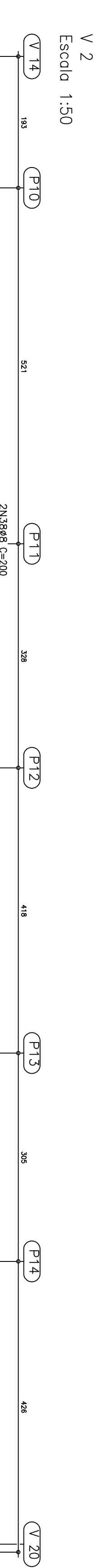
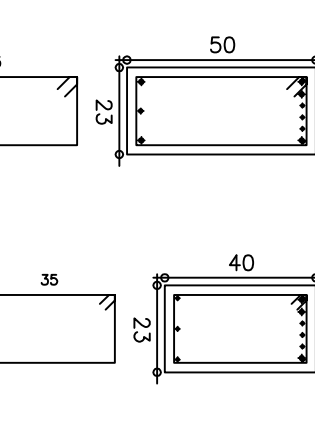
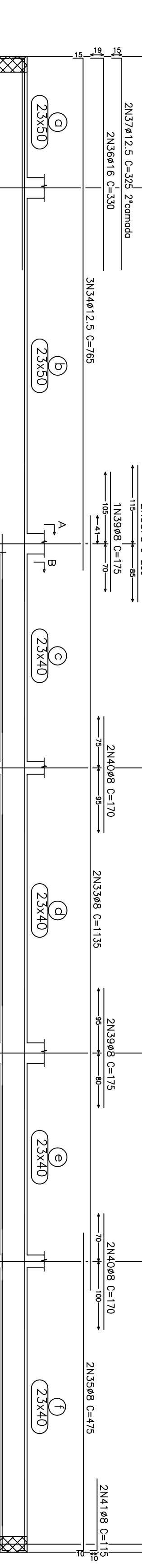


Elemento	Pos	Dim.	Q.	Comp.	Total	CA-50-A	CA-60-B
V 1	1	Ø8	2	1075	2150	8.4	
	2	Ø8	2	743	1486	5.8	
	3	Ø10	2	655	1310	8.2	
	4	Ø8	2	435	870	3.4	
	5	Ø10	1	375	375	2.4	
	6	Ø10	1	375	375	2.4	
	7	Ø8	2	280	560	2.2	
	8	Ø8	1	270	270	1.1	
	9	Ø8	1	250	250	1.0	
	10	Ø8	1	195	195	0.8	
	11	Ø8	2	1085	2170	8.5	
	12	Ø8	2	790	1580	6.2	
	13	Ø12.5	2	315	630	6.2	
	14	Ø12.5	2	315	630	6.2	
	15	Ø10	2	235	470	3.0	
	16	Ø10	2	235	470	3.0	
	17	Ø10	1	200	200	1.3	
	18	Ø8	2	175	350	1.4	
	19	Ø8	2	170	340	1.3	
	20	Ø8	2	165	330	1.3	
	21	Ø8	1	145	145	0.6	
	22	Ø8	1	145	145	0.6	
	23	Ø5	43	136	5848		9.2
	24	Ø5	129	116	14500		22.8
	Total+10%				84.5	35.2	

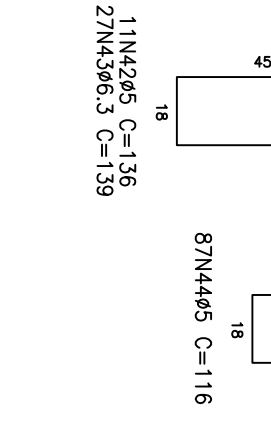
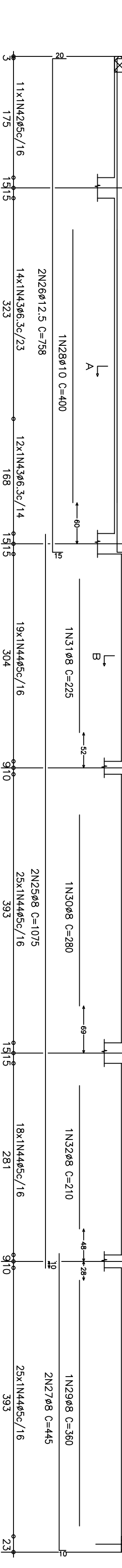
V 2							
25	Ø8	2	1075	2150	8.4		
26	Ø12.5	2	728	1516	14.9		
27	Ø10	2	400	400	2.5		
28	Ø10	1	400	400	2.5		
29	Ø8	1	360	360	1.4		
30	Ø8	1	280	280	1.1		
31	Ø8	1	225	225	0.9		
32	Ø8	1	225	225	0.9		
33	Ø8	2	1135	2270	8.9		
34	Ø12.5	3	765	2295	22.5		
35	Ø8	2	475	950	3.7		
36	Ø16	2	330	660	10.4		
37	Ø12.5	2	320	640	1.6		
38	Ø8	2	200	400	1.6		
39	Ø8	3	175	525	2.1		
40	Ø8	4	170	680	2.7		
41	Ø8	2	115	230	0.9		2.3
42	Ø8	1	145	145	0.6		
43	Ø6.3	28	139	3514	8.9		
44	Ø5	87	116	10092		15.8	
Total+10%				111.8	19.9		



