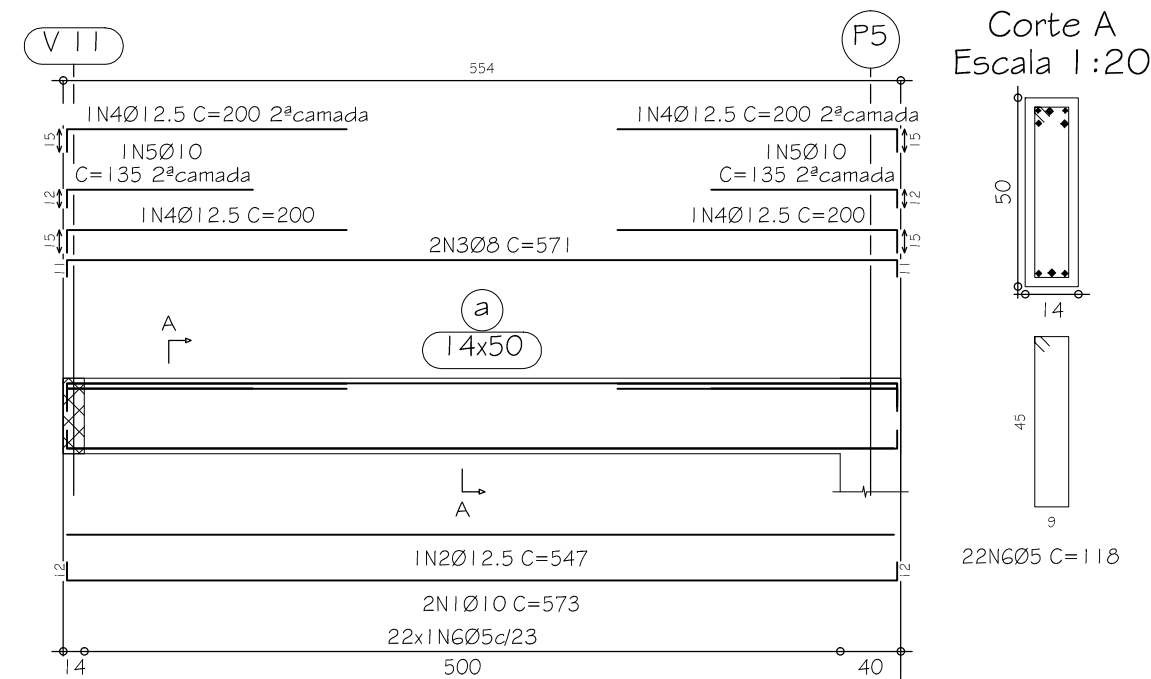
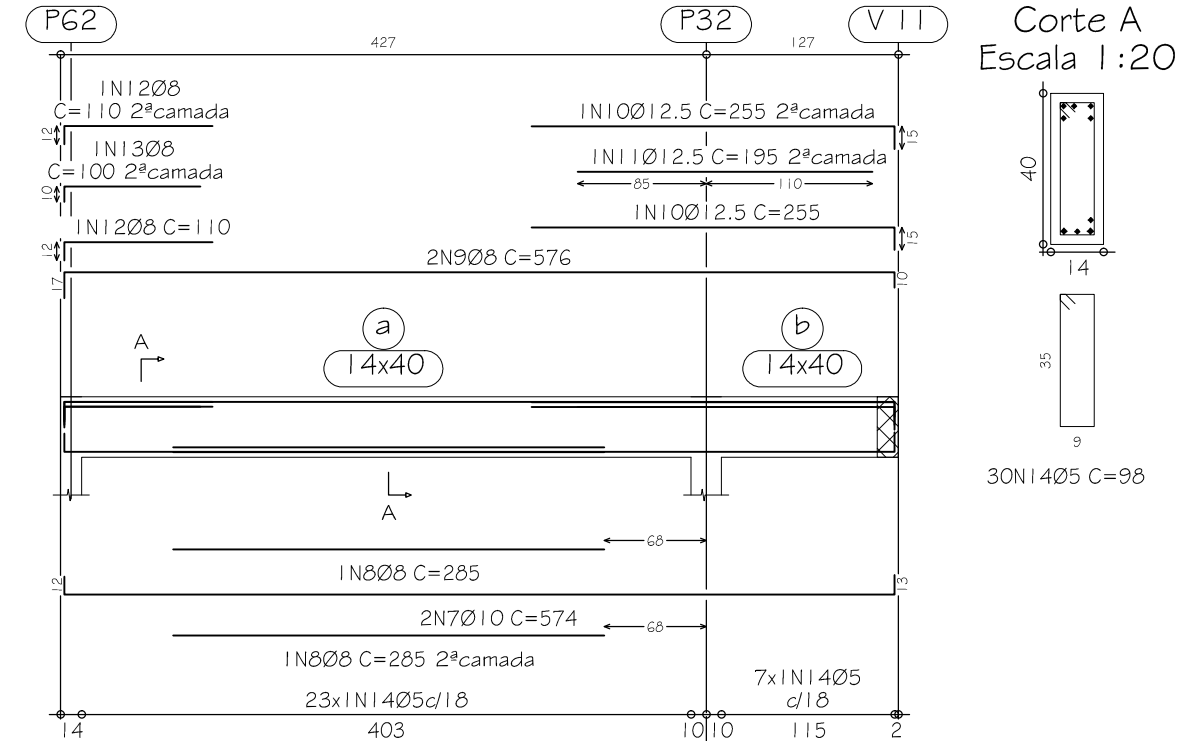


