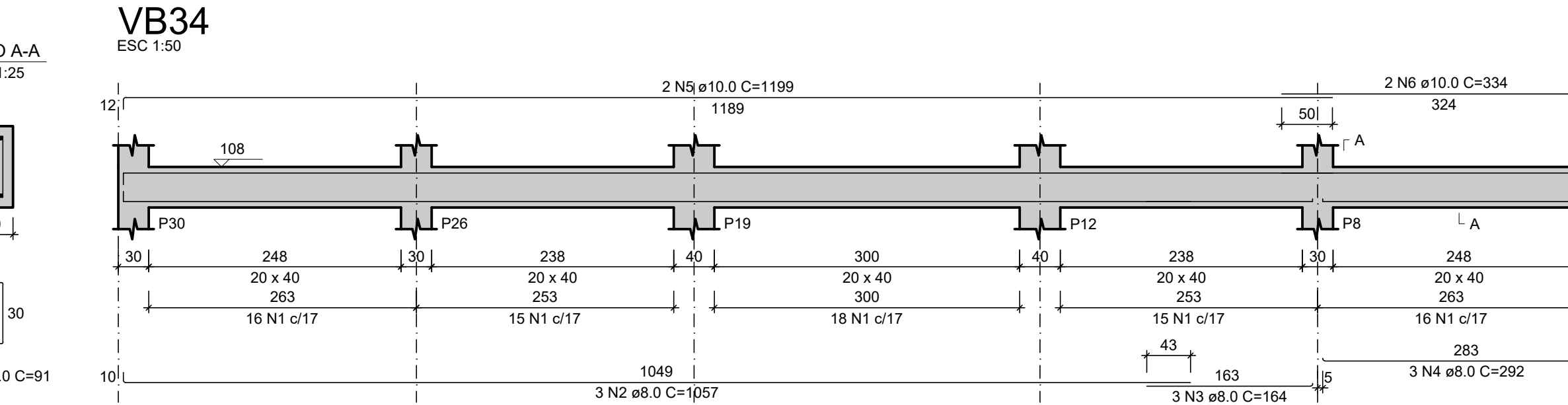
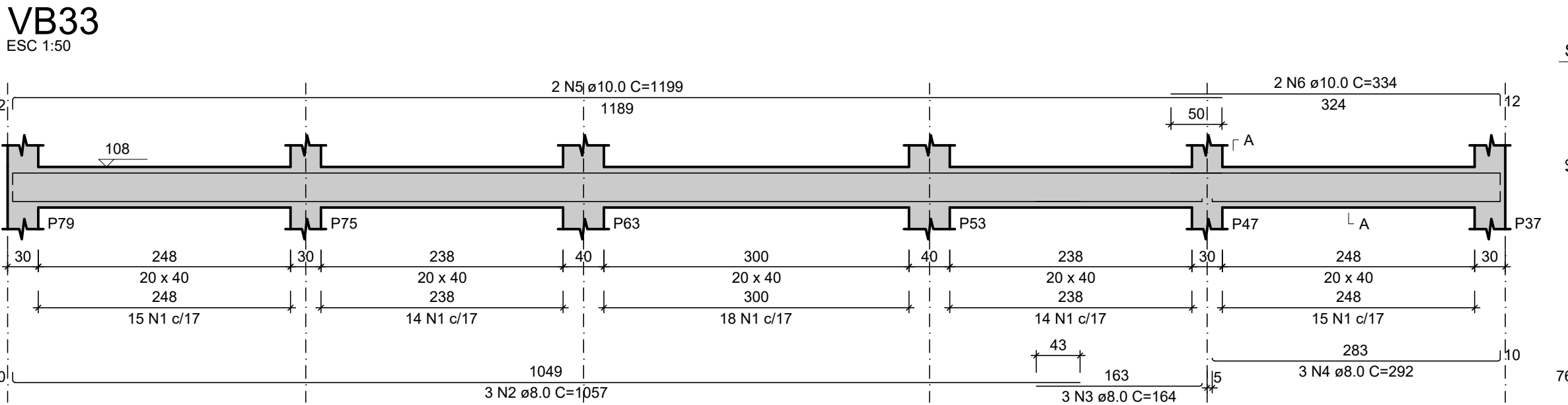
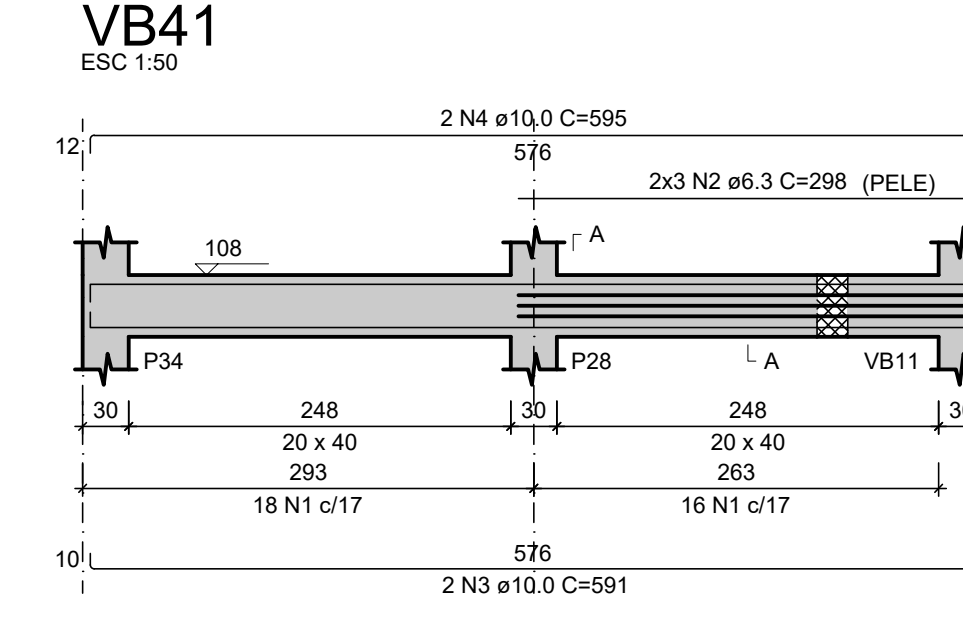
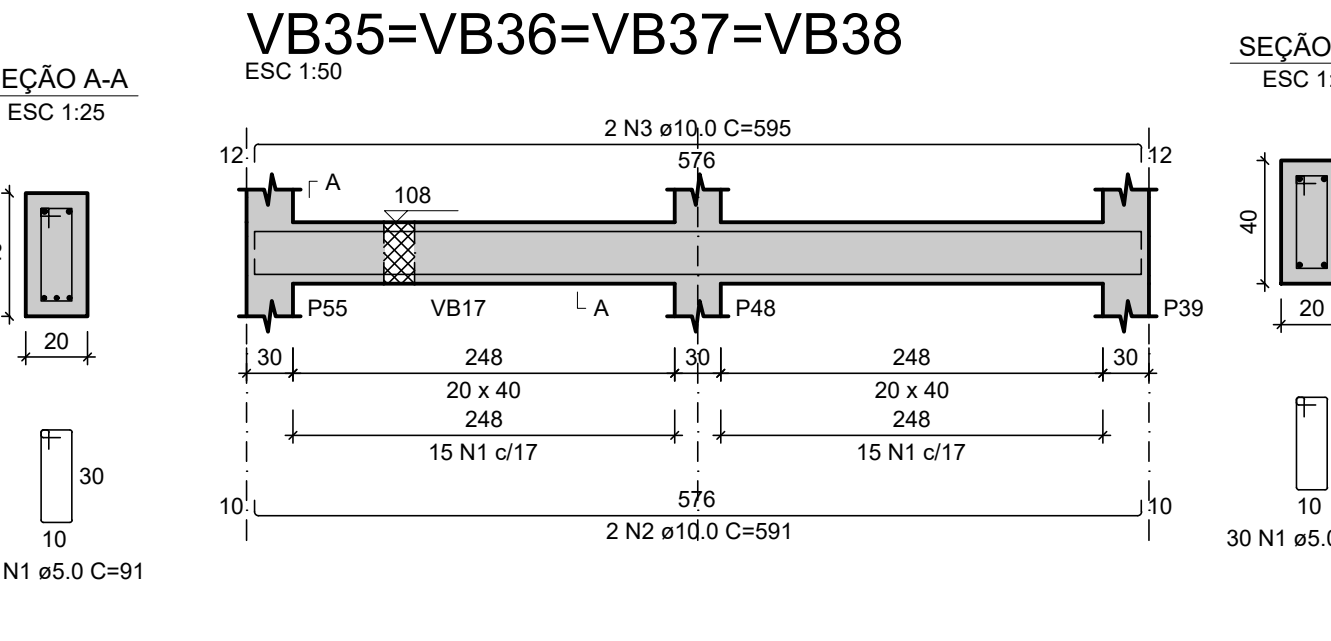
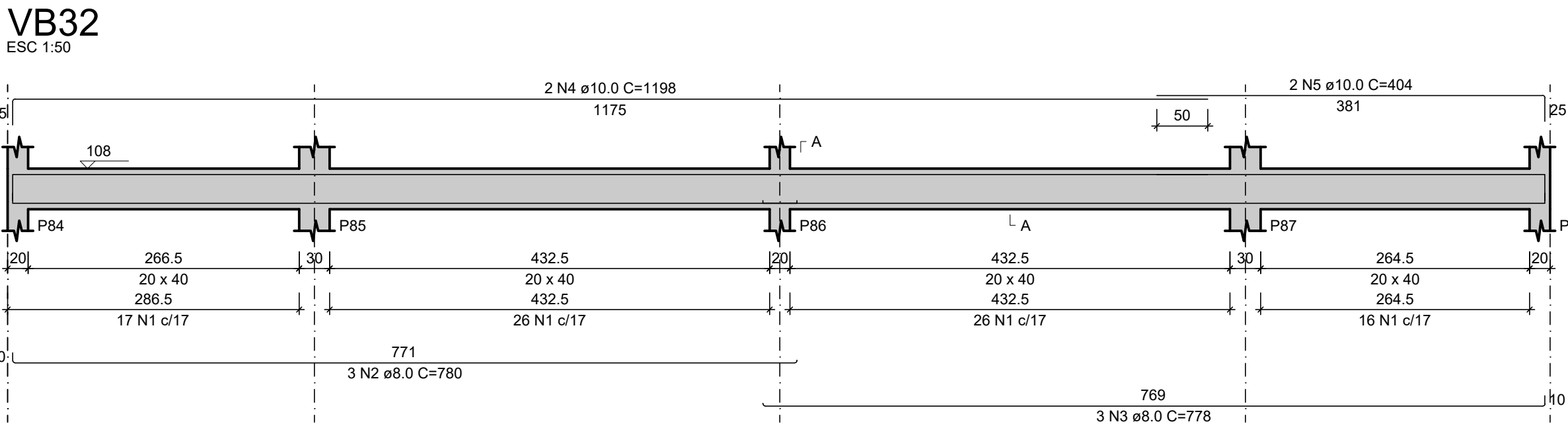
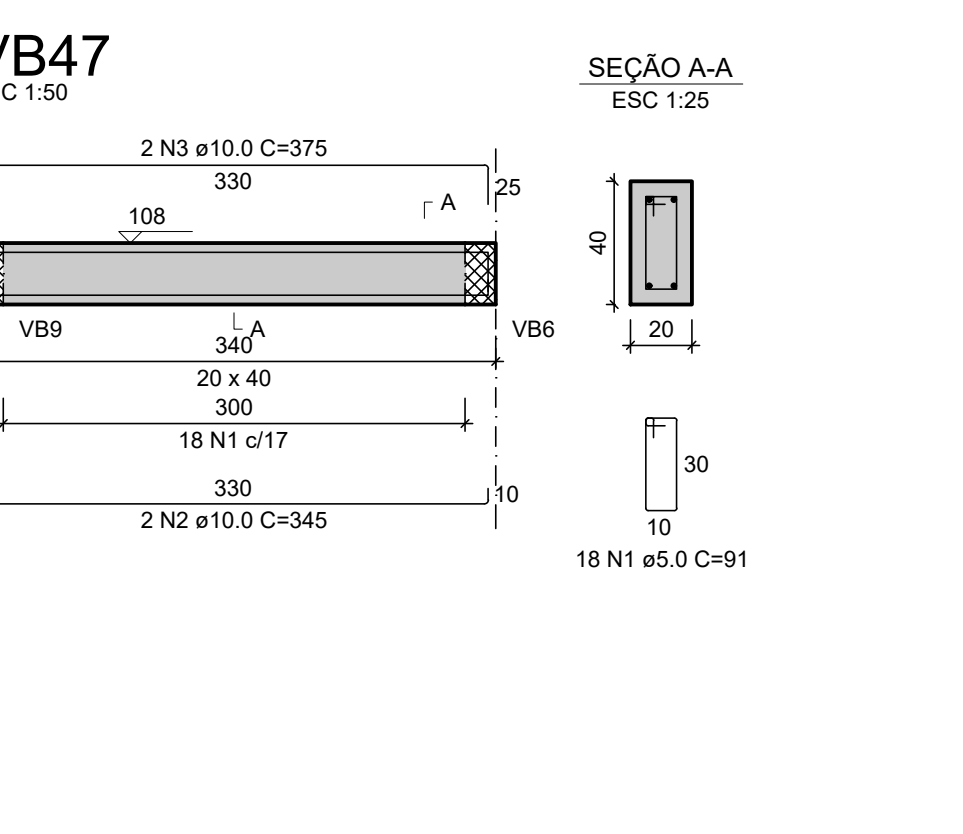
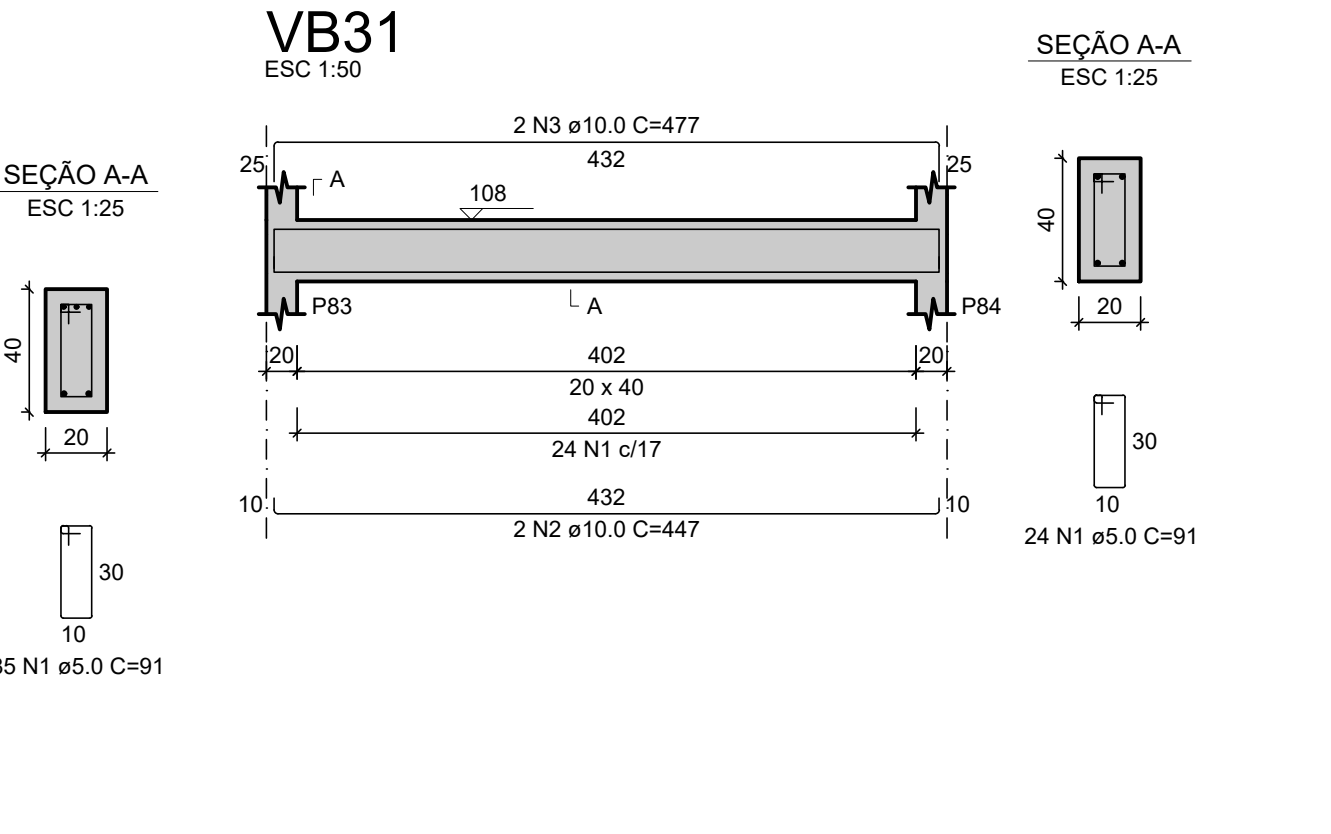
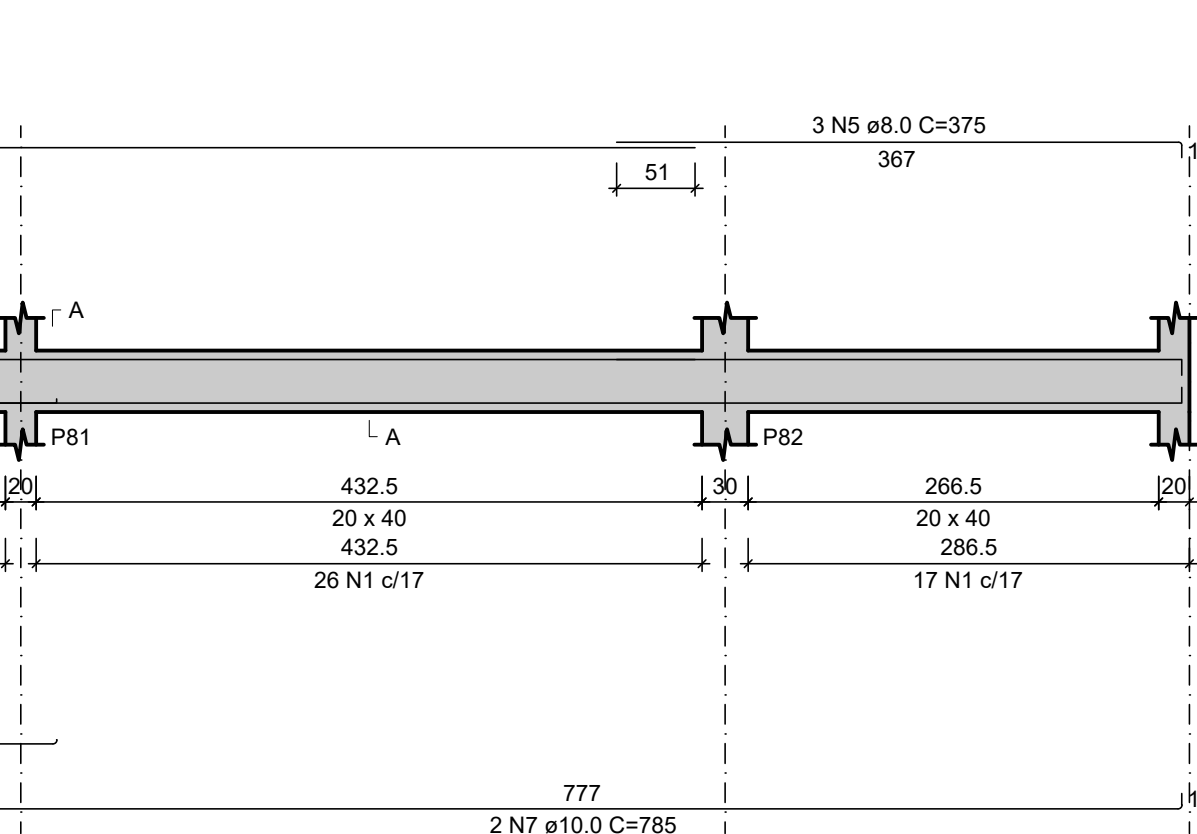
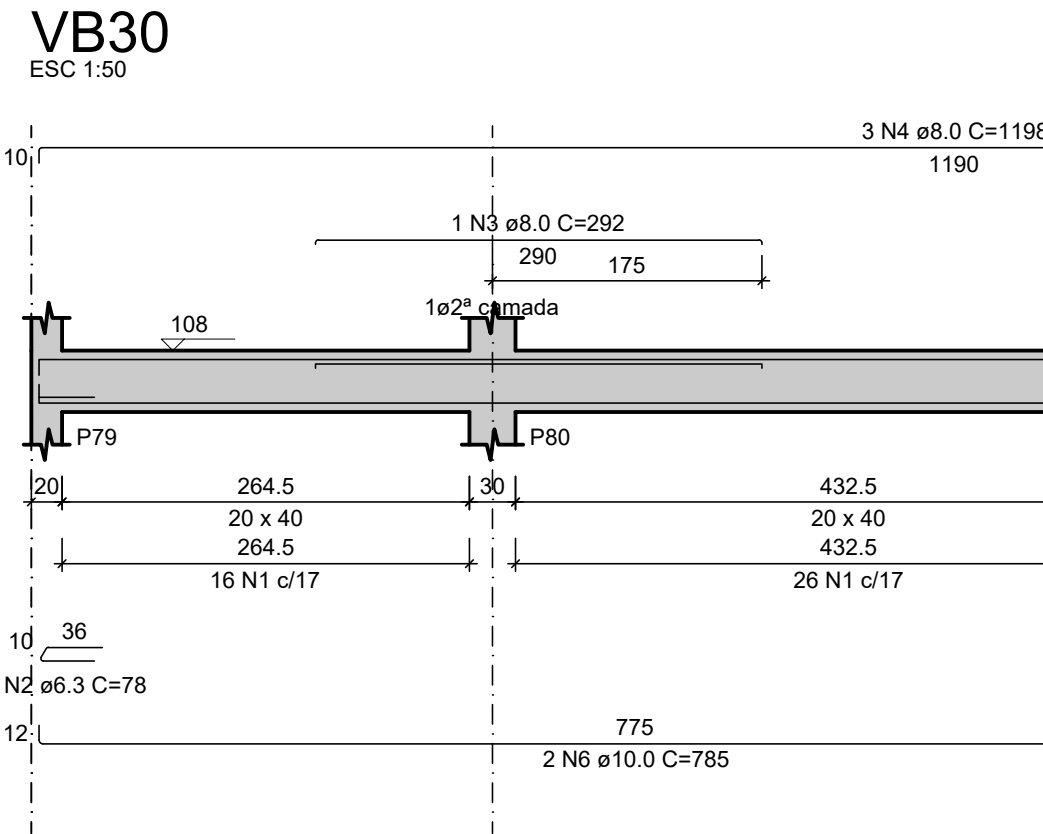
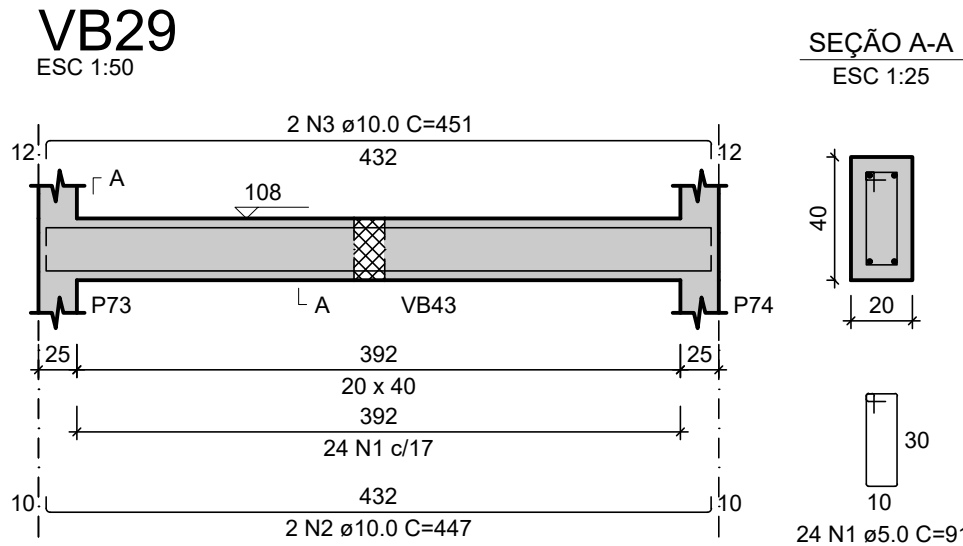
