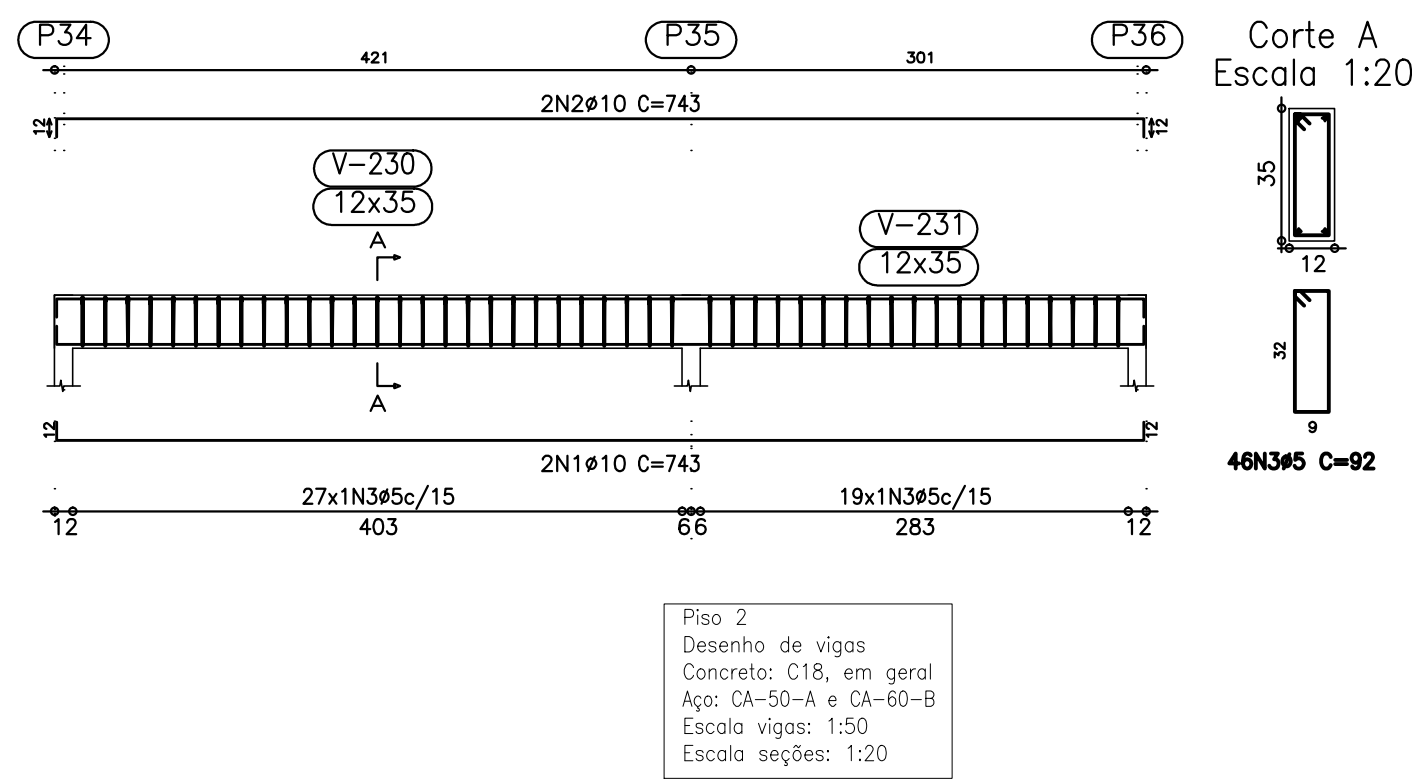
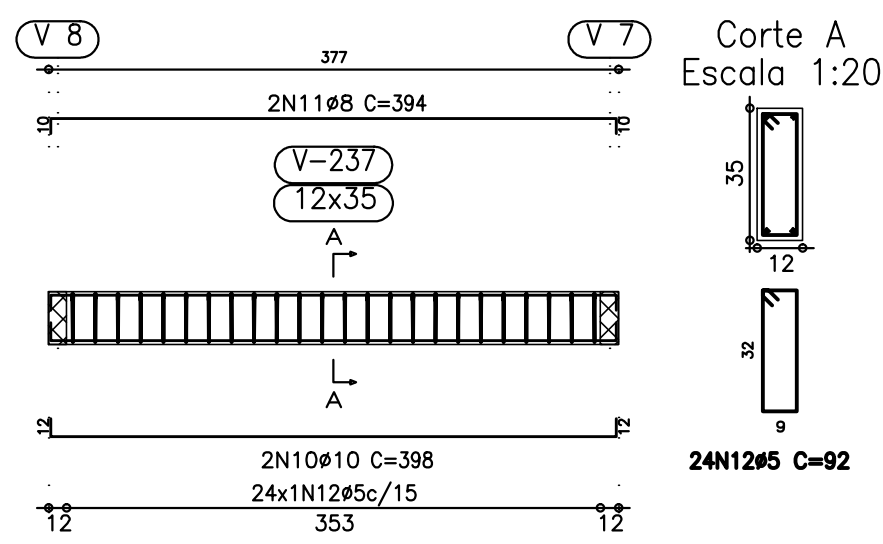


