

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)		
V 23	1	Ø12,5	4		125	1174	4690	45,2	V 1	1	Ø10	4		100	984	3936	24,3		
	2	Ø12,5	1		125	1174	4690	45,2		2	Ø8	2		100	934	3668	7,4		
	3	Ø12,5	1		125	1124	4496	17,8		3	Ø5	46		100	114	5244	8,2		
	4	Ø8	4		100	146	8176	70,8		Total+10%:		34,9		9,0					
	5	Ø6,3	56		100	Total+10%: 101,9			V 2	1	Ø10	5		100	639	3195	19,7		
V 25	1	Ø10	4		100	629	2516	15,3		2	Ø8	4		100	589	2356	9,3		
	2	Ø5	28		100	4	2632	4,1		3	Ø6,3	26		100	136	3536	8,7		
					Total+10%:		41,5		V 3	1	Ø10	4		100	424	1696	10,5		
V 26	1	Ø12,5	4		125	1058	4232	40,8		2	Ø5	17		100	94	1598	2,5		
	2	Ø12,5	1		125	1008	4030	1,9		V 5=V 10		1	Ø10	4		100	424	1696	10,5
	3	Ø8	2		100	1008	2016	6,0		2	Ø5	17		100	94	1598	2,5		
	4	Ø5	49		100	114	5586	8,8		Total+10%:		58,0		9,7					
					Total+10%:		58,0		V 4	1	Ø10	4		100	701	2804	17,3		
V 27	1	Ø10	4		100	651	1302	5,1		2	Ø8	2		100	651	1302	5,1		
	3	Ø5	33		100	114	3762	5,9		1	Ø10	4		100	230	920	5,7		
					Total+10%:		24,6			2	Ø5	7		100	94	658	1,0		

		V 6		Total		8.5		8.5		1.1																																									
	1	010	4	27	414	11	464	1056	12.4																																										
	2	08	2		414	828	3.3																																												
	3	05	20		114	2380	3.6																																												
O2 COBERTURA <table><tr><th>Elemento</th><th>Perímetro (m)</th><th>Superficie (m²)</th><th>Volumen (m³)</th><th>Costo</th></tr><tr><td>Layes de vigotas</td><td>-</td><td>334.99</td><td>31.110</td><td>405</td></tr><tr><td>Layes macizas</td><td>137.30</td><td>9.28</td><td>1.390</td><td>13</td></tr><tr><td>Vigas</td><td>170.30</td><td>38.19</td><td>18.470</td><td>1350</td></tr><tr><td>Pilares</td><td>139.74</td><td>-</td><td>6.740</td><td>1314</td></tr><tr><td>Total</td><td></td><td>382.47</td><td>57.610</td><td>3110</td></tr><tr><td>Indicador (por m²)</td><td>-</td><td>-</td><td>0.150</td><td>8.18</td></tr><tr><td>Superficie total: 385.37 m²</td><td></td><td></td><td></td><td></td></tr></table>												Elemento	Perímetro (m)	Superficie (m ²)	Volumen (m ³)	Costo	Layes de vigotas	-	334.99	31.110	405	Layes macizas	137.30	9.28	1.390	13	Vigas	170.30	38.19	18.470	1350	Pilares	139.74	-	6.740	1314	Total		382.47	57.610	3110	Indicador (por m ²)	-	-	0.150	8.18	Superficie total: 385.37 m ²				
Elemento	Perímetro (m)	Superficie (m ²)	Volumen (m ³)	Costo																																															
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	1	010	4	27	414	11	544	2176	13.4																																										
	2	08	2		414	828	3.3																																												
	3	05	20		114	2380	3.6																																												
Total+10%: 36.2 6.5																																																			
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Total+10%: 36.2 6.5																																																			

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V 17

Φ20

4.64

Φ20

2N1010 C=509

1/2 inch
(16mm)

1/2 inch
(16mm)

Φ20

2 05 38

94

3572

5.6

Total+10%:

22.3

1 010

4

639

2556

15.8

2 008

2

589

1178

4.7

3 05

27

114

3078

Total+10%:

22.6

1 010

4

424

1690

10.5

2 05

16

94

1504

2.4

Total+10%:

