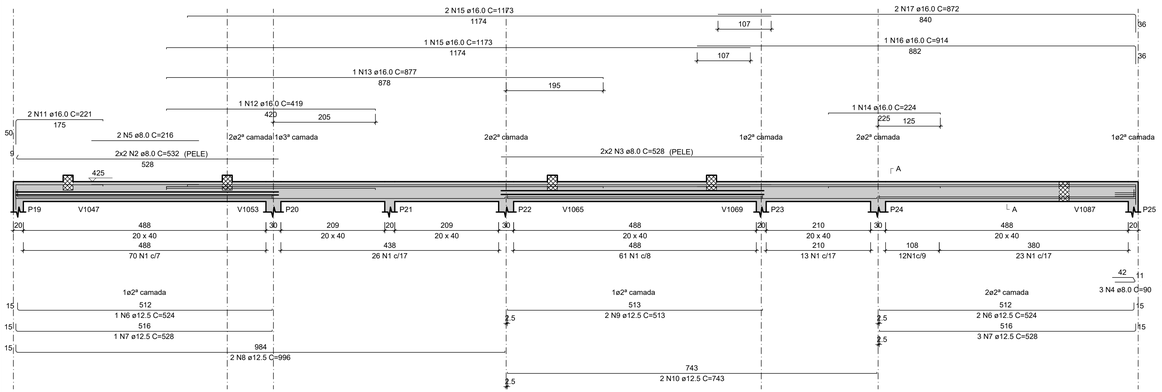
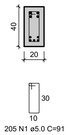
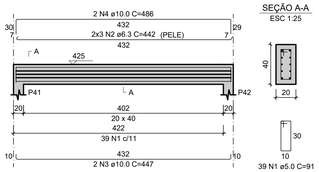
V1010
ESC 1:50