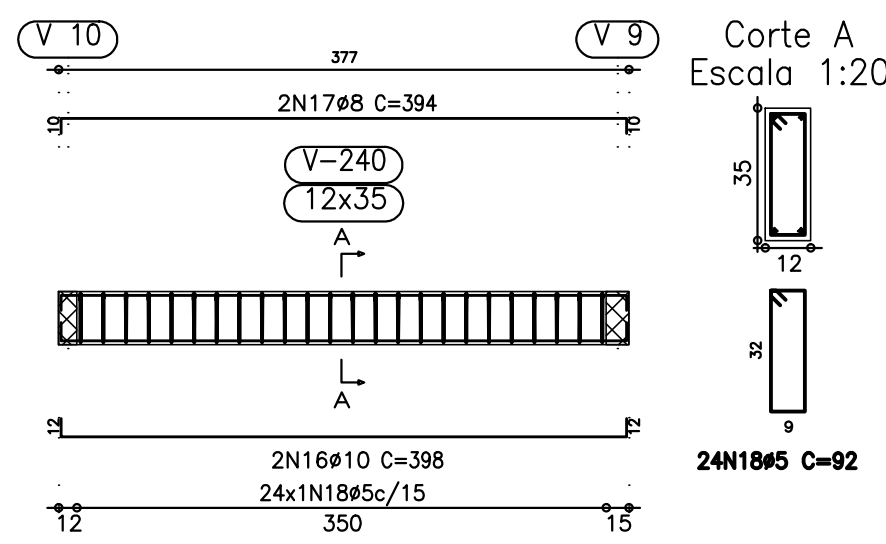
V 11
Escala 1:50



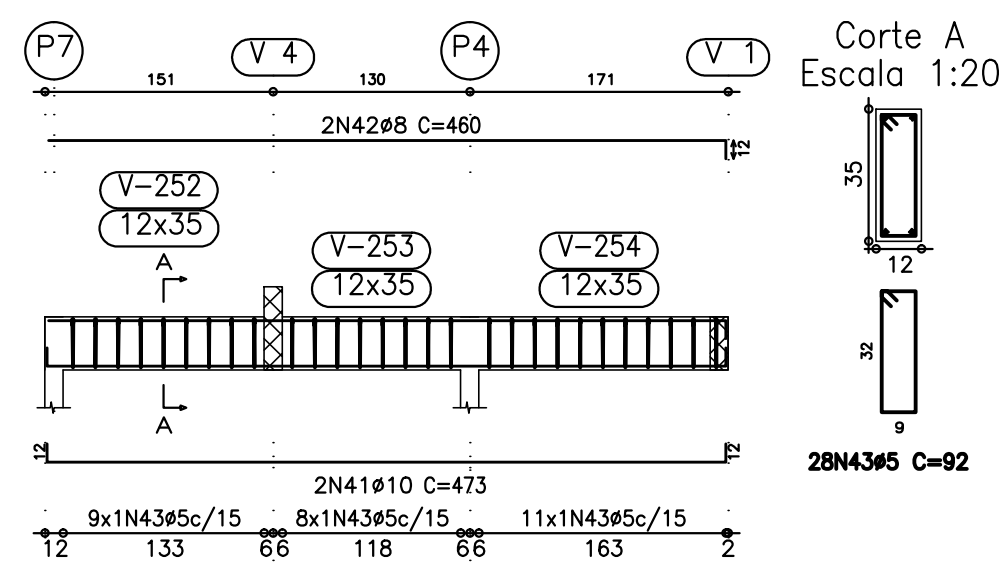
V 15
Escala 1:50



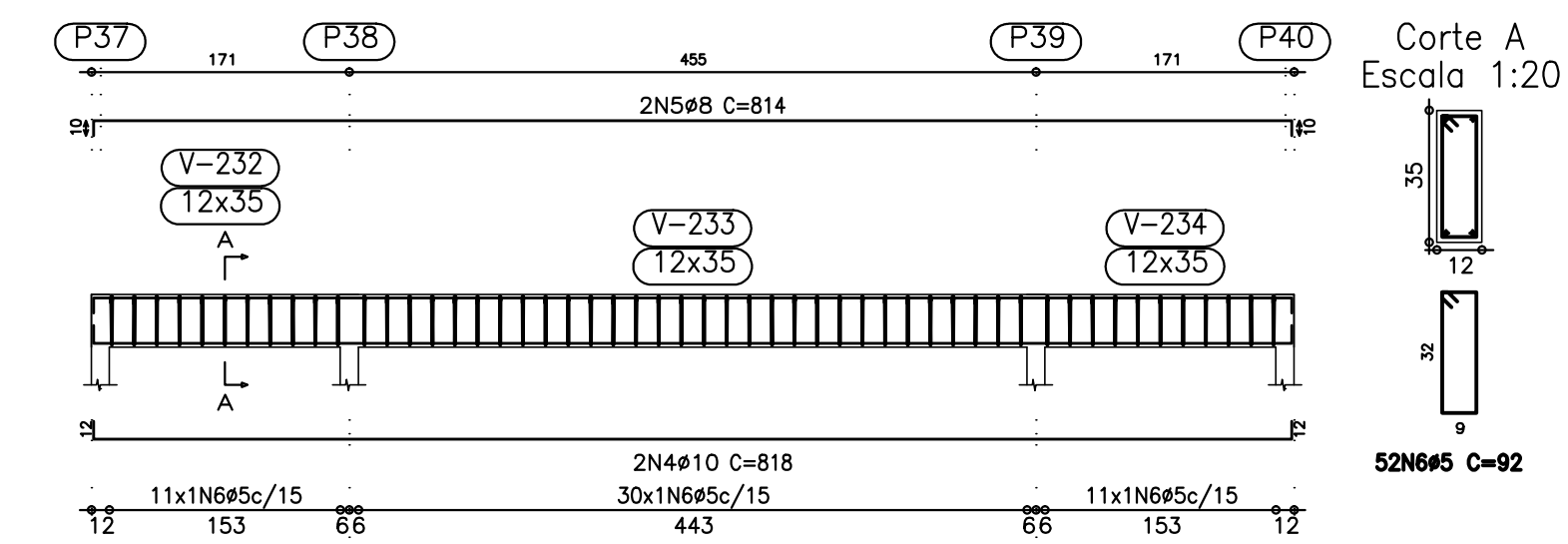
