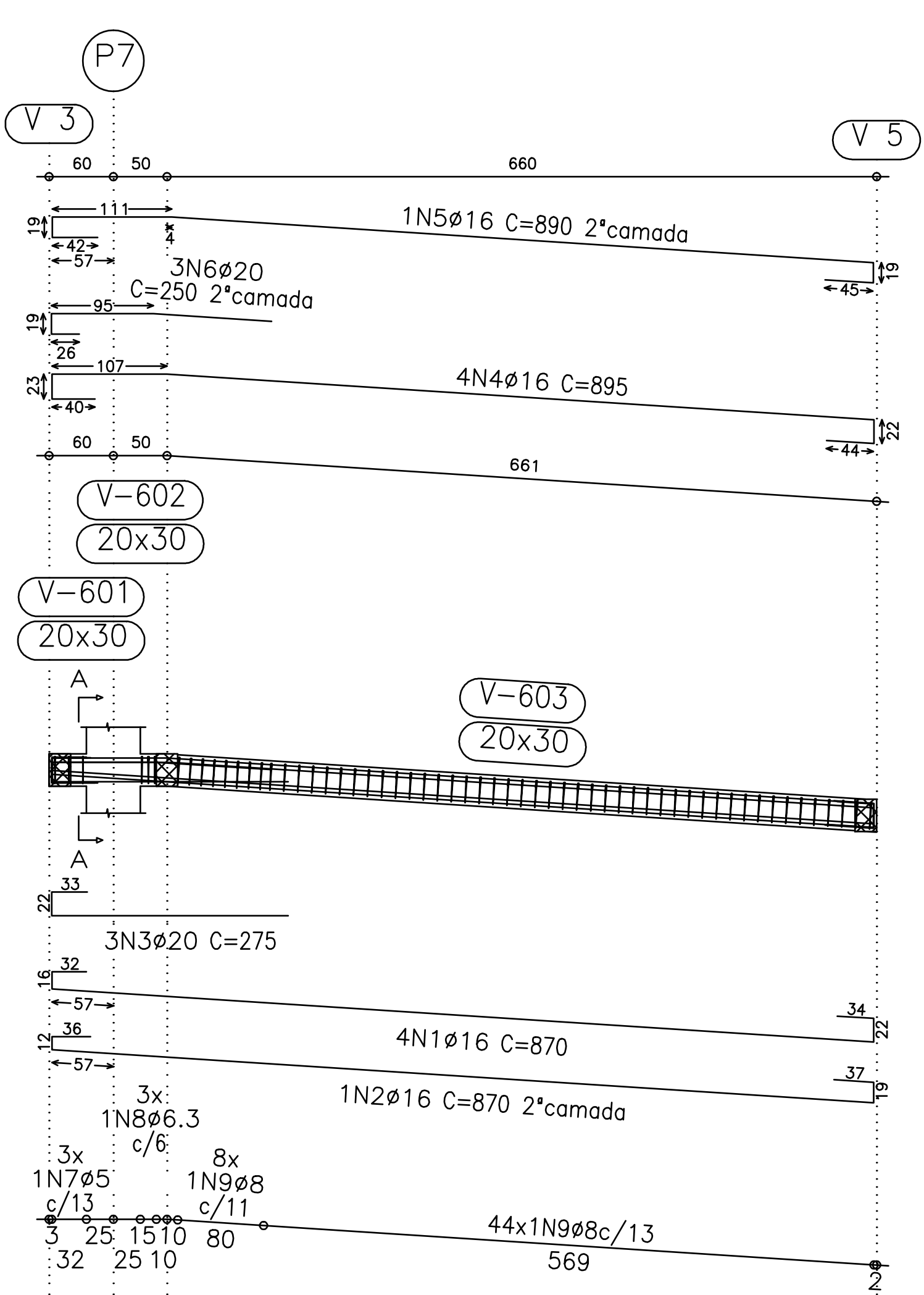
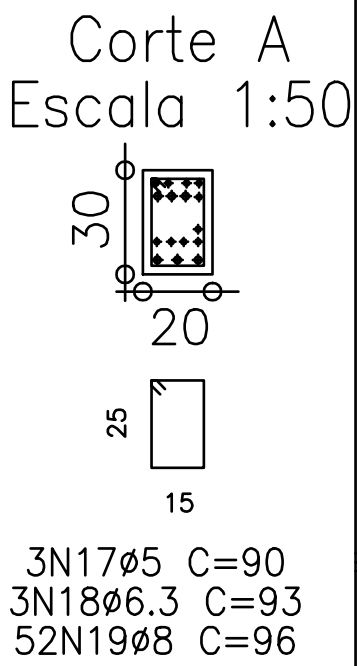
