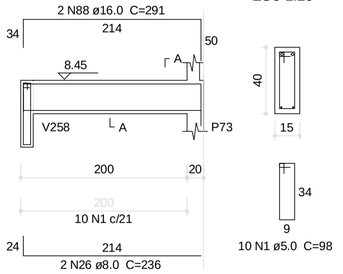
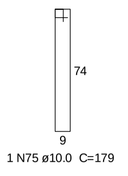
V268
1:50

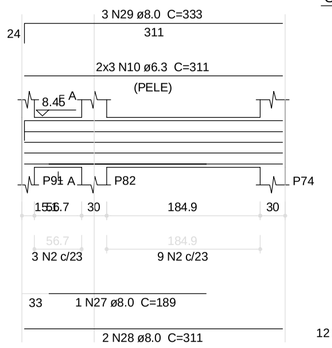


SEÇÃO A-A
ESC 1:25

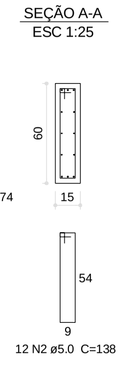
Suspensão V258
ESC 1:25



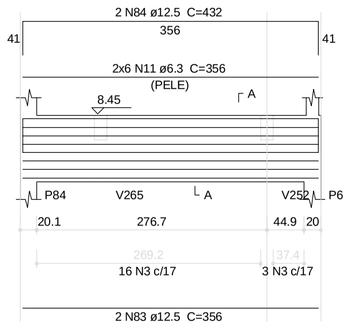
V269
1:50



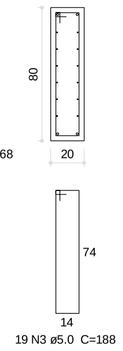
SEÇÃO A-A
ESC 1:25



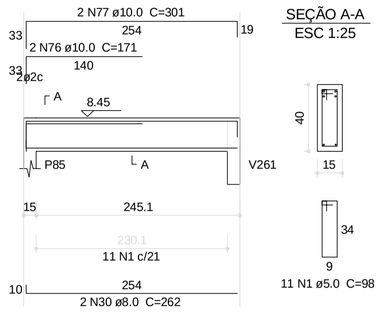
V271
1:50



SEÇÃO A-A
ESC 1:25

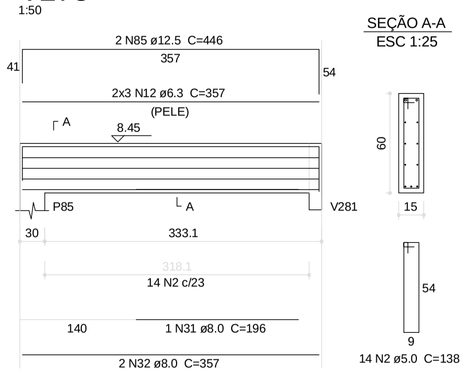


V272
1:50



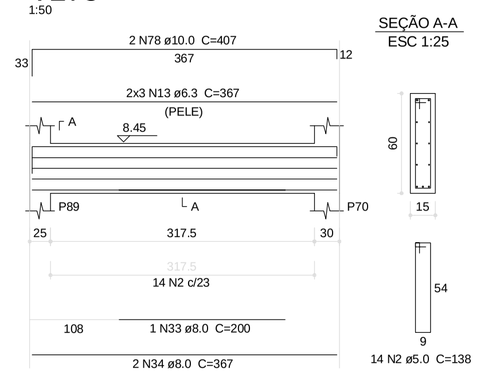
SEÇÃO A-A
ESC 1:25

V273
1:50



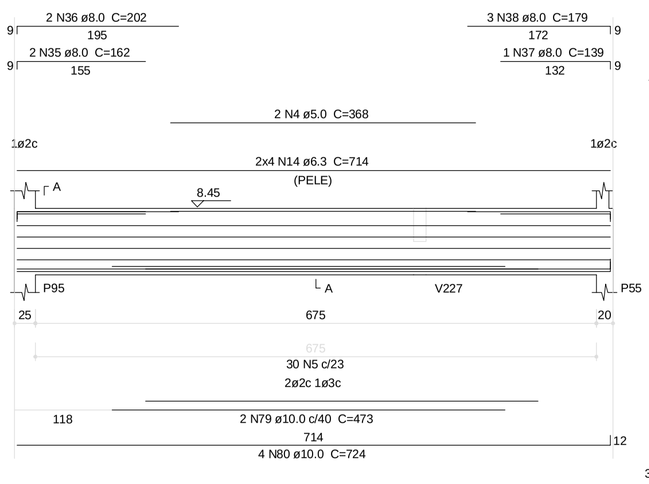
SEÇÃO A-A
ESC 1:25

V275
1:50

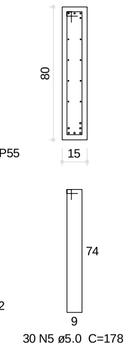


SEÇÃO A-A
ESC 1:25

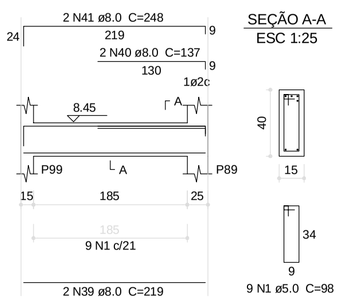
V274
1:50



SEÇÃO A-A
ESC 1:25

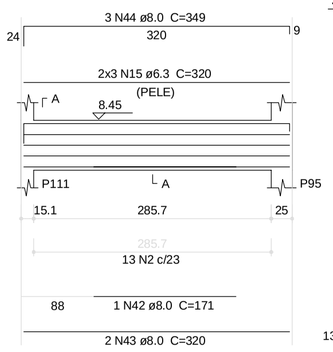


V276
1:50

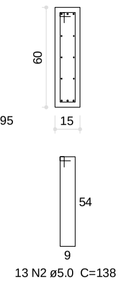


SEÇÃO A-A
ESC 1:25

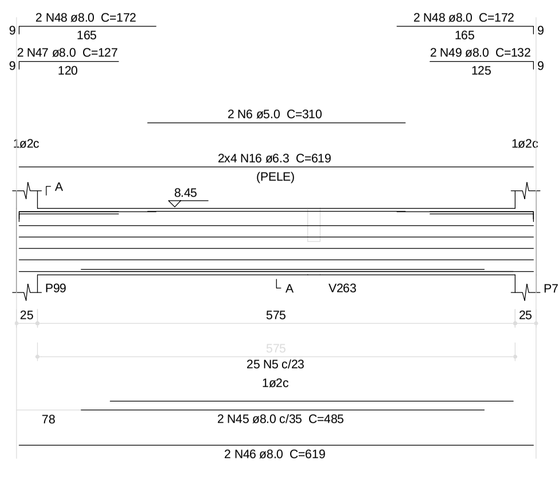
V277
1:50



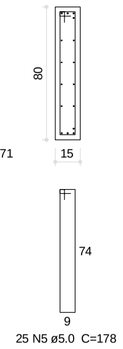
SEÇÃO A-A
ESC 1:25



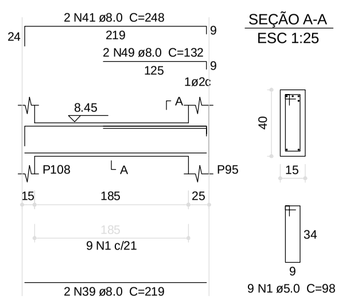
V278
1:50



SEÇÃO A-A
ESC 1:25

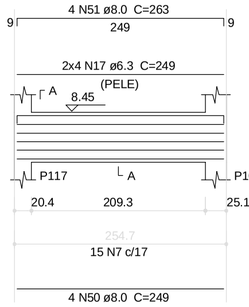


V279
1:50

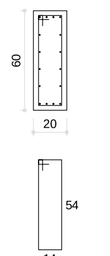