V 18
Escala 1:50



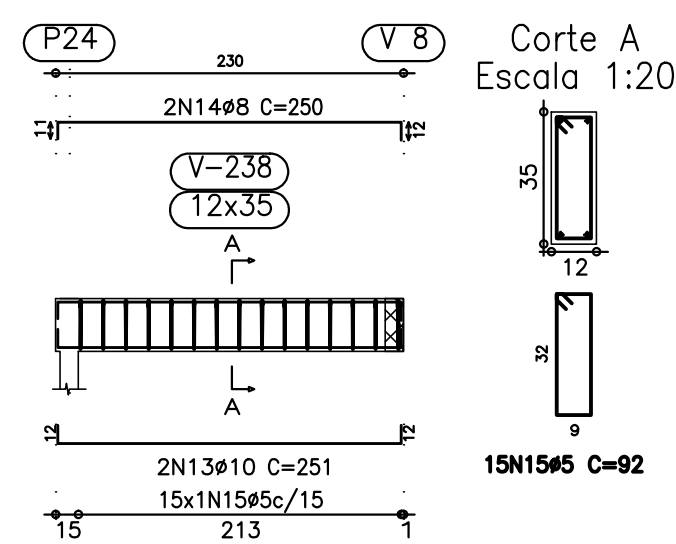
V 24
Escala 1:50



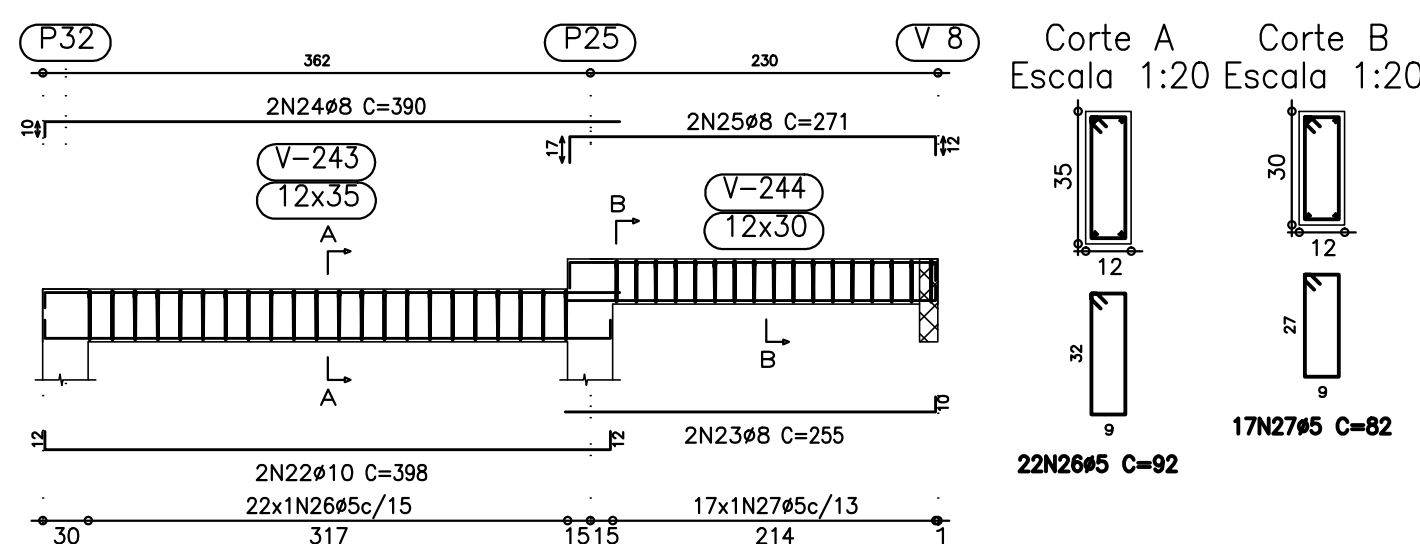
V 12
