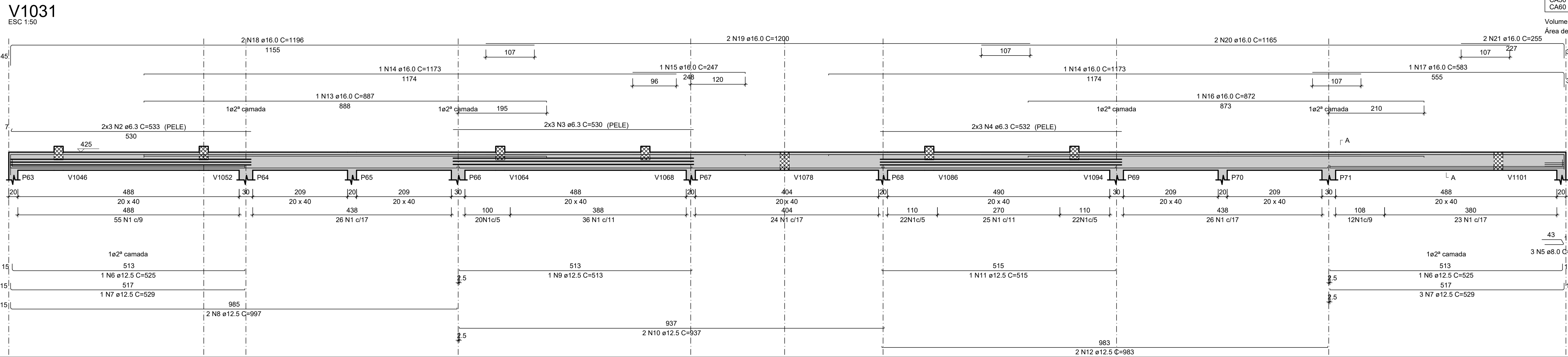
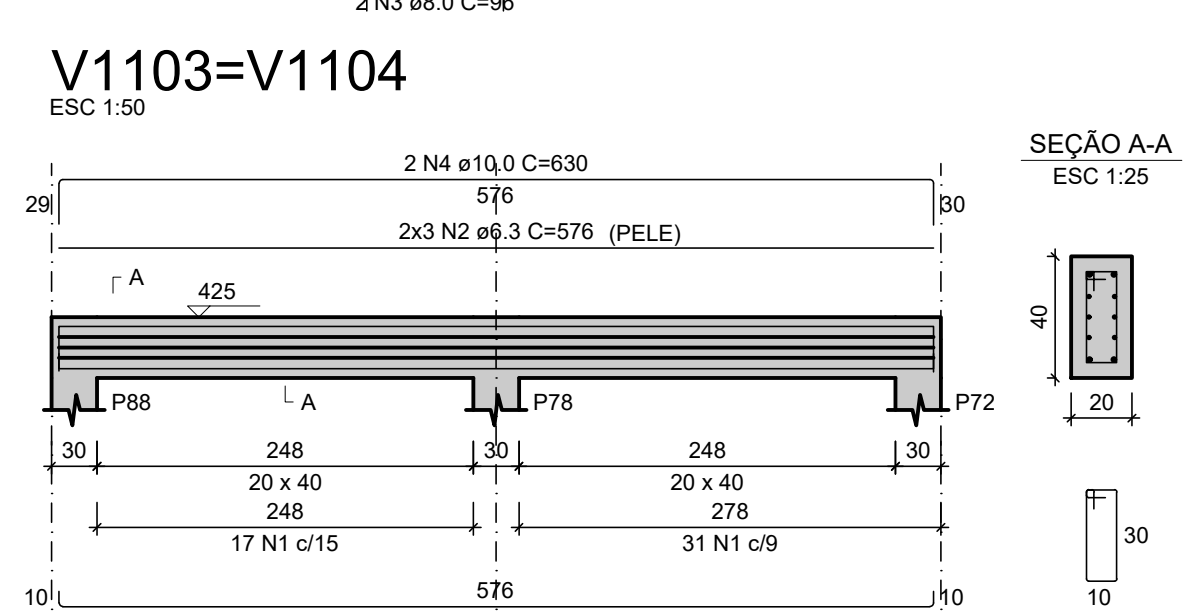
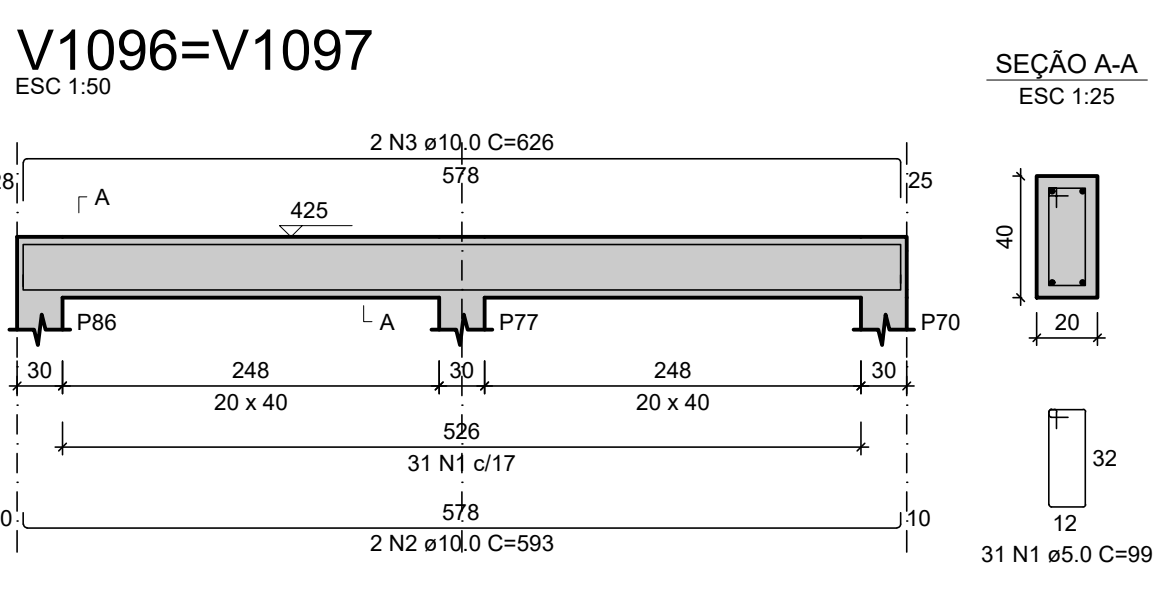