SEÇÃO A-A
ESC 1:25

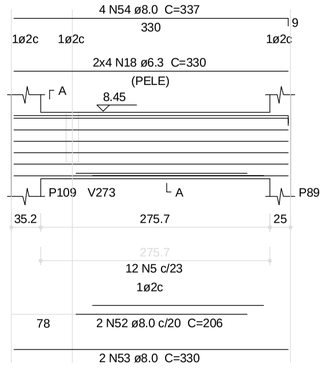
V280
1:50



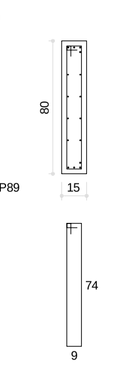
SEÇÃO A-A
ESC 1:25



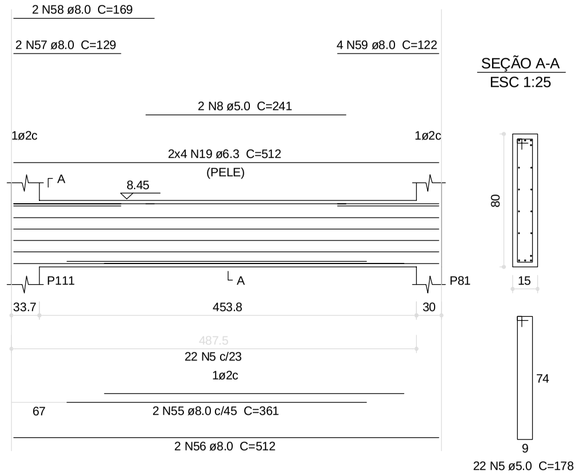
V281
1:50



SEÇÃO A-A
ESC 1:25

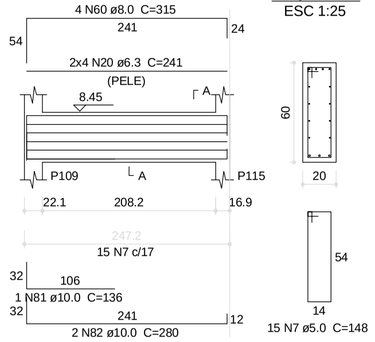


V282
1:50



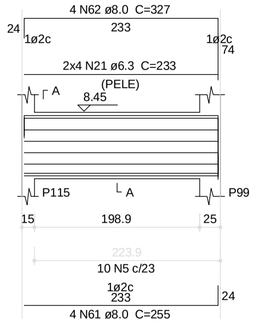
SEÇÃO A-A
ESC 1:25

V283
1:50

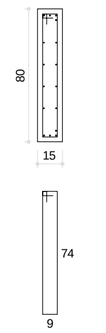


SEÇÃO A-A
ESC 1:25

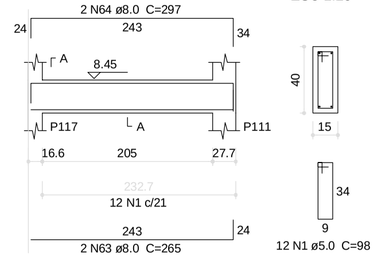
V284
1:50



SEÇÃO A-A
ESC 1:25

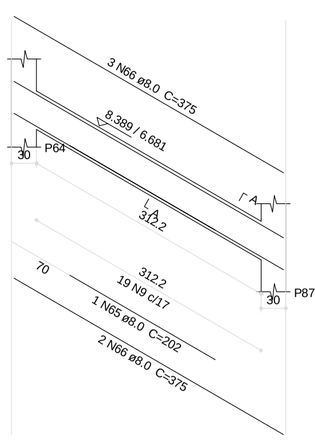


V285
1:50

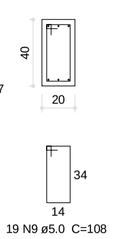


SEÇÃO A-A
ESC 1:25

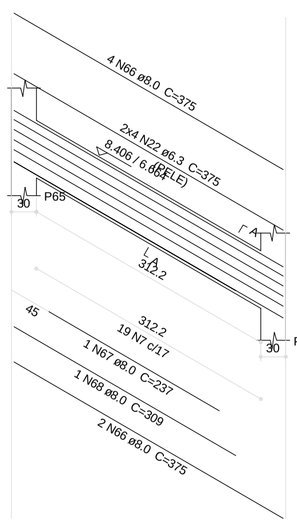
V286
1:50



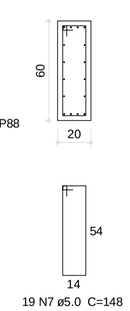
SEÇÃO A-A
ESC 1:25



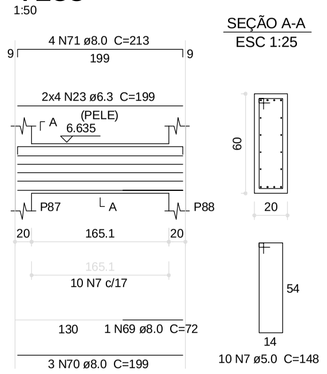
V287
1:50



SEÇÃO A-A
ESC 1:25



V288
1:50



SEÇÃO A-A
ESC 1:25

V289
1:50

SEÇÃO A-A
ESC 1:25

V290
1:50

SEÇÃO A-A
ESC 1:25

V291
1:50

SEÇÃO A-A
ESC 1:25

V148
1:50

SEÇÃO A-A
ESC 1:25

Relação do aço

V148	V268	V269
V271	V272	V273
V274	V275	V276
V277	V278	V279
V280	V281	V282
V283	V284	V285
V286	V287	V288
V289	V290	V291

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	51	98	4998
	2	5.0	53	138	7314
	3	5.0	36	188	6768
	4	5.0	2	368	736
	5	5.0	99	178	17622
	6	5.0	2	310	620
	7	5.0	69	148	10212
	8	5.0	2	241	482
	9	5.0	38	108	4104
CA50	10	6.3	6	311	1866
	11	6.3	12	356	4272
	12	6.3	6	357	2142
	13	6.3	6	367	2202
	14	6.3	8	714	5712
	15	6.3	6	320	1920
	16	6.3	8	619	4952
	17	6.3	8	249	1992
	18	6.3	8	330	2640
	19	6.3	8	512	4096
	20	6.3	8	241	1928
	21	6.3	8	233	1864
	22	6.3	8	375	3000
	23	6.3	8	199	1592
	24	6.3	8	209	1672
	25	6.3	12	324	3888
	26	8.0	2	236	472
	27	8.0	1	189	189
	28	8.0	2	311	622
	29	8.0	3	333	999
	30	8.0	2	262	524
	31	8.0	1	196	196
	32	8.0	2	357	714
	33	8.0	1	200	200
	34	8.0	2	367	734
	35	8.0	2	162	324
	36	8.0	2	202	404
	37	8.0	1	139	139
	38	8.0	3	179	537
	39	8.0	4	219	876
	40	8.0	2	137	274
	41	8.0	4	248	992
	42	8.0	1	171	171
	43	8.0	2	320	640
	44	8.0	3	349	1047
	45	8.0	2	485	970
	46	8.0	2	619	1238
	47	8.0	2	127	254
	48	8.0	4	172	688
	49	8.0	4	132	528
	50	8.0	4	249	996
	51	8.0	4	263	1052
	52	8.0	2	206	412
	53	8.0	2	330	660
	54	8.0	4	337	1348
	55	8.0	2	361	722
	56	8.0	2	512	1024
	57	8.0	2	129	258
	58	8.0	2	169	338
	59	8.0	4	122	488
	60	8.0	4	315	1260
	61	8.0	4	255	1020
	62	8.0	4	327	1308
	63	8.0	2	265	530
	64	8.0	2	297	594
	65	8.0	1	202	202
	66	8.0	11	375	4125
	67	8.0	1	237	237
	68	8.0	1	309	309
	69	8.0	1	72	72
	70	8.0	3	199	597
	71	8.0	4	213	852
	72	8.0	1	147	147
	73	8.0	16	209	3344
	74	8.0	3	216	648
	75	10.0	1	179	179
	76	10.0	2	171	342
	77	10.0	2	301	602
	78	10.0	2	407	814
	79	10.0	2	473	946
	80	10.0	4	724	2896
	81	10.0	1	136	136
	82	10.0	2	280	560
	83	12.5	2	356	712
	84	12.5	2	432	864
	85	12.5	2	446	892
	86	12.5	2	324	648
	87	12.5	2	400	800
	88	16.0	2	291	582

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	457.4	123.1
	8.0	362.8	157.4
	10.0	64.8	43.9
	12.5	39.2	41.5
	16.0	5.9	10.1
CA60	5.0	528.6	89.6
PESO TOTAL			
CA50	376.1		
CA60	89.6		

Vol. de concreto total (C-30) = 8.19 m³
Área de forma total = 111.28 m²

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE: PROJETO ESTRUTURAL

OBSERVAÇÕES: CONFERIR MEDIDAS NA OBRA

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

TÍTULO: DETALHAMENTO DAS VIGAS DO 1º PAVIMENTO- 10/10
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/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:

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	22.08.2011		42/71

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