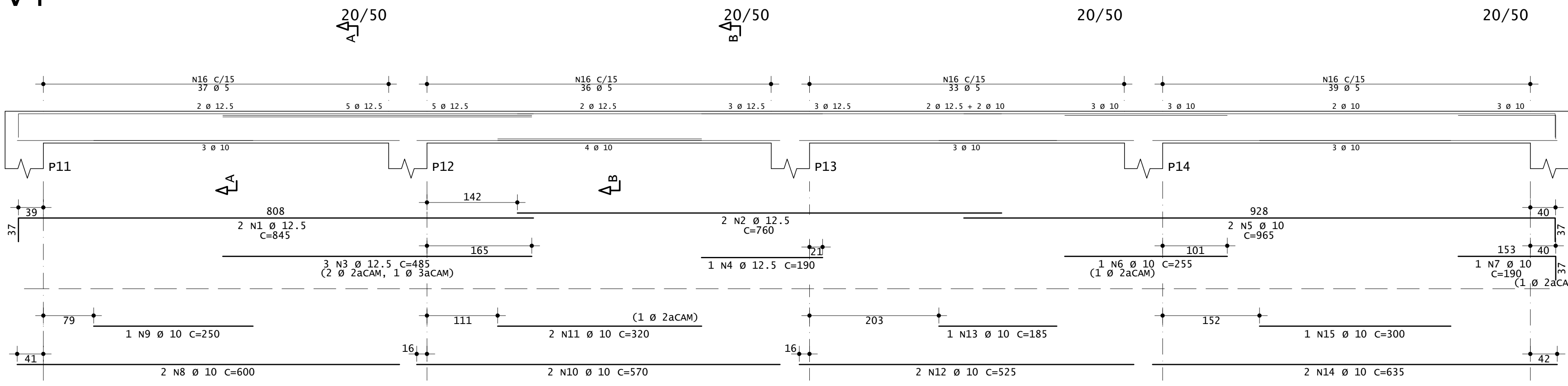
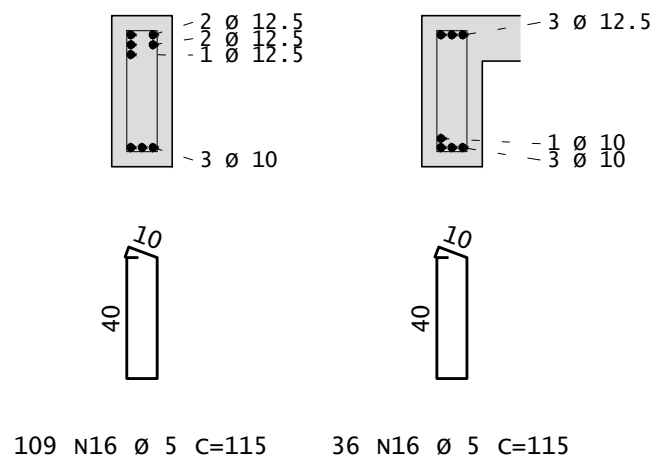


v4

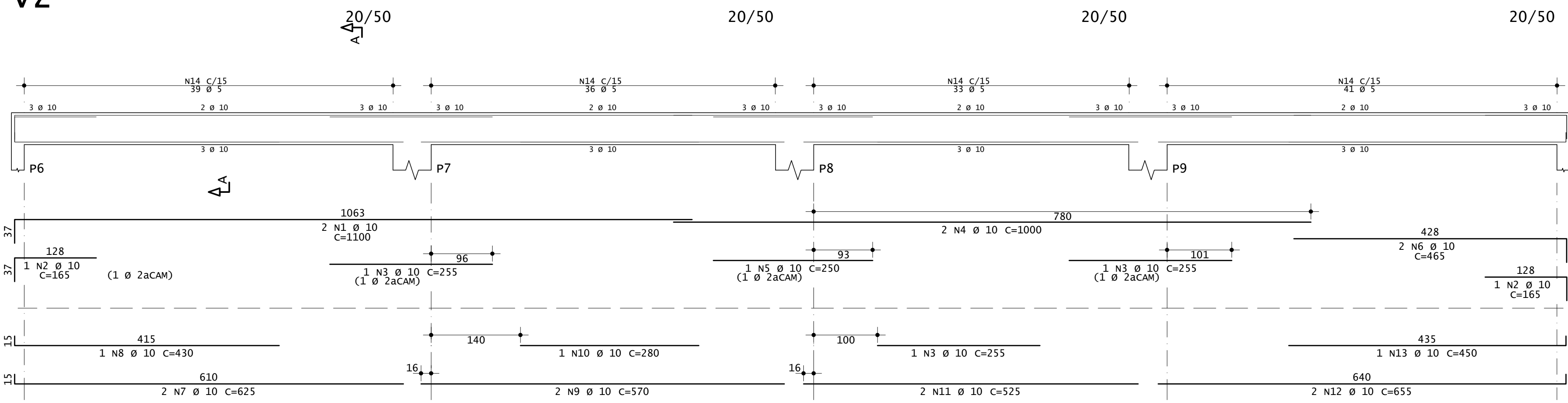


Corte A

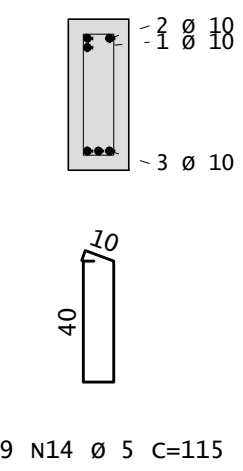
Corte B



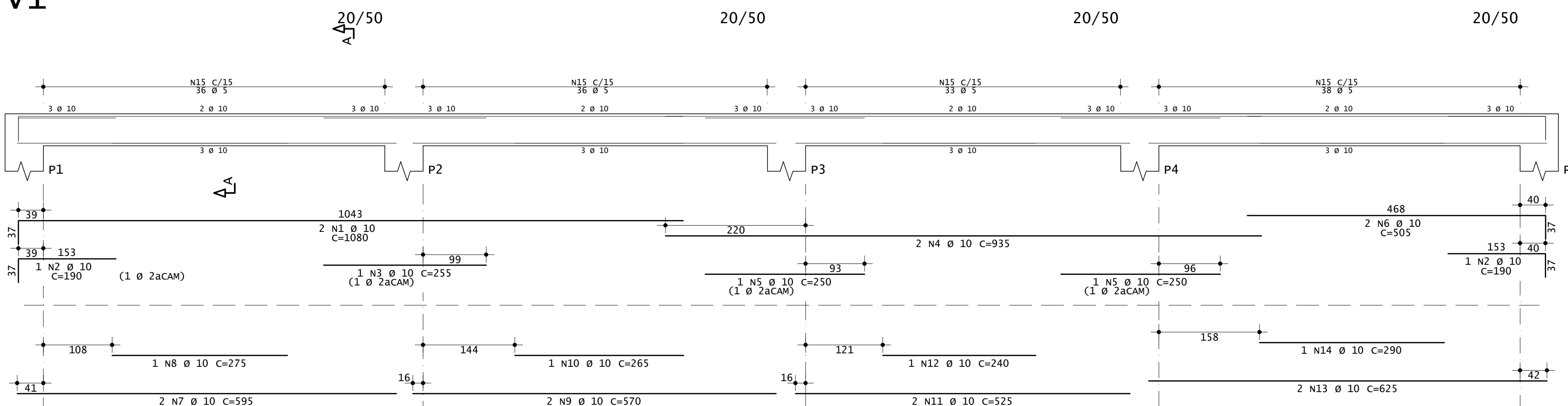
v2



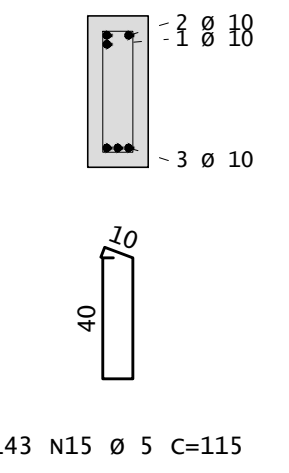
Corte A



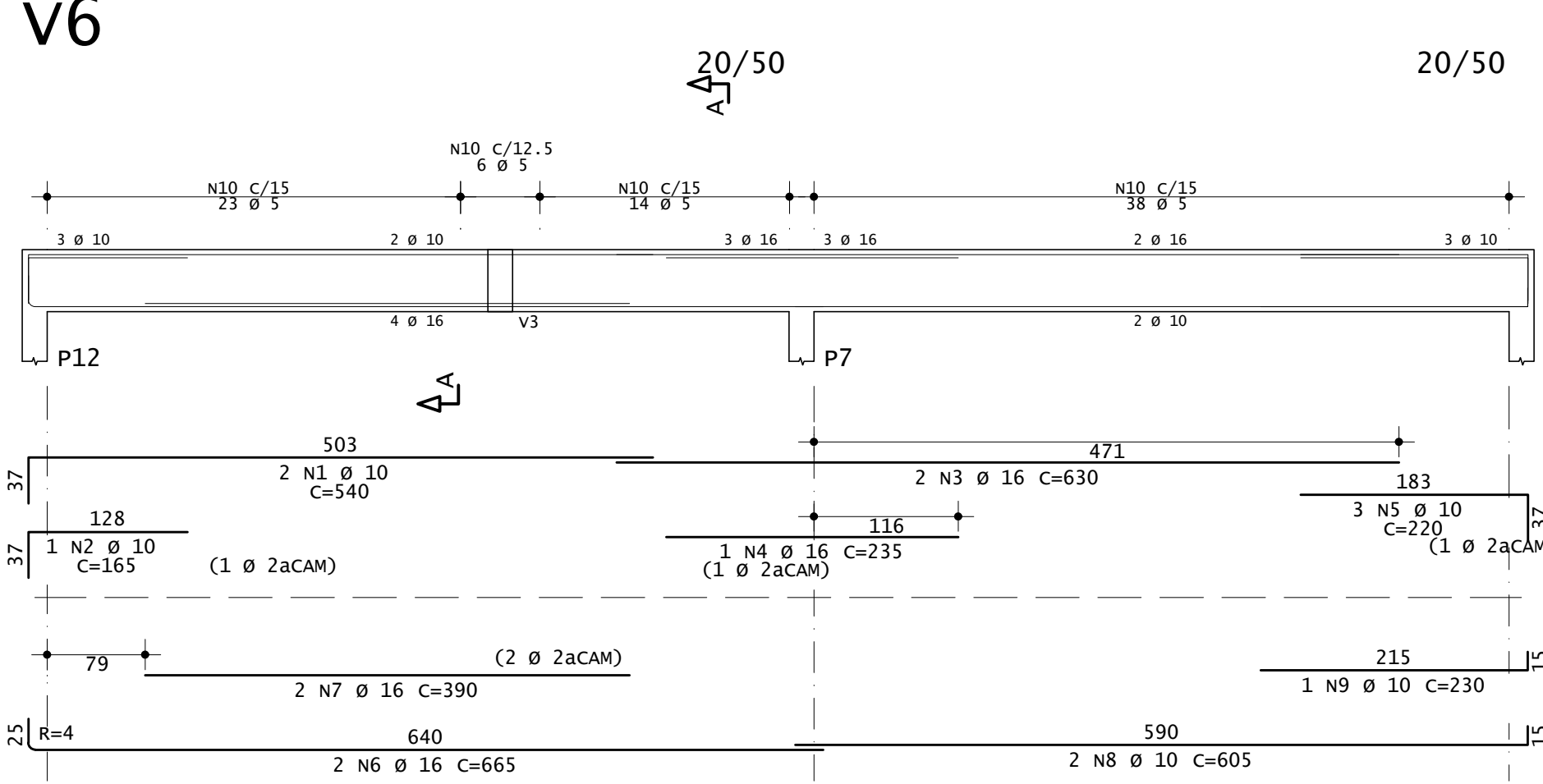
v1



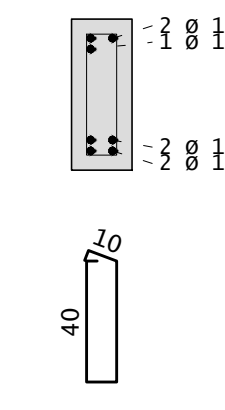
Corte A



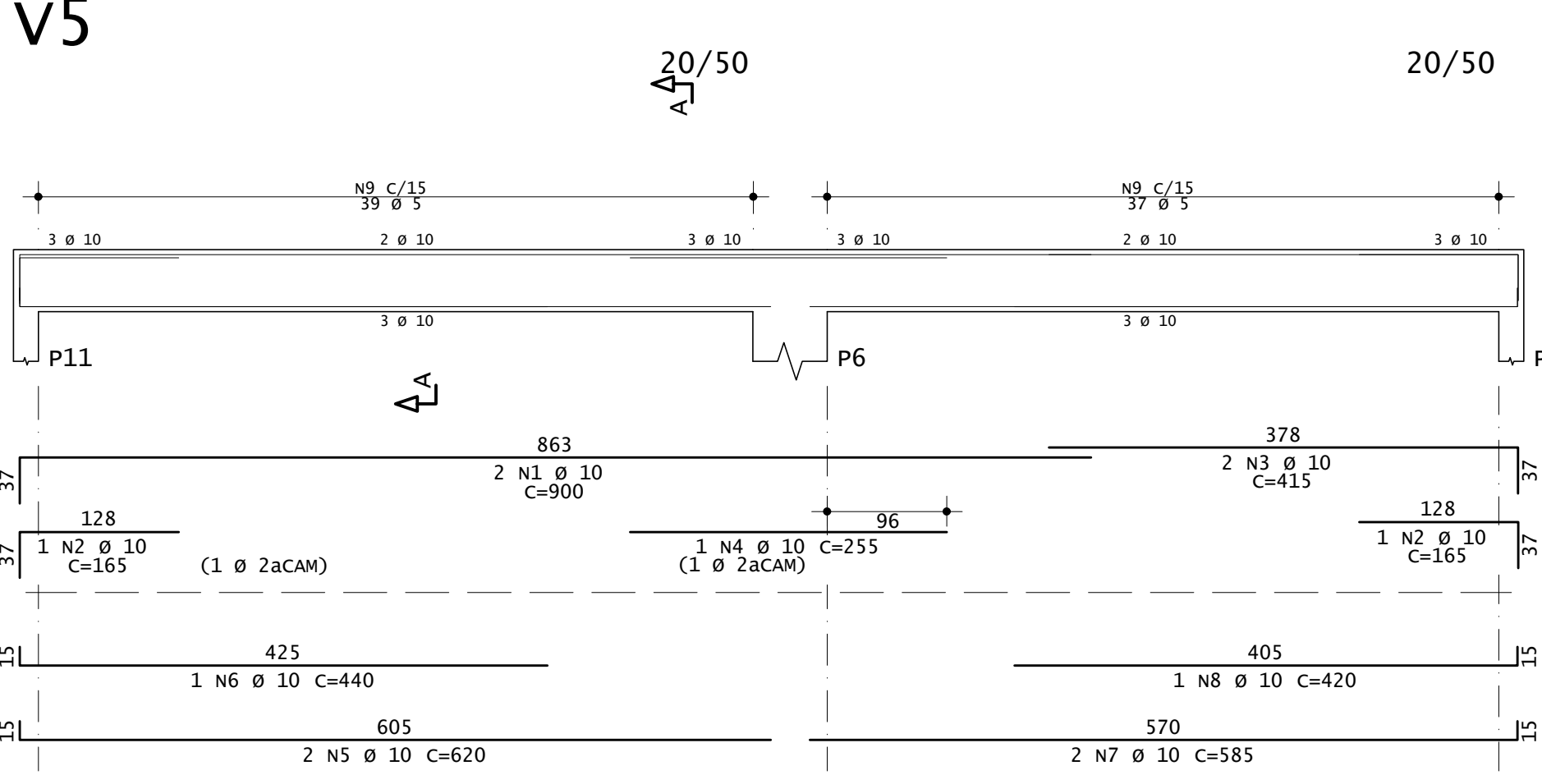
v6



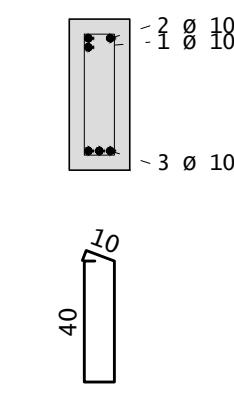
corte A



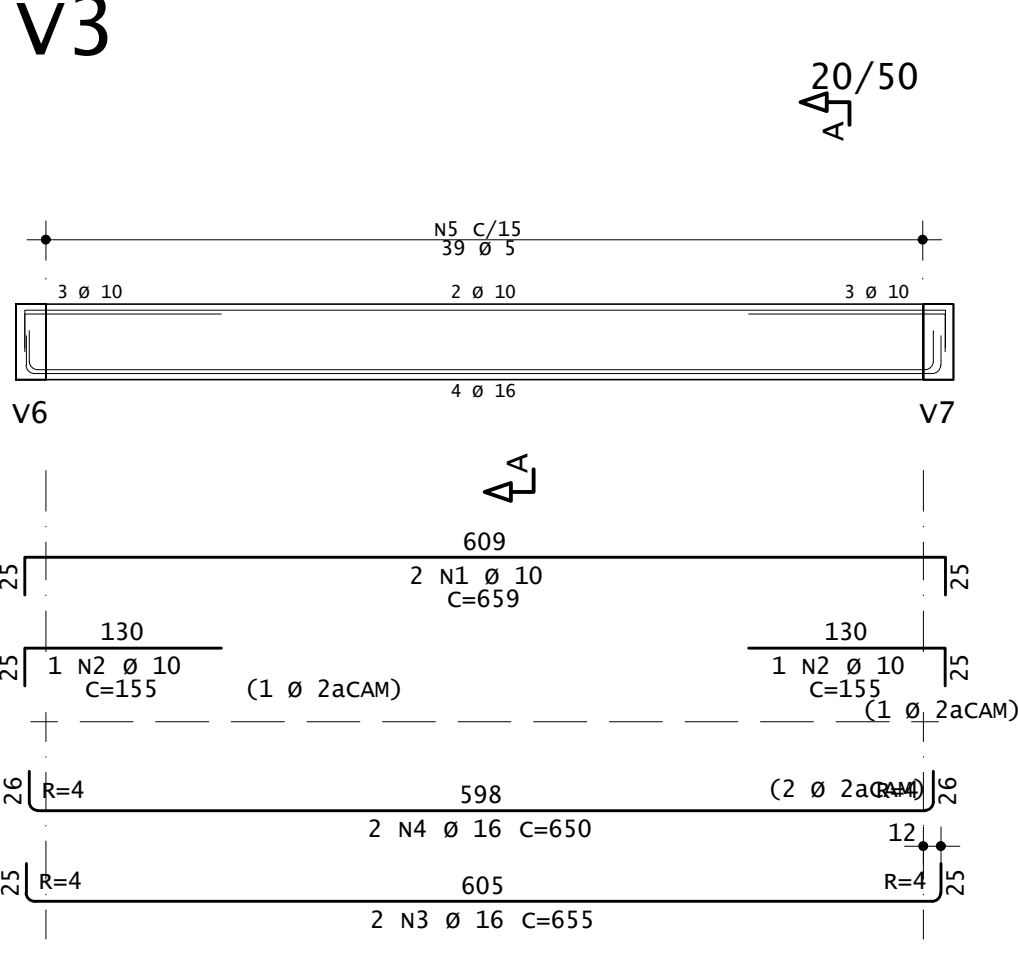
v5



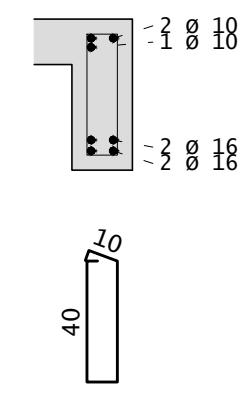
Corte A



