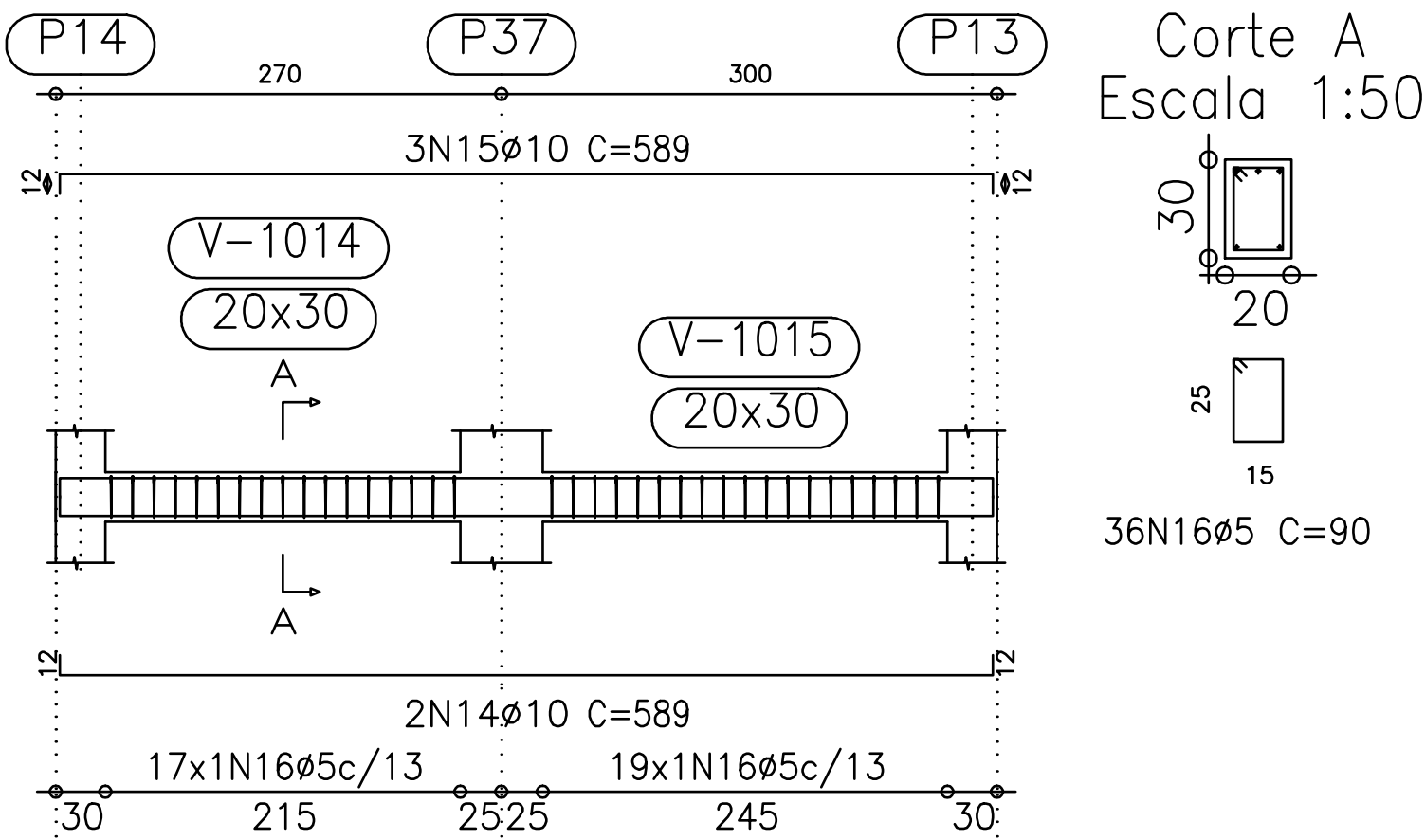
