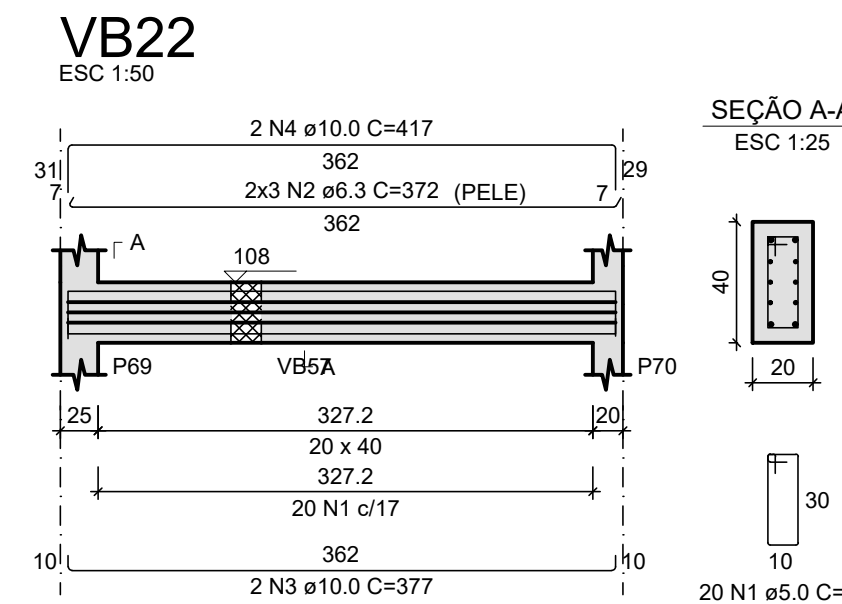
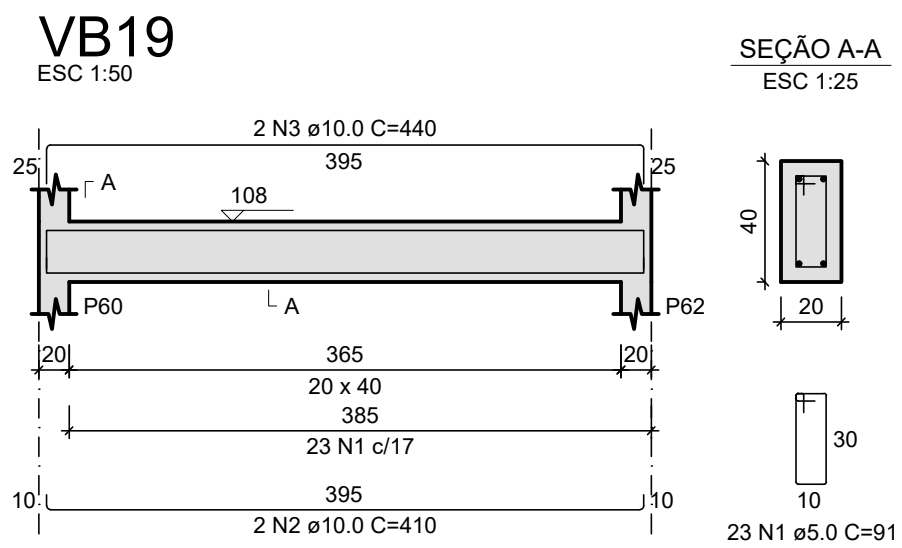
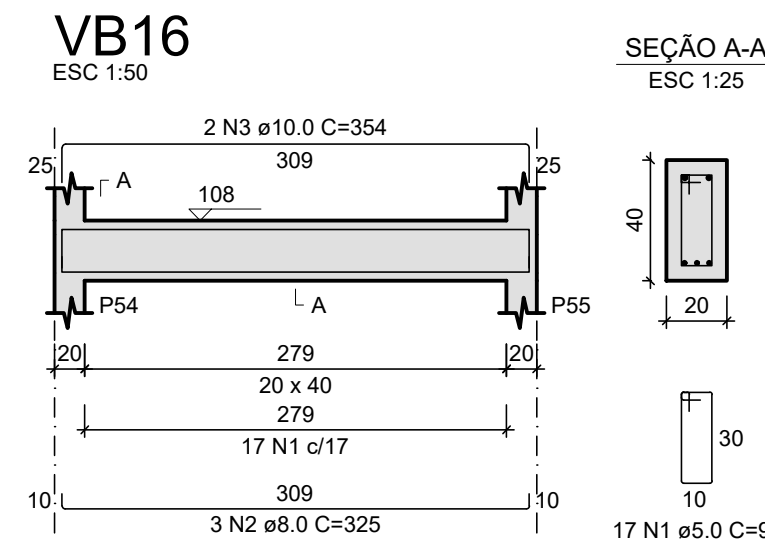
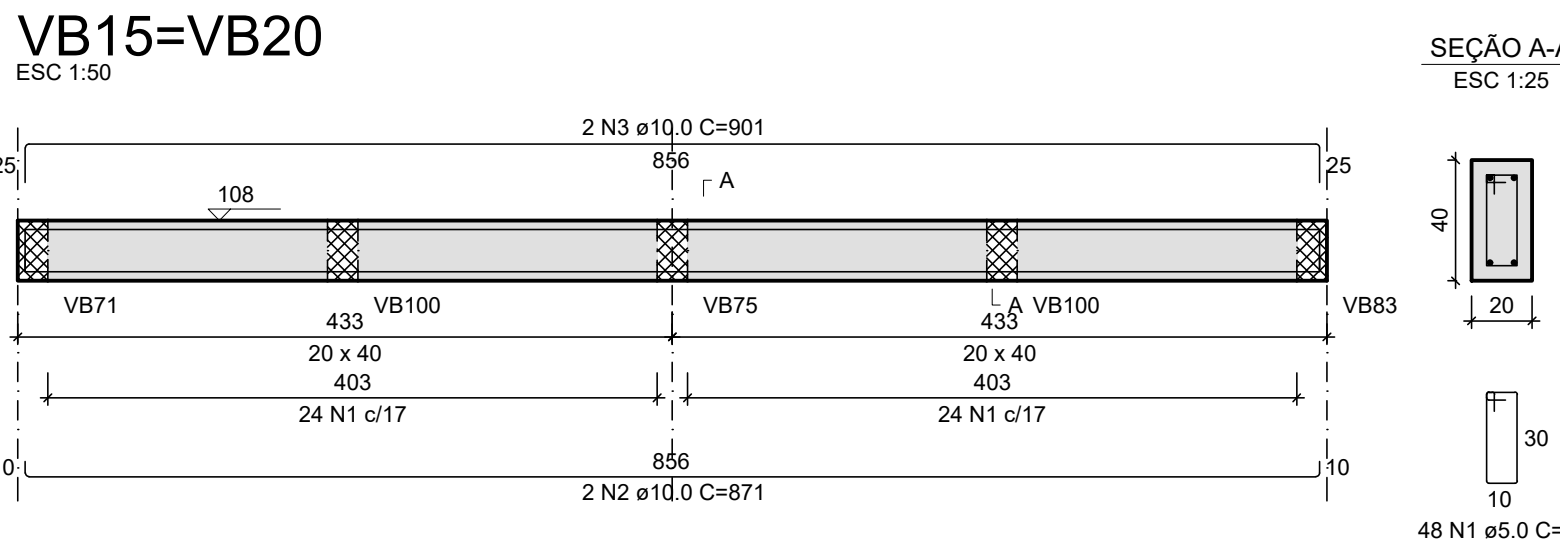
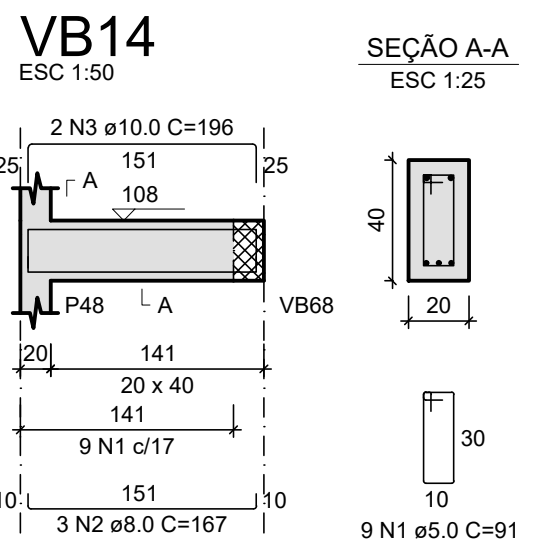
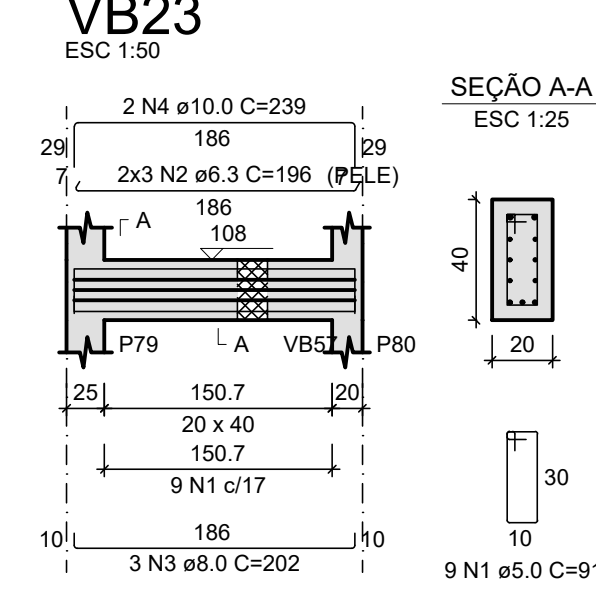
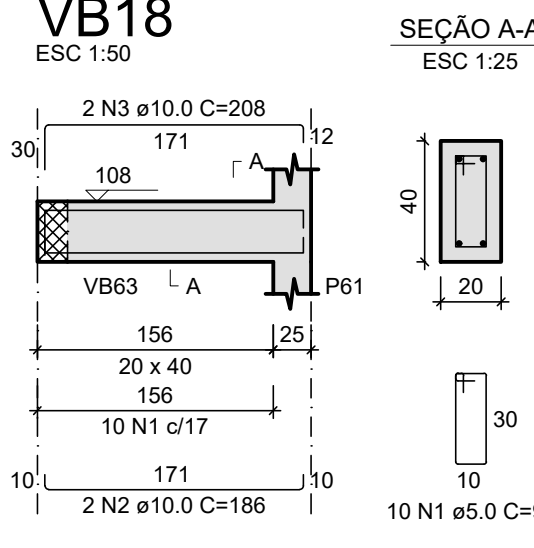
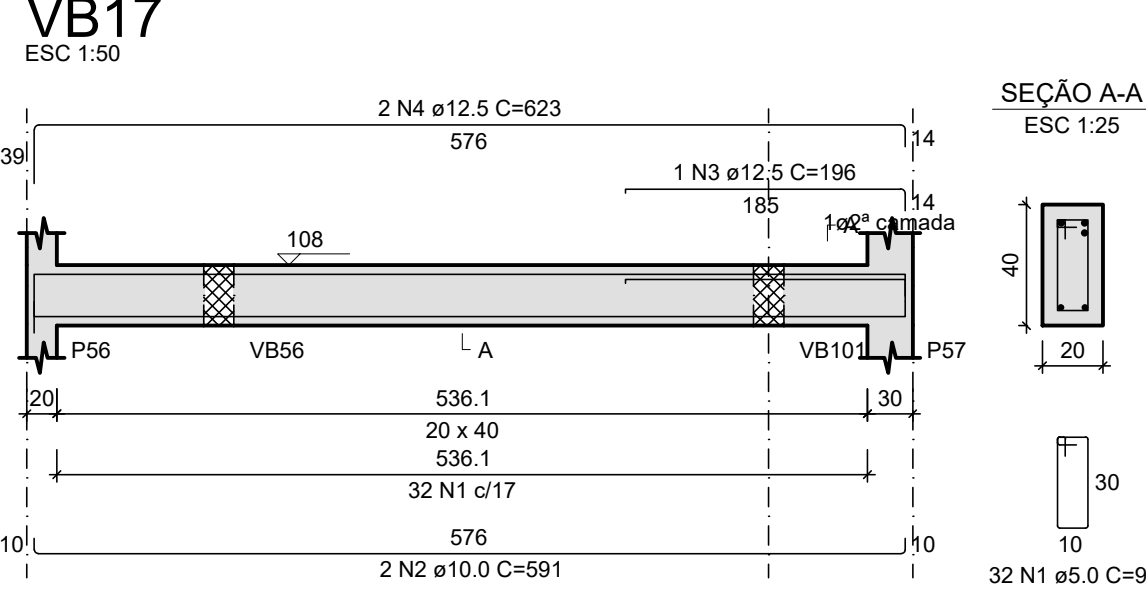
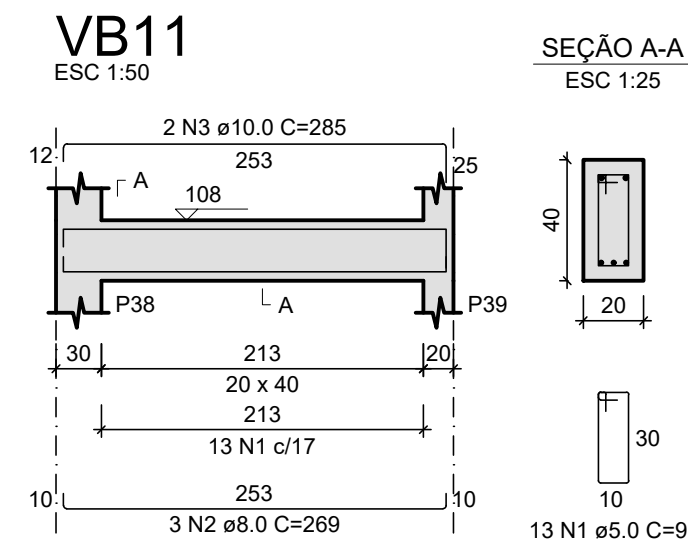
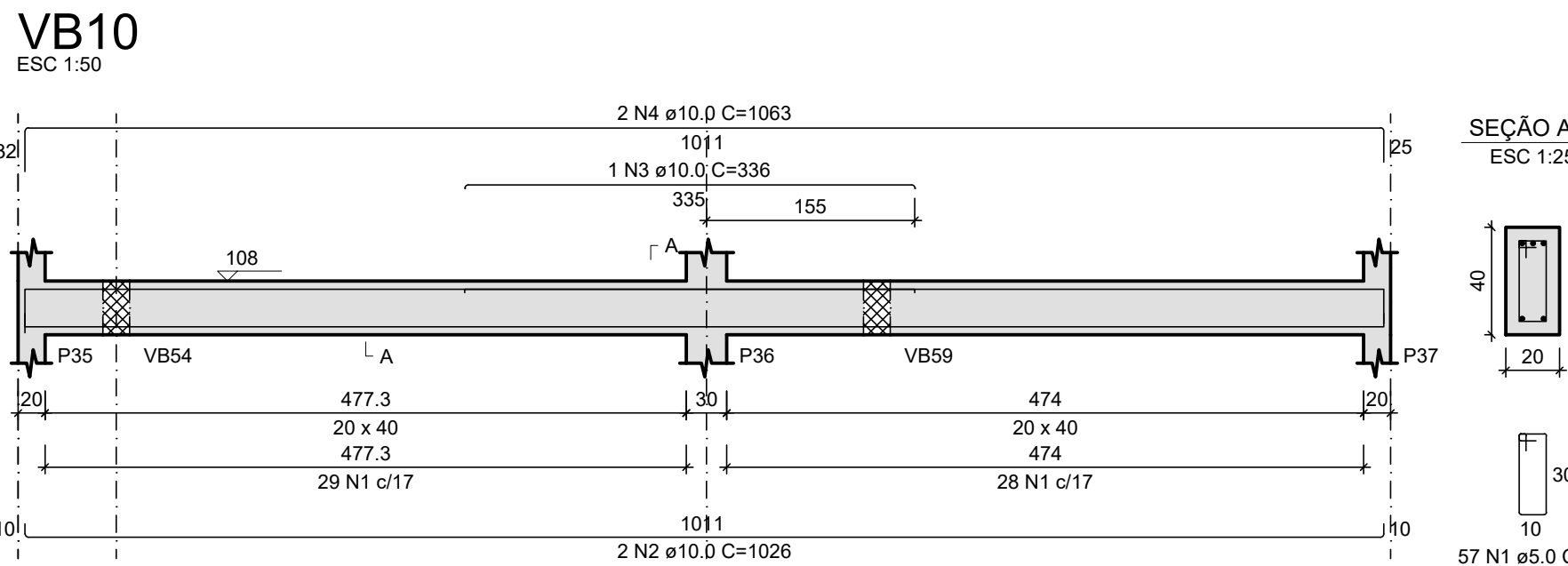
