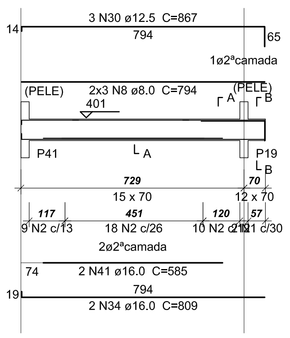
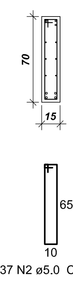
V275 (var)
ESC 1:100

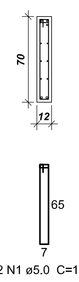


SEÇÃO A-A ESC 1:25



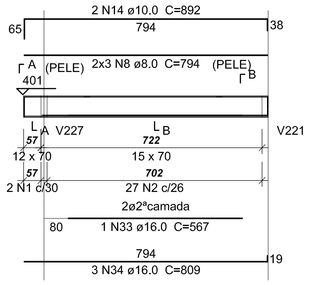
37 N2 ø5.0 C=162

SEÇÃO B-B ESC 1:25

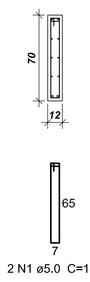


2 N1 ø5.0 C=156

V276 (var)
ESC 1:100

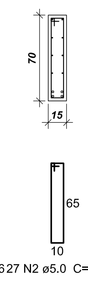


SEÇÃO A-A ESC 1:25



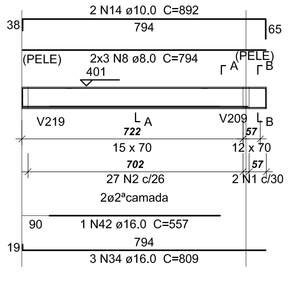
2 N1 ø5.0 C=156

SEÇÃO B-B ESC 1:25

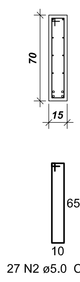


27 N2 ø5.0 C=162

V277 (var)
ESC 1:100

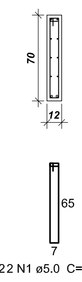


SEÇÃO A-A ESC 1:25



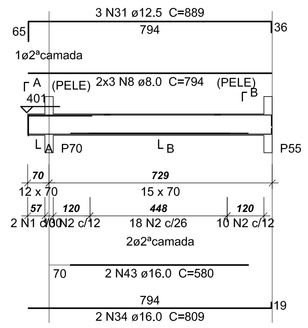
27 N2 ø5.0 C=162

SEÇÃO B-B ESC 1:25

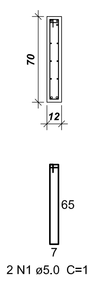


2 N1 ø5.0 C=156

V278 (var)
ESC 1:100

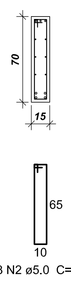


SEÇÃO A-A ESC 1:25



2 N1 ø5.0 C=156

SEÇÃO B-B ESC 1:25

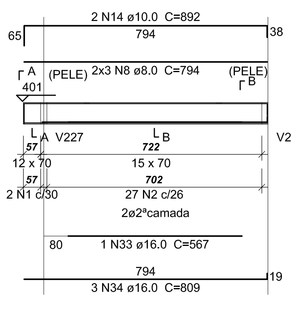


38 N2 ø5.0 C=162

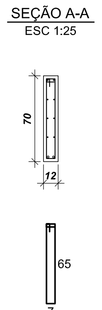
Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	190	156	29640
	2	5.0	221	162	35802
	3	5.0	184	172	31648
	4	5.0	36	82	2952
	5	5.0	15	122	1830
CA50	6	6.3	12	140	1680
	7	6.3	12	149	1788
	7A	6.3	468	72	33696
	8	8.0	36	794	28584
	9	8.0	6	1200	7200
	10	8.0	6	853	5118
	11	8.0	12	722	8664
	12	8.0	6	737	4422
	13	8.0	6	79	474
	14	10.0	8	892	7136
	15	10.0	4	170	680
	16	10.0	4	230	920
	17	10.0	6	741	4446
	18	10.0	4	154	616
	19	10.0	4	204	816
	20	10.0	2	777	1554
	21	10.0	2	795	1590
	22	10.0	2	214	428
	23	10.0	2	269	538
	24	10.0	2	223	446
	25	10.0	2	267	534
	25A	8.0	156	75	11700
	25B	8.0	156	162	25272
	26	12.5	1	445	445
	27	12.5	3	726	2178
	28	12.5	2	575	1150
	29	12.5	2	746	1492
	30	12.5	3	867	2601
	31	12.5	3	889	2667
	32	12.5	2	888	1776
	33	16.0	3	567	1701
	34	16.0	18	809	14562
	35	16.0	4	720	2880
	36	16.0	2	1171	2342
	37	16.0	2	881	1762
	38	16.0	2	705	1410
	39	16.0	2	1196	2392
	40	16.0	2	1033	2066
	41	16.0	4	585	2340
	42	16.0	1	557	557
	43	16.0	2	580	1160