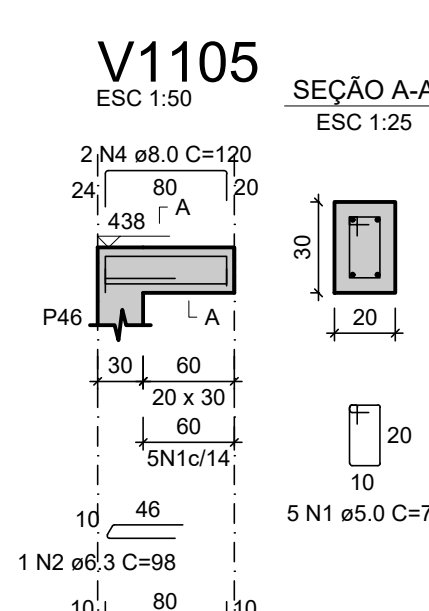
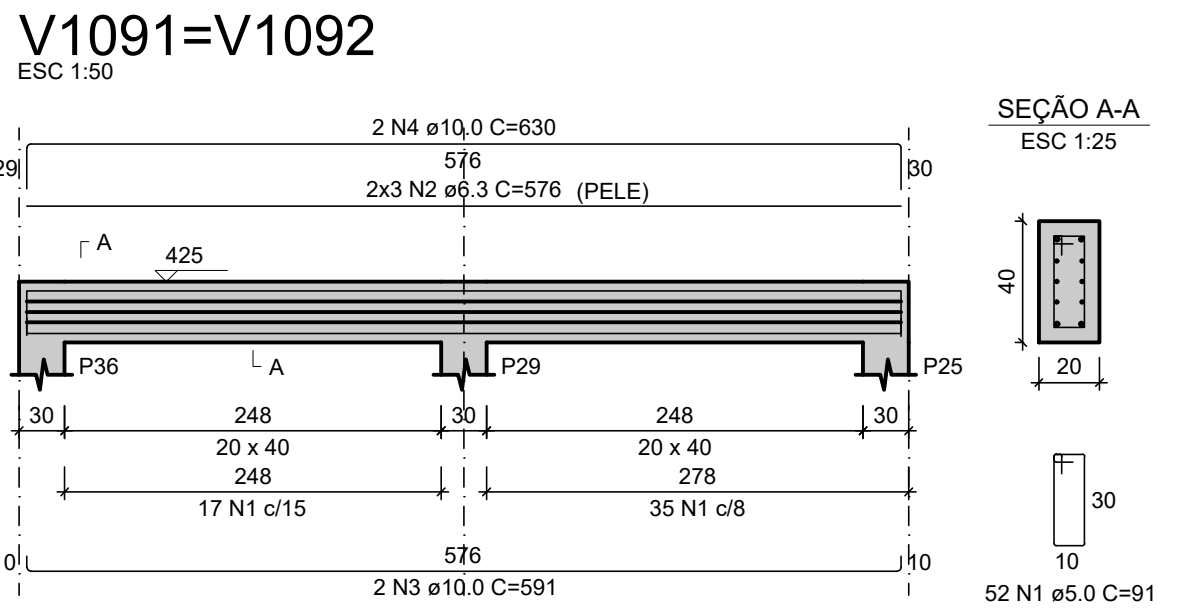
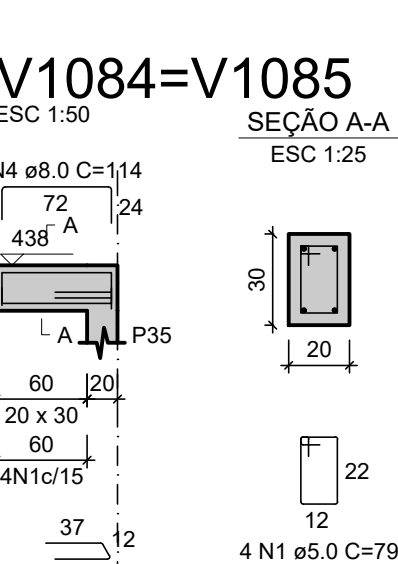
