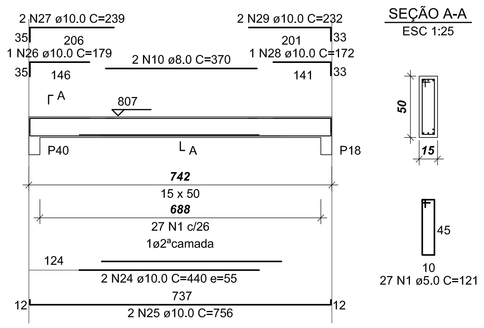
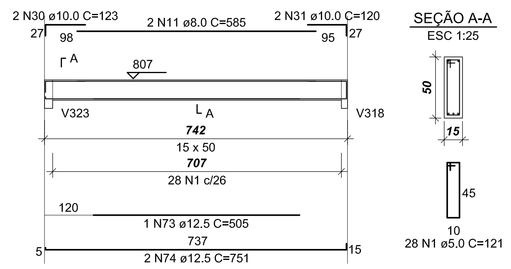
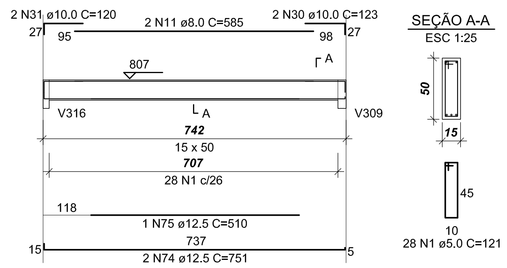
V364 (15 x 50)
ESC 1:75



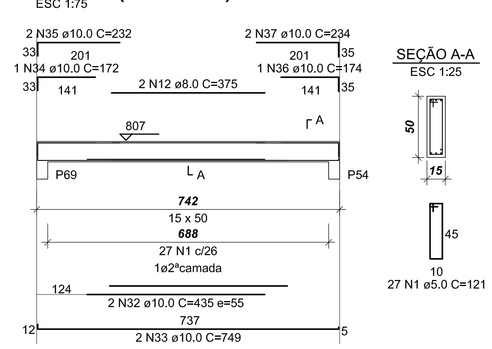
V365 (15 x 50)
ESC 1:75



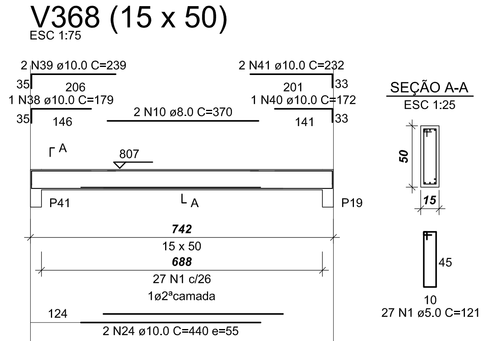
V366 (15 x 50)
ESC 1:75



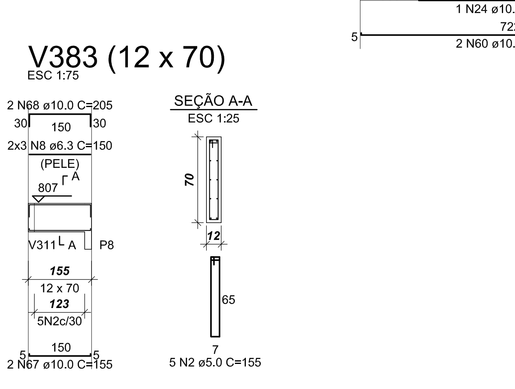
V367 (15 x 50)
ESC 1:75



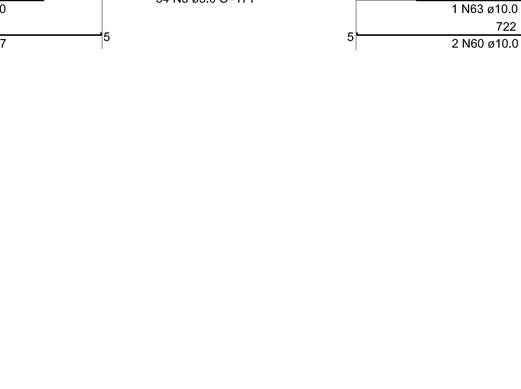
V368 (15 x 50)
ESC 1:75



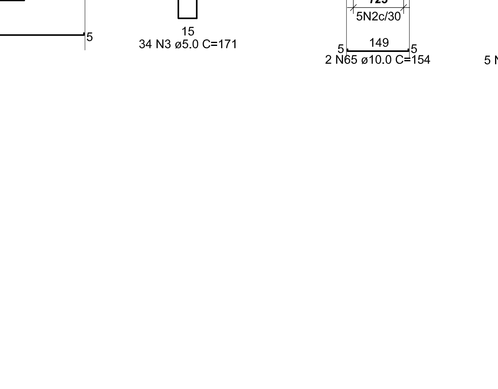
V369 (15 x 50)
ESC 1:75



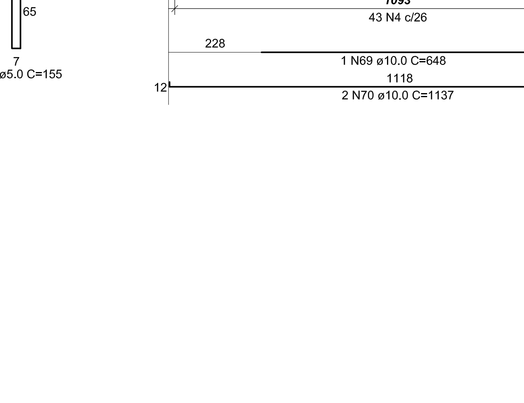
V370 (15 x 50)
ESC 1:75



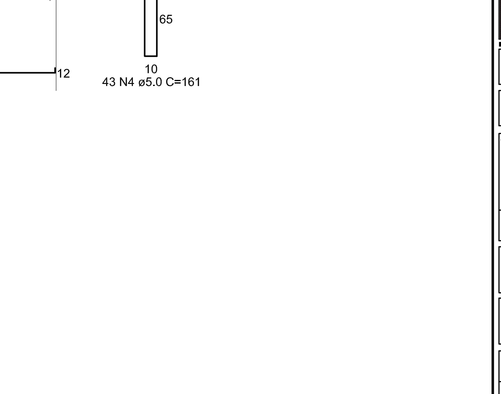
V371 (15 x 50)
ESC 1:75



V372 (15 x 50)
ESC 1:75



V373 (15 x 50)
ESC 1:75



V374 (15 x 50)
ESC 1:75

V375 (12 x 70)
ESC 1:75

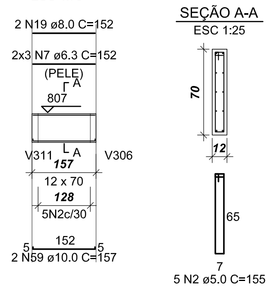
V376 (12 x 70)
ESC 1:75

V377 (20 x 70)
ESC 1:75

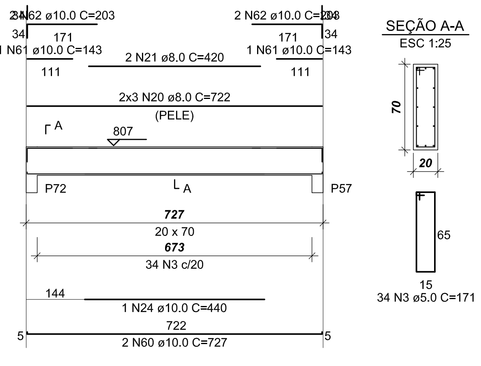
V378 (12 x 70)
ESC 1:75

V385 (12 x 70)
ESC 1:75

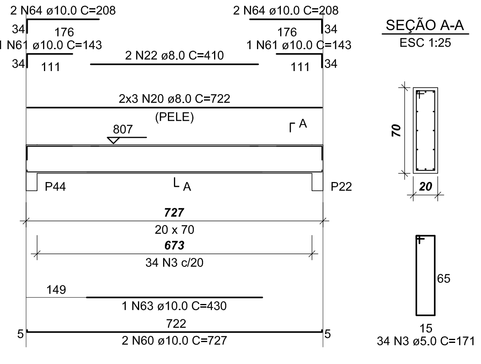
V379 (12 x 70)
ESC 1:75



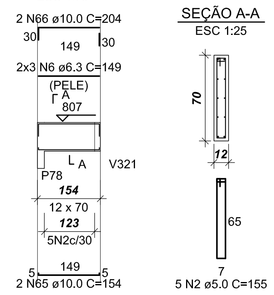
V380 (20 x 70)
ESC 1:75



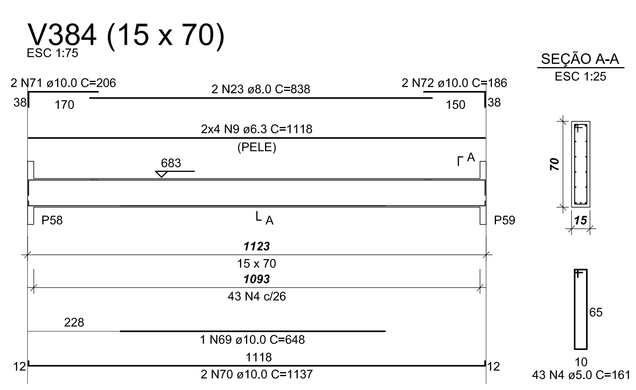
V381 (20 x 70)
ESC 1:75



V382 (12 x 70)
ESC 1:75



V384 (15 x 70)
ESC 1:75



V383 (12 x 70)
ESC 1:75

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	303	121	36663
	2	5.0	35	155	5425
	3	5.0	166	171	28386
	4	5.0	43	161	6923
50	5	6.3	18	140	2520
	6	6.3	12	149	1788
	7	6.3	6	152	912
	8	6.3	6	150	900
	9	6.3	8	1118	8944
	10	8.0	8	370	2960
	11	8.0	10	585	5850
	12	8.0	2	375	750
	13	8.0	2	590	1180
	14	8.0	6	1200	7200
	15	8.0	6	853	5118
	16	8.0	2	405	810
	17	8.0	2	400	800
	18	8.0	2	149	298
	19	8.0	2	152	304
	20	8.0	12	722	8664
	21	8.0	2	420	840
	22	8.0	2	410	820
	23	8.0	2	838	1676
	24	10.0	7	440	3080
	25	10.0	8	756	6048
	26	10.0	2	179	358
	27	10.0	6	239	1434
	28	10.0	3	172	516
	29	10.0	6	232	1392
	30	10.0	12	123	1476
	31	10.0	10	120	1200
	32	10.0	4	435	1740
	33	10.0	4	749	2996
	34	10.0	1	172	172
	35	10.0	2	232	464
	36	10.0	1	174	174
	37	10.0	2	234	468
	38	10.0	1	179	179
	39	10.0	2	239	478
	40	10.0	1	172	172
	41	10.0	2	232	464
	42	10.0	1	174	174
	43	10.0	4	520	2080
	44	10.0	2	742	1484
	45	10.0	2	115	230
	46	10.0	6	170	1020
	47	10.0	6	230	1380
	48	10.0	1	165	165
	49	10.0	2	410	820
	50	10.0	1	283	283
	51	10.0	2	1170	2340
	52	10.0	1	108	108
	53	10.0	2	880	1760
	54	10.0	2	180	360
	55	10.0	4	339	1356
	56	10.0	1	550	550
	57	10.0	2	715	1430
	58	10.0	2	161	322
	59	10.0	2	157	314
	60	10.0	4	727	2908
	61	10.0	4	143	572
	62	10.0	4	203	812
	63	10.0	1	430	430
	64	10.0	4	208	832
	65	10.0	2	154	308
	66	10.0	2	204	408
	67	10.0	2	155	310
	68	10.0	2	205	410
	69	10.0	1	648	648
	70	10.0	2	1137	2274
	71	10.0	2	206	412
	72	10.0	2	186	372
	73	12.5	2	505	1010
	74	12.5	8	751	6008
	75	12.5	2	510	1020

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	6.3	150.6	36.9
	8.0	372.7	147.3
	10.0	496.8	306.4
	12.5	80.4	77.5
CA60	5.0	776.7	119.6
PESO TOTAL			
CA50		568.1	
CA60		119.6	

Vol. de concreto total (C-25) =13.02 m³
Área de forma total = 182.52 m²

V364 V365 V366
V367 V368 V369
V370 V371 V372
V373 V374 V375
V376 V377 V378
V379 V380 V381
V382 V383 V384
V385

01:	18.06.2013	PROJETO ESTRUTURAL	
Nº:	DATA	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 CAMPUSJANAÚBA

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

PRANCHA: FERRAGENS DAS VIGAS: PAVIMENTO COBERTURA(4)

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

ESCALA: INDICADA			DESENHO: EQUIPE
VERSÃO: VERSAO 1	DATA: 18/06/2013	ÁREA CONSTRUÍDA: 3056,63m²	FOLHA: EST 21/22
ARQUIVO:			