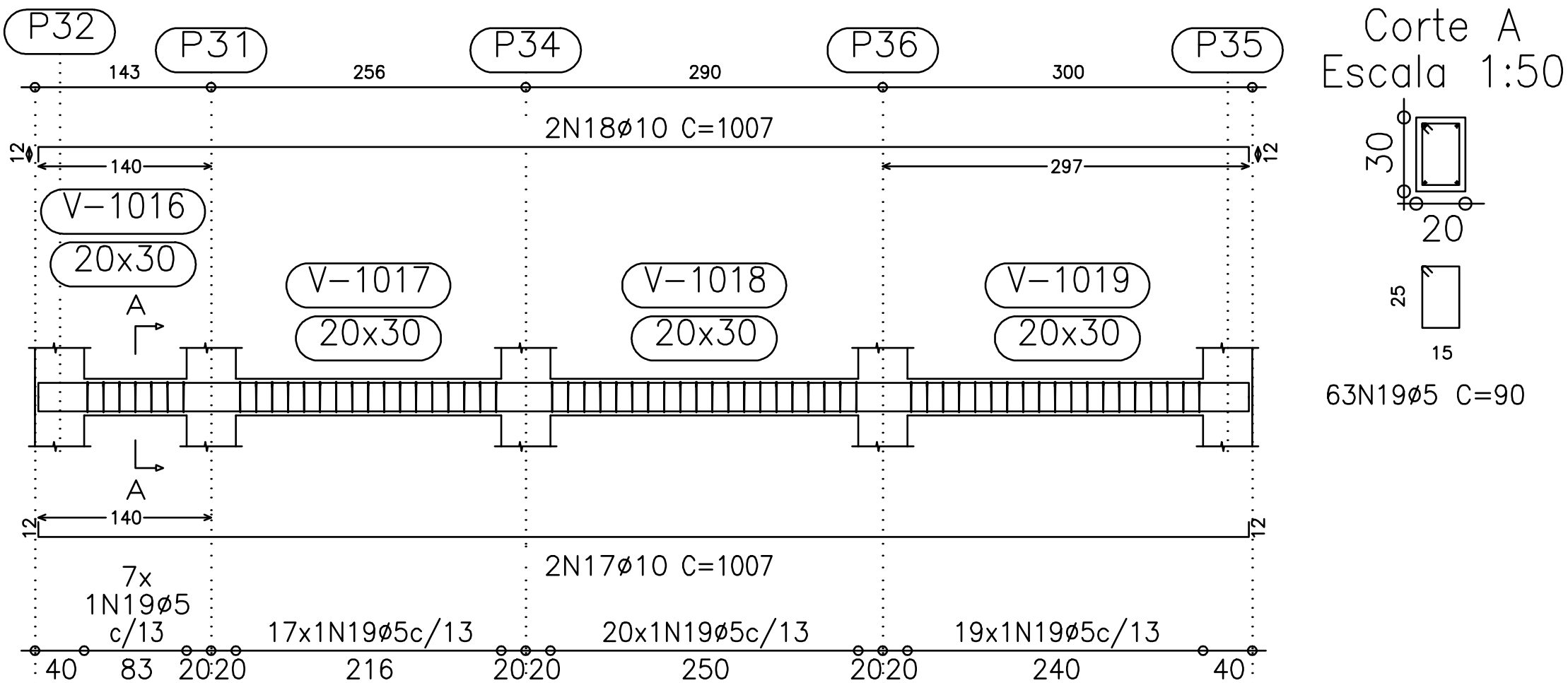


V 8
Escala 1:100

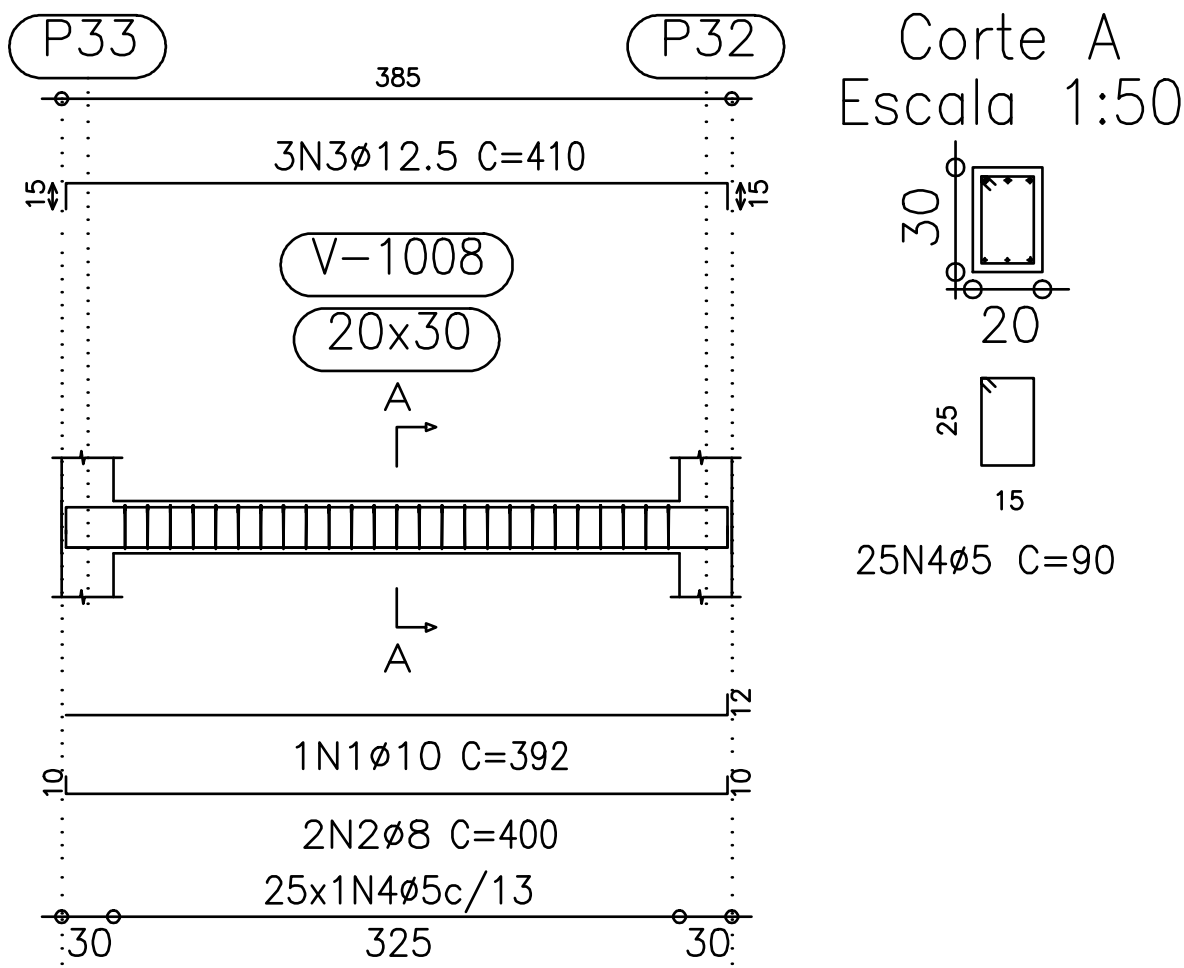


V 9
Escala 1:100

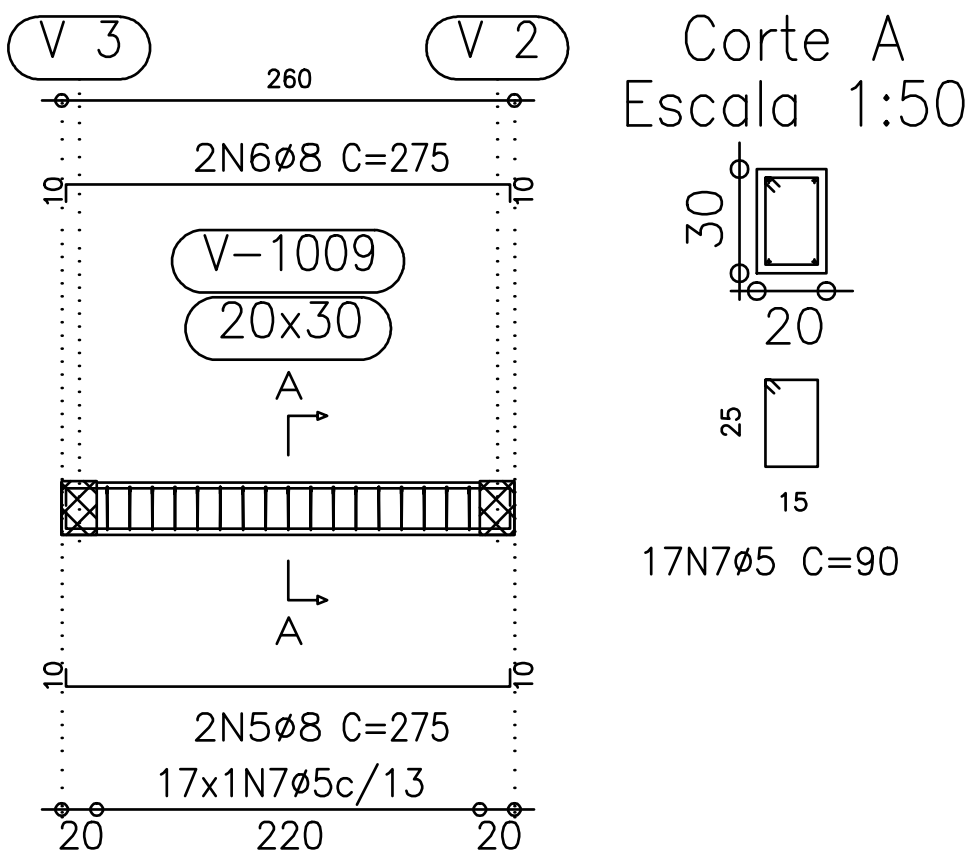


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 4	1	Ø10	1		380	12	392	392	2.5	
	2	Ø8	2	10	380	10	400	800	3.1	
	3	Ø12.5	3	15	380	15	410	1230	12.1	
	4	Ø5	25				90	2250		3.5
	Total+10%:								19.5	3.9
V 5	5	Ø8	2	10	255	10	275	550	2.2	
	6	Ø8	2	10	255	10	275	550	2.2	
	7	Ø5	17				90	1530		2.4
	Total+10%:								4.8	2.6
V 6	8	Ø8	2	10	255	10	275	550	2.2	
	9	Ø8	2	10	255	10	275	550	2.2	
	10	Ø5	17				90	1530		2.4
	Total+10%:								4.8	2.6
V 7	11	Ø10	3	12	443	12	467	1401	8.8	
	12	Ø10	3	12	443	12	467	1401	8.8	
	13	Ø5	25				90	2250		3.5
	Total+10%:								19.4	3.9
V 8	14	Ø10	2	12	565	12	589	1178	7.4	
	15	Ø10	3	12	565	12	589	1767	11.1	
	16	Ø5	36				90	3240		5.1
	Total+10%:								20.4	5.6
V 9	17	Ø10	2	12	983	12	1007	2014	12.6	
	18	Ø10	2	12	983	12	1007	2014	12.6	
	19	Ø5	63				90	5670		8.9
	Total+10%:								27.7	9.8
								Ø5:	0.0	28.4
								Ø8:	13.0	0.0
								Ø10:	70.3	0.0
								Ø12.5:	13.3	0.0
								Total:	96.6	28.4

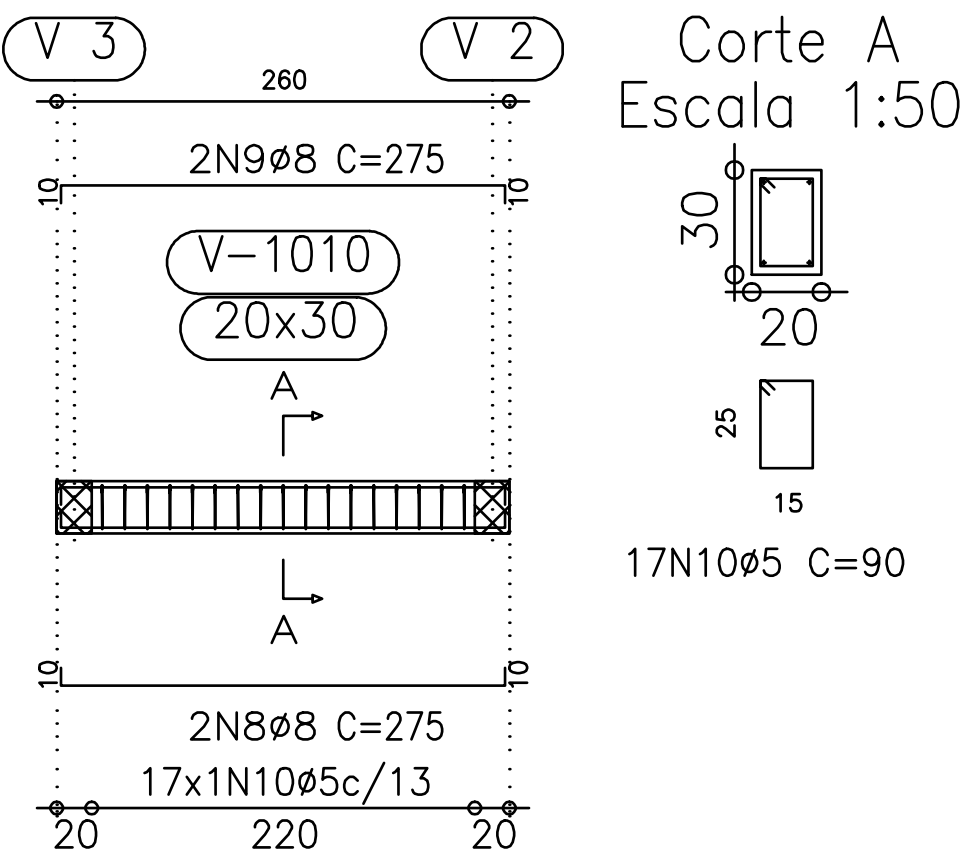
V 4
Escala 1:100



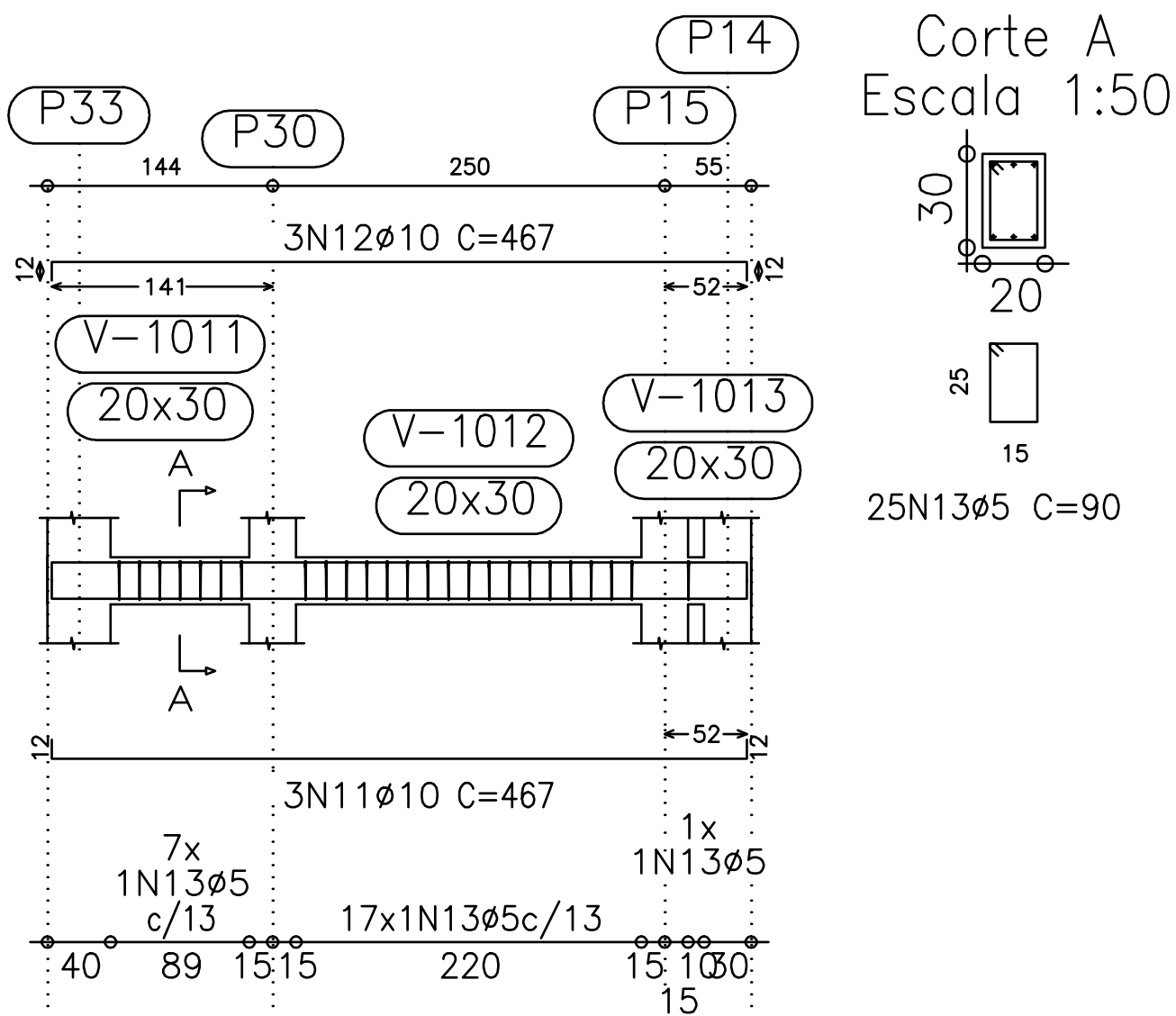
V 5
Escala 1:100



V 6
Escala 1:100



V 7
Escala 1:100



Piso 9
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:
VERSÃO 1	22.05.2013		49/66