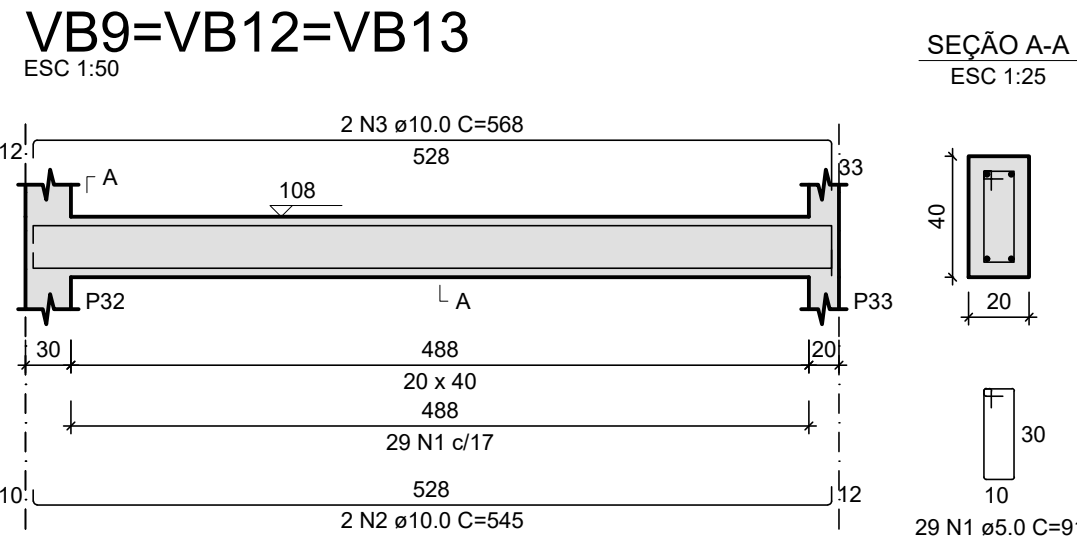
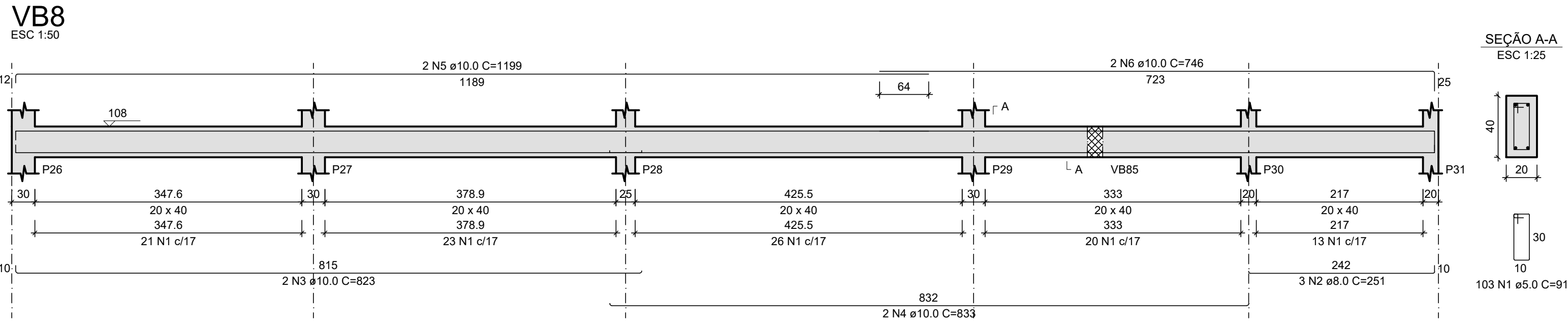
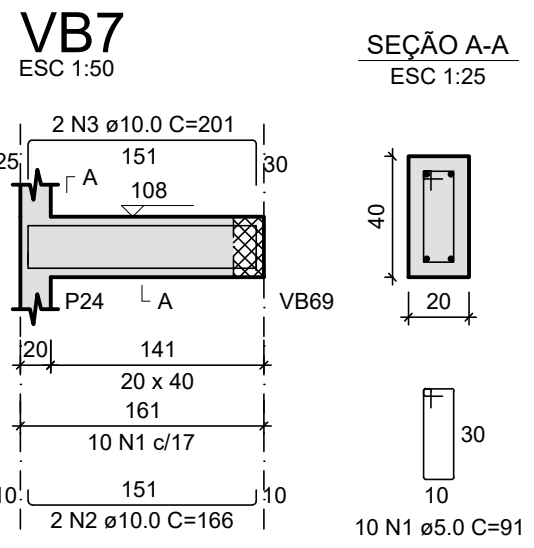
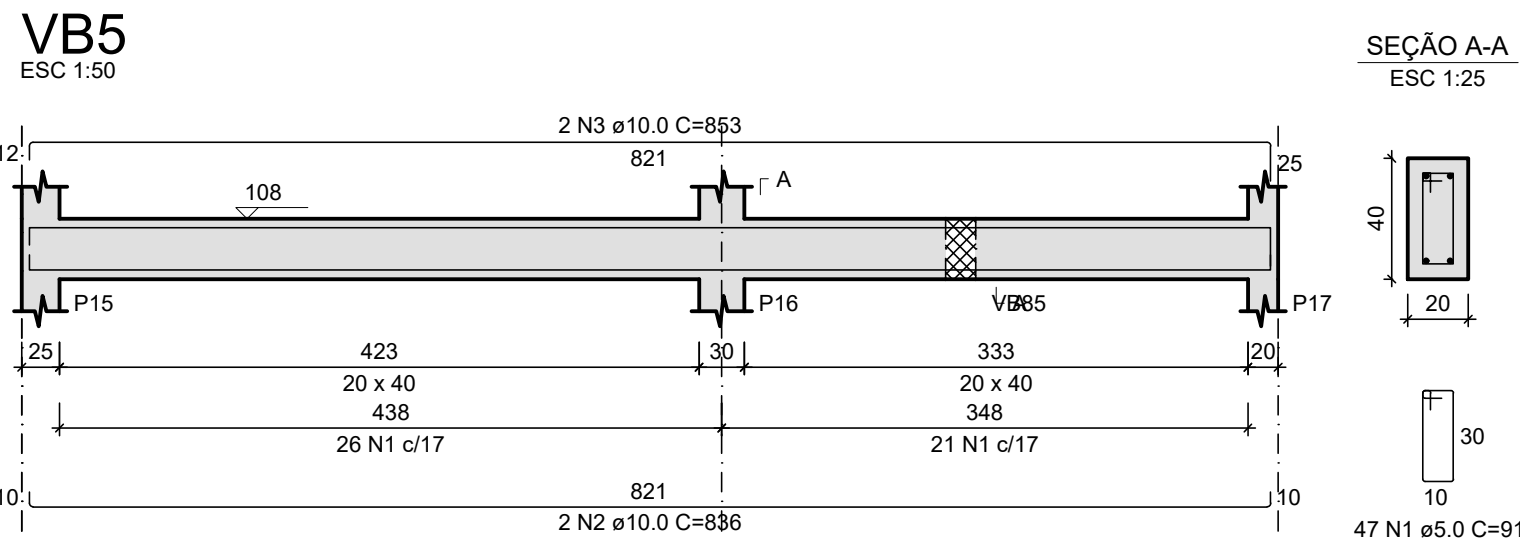
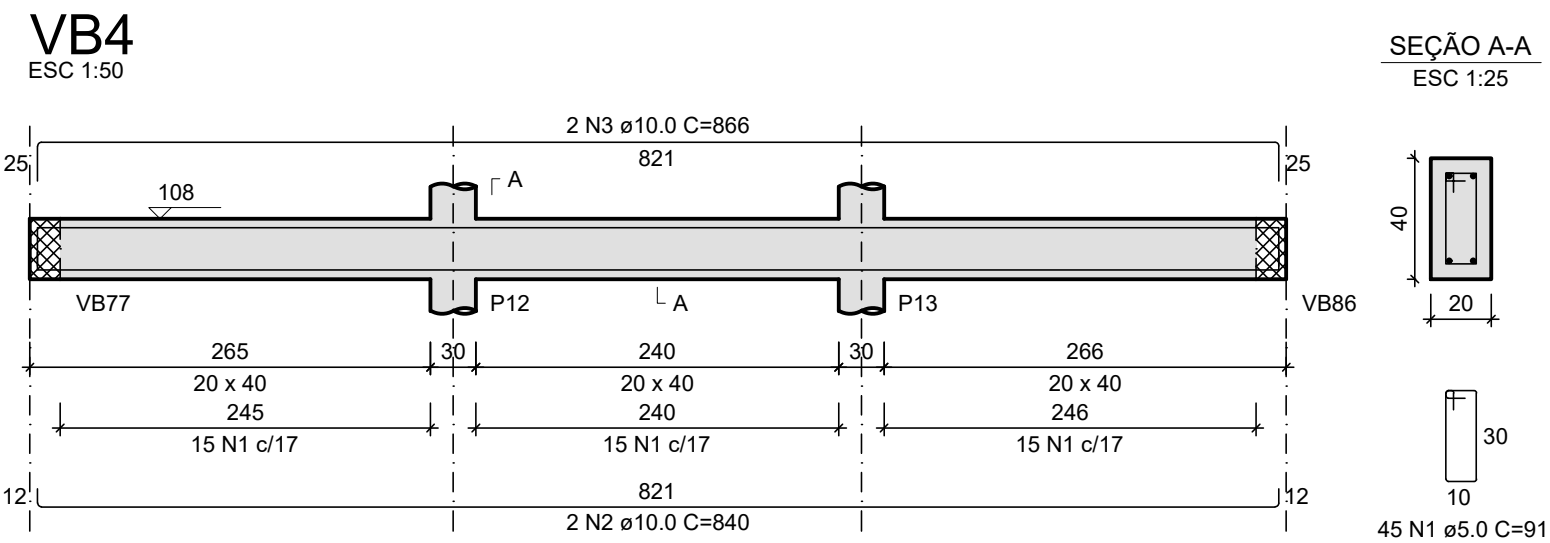
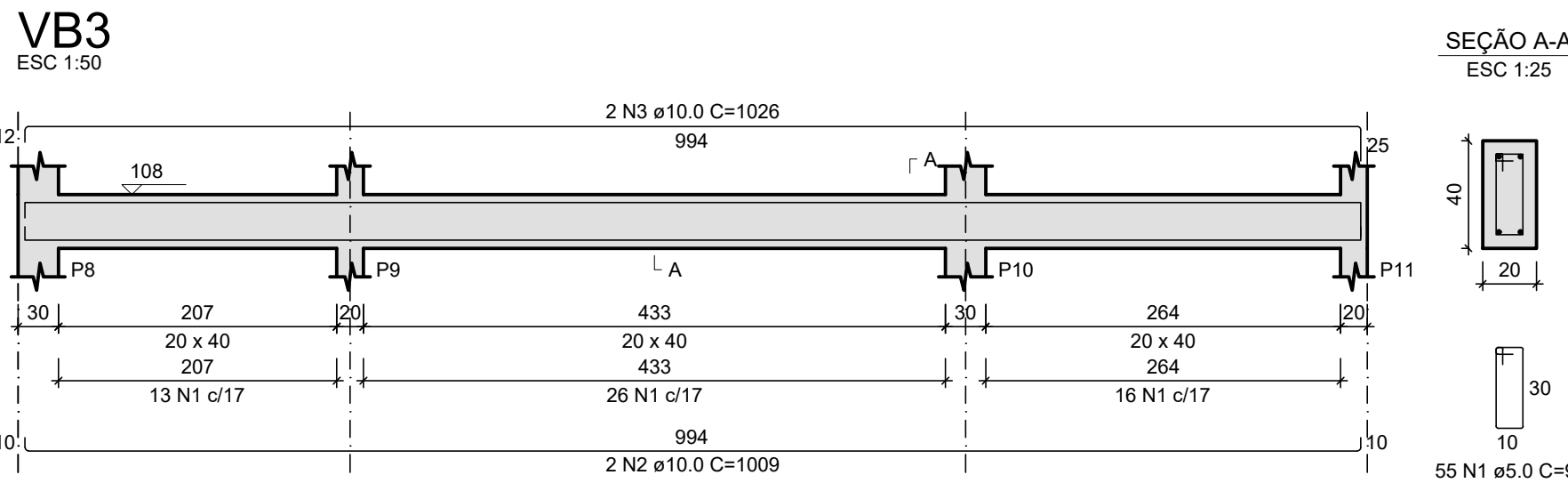
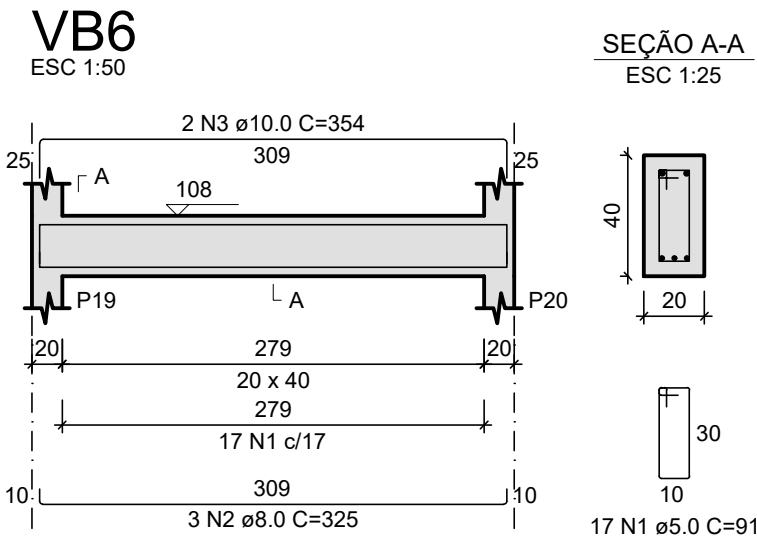
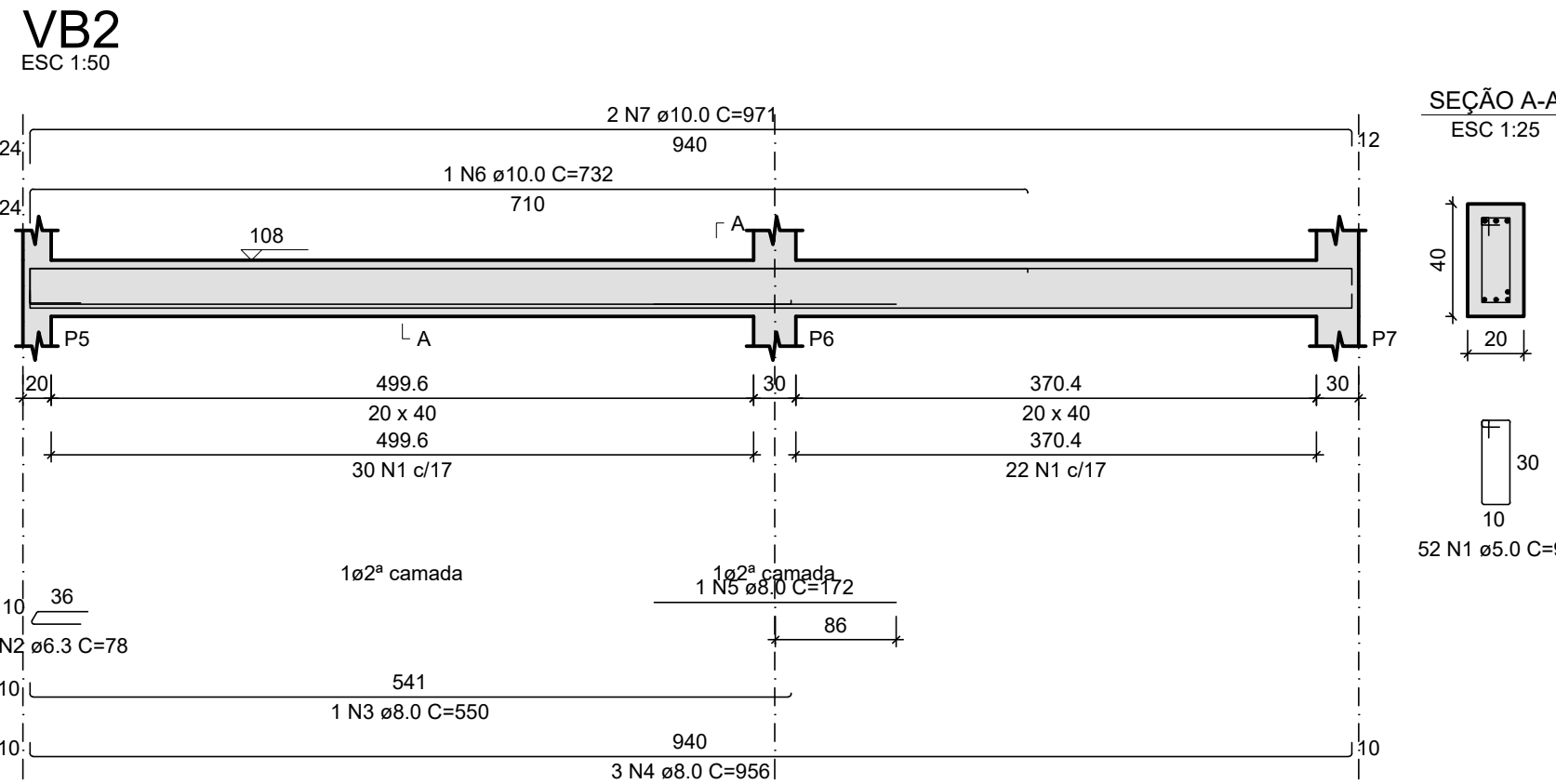
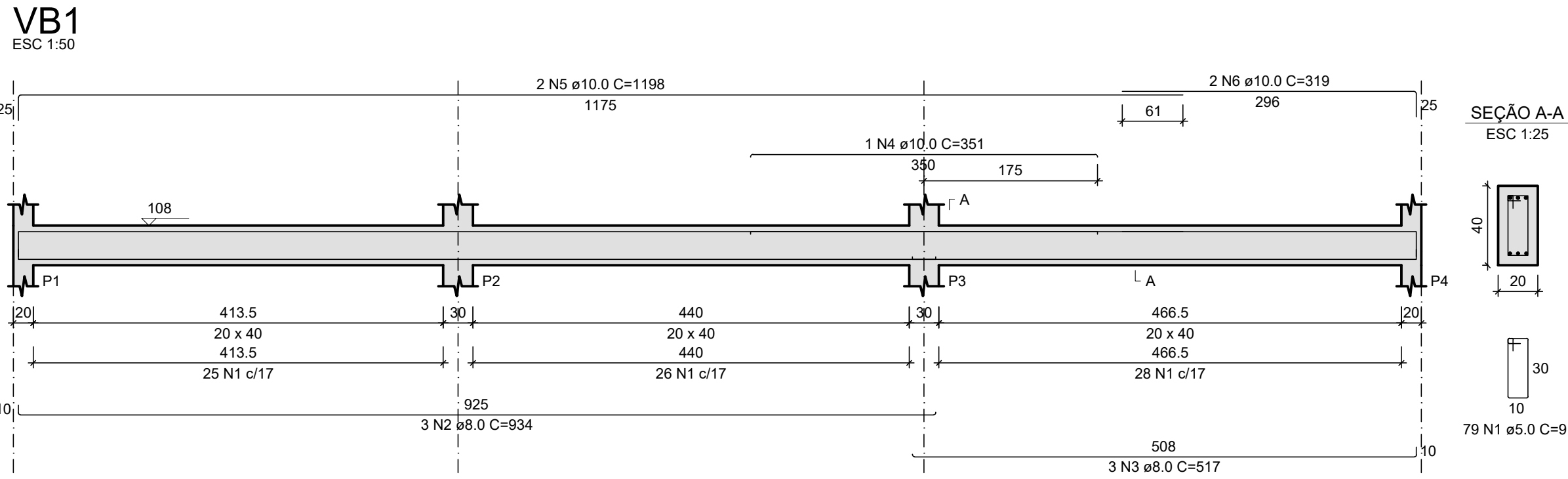