11.6

1 010

4

534

2130

13.2

2x (N208) A, Pelo C=459

21x (N310) C=509

14 417 20

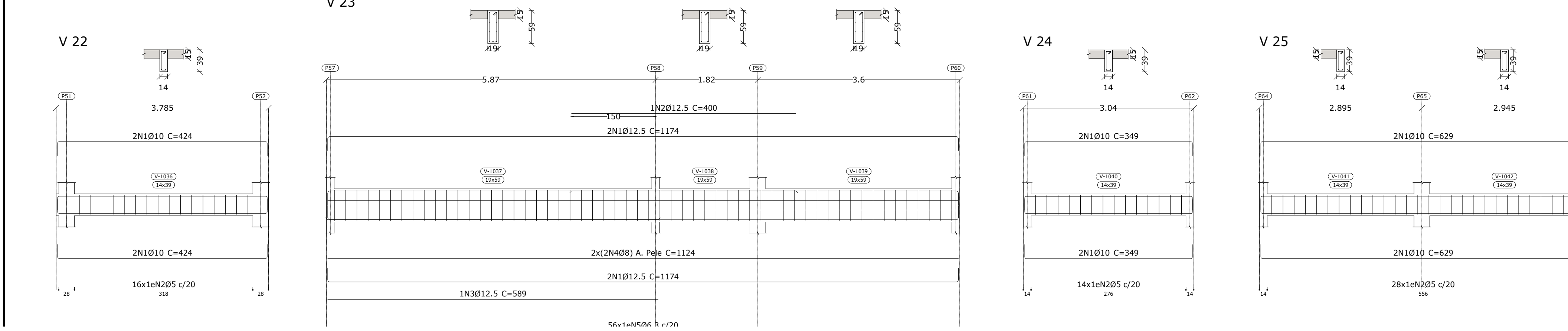
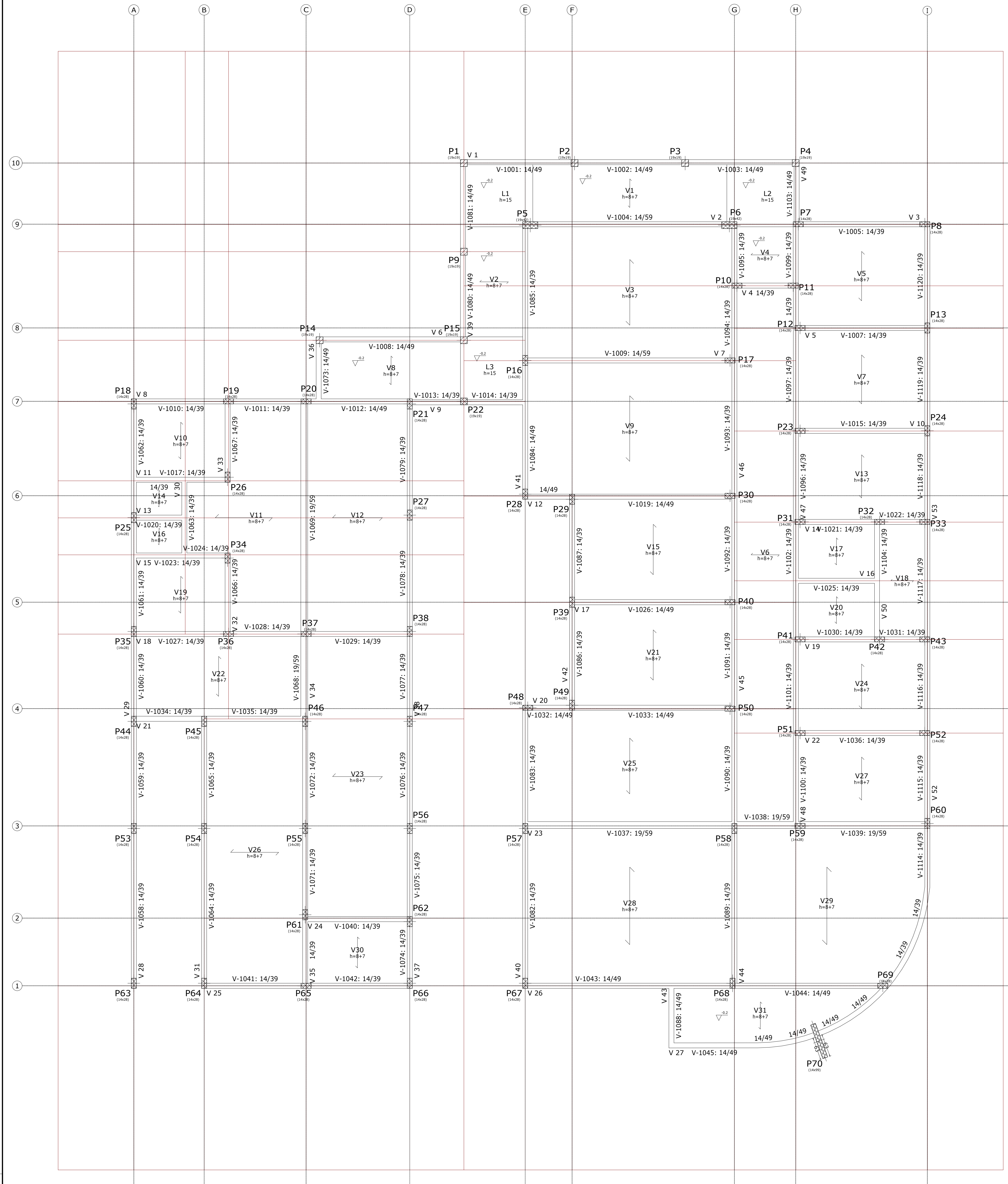
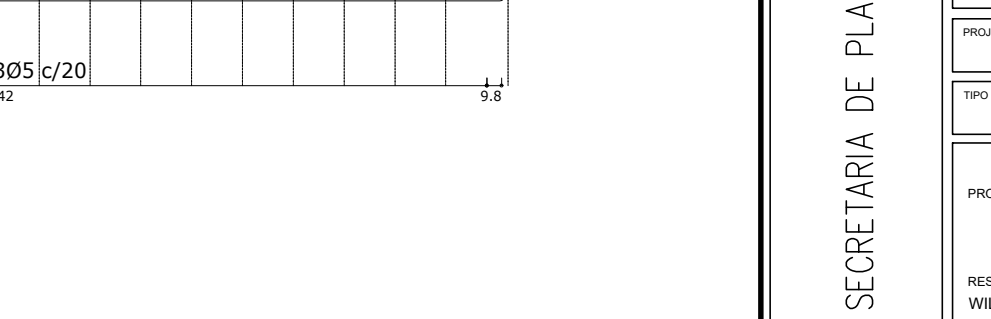
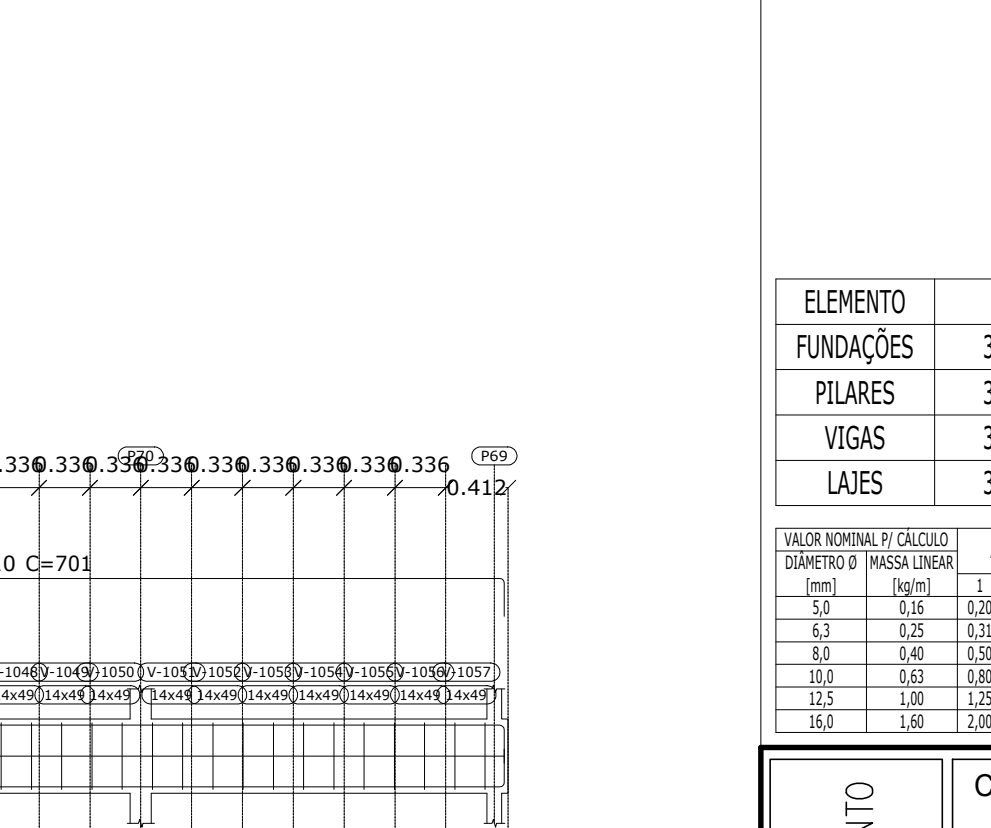
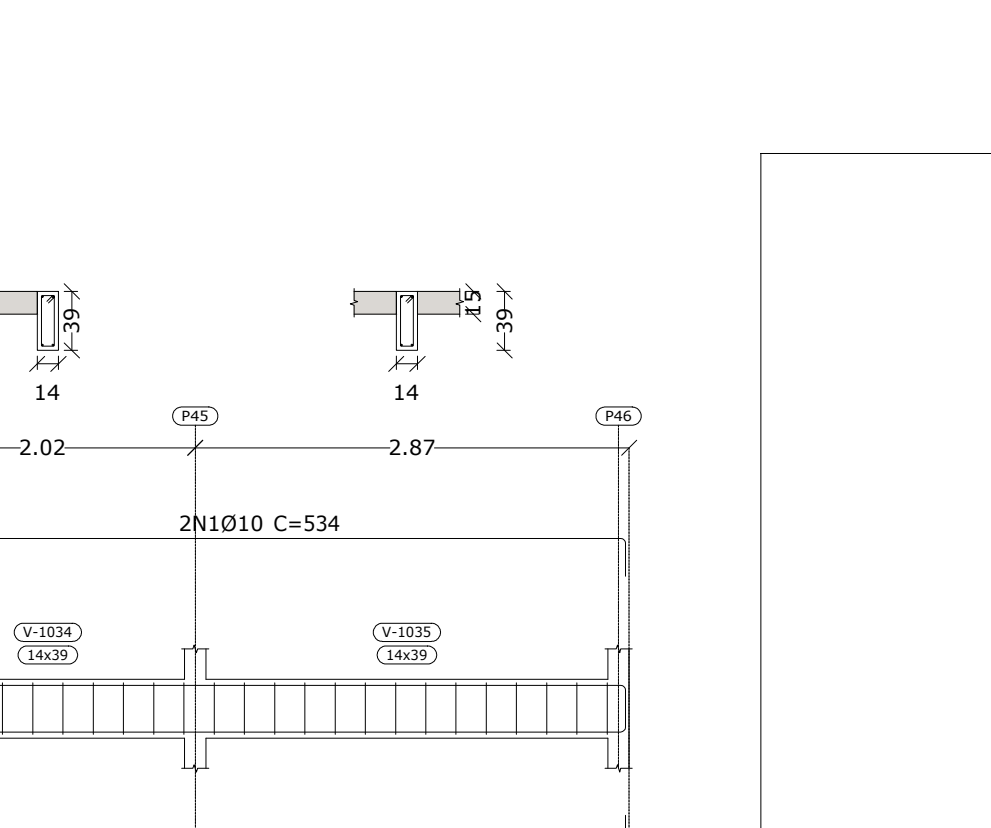