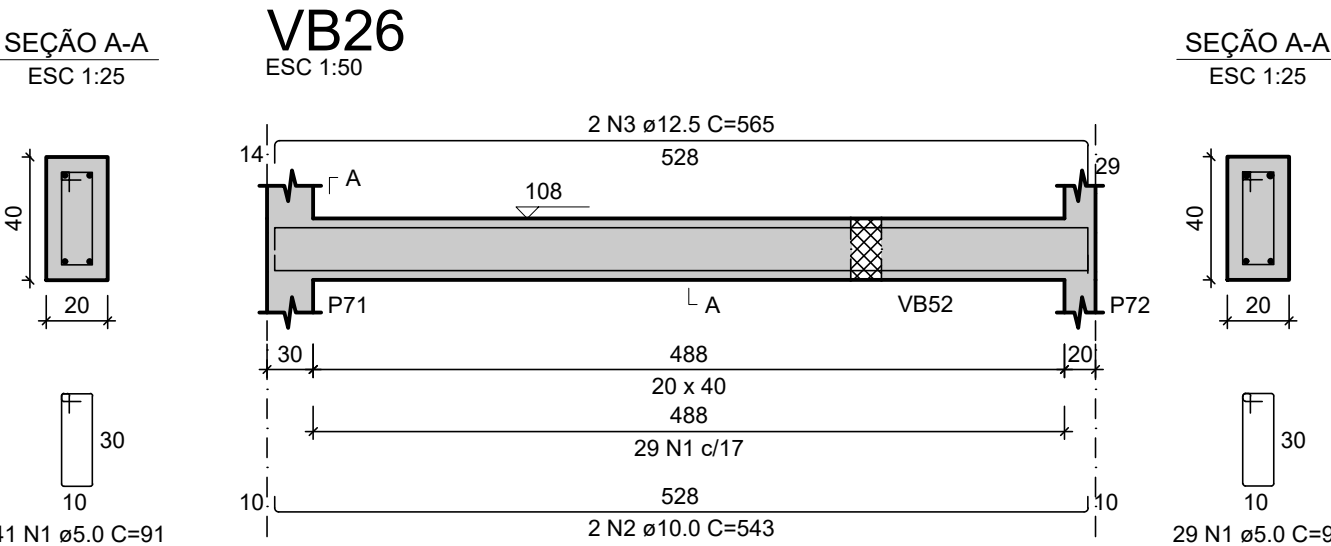
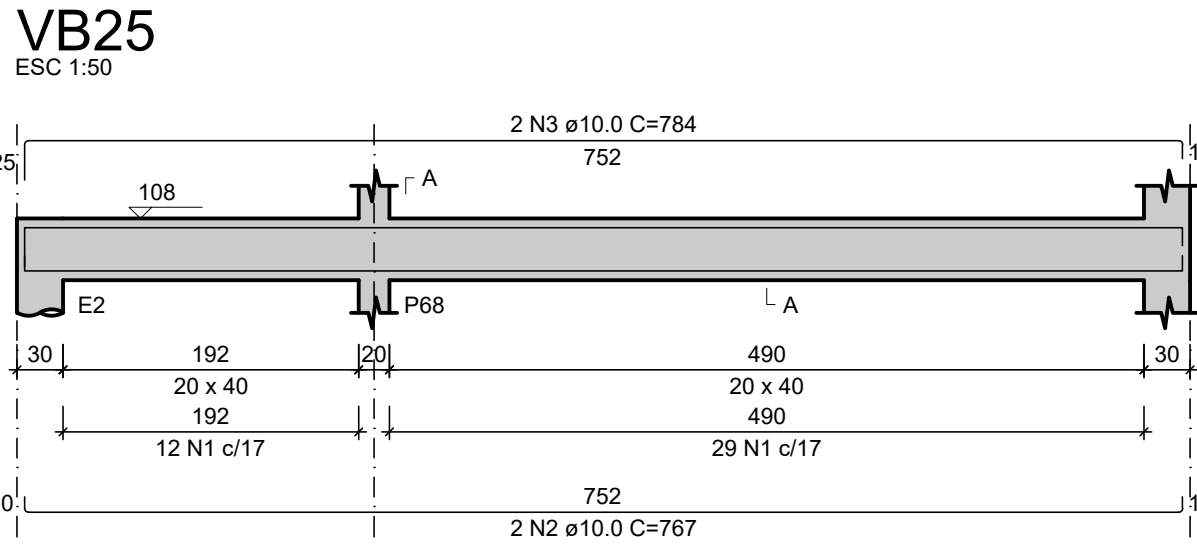
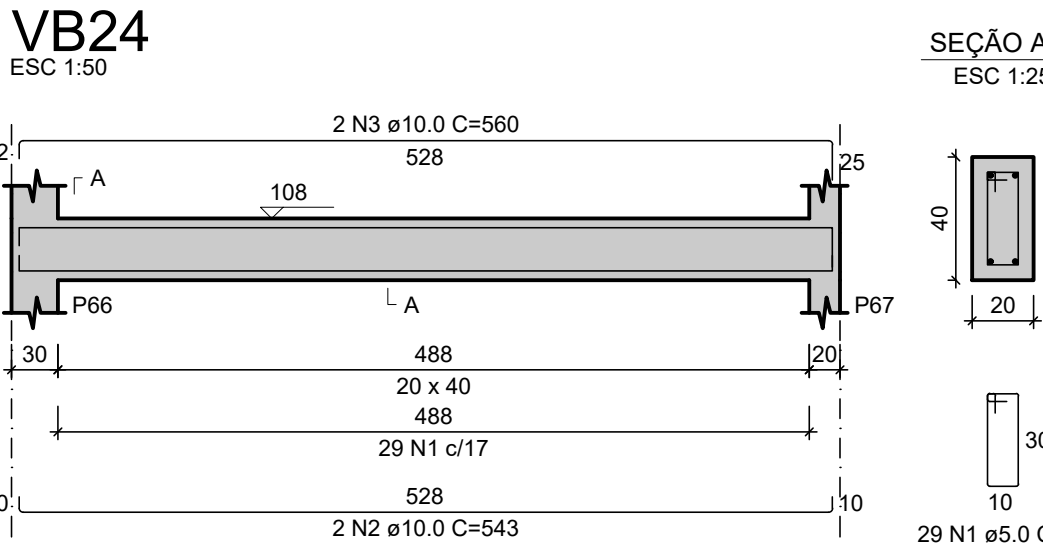


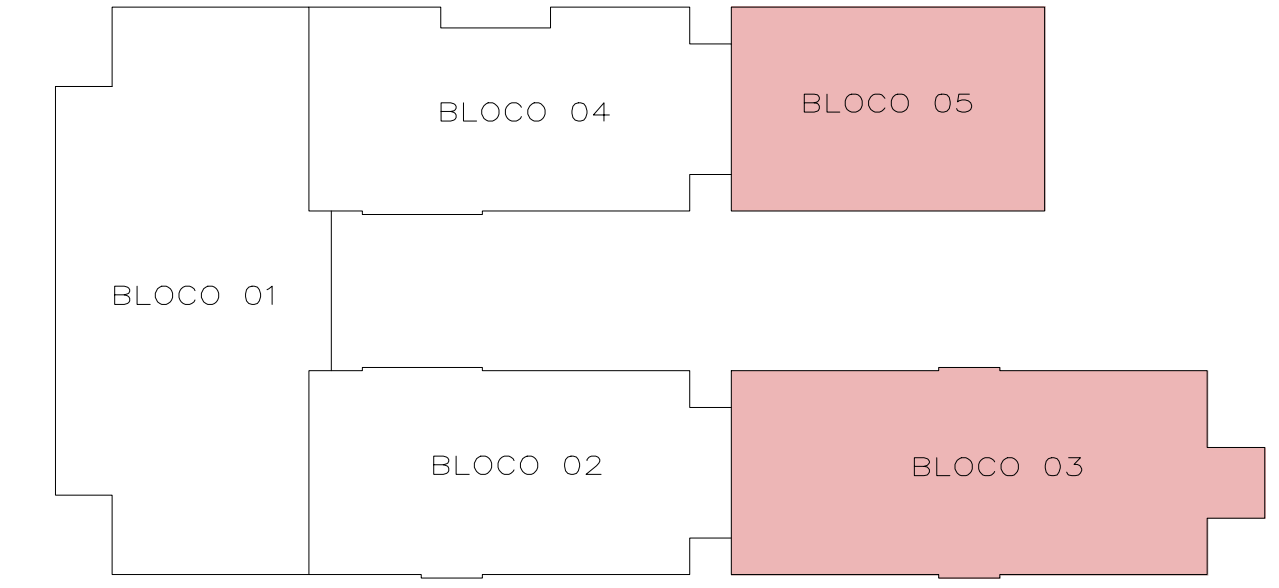


RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VB24	CA60	1	5.0	29	91	2639
	CA50	2	10.0	2	543	1086
	CA50	3	10.0	2	560	1120
VB25	CA60	1	5.0	41	91	3731
	CA50	2	10.0	2	767	1534
	CA50	3	10.0	2	784	1568
