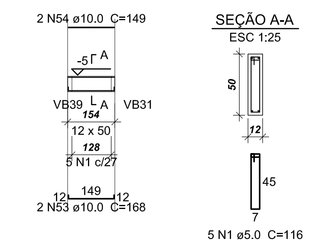
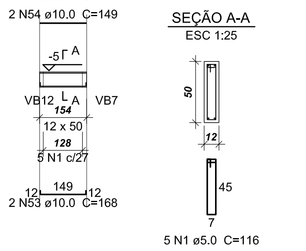
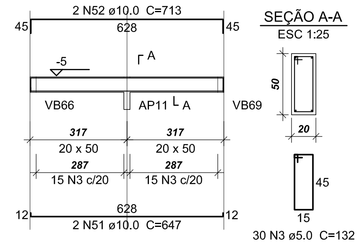
VB93 (12 x 50)
ESC 1:100



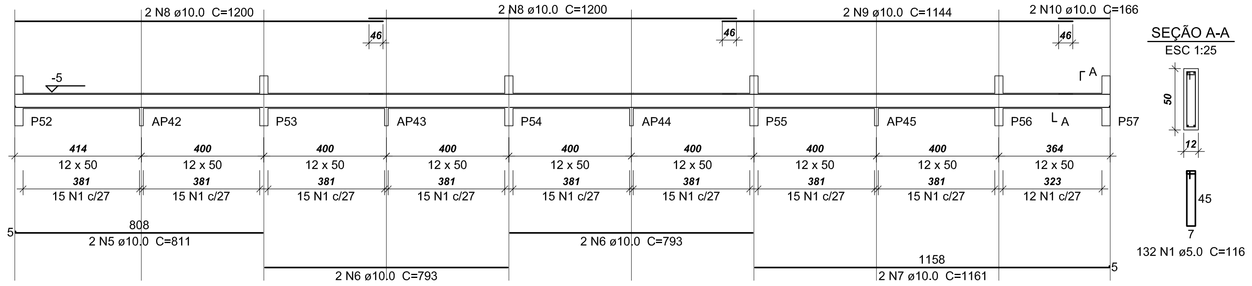
VB94 (12 x 50)
ESC 1:100



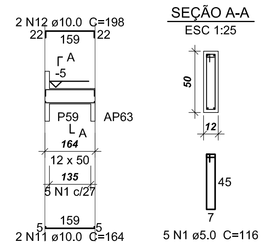
VB13 (20 x 50)
ESC 1:100



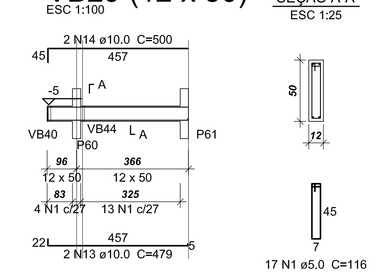
VB26 (12 x 50)
ESC 1:100



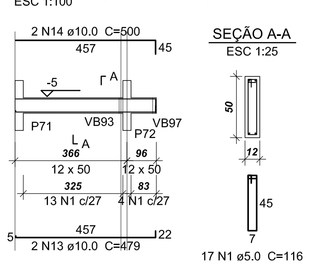
VB28 (12 x 50)
ESC 1:100



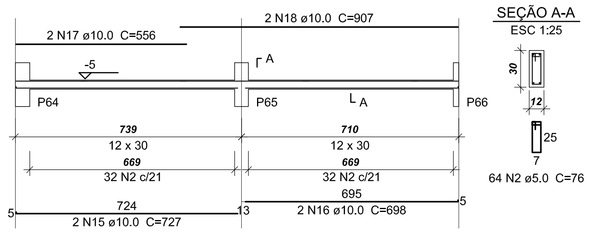
VB29 (12 x 50)
ESC 1:100



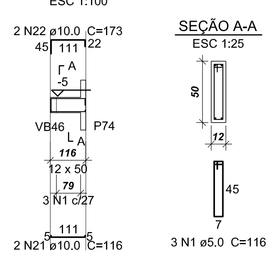
VB31 (12 x 50)
ESC 1:100



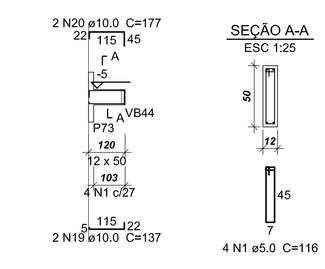
VB32 (12 x 30)
ESC 1:100



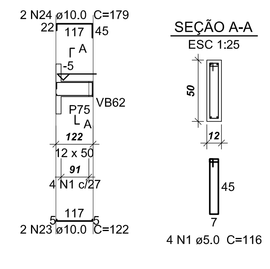
VB35 (12 x 50)
ESC 1:100



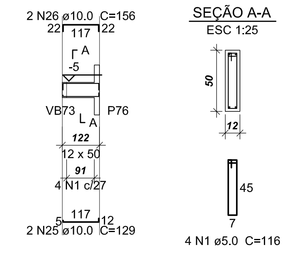
VB34 (12 x 50)
ESC 1:100



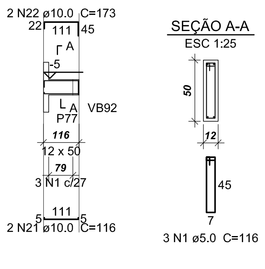
VB36 (12 x 50)
ESC 1:100



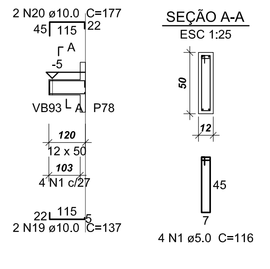
VB37 (12 x 50)
ESC 1:100



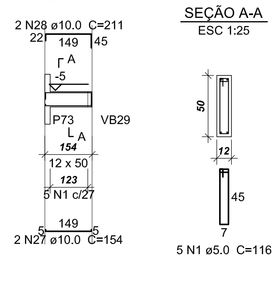
VB38 (12 x 50)
ESC 1:100



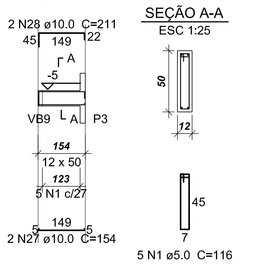
VB39 (12 x 50)
ESC 1:100



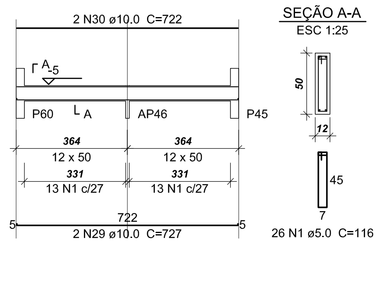
VB40 (12 x 50)
ESC 1:100



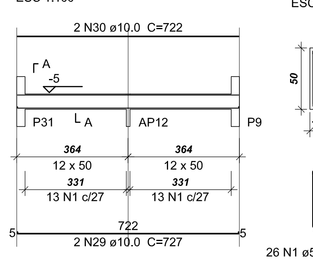
VB41 (12 x 50)
ESC 1:100



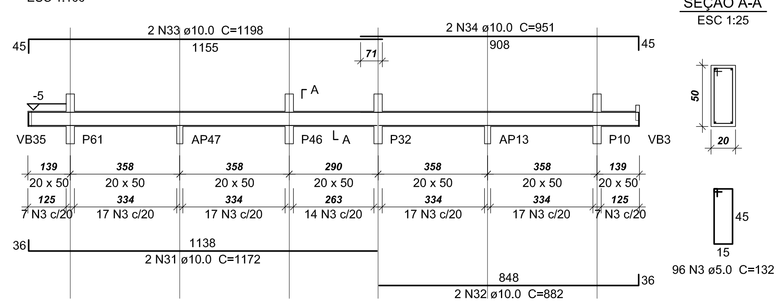
VB42 (12 x 50)
ESC 1:100



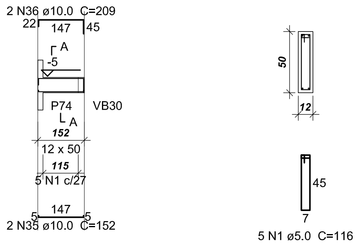
VB43 (12 x 50)
ESC 1:100



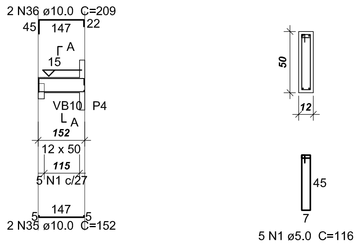
VB46 (20 x 50)
ESC 1:100



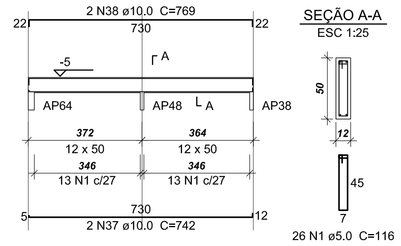
VB47 (12 x 50)
ESC 1:100



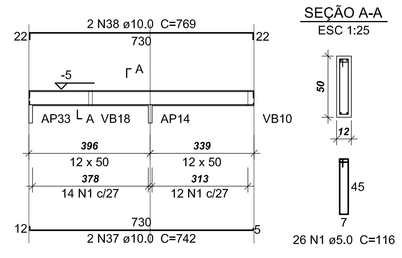
VB48 (12 x 50)
ESC 1:100



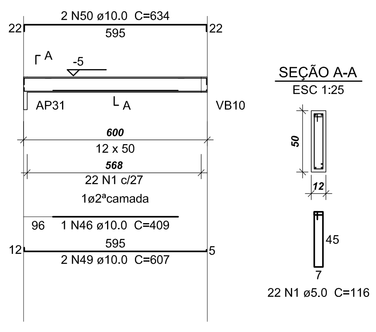
VB49 (12 x 50)
ESC 1:100



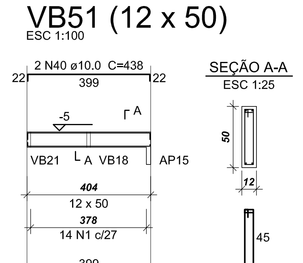
VB50 (12 x 50)
ESC 1:100



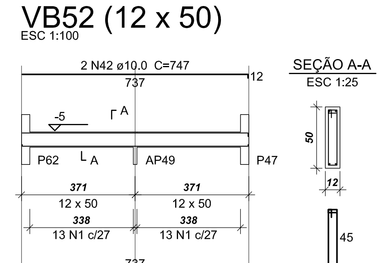
VB57 (12 x 50)
ESC 1:100



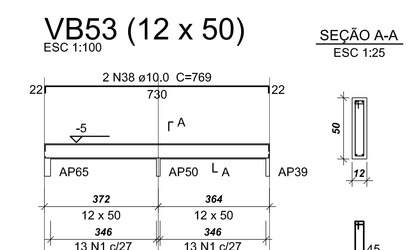
VB51 (12 x 50)
ESC 1:100



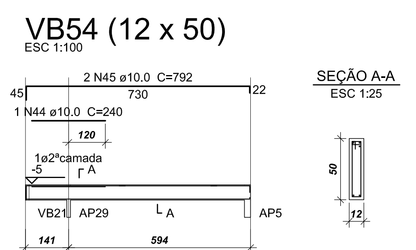
VB52 (12 x 50)
ESC 1:100



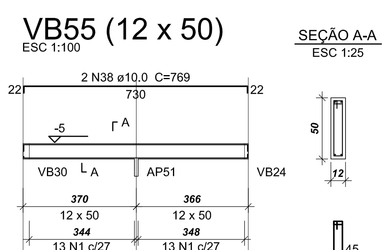
VB53 (12 x 50)
ESC 1:100



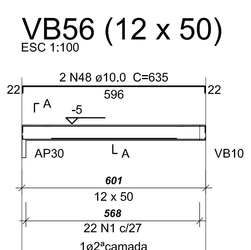
VB54 (12 x 50)
ESC 1:100



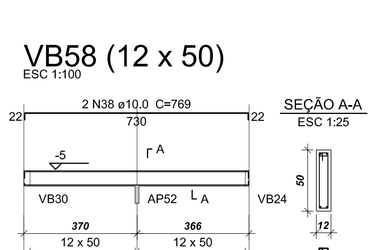
