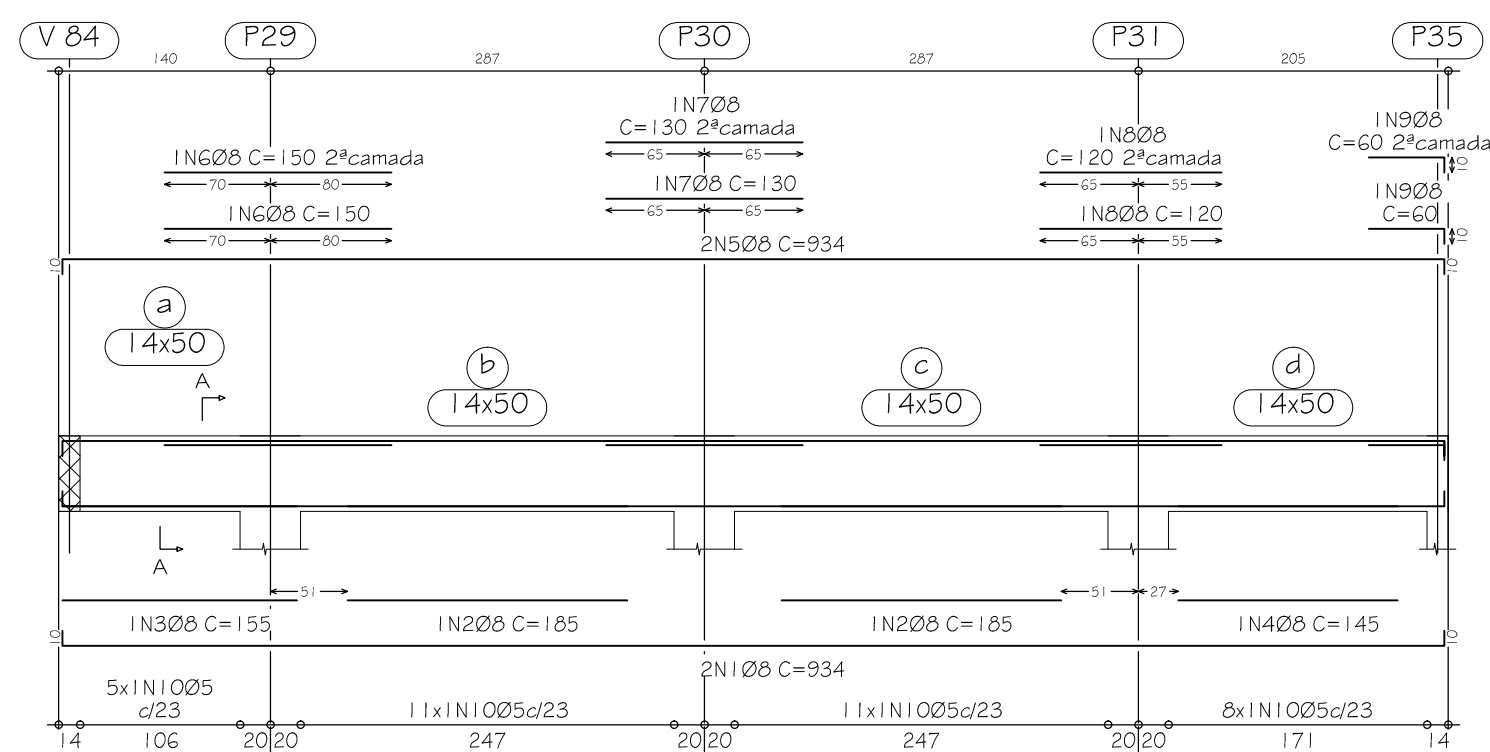
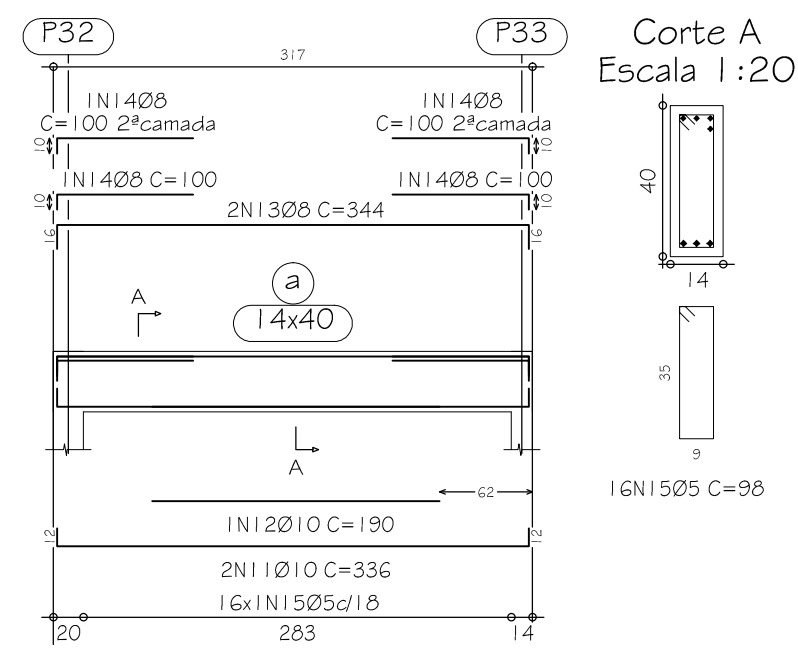


