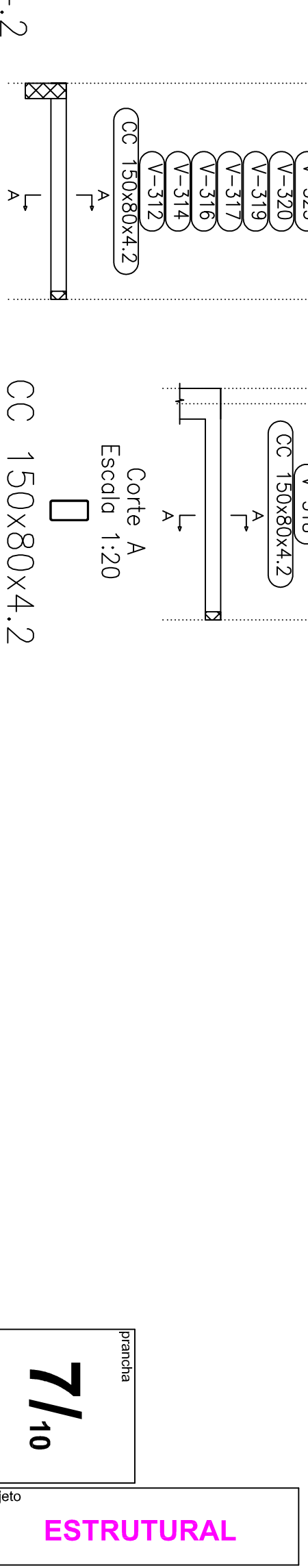
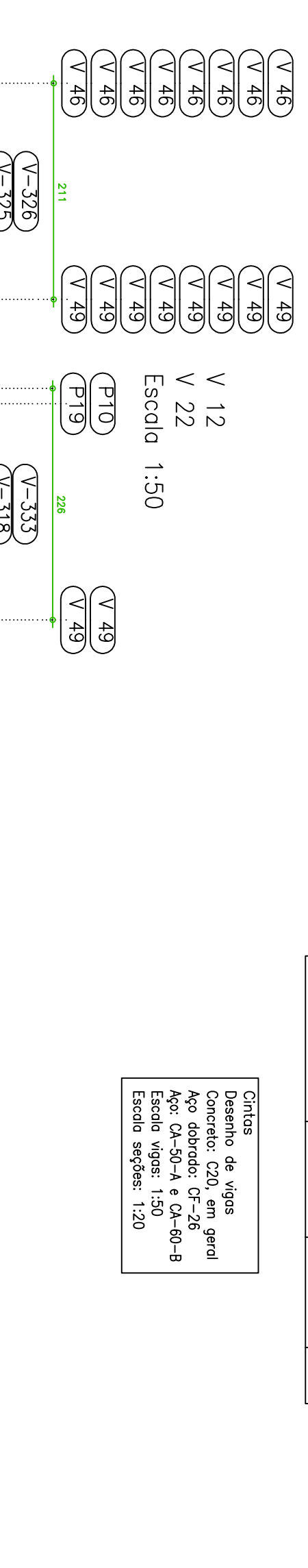
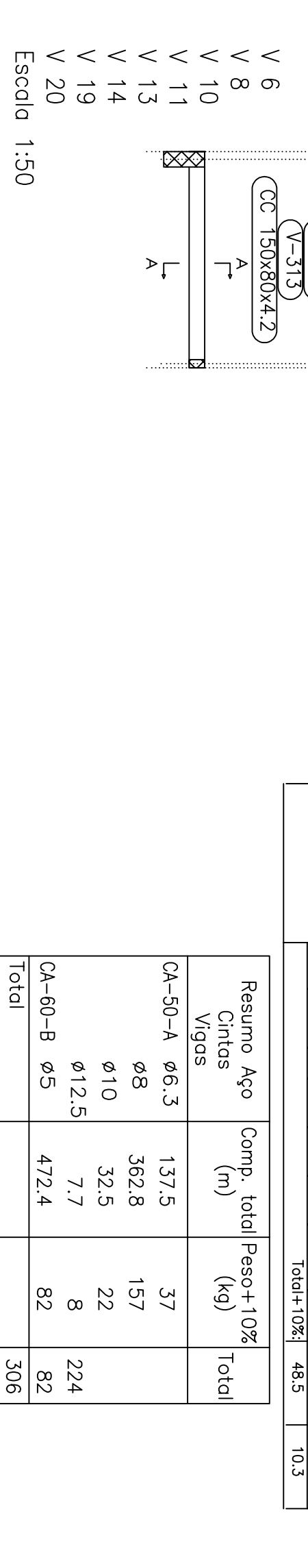
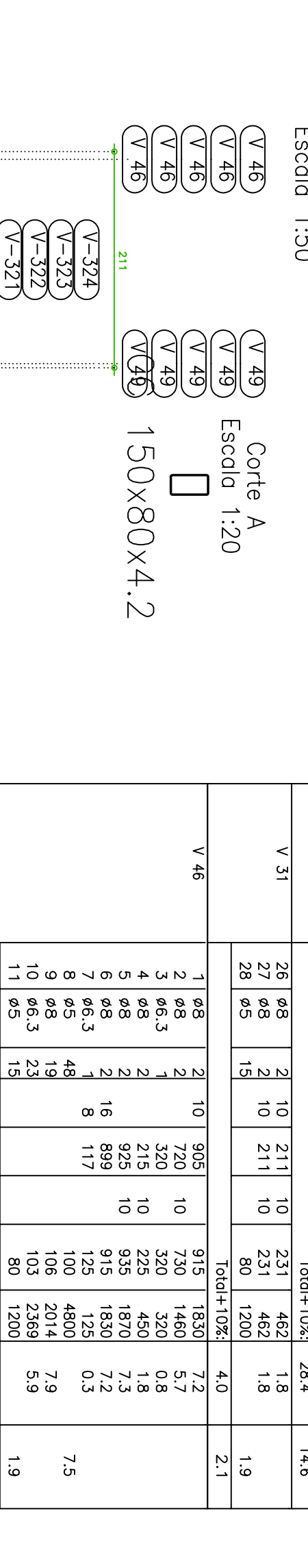
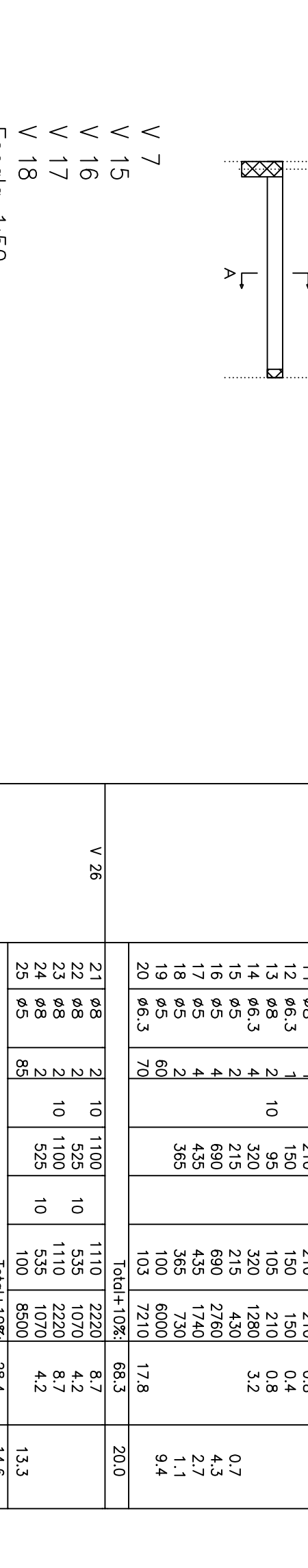
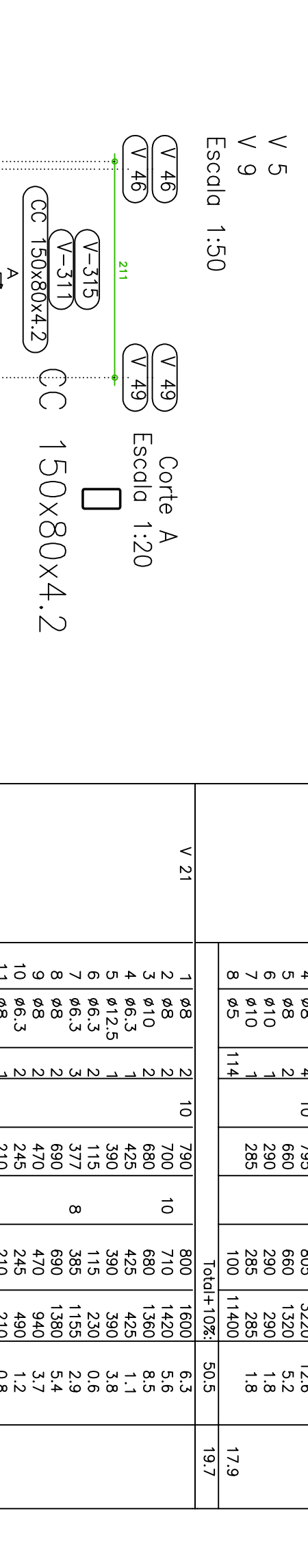
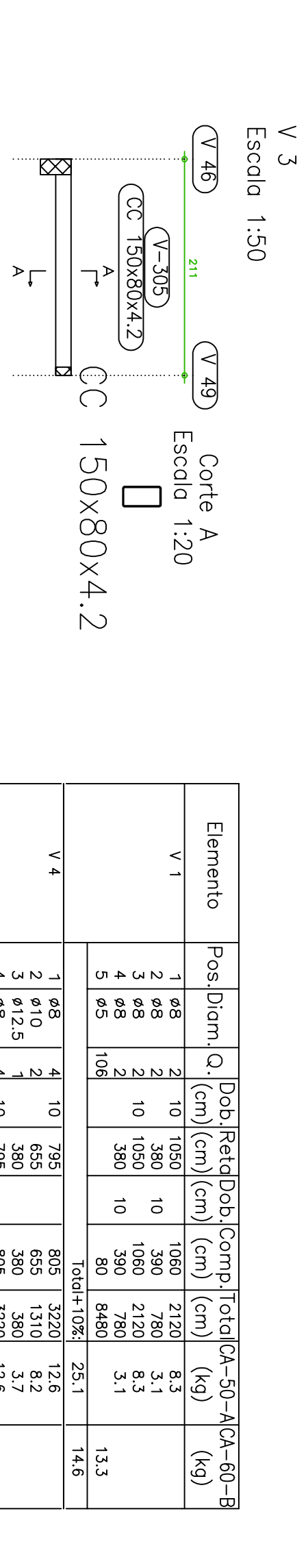
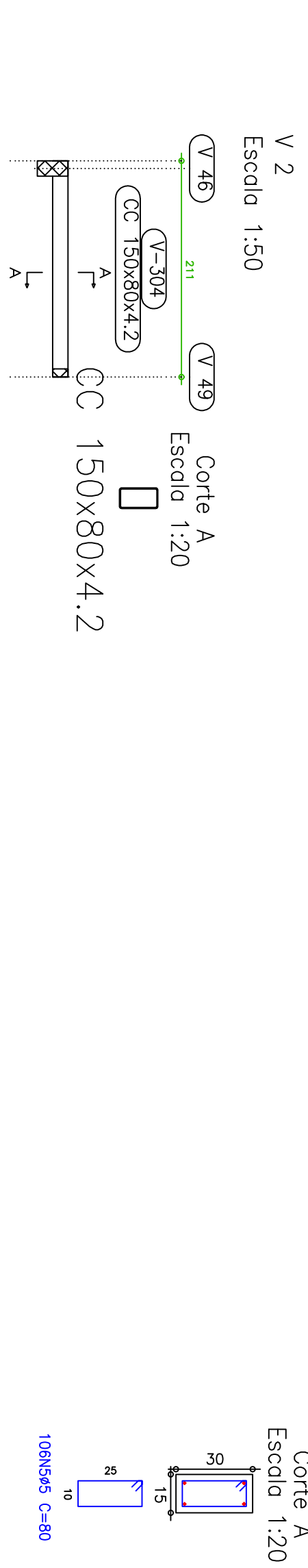
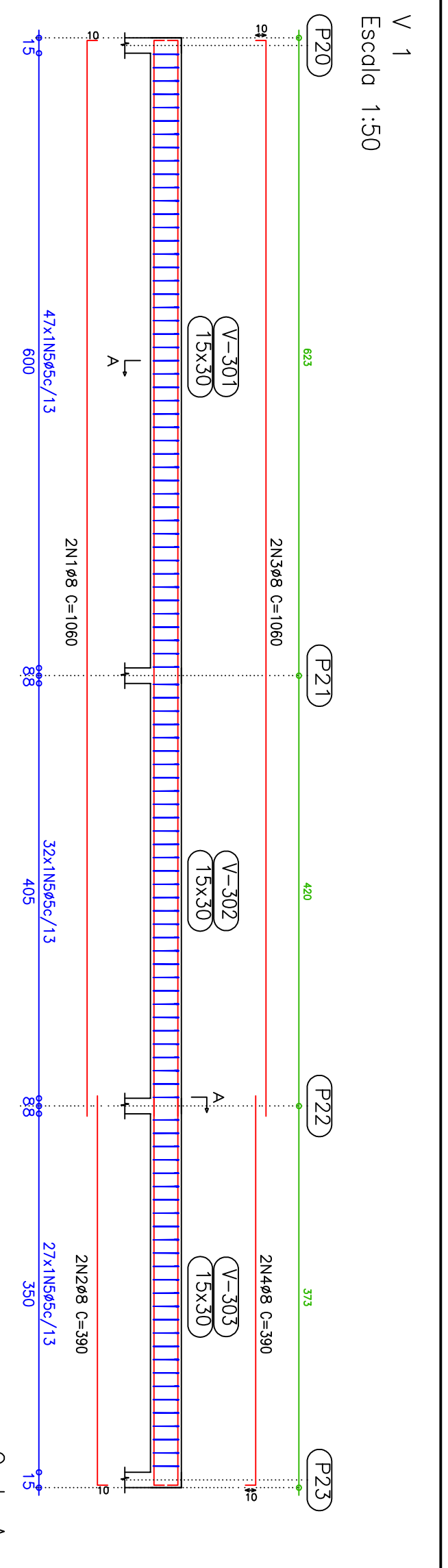
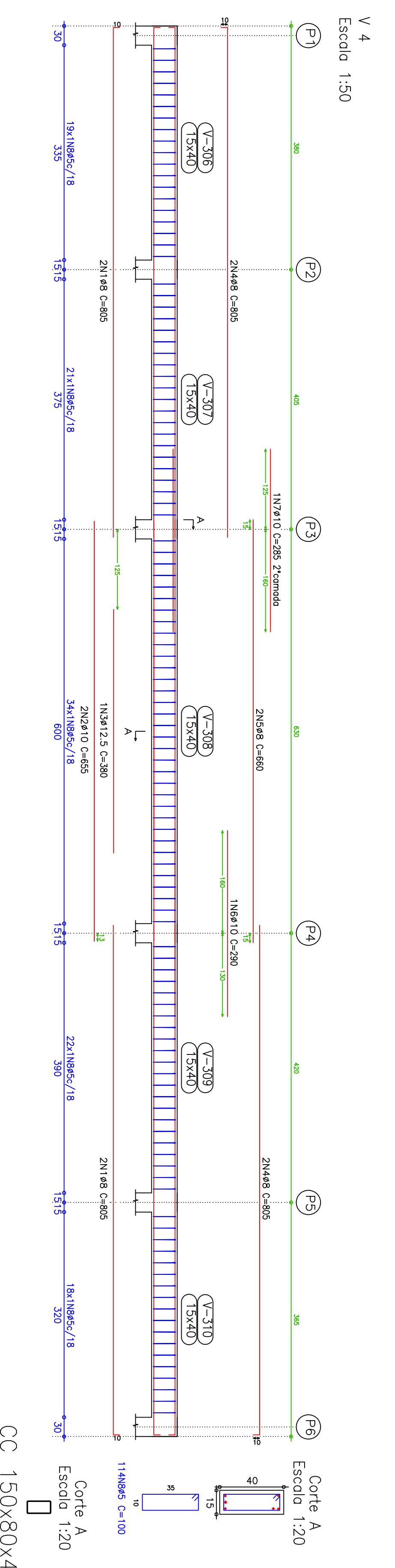
