

Resumo Aço Piso 8 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø6.3	164.7	45	
Ø10	20.4	14	
Ø12.5	26.0	28	
Ø16	24.4	42	
Ø20	102.0	278	407
CA-60-B Ø5	56.2	10	10
Total			417

Pilares que terminam em
Piso 8

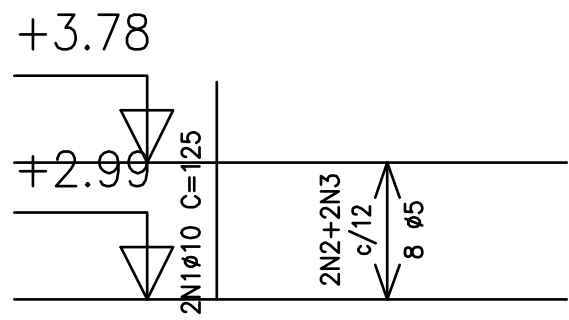
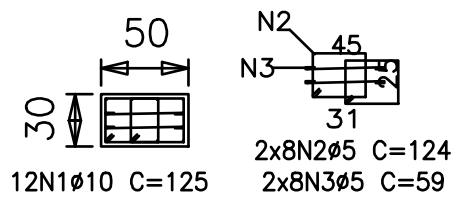
Concreto: C20, em geral

Aço: CA-50-A e CA-60-B

Escala: 1:100

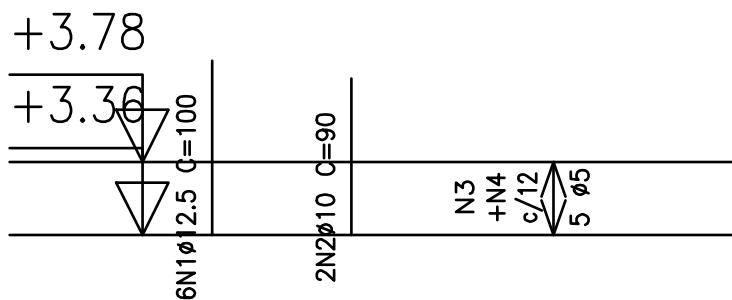
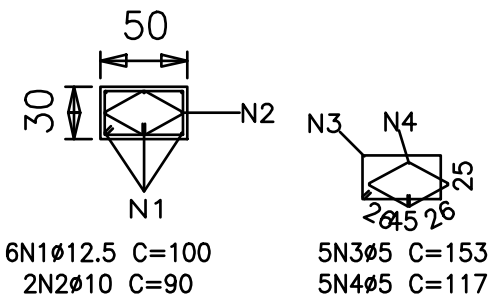
P24

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø10	12	125	1500
CA-60-B	2	Ø5	16	124	1984
"	3	Ø5	16	59	944



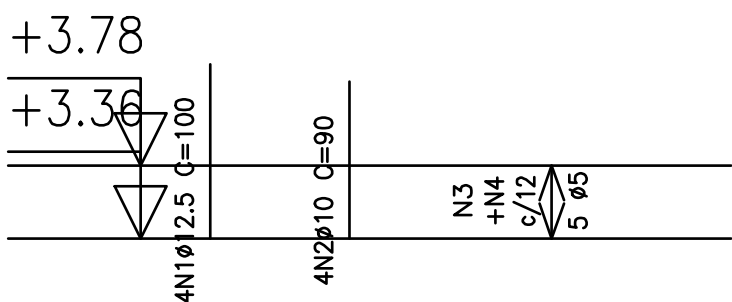
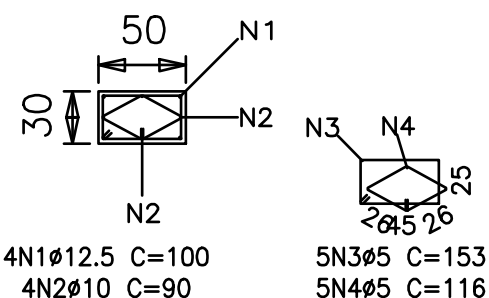
P4

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø12.5	6	100	600
"	2	Ø10	2	90	180
CA-60-B	3	Ø5	5	153	765
"	4	Ø5	5	117	585



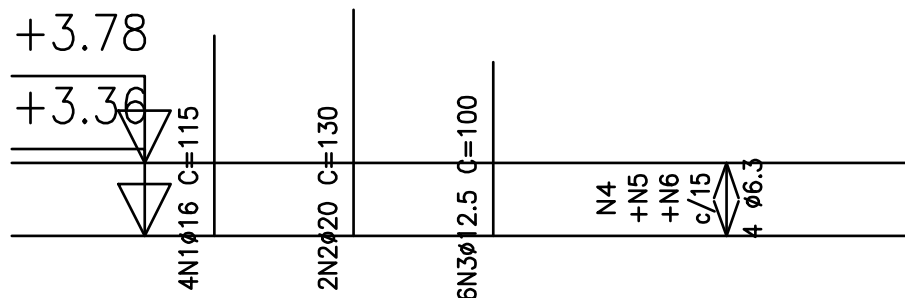
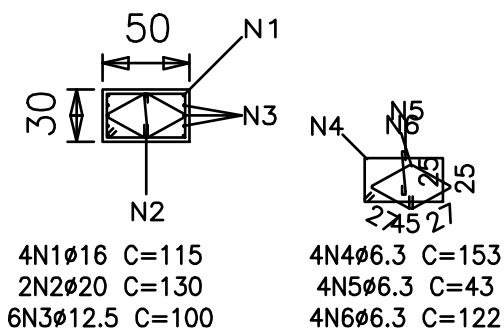
P11

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø12.5	4	100	400
"	2	Ø10	4	90	360
CA-60-B	3	Ø5	5	153	765
"	4	Ø5	5	116	580



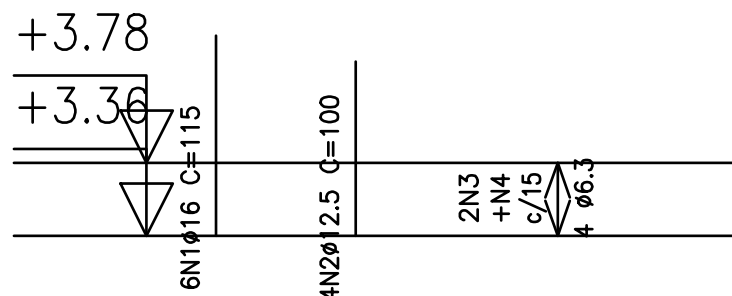
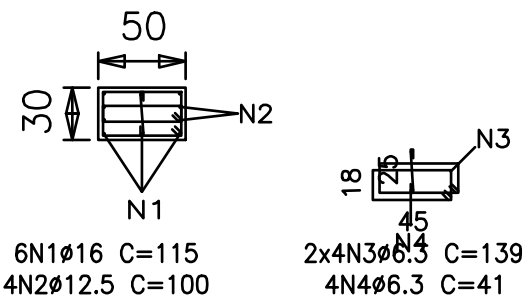
P14

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø16	4	115	460
"	2	Ø20	2	130	260
"	3	Ø12.5	6	100	600
"	4	Ø6.3	4	153	612
"	5	Ø6.3	4	43	172
"	6	Ø6.3	4	122	488



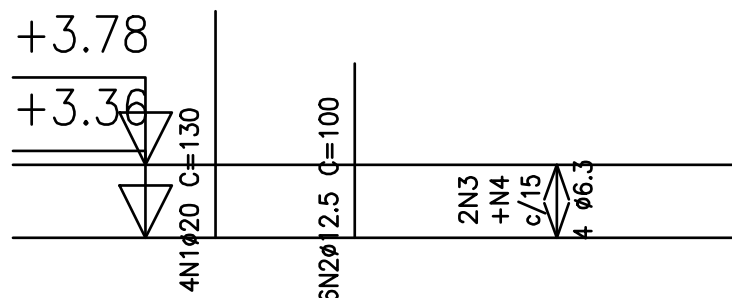
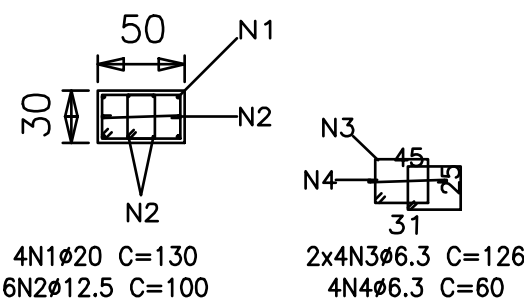
P13

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø16	6	115	690
"	2	Ø12.5	4	100	400
"	3	Ø6.3	8	139	1112
"	4	Ø6.3	4	41	164



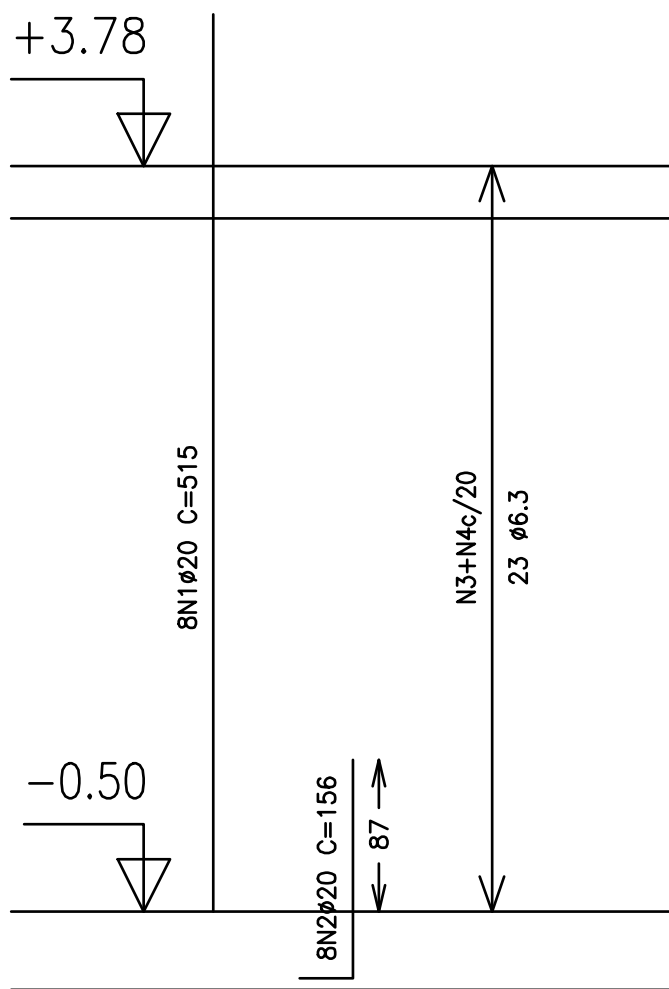
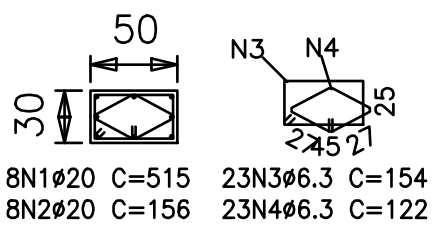
P20

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø20	4	130	520
"	2	Ø12.5	6	100	600
"	3	Ø6.3	8	126	1008
"	4	Ø6.3	4	60	240



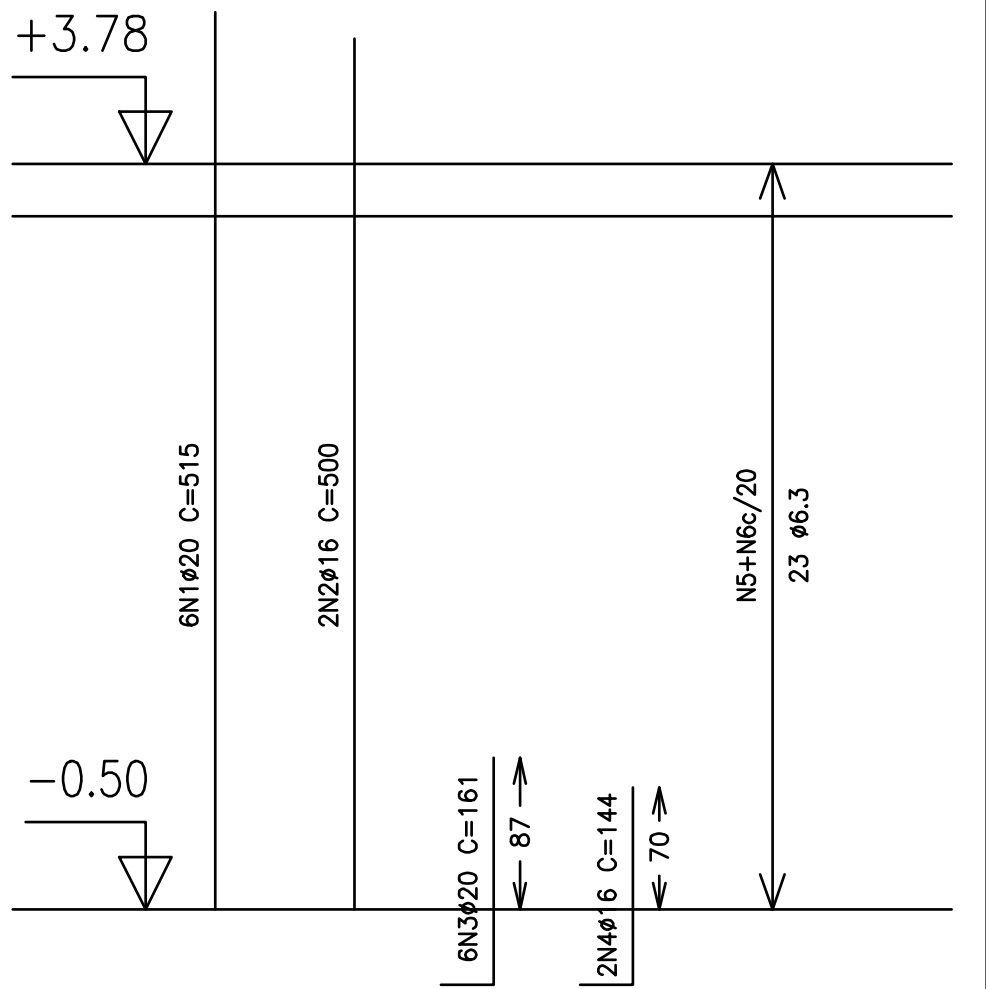
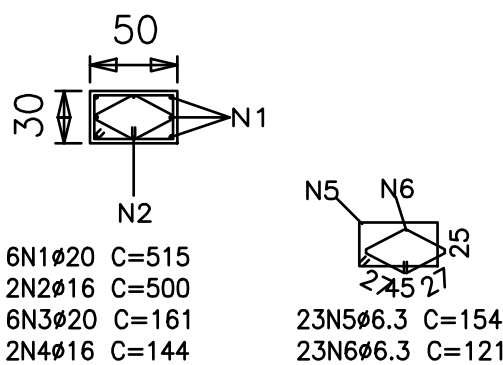
P26

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø20	8	515	4120
"	2	Ø20	8	156	1248
"	3	Ø6.3	23	154	3542
"	4	Ø6.3	23	122	2806



P32

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø20	6	515	3090
"	2	Ø16	2	500	1000
"	3	Ø20	6	161	966
"	4	Ø16	2	144	288
"	5	Ø6.3	23	154	3542
"	6	Ø6.3	23	121	2783



RAMPA DO RESTAURANTE CAMPUS TÓFILO OTONI AVENIDA DR. LUIS BOALI PORTO SALMAN, S/Nº - BAIRRO IPIRANGA - TEOFILO OTONI/MG		
PROPRIETÁRIO:	UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI	CNPJ 16.888.315/0001-57
OBSERVAÇÕES CONFERIR MEDIDAS NA OBRA		
TÍTULO PROJETO DA RAMPA DO RESTAURANTE		
AUTOR PROJETO: ROBSON NOGUEIRA GOMES - CREA 111839/D		
VERSÃO: VERSÃO 1	DATA: 22.05.2013	AUTOCAD: FOLHA: 31/66