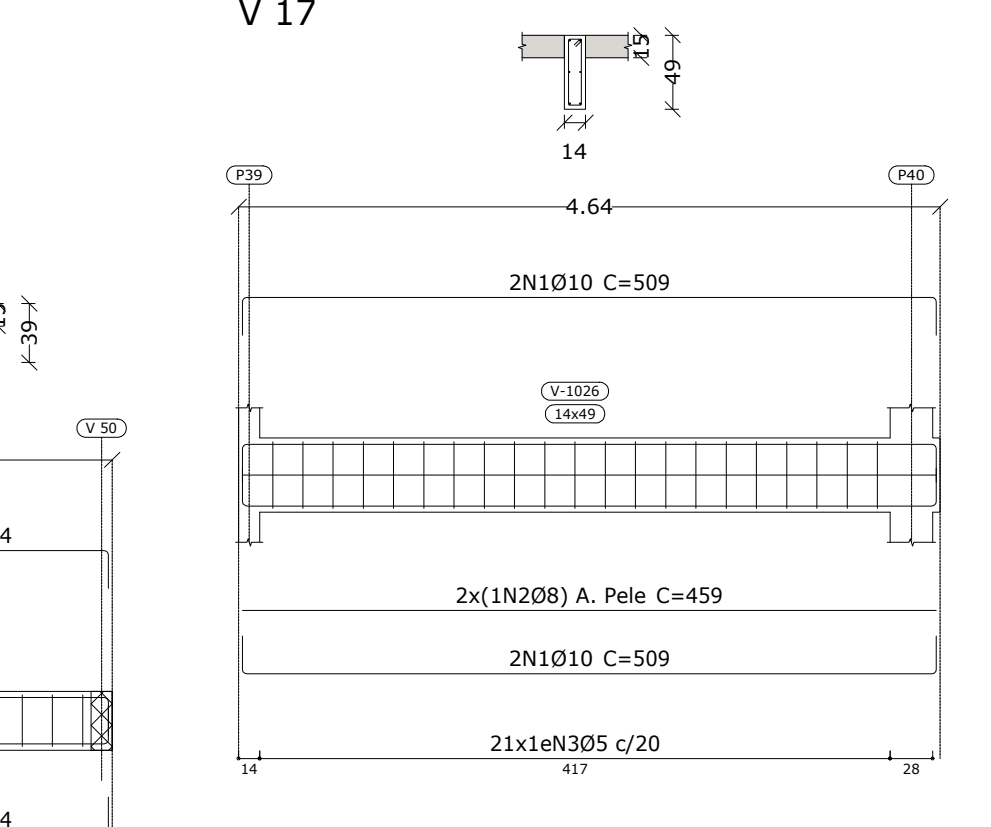
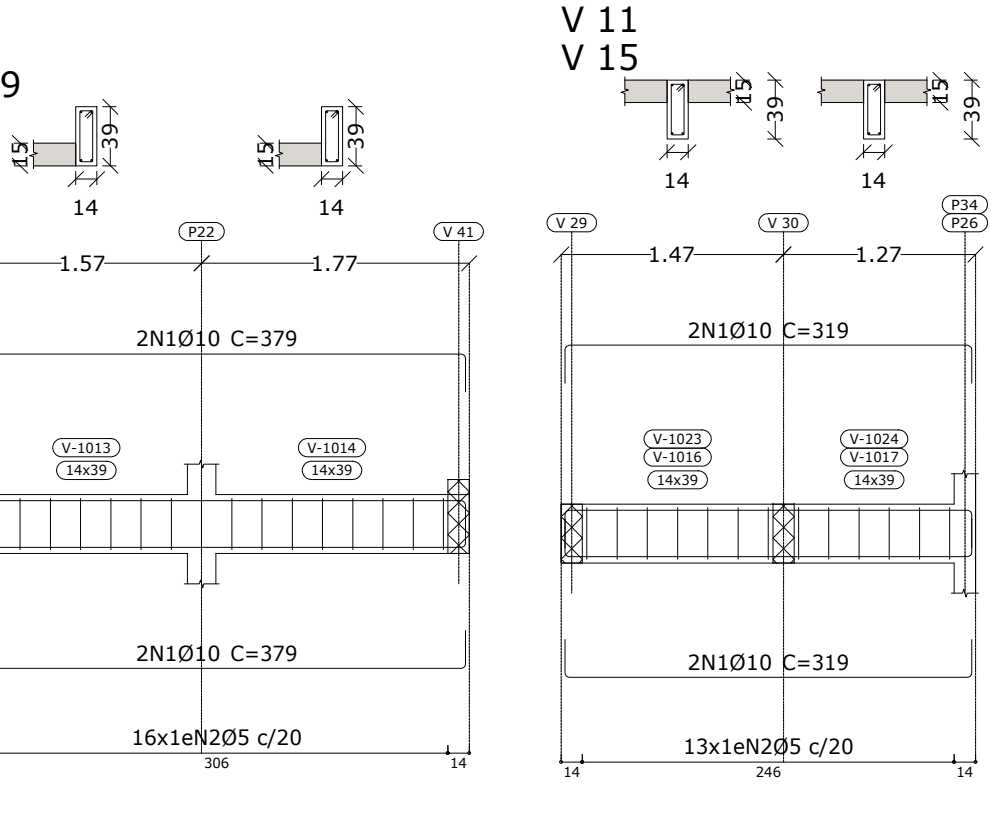
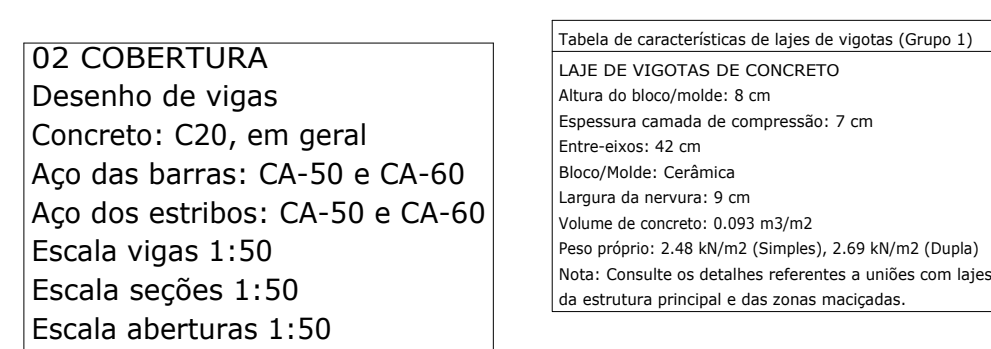
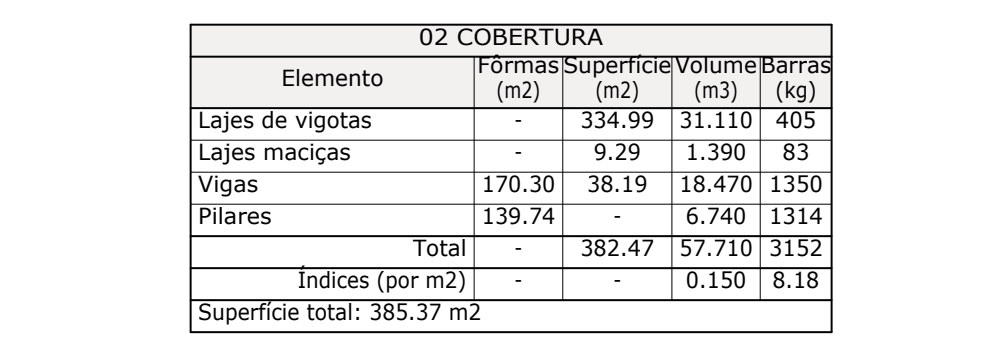
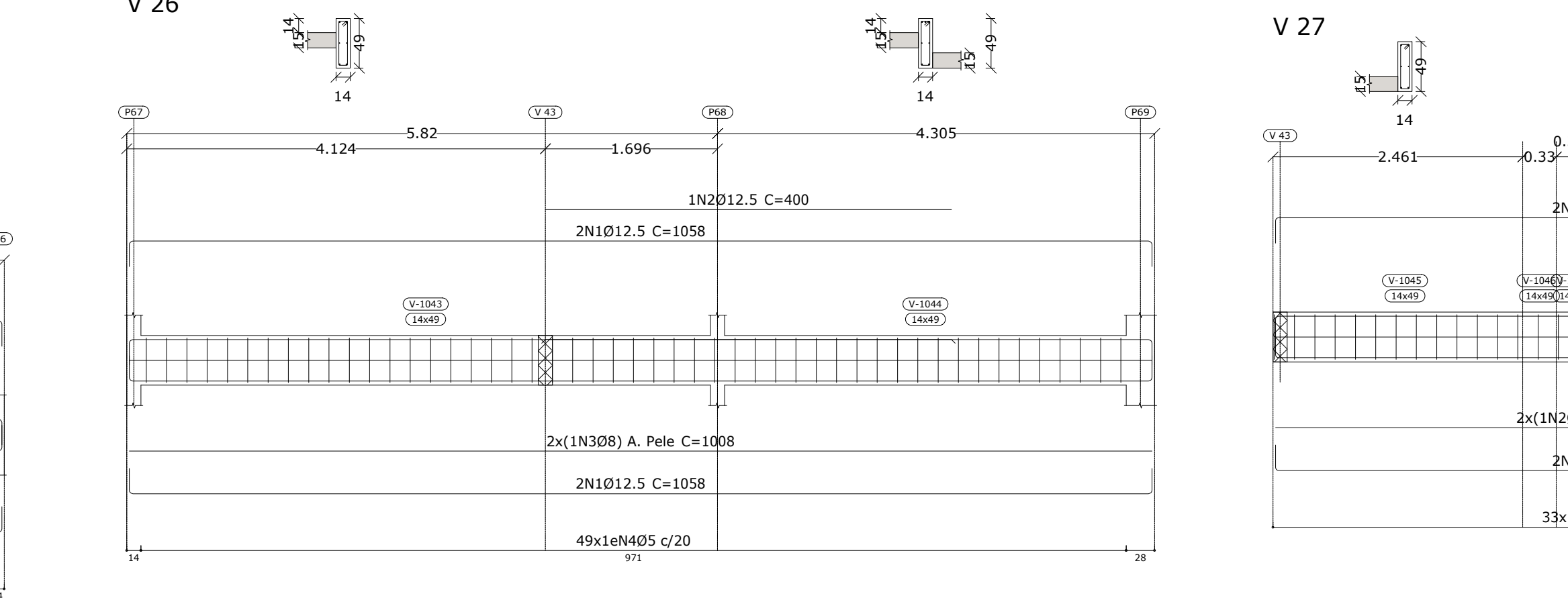
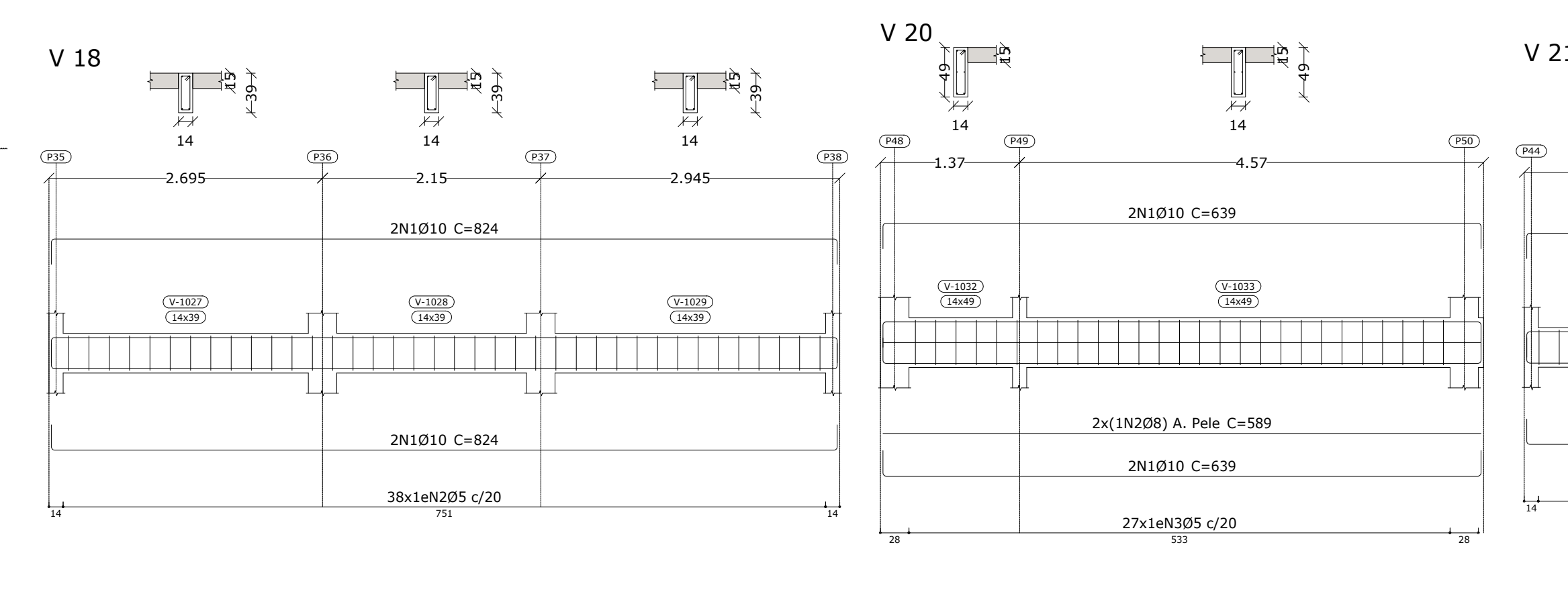
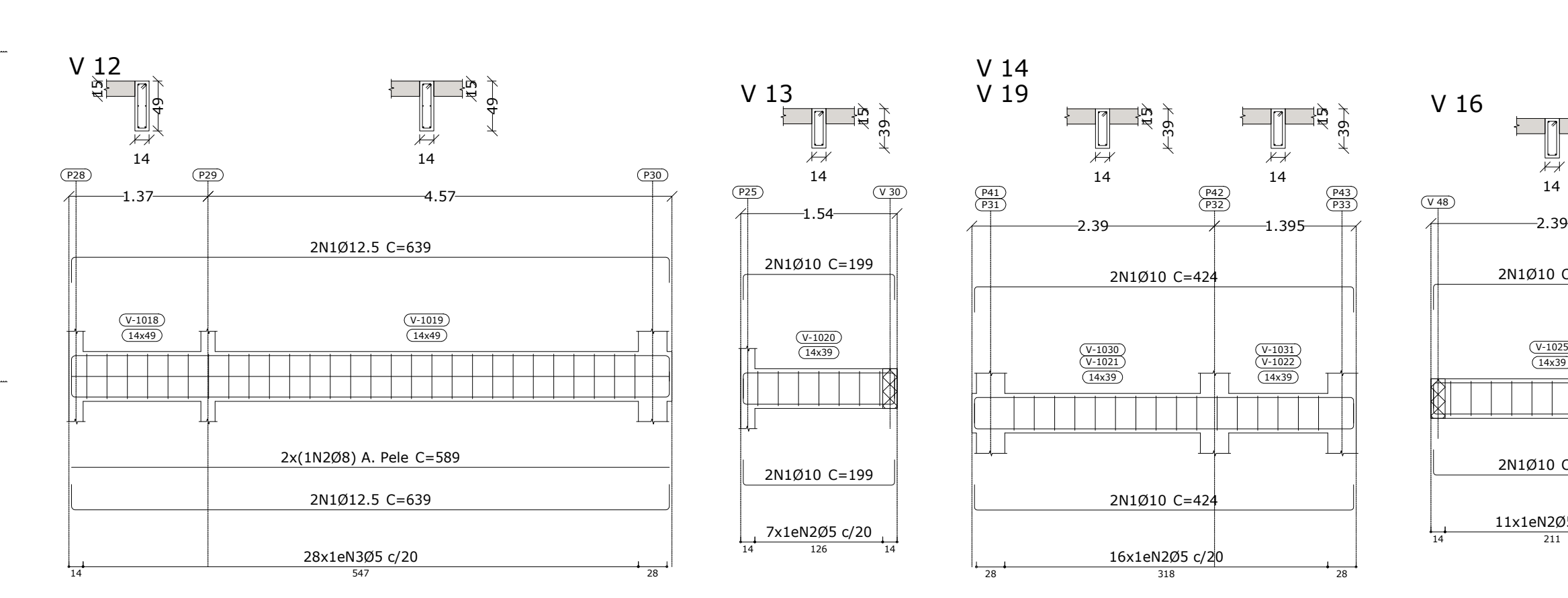