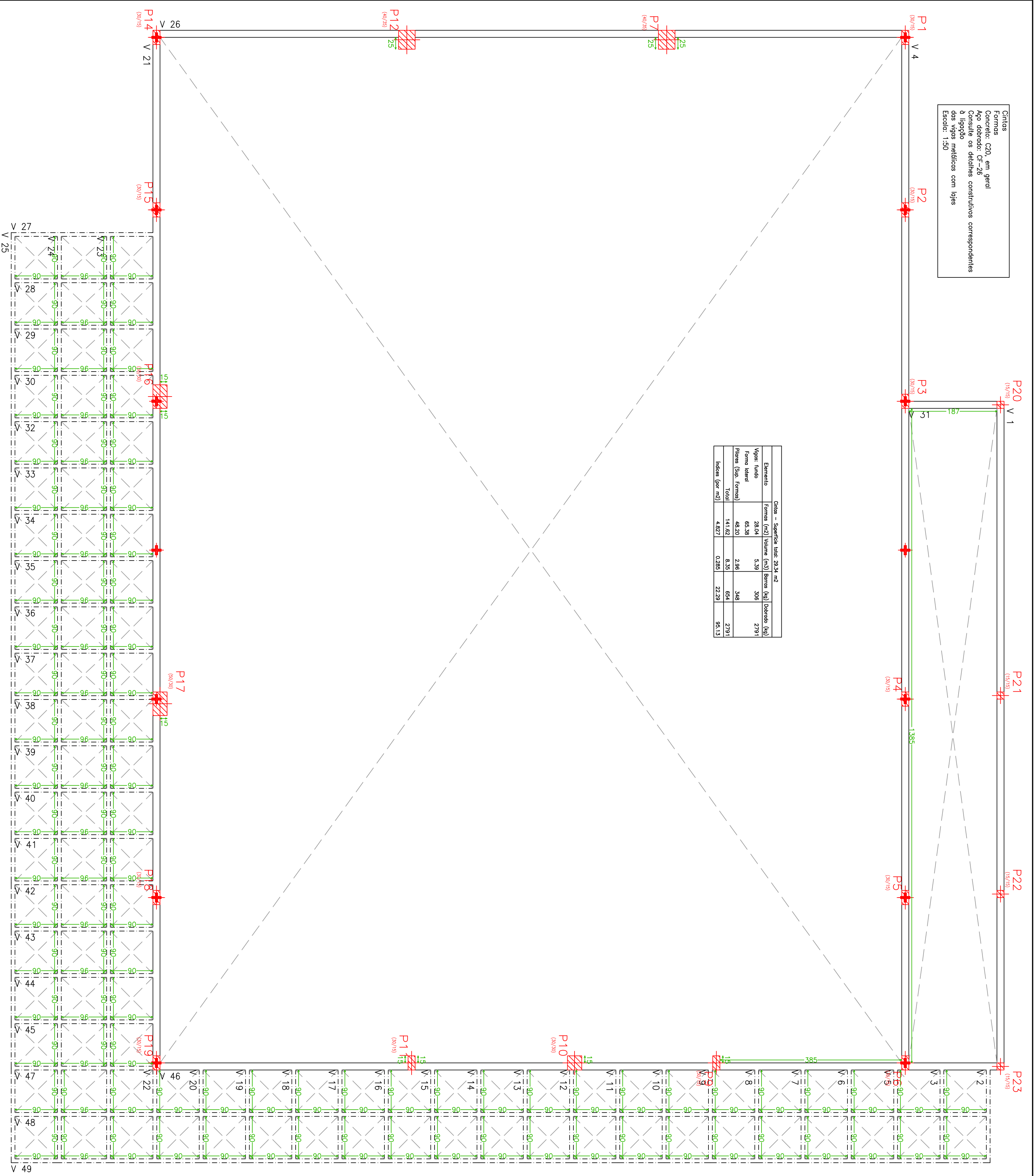


Cintas
Formas C20, em geral
Aço estrutural em geral
Consulte os detalhes construtivos correspondentes
à ligação
das vigas metálicas com pilas
Escala: 1:30

Elemento	Forma (m ²)	Superfície total (m ²)	Volume (m ³)	Diâmetro (mm)
Vigas: Fundo	28,04	5,39	308	2791
Forma Metálica	68,38			
Forma (Sup. Formas)	48,30	2,86	348	2791
Total	144,82	8,25	654	2791