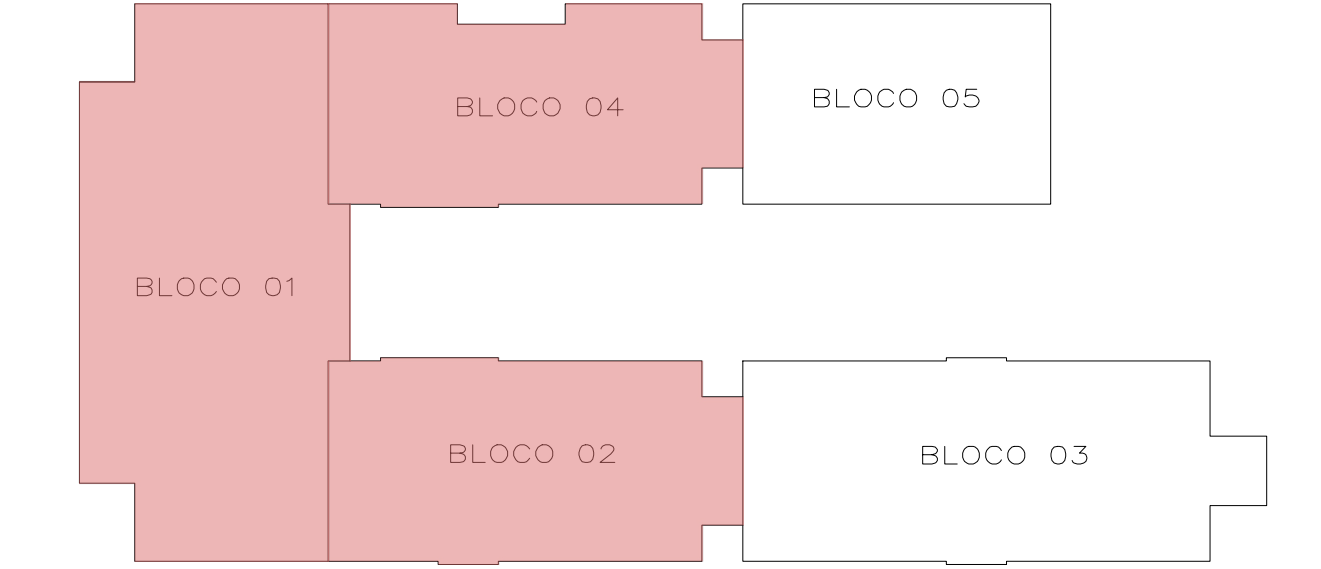




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VB1	CA60	1	5.0	79	91	7189
	CA50	2	8.0	3	934	2802
	CA50	3	8.0	3	517	1551
	CA50	4	10.0	1	351	351
	CA50	5	10.0	2	1198	2396
VB2	CA50	6	10.0	2	319	638
	CA60	1	5.0	52	91	4732
	CA50	2	6.3	1	78	78
	CA50	3	8.0	1	550	550
	CA50	4	8.0	3	956	2868
VB3	CA50	5	8.0	1	172	172
	CA50	6	10.0	1	732	732
	CA50	7	10.0	2	971	1942