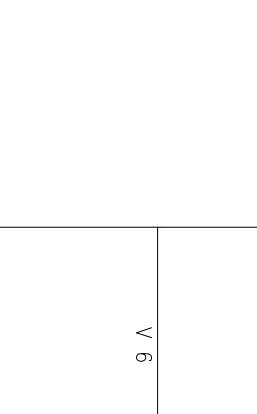
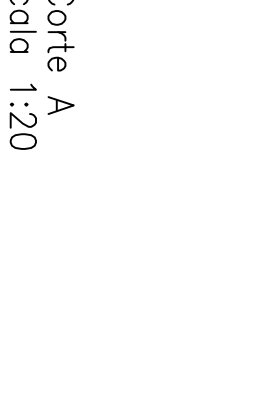
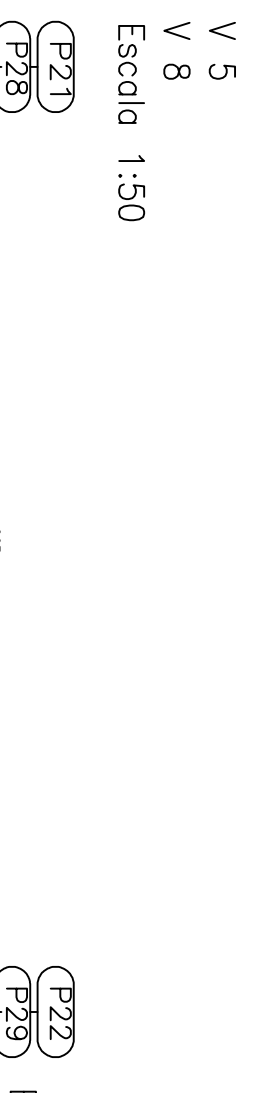
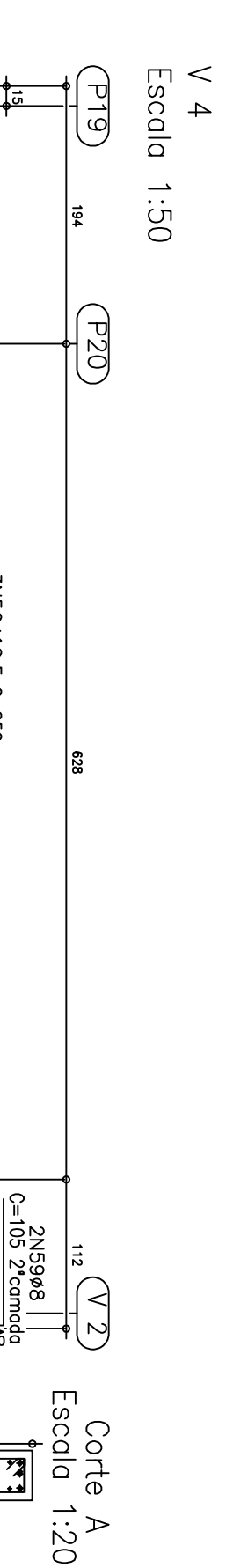
V 3=V 10=V 18							
45	Ø10	2	685	1330	8.4		
46	Ø10	1	375	375	2.4		
47	Ø8	2	669	1338	5.3		
48	Ø8	2	145	290	1.1		
49	Ø8	2	145	290	1.1		
50	Ø5	36	116	4408		6.9	
Total+10%				21.7	7.6		



