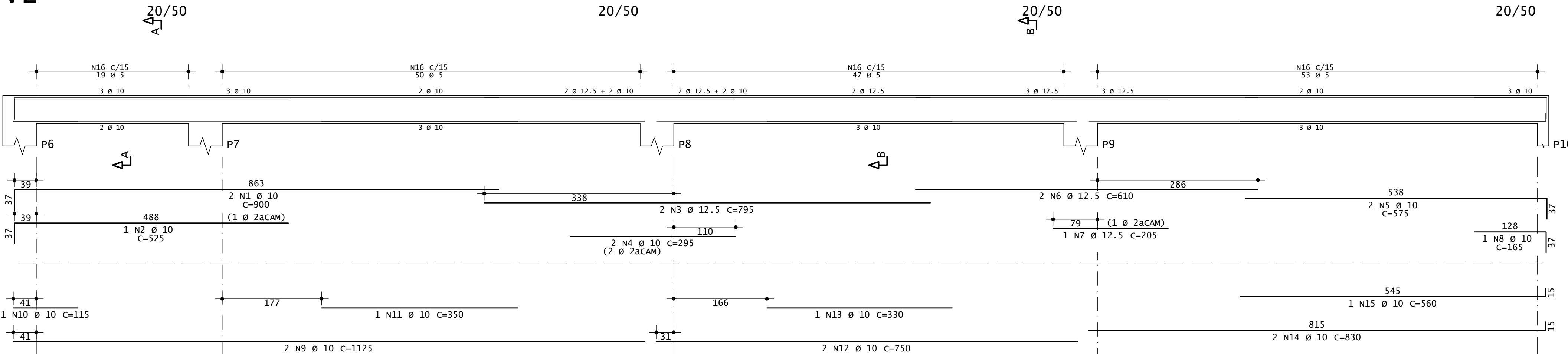
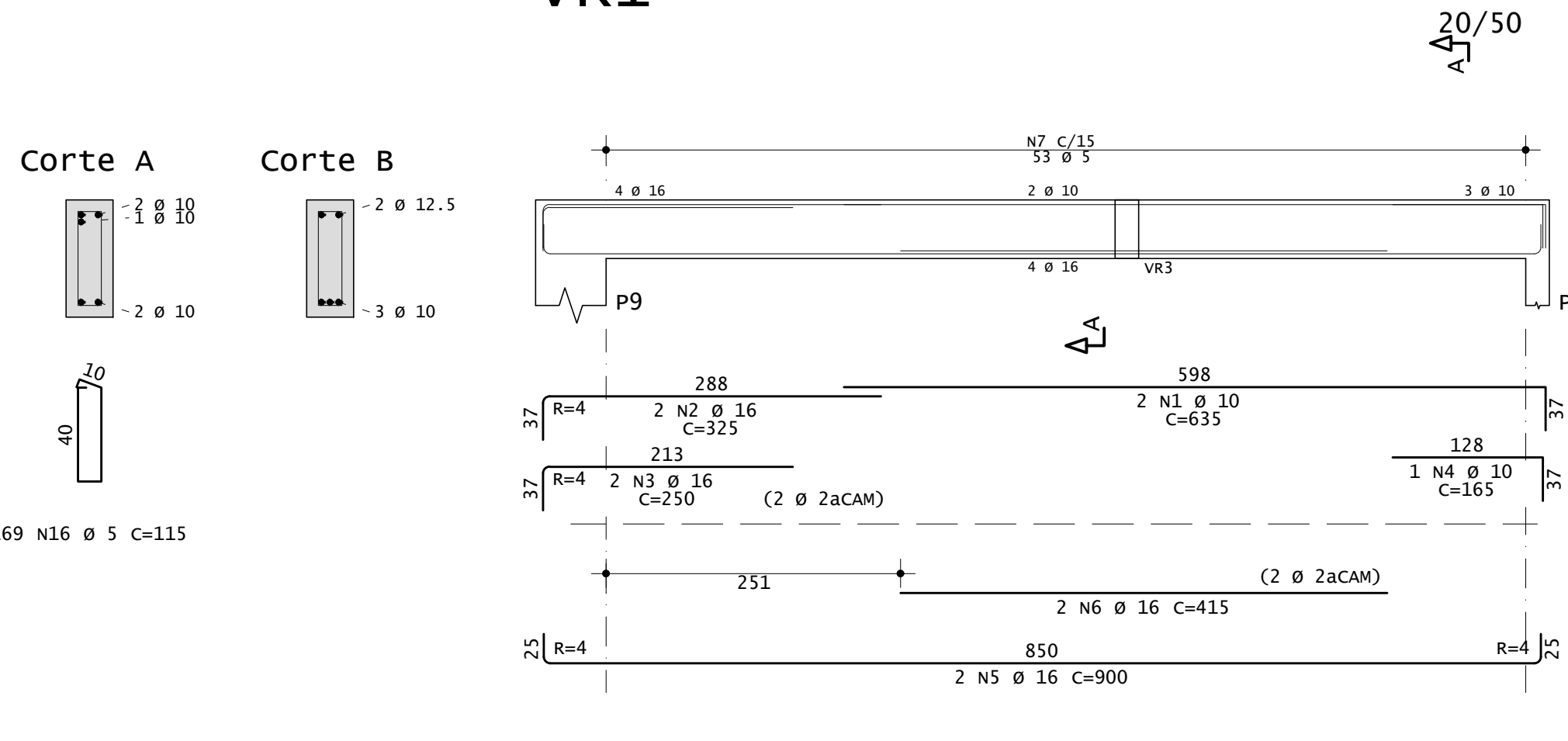


