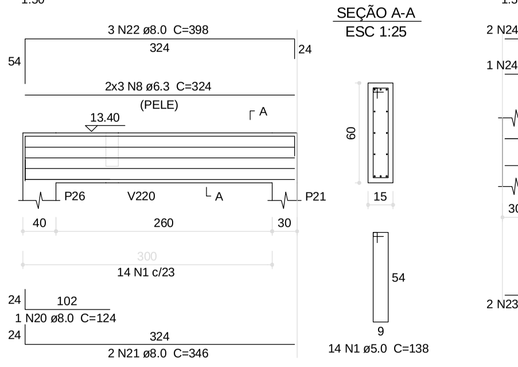
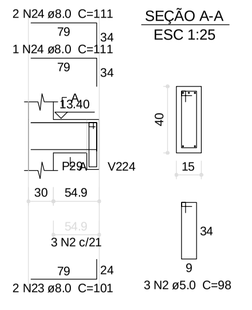
V226
1:50



SEÇÃO A-A
ESC 1:25

14 N1 ø5.0 C=138

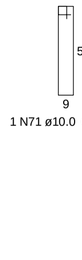
V227
1:50



SEÇÃO A-A
ESC 1:25

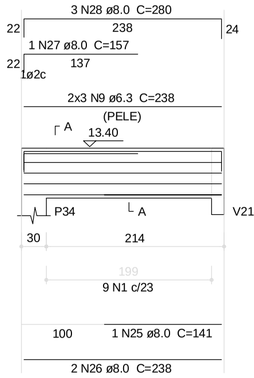
3 N2 ø5.0 C=98

Suspensão V224
ESC 1:25

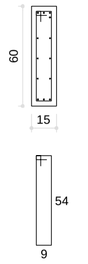


1 N71 ø10.0 C=139

V228
1:50

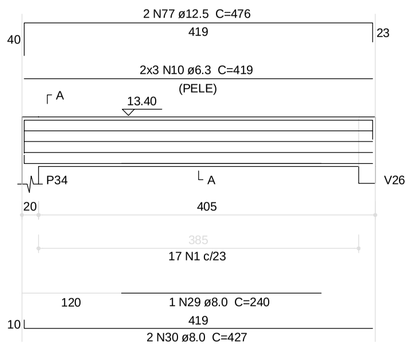


SEÇÃO A-A
ESC 1:25

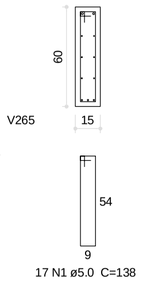


9 N1 ø5.0 C=138

V229
1:50

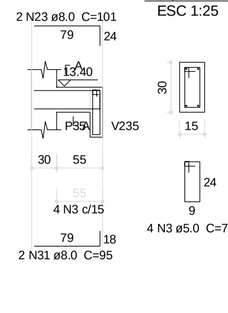


SEÇÃO A-A
ESC 1:25

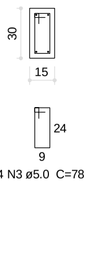


17 N1 ø5.0 C=138

V230
1:50

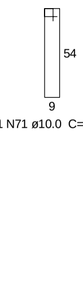


SEÇÃO A-A
ESC 1:25



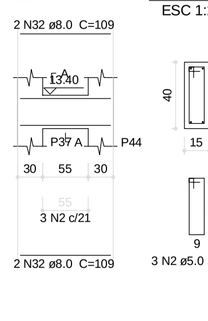
4 N3 ø5.0 C=78

Suspensão V235
ESC 1:25

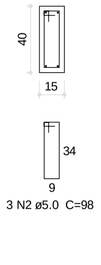


1 N71 ø10.0 C=139

V231
1:50

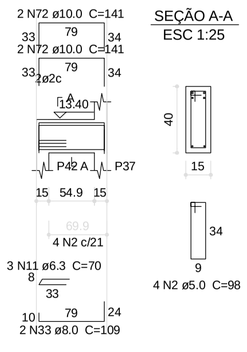


SEÇÃO A-A
ESC 1:25



3 N2 ø5.0 C=98

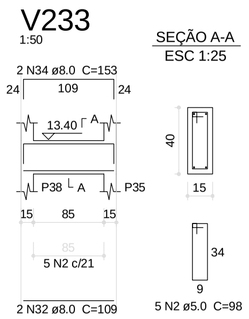
V232
1:50



SEÇÃO A-A
ESC 1:25

4 N2 ø5.0 C=98

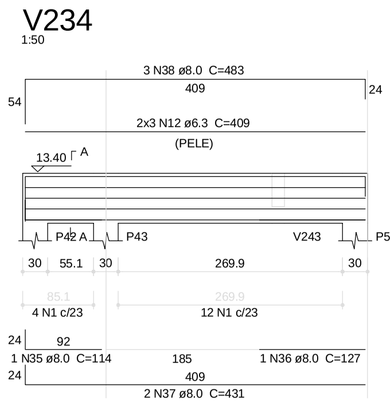
V233
1:50



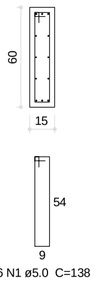
SEÇÃO A-A
ESC 1:25

5 N2 ø5.0 C=98

V234
1:50

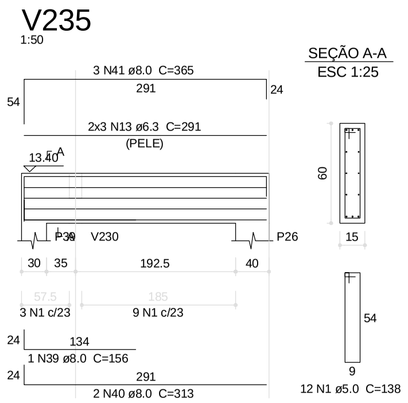


SEÇÃO A-A
ESC 1:25



16 N1 ø5.0 C=138

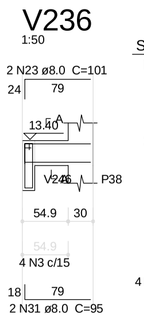