Escala 1:50



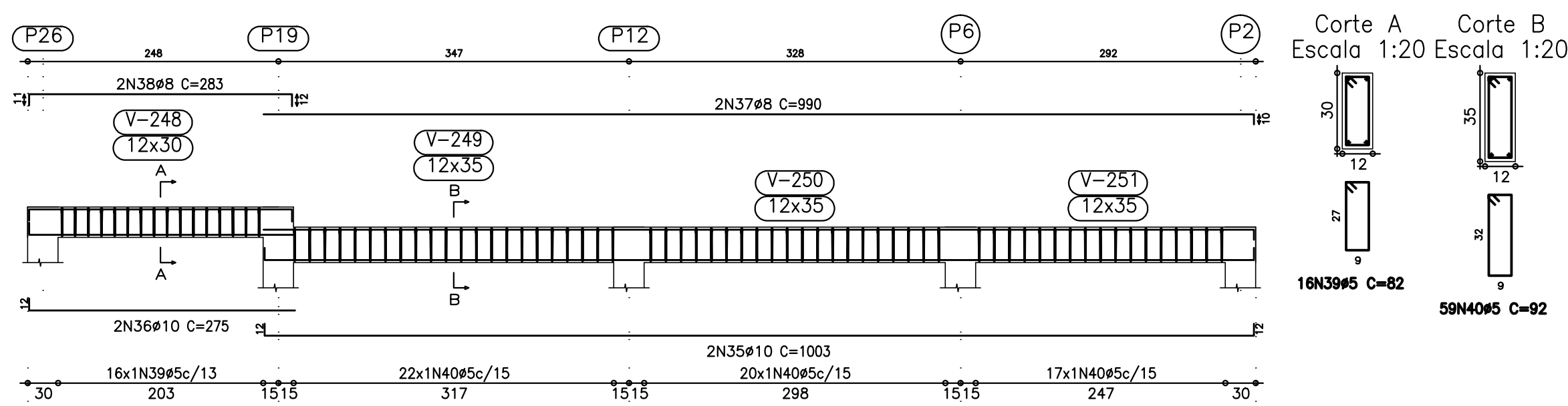
V 16
Escala 1:50



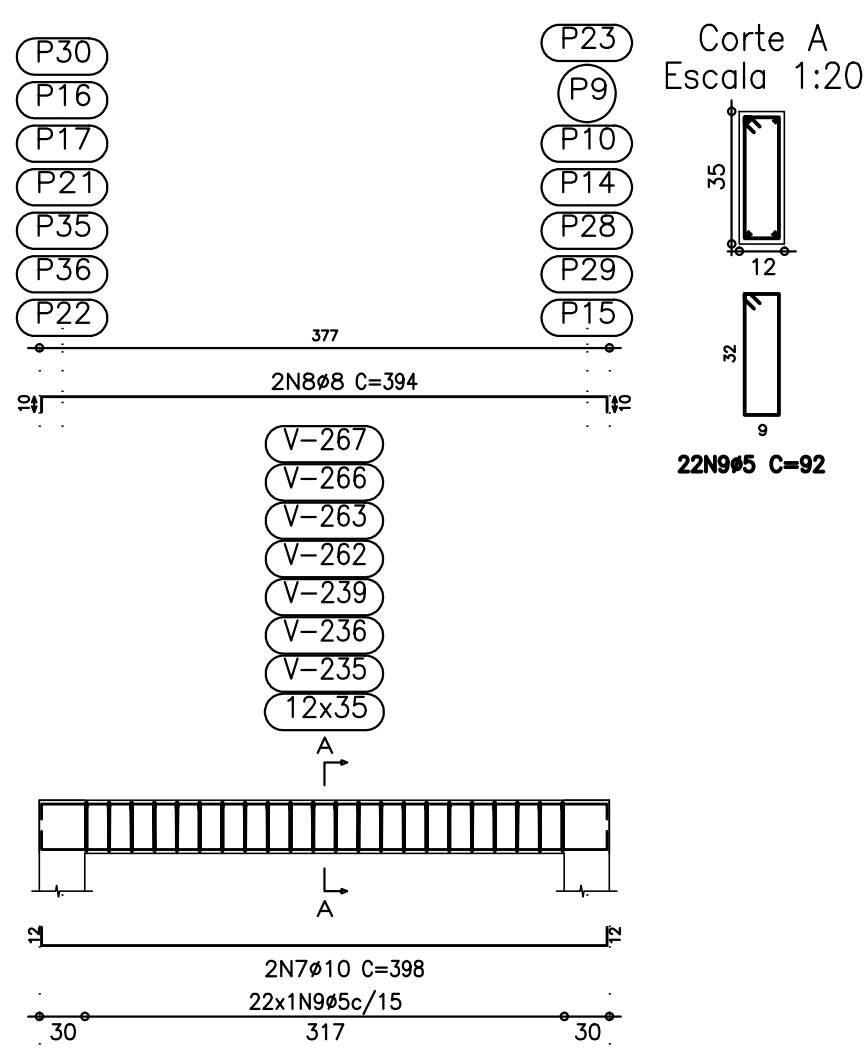
V 20
Escala 1:50