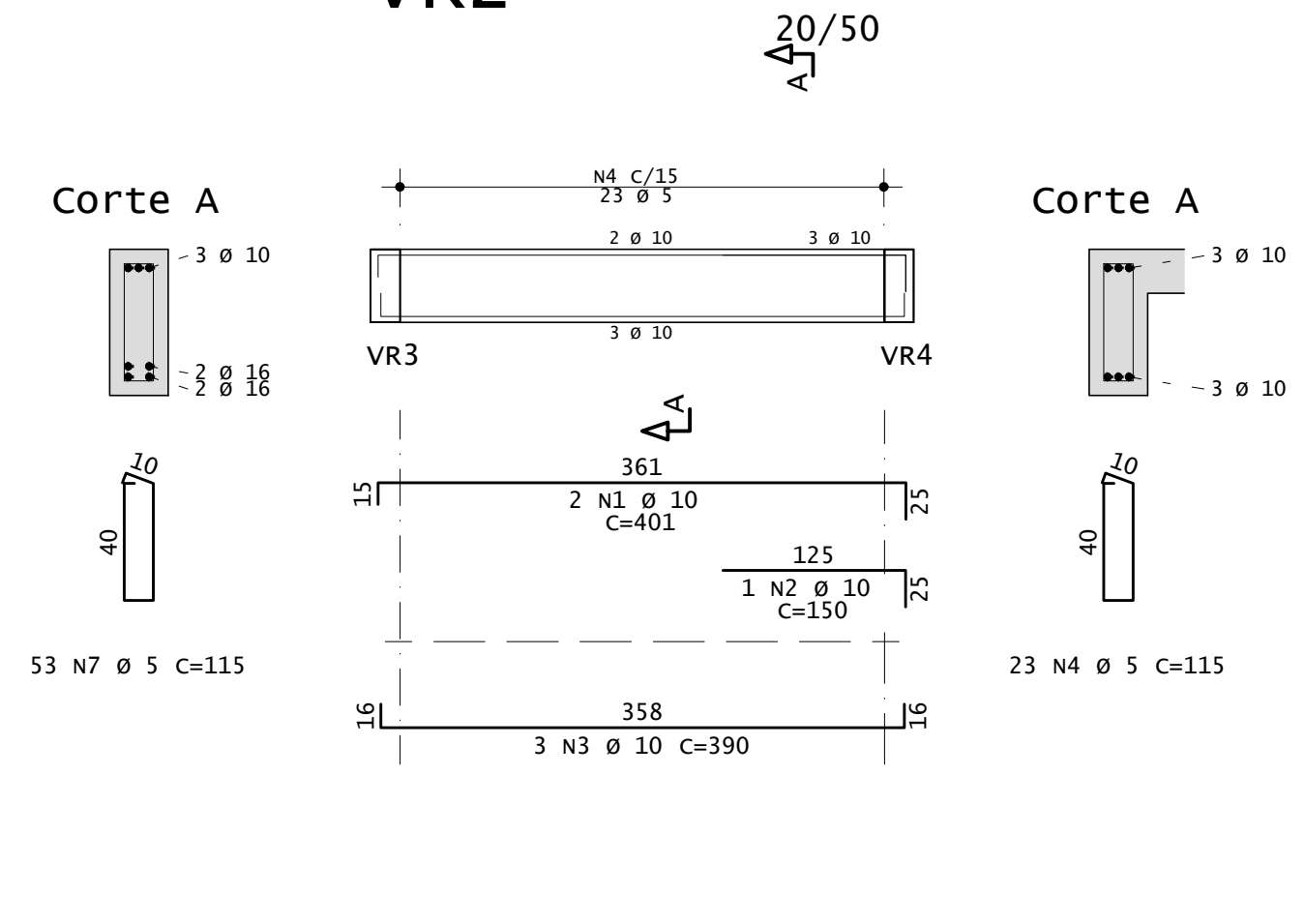
V2



VR1

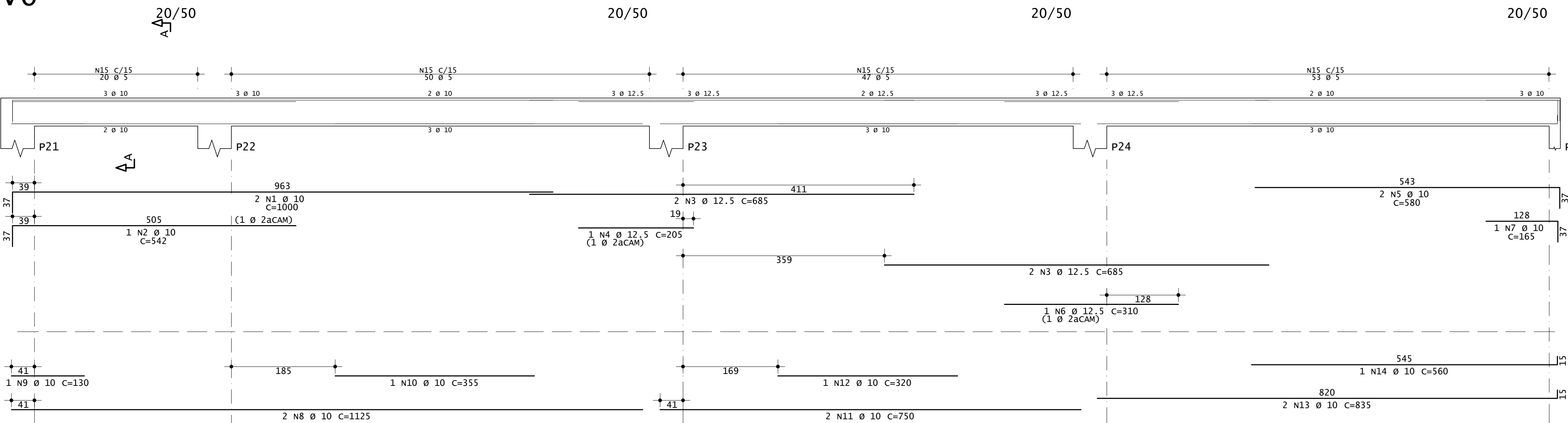


VR2

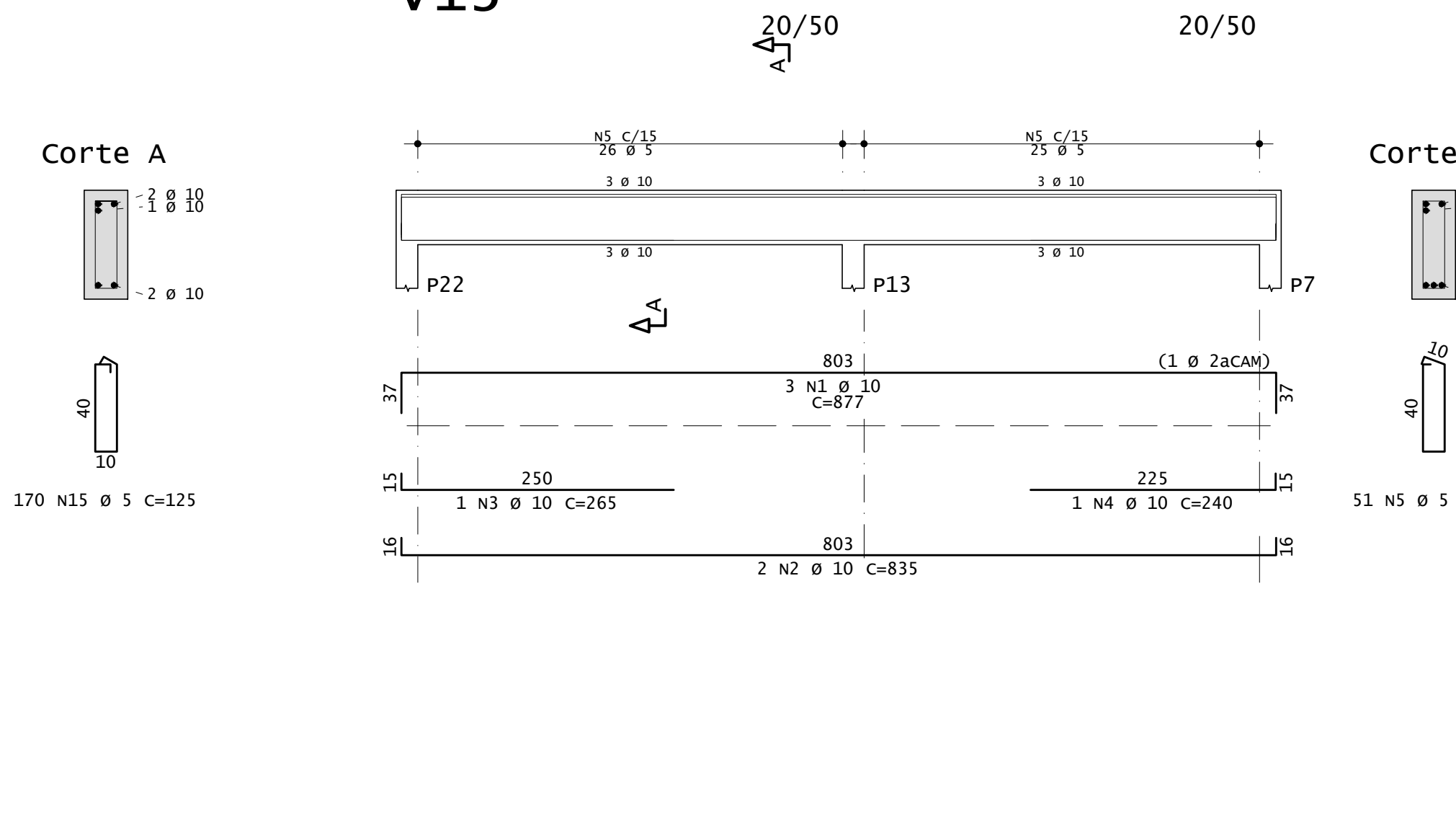


AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO (cm)	TOTAL (cm)
V1					
S0A	1	10	4	1000	4000
S0A	2	10	1	220	220
S0A	3	10	1	255	255
S0A	4	10	2	535	1070
S0A	5	10	1	570	570
S0A	6	10	1	450	450
S0A	7	10	1	305	305
S0A	8	10	2	745	1490
S0A	9	10	1	350	350
S0A	10	10	2	755	1510
S0A	11	10	1	345	345
S0A	12	10	2	380	760
S0A	13	10	1	180	180
S0A	14	5	146	115	16790
V2					
S0A	1	10	2	900	1800
S0A	2	10	1	525	525
S0A	3	12.5	1	125	125
S0A	4	10	2	785	1570
S0A	5	10	2	295	590
S0A	6	12.5	2	610	1220
S0A	7	12.5	2	205	410
S0A	8	10	1	165	165
S0A	9	10	2	1125	2250
S0A	10	10	1	115	115
S0A	11	10	1	350	350
S0A	12	10	2	750	1500
S0A	13	10	1	330	330
S0A	14	10	2	830	1660
S0A	15	10	1	560	560
S0A	16	5	169	115	19455
V4					
S0A	1	12.5	2	875	1750
S0A	2	16	2	705	1410
S0A	3	10	2	530	1060
S0A	4	12.5	2	650	1300
S0A	5	10	2	785	1570
S0A	6	10	1	160	160
S0A	7	10	1	165	165
S0A	8	10	1	1125	2250
S0A	9	10	1	115	115
S0A	10	10	1	315	315
S0A	11	10	2	800	1600
S0A	12	10	1	320	320
S0A	13	10	2	850	1700
S0A	14	10	2	585	1170
S0A	15	5	173	115	19895
V5					
S0A	2	10	1	1000	2000
S0A	3	10	1	645	645
S0A	4	12.5	2	980	1960
S0A	5	10	2	555	1110
S0A	6	10	2	465	930
S0A	7	10	1	310	310
S0A	8	10	2	740	1480
S0A	9	10	2	350	700
S0A	10	10	2	755	1510
S0A	11	10	2	360	720
S0A	12	10	1	140	140