VB55 (12 x 50)
ESC 1:100



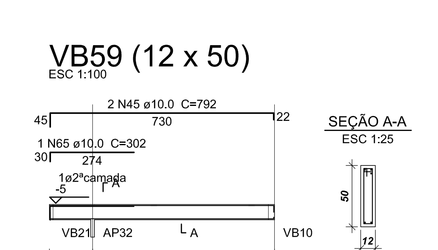
VB56 (12 x 50)
ESC 1:100



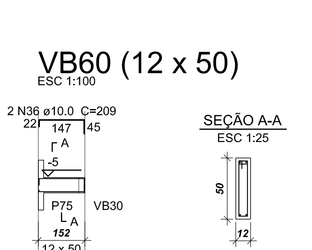
VB58 (12 x 50)
ESC 1:100



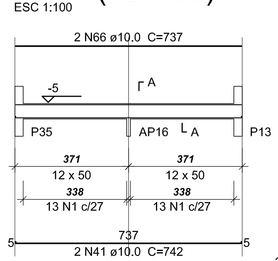
VB59 (12 x 50)
ESC 1:100



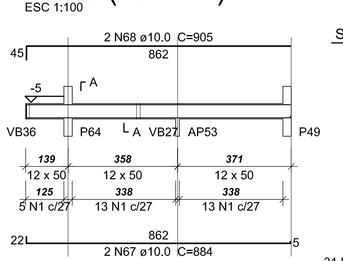
VB60 (12 x 50)
ESC 1:100



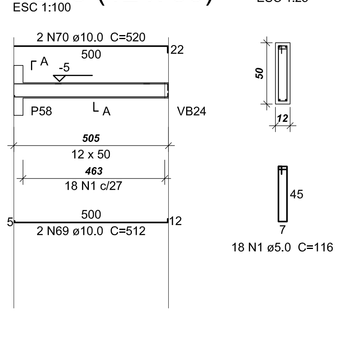
VB61 (12 x 50)
ESC 1:100



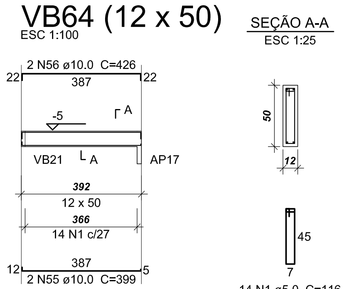
VB62 (12 x 50)
ESC 1:100



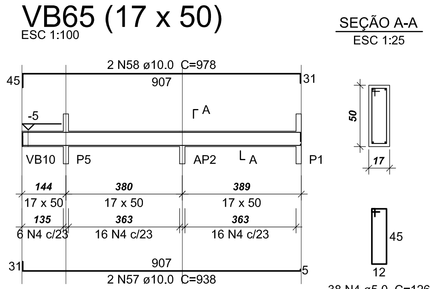
VB63 (12 x 50)
ESC 1:100



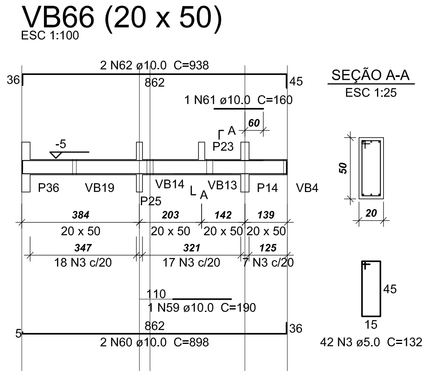
VB64 (12 x 50)
ESC 1:100



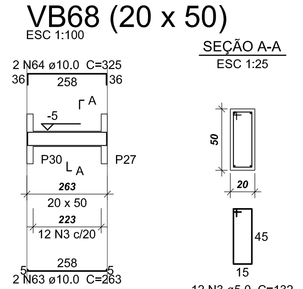
VB65 (17 x 50)
ESC 1:100



VB66 (20 x 50)
ESC 1:100



VB68 (20 x 50)
ESC 1:100



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	637	116	73892
	2	5.0	64	76	4864
	3	5.0	180	132	23760
	4	5.0	38	126	4788
CA50	5	10.0	2	811	1622
	6	10.0	4	793	3172
	7	10.0	2	1161	2322
	8	10.0	4	1200	4800
	9	10.0	2	1144	2288
	10	10.0	2	166	332
	11	10.0	2	164	328
	12	10.0	2	198	396
	13	10.0	4	479	1916
	14	10.0	4	500	2000
	15	10.0	2	727	1454
	16	10.0	2	698	1396
	17	10.0	2	556	1112
	18	10.0	2	907	1814
	19	10.0	4	137	548
	20	10.0	4	177	708
	21	10.0	4	116	464
	22	10.0	4	173	692
	23	10.0	2	122	244
	24	10.0	2	179	358
	25	10.0	2	129	258
	26	10.0	2	156	312
	27	10.0	4	154	616
	28	10.0	4	211	844
	29	10.0	4	727	2908
	30	10.0	4	722	2888
	31	10.0	2	1172	2344
	32	10.0	2	882	1764
	33	10.0	2	1198	2396
	34	10.0	2	951	1902
	35	10.0	6	152	912
	36	10.0	6	209	1254
	37	10.0	10	742	7420
	38	10.0	10	769	7690
	39	10.0	2	411	822
	40	10.0	2	438	876
	41	10.0	4	742	2968
	42	10.0	2	747	1494
	43	10.0	4	752	3008
	44	10.0	1	240	240
	45	10.0	4	792	3168
	46	10.0	2	409	818
	47	10.0	2	608	1216
	48	10.0	2	635	1270
	49	10.0	2	607	1214
	50	10.0	2	634	1268
	51	10.0	2	647	1294
	52	10.0	2	713	1426
	53	10.0	4	168	672
	54	10.0	4	149	596
	55	10.0	2	399	798
	56	10.0	2	426	852
	57	10.0	2	938	1876
	58	10.0	2	978	1956
	59	10.0	1	190	190
	60	10.0	2	898	1796
	61	10.0	1	160	160
	62	10.0	2	938	1876
	63	10.0	2	263	526
	64	10.0	2	325	650
	65	10.0	1	302	302
	66	10.0	2	737	1474
	67	10.0	2	884	1768