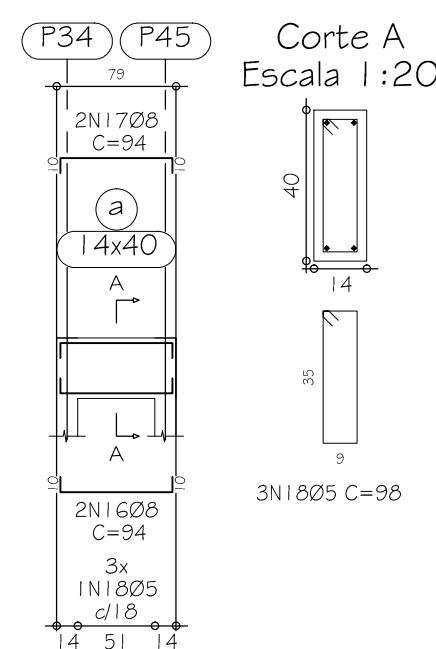
V 12  
Escala 1:50



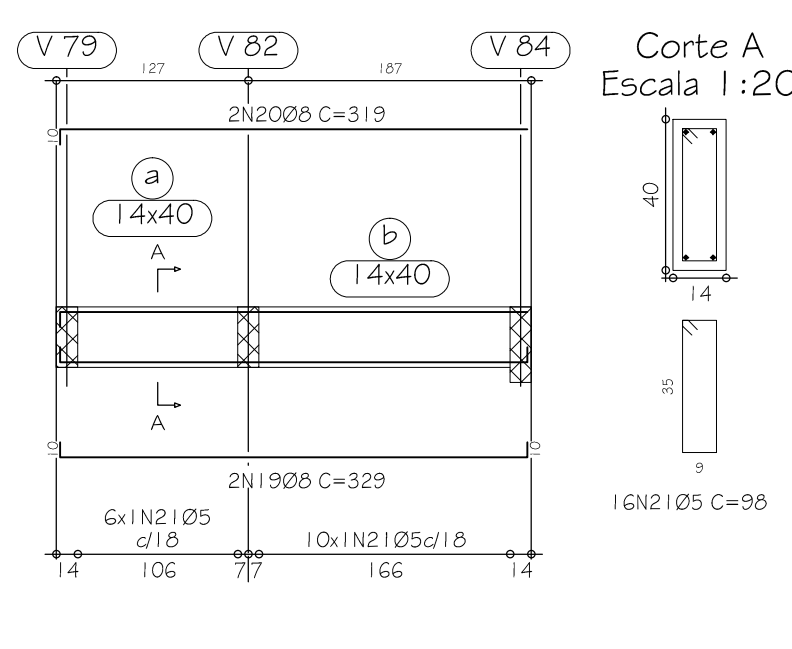
V 13  
Escala 1:50



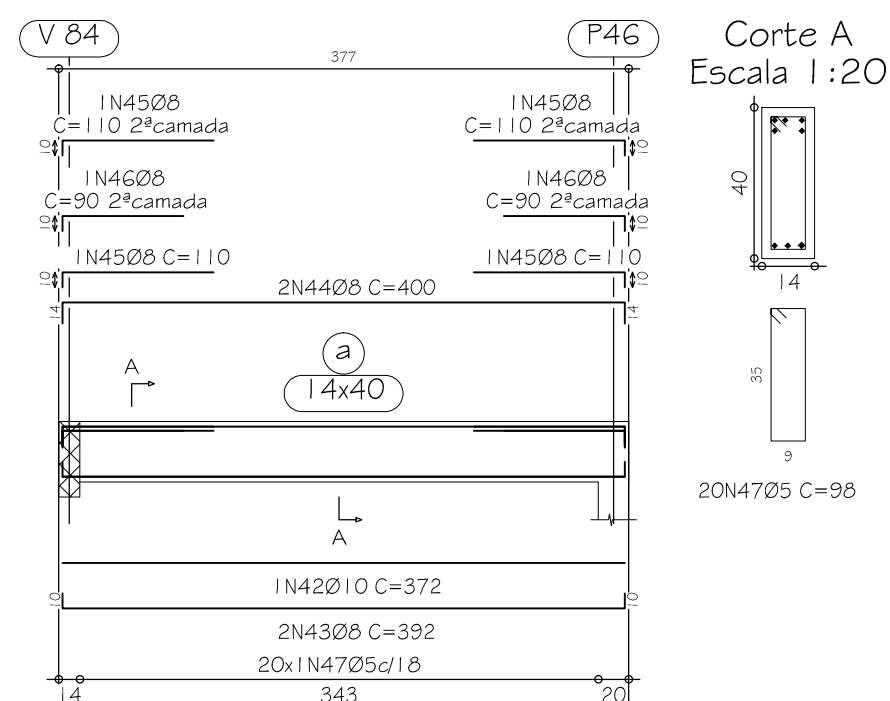
V 14  
Escala 1:50



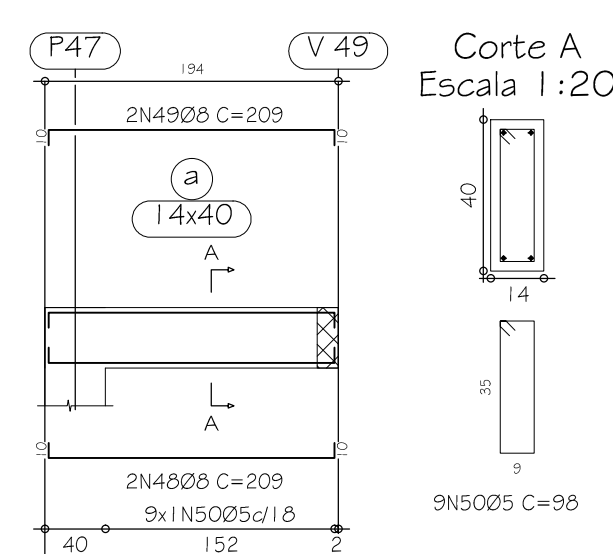
V 15  
Escala 1:50



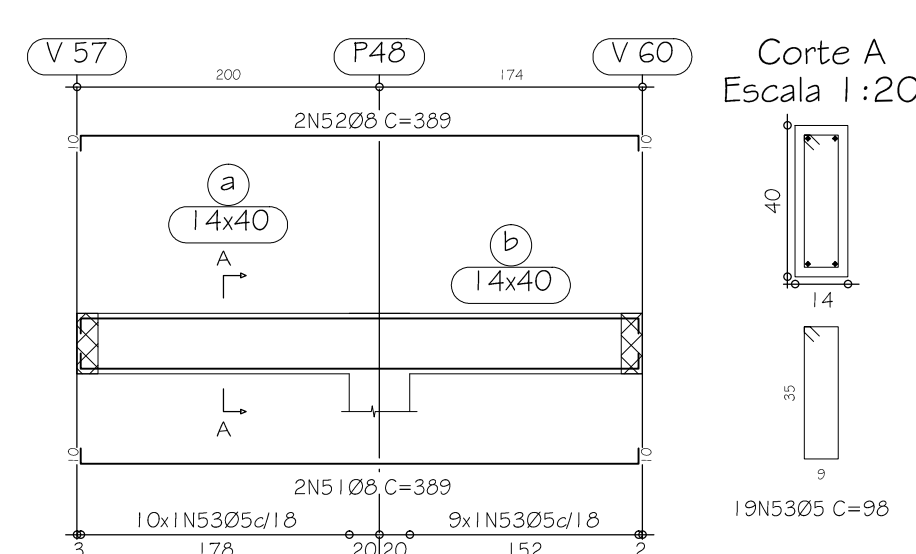
V 17  
Escala 1:50



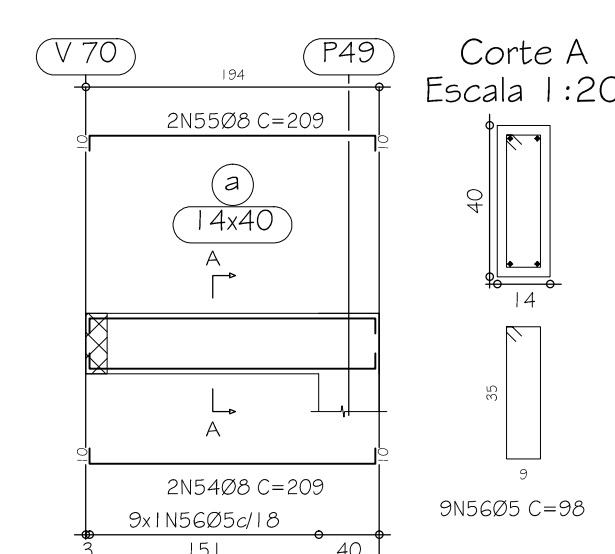
V 18  
Escala 1:50



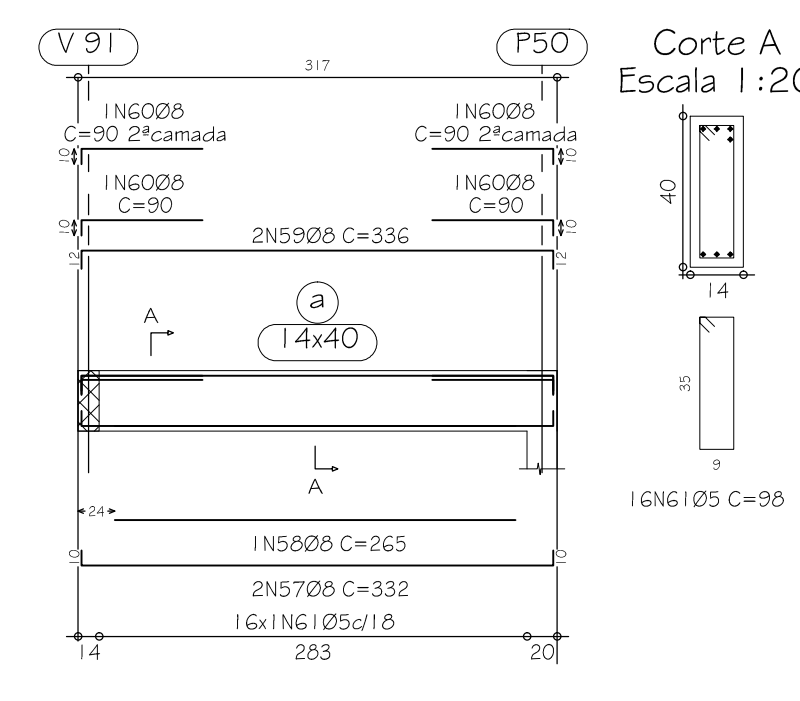
V 19  
Escala 1:50



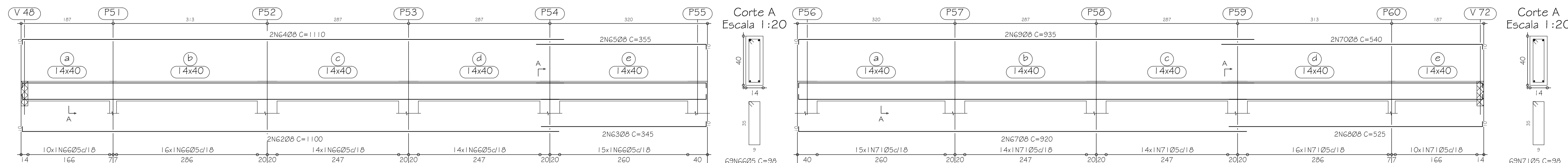
V 20  
Escala 1:50



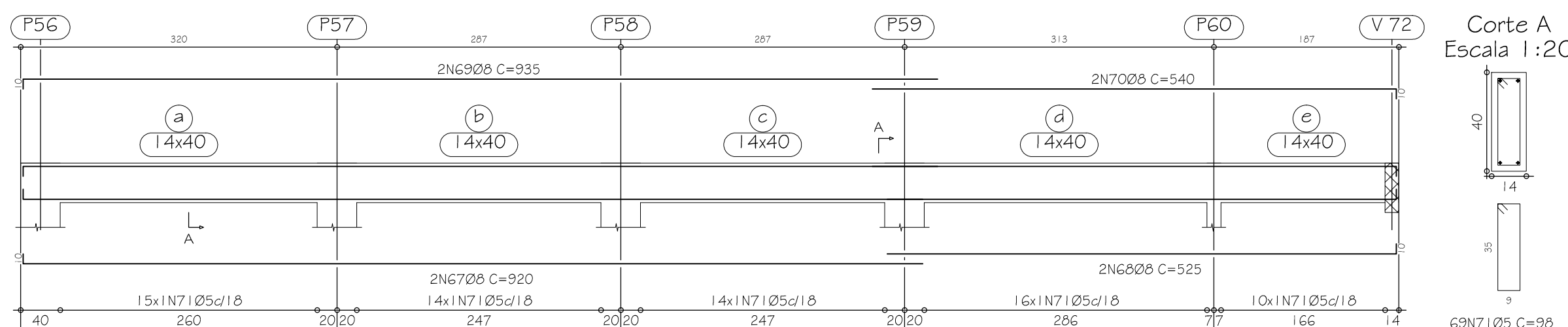
V 21  
Escala 1:50



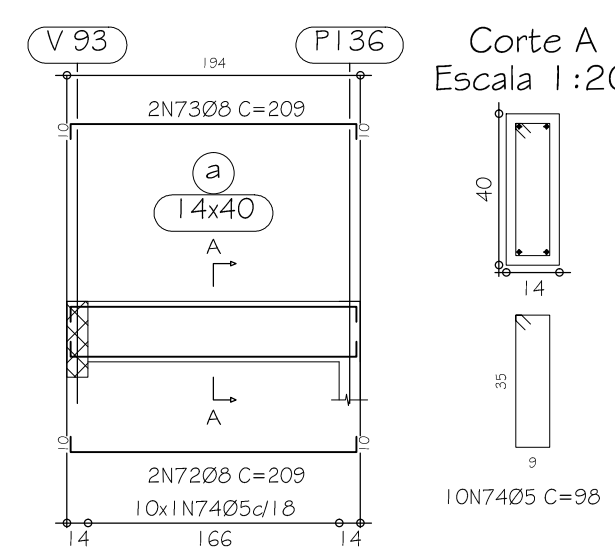
V 22  
Escala 1:50



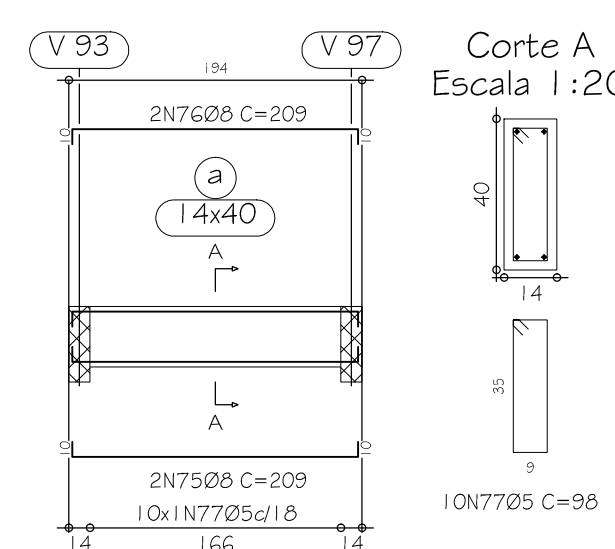
V 23  
Escala 1:50