	CA60	1	5.0	55	91	5005
	CA50	2	10.0	2	1009	2018
VB4	CA50	3	10.0	2	1026	2052
	CA60	1	5.0	45	91	4095
	CA50	2	10.0	2	840	1680
	CA50	3	10.0	2	866	1732
	CA60	1	5.0	47	91	4277
VB5	CA50	2	10.0	2	836	1672
	CA50	3	10.0	2	853	1706
	CA60	1	5.0	17	91	1547
	CA50	2	8.0	3	325	975
	CA50	4	10.0	2	354	708
VB6	CA60	1	5.0	10	91	910
	CA50	2	10.0	2	166	332
	CA50	3	10.0	2	201	402
	CA60	1	5.0	103	91	9373
	CA50	2	8.0	3	251	753
VB7	CA50	3	10.0	2	823	1646
	CA50	4	10.0	2	833	1666
	CA50	5	10.0	2	1199	2398
	CA50	6	10.0	2	746	1492
	CA60	1	5.0	87	91	7917
VB8	CA50	2	10.0	6	545	3270
	CA50	3	10.0	6	568	3408
	CA60	1	5.0	57	91	5187
	CA50	2	10.0	2	1026	2052
	CA50	3	10.0	1	336	336
VB9	CA50	4	10.0	2	1063	2126
	CA60	1	5.0	13	91	1183
	CA50	2	8.0	3	269	807
	CA50	3	10.0	2	285	570
	CA60	1	5.0	9	91	819
VB10	CA50	2	10.0	4	871	3484
	CA50	3	10.0	2	196	392
	CA60	1	5.0	96	91	8736
	CA50	2	10.0	4	871	3484
	CA50	3	10.0	4	901	3604
VB11	CA60	1	5.0	17	91	1547
	CA50	2	8.0	3	325	975
	CA50	3	10.0	2	354	708
	CA60	1	5.0	32	91	2912
	CA50	2	10.0	2	591	1182
VB12	CA50	3	12.5	1	196	196
	CA50	4	12.5	2	623	1246
	CA60	1	5.0	10	91	910
	CA50	2	10.0	2	186	372
	CA50	3	10.0	2	208	416
VB13	CA60	1	5.0	23	91	2093
	CA50	2	10.0	2	410	820
	CA50	3	10.0	2	440	880
	CA60	1	5.0	20	91	1820
	CA50	2	6.3	6	372	2232
VB14	CA50	3	10.0	2	377	754
	CA50	4	10.0	2	417	834
	CA60	1	5.0	9	91	819
	CA50	2	6.3	6	196	1176
	CA50	3	8.0	3	202	606
VB15	CA50	4	10.0	2	239	478

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	34.9	9.4
	8.0	125.6	54.5
	10.0	512.5	347.6
	12.5	14.4	15.3
CA60	5.0	710.7	120.5
PESO TOTAL (kg)		426.7	
CA50		426.7	
CA60		120.5	
Volume de concreto (C-30) = 10.39 m³			
Área de forma = 130.58 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. ENGENHARIA 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
COBA:	E. M. E. F. RUI BARBOSA NOVAS INSTALAÇÕES
ENDEÇO:	BAIRRO MARILUZ - IMBÉ - RS TERRENO URBANO - SETOR 35
ENDEÇO:	BRUNO
ESCALA:	INDICADAS
DATA:	ABRIL 2025
AREA:	2.491,91m²
PROJETO:	ESTRUTURAL ARMADURAS VIGAS DE BALDRAMES - 01
PRONÓCIO:	10/56