Módulo (cm ²)	4,827	0,285	22,29	85,13



Elemento	Pos. Diâm. (cm)	Reqd. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	48	2	1050	1060	8,3
	2	48	2	1050	390	3,1
	3	48	2	1050	1060	21,20
	4	48	2	1050	390	8,3
	5	48	2	1050	390	8,3
V 4	1	48	4	1050	805	25,1
	2	48	4	1050	805	25,1
	3	48	4	1050	805	25,1
	4	48	4	1050	805	25,1
	5	48	4	1050	805	25,1
	6	48	4	1050	805	25,1
	7	48	4	1050	805	25,1
	8	48	4	1050	805	25,1
V 21	1	48	2	1100	800	6,3
	2	48	2	1100	710	5,6
	3	48	2	1100	425	1,7
	4	48	2	1100	425	1,7
	5	48	2	1100	390	3,8
	6	48	2	1100	115	0,6
	7	48	2	1100	385	1,8
	8	48	2	1100	385	1,8
	9	48	2	1100	470	3,7
	10	48	2	1100	210	0,8
V 28	1	48	2	1100	1110	22,20
	2	48	2	1100	525	10,70
	3	48	2	1100	525	10,70
	4	48	2	1100	525	10,70
	5	48	2	1100	525	10,70
	6	48	2	1100	525	10,70
	7	48	2	1100	525	10,70