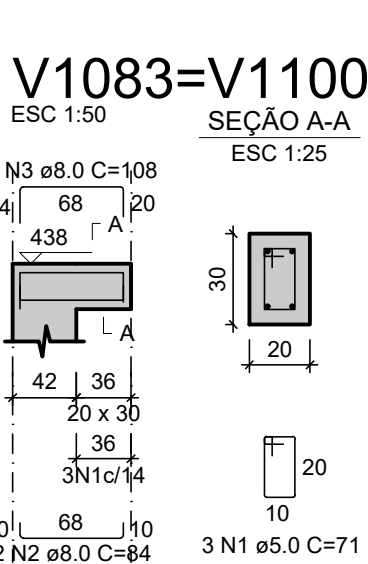
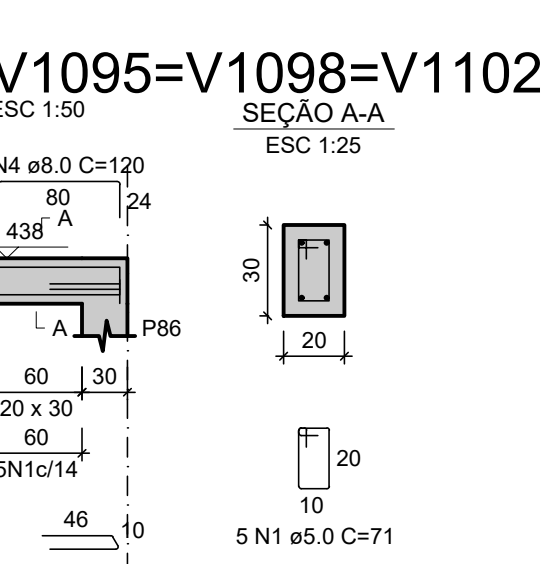
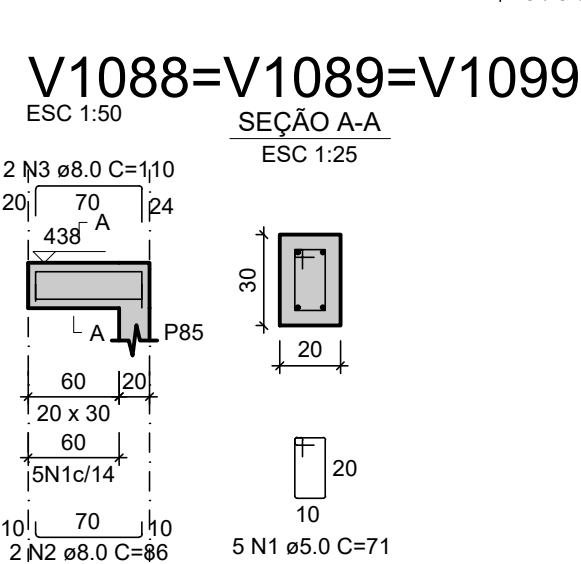
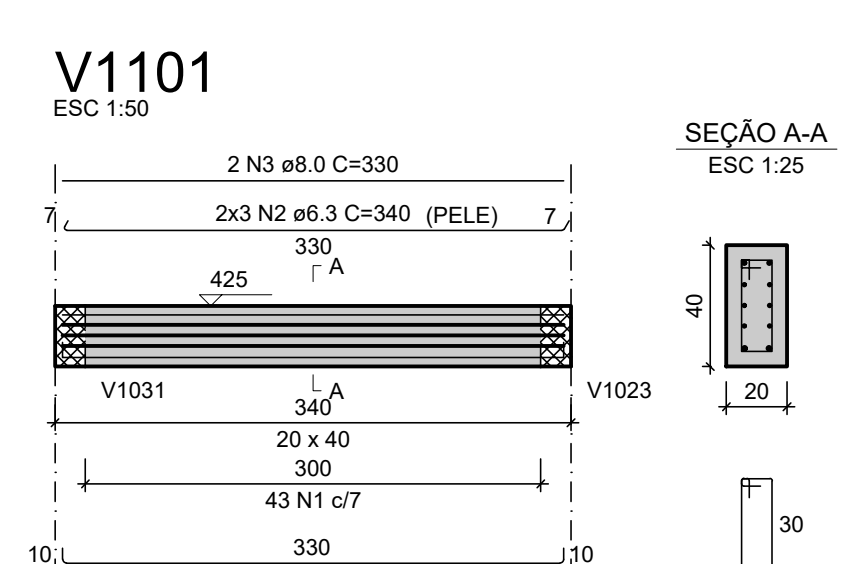
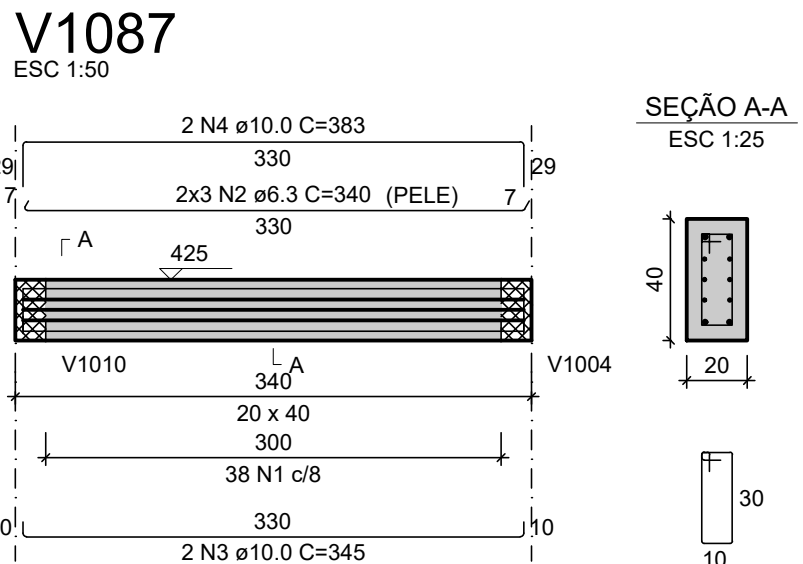
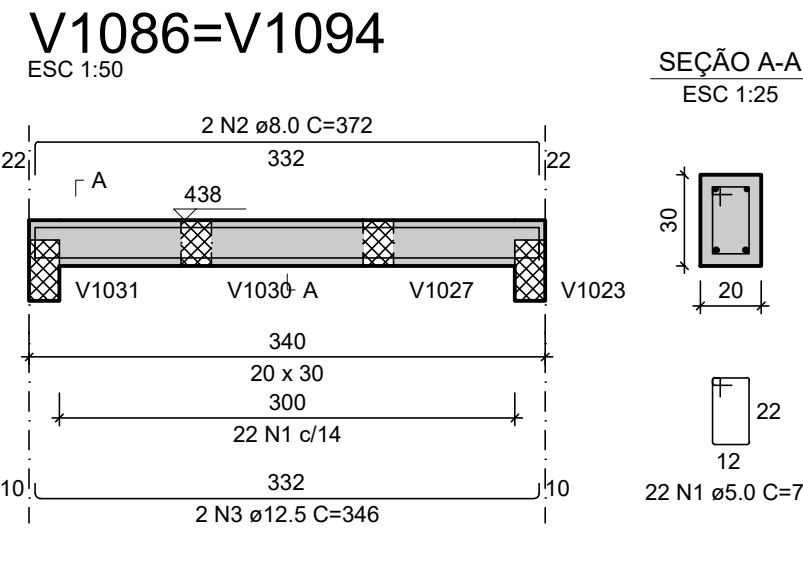
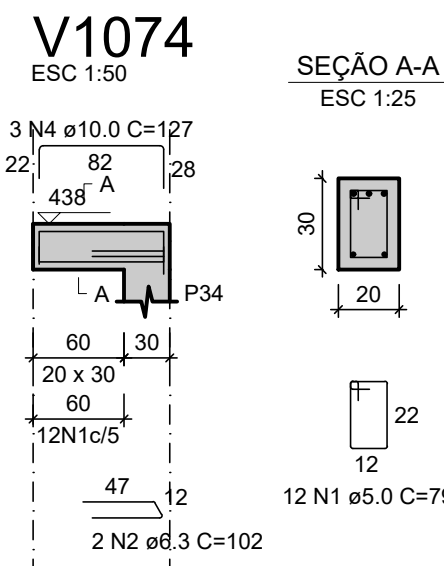