SEÇÃO A-A
ESC 1:25

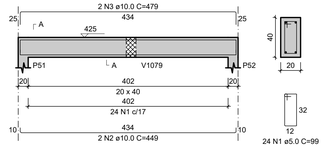


V1018
ESC 1:50



SEÇÃO A-A
ESC 1:25

V1022
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

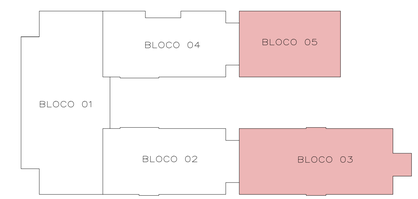
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1010	CA60	1	5.0	205	91	18655
	CA50	2	8.0	4	532	2128
	CA50	3	8.0	4	528	2112
	CA50	4	8.0	3	90	270
	CA50	5	8.0	2	216	432
	CA50	6	12.5	3	524	1572
	CA50	7	12.5	4	528	2112
	CA50	8	12.5	2	996	1992
	CA50	9	12.5	2	513	1026
	CA50	10	12.5	2	743	1486
	CA50	11	16.0	2	221	442
	CA50	12	16.0	1	419	419
	CA50	13	16.0	1	877	877
	CA50	14	16.0	1	224	224
	CA50	15	16.0	3	1173	3519
	CA50	16	16.0	1	914	914
	CA50	17	16.0	2	872	1744
V1017	CA60	1	5.0	203	91	18473
	CA50	2	6.3	6	1196	7176
	CA50	3	6.3	6	362	2172
	CA50	4	12.5	2	762	1524
	CA50	5	12.5	2	764	1528
	CA50	6	16.0	1	354	354
	CA50	7	16.0	2	1196	2392
	CA50	8	16.0	2	445	890
V1018	CA60	1	5.0	39	91	3549
	CA50	2	6.3	6	442	2652
	CA50	3	10.0	2	447	894
	CA50	4	10.0	2	486	972
V1019	CA60	1	5.0	37	91	3367
	CA50	2	6.3	126	92	11592
	CA50	3	6.3	6	310	1860
	CA50	4	6.3	6	311	1866
	CA50	5	8.0	4	935	3740
	CA50	6	10.0	1	759	759
	CA50	7	10.0	1	762	762
	CA50	8	10.0	2	906	1812
	CA50	9	10.0	2	760	1520
	CA50	10	12.5	1	385	385
	CA50	11	12.5	2	1174	2348
	CA50	12	12.5	2	204	408
	CA50	13	12.5	2	1197	2394
	CA50	14	12.5	2	434	868
V1022	CA60	1	5.0	24	99	2376
	CA50	2	10.0	2	449	898
	CA50	3	10.0	2	479	958
2xV1043	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
2xV1050	CA60	1	5.0	10	79	790
	CA50	2	6.3	6	82	492
	CA50	3	8.0	4	88	352
	CA50	4	8.0	4	114	456
V1054	CA60	1	5.0	12	71	852
	CA50	2	6.3	2	98	196
	CA50	3	8.0	2	96	192
	CA50	4	10.0	3	123	369
2xV1055	CA60	1	5.0	62	99	6138
	CA50	2	8.0	2	98	196
	CA50	3	8.0	4	594	2376
	CA50	4	10.0	4	628	2512
V1057	CA60	1	5.0	12	71	852
	CA50	2	6.3	2	98	196
	CA50	3	8.0	2	96	192
	CA50	4	12.5	2	127	254
V1058	CA60	1	5.0	10	79	790
	CA50	2	6.3	2	102	204
	CA50	3	8.0	2	98	196
	CA50	4	10.0	3	123	369
2xV1060	CA60	1	5.0	62	99	6138
	CA50	2	8.0	2	128	256
	CA50	3	8.0	4	594	2376
	CA50	4	10.0	4	625	2500
V1061	CA60	1	5.0	10	79	790
	CA50	2	6.3	2	102	204
	CA50	3	8.0	2	98	196
	CA50	4	12.5	2	127	254
2xV1062	CA60	1	5.0	8	79	632
	CA50	2	6.3	6	82	492
	CA50	3	8.0	4	88	352
	CA50	4	8.0	4	114	456
4xV1065	CA60	1	5.0	88	79	6952
	CA50	2	8.0	8	372	2976
	CA50	3	12.5	8	346	2768
4xV1066	CA60	1	5.0	20	71	1420
	CA50	2	6.3	12	78	936
	CA50	3	8.0	8	86	688
	CA50	4	8.0	8	110	880
V1073	CA60	1	5.0	3	71	213
	CA50	2	6.3	2	122	244
	CA50	3	8.0	2	84	168
	CA50	4	8.0	2	108	216
V1080	CA60	1	5.0	3	71	213
	CA50	2	8.0	2	84	168
	CA50	3	8.0	2	94	188

RESUMO DO AÇO

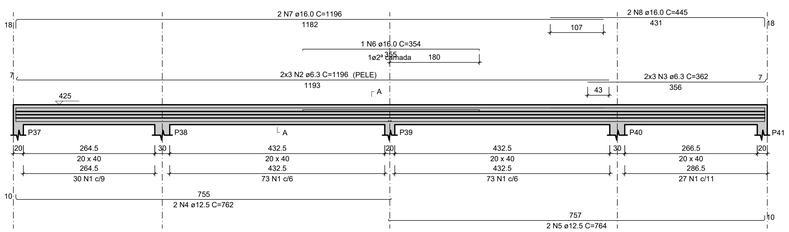
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	304.9	82.1
	8.0	224.5	97.4
	10.0	143.3	97.2
	12.5	209.2	221.7
	16.0	117.8	204.4
CA60	5.0	728.3	123.5

PESO TOTAL (kg)	
CA50	702.8
CA60	123.5

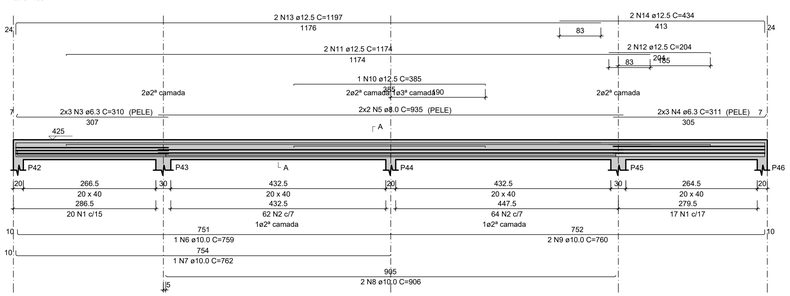
Volume de concreto (C-30) = 7.58 m³
Área de forma = 62.53 m²



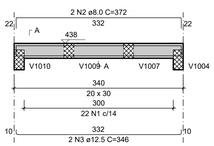
V1017
ESC 1:50



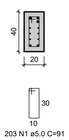
V1019
ESC 1:50



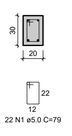
V1064=V1065=V1068=V1069
ESC 1:50



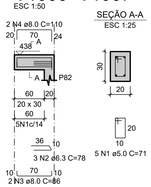
SEÇÃO A-A
ESC 1:25



SEÇÃO A-A
ESC 1:25



V1048=V1049
V1066=V1067
ESC 1:50



SEÇÃO A-A
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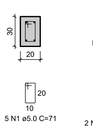
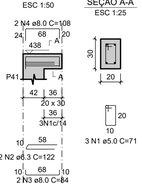
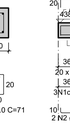


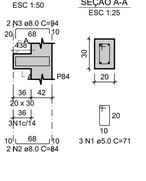
V1073
ESC 1:50



SEÇÃO A-A
ESC 1:25

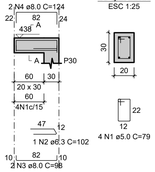


V1080
ESC 1:50

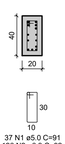


SEÇÃO A-A
ESC 1:25

V1043=V1045
ESC 1:50

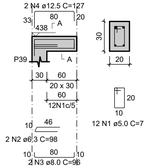


SEÇÃO A-A
ESC 1:25

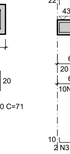


SEÇÃO A-A
ESC 1:25

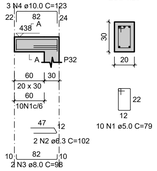
V1057
ESC 1:50



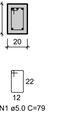
SEÇÃO A-A
ESC 1:25



V1058
ESC 1:50



SEÇÃO A-A
ESC 1:25



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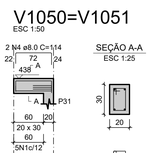
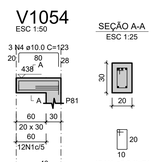
ESC 1:50

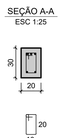


SEÇÃO A-A
ESC 1:25

V1054
ESC 1:50



SEÇÃO A-A
ESC 1:25



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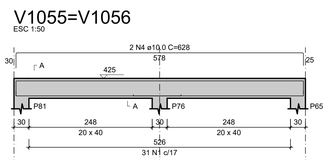
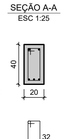
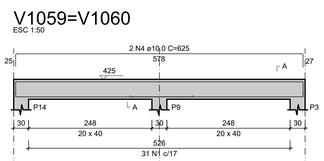
ESC 1:50



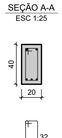
SEÇÃO A-A
ESC 1:25



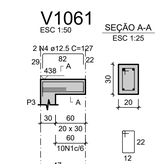
V1059=V1060
ESC 1:50



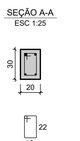
SEÇÃO A-A
ESC 1:25



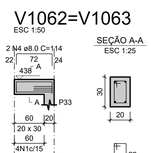
V1061
ESC 1:50



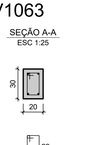
SEÇÃO A-A
ESC 1:25



V1062=V1063
ESC 1:50



SEÇÃO A-A
ESC 1:25



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ARQUITETO E URBANISTA

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ENGENHEIRO CIVIL

ANA CAROLINA M. SANTOS
ARQUITETA E URBANISTA

HENRIQUE RODRIGUES DIAS
AUX. ENGENHARIA CIVIL

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PREFEITURA MUNICIPAL DE IMBÉ
AVENIDA PARAGUASSU, 2070 – CENTRO – IMBÉ – RS
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NOVAS INSTALAÇÕES

ADMINISTRAÇÃO 2025/2028
SECRETARIA MUNICIPAL DE EDUCAÇÃO
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RUTH JOSIELLI MONTEIRO RUSCHEL
SECRETÁRIA MUNICIPAL DE EDUCAÇÃO

ESCALA: INDICADAS

DATA: ABRIL 2025

ÁREA: 2.491,91m²

PROJETO: ESTRUTURAL
ARMADURA DAS VIGAS DE COBERTURA – BLOCOS 03 E 05 – 02

PRANCHA: 50/56