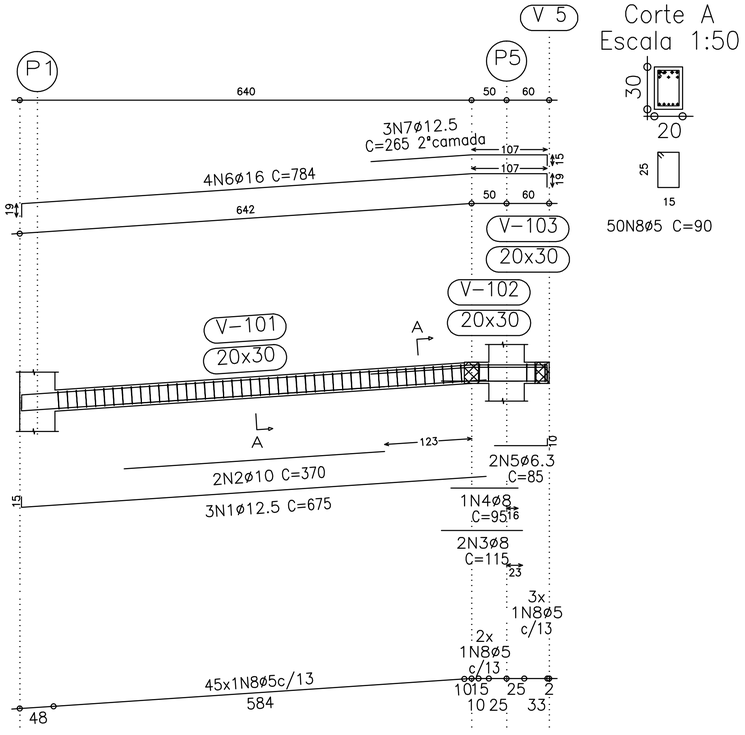
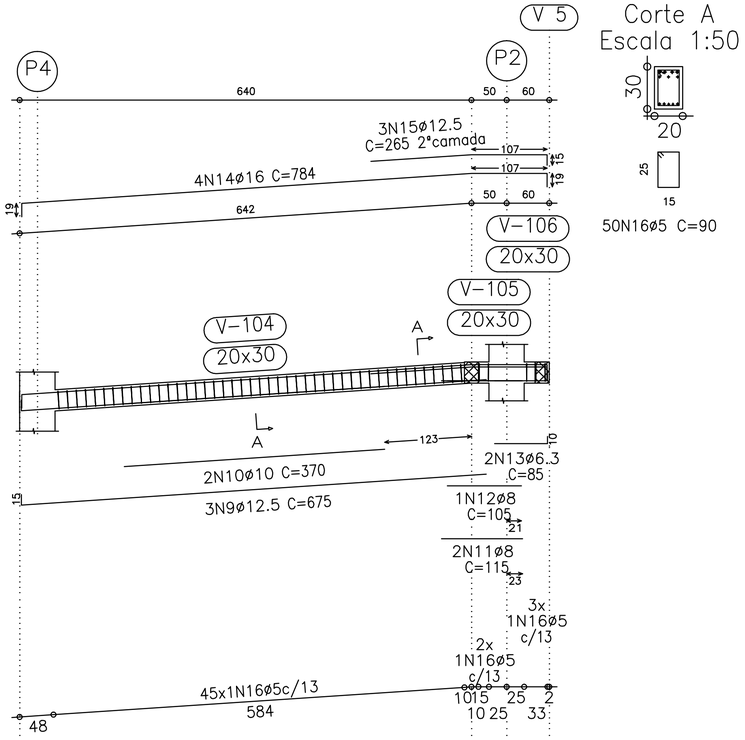
V 1
Escala 1:100



Corte A
Escala 1:50

V 2
Escala 1:100



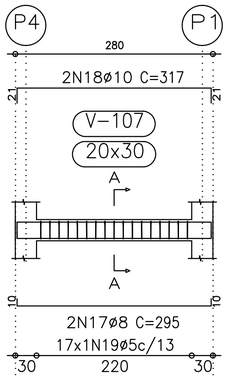
Corte A
Escala 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	ø12.5	3	15	660		675	2025	19.9	
	2	ø10	2		370		370	740	4.6	
	3	ø8	2		115		115	230	0.9	
	4	ø8	1		95		95	95	0.4	
	5	ø6.3	2		75	10	85	170	0.4	
	6	ø16	4	19	746	19	784	3136	49.2	
	7	ø12.5	3		250	15	265	795	7.8	
	8	ø5	50				90	4500		7.1
								Total+10%:	91.5	7.8
V 2	9	ø12.5	3	15	660		675	2025	19.9	
	10	ø10	2		370		370	740	4.6	
	11	ø8	2		115		115	230	0.9	
	12	ø8	1		105		105	105	0.4	
	13	ø6.3	2		75	10	85	170	0.4	
	14	ø16	4	19	746	19	784	3136	49.2	
	15	ø12.5	3		250	15	265	795	7.8	
	16	ø5	50				90	4500		7.1
								Total+10%:	91.5	7.8
V 3	17	ø8	2	10	275	10	295	590	2.3	
	18	ø10	2	21	275	21	317	634	4.0	
	19	ø5	17				90	1530		2.4
								Total+10%:	6.9	2.6
V 4	20	ø8	2	10	255	10	275	550	2.2	
	21	ø8	2	10	255	10	275	550	2.2	
	22	ø5	17				90	1530		2.4
								Total+10%:	4.8	2.6
V 5	23	ø8	2	10	255	10	275	550	2.2	
	24	ø10	2	12	255	12	279	558	3.5	
	25	ø5	17				90	1530		2.4
								Total+10%:	6.3	2.6
								ø5:	0.0	23.4
								ø6.3:	0.8	0.0
								ø8:	12.7	0.0
								ø10:	18.3	0.0
								ø12.5:	61.0	0.0
								ø16:	108.2	0.0
								Total:	201.0	23.4

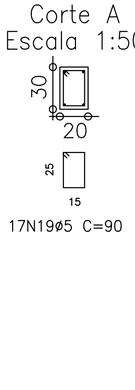
Térreo
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:100
Escala seções: 1:50

Resumo Aço Térreo Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	3.4	1	
	ø8	29.0	13	
	ø10	26.7	18	
	ø12.5	56.4	61	
	ø16	62.7	108	201
CA-60-B	ø5	135.9	23	23
Total				224

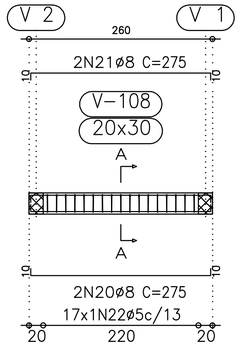
V 3
Escala 1:100



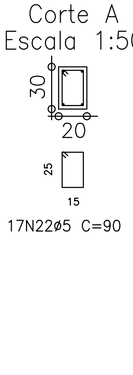
Corte A
Escala 1:50



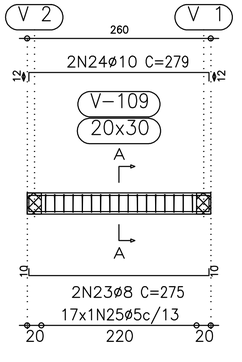
V 4
Escala 1:100



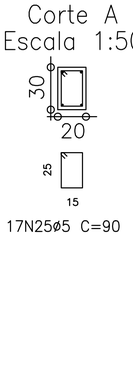
Corte A
Escala 1:50



V 5
Escala 1:100



Corte A
Escala 1:50



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: 36/66