V280 (var)
ESC 1:100

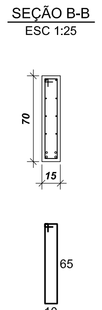


SEÇÃO A-A ESC 1:25



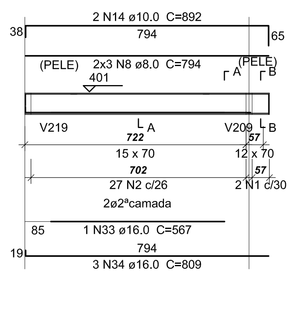
2 N1 ø5.0 C=156

SEÇÃO B-B ESC 1:25

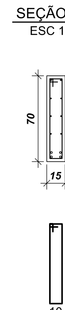


27 N2 ø5.0 C=162

V281 (var)
ESC 1:100

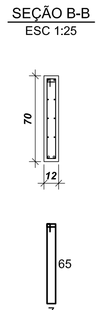


SEÇÃO A-A ESC 1:25



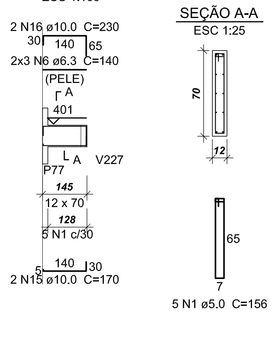
2 N1 ø5.0 C=156

SEÇÃO B-B ESC 1:25



27 N2 ø5.0 C=162

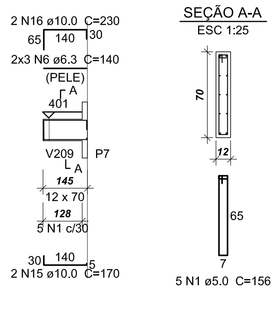
V282 (12 x 70)
ESC 1:100



SEÇÃO A-A ESC 1:25

5 N1 ø5.0 C=156

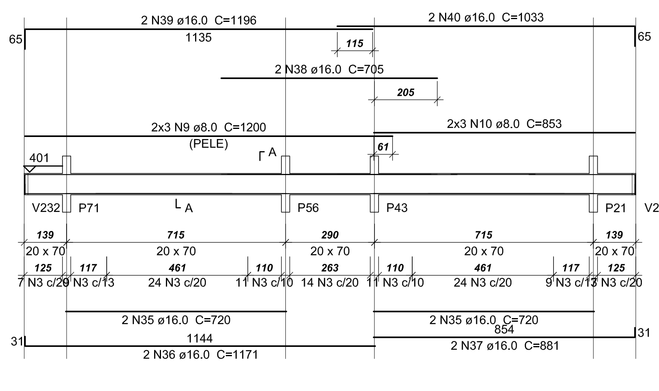
V283 (12 x 70)
ESC 1:100



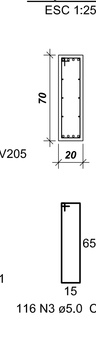
SEÇÃO A-A ESC 1:25

5 N1 ø5.0 C=156

V284 (20 x 70)
ESC 1:100



SEÇÃO A-A ESC 1:25



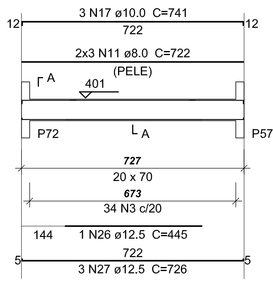
116 N3 ø5.0 C=172

Resumo do aço

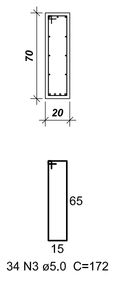
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	371.7	91.0
	8.0	924.5	364.7
	10.0	197.1	121.5
	12.5	123.1	118.6
	16.0	331.8	523.6
CA60	5.0	1018.8	157.0
PESO TOTAL			
CA50	1219.4		
CA60	157.0		