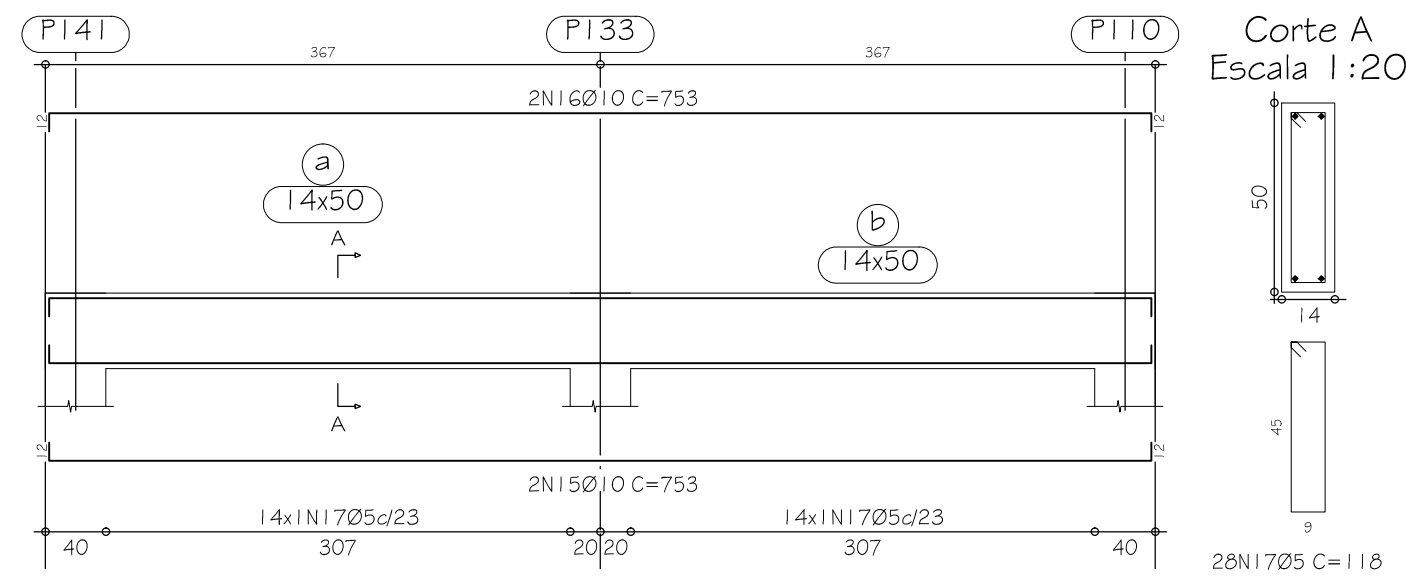
V 78  
Escala 1:50



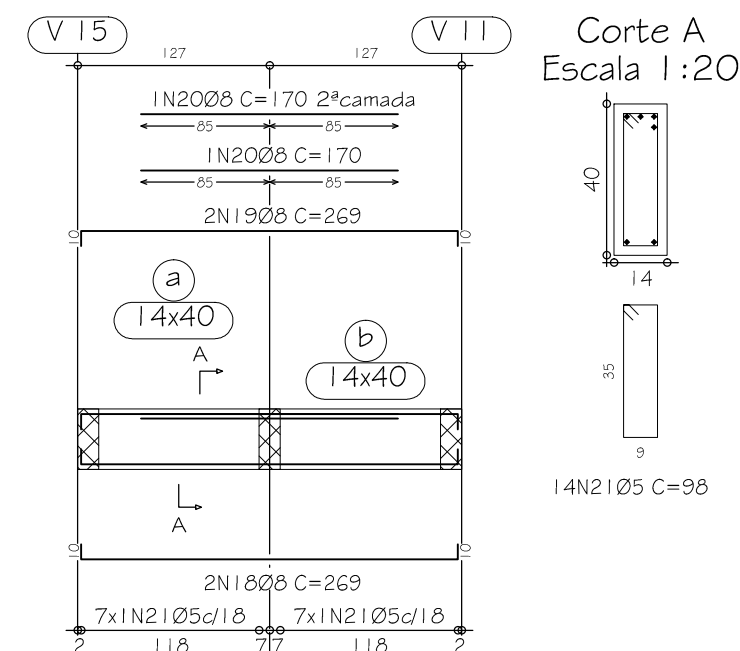
V 79  
Escala 1:50



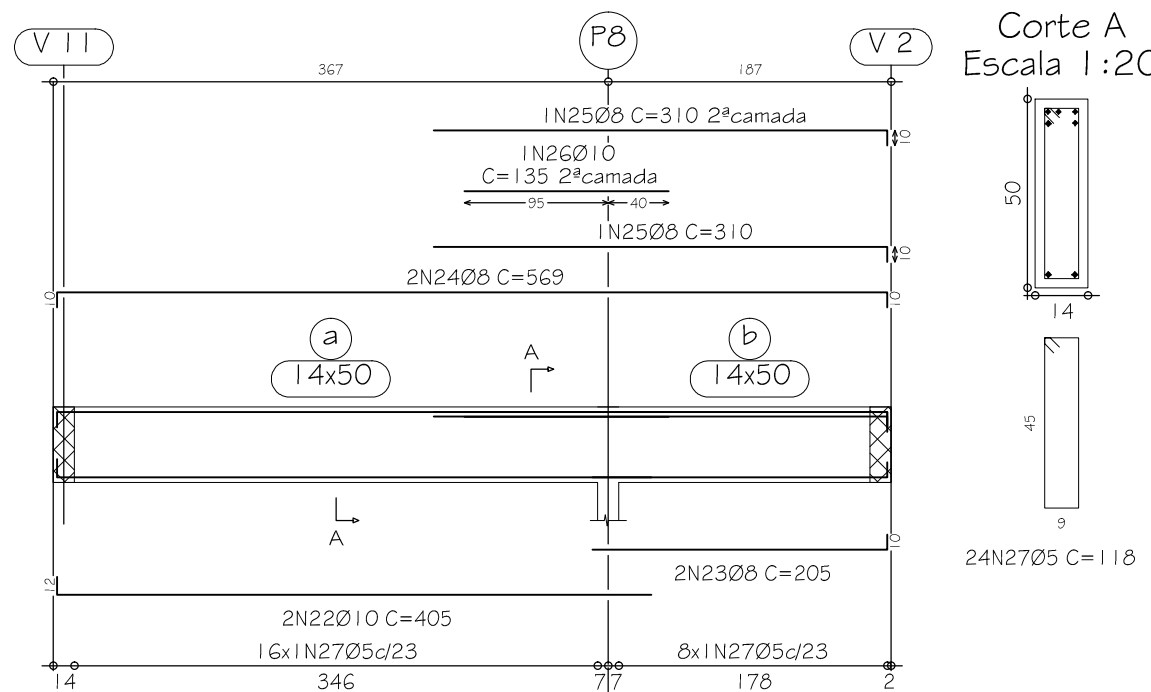
V 81  
Escala 1:50



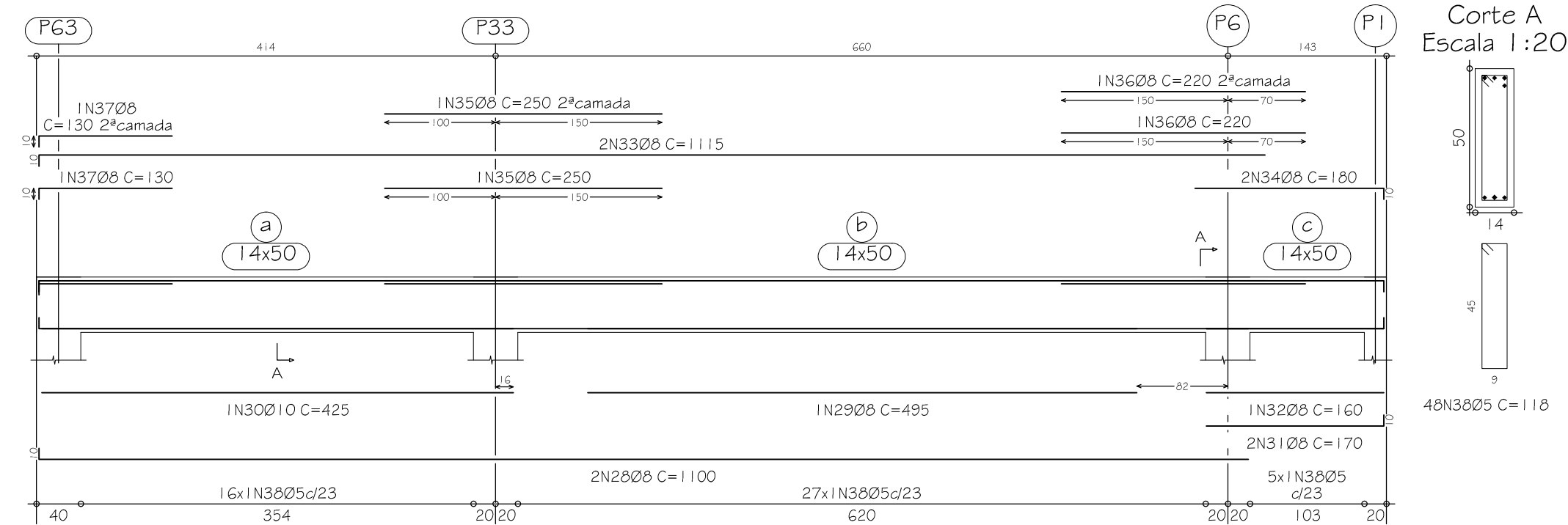
V 82  
Escala 1:50



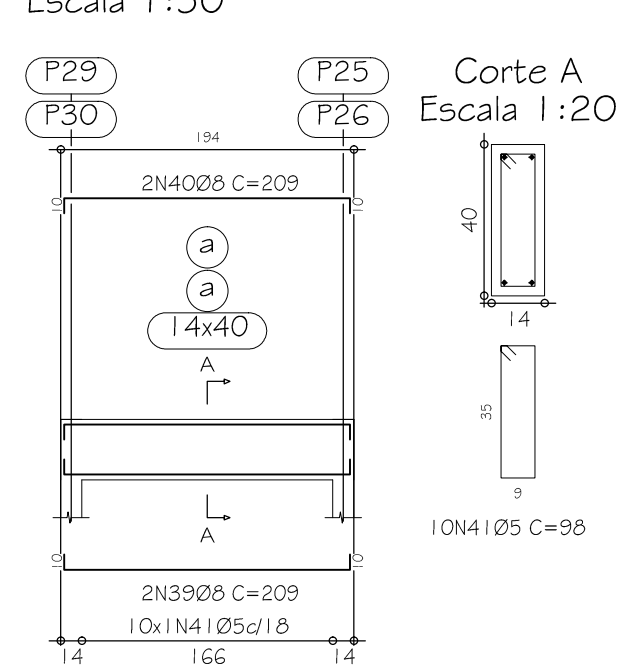
V 83  
Escala 1:50



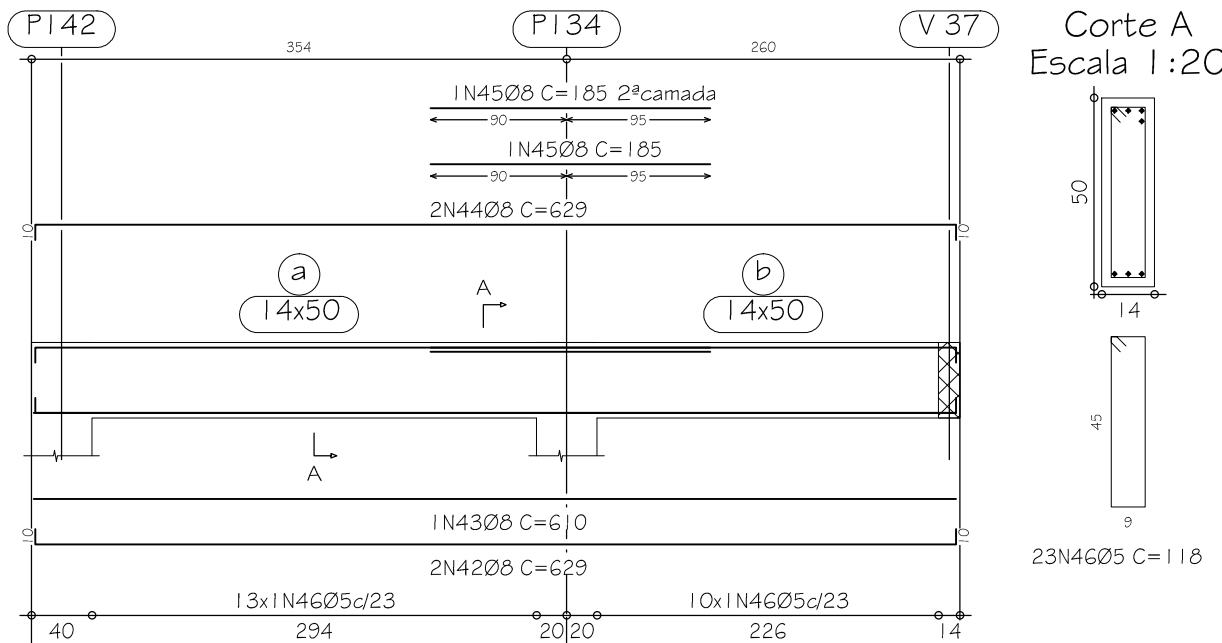
V 84  
Escala 1:50



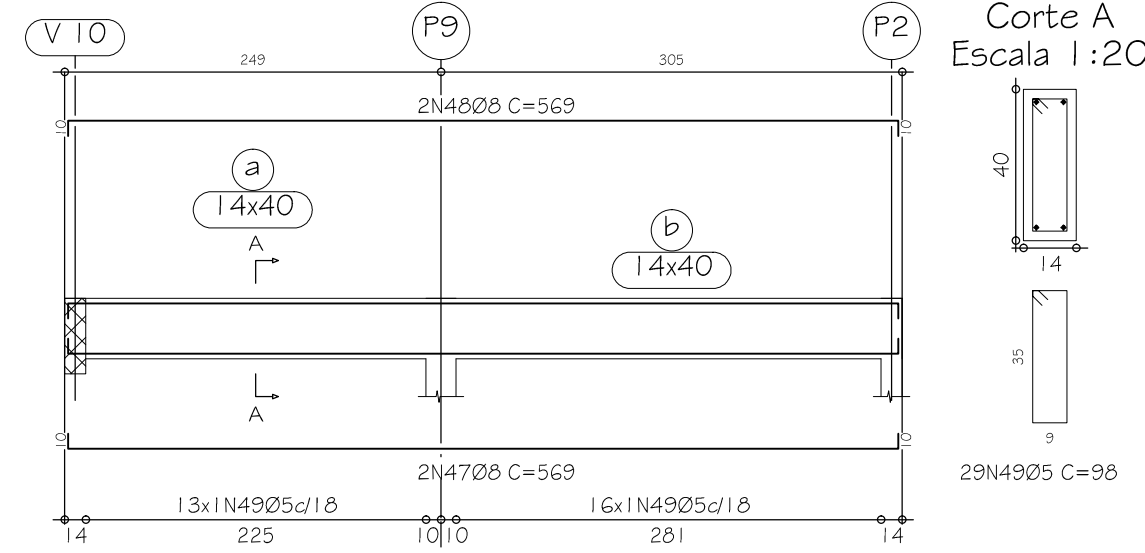
V 86  
V 92  
Escala 1:50



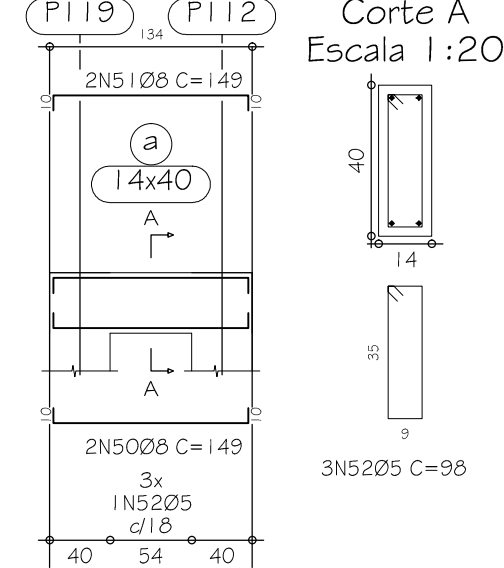
V 87  
Escala 1:50



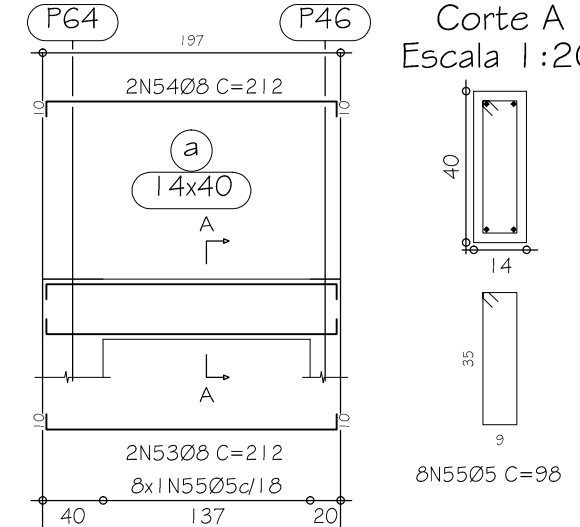
V 88  
Escala 1:50



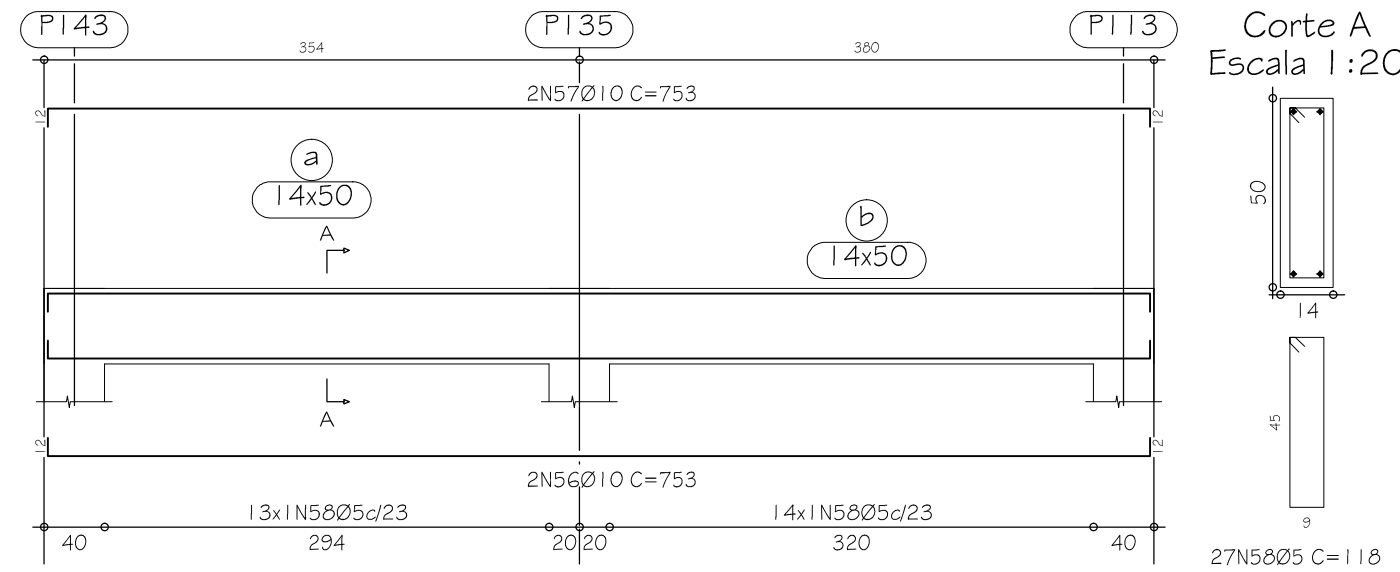
V 90  
Escala 1:50



V 91  
Escala 1:50



V 93  
Escala 1:50



Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 78	1	Ø10	2	573	1146	7.2	
	2	Ø12.5	1	547	547	5.4	
	3	Ø8	2	571	1142	4.5	
	4	Ø12.5	4	200	800	7.9	
	5	Ø10	2	135	270	1.7	
	6	Ø5	22	118	2596		4.1
Total+10%:						29.4	4.5
V 79	7	Ø10	2	574	1148	7.2	
	8	Ø8	2	285	570	2.2	
	9	Ø8	2	576	1152	4.5	
	10	Ø12.5	2	255	510	5.0	
	11	Ø12.5	1	195	195	1.9	
	12	Ø8	2	110	220	0.9	
	13	Ø8	1	100	100	0.4	
	14	Ø5	30	98	2940		4.6
Total+10%:						24.3	5.1
V 81	15	Ø10	2	753	1506	9.5	
	16	Ø10	2	753	1506	9.5	
	17	Ø5	28	118	3304		5.2
Total+10%:						20.9	5.7
V 82	18	Ø8	2	269	538	2.1	
	19	Ø8	2	269	538	2.1	
	20	Ø8	2	170	340	1.3	
	21	Ø5	14	98	1372		2.2
	Total+10%:					6.1	2.4
V 83	22	Ø10	2	405	810	5.1	
	23	Ø8	2	205	410	1.6	
	24	Ø8	2	569	1138	4.5	
	25	Ø8	2	310	620	2.4	
	26	Ø10	1	135	135	0.8	
	27	Ø5	24	118	2832		4.4
	Total+10%:					15.8	4.8
V 84	28	Ø8	2	1100	2200	8.6	
	29	Ø8	1	495	495	1.9	
	30	Ø10	1	425	425	2.7	
	31	Ø8	2	170	340	1.3	
	32	Ø8	1	160	160	0.6	
	33	Ø8	2	1115	2230	8.8	
	34	Ø8	2	180	360	1.4	
	35	Ø8	2	250	500	2.0	
	36	Ø8	2	220	440	1.7	
	37	Ø8	2	130	260	1.0	
	38	Ø5	48	118	5664		8.9
Total+10%:						33.0	9.8
V 86=V 92	39	Ø8	2	209	418	1.6	
	40	Ø8	2	209	418	1.6	
	41	Ø5	10	98	980		1.5
Total+10%:						3.5	1.7
V 87	42	Ø8	2	629	1258	4.9	
	43	Ø8	1	610	610	2.4	
	44	Ø8	2	629	1258	4.9	
	45	Ø8	2	185	370	1.5	
	46	Ø5	23	118	2714		4.3
Total+10%:						15.1	4.7
V 88	47	Ø8	2	569	1138	4.5	
	48	Ø8	2	569	1138	4.5	
	49	Ø5	29	98	2842		4.5
Total+10%:						9.9	5.0
V 90	50	Ø8	2	149	298	1.2	
	51	Ø8	2	149	298	1.2	
	52	Ø5	3	98	294		0.5
Total+10%:						2.6	0.6
V 91	53	Ø8	2	212	424	1.7	
	54	Ø8	2	212	424	1.7	
	55	Ø5	8	98	784		1.2
Total+10%:						3.7	1.3
V 93	56	Ø10	2	753	1506	9.5	
	57	Ø10	2	753	1506	9.5	
	58	Ø5	27	118	3186		5.0
Total+10%:						20.9	5.5
						Ø5:	0.0
						Ø6:	97.5
						Ø10:	69.0
						Ø12.5:	22.2
						Total:	188.7
							52.8

DETALHAMENTO VIGAS BALDRAME  
Escala 1:50

REVISÃO:	03		
REVISÃO:	02		
REVISÃO:	01		
EMIÇÃO INICIAL:	* 24/05/2013	1ª ENTREGA PARA A PREFEITURA	
<div><div><div><div><div>PREFEITURA MUNICIPAL DE JOINVILLE</div><div>END.: Av. Herman August Lepper, nº10, Centro</div><div>TEL.: (47)3431-3233 - Joinville - Santa Catarina</div><div>CNPJ: 83.169.623/0001-10</div></div></div></div><div><div>COORDENAÇÃO DE PROJETOS:</div><div><div><div>COORDENAÇÃO DE PROJETOS:</div><div>SOLAR ENGENHARIA</div><div>SOLAR CONSTRUÇÕES PROJETOS E CONSULTORIA LTDA.</div><div>CNPJ: 13.411.864/0001-48</div><div>TEL.: (31)3568-2814 BH/MG</div><div>eken@solarengenharia.eng.br</div></div></div></div></div>			
CEI CONJ. HAB. IRMÃ M. DA GRAÇA BRAZ			
PREFEITURA MUNICIPAL DE JOINVILLE CNPJ: 83.169.623/0001-10 CONTRATANTE		EDUARDO KEN MIZUTA CREA: 139067/D RESPONSÁVEL TÉCNICO	
ENDEREÇO: RUA PAPA JOÃO PAULO I, (232) - JARDIM IRIRI - JOINVILLE		ARQUIVO: 001-006-2013-EXE-EST-09	
DETALHES: DETALHAMENTO VIGAS BALDRAME PARTE 1		FOLHA: MAIO/2013 ESCALA: INDICADA	
		09 / 15	