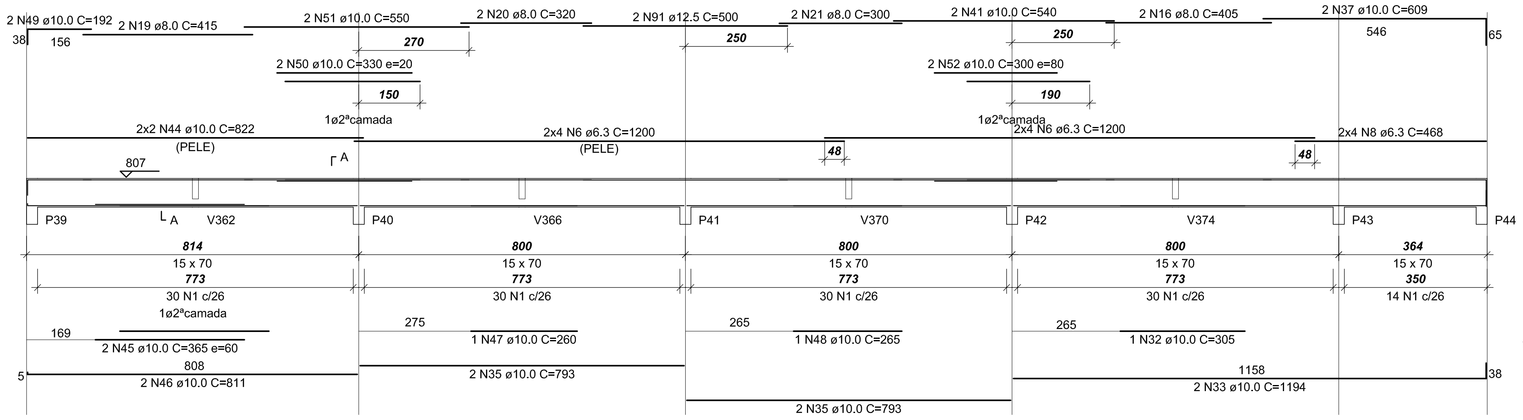
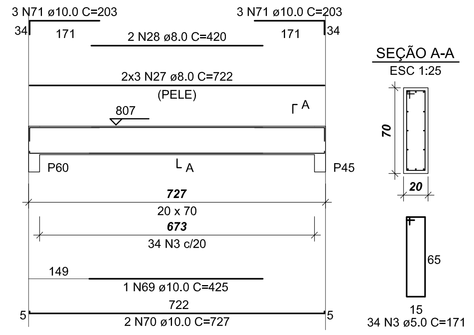
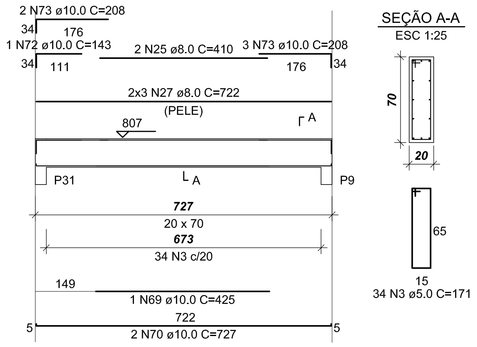
V316 (15 x 70)
ESC 1:75



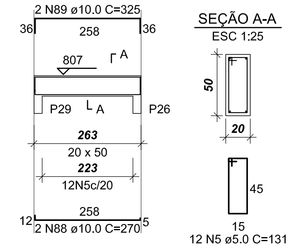
V332 (20 x 70)
ESC 1:75



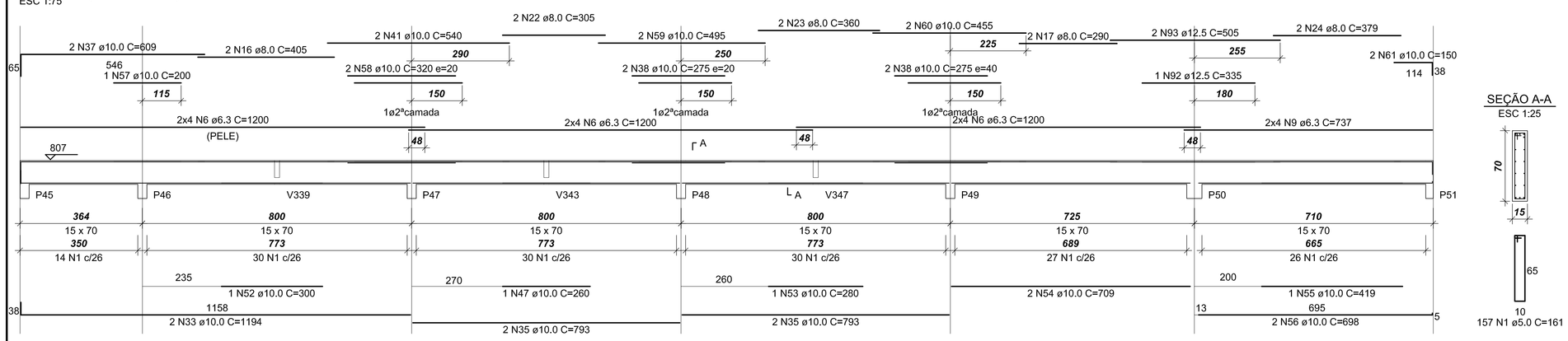
V333 (20 x 70)
ESC 1:75



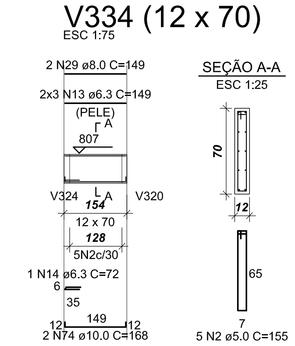
V354 (20 x 50)
ESC 1:75



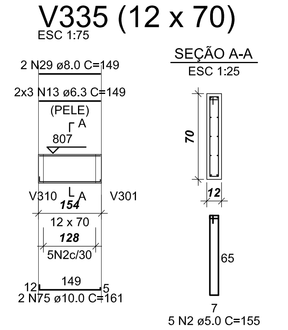
V317 (15 x 70)
ESC 1:75



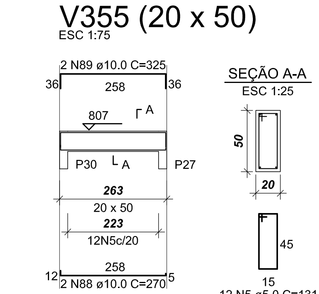
V334 (12 x 70)
ESC 1:75



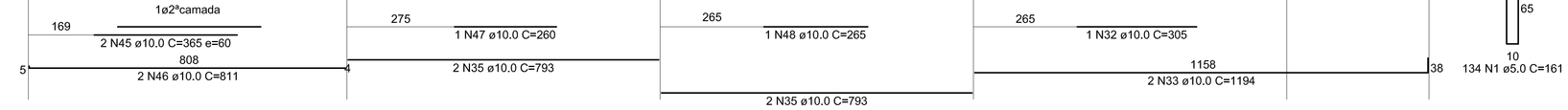
V335 (12 x 70)
ESC 1:75



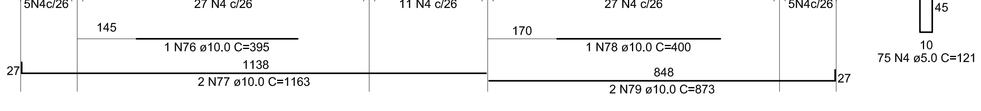
V355 (20 x 50)
ESC 1:75



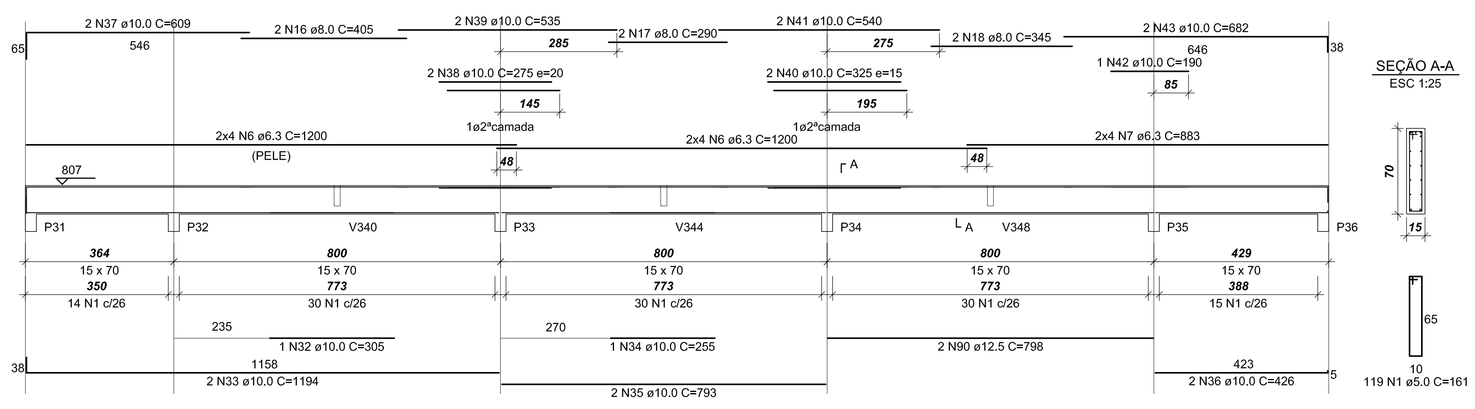
V318 (15 x 70)
ESC 1:75



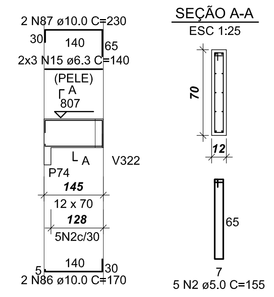
V336 (15 x 50)
ESC 1:75



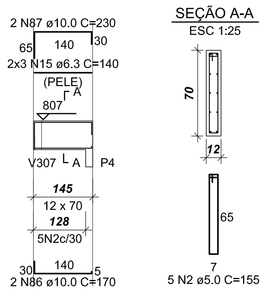
V314 (15 x 70)
ESC 1:75



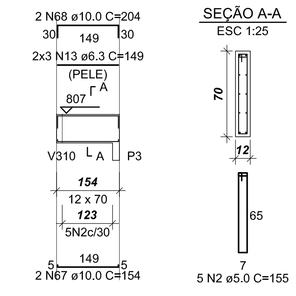
V337 (12 x 70)
ESC 1:75



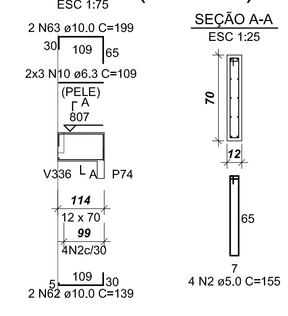
V338 (12 x 70)
ESC 1:75



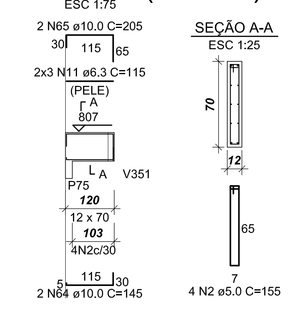
V331 (12 x 70)
ESC 1:75



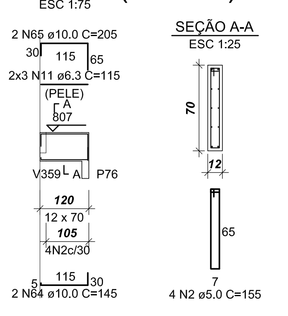
V325 (12 x 70)
ESC 1:75



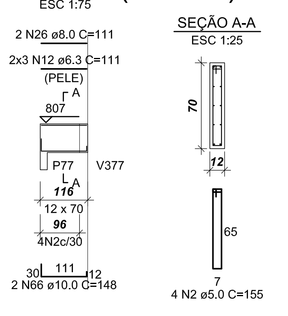
V326 (12 x 70)
ESC 1:75



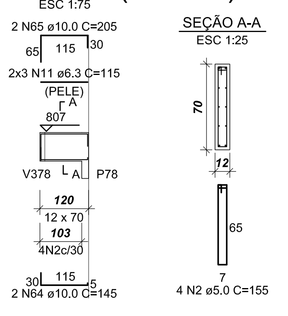
V327 (12 x 70)
ESC 1:75



V328 (12 x 70)
ESC 1:75



V329 (12 x 70)
ESC 1:75



V330 (12 x 70)
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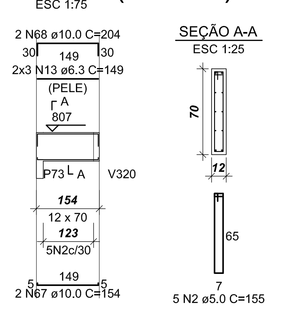