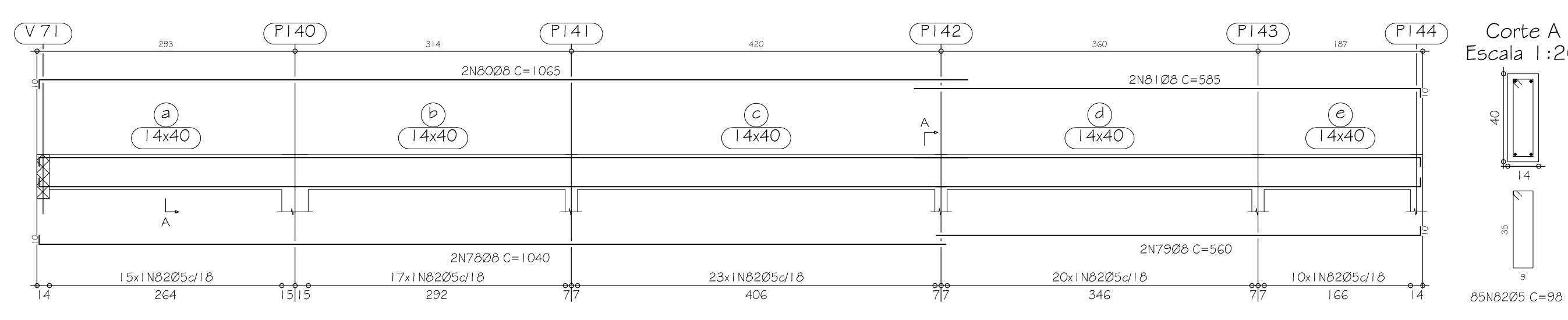
V 44  
Escala 1:50



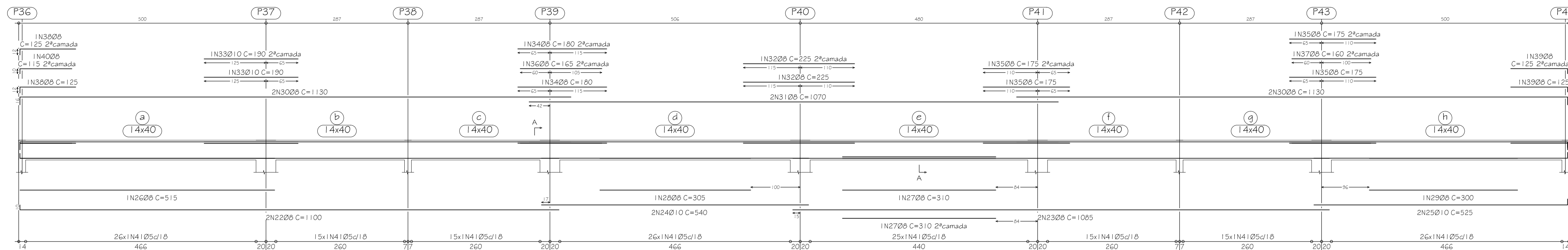
V 45  
Escala 1:50



V 46  
Escala 1:50



V 16  
Escala 1:50



Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 12	1	Ø6	2	934	1868	7.3	
	2	Ø6	2	185	370	1.5	
	3	Ø6	1	155	155	0.6	
	4	Ø6	1	145	145	0.6	
	5	Ø6	2	934	1868	7.3	
	6	Ø6	2	150	300	1.2	
	7	Ø6	2	130	260	1.0	
	8	Ø6	2	120	240	0.9	
	9	Ø6	2	60	120	0.5	
	10	Ø5	35	118	4130		6.5
Total+10%					23.0	7.2	
V 13	11	Ø10	2	336	672	4.2	
	12	Ø10	1	190	190	1.2	
	13	Ø6	2	344	688	2.7	
	14	Ø6	4	100	400	1.6	
	15	Ø5	16	98	1568		2.5
Total+10%					10.7	2.8	
V 14	16	Ø6	2	94	188	0.7	
	17	Ø6	2	94	188	0.7	
	18	Ø5	3	98	294		0.5
Total+10%					1.5	0.6	
V 15	19	Ø6	2	329	658	2.6	
	20	Ø6	2	319	638	2.5	
	21	Ø5	16	98	1568		2.5
Total+10%					5.6	2.8	
V 16	22	Ø6	2	1100	2200	8.6	
	23	Ø6	2	1085	2170	8.5	
	24	Ø10	2	540	1080	6.8	
	25	Ø10	2	925	1850	6.6	
	26	Ø6	1	515	515	2.0	
	27	Ø6	2	310	620	2.4	
	28	Ø6	1	305	305	1.2	
	29	Ø6	1	300	300	1.2	
	30	Ø6	4	1130	4520	17.7	
	31	Ø6	2	1070	2140	8.4	
	32	Ø6	2	225	450	1.8	
	33	Ø10	2	190	380	2.4	
	34	Ø6	2	180	360	1.4	
	35	Ø6	4	175	700	2.7	
	36	Ø6	1	165	165	0.6	
	37	Ø6	1	160	160	0.6	
	38	Ø6	2	125	250	1.0	
	39	Ø6	2	125	250	1.0	
	40	Ø6	1	115	115	0.5	
	41	Ø5	163	98	15974		25.1
Total+10%					82.9	27.6	
V 17	42	Ø10	1	372	372	2.3	
	43	Ø6	2	392	784	3.1	
	44	Ø6	2	400	800	3.1	
	45	Ø6	4	110	440	1.7	
	46	Ø6	2	90	180	0.7	
Total+10%					12.0	3.4	
V 18	48	Ø6	2	209	418	1.6	
	49	Ø6	2	209	418	1.6	
	50	Ø5	9	98	882		1.4
Total+10%					3.5	1.5	
V 19	51	Ø6	2	389	778	3.1	
	52	Ø6	2	389	778	3.1	
	53	Ø5	19	98	1862		2.9
Total+10%					6.8	3.2	
V 20	54	Ø6	2	209	418	1.6	
	55	Ø6	2	209	418	1.6	
	56	Ø5	9	98	882		1.4
Total+10%					3.5	1.5	
V 21	57	Ø6	2	332	664	2.6	
	58	Ø6	1	265	265	1.0	
	59	Ø6	2	336	672	2.6	
	60	Ø6	4	90	360	1.4	
	61	Ø5	16	98	1568		2.5
	Total+10%					8.4	2.8
V 22	62	Ø6	2	1100	2200	8.6	
	63	Ø6	2	345	690	2.7	
	64	Ø6	2	1110	2220	8.7	
	65	Ø6	2	355	710	2.8	
	66	Ø5	69	98	6762		10.6
	Total+10%					25.1	11.7
V 23	67	Ø6	2	920	1840	7.2	
	68	Ø6	2	925	1850	4.1	
	69	Ø6	2	935	1870	7.3	
	70	Ø6	2	540	1080	4.2	
	71	Ø5	69	98	6762		10.6
	Total+10%					25.1	11.7
	Total+10%					25.1	11.7
V 44	72	Ø6	2	209	418	1.6	
	73	Ø6	2	209	418	1.6	
	74	Ø5	10	98	980		1.5
	Total+10%					3.5	1.7
V 45	75	Ø6	2	209	418	1.6	
	76	Ø6	2	209	418	1.6	
	77	Ø5	10	98	980		1.5
Total+10%					3.5	1.7	
V 46	78	Ø6	2	1040	2080	8.2	
	79	Ø6	2	560	1120	4.4	
	80	Ø6	2	1065	2130	8.4	
	81	Ø6	2	585	1170	4.6	
	82	Ø5	85	98	8330		13.1
	Total+10%					28.2	14.4
				Ø5:	0.0	94.6	
				Ø6:	217.6	0.0	
				Ø10:	25.7	0.0	
				Total:	243.3	94.6	

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>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>CEI LOT. NOVA VILA</div>		<div><div>COORDENAÇÃO DE PROJETOS:</div><div>SOLAR</div><div>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@solarengharia.eng.br</div></div>	
<div><div>PREFEITURA MUNICIPAL DE JOINVILLE</div><div>CNPJ: 83.169.623/0001-10</div><div>CONTRATANTE</div></div>		<div><div>EDUARDO KEN MIZUTA</div><div>CREA: 139067/D</div><div>RESPONSÁVEL TÉCNICO</div></div>	
<div>ENDEREÇO:</div> <div>RUA ROLANDO GURSKIE, (449) - VILA NOVA - CEP 89237 - JOINVILLE</div>		<div>ÁREA DO TERRENO:</div> <div>5.049,00 m²</div> <div>ÁREA CONSTRUIDA:</div> <div>ÁREA PERMEÁVEL:</div>	
<div>DETALHES:</div> <div>DETALHAMENTO VIGAS BALDRAME</div> <div>PART 1</div>		<div>ARQUIVO:</div> <div>001-003-2013-EXE-EST-05</div> <div>DATA:</div> <div>MAIO/2013</div> <div>FOLHA:</div> <div>05 / 15</div>	
		<div>PROJETO:</div> <div>ESTRUTURAL</div> <div>DESENHISTA:</div> <div>ISABELLA TEOTONIO DIAS</div>	