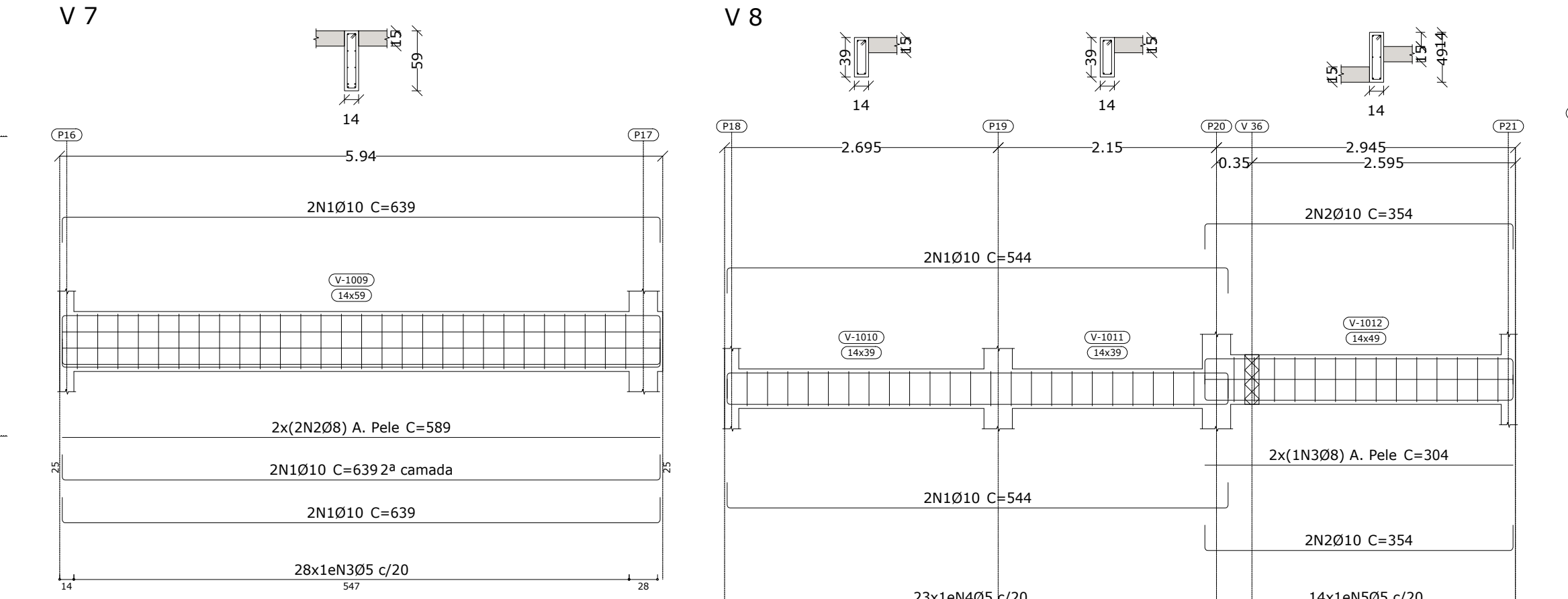
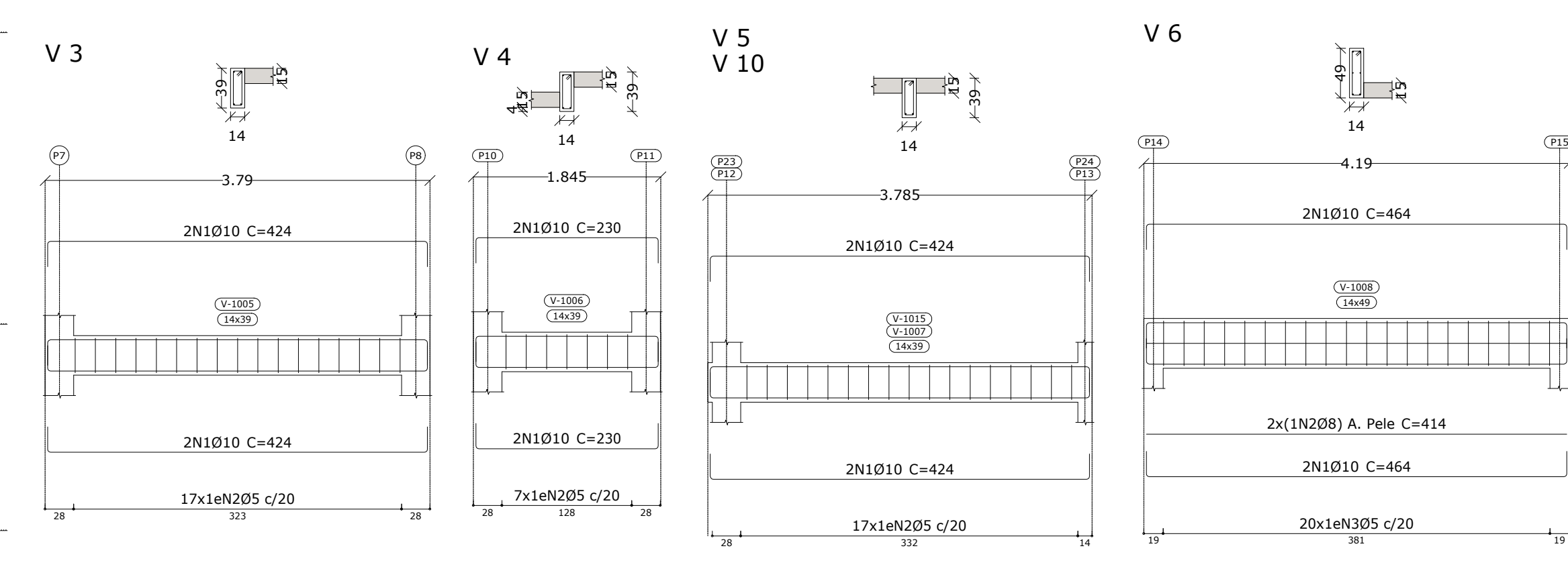
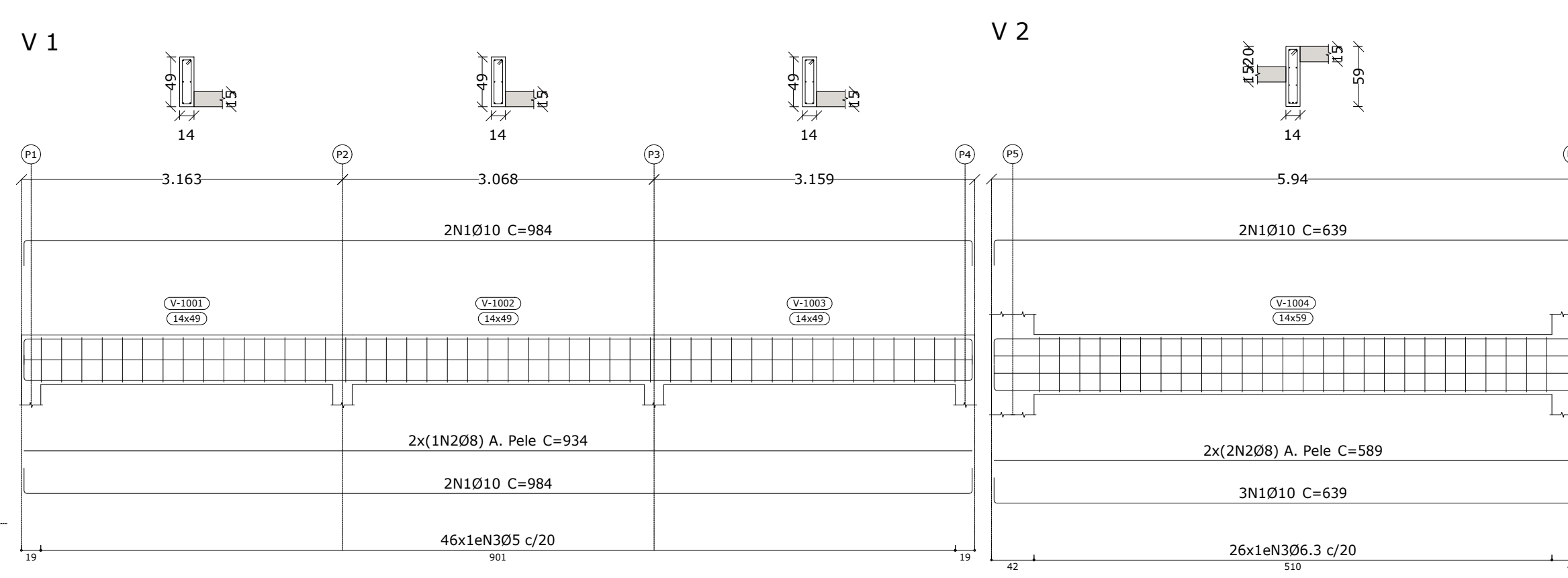
	2	Ø5	24		94	2256	3.5
V 24							
	Total=10%:	14.5	3.9				
	1	Ø10	4	$\frac{1}{2}$	349	1396	8.6
	2	Ø5	14	$\frac{1}{2}$	94	1316	2.1
	Total=10%:	9.5	2.3				
	Ø5:	90.3	31.6	0.0			101.1
	Ø8:	83.2	0.0			0.0	