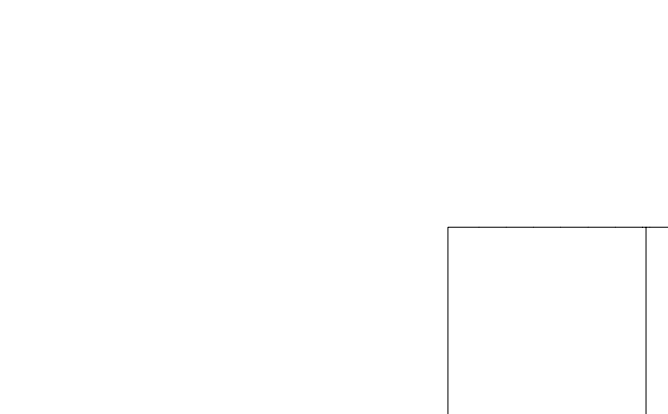
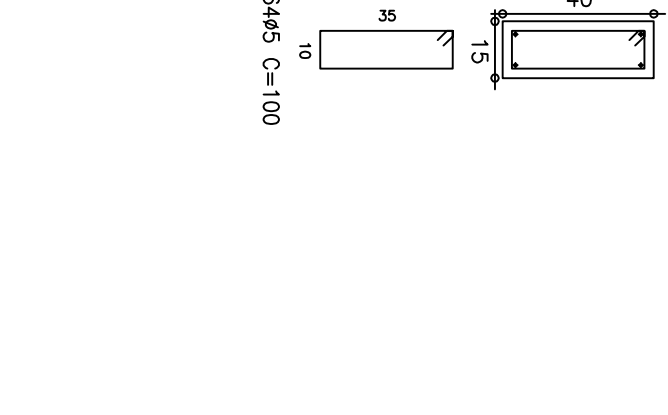
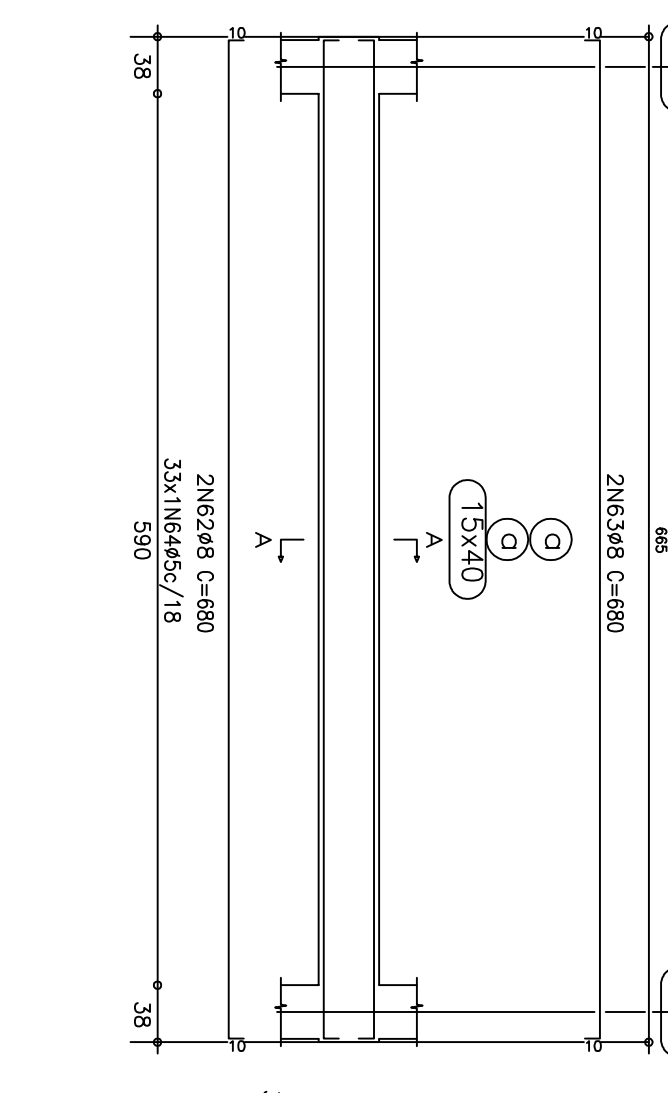
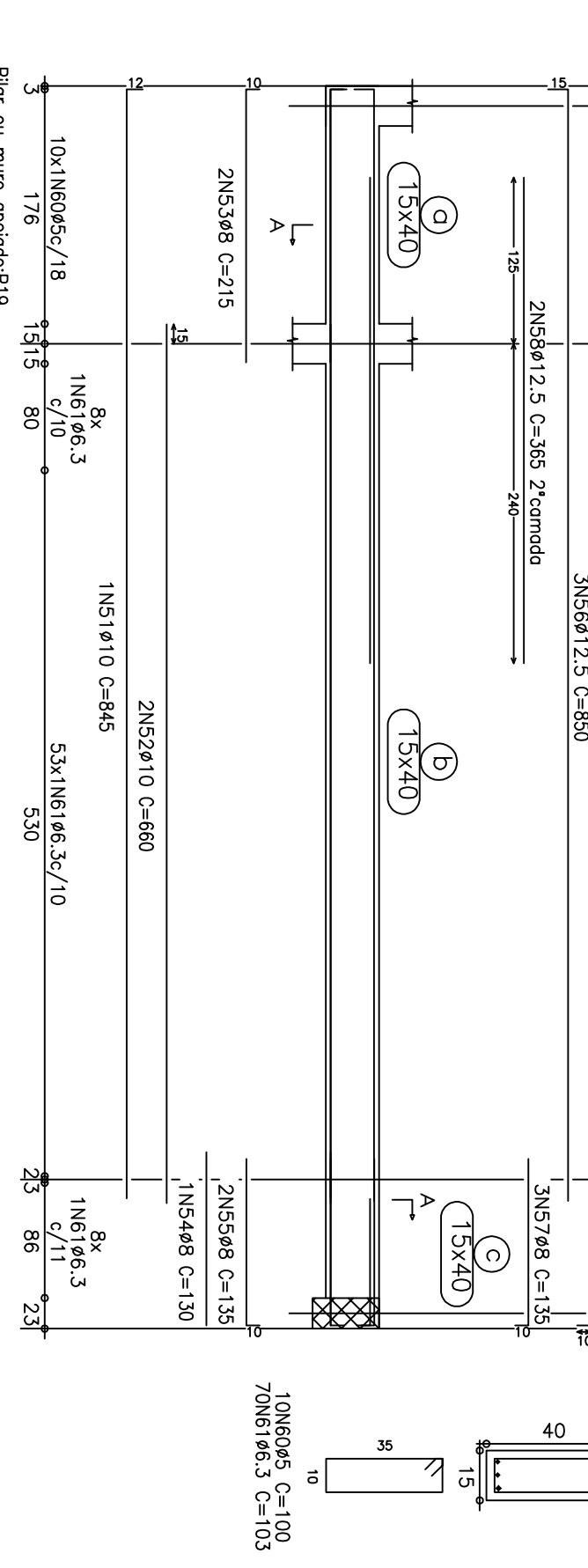
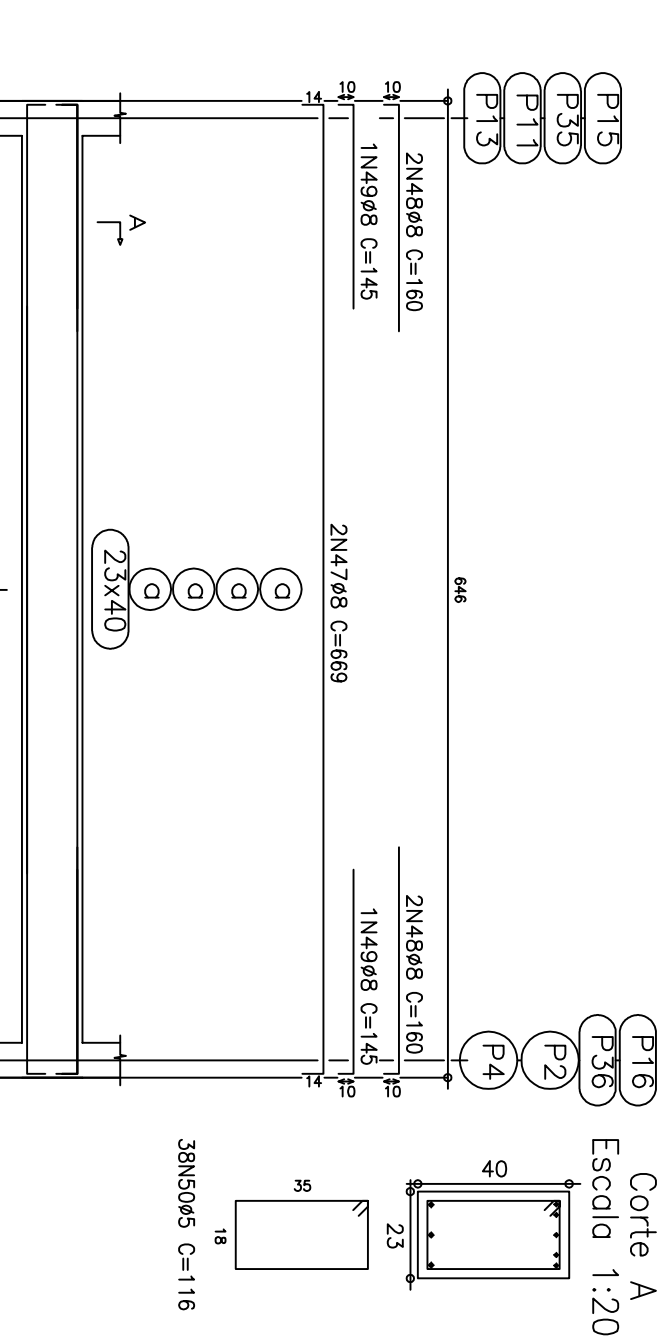
V 4							
51	Ø10	1	845	845	5.3		
52	Ø10	2	660	1320	8.3		
53	Ø8	2	130	130	0.7		
54	Ø8	2	135	270	1.1		
55	Ø8	2	850	2550	25.0		
56	Ø12.5	3	765	2295	22.5		
57	Ø8	2	135	405	1.6		
58	Ø5	2	105	210	0.8		
59	Ø8	2	105	210	0.8		
60	Ø5	10	100	1000		1.6	
61	Ø6.3	69	103	7107	17.6		
Total+10%				76.0	11.8		



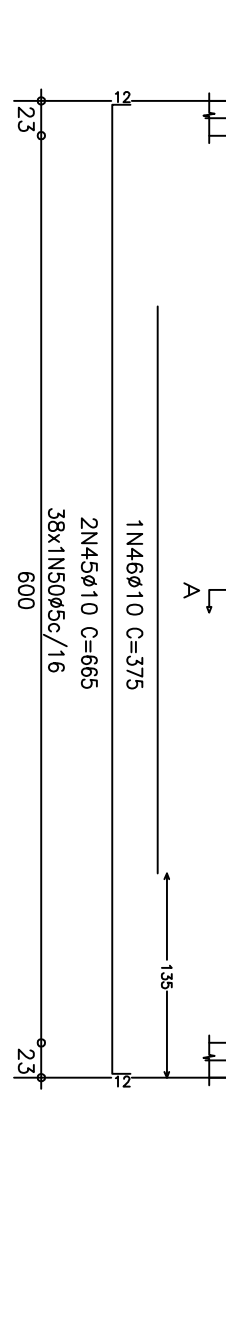
V 5=V 8							
62	Ø8	2	680	1360	5.3		
63	Ø8	2	680	1360	5.3		
64	Ø5	33	100	3300		5.2	
Total+10%				11.7	5.7		