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	544	161	87584
	2	5.0	50	155	7750
	3	5.0	68	171	11628
	4	5.0	75	121	9075
	5	5.0	24	131	3144
50	6	6.3	72	1200	86400
	7	6.3	8	883	7064
	8	6.3	16	468	7488
	9	6.3	8	737	5896
	10	6.3	6	109	654
	11	6.3	18	115	2070
	12	6.3	6	111	666
	13	6.3	24	149	3576
	14	6.3	1	72	72
	15	6.3	12	140	1680
	16	8.0	8	405	3240
	17	8.0	4	290	1160
	18	8.0	2	345	690
	19	8.0	2	415	830
	20	8.0	4	320	1280
	21	8.0	4	300	1200
	22	8.0	2	305	610
	23	8.0	2	360	720
	24	8.0	2	379	758
	25	8.0	4	410	1640
	26	8.0	2	111	222
	27	8.0	12	722	8664
	28	8.0	2	420	840
	29	8.0	4	149	596
	30	8.0	2	365	730
	31	8.0	2	355	710
	32	10.0	3	305	915
	33	10.0	8	1194	9552
	34	10.0	1	255	255
	35	10.0	14	793	11102
	36	10.0	2	426	852
	37	10.0	8	609	4872
	38	10.0	6	275	1650
	39	10.0	2	535	1070
	40	10.0	2	325	650
	41	10.0	8	540	4320
	42	10.0	2	190	380
	43	10.0	2	682	1364
	44	10.0	8	822	6576
	45	10.0	4	365	1460
	46	10.0	4	811	3244
	47	10.0	3	260	780
	48	10.0	2	265	530
	49	10.0	4	192	768
	50	10.0	2	330	660
	51	10.0	2	550	1100
	52	10.0	5	300	1500
	53	10.0	1	280	280
	54	10.0	2	709	1418
	55	10.0	1	419	419
	56	10.0	2	698	1396
	57	10.0	1	200	200
	58	10.0	2	320	640
	59	10.0	2	495	990
	60	10.0	2	455	910
	61	10.0	2	150	300
	62	10.0	2	139	278
	63	10.0	2	199	398
	64	10.0	6	145	870
	65	10.0	6	205	1230
	66	10.0	2	148	296
	67	10.0	4	154	616
	68	10.0	4	204	816
	69	10.0	2	425	850
	70	10.0	4	727	2908
	71	10.0	6	203	1218
	72	10.0	1	143	143
	73	10.0	5	208	1040
	74	10.0	2	168	336
	75	10.0	2	161	322
	76	10.0	1	395	395
	77	10.0	2	1163	2326
	78	10.0	1	400	400
	79	10.0	2	873	1746
	80	10.0	1	185	185
	81	10.0	2	359	718
	82	10.0	2	570	1140
	83	10.0	2	715	1430
	84	10.0	2	364	728
	85	10.0	2	157	314
	86	10.0	4	170	680
	87	10.0	4	230	920
	88	10.0	4	270	1080
	89	10.0	4	325	1300
	90	12.5	2	798	1596
	91	12.5	4	500	2000
	92	12.5	1	335	335
	93	12.5	2	505	1010
	94	12.5	1	275	275
	95	12.5	2	555	1110

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	6.3	1155.7	283.3
	8.0	238.9	94.4
	10.0	848.4	523.2
	12.5	63.3	61.0
CA60	5.0	1195.6	184.1
PESO TOTAL			
CA50	961.9		
CA60	184.1		

Vol. de concreto total (C-25) =20.58 m³
Área de forma total = 300.67 m²

V314 V316 V317
V318 V325 V326
V327 V328 V329
V330 V331 V332
V333 V334 V335
V336 V337 V338
V354 V355

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
CAMPUS JANAÚBA

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

UFVJM

PRANCHA: FERRAGENS DAS VIGAS: PAVIMENTO COBERTURA(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 19/22

ARQUIVO: