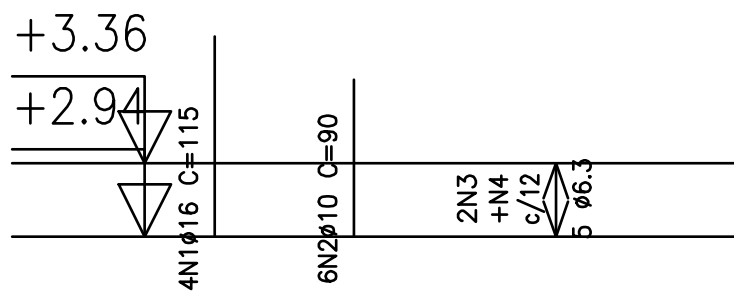
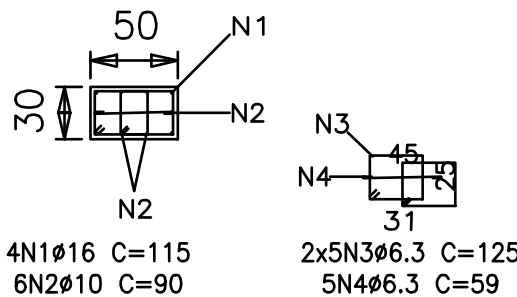


Resumo Aço Piso 7 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A $\varnothing 6.3$	84.4	23	252
$\varnothing 10$	158.3	109	
$\varnothing 12.5$	20.2	22	
$\varnothing 16$	28.0	48	
$\varnothing 20$	18.2	50	
CA-60-B $\varnothing 5$	322.7	56	56
Total			308

Pilares que terminam em
Piso 7
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala: 1:100

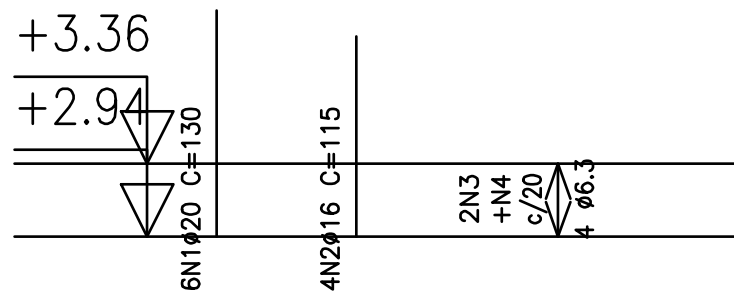
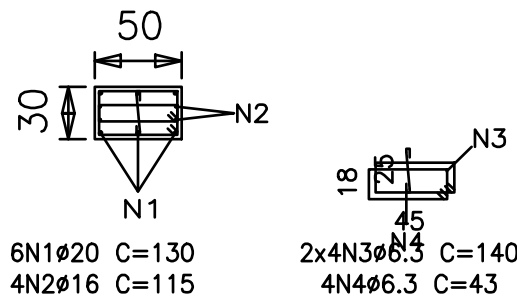
P11

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 16$	4	115	460
"	2	$\varnothing 10$	6	90	540
"	3	$\varnothing 6.3$	10	125	1250
"	4	$\varnothing 6.3$	5	59	295



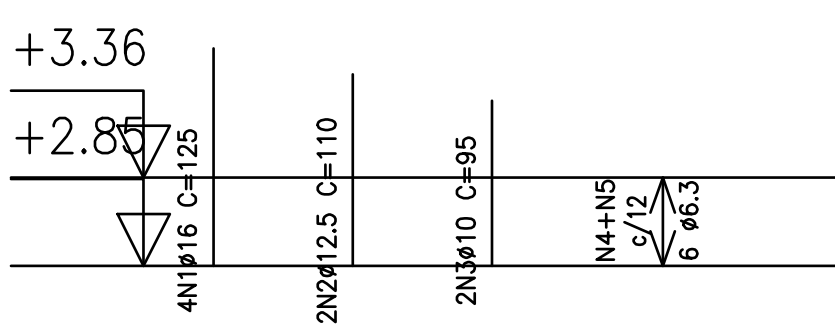
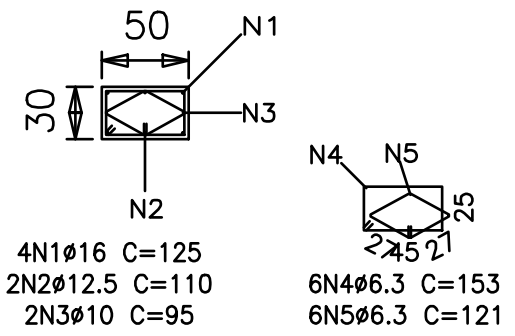
P14

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 20$	6	130	780
"	2	$\varnothing 16$	4	115	460
"	3	$\varnothing 6.3$	8	140	1120
"	4	$\varnothing 6.3$	4	43	172



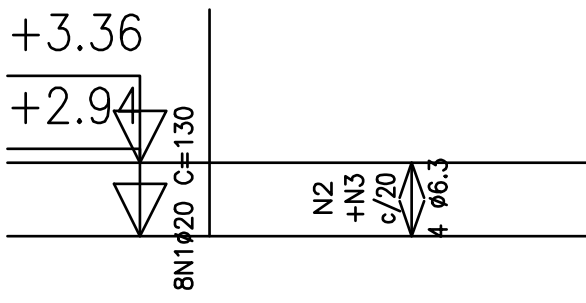
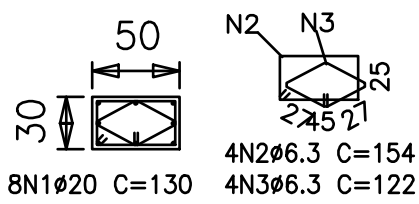
P19

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 16$	4	125	500
"	2	$\varnothing 12.5$	2	110	220
"	3	$\varnothing 10$	2	95	190
"	4	$\varnothing 6.3$	6	153	918
"	5	$\varnothing 6.3$	6	121	726



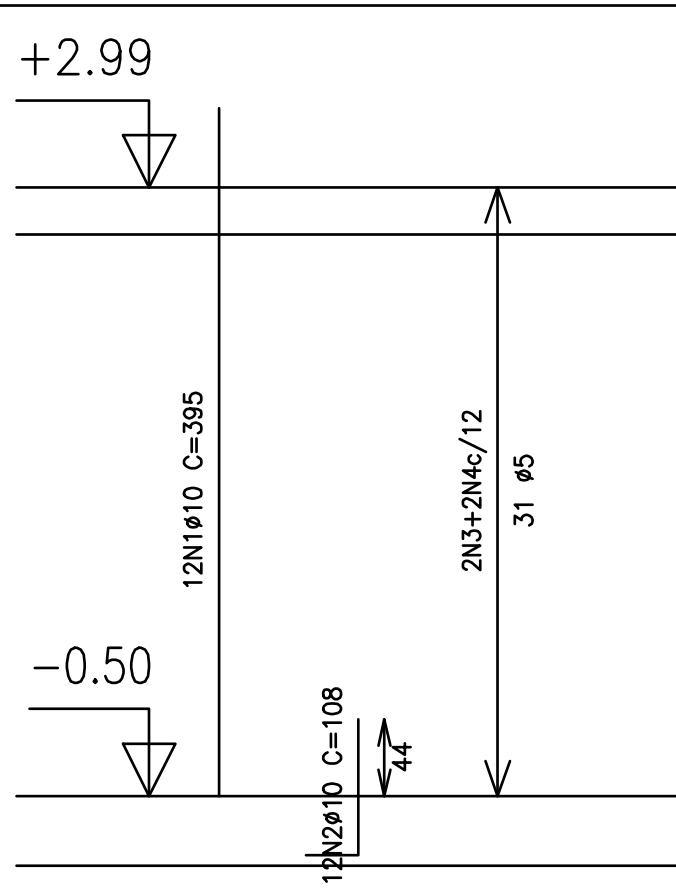
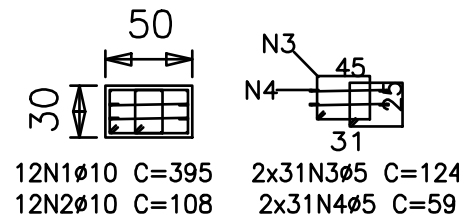
P20

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 20$	8	130	1040
"	2	$\varnothing 6.3$	4	154	616
"	3	$\varnothing 6.3$	4	122	488



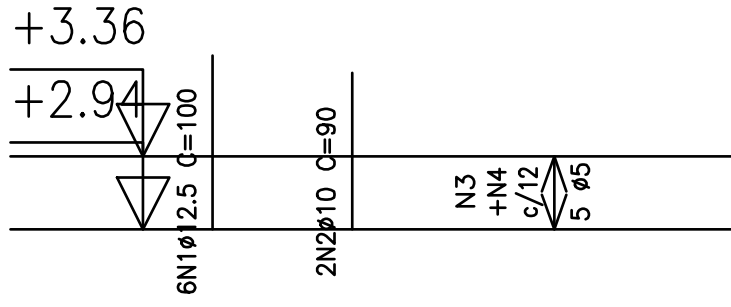
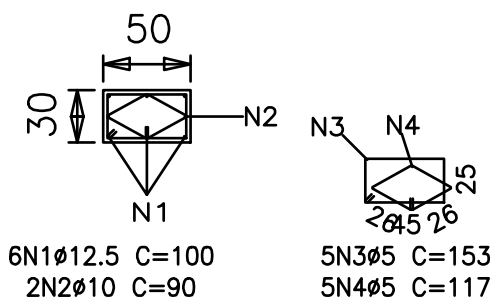
P24

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 10$	12	395	4740
"	2	$\varnothing 10$	12	108	1296
CA-60-B	3	$\varnothing 5$	62	124	7688
"	4	$\varnothing 5$	62	59	3658



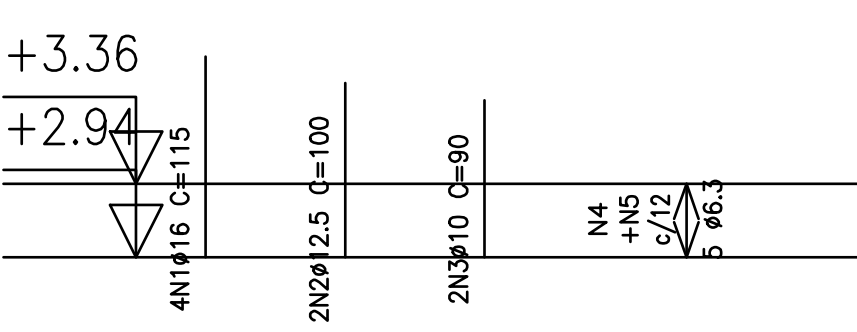
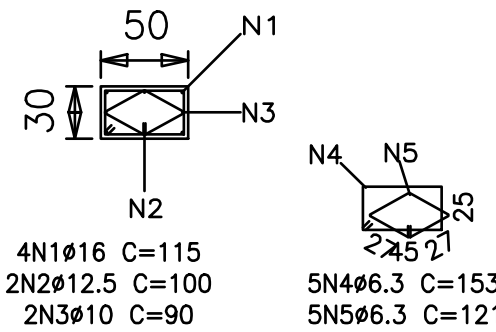
P3=P10

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 2 (cm)
CA-50-A	1	$\varnothing 12.5$	6	100	600	1200
"	2	$\varnothing 10$	2	90	180	360
CA-60-B	3	$\varnothing 5$	5	153	765	1530
"	4	$\varnothing 5$	5	117	585	1170



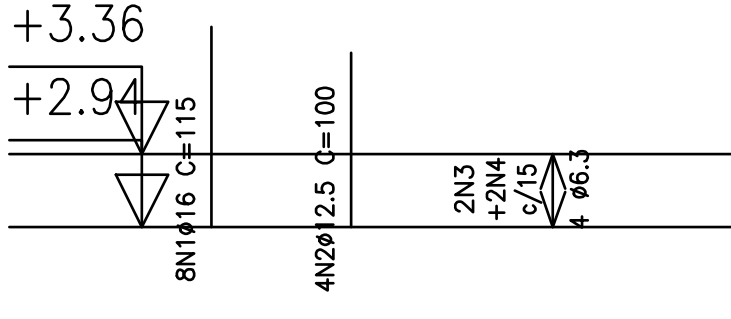
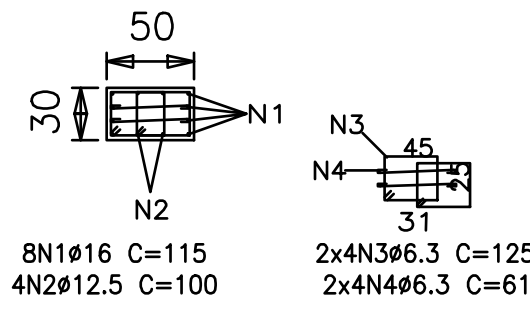
P4

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 16$	4	115	460
"	2	$\varnothing 12.5$	2	100	200
"	3	$\varnothing 10$	2	90	180
"	4	$\varnothing 6.3$	5	153	765
"	5	$\varnothing 6.3$	5	121	605



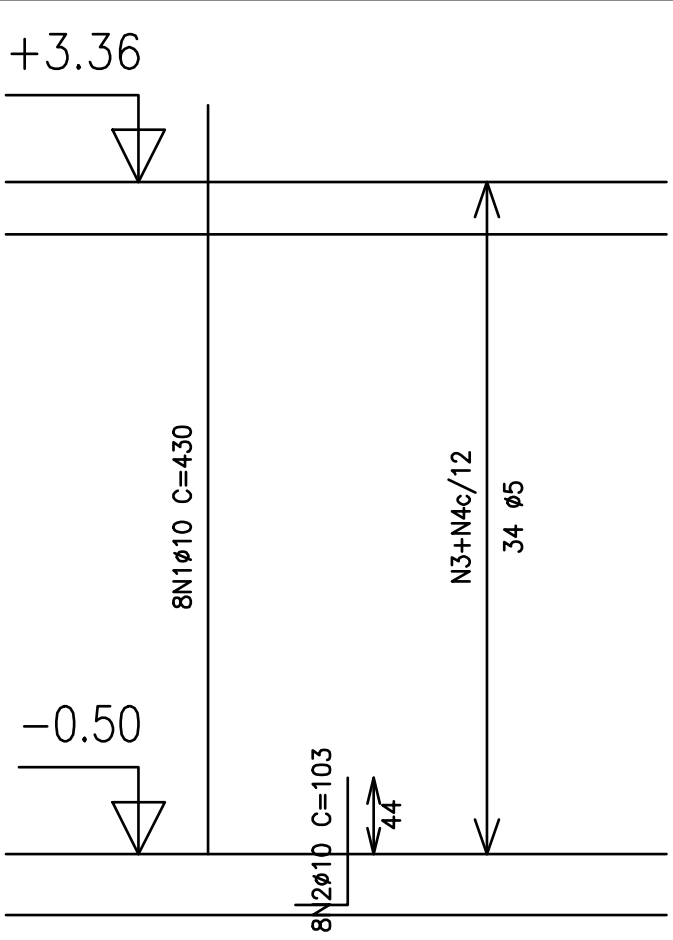
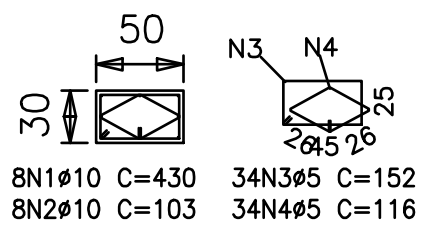
P13

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	$\varnothing 16$	8	115	920
"	2	$\varnothing 12.5$	4	100	400
"	3	$\varnothing 6.3$	8	125	1000
"	4	$\varnothing 6.3$	8	61	488



P25=P31

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 2 (cm)
CA-50-A	1	$\varnothing 10$	8	430	3440	6880
"	2	$\varnothing 10$	8	103	824	1648
CA-60-B	3	$\varnothing 5$	34	152	5168	10336
"	4	$\varnothing 5$	34	116	3944	7888



RAMPA DO RESTAURANTE CAMPUS TÓFILO OTONI			
AVENIDA DR. LUIS BOALI PORTO SALMAN, S/Nº - BAIRRO IPIRANGA - TEÓFILO 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:	DATA:	AUTOCAD:	FOLHA:
VERSÃO 1	22.05.2013		30/66