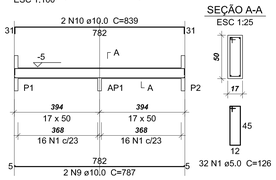
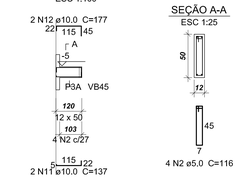
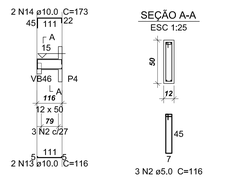
VB1 (17 x 50)
ESC 1:100



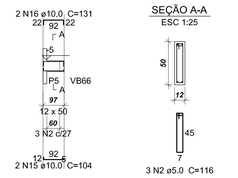
VB2 (12 x 50)
ESC 1:100



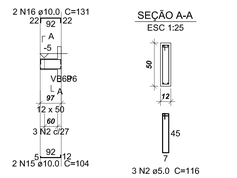
VB3 (12 x 50)
ESC 1:100



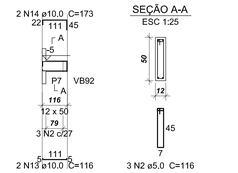
VB4 (12 x 50)
ESC 1:100



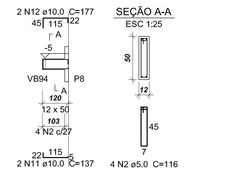
VB5 (12 x 50)
ESC 1:100



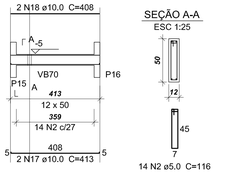
VB6 (12 x 50)
ESC 1:100



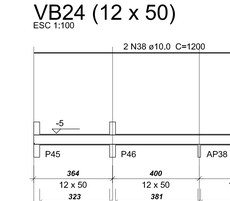
VB7 (12 x 50)
ESC 1:100



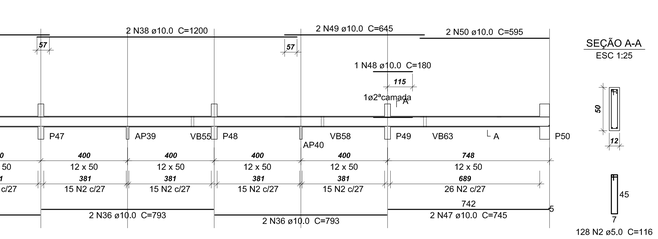
VB8 (12 x 50)
ESC 1:100



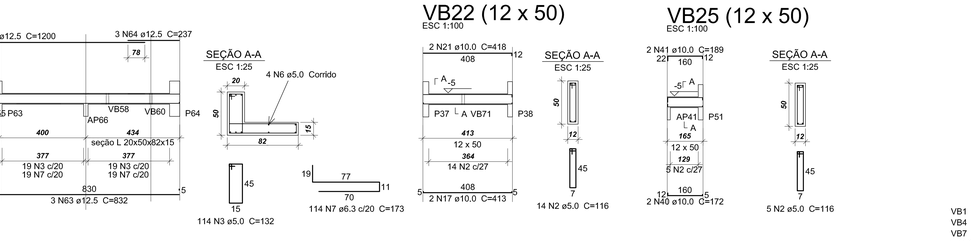
VB9 (12 x 50)
ESC 1:100



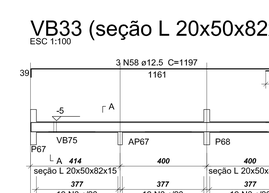
VB10 (var)
ESC 1:100



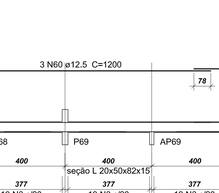
VB11 (seção L 20x50x82x15)
ESC 1:100



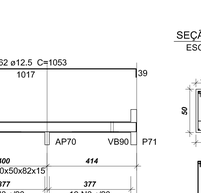
VB12 (12 x 50)
ESC 1:100



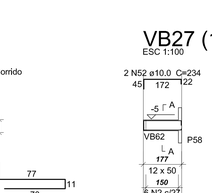
VB14 (20 x 50)
ESC 1:100



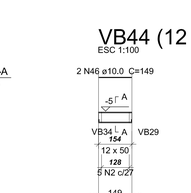
VB15 (12 x 50)
ESC 1:100



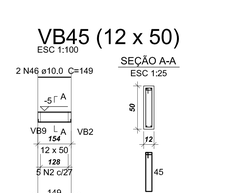
VB16 (12 x 50)
ESC 1:100



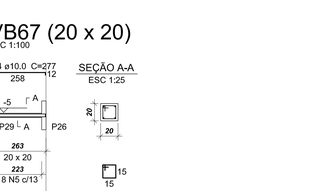
VB17 (12 x 50)
ESC 1:100



VB18 (12 x 50)
ESC 1:100



VB19 (var)
ESC 1:100



VB20 (12 x 50)
ESC 1:100

VB21 (12 x 50)
ESC 1:100

VB23 (12 x 50)
ESC 1:100

VB24 (12 x 50)
ESC 1:100

VB30 (seção L 20x50x82x15)
ESC 1:100

VB22 (12 x 50)
ESC 1:100

VB25 (12 x 50)
ESC 1:100

VB33 (seção L 20x50x82x15)
ESC 1:100

VB27 (12 x 50)
ESC 1:100

VB44 (12 x 50)
ESC 1:100

VB45 (12 x 50)
ESC 1:100

VB67 (20 x 20)
ESC 1:100

Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	32	126	4032
	2	5.0	551	116	63916
	3	5.0	584	132	77088
	4	5.0	8	corr	4824
	5	5.0	18	72	1296
	6	5.0	4	corrido	12908
CA50	7	6.3	532	173	92036
	8	6.3	1	92	92
	9	10.0	2	787	1574
	10	10.0	2	839	1678
	11	10.0	4	137	548
	12	10.0	4	177	708
	13	10.0	4	116	464