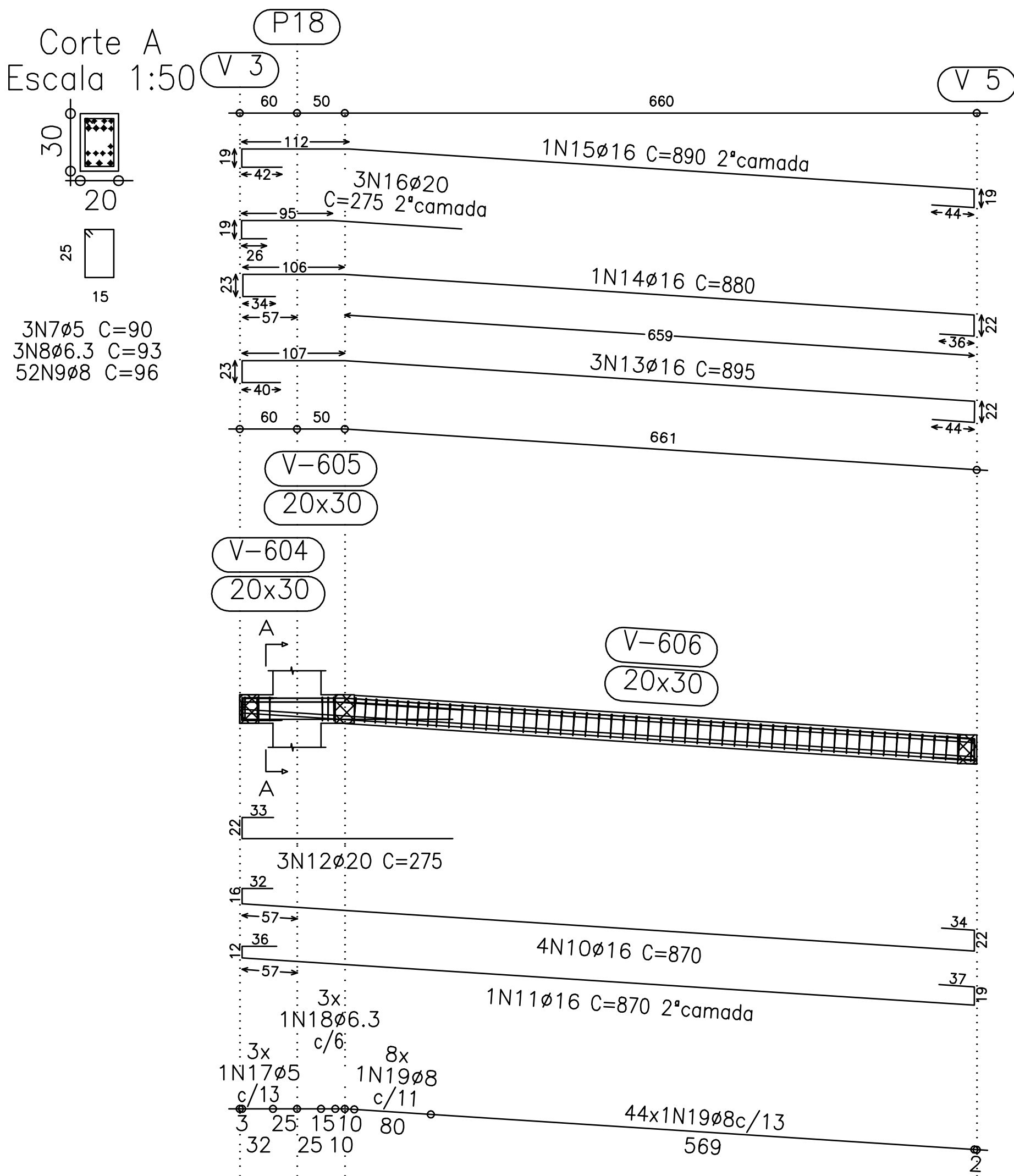


V 1
Escala 1:100

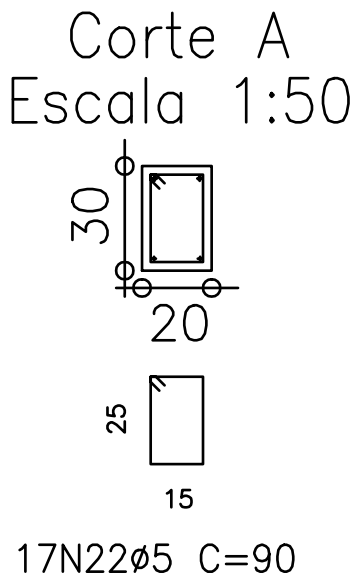
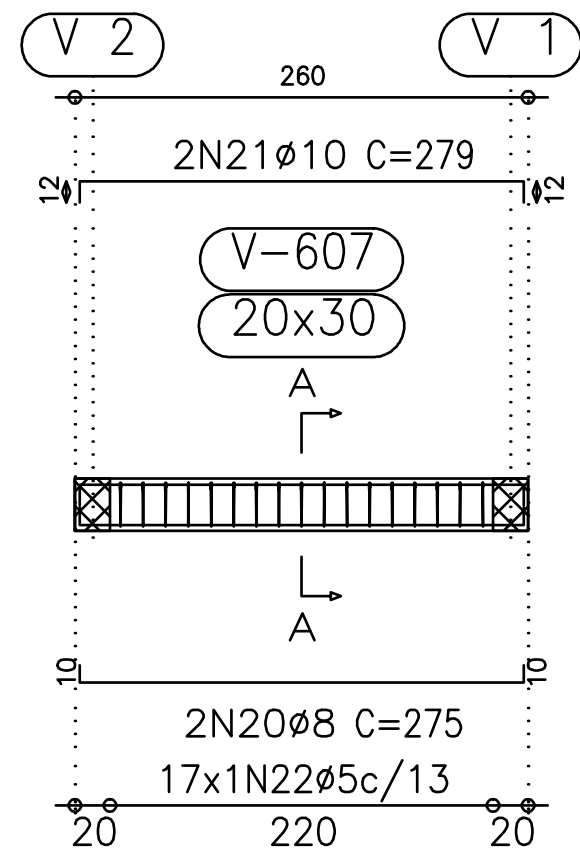


V 2
Escala 1:100

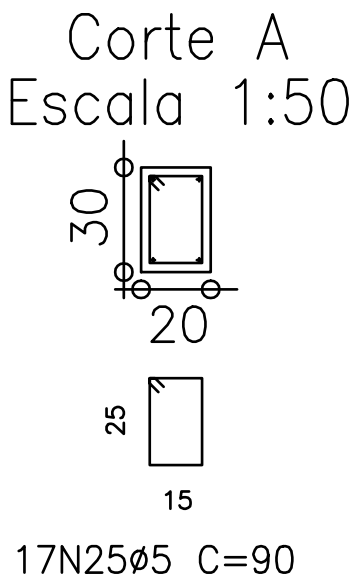
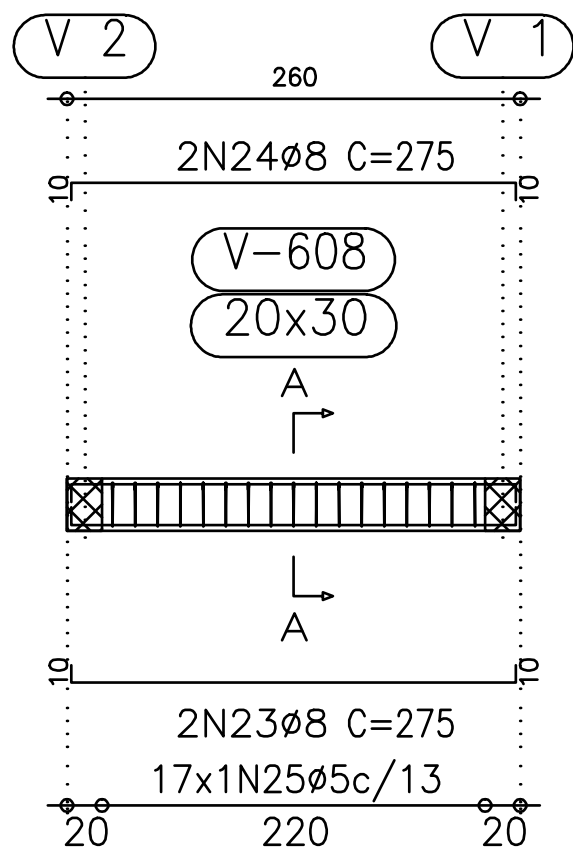


Resumo Aço Piso 5 Vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø6.3	5.6	2	453
Ø8	127.3	55	
Ø10	5.6	4	
Ø16	176.3	304	
Ø20	32.3	88	9
CA-60-B Ø5	51.3	9	
Total			462

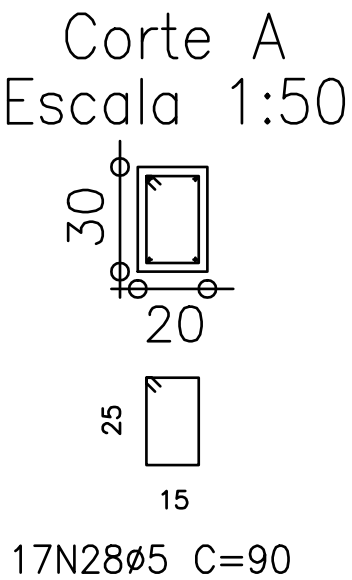
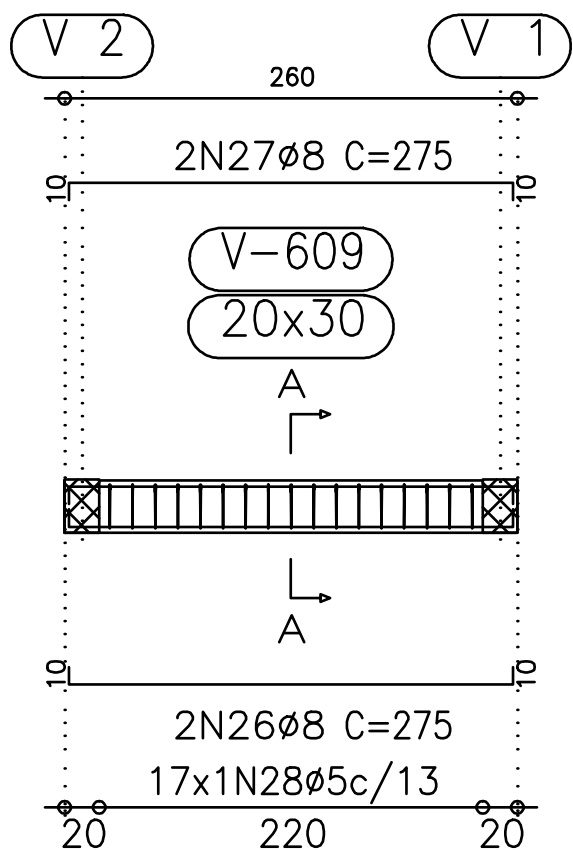
V 3
Escala 1:100



V 4
Escala 1:100



V 5
Escala 1:100



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	Ø16	4	48	766	56	870	3480	54.6	0.4
	2	Ø16	1	48	766	56	870	870	13.7	
	3	Ø20	3	55	220		275	825	20.4	
	4	Ø16	4	63	766	66	895	3580	56.2	
	5	Ø16	1	61	765	64	890	890	14.0	
	6	Ø20	3	45	205		250	750	18.5	
	7	Ø5	3				90	270		
	8	Ø6.3	3				93	279	0.7	
	9	Ø8	52				96	4992	19.6	
	Total+10%:								217.5	0.4
V 2	10	Ø16	4	48	766	56	870	3480	54.6	0.4
	11	Ø16	1	48	766	56	870	870	13.7	
	12	Ø20	3	55	220		275	825	20.4	
	13	Ø16	3	63	766	66	895	2685	42.2	
	14	Ø16	1	57	765	58	880	880	13.8	
	15	Ø16	1	61	766	63	890	890	14.0	
	16	Ø20	3	45	230		275	825	20.4	
	17	Ø5	3				90	270		
	18	Ø6.3	3				93	279	0.7	
	19	Ø8	52				96	4992	19.6	
Total+10%:								219.3	0.4	
V 3	20	Ø8	2	10	255	10	275	550	2.2	2.4
	21	Ø10	2	12	255	12	279	558	3.5	
	22	Ø5	17				90	1530		
Total+10%:								6.3	2.6	
V 4	23	Ø8	2	10	255	10	275	550	2.2	2.4
	24	Ø8	2	10	255	10	275	550	2.2	
	25	Ø5	17				90	1530		
Total+10%:								4.8	2.6	
V 5	26	Ø8	2	10	255	10	275	550	2.2	2.4
	27	Ø8	2	10	255	10	275	550	2.2	
	28	Ø5	17				90	1530		
Total+10%:								4.8	2.6	
								Ø5:	0.0	8.6
								Ø6.3:	1.6	0.0
								Ø8:	55.1	0.0
								Ø10:	3.9	0.0
								Ø16:	304.5	0.0
								Ø20:	87.6	0.0
								Total:	452.7	8.6

Piso 5
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:100
Escala seções: 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:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	22.05.2013		42/66