V235
1:50



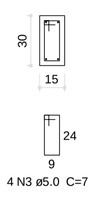
SEÇÃO A-A
ESC 1:25

12 N1 ø5.0 C=138

V236
1:50

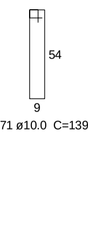


SEÇÃO A-A
ESC 1:25



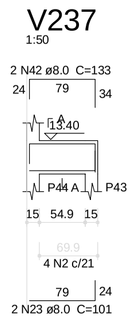
4 N3 ø5.0 C=78

Suspensão V246
ESC 1:25

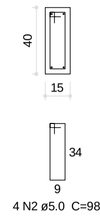


1 N71 ø10.0 C=139

V237
1:50

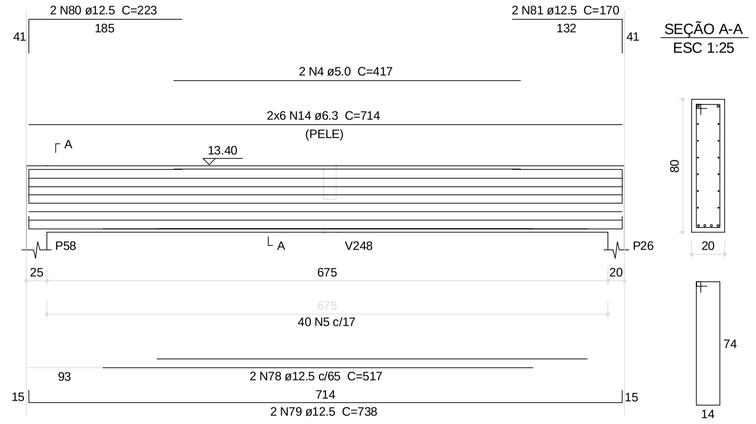


SEÇÃO A-A
ESC 1:25



4 N2 ø5.0 C=98

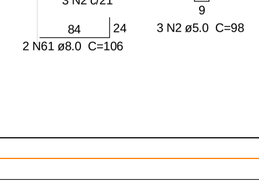
V238
1:50



SEÇÃO A-A
ESC 1:25

40 N5 ø5.0 C=188

V239
1:50



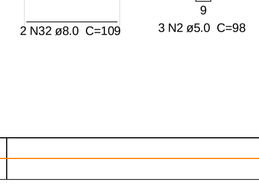
SEÇÃO A-A
ESC 1:25

3 N2 ø5.0 C=98

Suspensão V246
ESC 1:25

1 N71 ø10.0 C=139

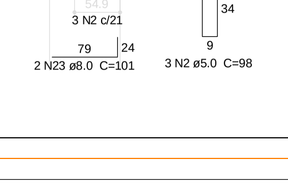
V240
1:50



SEÇÃO A-A
ESC 1:25

3 N2 ø5.0 C=98

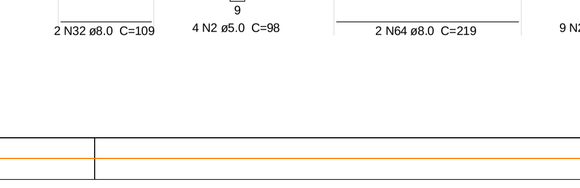
V241
1:50



SEÇÃO A-A
ESC 1:25

23 N5 ø5.0 C=188

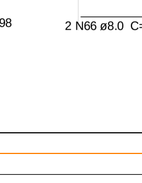
V242
1:50



SEÇÃO A-A
ESC 1:25

20 N1 ø5.0 C=138

V243
1:50



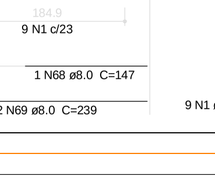
SEÇÃO A-A
ESC 1:25

4 N2 ø5.0 C=98

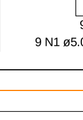
Suspensão V234
ESC 1:25

1 N71 ø10.0 C=139

V244
1:50



SEÇÃO A-A
ESC 1:25



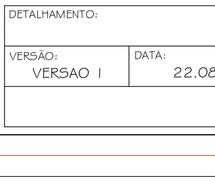
4 N2 ø5.0 C=98

V245
1:50

SEÇÃO A-A
ESC 1:25

4 N2 ø5.0 C=98

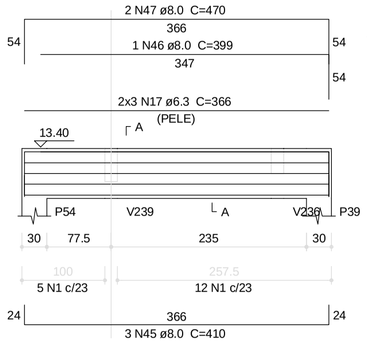
V249
1:50