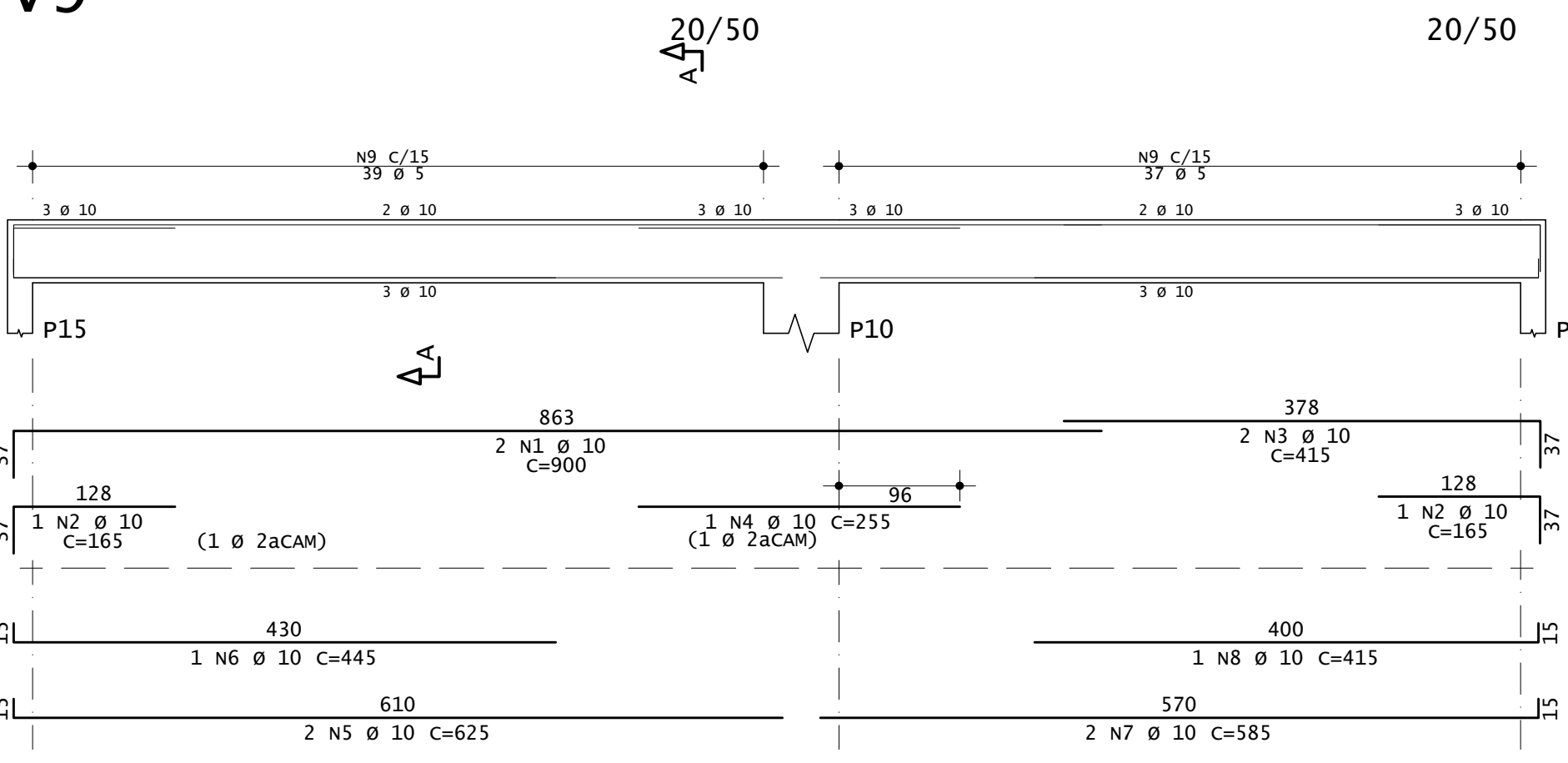
v3



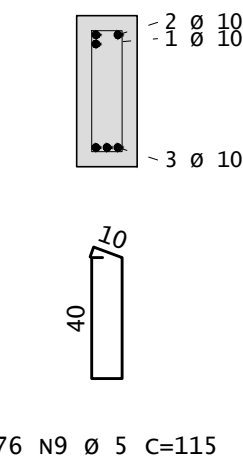
Corte A



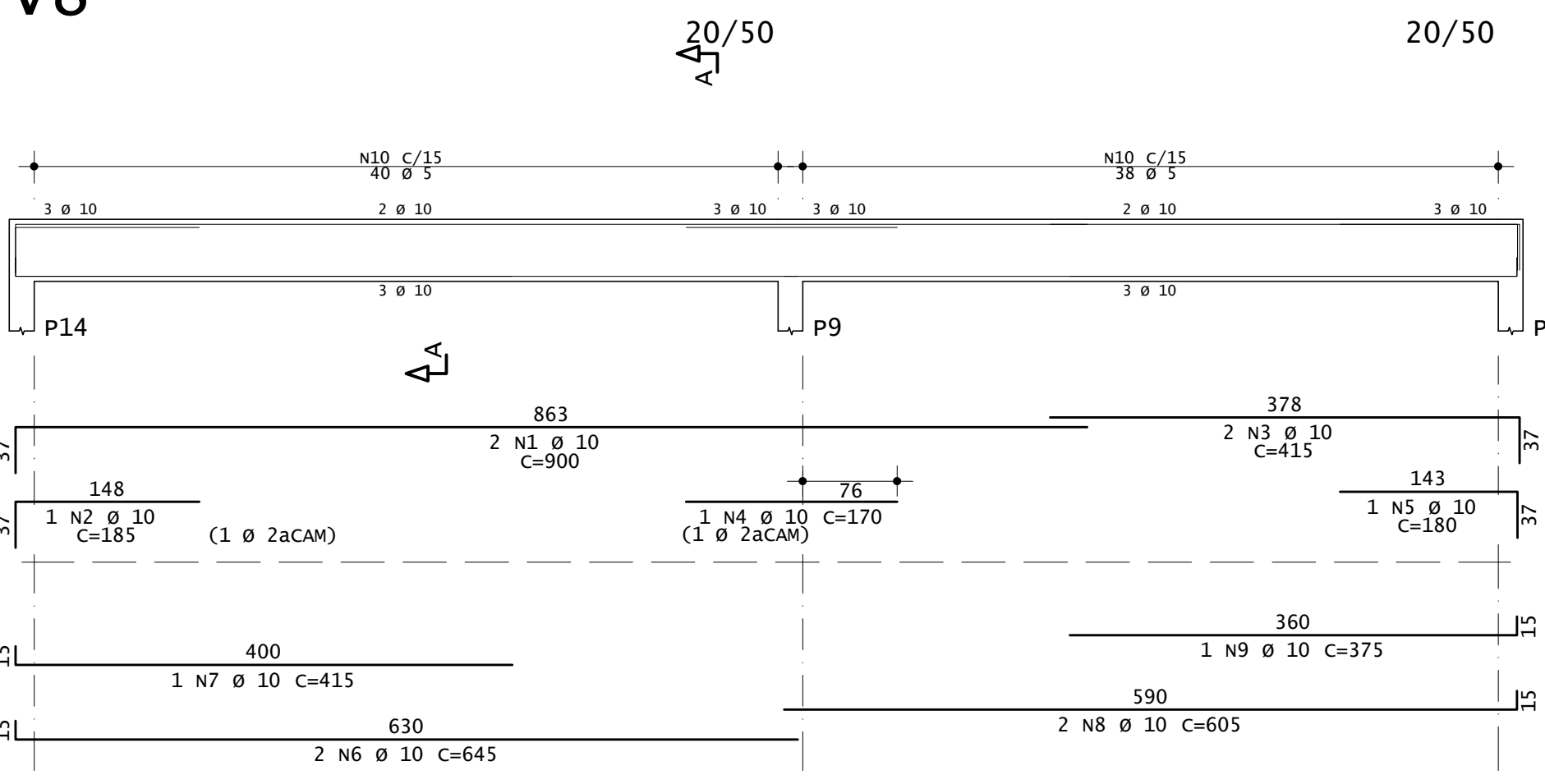
v9



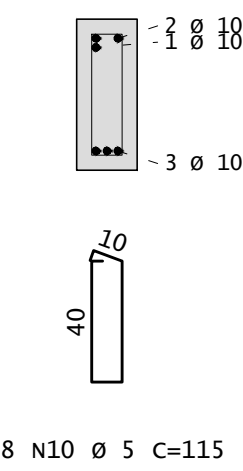
Corte A



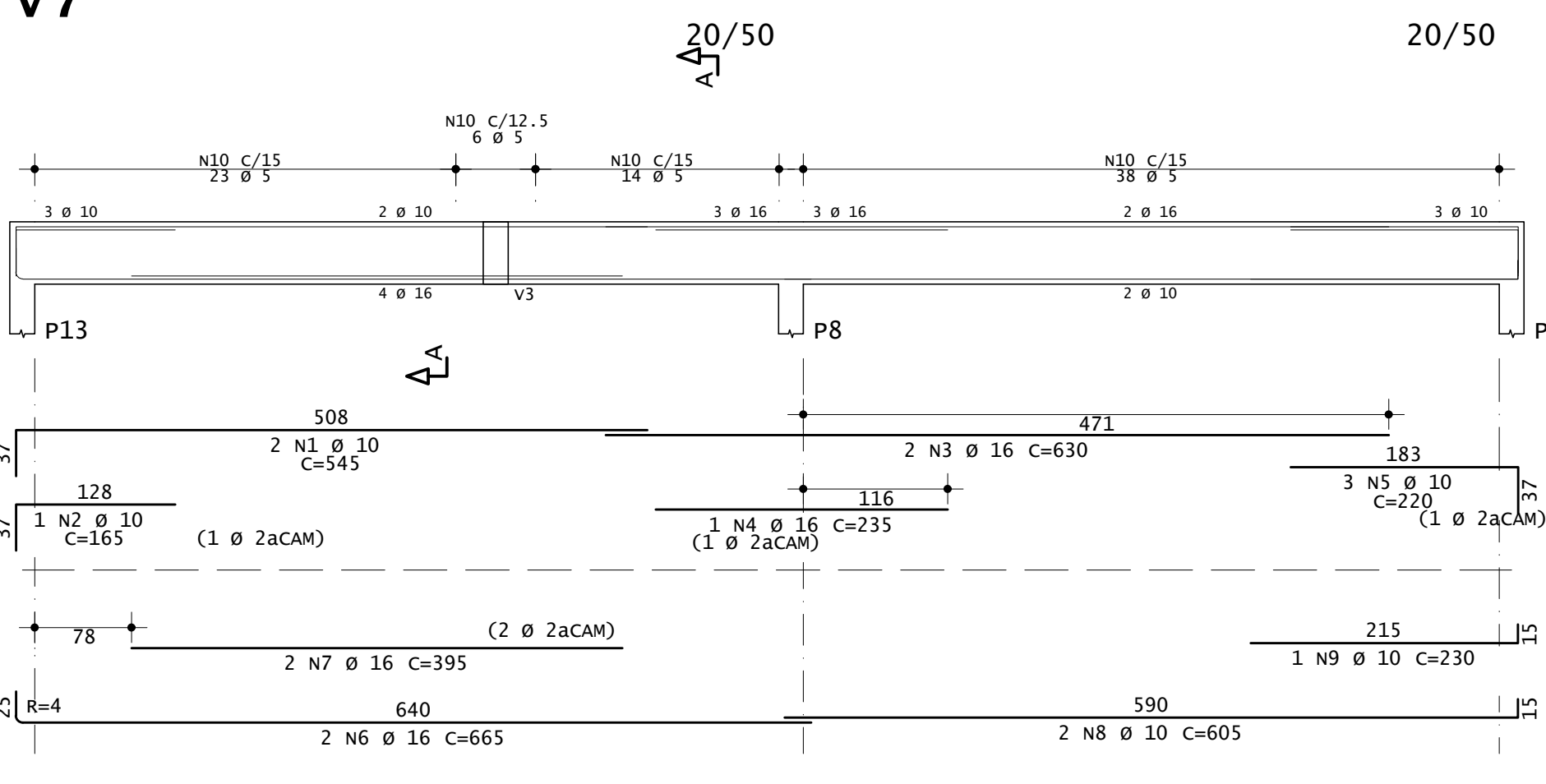
v8



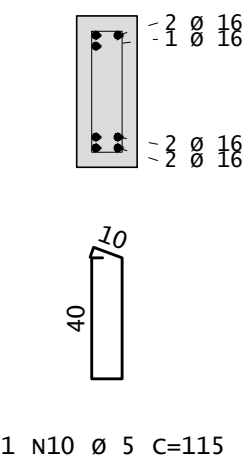
Corte A



v7



Corte A



AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO (cm)	UNIT (cm)	TOTAL (cm)
v1						
50A	1	10	2	1080	2160	
50A	2	10	2	130	260	
50A	3	10	1	255	255	
50A	4	10	2	915	1830	
50A	5	10	2	250	500	
50A	6	10	2	50	100	
50A	7	10	2	395	790	