VB26	CA60	1	5.0	29	91	2639
	CA50	2	10.0	2	543	1086
	CA50	3	12.5	2	565	1130
VB29	CA60	1	5.0	24	91	2184
	CA50	2	10.0	2	447	894
	CA50	3	8.0	1	292	292
VB30	CA60	1	5.0	85	91	7735
	CA50	2	10.0	2	447	894
	CA50	3	6.3	1	78	78
VB31	CA60	1	5.0	24	91	2184
	CA50	2	10.0	2	447	894
	CA50	3	10.0	2	477	954
VB32	CA60	1	5.0	85	91	7735
	CA50	2	8.0	3	780	2340
	CA50	3	8.0	3	778	2334
VB33	CA60	1	5.0	76	91	6916
	CA50	2	8.0	3	1057	3171
	CA50	3	8.0	3	164	492
VB34	CA60	1	5.0	80	91	7280
	CA50	2	8.0	3	1057	3171
	CA50	3	8.0	3	164	492
4xVB36	CA60	1	5.0	120	91	10920
	CA50	2	10.0	8	591	4728
	CA50	3	10.0	8	595	4760
VB39	CA60	1	5.0	33	91	3003
	CA50	2	10.0	2	615	1230
	CA50	3	10.0	2	617	1234
2xVB40	CA60	1	5.0	62	91	5642
	CA50	2	10.0	4	615	2460
	CA50	3	10.0	4	617	2468
VB41	CA60	1	5.0	34	91	3094
	CA50	2	6.3	6	298	1788