S0A	13	5	146	125	18250
V6					
S0A	1	10	2	1000	2000
S0A	2	10	1	542	542
S0A	3	12.5	4	685	2740
S0A	4	12.5	1	205	205
S0A	5	10	2	580	1160
S0A	6	12.5	1	310	310
S0A	7	10	1	165	165
S0A	8	10	2	1125	2250
S0A	9	10	1	130	130
S0A	10	10	2	755	1510
S0A	11	10	2	320	640
S0A	12	10	2	835	1670
S0A	13	10	1	160	160
S0A	14	10	1	165	165
S0A	15	5	170	125	21250
V8					
S0A	1	10	2	870	1740
S0A	2	10	2	165	330
S0A	3	16	2	845	1690
S0A	4	16	2	495	990
S0A	5	5	52	115	5980
V9					
S0A	1	10	2	872	1744
S0A	2	10	2	215	430
S0A	3	16	2	845	1690
S0A	4	16	2	500	1000
S0A	5	5	52	115	5980
V10					
S0A	1	10	3	876	2628
S0A	2	10	2	830	1660
S0A	3	10	1	265	265
S0A	4	10	1	240	240
S0A	5	5	51	115	5865
V11					
S0A	1	10	2	875	1750
S0A	2	10	2	215	430
S0A	3	10	2	830	1660
S0A	4	10	1	575	575
S0A	5	5	52	115	5980
V12					
S0A	1	10	2	874	1748
S0A	2	10	2	215	430
S0A	3	10	2	830	1660
S0A	4	10	1	575	575
S0A	5	5	52	115	5980
V13					
S0A	1	10	3	877	2631
S0A	2	10	2	835	1670
S0A	3	10	1	265	265
S0A	4	10	1	240	240
S0A	5	5	51	115	5865
VR1					
S0A	1	10	2	635	1270
S0A	2	16	2	325	650
S0A	3	16	2	250	500
S0A	4	10	1	165	165
S0A	5	16	2	900	1800
S0A	6	16	2	415	830
S0A	7	5	53	115	6095
VR2					
S0A	1	10	2	401	802
S0A	2	10	1	150	150
S0A	3	10	3	390	1170
S0A	4	5	23	115	2645
VR3					
S0A	1	12.5	4	270	1080
S0A	2	10	3	473	1419
S0A	3	5	13	115	1495
VR4					
S0A	1	10	3	473	1419
S0A	2	10	1	190	190
S0A	3	10	3	405	1215
S0A	4	5	22	115	2530