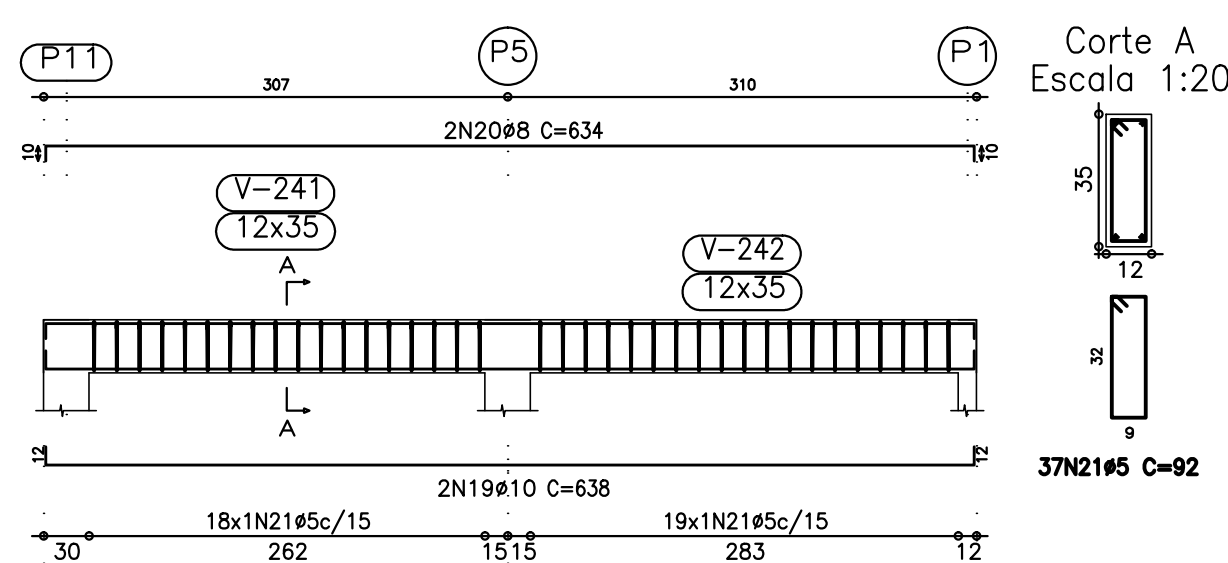
V 23
Escala 1:50



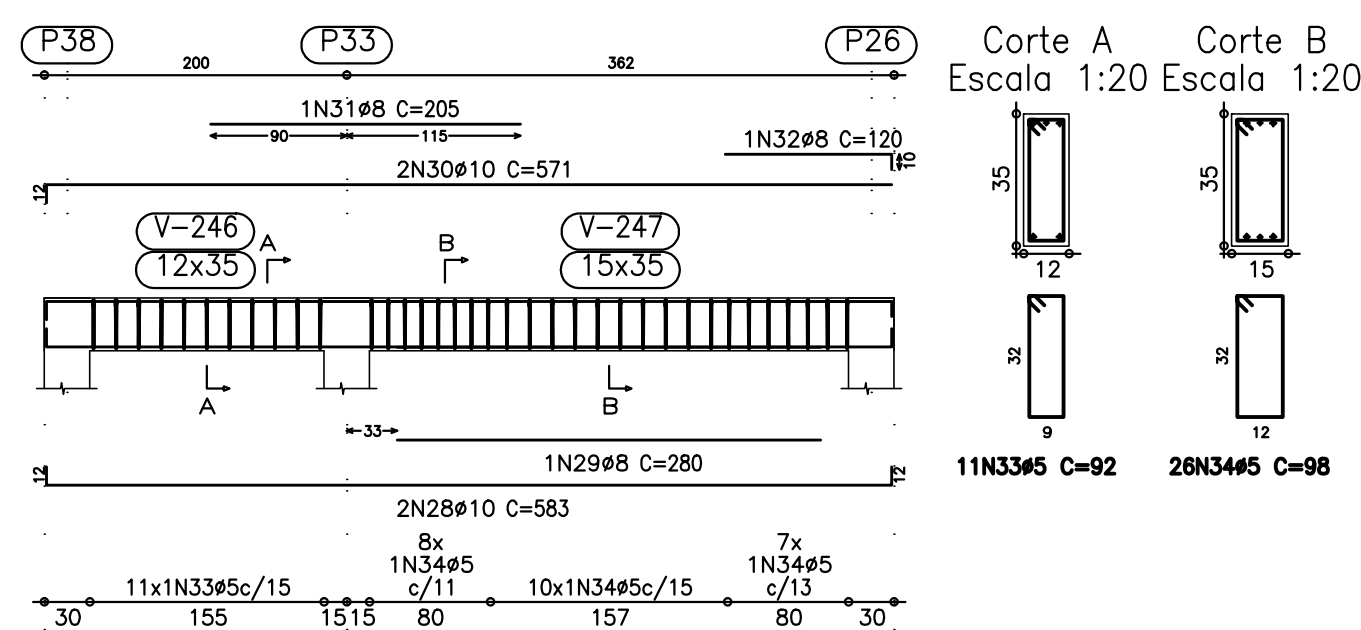
V 13
V 14
V 17
V 30
V 31
V 34
V 35
Escala 1:50