	CA50	3	10.0	2	591	1182
VB42	CA60	1	5.0	32	91	2912
	CA50	2	6.3	6	298	1788
	CA50	3	10.0	2	591	1182
2xVB43	CA60	1	5.0	18	91	1638
	CA50	2	10.0	2	595	1190
	CA50	3	10.0	2	595	1190
VB47	CA60	1	5.0	18	91	1638
	CA50	2	10.0	4	199	796
	CA50	3	10.0	4	232	928
VB56	CA60	1	5.0	18	91	1638
	CA50	2	10.0	2	345	690
	CA50	3	10.0	2	375	750
VB60	CA60	1	5.0	9	91	819
	CA50	2	10.0	2	159	318
	CA50	3	10.0	2	194	388
3xVB64	CA60	1	5.0	10	91	910
	CA50	2	10.0	2	159	318
	CA50	3	10.0	2	194	388
VB67	CA60	1	5.0	21	91	1911
	CA50	2	10.0	6	161	966
	CA50	3	10.0	6	194	1164
	CA60	1	5.0	8	91	728
	CA50	2	6.3	1	74	74
	CA50	3	10.0	2	163	326
	CA50	4	10.0	2	194	388

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	37.3	10
	8.0	187.6	81.4
	10.0	515.6	349.7
	12.5	11.3	12
CA60	5.0	762.6	129.3

PESO TOTAL (kg)