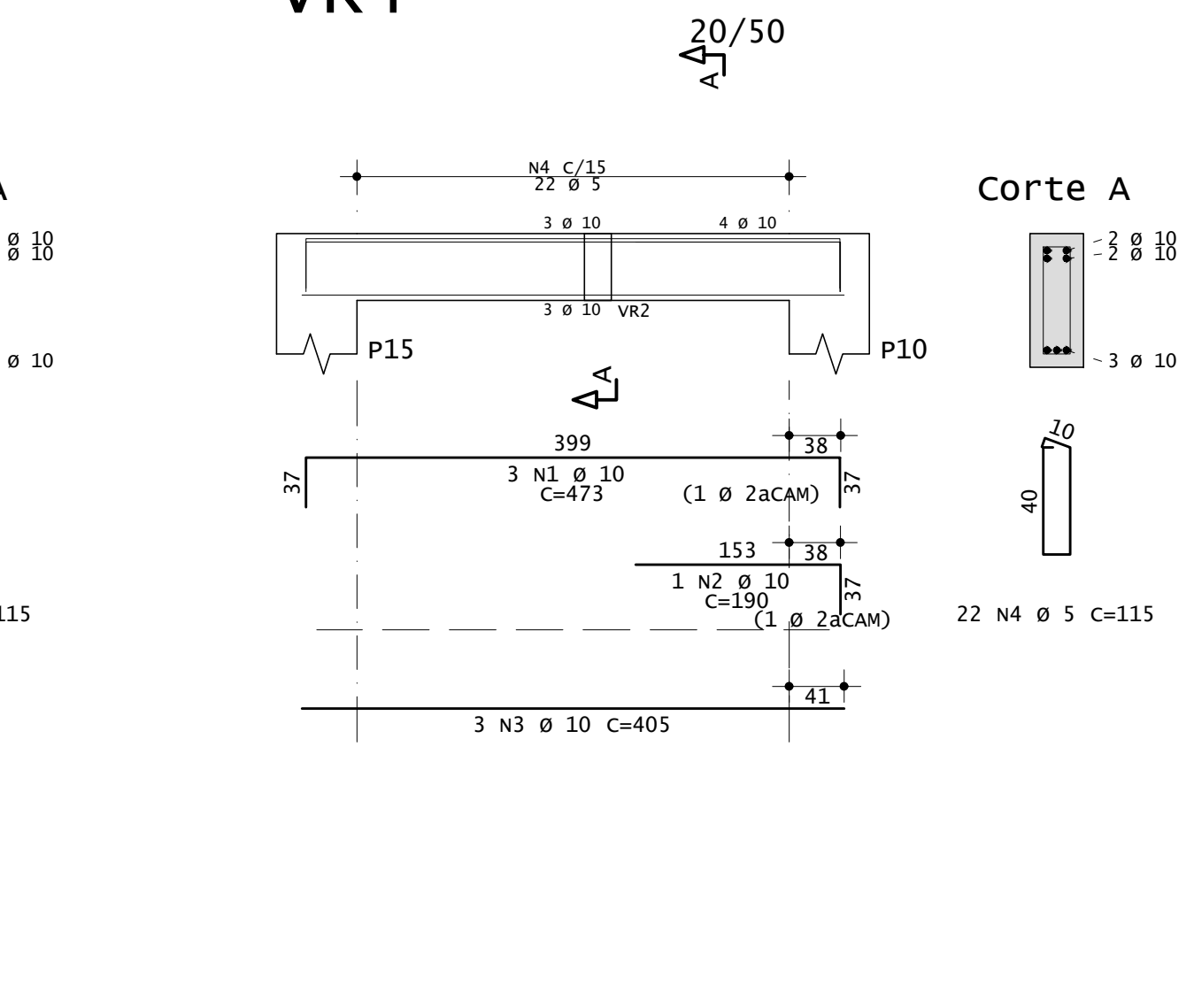
V6



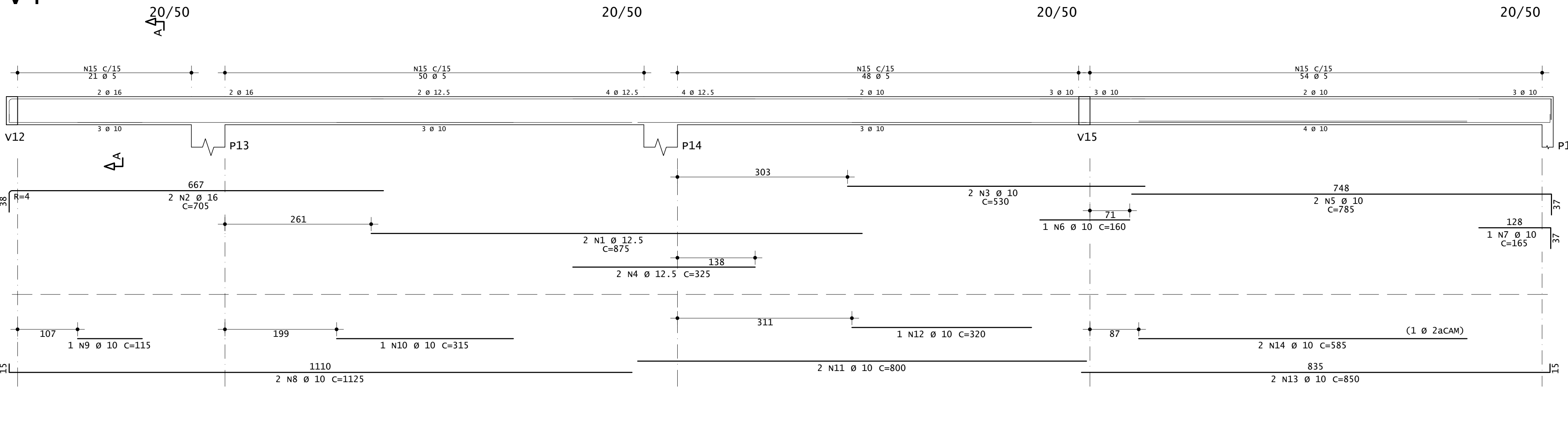
V13



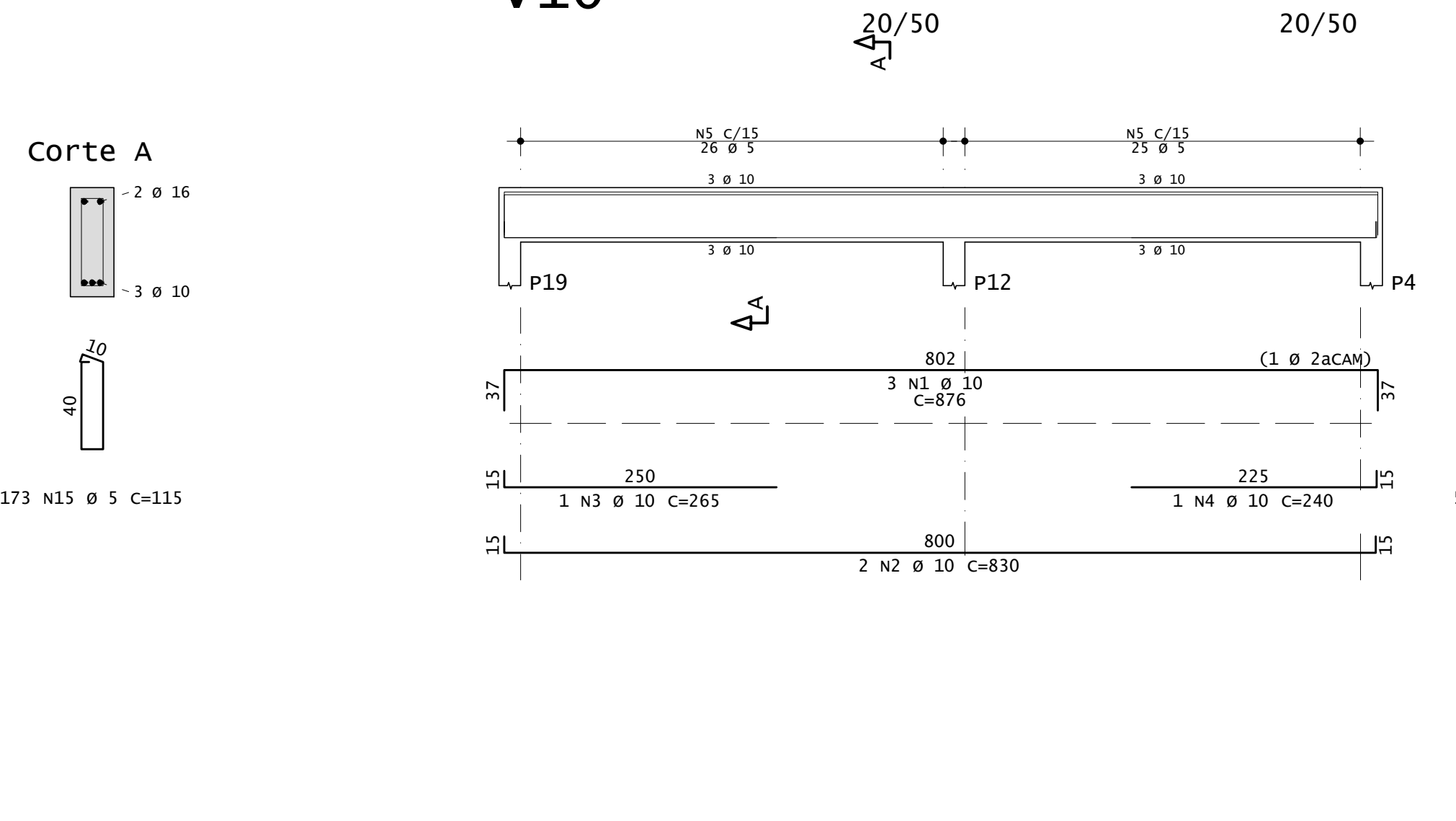
VR4



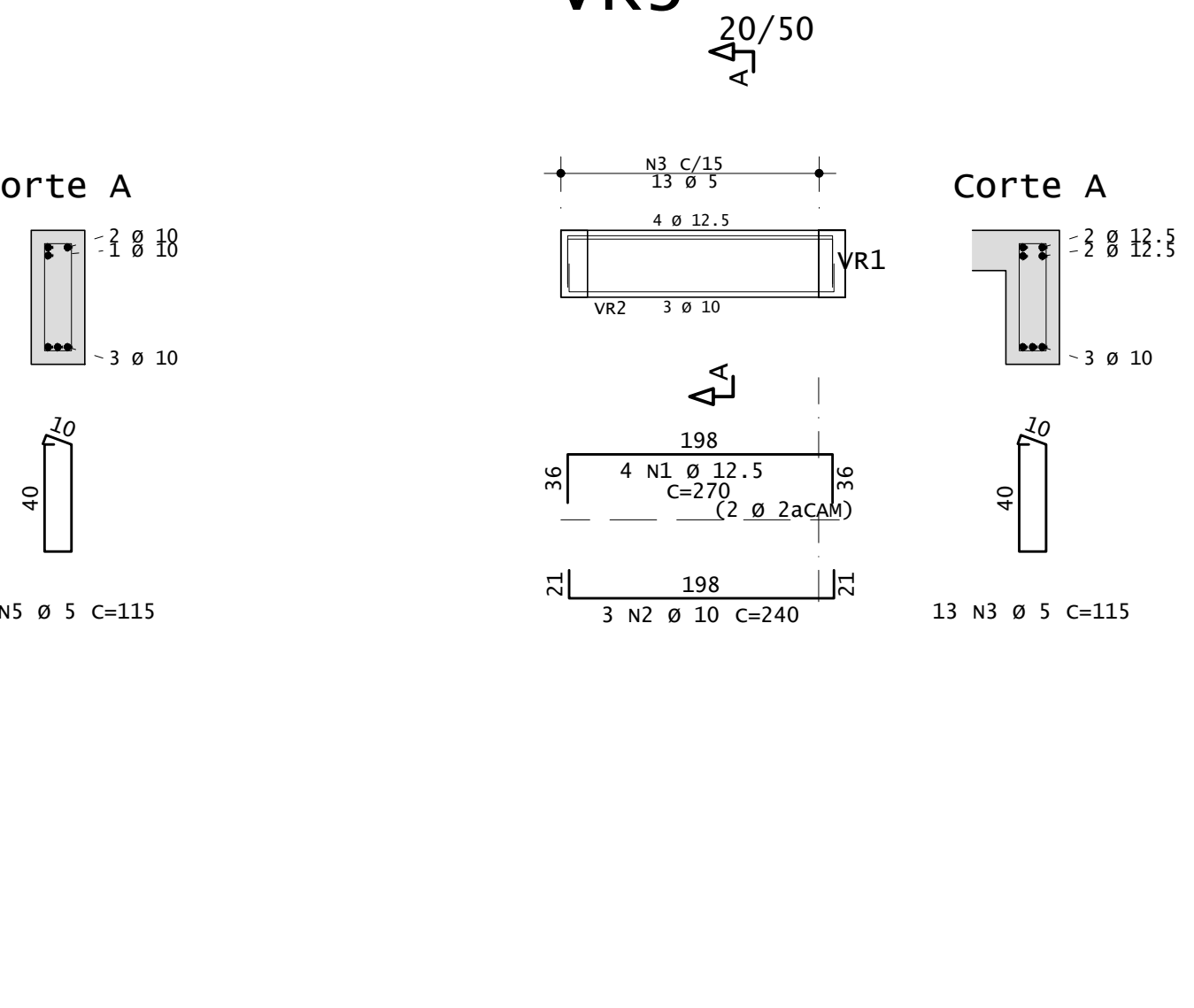
V4



