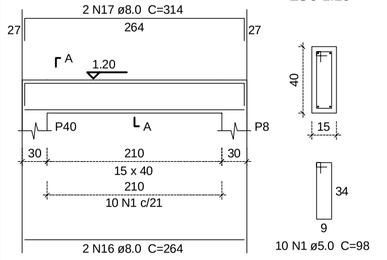
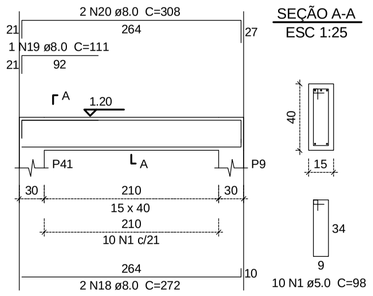
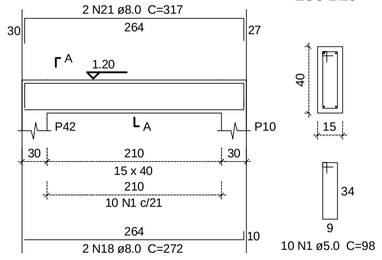
V37
1:50



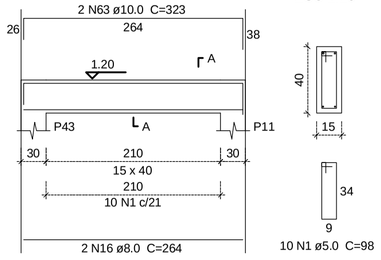
V38
1:50



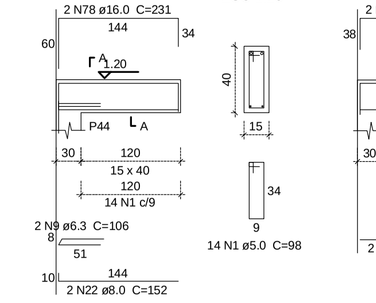
V39
1:50



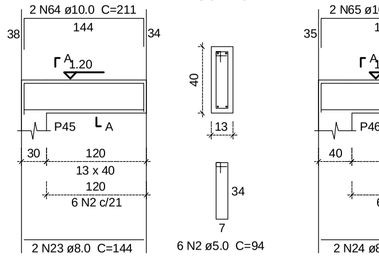
V40
1:50



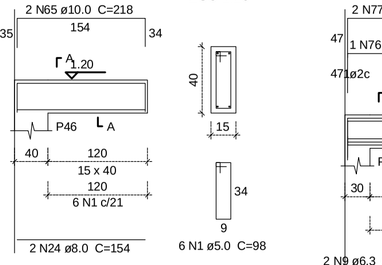
V41
1:50



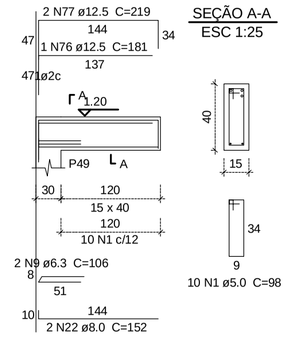
V42
1:50



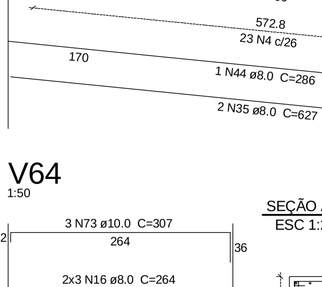
V43
1:50



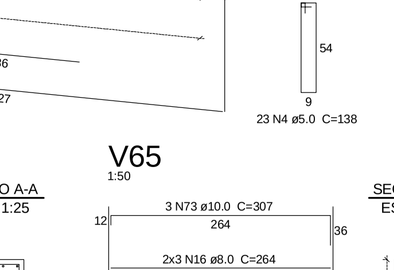
V44
1:50



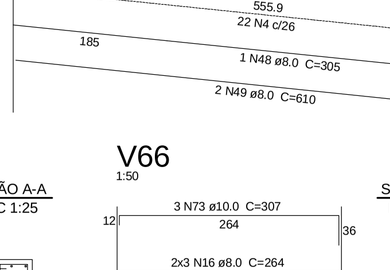
V45
1:50



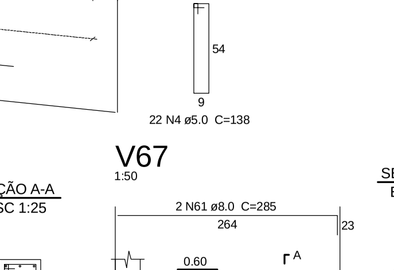
V46
1:50



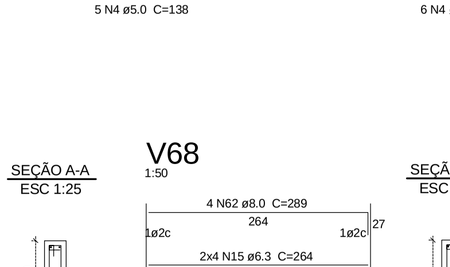