CA50 453.1
CA60 129.3

Volume de concreto (C-30) = 10.91 m³
Área de forma = 137.11 m²



JOSE VILMAR P. DE FRAGA
ARQUITETO E URBANISTA

BRUNO REBECHI DALLE MULLE
ENGENHEIRO CIVIL

ANA CAROLINA M. SANTOS
ARQUITETA E URBANISTA

HENRIQUE RODRIGUES DIAS
AUX. ENGENHEIRA CIVIL

	ESTADO DO RIO GRANDE DO SUL PREFEITURA MUNICIPAL DE IMBÉ AVENIDA PARAGUASSU, 2070 - CENTRO - IMBÉ - RS FONE: 51.3627.8515 - CEP: 95.625-000		
PROJETO	E. M. E. F. RUI BARBOSA NOVAS INSTALAÇÕES		
ADMINISTRAÇÃO 2025/2028	ENDEREÇO BAIRRO MARILUZ - IMBÉ - RS AVENIDA MARILUZ, 1180 TERRENO URBANO - SETOR 35	DESENHO BRUNO	ESCALA: INDICADAS
SECRETARIA MUNICIPAL DE EDUCAÇÃO emes@imbe.rs.gov.br	DATA: ABRIL 2025		
	ÁREA: 2.491,91m²		
	FRANQUIA: 44/56		
PROJETO ARMADURA DAS VIGAS DE BALDRAME - BLOCOS 03 E 05 - 02			