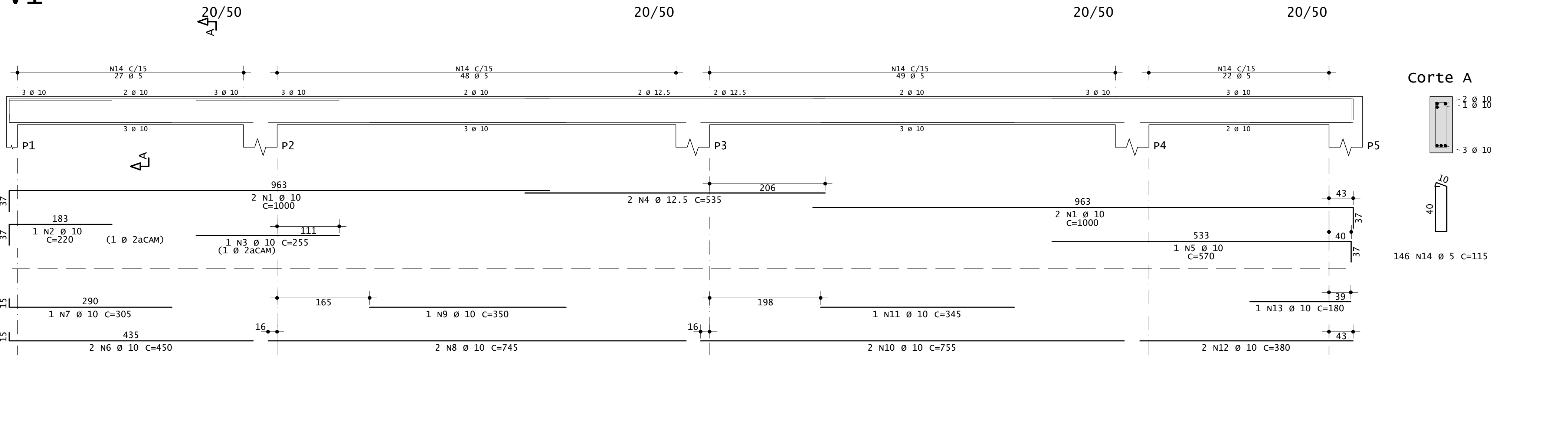
V10



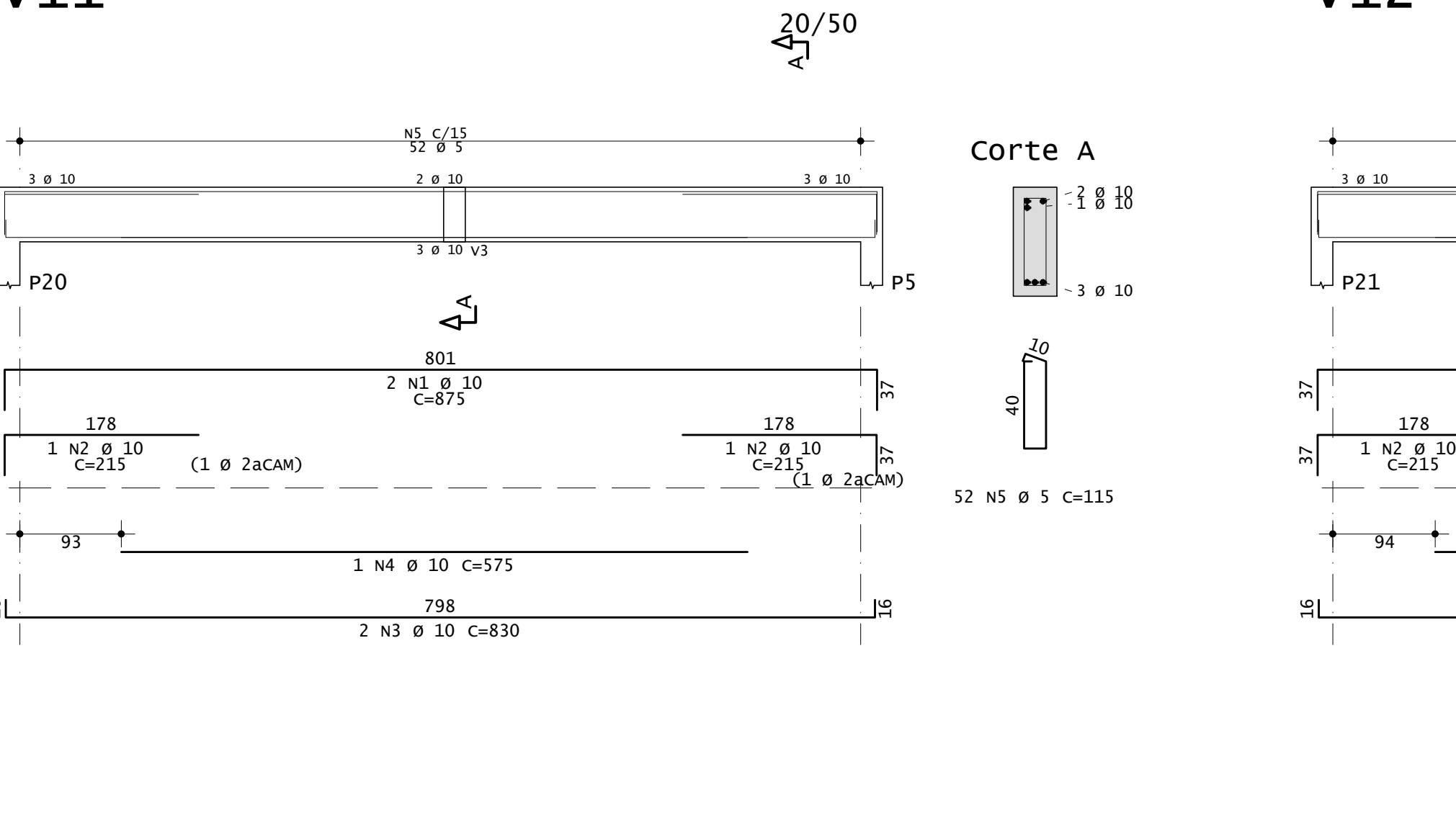
VR3



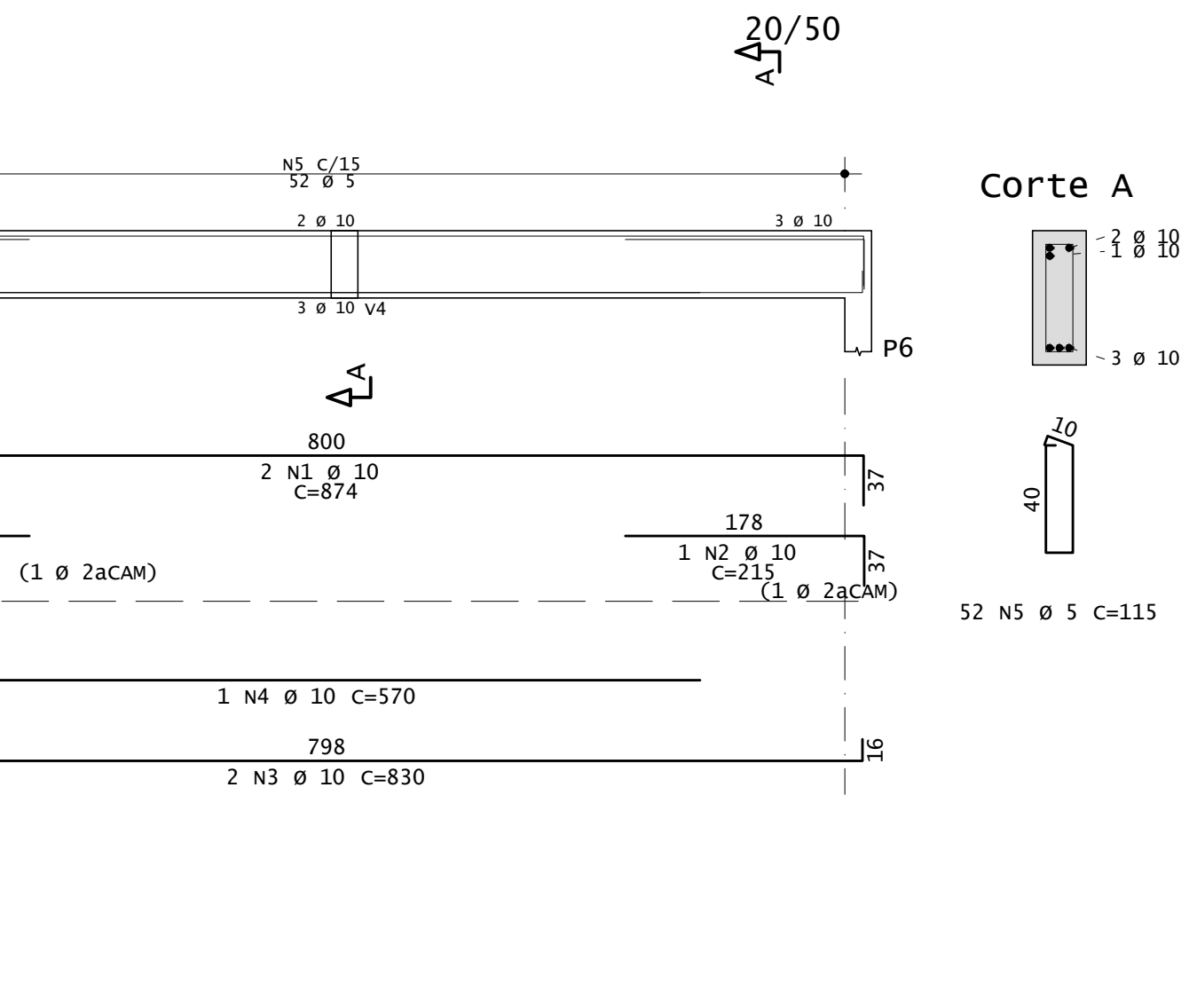
V1



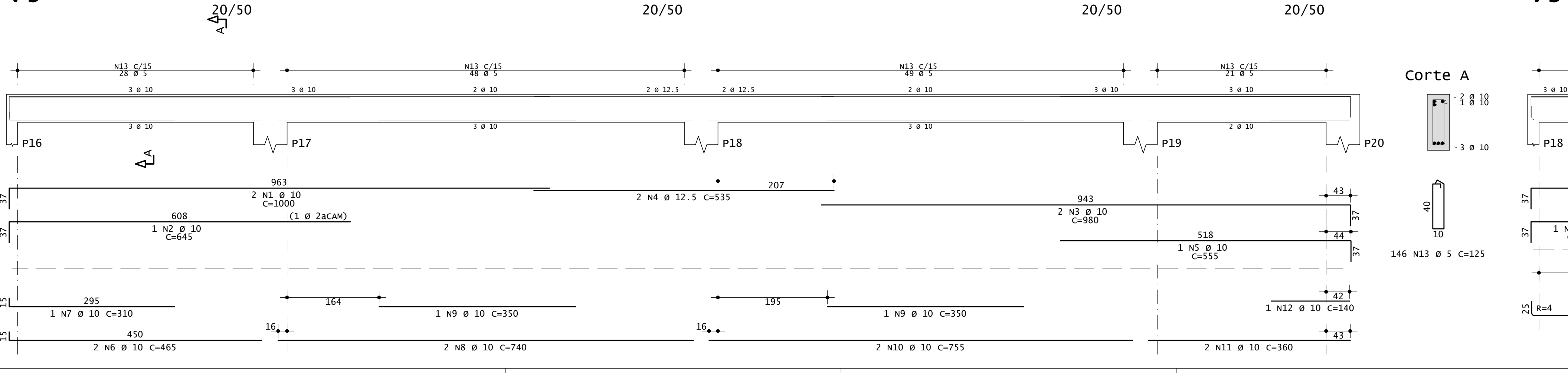
V11



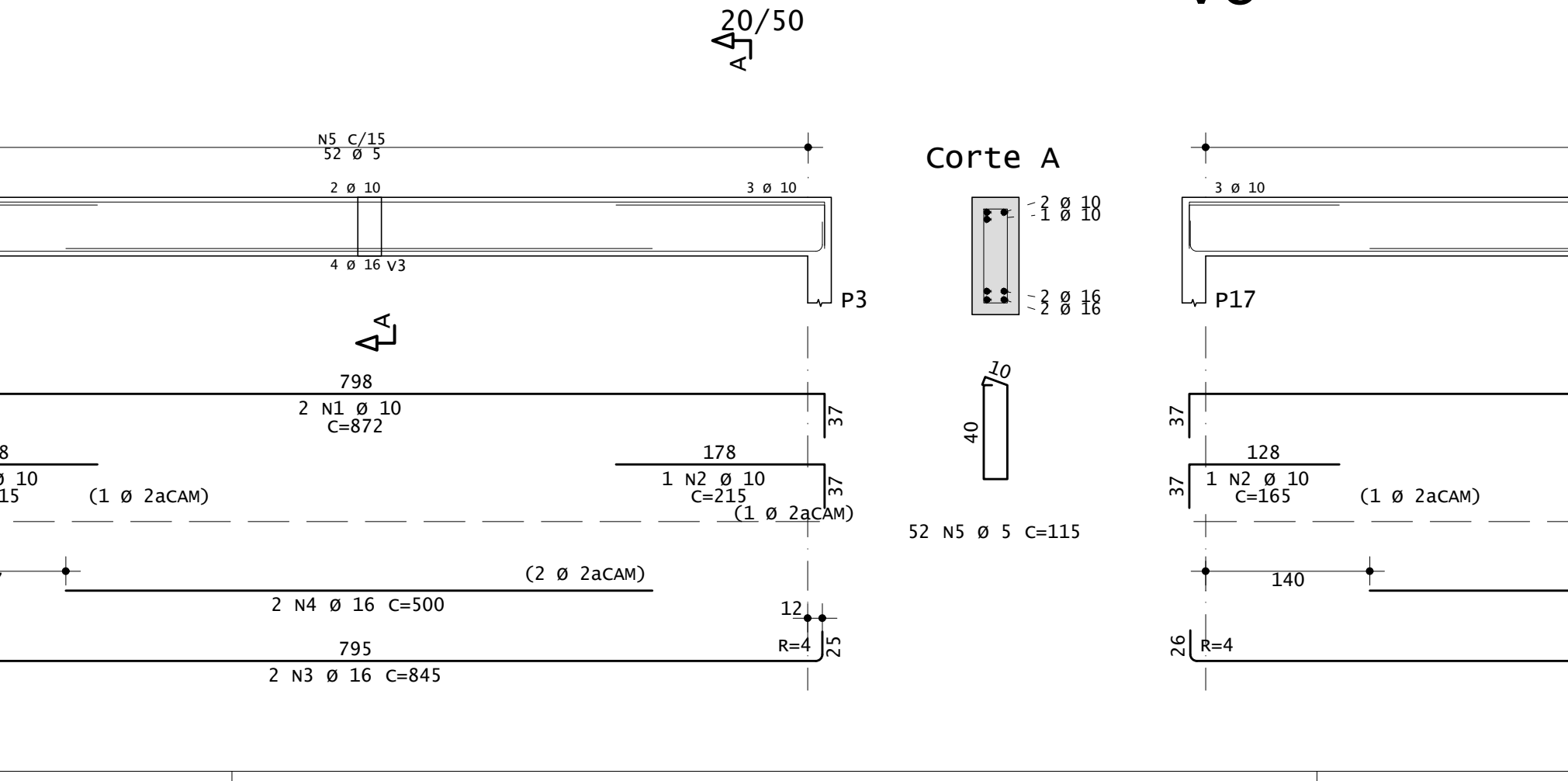