	14	10.0	4	173	692
	15	10.0	4	104	416
	16	10.0	4	131	524
	17	10.0	4	413	1652
	18	10.0	2	408	816
	19	10.0	4	479	1916
	20	10.0	4	500	2000
	21	10.0	2	418	836
	22	10.0	2	480	960
	23	10.0	2	513	1026
	24	10.0	2	221	442
	25	10.0	2	248	496
	26	10.0	4	194	776
	27	10.0	4	218	872
	28	10.0	2	226	452
	29	10.0	2	269	538
	30	10.0	4	202	808
	31	10.0	2	230	460
	32	10.0	2	668	1336
	33	10.0	2	926	1852
	34	10.0	2	946	1892
	35	10.0	6	1161	6966
	36	10.0	12	793	9516
	37	10.0	2	426	852
	38	10.0	12	1200	14400
	39	10.0	2	921	1842
	40	10.0	2	172	344
	41	10.0	2	189	378
	42	10.0	2	811	1622
	43	10.0	2	1140	2280
	44	10.0	2	164	328
	45	10.0	4	168	672
	46	10.0	4	149	596
	47	10.0	2	745	1490
	48	10.0	1	180	180
	49	10.0	2	645	1290
	50	10.0	2	595	1190
	51	10.0	2	184	368
	52	10.0	2	234	468
	53	10.0	2	263	526
	54	10.0	2	277	554
	55	12.5	18	812	14616
	56	12.5	21	798	16758
	57	12.5	2	427	854
	58	12.5	12	1197	14364
	59	12.5	1	1058	1058
	60	12.5	11	1200	13200
	61	12.5	2	643	1286
	62	12.5	6	1053	6318
	63	12.5	3	832	2496
	64	12.5	3	237	711

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	921.3	225.4
	10.0	716	441.4
	12.5	716.7	690.3
CA60	5.0	1640.7	261.6
PESO TOTAL			
CA50	1357.2		
CA60	261.6		

Vol. de concreto total (C-25) = 22.47 m³
Área de forma total = 293.46 m²

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB12
VB14	VB15	VB16
VB17	VB18	VB19
VB20	VB21	VB22
VB23	VB24	VB25
VB27	VB30	VB33
VB44	VB45	VB67

Nº	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:
01	22.07.2013		PROJETO ESTRUTURAL

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 UNAÍ

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI — CNPJ 16.888.315/0001-57

PRANCHA: FERRAGENS DAS VIGAS: BALDRAMES (1)

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

ESCALA: INDICADA — DESENHO: EQUIPE

VERSÃO: VERSAO 1 — DATA: 22/07/2013 — ÁREA CONSTRUÍDA: 3056,63m² — FOLHA: EST 05/22

ARQUIVO: