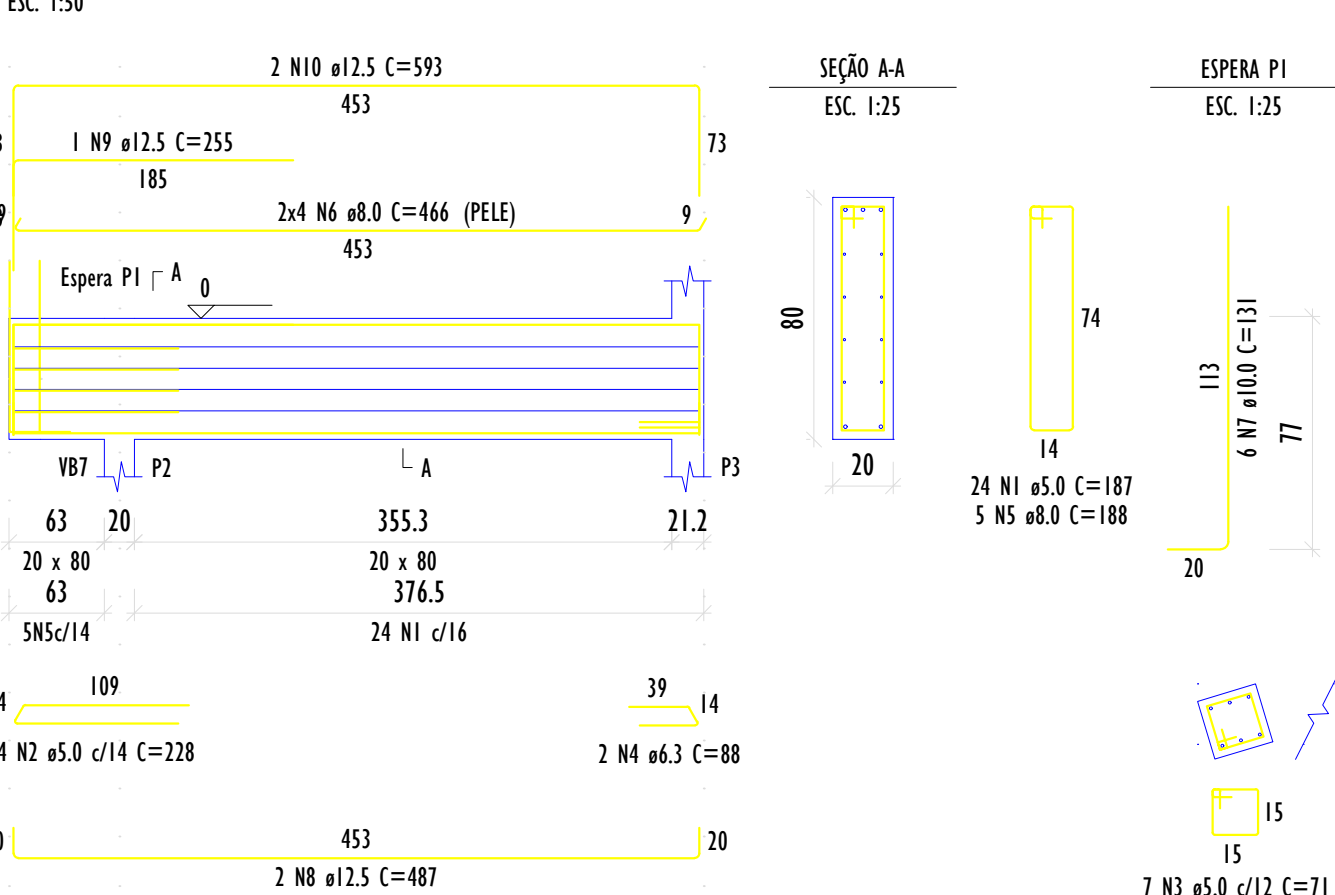
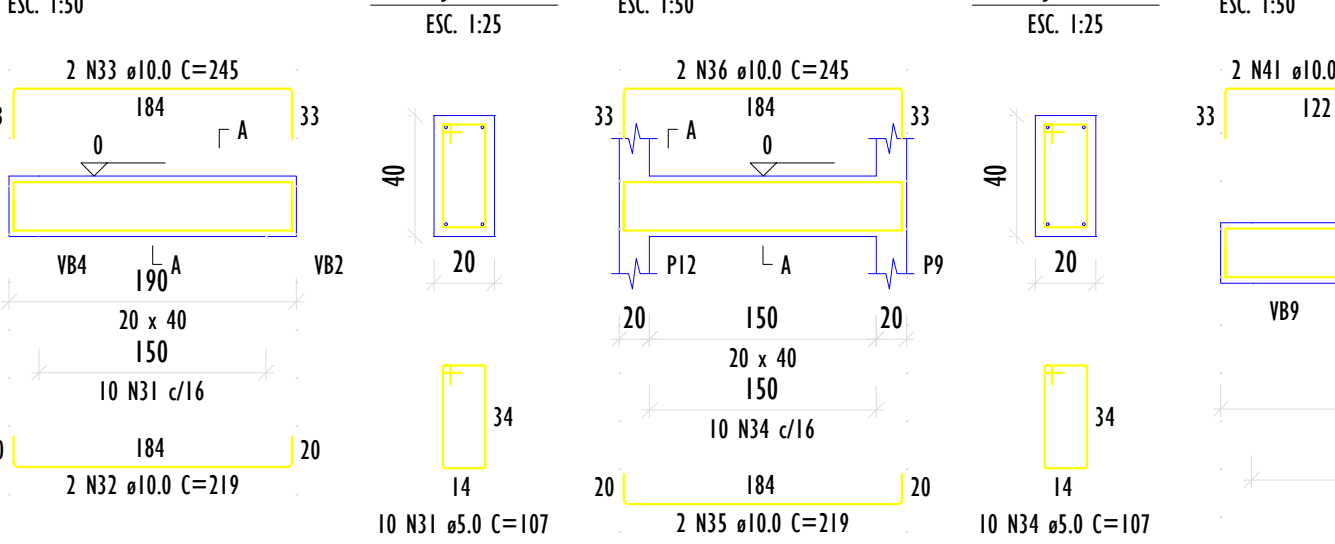