50A	8	10	1	275	275	
50A	11	10	2	570	1140	
50A	10	10	1	265	265	
50A	13	10	2	525	1050	
50A	12	10	1	240	240	
50A	13	10	2	625	1250	
50A	14	10	1	290	290	
60A	15	5	149	115	16445	
v2						
50A	1	10	2	1100	2200	
50A	2	10	2	165	330	
50A	3	10	3	255	765	
50A	4	10	2	1000	2000	
50A	5	10	1	250	250	
50A	8	10	2	465	930	
50A	7	10	2	625	1250	
50A	9	10	2	430	860	
50A	10	10	1	270	270	
50A	11	10	2	185	370	
50A	12	10	2	280	560	
50A	13	10	2	525	1050	
50A	12	10	2	655	1310	
50A	13	10	1	450	450	
60A	14	5	149	115	17135	
v3						
50A	1	10	2	659	1318	
50A	2	10	2	155	310	
50A	3	16	2	655	1310	
50A	4	16	2	650	1300	
60A	5	5	39	115	4485	
v4						
50A	1	12.5	2	845	1690	
50A	2	12.5	2	760	1520	
50A	3	12.5	3	485	1455	
50A	4	12.5	1	390	390	
50A	5	10	2	965	1930	
50A	6	10	1	255	255	
50A	7	10	1	190	190	
50A	8	10	2	600	1200	
50A	9	10	1	250	250	
50A	10	10	2	570	1140	
50A	11	10	2	320	640	
50A	12	10	1	52	104	
50A	13	10	1	185	185	
50A	14	10	2	635	1270	
50A	15	10	1	300	300	
60A	16	5	145	115	16675	
v5						
50A	1	10	2	900	1800	
50A	2	10	2	165	330	
50A	3	10	2	415	830	