V47
1:50



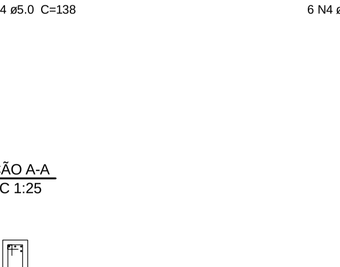
V48
1:50



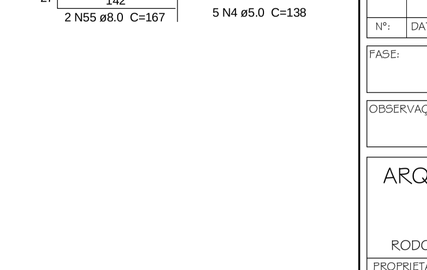
V49
1:50



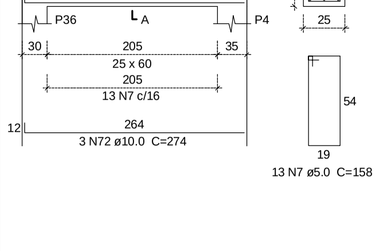
V50
1:50



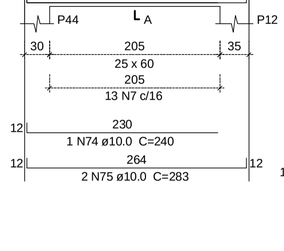
V51
1:50



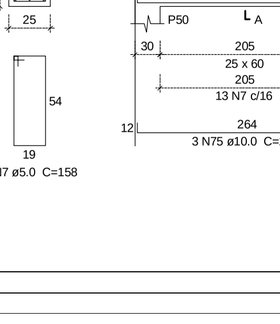
V52
1:50



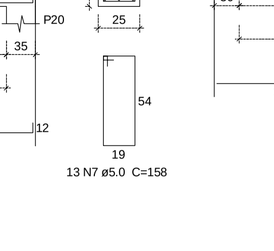
V53
1:50



V54
1:50



V55
1:50



V56
1:50

V57
1:50

V58
1:50

V59
1:50

V60
1:50

V61
1:50

V62
1:50

V63
1:50

V64
1:50

V65
1:50

V66
1:50

V67
1:50

V68
1:50

Relação do aço

V37	V38	V39
V40	V41	V42
V43	V44	V45
V46	V47	V48
V49	V50	V51
V52	V53	V54
V55	V56	V57
V58	V59	V60
V61	V62	V63
V64	V65	V66
V67	V68	

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	157	98	15386
	2	5.0	32	94	3008
	3	5.0	4	251	1004
	4	5.0	113	138	15594
	5	5.0	2	256	512
	6	5.0	2	274	548
	7	5.0	39	158	6162
	8	5.0	8	178	1424
CA50	9	6.3	8	106	848
	10	6.3	18	627	11286
	11	6.3	6	610	3660
	12	6.3	6	149	894
	13	6.3	12	164	1968
	14	6.3	6	142	852
	15	6.3	8	264	2112
	16	8.0	36	264	9504
	17	8.0	4	314	1256
	18	8.0	10	272	2720
	19	8.0	1	111	111
	20	8.0	2	308	616
	21	8.0	4	317	1268
	22	8.0	6	152	912
	23	8.0	4	144	576
	24	8.0	2	154	308
	25	8.0	2	306	612
	26	8.0	2	112	224
	27	8.0	4	309	1236
	28	8.0	3	311	933
	29	8.0	2	169	338
	30	8.0	1	143	143
	31	8.0	2	168	336
	32	8.0	2	202	404
	33	8.0	2	177	354
	34	8.0	2	291	582
	35	8.0	6	627	3762
	36	8.0	2	168	336
	37	8.0	2	228	456
	38	8.0	2	175	350
	39	8.0	4	220	880
	40	8.0	2	163	326
	41	8.0	2	223	446
	42	8.0	2	176	352
	43	8.0	2	221	442
	44	8.0	1	286	286
	45	8.0	2	169	338
	46	8.0	2	229	458
	47	8.0	2	170	340
	48	8.0	1	305	305
	49	8.0	2	610	1220
	50	8.0	1	143	143
	51	8.0	2	183	366
	52	8.0	3	174	522
	53	8.0	3	227	681
	54	8.0	6	189	1134
	55	8.0	3	167	501
	56	8.0	6	241	1446
	57	8.0	1	182	182
	58	8.0	1	120	120
	59	8.0	1	138	138
	60	8.0	3	220	660
	61	8.0	2	285	570
	62	8.0	4	289	1156
	63	10.0	2	323	646
	64	10.0	2	211	422
	65	10.0	2	218	436
	66	10.0	2	322	644
	67	10.0	2	208	416
	68	10.0	1	162	162
	69	10.0	3	210	630
	70	10.0	1	152	152
	71	10.0	2	232	464
	72	10.0	3	274	822
	73	10.0	9	307	2763
	74	10.0	1	240	240
	75	10.0	5	283	1415
	76	12.5	1	181	181
	77	12.5	2	219	438
	78	16.0	2	231	462
	79	16.0	2	230	460

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	216.2	58.2
	8.0	403.5	175.1
	10.0	92.2	62.5
	12.5	6.2	6.6
	16.0	9.3	16
CA60	5.0	436.4	74
PESO TOTAL			
CA50	318.4		
CA60	74		

Vol. de concreto total (C-25) = 6.98 m³
Área de forma total = 101.22 m²

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE: PROJETO ESTRUTURAL

OBSERVAÇÕES: CONFERIR MEDIDAS NA OBRA

ARQUIBANCADA E ÁREAS DE APOIO DA PISTA DE ATLETISMO
CAMPUS DIAMANTINA
RODOVIA MG 367, KM 583, Nº 5000 - ALTO DA JACUBA - DIAMANTINA/MG

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

TÍTULO: DET. DAS VIGAS NÍVEL 1.20 03/04
LEGENDAS

AUTOR PROJETO ESTRUTURAL / RT:

MACEDO SIQUEIRA PROJETOS & ENGENHARIA LTDA-ME
CNPJ: 09.566.686/0001-57
RT: ENG. CIVIL: ANTÔNIO AUGUSTO DE MACEDO - CREA: 81.746/D
RUA MARGARIDA CORTONA Nº799, CANAMA, SETE LAGOAS/MG
FONES: (31) 3771-0554 / 9997-3184

A.MACEDO
Projetos e Engenharia
www.amacedoengenharia.com.br
Fones: (31) 3771-0554 / 9997-3184

DETALHAMENTO:

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	20.09.2011		62/70

Your complimentary use period has ended. Thank you for using PDF Complete.
PDF Complete
Click Here to upgrade to Unlimited Pages and Expanded Features