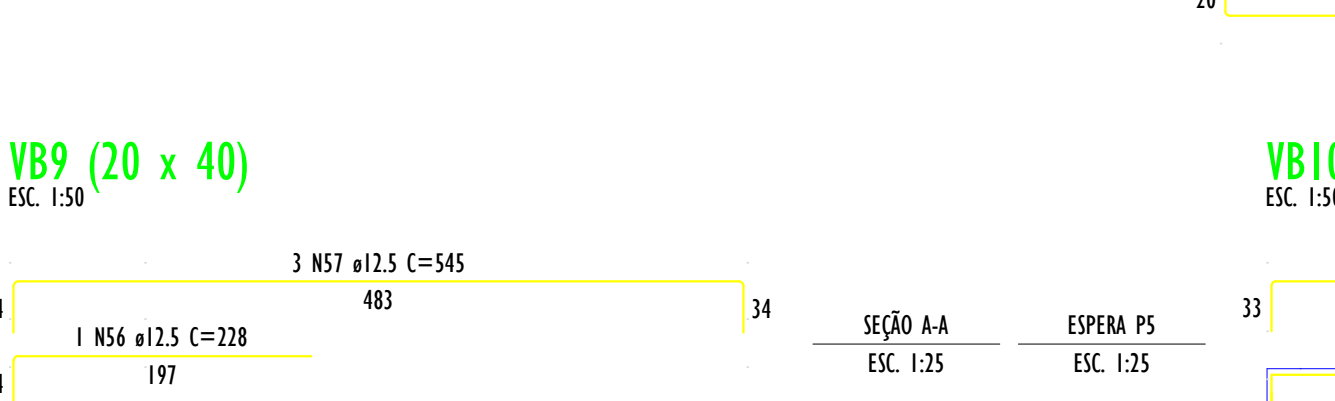
VB1 (20 x 80)



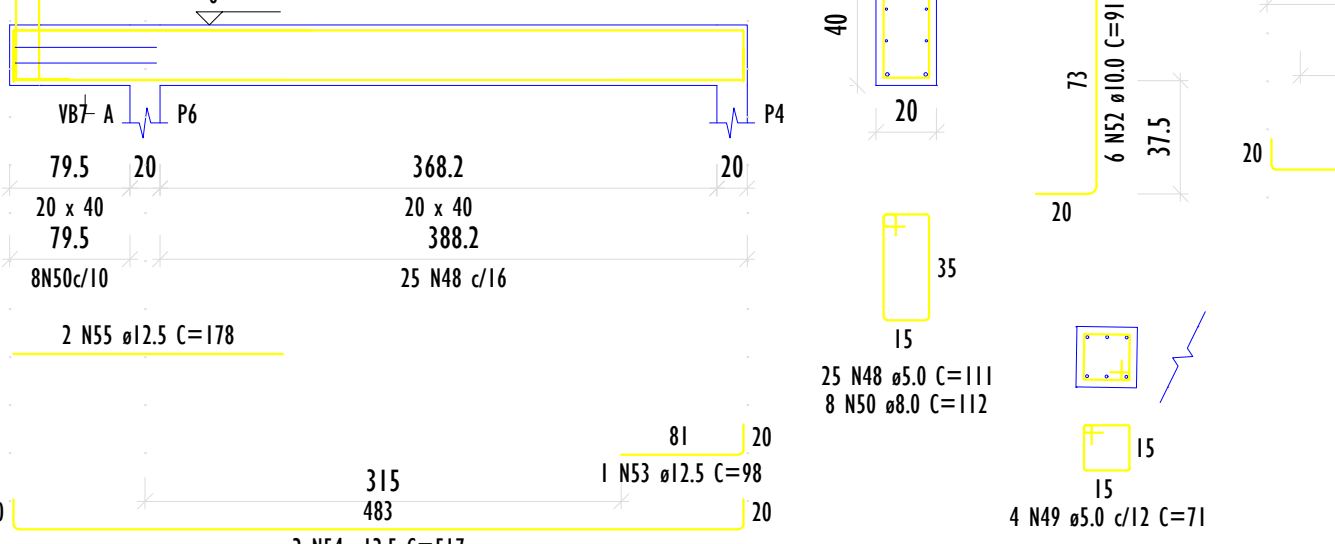
VB5 (20 x 40)



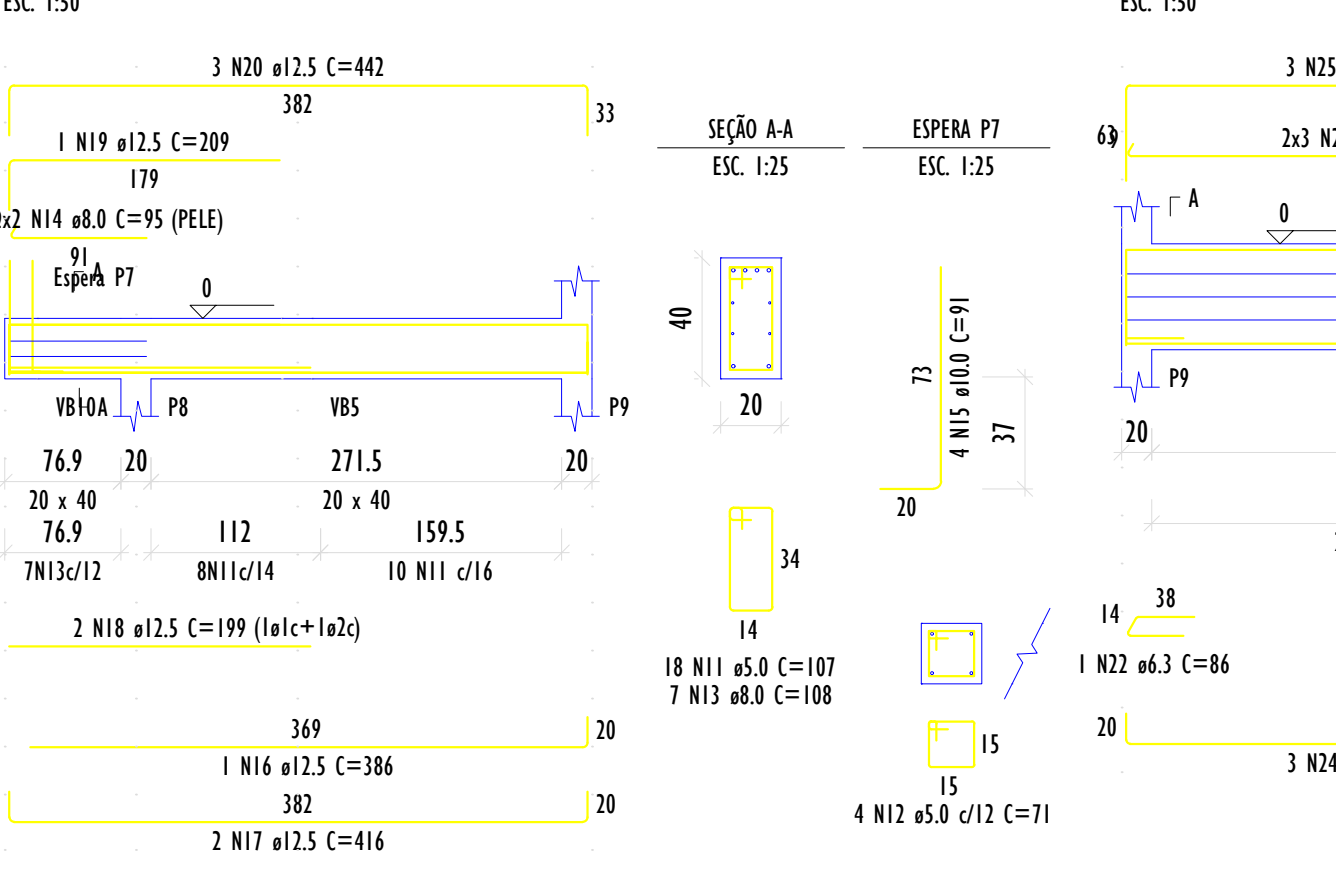
VB6 (20 x 40)



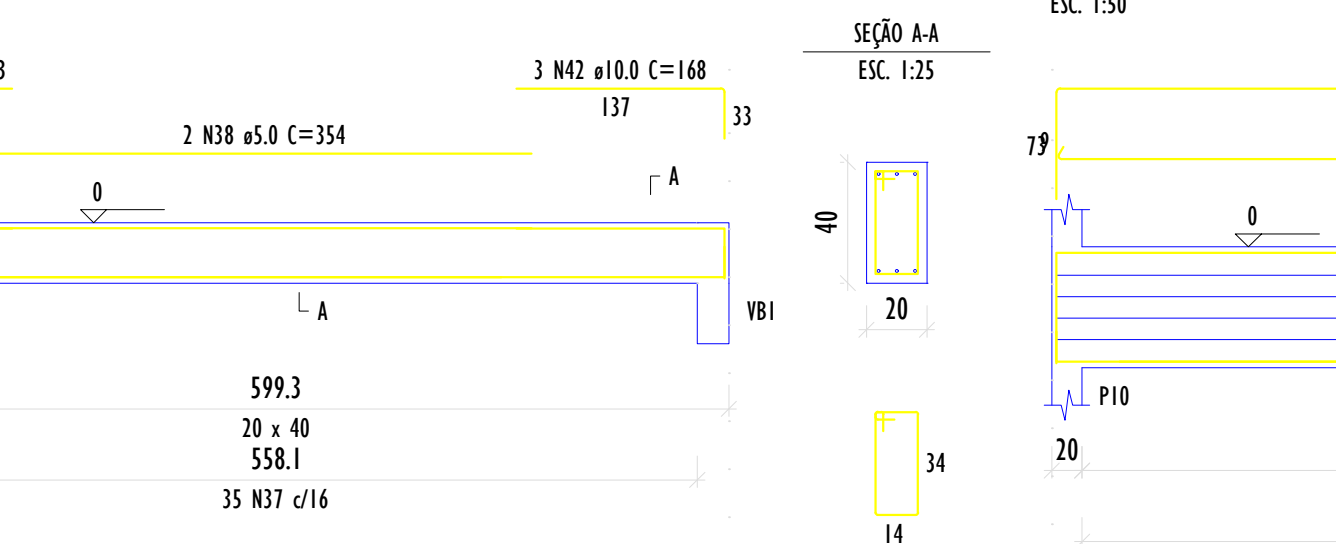
VB9 (20 x 40)



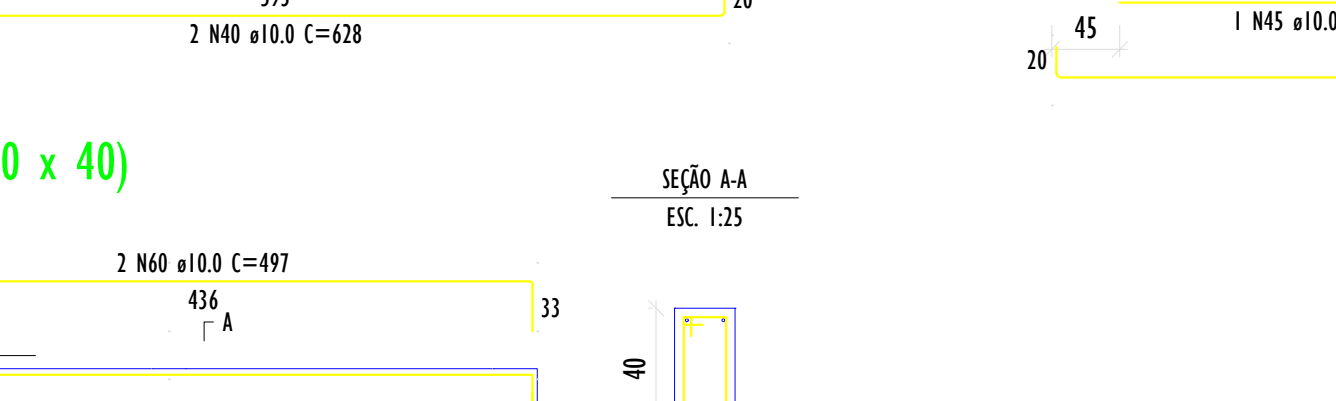
VB2 (20 x 40)



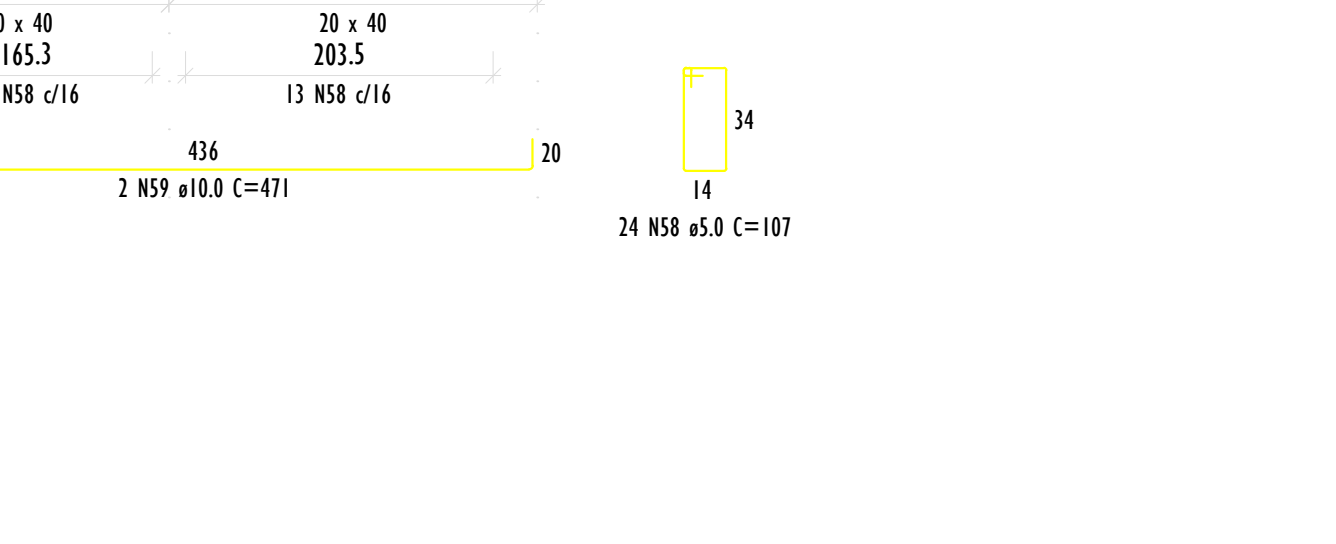
VB7 (20 x 40)



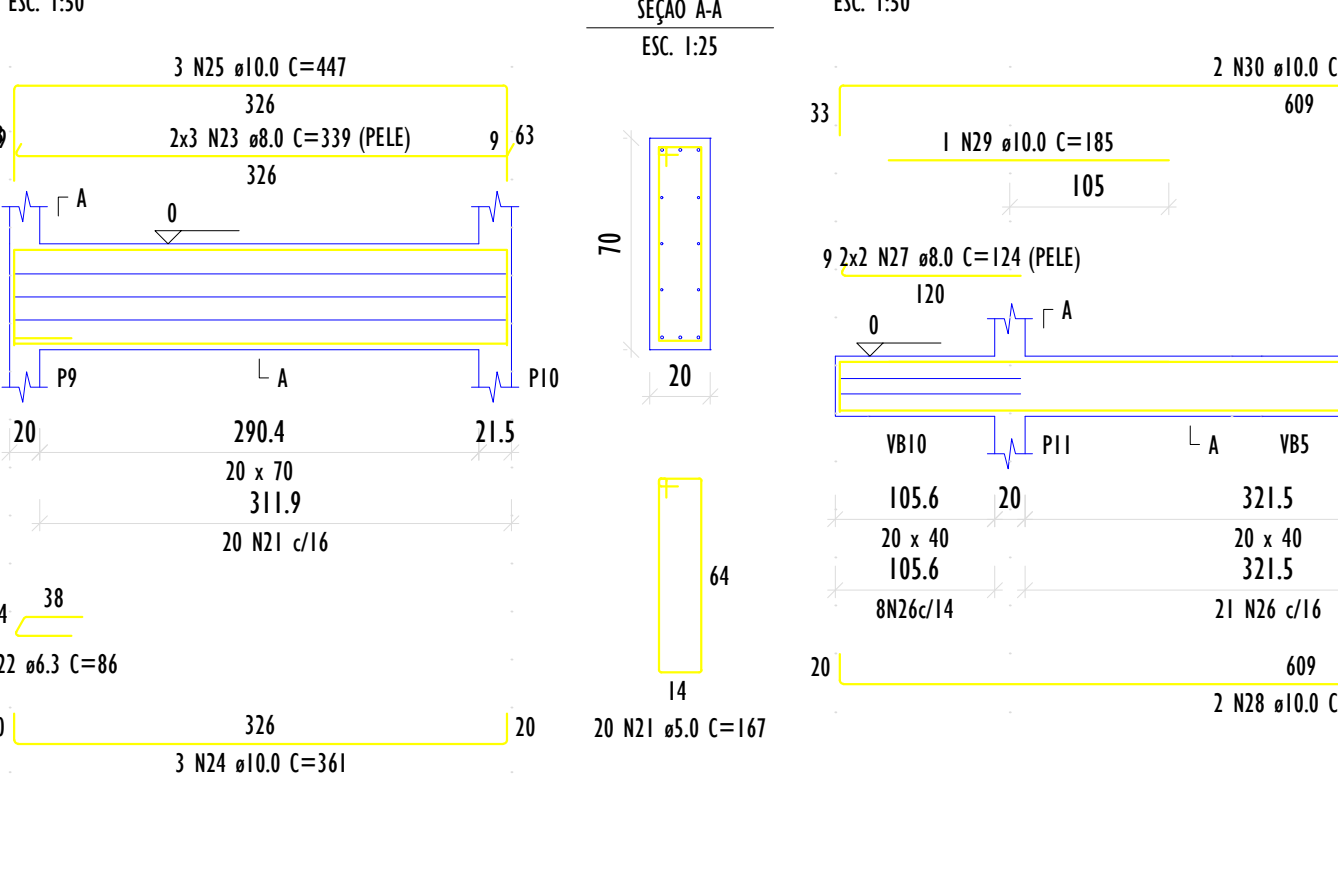
VB8 (20 x 80)



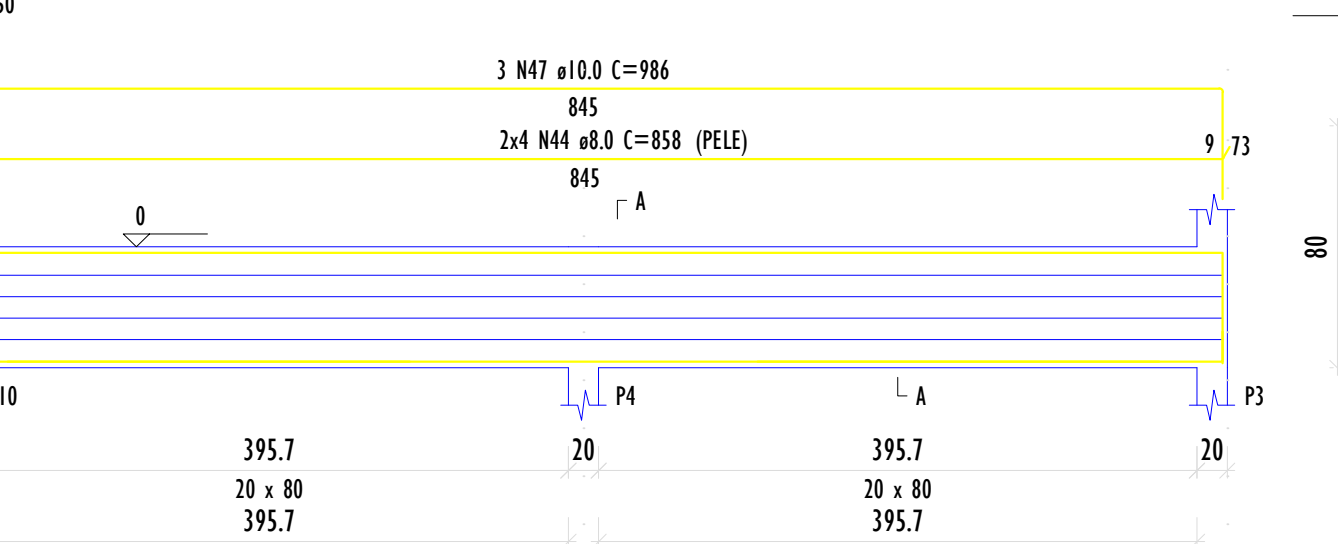
VB10 (20 x 40)



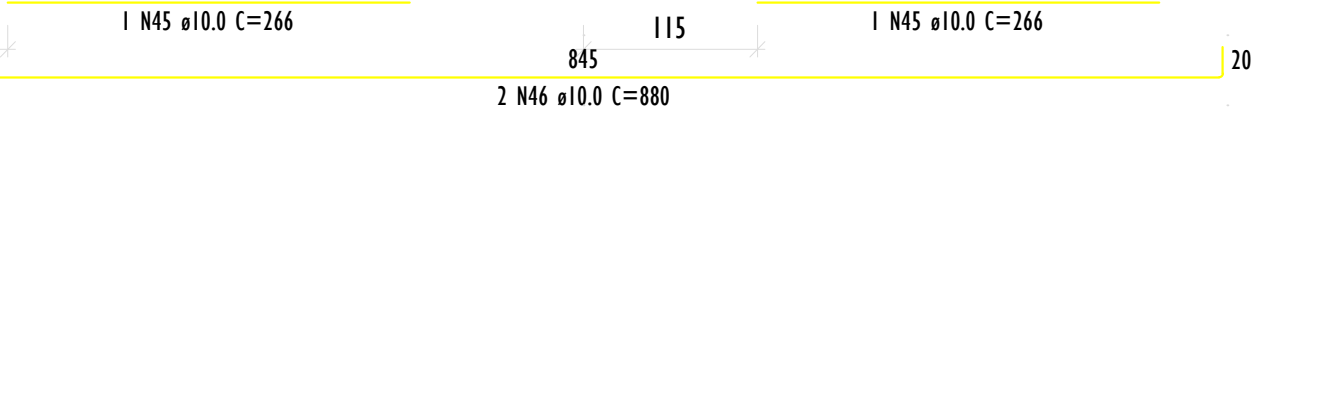
VB3 (20 x 70)



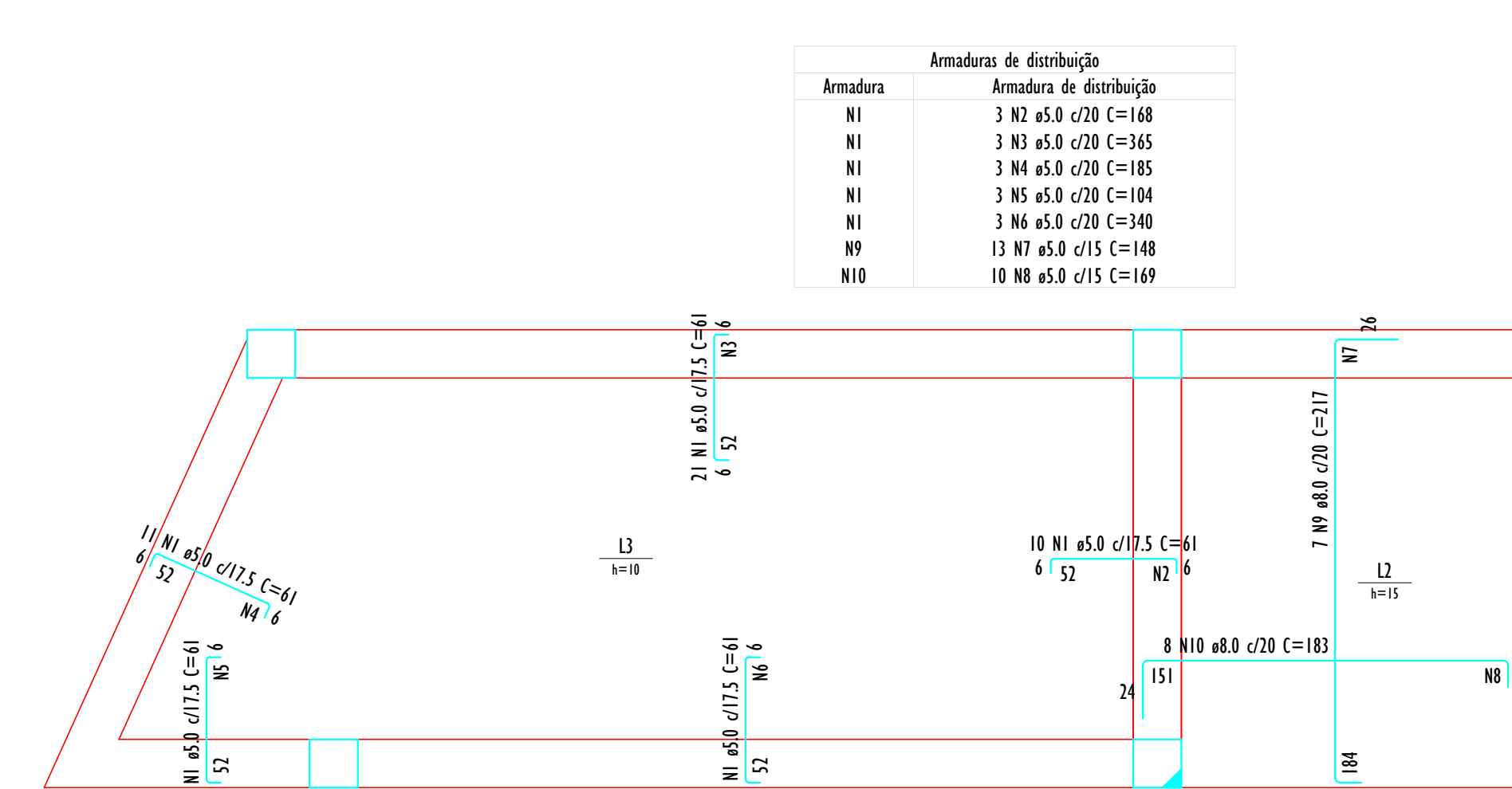
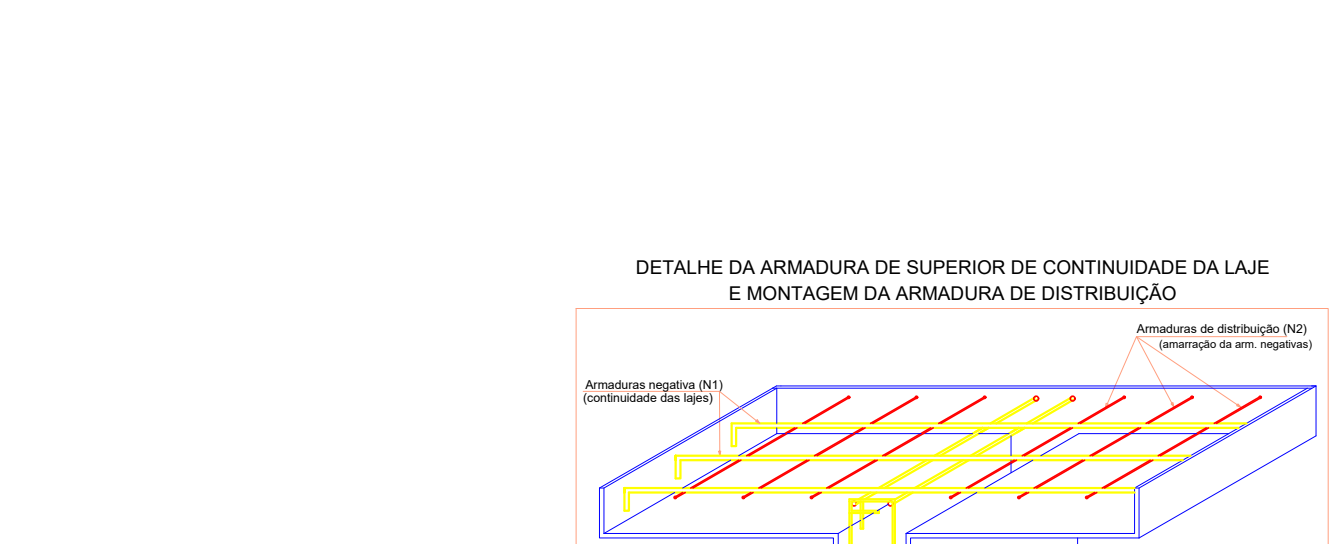
VB4 (20 x 40)



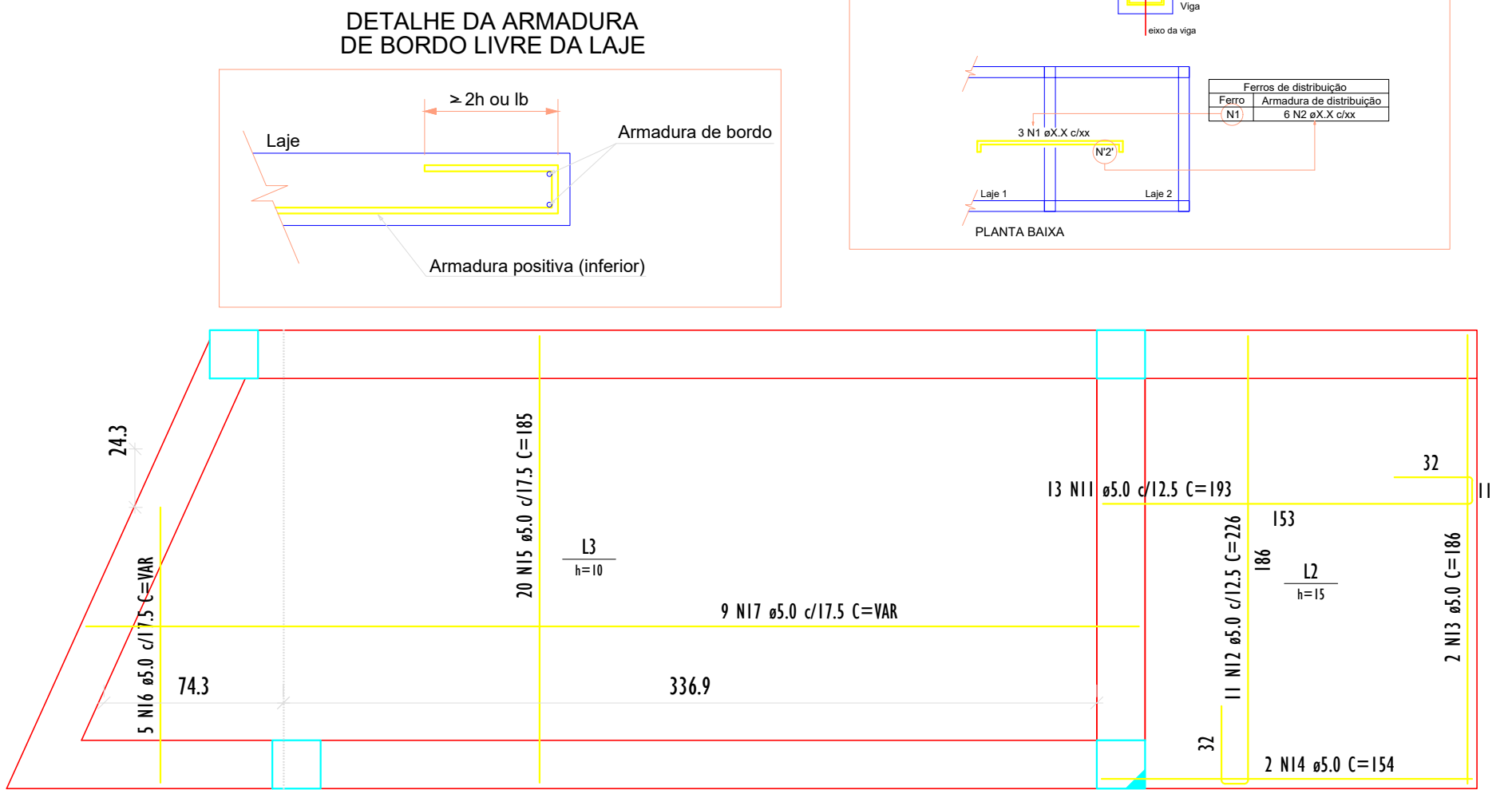
VB8 (20 x 80)



VB9 (20 x 40)



ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO NÍVEL TELHADO
ESCALA 1:25



ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO NÍVEL TELHADO
ESCALA 1:25

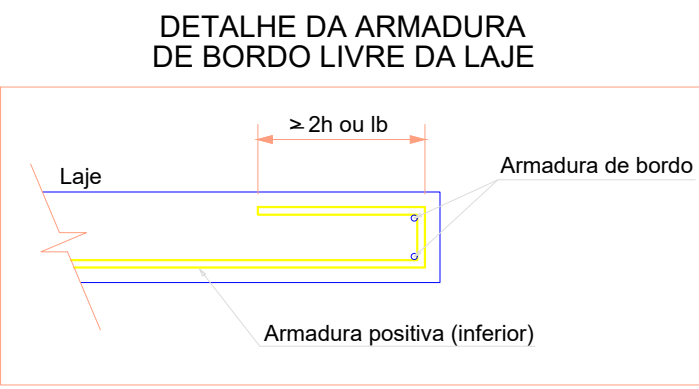
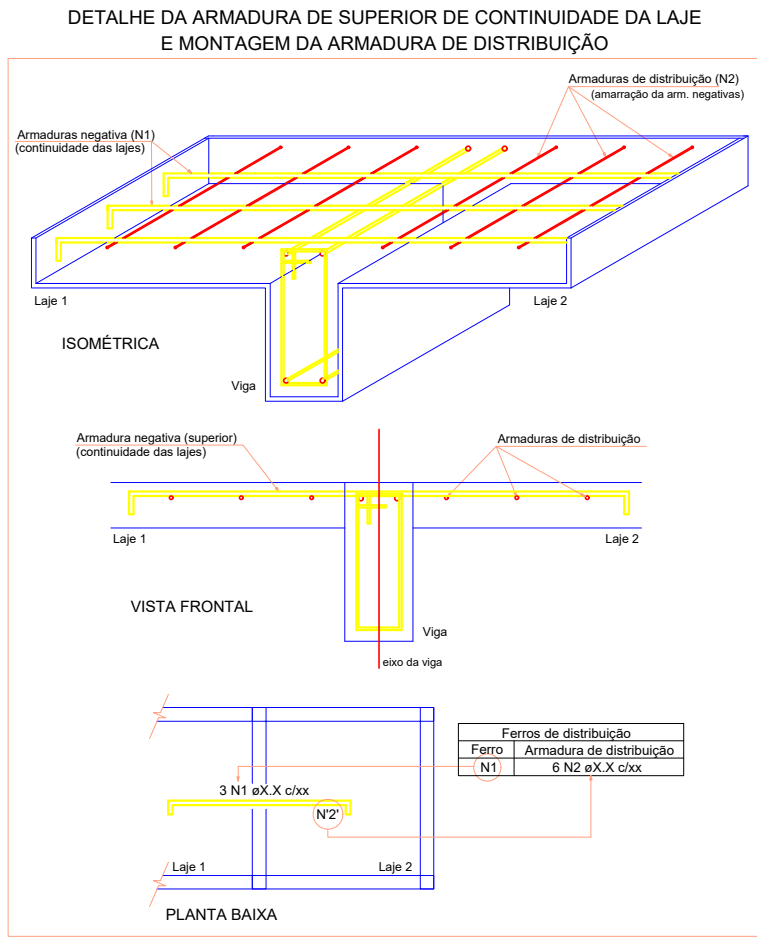
RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C,UNIT (cm)	C,TOTAL (cm)
VB1	CA60	1	5.0	24	187	4488
	CA60	2	5.0	4	228	912
	CA60	3	5.0	7	71	497
	CASO	4	6.3	2	88	176
	CASO	5	8.0	5	188	940
	CASO	6	8.0	8	466	3728
	CASO	7	10.0	6	131	786
	CASO	8	12.5	2	487	974
	CASO	9	12.5	1	255	255
	CASO	10	12.5	2	593	1186
VB2	CA60	11	5.0	18	107	1926
	CA60	12	5.0	4	71	284
	CASO	13	8.0	7	108	756
	CASO	14	8.0	4	95	380
	CASO	15	10.0	4	91	364
	CASO	16	12.5	1	386	386
	CASO	17	12.5	2	416	832
	CASO	18	12.5	2	199	398
	CASO	19	12.5	1	209	209
	CASO	20	12.5	3	442	1326
VB3	CA60	21	5.0	20	167	3340
	CASO	22	6.3	1	86	86
	CASO	23	8.0	6	339	2034
	CASO	24	10.0	3	361	1083
	CASO	25	10.0	3	447	1341
	CA60	26	5.0	39	107	4173
	CASO	27	8.0	4	124	496
	CASO	28	10.0	2	627	1254
	CASO	29	10.0	1	185	185
	CASO	30	10.0	2	670	1340
VB4	CA60	31	5.0	10	107	1070
	CASO	32	10.0	2	219	438
	CASO	33	10.0	2	245	490
	CA60	34	5.0	10	107	1070
	CASO	35	10.0	2	219	438
	CASO	36	10.0	2	245	490
	CA60	37	5.0	35	107	3745
	CA60	38	5.0	2	354	708
	CASO	39	10.0	1	334	334
	CASO	40	10.0	2	628	1256
VB5	CASO	41	10.0	2	153	306
	CASO	42	10.0	3	168	504
	CA60	43	5.0	50	187	9350
	CASO	44	8.0	8	858	6864
	CASO	45	10.0	2	266	532
	CASO	46	10.0	2	880	1760
	CASO	47	10.0	3	986	2958
	CA60	48	5.0	25	111	2775
	CA60	49	5.0	4	71	284
	CASO	50	8.0	8	112	896
VB6	CASO	51	8.0	4	98	392
	CASO	52	10.0	6	91	546
	CASO	53	12.5	1	98	98
	CASO	54	12.5	2	517	1034
	CASO	55	12.5	2	178	356
	CASO	56	12.5	1	228	228
	CASO	57	12.5	3	545	1635
	CA60	58	5.0	24	107	2568
	CASO	59	10.0	2	471	942
	CASO	60	10.0	2	497	994

RESUMO DO AÇO

AÇO	DIAM (mm)	C,TOTAL (m)	QUANT + 0% (Barras)	UNIT	PESO + 0% (kg)
CASO	6.3	2.4	1	12 m	0.6
CASO	8.0	164.9	14	12 m	65.1
CASO	10.0	183.4	16	12 m	113.1
CASO	12.5	89.2	8	12 m	85.9
CASO	5.0	371.9	31	12 m	57.3
PESO TOTAL (kg)					
CASO	264.7				
CA60	57.3				

Volume de concreto (C-30) = 4.50 m³
Área de forma = 53.40 m²



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C,UNIT (cm)	C,TOTAL (cm)
Negativos	CA60	1	5.0	67	61	4087
	CA60	2	5.0	3	168	504
	CA60	3	5.0	3	365	1095
	CA60	4	5.0	3	185	555
	CA60	5	5.0	3	104	312
	CA60	6	5.0	3	340	1020
	CA60	7	5.0	13	148	1924
	CA60	8	5.0	10	169	1690
	CASO	9	8.0	7	217	1519
	CASO	10	8.0	8	183	1464
Positivos	CA60	11	5.0	13	193	2509
	CA60	12	5.0	11	226	2486
	CA60	13	5.0	2	186	372
	CA60	14	5.0	2	154	308
	CA60	15	5.0	20	185	3700
	CA60	16	5.0	5	VAR	VAR
	CA60	17	5.0	9	VAR	VAR

RESUMO DO AÇO

AÇO	DIAM (mm)	C,TOTAL (m)	QUANT + 0% (Barras)	UNIT	PESO + 0% (kg)
CASO	8.0	29.8	3	12 m	11.8
CA60	5.0	250.6	21	12 m	38.6
PESO TOTAL (kg)					
CASO	11.8				
CA60	38.6				

Volume de concreto (C-30) = 0.92 m³
Área de forma = 8.58 m²

ProSen

Projetos & Serviços de Engenharia Ltda.

Prefeitura Municipal Santa Cruz do Escalvado

ESTADO DE MINAS GERAIS

Administração 2025-2028

ORBITO

REFORMA DO CORETO DA PRAÇA CÔNEGO JOSÉ LUCIANO

NO OPERAÇÃO

DATA

AGO 25

RESPONSÁVEL TÉCNICO PELO PROJETO

Eng. Civil WILSON DIAS DA FONSECA JR.

CPV

61.924 / D

PROFESSOR MUNICIPAL

GILMAR DE PAULA LIMA

PREÇO

697.293,526-15

CONTÉM

DETALHAMENTOS ESTRUTURAIS

LOCALIZAÇÃO

Rua Capitão Luiz Sette, Bairro Centro, Santa Cruz Esc.

PROGRAMA

RECURSOS PRÓPRIOS

INDICADAS

Indicadas

04/05