	Ø10:	341.4	0.0			0.0	
	Ø12.5:	136.6	0.0			0.0	
	Total:	192.8	101.1				

Technical drawing of a window frame. The drawing shows a cross-section of the frame with various dimensions and components labeled.

- Top dimension: 211010 C=534
- Left side dimension: 24x1eN285 c/20
- Right side dimension: 14
- Internal dimensions and labels:
 - Top left: 1000
 - Top right: 1000
 - Bottom left: 1000
 - Bottom right: 1000

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SECRETARIA	PROPRIETARIO	PREFEITURA MUNICIPAL DE CAMPO BOM	FRANCHA
	RESPONSÁVEL TÉCNICO	ENG. CIVIL - CREA RS 212.796	E.03



Assinantes



William Mateus Muller

Assinou em 26/08/2026 às 16:24:29 com o certificado avançado da Betha Sistemas e possui a identidade verificada com o CPF *****.589.330-****.

Eu, William Mateus Muller, estou ciente das normas descritas na Lei nº 14.063/2020, no que se refere aos tipos de assinaturas consideradas como válidas para a prática de atos e interações pelos Entes Públicos.

Veracidade do documento



Documento assinado digitalmente.

Verifique a veracidade utilizando o QR Code ao lado ou acesse o site **verificador.betha.cloud** e insira o código abaixo:

9EG-1XN-8VR-DGO