	68	10.0	2	905	1810
	69	10.0	2	512	1024
	70	10.0	2	520	1040

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	1019.3	628.4
CA60	5.0	1073.1	165.4
PESO TOTAL			
CA50	628.4		
CA60	165.4		

Vol. de concreto total (C-25) = 15.8 m³
Área de forma total = 266.71 m²

VB13	VB26	VB28
VB29	VB31	VB32
VB34	VB35	VB36
VB37	VB38	VB39
VB40	VB41	VB42
VB43	VB46	VB47
VB48	VB49	VB50
VB51	VB52	VB53
VB54	VB55	VB56
VB57	VB58	VB59
VB60	VB61	VB62
VB63	VB64	VB65
VB66	VB68	VB93
VB94		

Nº	DATA	RESPONSAVEL	DESCRIÇÃO DA REVISÃO:
01	18.06.2013		PROJETO ESTRUTURAL

AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Parana
asbuiltprojetos@gmail.com - (41)3068-4949

FASE: PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA: ADMINISTRAÇÃO
CAMPUS JANAÚBA

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

PRANCHA: FERRAGENS DAS VIGAS: BALDRAMES (2)

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

ESCALA: INDICADA — DESENHO: EQUIPE

VERSÃO: VERSAO 1 — DATA: 18/06/2013 — ÁREA CONSTRUÍDA: 3056,63m² — FOLHA: EST 06/22

ARQUIVO: