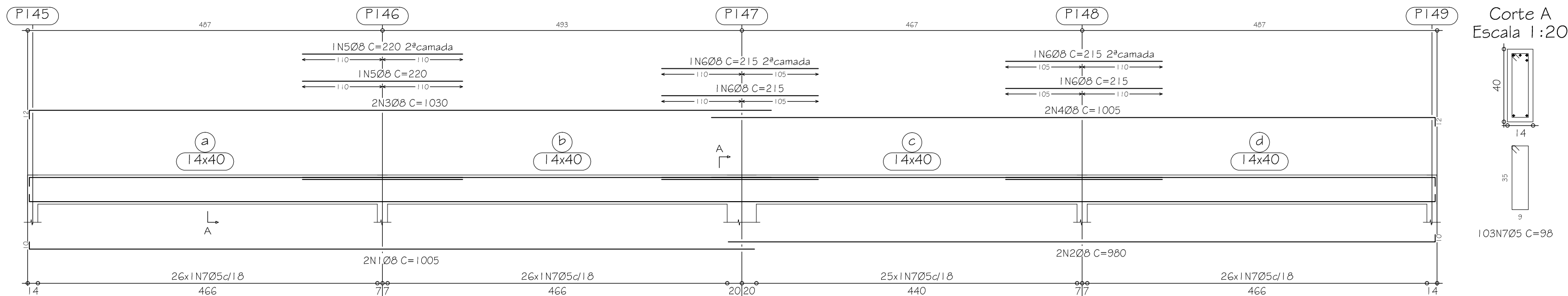
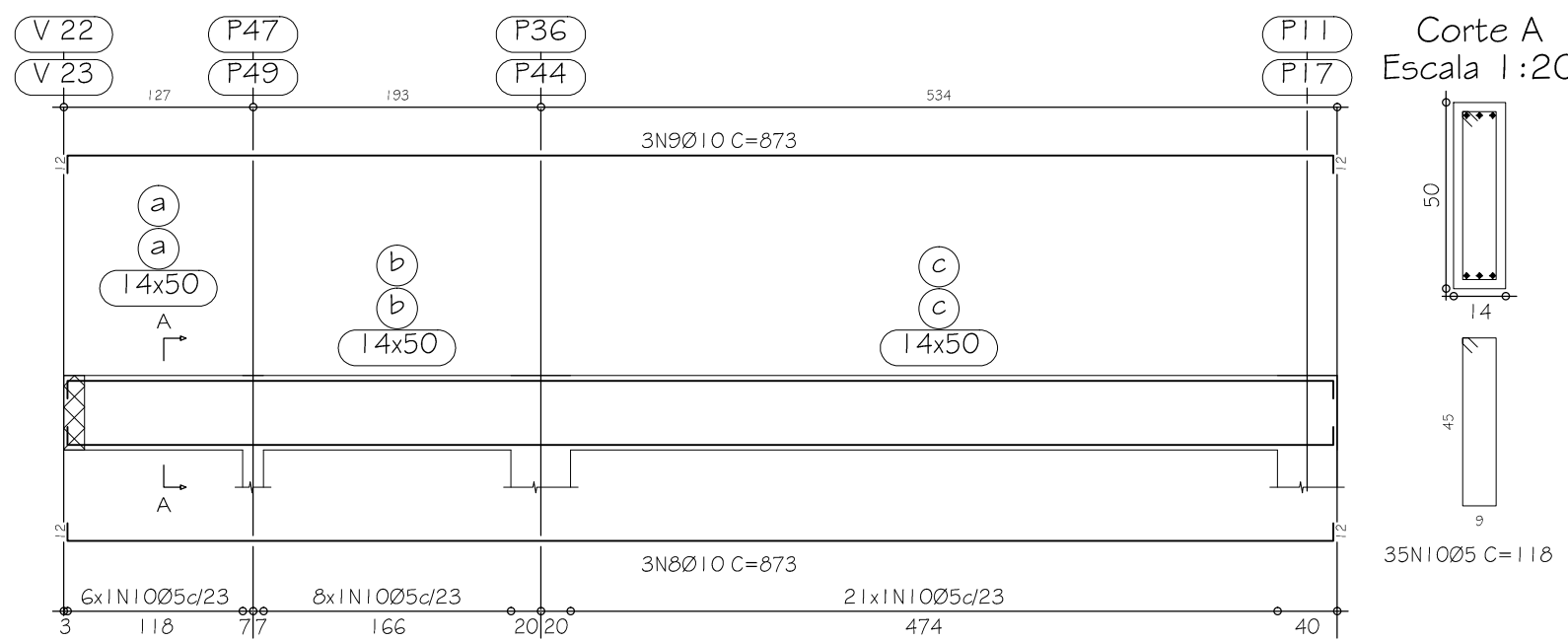


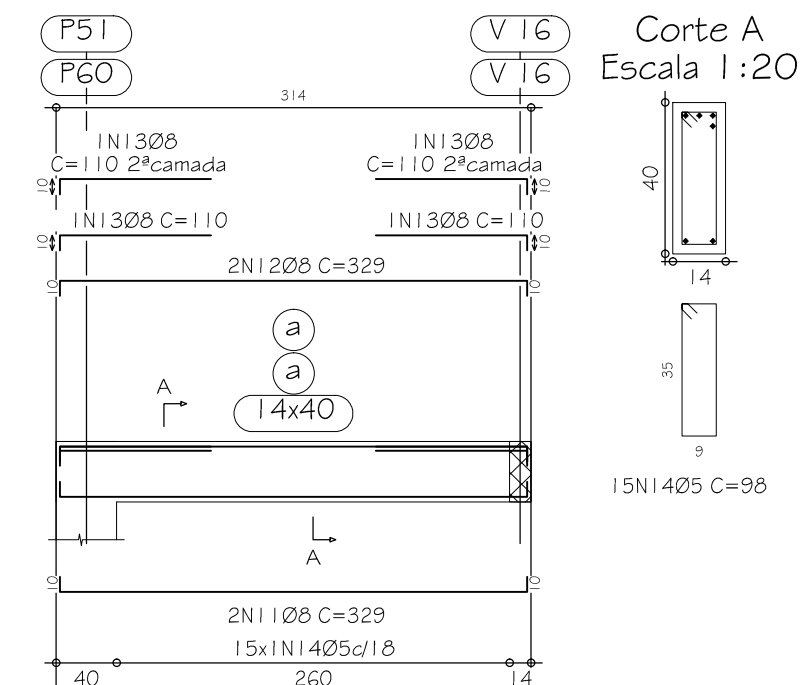
V 47
Escala 1:50



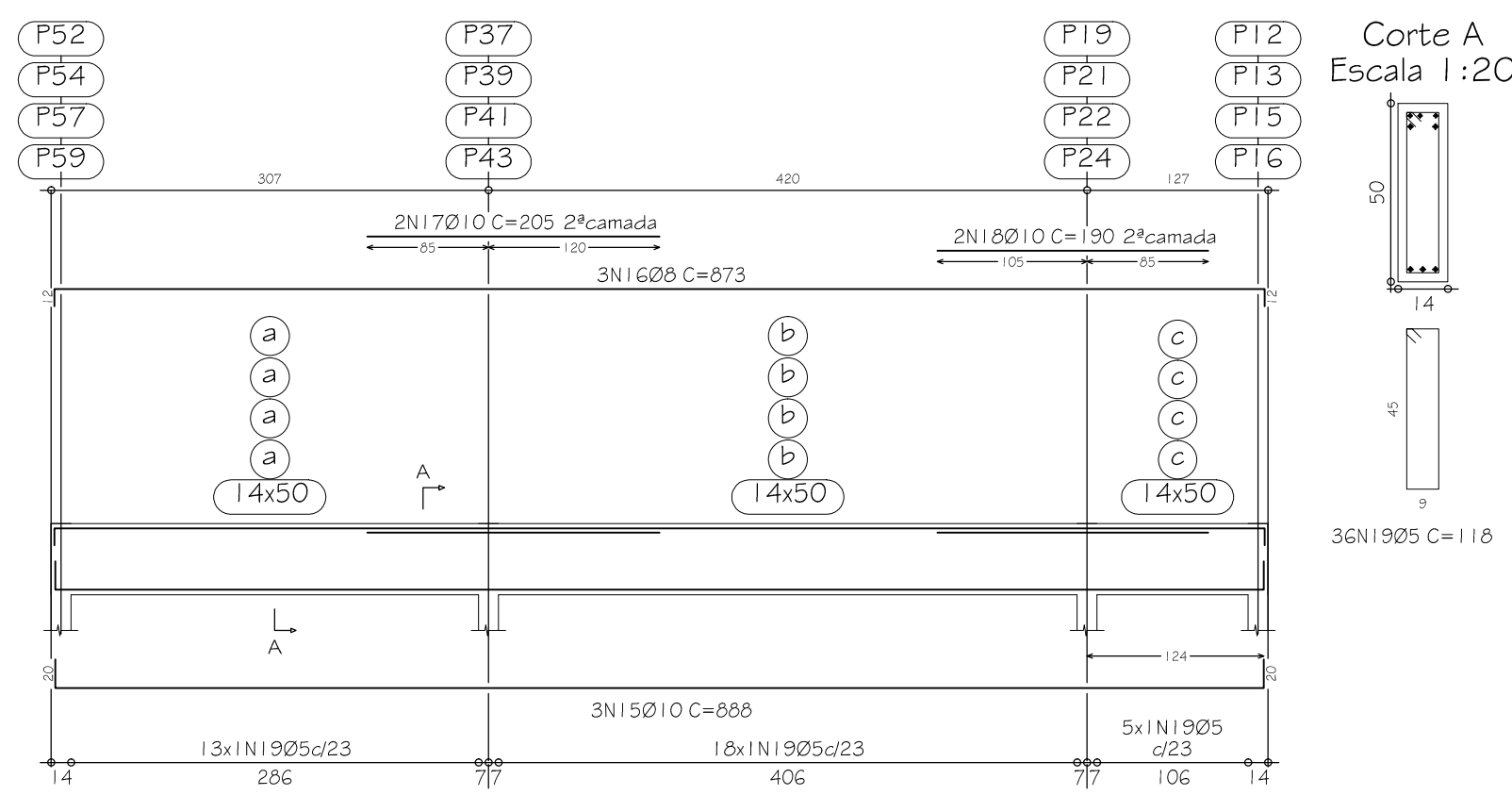
V 48
V 72
Escala 1:50



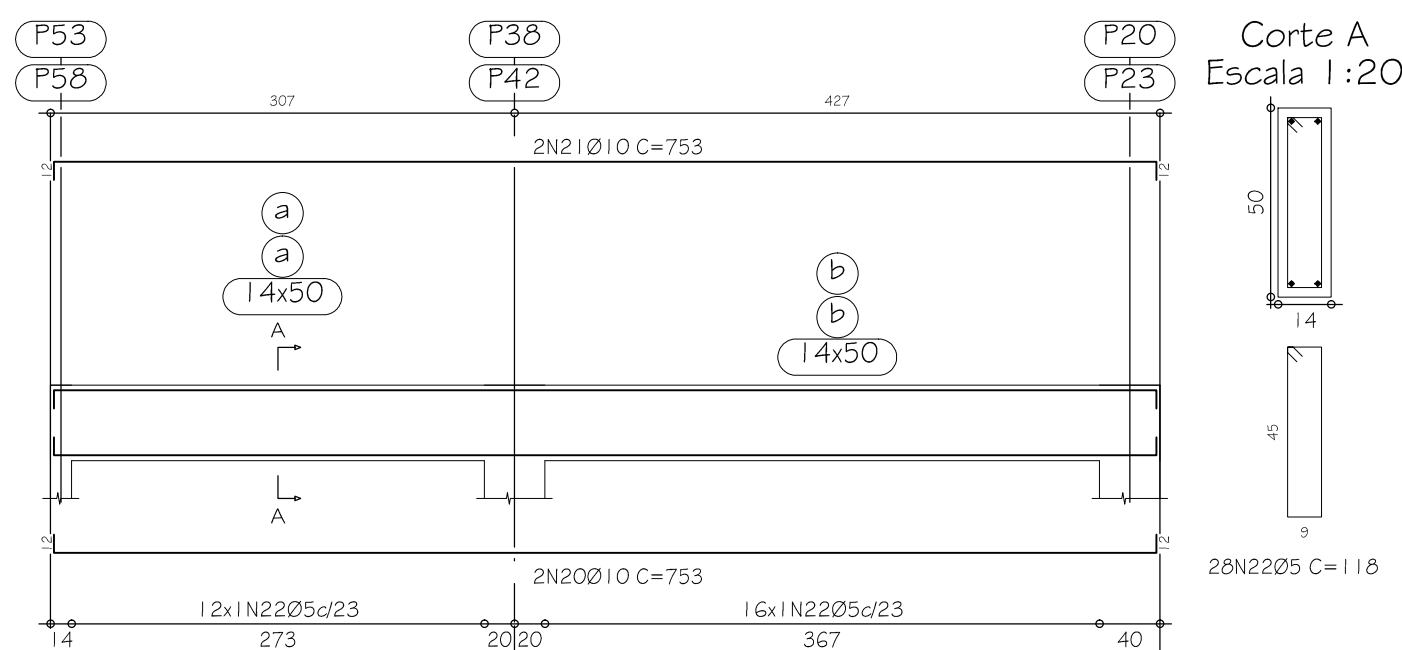
V 49
V 70
Escala 1:50



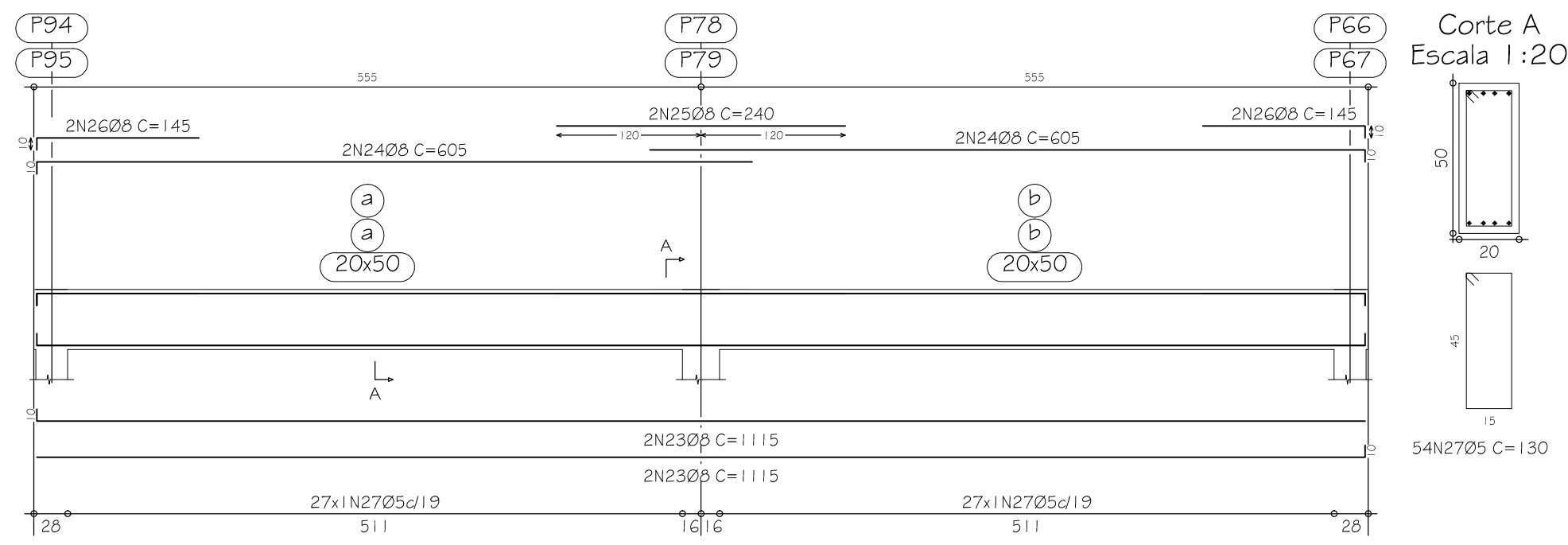
V 50
V 53
V 62
V 67
Escala 1:50



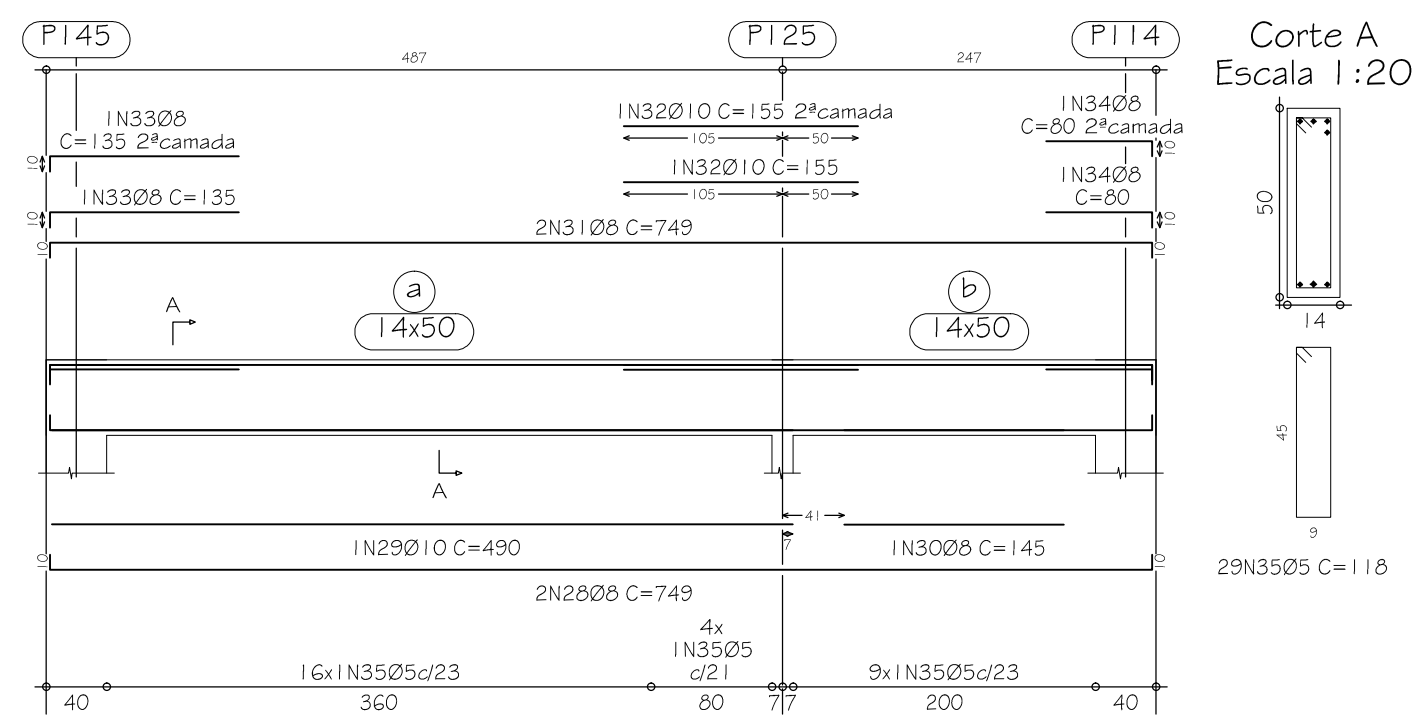
V 51
V 65
Escala 1:50



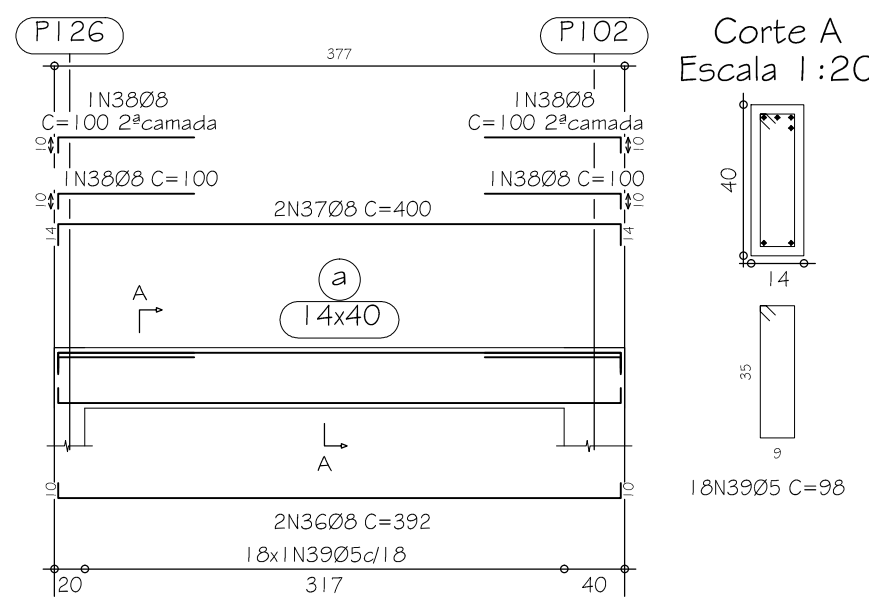
V 52
V 55
Escala 1:50



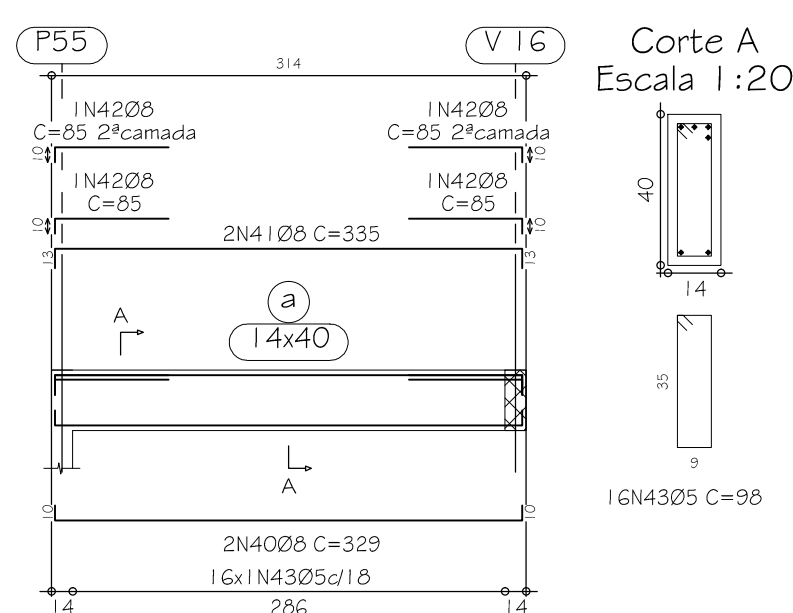
V 54
Escala 1:50



V 56
Escala 1:50



V 57
Escala 1:50



Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 47	1	Ø8	2	1005	2010	7.9	
	2	Ø8	2	990	1980	7.7	
	3	Ø8	2	1030	2060	8.1	
	4	Ø8	2	1005	2010	7.9	
	5	Ø8	2	220	440	1.7	
	6	Ø8	4	215	860	3.4	
	7	Ø5	103	98	10094		15.8
Total+10%:						40.4	17.4
V 48=V 72	8	Ø10	3	873	2619	16.4	
	9	Ø10	3	873	2619	16.4	
	10	Ø5	35	118	4130		6.5
	Total+10%:					36.1	7.2
V 49=V 70	11	Ø8	2	329	658	2.6	
	12	Ø8	2	329	658	2.6	
	13	Ø8	4	110	440	1.7	
	14	Ø5	15	98	1470		2.3
Total+10%:						7.6	2.5
V 50=V 53=V 62 V 67	15	Ø10	3	888	2664	16.7	
	16	Ø8	3	873	2619	10.3	
	17	Ø10	2	205	410	2.6	
	18	Ø10	2	190	380	2.4	
	19	Ø5	36	118	4248		6.7
	Total+10%:					35.2	7.4
V 51=V 65	20	Ø10	2	753	1506	9.5	
	21	Ø10	2	753	1506	9.5	
	22	Ø5	28	118	3304		5.2
	Total+10%:					20.9	5.7
V 52=V 55	23	Ø8	4	1115	4460	17.5	
	24	Ø8	4	605	2420	9.5	
	25	Ø8	2	240	480	1.9	
	26	Ø8	4	145	580	2.3	
	27	Ø5	54	130	7020		11.0
	Total+10%:					34.3	12.1
	(x2):					68.6	24.2
V 54	28	Ø8	2	749	1498	5.9	
	29	Ø10	1	490	490	3.1	
	30	Ø8	1	145	145	0.6	
	31	Ø8	2	749	1498	5.9	
	32	Ø10	2	155	310	1.9	
	33	Ø8	2	135	270	1.1	
	34	Ø8	2	80	160	0.6	
	35	Ø5	29	118	3422		5.4
Total+10%:						21.0	5.9
V 56	36	Ø8	2	392	784	3.1	
	37	Ø8	2	400	800	3.1	
	38	Ø8	4	100	400	1.6	
	39	Ø5	18	98	1764		2.8
Total+10%:						6.6	3.1
V 57	40	Ø8	2	329	658	2.6	
	41	Ø8	2	335	670	2.6	
	42	Ø8	4	85	340	1.3	
	43	Ø5	16	98	1568		2.5
Total+10%:						7.2	2.8
Ø5:						0.0	113.8
Ø10:						215.1	0.0
Total:						415.8	113.8

DETALHAMENTO VIGAS BALDRAME
Escala 1:50

REVISÃO:	03		
REVISÃO:	02		
REVISÃO:	01		
EMISSÃO INICIAL:	*	24/05/2013	1ª ENTREGA PARA A PREFEITURA

 PREFEITURA MUNICIPAL DE JOINVILLE END.: Av. Herman August Lepper, nº10, Centro TEL.: (47)3431-3233 - Joinville - Santa Catarina CNPJ: 83.169.623/0001-10		COORDENAÇÃO DE PROJETOS:  SOLAR SOLAR CONSTRUÇÕES, PROJETOS E CONSULTORIA LTDA. CNPJ: 13.411.864/0001-48 TEL.: (31)3568-2814 BH/MG eken@solarengenharia.eng.br	
CEI CONJ. HAB. IRMÃ M. DA GRAÇA BRAZ		ÁREA DO TERRENO: 9.099,00 m²	
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 IRIRIÚ - JOINVILLE		ARQUIVO: 001-006-2013-EXE-EST-07	
DETALHAMENTO VIGAS BALDRAME PARTE 1		PROJETO: ESTRUTURAL DESENHISTA: ISABELLA TEOTONIO DIAS	DATA: MAIO/2013 FOLHA: 07 / 15