V12



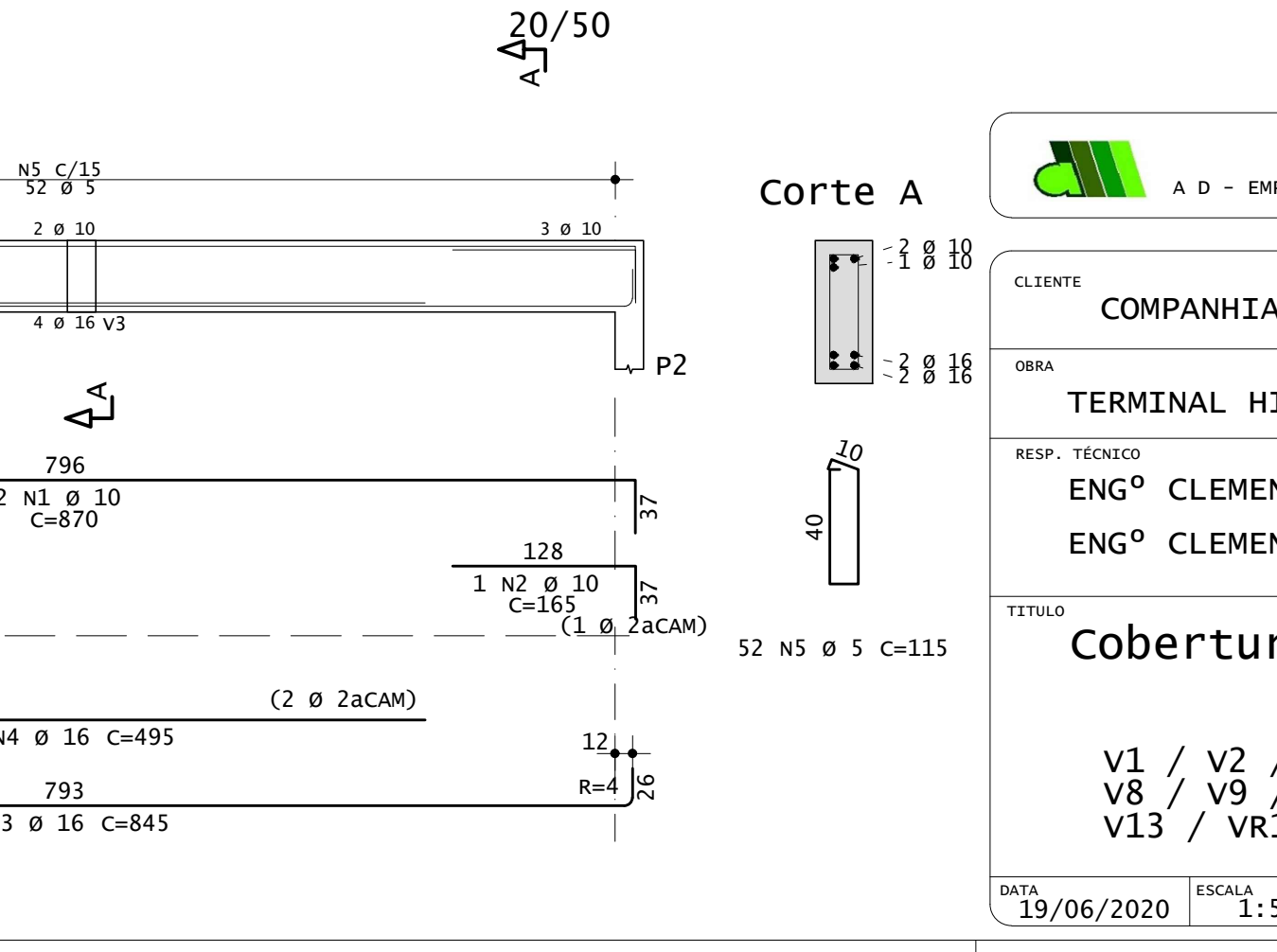
V5



V9



V8



RESUMO AÇO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
S0A	5	1440	222
S0A	10	837	516
S0A	12.5	119	115
S0A	16	106	167
Peso Total			222 kg
Peso Total			50A = 797 kg

A D - EMPREENDIMENTOS, PROJETOS E CONSTRUÇÃO LTDA			
CLIENTE	COMPANHIA DE PORTOS E HIDROVIAS - CPH		
OBRA	TERMINAL HIDROVIÁRIO DE PORTEL		
RESP. TÉCNICO	ENGº CLEMENTINO FILHO - CREA 5571-D/PA		
TÍTULO	Cobertura - Armadura vigamento		
DATA	19/06/2020	ESCALA	1:50
DESENHO	PORTEL-COB-VIG-004-R00		
CONCEITO	C40/40MPa		

004

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