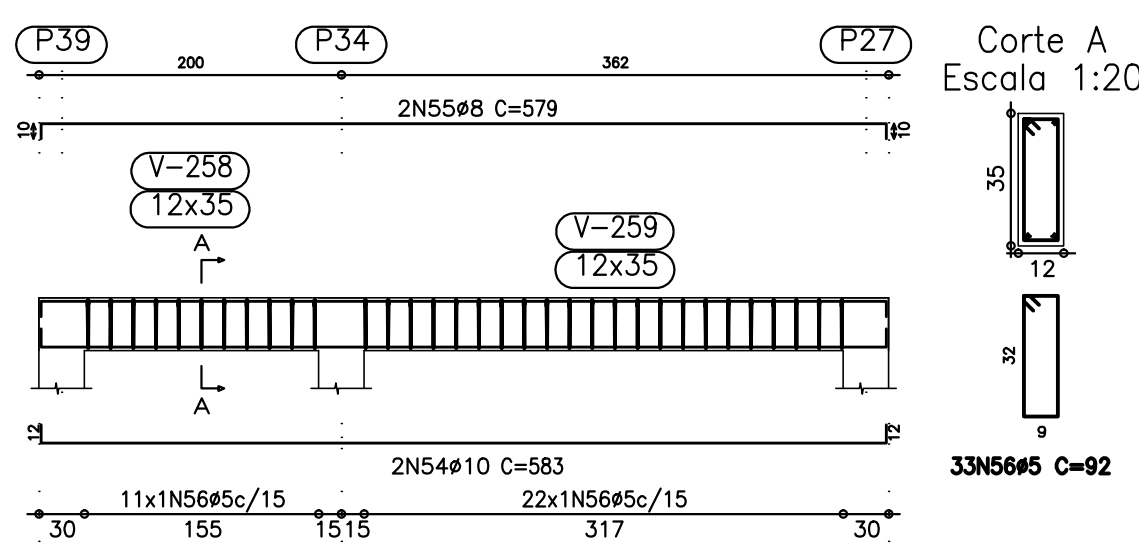
V 19
Escala 1:50



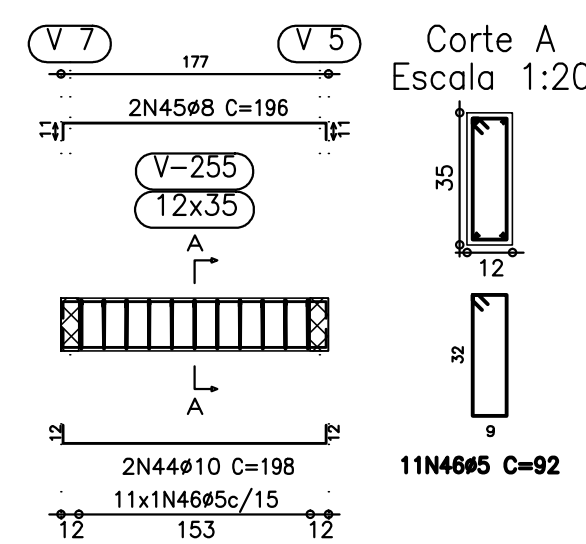
V 22
Escala 1:50



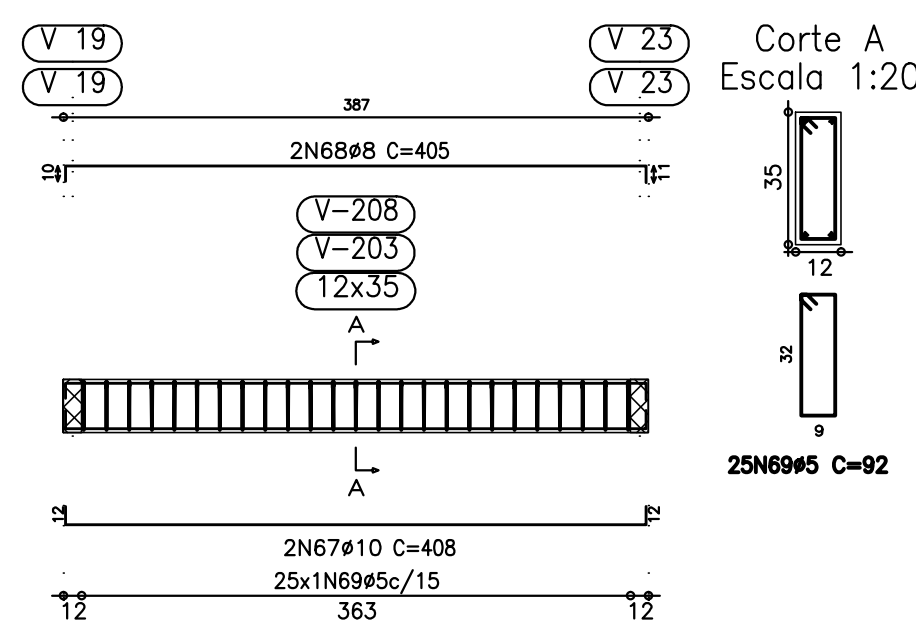
V 27
Escala 1:50



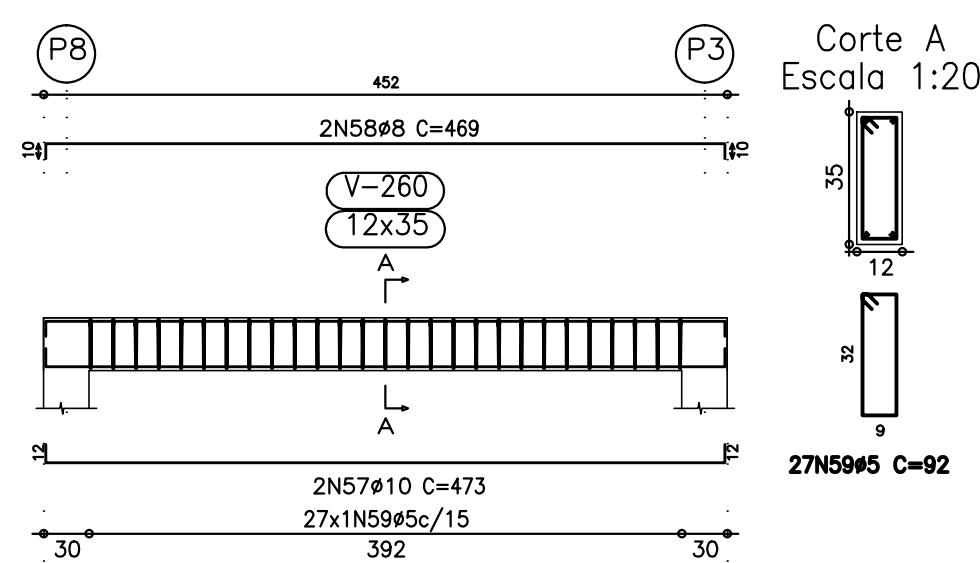
V 25
Escala 1:50



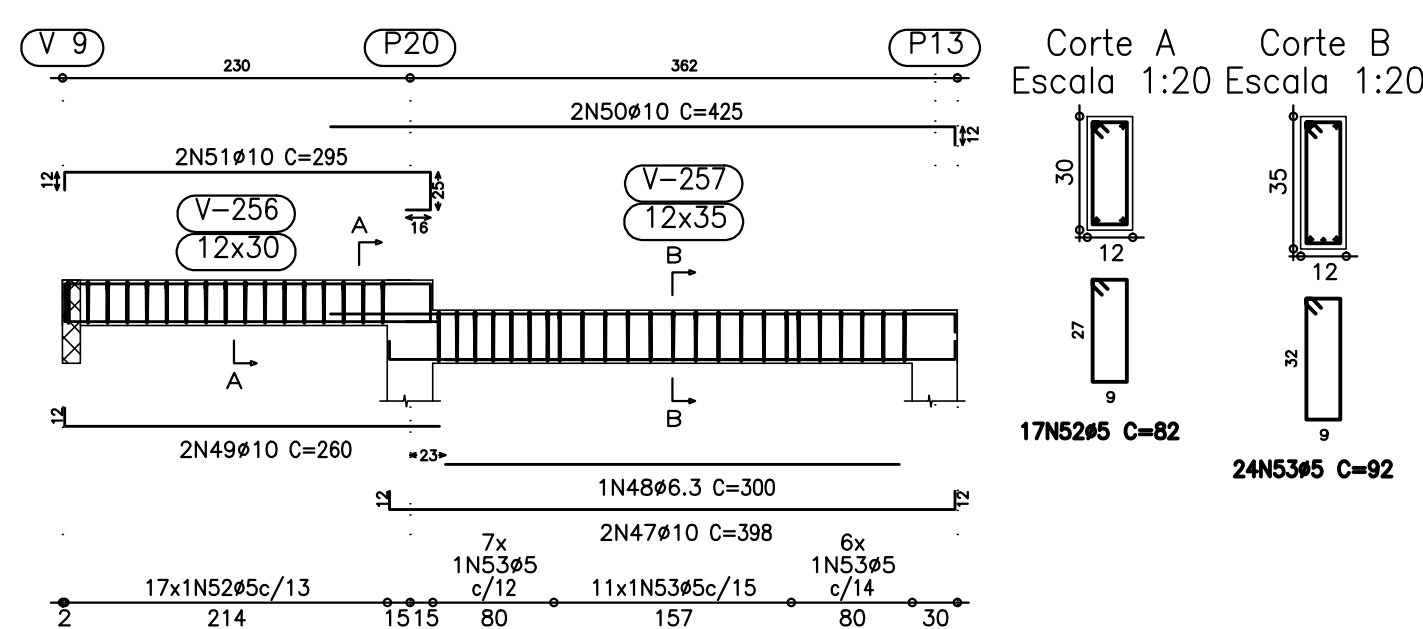
V 2
V 6
Escala 1:50



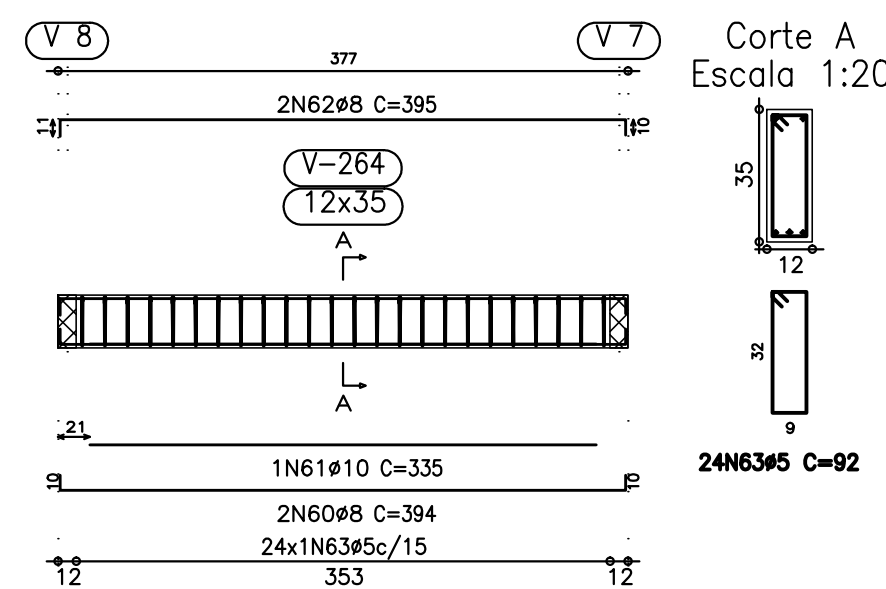
V 28
Escala 1:50



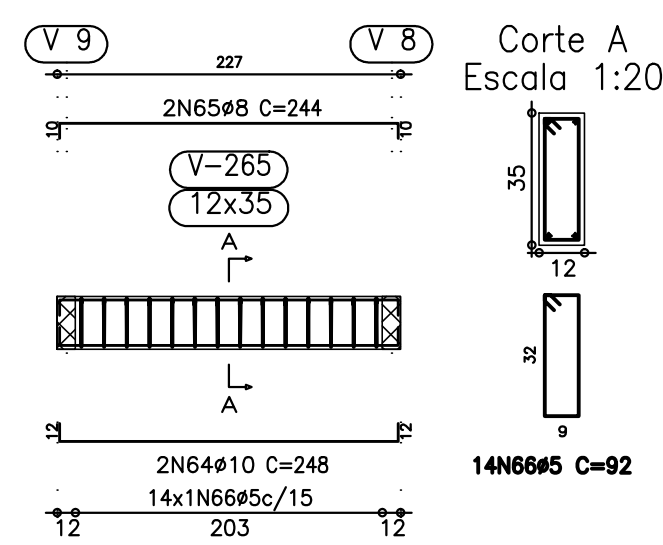
V 26
Escala 1:50



V 32
Escala 1:50



V 33
Escala 1:50



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 11	1 2 3	ø10 ø10 ø5	2 2 46	12 12 719	12 12 719	12 12 719	818 796 92	1636 1486 4232	10.3 9.3 20.5	6.6 7.3
V 12	4 5 6	ø10 ø8 ø5	2 2 52	12 10 794	12 10 794	12 10 794	818 814 92	1636 1628 4784	10.3 6.4 7.5	8.3
V 13=V 14=V 17 V 30=V 31=V 34 V 35	7 8 9	ø10 ø8 ø5	2 2 22	12 10 374	12 10 374	12 10 374	398 394 92	796 788 2024	5.0 3.1 8.9	3.2 3.5 24.5
V 15	10 11 12	ø10 ø8 ø5	2 2 24	12 10 374	12 10 374	12 10 374	398 394 92	796 788 2208	5.0 3.1 8.9	3.5 3.9
V 16	13 14 15	ø10 ø8 ø5	2 2 15	12 10 227	12 10 227	12 10 227	251 250 92	502 500 1380	3.2 2.0 5.7	2.2
V 18	16 17 18	ø10 ø8 ø5	2 2 24	12 10 374	12 10 374	12 10 374	398 394 92	796 788 2208	5.0 3.1 8.9	3.5