Vol. de concreto total (C-25) = 16.78 m³
Área de forma total = 252.27 m²

V287 (20 x 70)
ESC 1:100

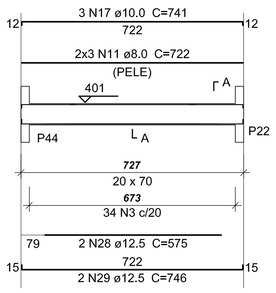


SEÇÃO A-A ESC 1:25

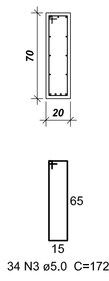


34 N3 ø5.0 C=172

V288 (20 x 70)
ESC 1:100

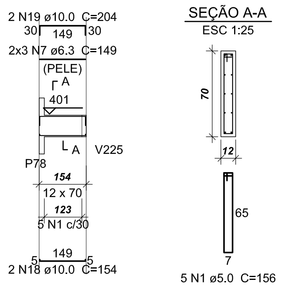


SEÇÃO A-A ESC 1:25



34 N3 ø5.0 C=172

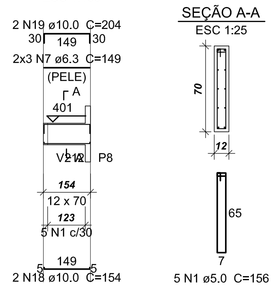
V289 (12 x 70)
ESC 1:100



SEÇÃO A-A ESC 1:25

5 N1 ø5.0 C=156

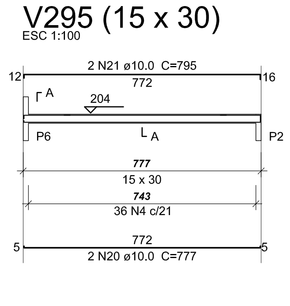
V290 (12 x 70)
ESC 1:100



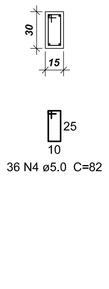
SEÇÃO A-A ESC 1:25

5 N1 ø5.0 C=156

V295 (15 x 30)
ESC 1:100



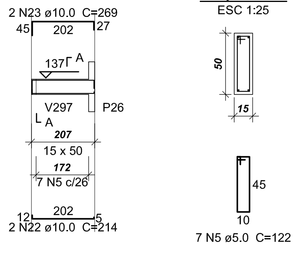
SEÇÃO A-A ESC 1:25



36 N4 ø5.0 C=82

V275 V276 V277
V278 V279 V280
V281 V282 V283
V284 V287 V288
V289 V290 V295
V296 V297

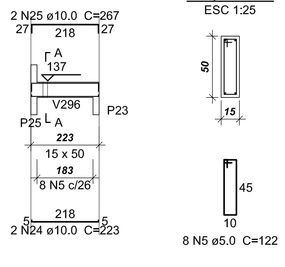
V296 (15 x 50)
ESC 1:100



SEÇÃO A-A ESC 1:25

7 N5 ø5.0 C=122

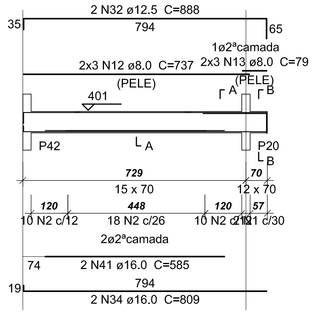
V297 (15 x 50)
ESC 1:100



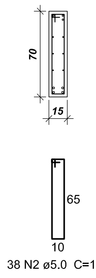
SEÇÃO A-A ESC 1:25

8 N5 ø5.0 C=122

V279 (var)
ESC 1:100

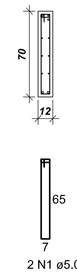


SEÇÃO A-A ESC 1:25



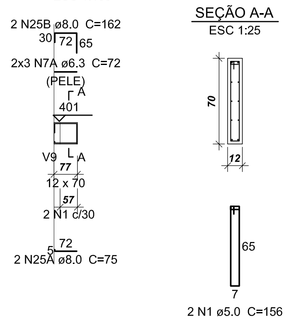
38 N2 ø5.0 C=162

SEÇÃO B-B ESC 1:25



2 N1 ø5.0 C=156

78x VA (12 x 70)
ESC 1:100



SEÇÃO A-A ESC 1:25

2 N1 ø5.0 C=156

01	18.06.2013
Nº	DATA

PROJETO ESTRUTURAL
RESPONSÁVEL
DESCRIÇÃO DA REVISÃO:

AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Paraná
asbuiltprojetos@gmail.com - (41)3088-4949

FASE:
PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA:
ADMINISTRAÇÃO
CAMPUS JANAÚBA

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI
CNPJ 16.886.315/0001-57

FRANCHA: FERRAGENS DAS VIGAS: SEGUNDO PAVIMENTO (4)

AUTOR PROJETO:
CARLOS HENRIQUE DE SOUZA GONÇALVES
CREA 79820/D - Pr

ESCALA: INDICADA
DESENHO: EQUIPE
VERSÃO: VERSAO 1
DATA: 18/06/2013
AREA CONSTRUIDA: 3056,63m²
FOLHA: EST 13/22
ARQUIVO: