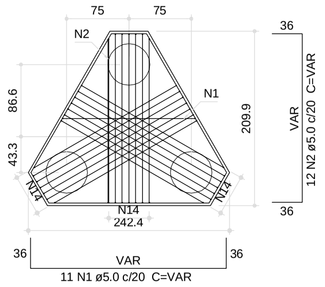
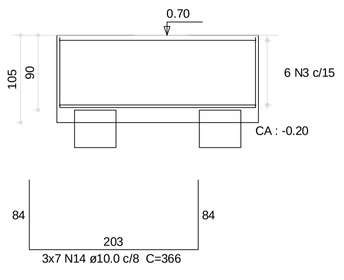
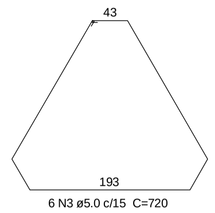
B146-147-153
3ø50

Planta
ESC 1:50



Corte
ESC 1:50

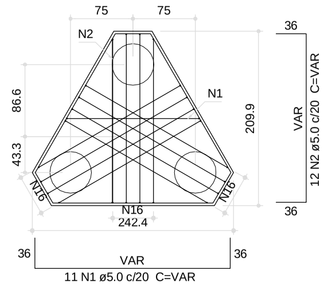




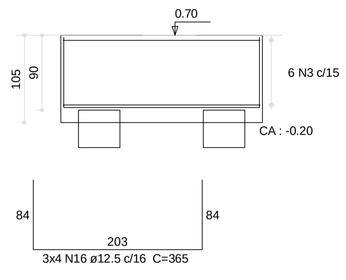
6 N3 ø5.0 c/15 C=720

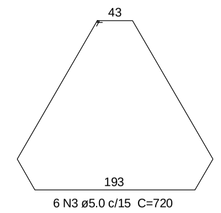
B159-160-162
3ø50

Planta
ESC 1:50



Corte
ESC 1:50

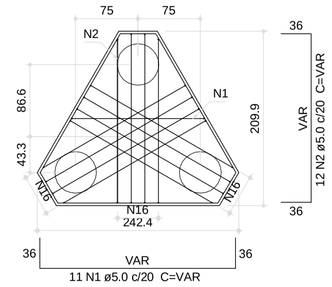




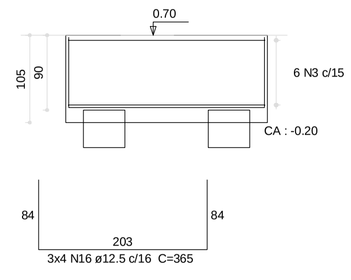
6 N3 ø5.0 c/15 C=720

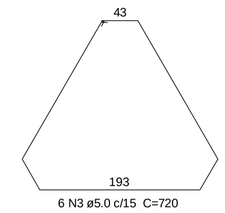
B196-208-209
3ø50

Planta
ESC 1:50



Corte
ESC 1:50

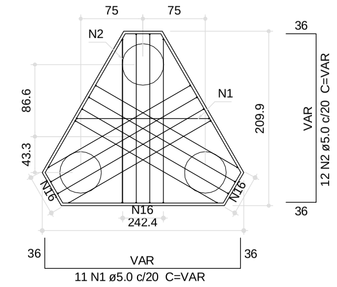




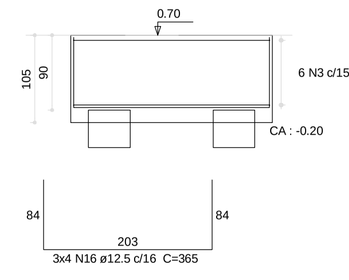
6 N3 ø5.0 c/15 C=720

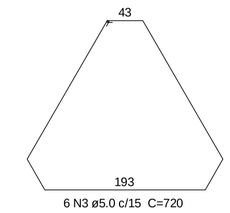
B27-28-29
3ø50

Planta
ESC 1:50



Corte
ESC 1:50





6 N3 ø5.0 c/15 C=720

Relação do aço

44xB136	B6-15	B7-16
B11-18	B12-19	B20-21
B22-23	B76-77	B78-79
B96-97	B98-104	B9-10-17
B194-206	B195-207	B27-28-29
B146-147-153	B159-160-162	B196-208-209

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	66	VAR	VAR
	2	5.0	72	VAR	VAR
	3	5.0	36	720	25920
	4	5.0	22	293	6446
	5	5.0	55	608	33440
	6	5.0	110	296	32560
	7	5.0	45	223	10035
	8	5.0	88	324	28512
	9	5.0	88	260	22880
CA50	10	6.3	4	223	892
	11	8.0	27	367	9909
	12	8.0	54	357	19278
	13	8.0	220	308	67760
	14	10.0	39	366	14274
	15	10.0	10	356	3560
	16	12.5	36	365	13140
	17	12.5	9	355	3195

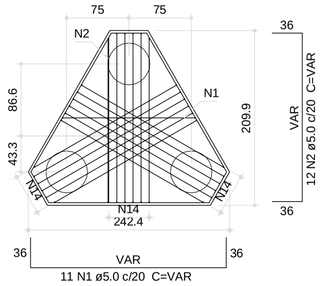
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	9	2.4
	8.0	969.5	420.8
	10.0	178.4	120.9
	12.5	163.4	173.1
CA60	5.0	1995.8	338.4
PESO TOTAL			
CA50	717.2		
CA60	338.4		

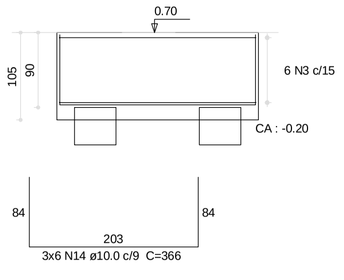
Vol. de concreto total (C-25) = 57.83 m³
Área de forma total = 212.79 m²

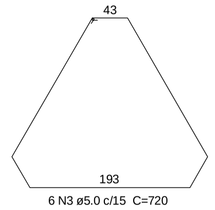
B9-10-17
3ø50

Planta
ESC 1:50



Corte
ESC 1:50

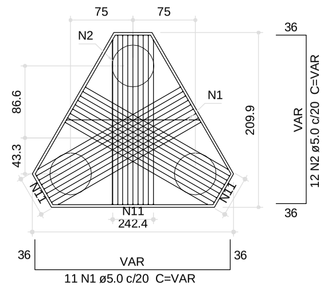




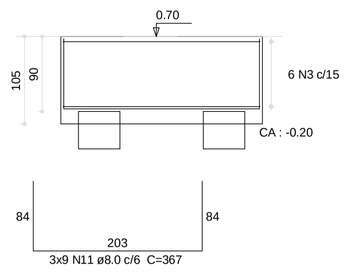
6 N3 ø5.0 c/15 C=720

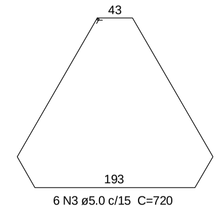
B76-77
3ø50

Planta
ESC 1:50



Corte
ESC 1:50

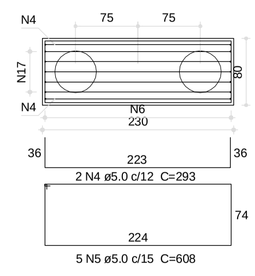




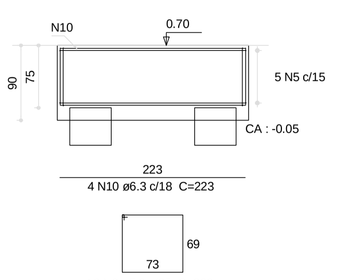
6 N3 ø5.0 c/15 C=720

B194-206
2ø50

Planta
ESC 1:50

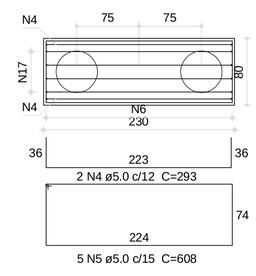


Corte
ESC 1:50

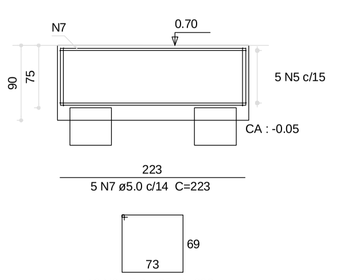


B20-21
2ø50

Planta
ESC 1:50



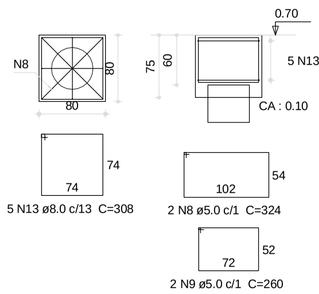
Corte
ESC 1:50



B5=B8=B31=B32=B36=B37=B40=B41=B42=B43
=B44=B47=B48=B49=B50=B51=B52=B59=B61
=B62=B63=B66=B71=B72=B85=B86=B90=B99
=B100=B101=B114=B115=B116=B120=B135=B136
=B150=B165=B167=B168=B184=B185=B205=B212
1ø50

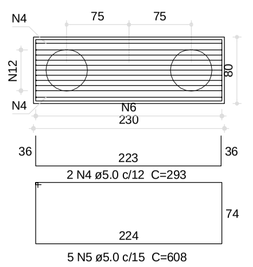
Planta
ESC 1:50

Corte
ESC 1:50

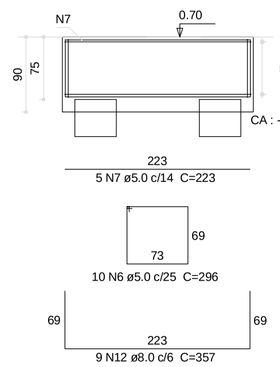


B96-97
2ø50

Planta
ESC 1:50

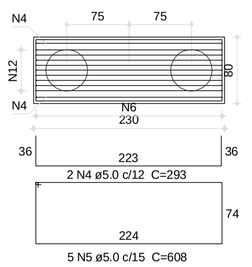


Corte
ESC 1:50

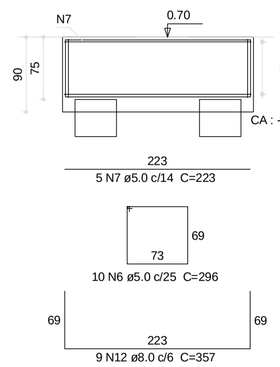


B98-104
2ø50

Planta
ESC 1:50

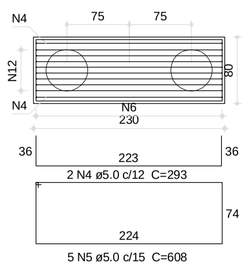


Corte
ESC 1:50

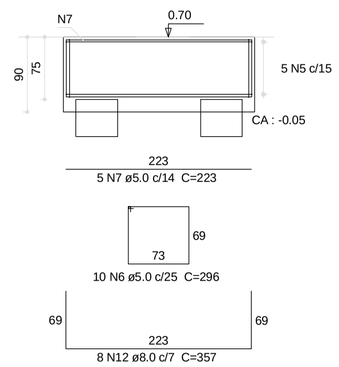


B6-15
2ø50

Planta
ESC 1:50

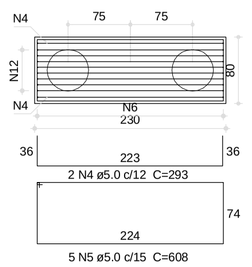


Corte
ESC 1:50

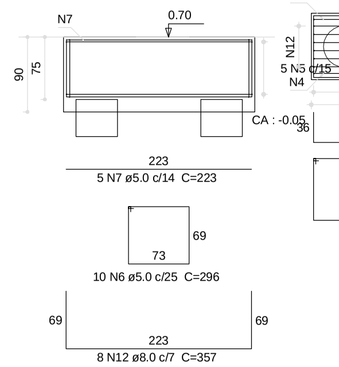


B7-16
2ø50

Planta
ESC 1:50



Corte
ESC 1:50



B12-19
2ø50

Planta
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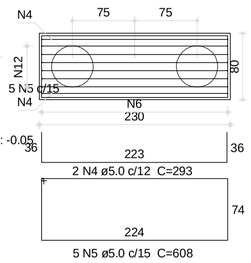

Corte
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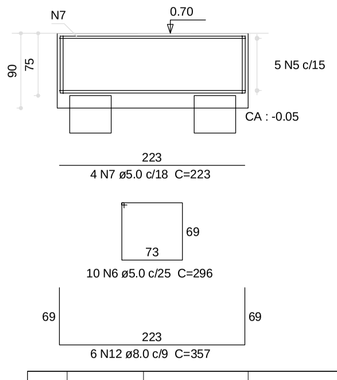
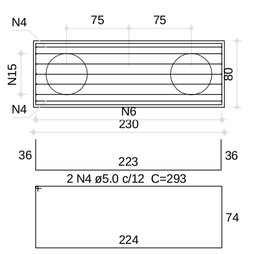
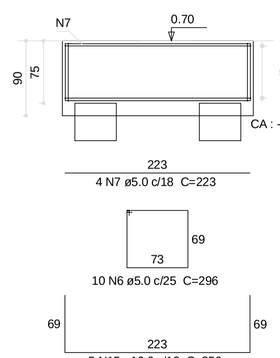


B195-207
2ø50

Planta
ESC 1:50

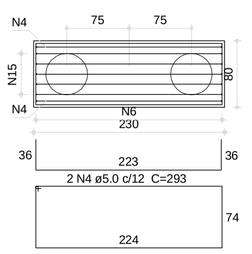


Corte
ESC 1:50



B78-79
2ø50

Planta
ESC 1:50



Corte
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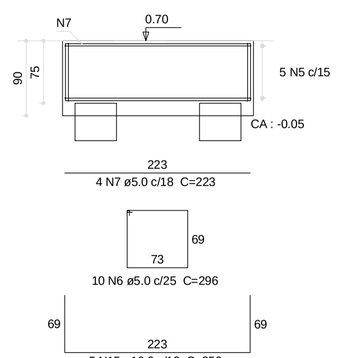

B11-18
2ø50

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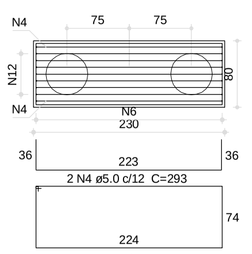
ESC 1:50



Corte
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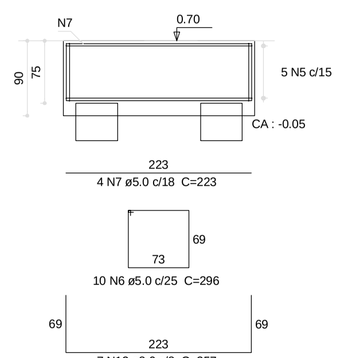
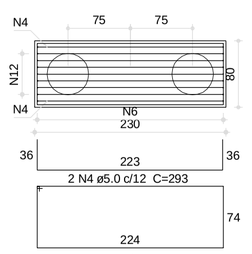


B22-23
2ø50

Planta
ESC 1:50



Corte
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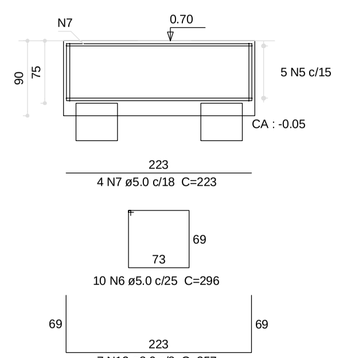

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

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

UFVJM

TÍTULO
DETALHAMENTO DAS FUNDAÇÕES DO SUBSOLO-3/3

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		09/71

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