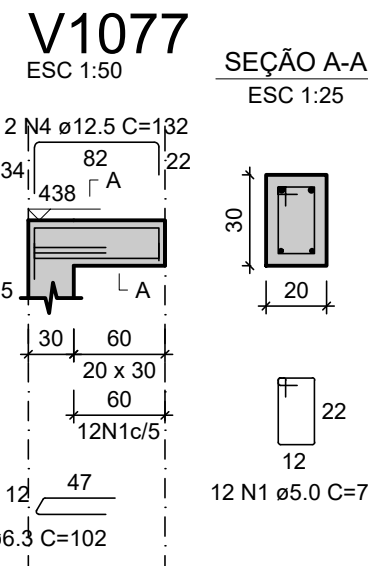
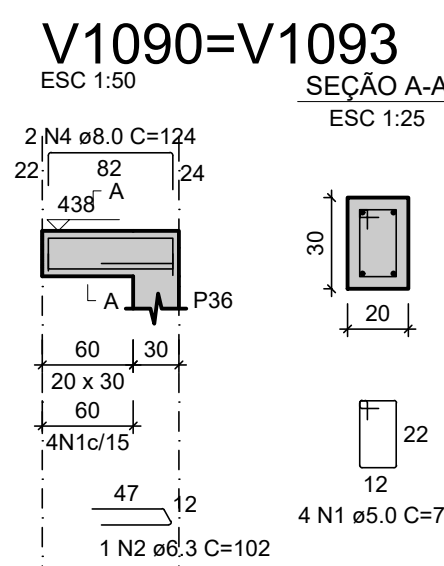
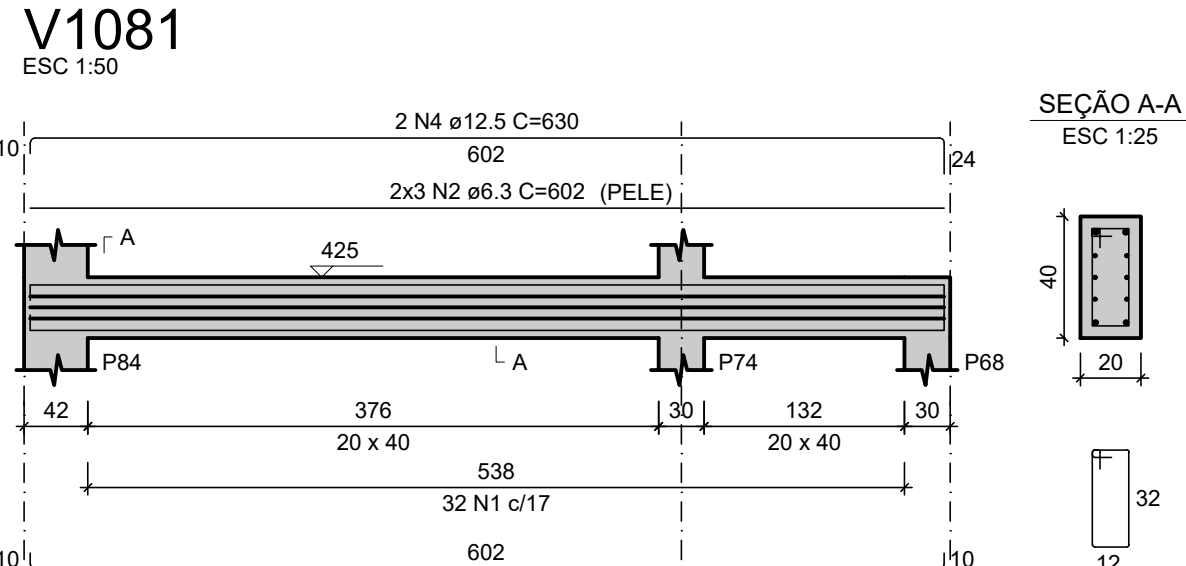
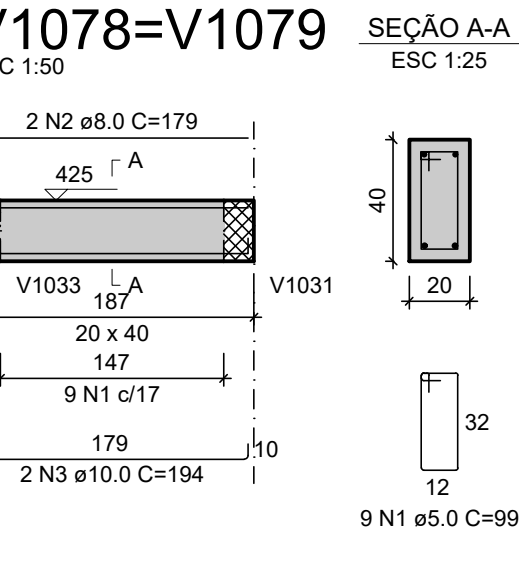
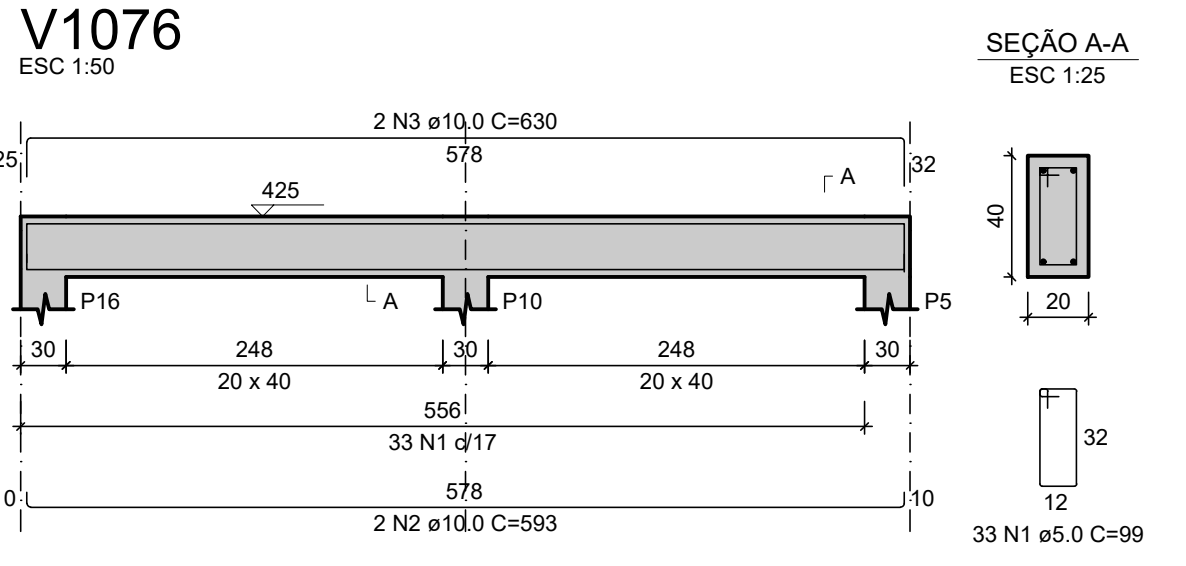
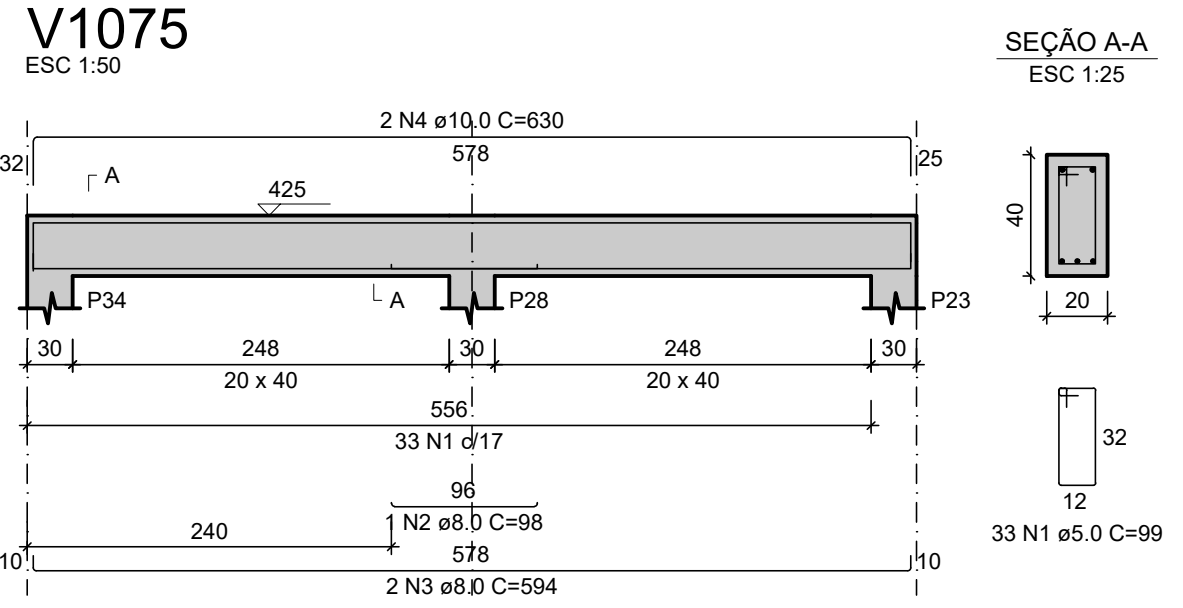
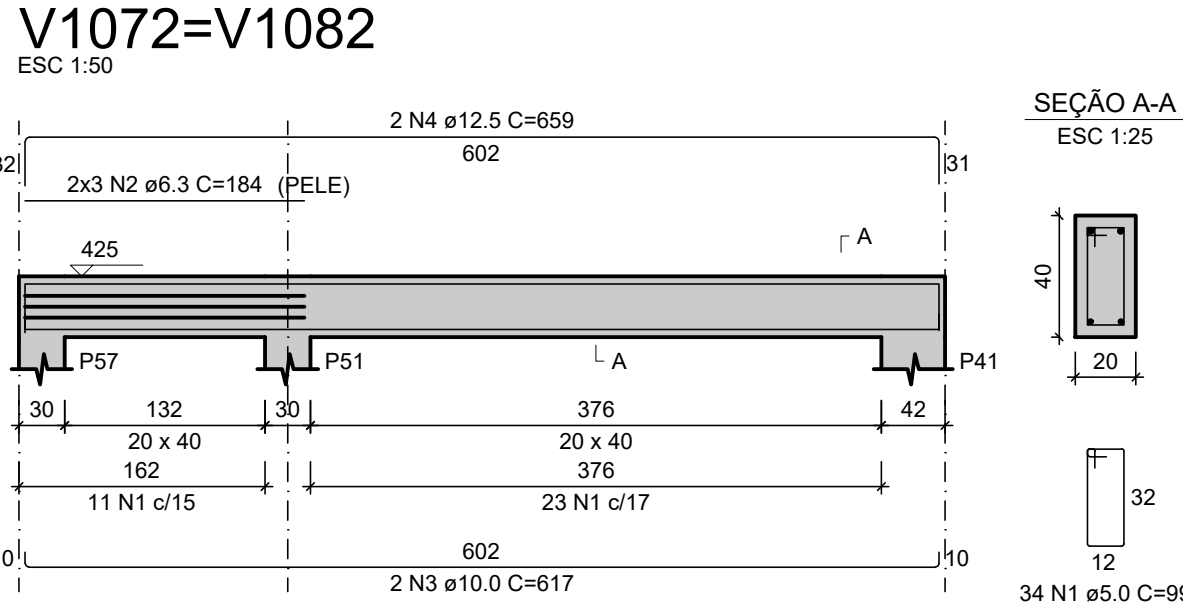
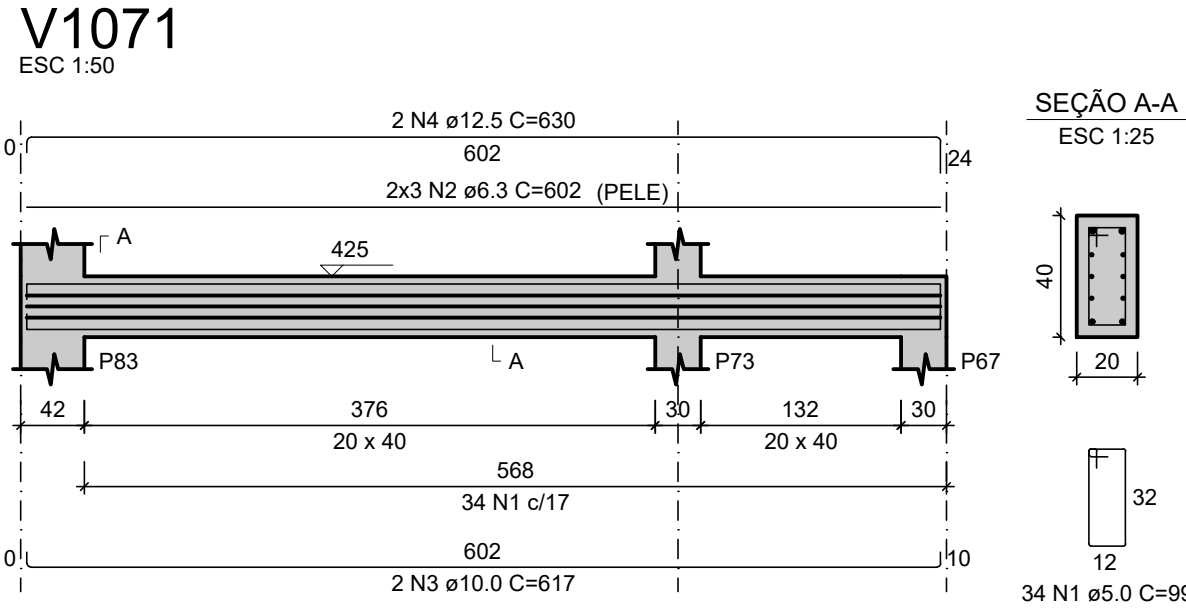
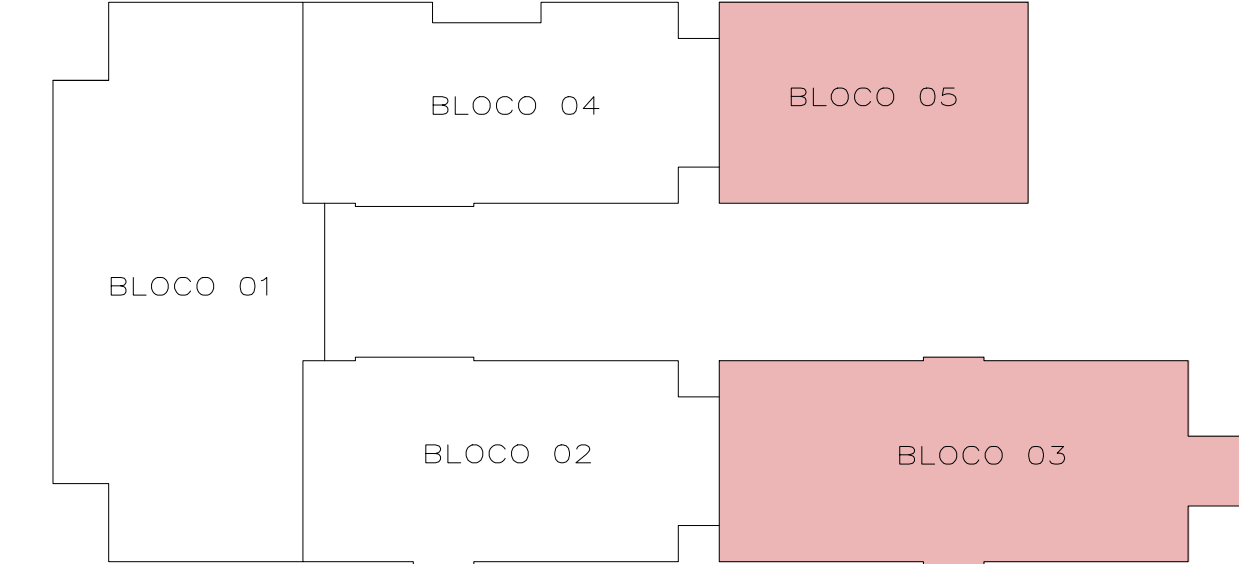




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1031	CA60	1	5.0	291	99	28809
	CA50	2	6.3	6	533	3198
	CA50	3	6.3	6	530	3180
	CA50	4	6.3	6	532	3192
	CA50	5	8.0	3	94	282
	CA50	6	12.5	2	525	1050
	CA50	7	12.5	4	529	2116
	CA50	8	12.5	2	997	1994
	CA50	9	12.5	1	513	513
	CA50	10	12.5	2	897	1874
	CA50	11	12.5	1	515	515
	CA50	12	12.5	2	983	1966
	CA50	13	16.0	1	887	887
	CA50	14	16.0	2	1173	2346
	CA50	15	16.0	1	247	247
V1071	CA50	16	16.0	1	872	872
	CA50	17	16.0	1	583	583
	CA50	18	16.0	2	1196	2392
	CA50	19	16.0	2	1200	2400
	CA50	20	16.0	2	1165	2330
	CA50	21	16.0	2	255	510
	CA60	1	5.0	34	99	3366
	CA50	2	6.3	6	602	3612
	CA50	3	10.0	2	617	1234
	CA50	4	12.5	2	630	1260
	CA60	1	5.0	68	99	6732
	CA50	2	6.3	12	184	2208
	CA50	3	10.0	4	617	2468
	CA50	4	12.5	4	659	2636
	CA50	5	5.0	12	79	948
V1074	CA50	2	6.3	2	102	204
	CA50	3	8.0	2	98	196
	CA50	4	10.0	3	127	381
	CA60	1	5.0	33	99	3267
	CA50	2	8.0	1	98	98
	CA50	3	8.0	2	594	1188
	CA50	4	10.0	2	630	1260
	CA60	1	5.0	33	99	3267
	CA50	2	10.0	2	593	1186
	CA50	3	10.0	2	630	1260
	CA60	1	5.0	12	79	948
	CA50	2	6.3	2	102	204
	CA50	3	8.0	2	98	196
	CA50	4	12.5	2	132	264
	CA60	1	5.0	18	99	1782
2xV1078	CA50	2	8.0	4	179	716
	CA50	3	10.0	4	194	776
	CA60	1	5.0	32	99	3168
	CA50	2	6.3	6	602	3612
	CA50	3	10.0	2	617	1234
	CA50	4	12.5	2	630	1260
	CA60	1	5.0	6	71	426
	CA50	2	8.0	4	94	336
	CA50	3	8.0	4	108	432
	CA60	1	5.0	8	79	632
	CA50	2	6.3	4	82	328
	CA50	3	8.0	4	88	352
	CA50	4	8.0	4	114	456
	CA50	5	5.0	44	79	3476
	CA50	2	8.0	4	372	1488
V1087	CA50	3	12.5	4	346	1384
	CA50	1	5.0	38	91	3458
	CA50	2	6.3	6	340	2040
	CA50	3	10.0	2	345	690
	CA50	4	10.0	2	383	766
	CA60	1	5.0	15	71	1065
	CA50	2	6.3	6	98	588
	CA50	3	8.0	6	86	516
	CA50	4	8.0	6	110	660
	CA60	1	5.0	8	79	632
	CA50	2	6.3	2	102	204
	CA50	3	8.0	4	98	392
	CA50	4	8.0	4	124	496
	CA60	1	5.0	104	91	9464
	CA50	2	6.3	12	576	6912
2xV1083	CA50	3	10.0	4	591	2364
	CA50	4	10.0	4	630	2520
	CA60	1	5.0	15	71	1065
	CA50	2	6.3	6	98	588
	CA50	3	8.0	6	96	576
	CA50	4	8.0	6	120	720
	CA60	1	5.0	62	99	6138
	CA50	2	10.0	4	593	2372
	CA50	3	10.0	4	626	2504
	CA60	1	5.0	43	91	3913
	CA50	2	6.3	6	340	2040
	CA50	3	8.0	2	330	660
	CA50	4	10.0	2	345	690
	CA60	1	5.0	96	91	8736
	CA50	2	6.3	12	576	6912
2xV1103	CA50	3	10.0	4	591	2364
	CA50	4	10.0	4	630	2520
	CA60	1	5.0	5	71	355
	CA50	2	6.3	1	98	98
	CA50	3	8.0	2	96	192
	CA50	4	8.0	2	120	240

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	385.3	403.7
	8.0	101.9	44.2
	10.0	255.9	180.3
	12.5	168.3	176.4
	16.0	125.7	218.2
CA60	5.0	916.5	155.4
PESO TOTAL (kg)			
CA50		724.8	
CA60		155.4	

Volume de concreto (C-30) = 9.14 m³
Área de forma = 75.27 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

E. M. E. F. RUI BARBOSA
NOVAS INSTALAÇÕES

ADMINISTRAÇÃO
2025/2028

SECRETARIA MUNICIPAL
DE EDUCAÇÃO

PROJETO

ARMADURA DAS VIGAS DE COBERTURA – BLOCOS 03 E 05 – 04

ENGENHEIRO

BAIRRO MARILUZ – IMBÉ – RS
TERRENO URBANO – SETOR 35

PROJETO

BRUNO

ESCALA:

INDICADAS

DATA:

ABRIL 2025

ÁREA:

2.491,91m²

PROPOSTA:

52/56