V 19	19 20 21	ø10 ø8 ø5	2 2 37	12 10 614	12 10 614	12 10 614	638 634 92	1276 1268 3404	8.0 5.0 14.3	5.8
V 20	22 23 24 25 26 27	ø10 ø8 ø8 ø5 ø5 ø5	2 2 2 2 2 17	12 10 374 245 380 242	12 10 374 245 380 242	12 10 374 245 380 242	398 398 390 271 92 82	796 510 780 542 2024 1394	5.0 2.0 3.1 2.1 3.2 2.2	5.9
V 22	28 29 30 31 32 33 34	ø10 ø8 ø10 ø8 ø8 ø5 ø5	2 2 2 2 2 11 25	12 12 559 280 559 205 110	12 12 559 280 559 205 110	12 12 559 280 559 205 110	583 280 571 205 120 92 98	1166 280 1142 205 120 1012 2450	7.3 1.1 7.2 0.8 0.5 1.6 3.8	5.9
V 23	35 36 37 38 39 40	ø10 ø10 ø8 ø8 ø5 ø5	2 2 2 2 11 59	12 12 979 263 980 260	12 12 979 263 980 260	12 12 979 263 980 260	1003 275 990 283 82 92	2006 550 1980 566 1312 5428	12.6 3.5 7.8 2.2 2.1 8.5	11.7
V 24	41 42 43	ø10 ø8 ø5	2 2 28	12 11 449	12 11 448	12 11 448	473 460 92	946 920 2576	5.9 3.6 10.5	4.0
V 25	44 45 46	ø10 ø8 ø5	2 2 11	12 11 174	12 11 174	12 11 174	198 196 92	396 392 1012	2.5 1.5 4.4	1.6
V 26	47 48 49 50 51 52 53	ø10 ø6,3 ø10 ø10 ø10 ø5 ø5	2 1 2 2 2 17 24	12 300 374 413 412 242 24	12 300 374 413 412 242 24	12 300 374 413 412 242 24	398 300 260 425 295 82 92	796 300 520 850 590 1394 2208	5.0 0.7 3.3 5.3 3.7 2.2 3.5	6.3
