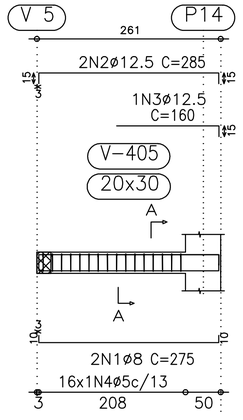
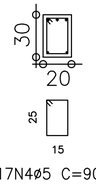
Piso 3
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:100
Escala seções: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 3	1	ø8	2	10	255	10	275	550	2.2	
	2	ø12.5	2	15	255	15	285	570	5.6	
	3	ø12.5	1		145	15	160	160	1.6	
	4	ø5	16				90	1440		2.3
								Total+10%:	10.3	2.5
V 4	5	ø8	2	10	255	10	275	550	2.2	
	6	ø8	2	10	255	10	275	550	2.2	
	7	ø5	17				90	1530		2.4
								Total+10%:	4.8	2.6
V 5	8	ø12.5	2	15	555	15	585	1170	11.5	
	9	ø12.5	3	15	555	15	585	1755	17.2	
	10	ø5	38				90	3420		5.4
								Total+10%:	31.6	5.9
V 6	11	ø10	2	12	565	12	589	1178	7.4	
	12	ø12.5	2	24	565	24	613	1226	12.0	
	13	ø5	36				90	3240		5.1
								Total+10%:	21.3	5.6
								ø5:	0.0	16.6
								ø8:	7.2	0.0
								ø10:	8.1	0.0
								ø12.5:	52.7	0.0
								Total:	68.0	16.6

V 3
Escala 1:100

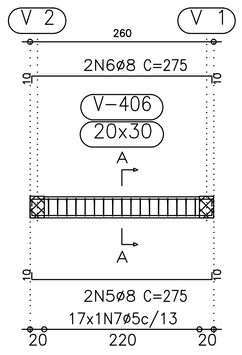


Corte A
Escala 1:50

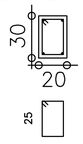


17N4ø5 C=90

V 4
Escala 1:100

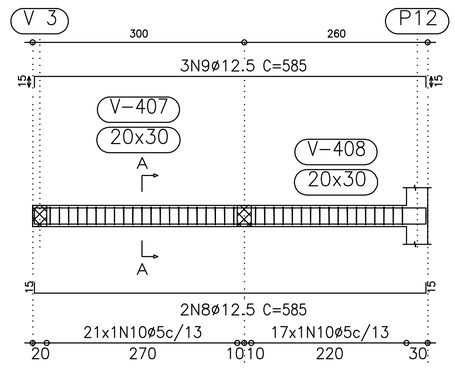


Corte A
Escala 1:50

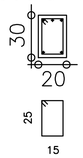


17N7ø5 C=90

V 5
Escala 1:100

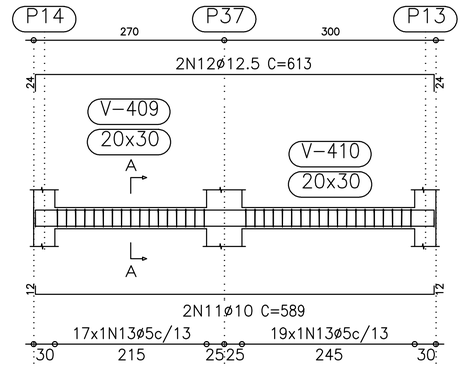


Corte A
Escala 1:50

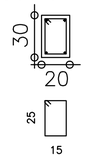


38N10ø5 C=90

V 6
Escala 1:100



Corte A
Escala 1:50



36N13ø5 C=90

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: VERSAO 1

DATA: 22.05.2013

AUTOCAD:

FOLHA: 40/66