V 6							
65	Ø8	2	945	1890	7.4		
66	Ø8	1	545	545	2.1		
67	Ø8	2	945	1890	7.4		
68	Ø8	4	225	900	3.5		
69	Ø5	49	100	4900		7.7	
Total+10%				22.4	8.5		

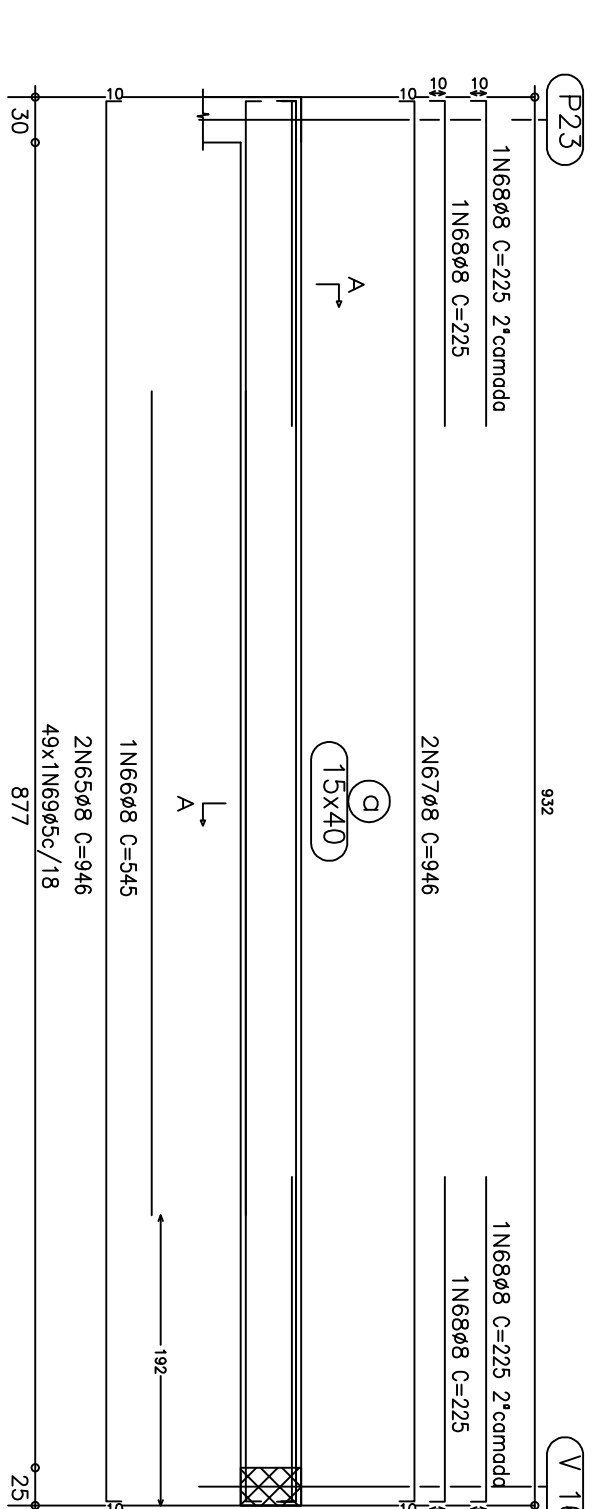


V 6							
70	Ø8	2	945	1890	7.4		
71	Ø8	1	545	545	2.1		
72	Ø8	2	945	1890	7.4		
73	Ø8	4	225	900	3.5		
74	Ø5	49	100	4900		7.7	
Total+10%				22.4	8.5		



V 6							
75	Ø8	2	945	1890	7.4		
76	Ø8	1	545	545	2.1		
77	Ø8	2	945	1890	7.4		
78	Ø8	4	225	900	3.5		
79	Ø5	49	100	4900		7.7	
Total+10%				22.4	8.5		

V 6
Escola 1:50



REVISÃO:		03	00/00/0000	DESCRIÇÃO
REVISÃO:		02	00/00/0000	DESCRIÇÃO
REVISÃO:		01	30/08/2013	REVISÃO DO CARIMBO
EMISSÃO INICIAL:		01	MARÇO/2013	EMISSÃO INICIAL
PREFEITURA MUNICIPAL DE JOINVILLE				
CNPJ: 83169623/0001-10				
END: Av. Hernan August Lepper, nº 10, Centro.				
Joinville/ SC				
TEL: (47) 3431-3233				
E.M. PROFESSOR BERNARDO TANK				
PREFEITURA MUNICIPAL DE JOINVILLE				
CNPJ: 83169623/0001-10				
END: Av. Hernan August Lepper, nº 10, Centro.				
Joinville/ SC				
TEL: (47) 3431-3233				
EDUARDO KEN WIZUTA				
CREA 139.067/D				
RESPONSÁVEL TÉCNICO				
ÁREA DO TERRENO:				
4.881,75 m²				
ÁREA CONSTRUIDA:				
1.922,80 m²				
ÁREA PERÍMETRO:				
0.000,00 m²				
ENDEREÇO:				
RUA QUINZE DE NOVENEMBRO, Nº 8.574, BARRIO VILA NOVA – JOINVILLE/SC				
PROJETO:				
ESTRUTURAL				
DESENHISTA:				
ISABELLA TEODORO				
INDICAÇÃO				
FORMATO A1-841X594				