50A	4	10	1	255	255	
50A	5	10	2	620	1240	
50A	6	10	1	440	440	
50A	8	10	1	585	585	
50A	8	10	1	420	420	
60A	9	5	76	115	8740	
v6						
50A	1	10	2	540	1080	
50A	2	10	1	165	165	
50A	3	16	2	630	1260	
50A	4	16	1	235	235	
50A	5	10	3	220	660	
50A	6	16	2	665	1330	
50A	7	16	2	390	780	
50A	8	10	2	605	1210	
50A	9	10	1	230	230	
60A	10	5	81	115	9315	
v7						
50A	1	10	2	545	1090	
50A	2	10	1	165	165	
50A	3	16	2	630	1260	
50A	4	16	1	235	235	
50A	5	10	3	220	660	
50A	6	16	2	665	1330	
50A	7	16	2	395	790	
50A	8	10	2	605	1210	
50A	9	10	1	230	230	
60A	10	5	81	115	9315	
v8						
50A	1	10	2	900	1800	
50A	2	10	1	185	185	
50A	3	10	2	415	830	
50A	4	10	1	170	170	
50A	5	10	1	180	180	
50A	6	10	2	645	1290	
50A	7	10	1	415	415	
50A	8	10	2	605	1210	
50A	9	10	1	375	375	
60A	10	5	78	115	8970	
v9						
50A	1	10	2	900	1800	
50A	2	10	2	165	330	
50A	3	10	2	415	830	
50A	4	10	1	255	255	
50A	5	10	2	625	1250	
50A	6	10	1	445	445	
50A	7	10	2	585	1170	
50A	8	10	1	415	415	
60A	9	5	76	115	8740	

AÇO	RESUMO BIT (mm)	AÇO CA (mm)	50-60 COMPR (m)	PESO (kg)
60A	5		998	154
50A	10		604	373
50A	12.5		49	47
50A	16		98	155
Peso Total				60A = 154 kg
Peso Total				50A = 575 kg

A D - EMPREENDIMENTOS, PROJETOS E CONSTRUÇÃO LTDA

CLIENTE COMPANHIA DE PORTOS E HIDROVIAS - CPH

OBRA TERMINAL HIDROVIÁRIO DE CHAVES

RESP. TÉCNICO ENGº CLEMENTINO FILHO - CREA 5571-D/PA

ENGº CLEMENTINO NETTO - CREA 1515122280

TÍTULO Cobertura - Armadura vigamento

v1 / v2 / v3 / v4 / v5
v6 / v7 / v8 / v9

DATA 19/06/2020 ESCALA 1:50 DESENHO CHAVES-COB-VIG-006-000 CONCRET. C15-40MPa

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