V 27	54 55 56	ø10 ø8 ø5	2 2 33	12 10 559	12 10 559	12 10 559	583 579 92	1166 1158 3036	7.3 4.5 13.0	4.8
V 28	57 58 59	ø10 ø8 ø5	2 2 27	12 10 449	12 10 449	12 10 449	473 469 92	946 938 2484	5.9 3.7 10.6	4.3
V 32	60 61 62 63	ø8 ø10 ø8 ø5	2 1 2 24	10 374 335 374	10 374 335 374	10 374 335 374	394 335 395 92	788 335 790 2208	3.1 2.1 3.1 3.5	3.9
V 33	64 65 66	ø10 ø8 ø5	2 2 14	12 10 224	12 10 224	12 10 224	248 244 92	496 488 1288	3.1 1.9 5.5	2.2
V 2=V 6	67 68 69	ø10 ø8 ø5	2 2 25	12 10 384	12 10 384	12 10 384	408 405 92	816 810 2300	5.1 3.2 9.1	4.0 3.6 18.2
Total:									290.8	115.8

APROVADO PELA PREFEITURA em PREFEITURA MUNICIPAL DE CARANDÁ	TÍTULO :	PROJETO ESTRUTURAL	
	OBRA :	CONSTRUÇÃO DA UNIDADE BÁSICA DE SAÚDE - ACAMPAMENTO	
	ENDEREÇO :	COMUNIDADE DE MATINADA S/N, CARANDÁ - MG	
	ÁREA CONSTRUÍDA	278,13 m²	OBJS.:
	PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE CARANDÁ - CNPJ 18.094.797 / 0001 - 07	
RESP. TÉCNICO :	WANDER RODRIGUES DA SILVA - CREA 61.660/D		USO: PÚBLICO
CONTEÚDO DA FOLHA:	Planta de Ferragem (vigamento da laje)		ESCALA: INDICADA
			DATA: OUTUBRO/2014
			FOLHA: 07/08