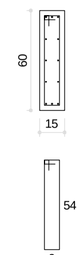
SEÇÃO A-A
ESC 1:25

4 N2 ø5.0 C=98

V246
1:50

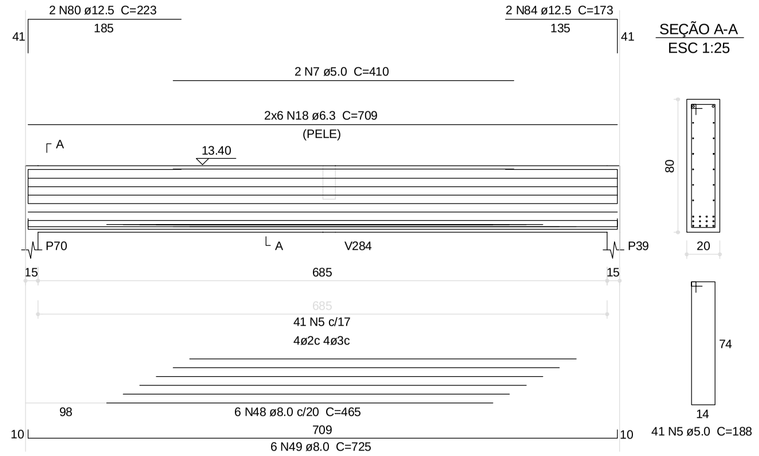


SEÇÃO A-A
ESC 1:25



17 N1 ø5.0 C=138

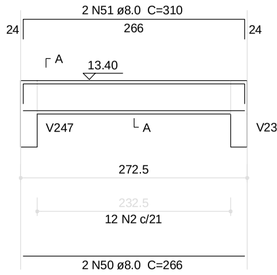
V247
1:50



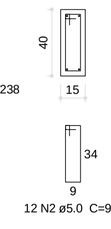
SEÇÃO A-A
ESC 1:25

41 N5 ø5.0 C=188

V248
1:50

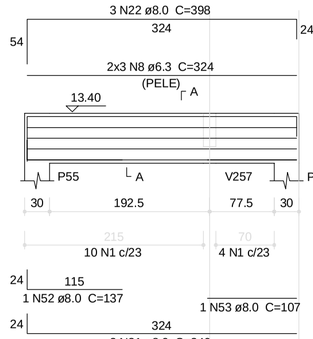


SEÇÃO A-A
ESC 1:25

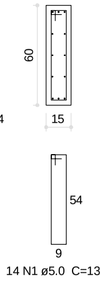


12 N2 ø5.0 C=98

V250
1:50

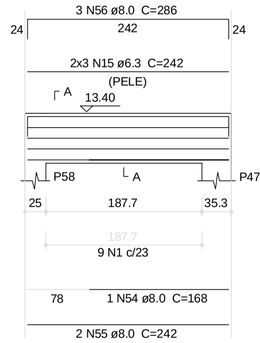


SEÇÃO A-A
ESC 1:25

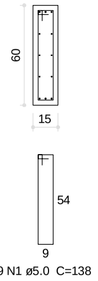


14 N1 ø5.0 C=138

V251
1:50

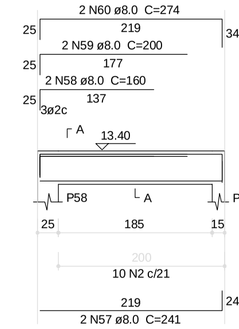


SEÇÃO A-A
ESC 1:25

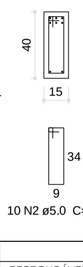


9 N1 ø5.0 C=138

V252
1:50



SEÇÃO A-A
ESC 1:25



10 N2 ø5.0 C=98

Relação do aço

V226	V227	V228
V229	V230	V231
V232	V233	V234
V235	V236	V237
V238	V239	V240
V241	V242	V243
V244	V245	V246
V247	V248	V249
V250	V251	V252
V254	V255	V257
V258	V263	V264
V266		

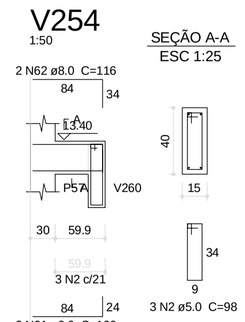
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	137	138	18906
	2	5.0	87	98	8526
	3	5.0	8	78	624
	4	5.0	2	417	834
	5	5.0	104	188	19552
	6	5.0	2	307	614
	7	5.0	2	410	820
CA50	8	6.3	12	324	3888
	9	6.3	6	238	1428
	10	6.3	6	419	2514
	11	6.3	3	70	210
	12	6.3	6	409	2454
	13	6.3	6	291	1746
	14	6.3	12	714	8568
	15	6.3	18	242	4356
	16	6.3	6	496	2976
	17	6.3	6	366	2196
	18	6.3	12	709	8508
	19	6.3	6	239	1434
	20	8.0	1	124	124
	21	8.0	4	346	1384
	22	8.0	6	398	2388
	23	8.0	14	101	1414
	24	8.0	8	111	888
	25	8.0	1	141	141
	26	8.0	2	238	476
	27	8.0	1	157	157
	28	8.0	3	280	840
	29	8.0	1	240	240
	30	8.0	2	427	854
	31	8.0	4	95	380
	32	8.0	18	109	1962
	33	8.0	6	109	654
	34	8.0	2	153	306
	35	8.0	4	114	456
	36	8.0	1	127	127
	37	8.0	2	431	862
	38	8.0	3	483	1449
	39	8.0	1	156	156
	40	8.0	2	313	626
	41	8.0	3	365	1095
	42	8.0	10	133	1330
	43	8.0	3	139	417
	44	8.0	2	138	276
	45	8.0	3	410	1230
	46	8.0	1	399	399
	47	8.0	2	470	940
	48	8.0	6	465	2790
	49	8.0	6	725	4350
	50	8.0	2	266	532
	51	8.0	2	310	620
	52	8.0	1	137	137
	53	8.0	1	107	107
	54	8.0	1	168	168
	55	8.0	2	242	484
	56	8.0	3	286	858
	57	8.0	2	241	482
	58	8.0	2	160	320
	59	8.0	2	200	400
	60	8.0	2	274	548
	61	8.0	2	106	212
	62	8.0	2	116	232
	63	8.0	2	131	262
	64	8.0	2	219	438
	65	8.0	2	263	526
	66	8.0	2	79	158
	67	8.0	3	96	288
	68	8.0	1	147	147
	69	8.0	2	239	478
	70	8.0	3	283	849
	71	10.0	6	139	834
	72	10.0	4	141	564
	73	10.0	1	138	138
	74	10.0	2	242	484
	75	10.0	4	293	1172
	76	10.0	1	189	189
	77	12.5	2	476	952
	78	12.5	2	517	1034
	79	12.5	2	738	1476
	80	12.5	4	223	892
	81	12.5	2	170	340
	82	12.5	2	496	992
	83	12.5	2	118	236
	84	12.5	2	173	346

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	402.8	108.4
	8.0	369.6	160.4
	10.0	33.9	22.9
	12.5	62.7	66.4
CA60	5.0	498.8	84.6
PESO TOTAL			
CA50	358.2		
CA60	84.6		

Vol. de concreto total (C-30) = 7.2 m³
Área de forma total = 99.14 m²

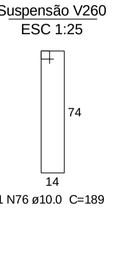
V254
1:50



SEÇÃO A-A
ESC 1:25

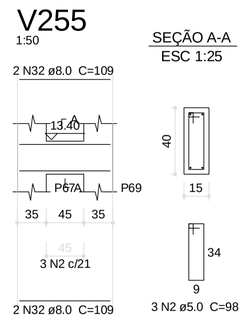
3 N2 ø5.0 C=98

Suspensão V260
ESC 1:25



1 N76 ø10.0 C=189

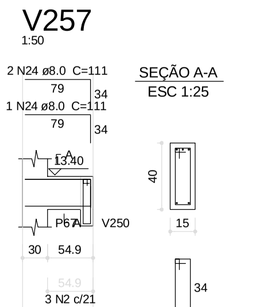
V255
1:50



SEÇÃO A-A
ESC 1:25

3 N2 ø5.0 C=98

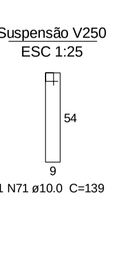
V257
1:50



SEÇÃO A-A
ESC 1:25

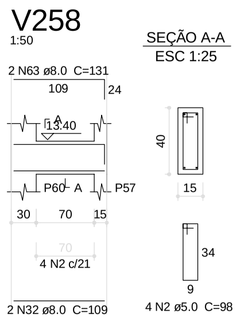
3 N2 ø5.0 C=98

Suspensão V250
ESC 1:25



1 N71 ø10.0 C=139

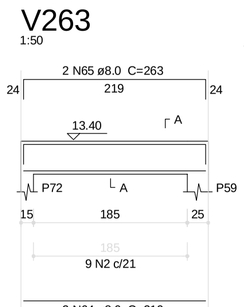
V258
1:50



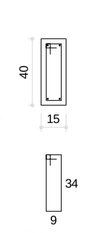
SEÇÃO A-A
ESC 1:25

4 N2 ø5.0 C=98

V263
1:50

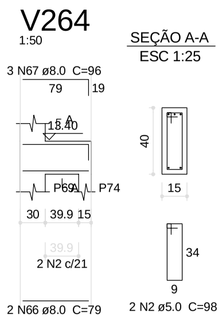


SEÇÃO A-A
ESC 1:25



9 N2 ø5.0 C=98

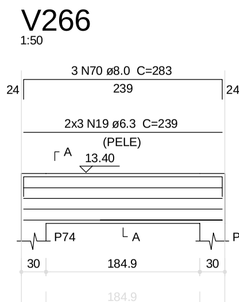
V264
1:50



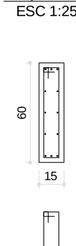
SEÇÃO A-A
ESC 1:25

2 N2 ø5.0 C=98

V266
1:50



SEÇÃO A-A
ESC 1:25



9 N1 ø5.0 C=138

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NUGEO - NÚCLEO DE GEOCIÊNCIAS
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

UFVJM

TÍTULO: DETALHAMENTO DAS VIGAS DO 2º PAVIMENTO-9/11

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/DMG
RUA MARGARIDA CORTONA Nº799, CANAAN, 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:

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VERSAO 1	22.08.2011		60/71