	8	48	2	1100	525	10,70
	9	48	2	1100	525	10,70
	10	48	2	1100	525	10,70
V 31	1	48	2	1010	231	4,82
	2	48	2	1010	231	4,82
	3	48	2	1010	80	1,8
	4	48	2	1010	231	4,82
	5	48	2	1010	80	1,8
	6	48	2	1010	231	4,82
	7	48	2	1010	80	1,8
	8	48	2	1010	231	4,82
	9	48	2	1010	80	1,8
	10	48	2	1010	231	4,82
V 46	1	48	2	1010	915	18,30
	2	48	2	1010	320	1,90
	3	48	2	1010	320	1,90
	4	48	2	1010	225	4,50
	5	48	2	1010	935	18,70
	6	48	2	1010	915	18,30
	7	48	2	1010	117	0,3
	8	48	2	1010	106	2,014
	9	48	2	1010	103	2,389
	10	48	2	1010	80	1,200
Total					48,5	10,3

Resumo Aço	Comp. total	Peso+10%	Total
CA-50-A Ø6,3	137,5	37	157
Ø8	362,8	157	1,8
Ø10	32,5	22	1,8
Ø12,5	7,7	8	2,24
CA-60-B Ø5	472,4	82	82
Total			306

Cintas
Desenho de vigas
Dimensionado em geral
Aço CA-50-A e CA-60-B
Escala vigas: 1:30
Escala cintas: 1:20