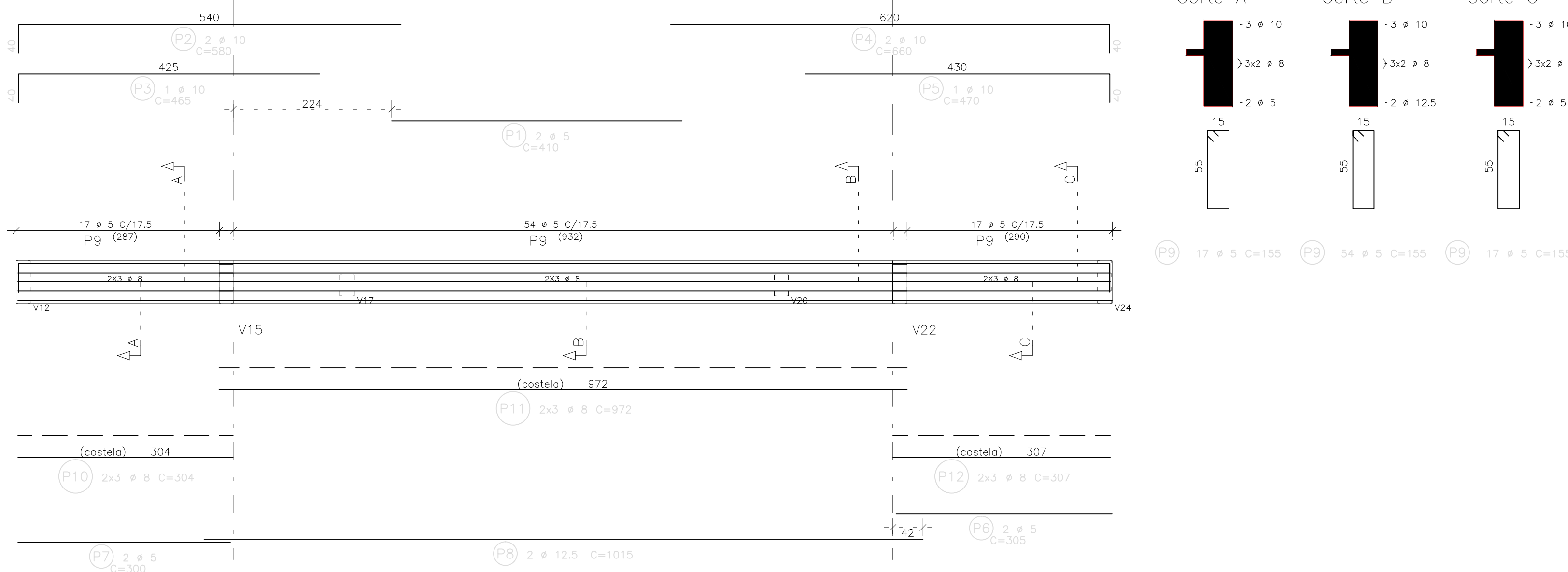
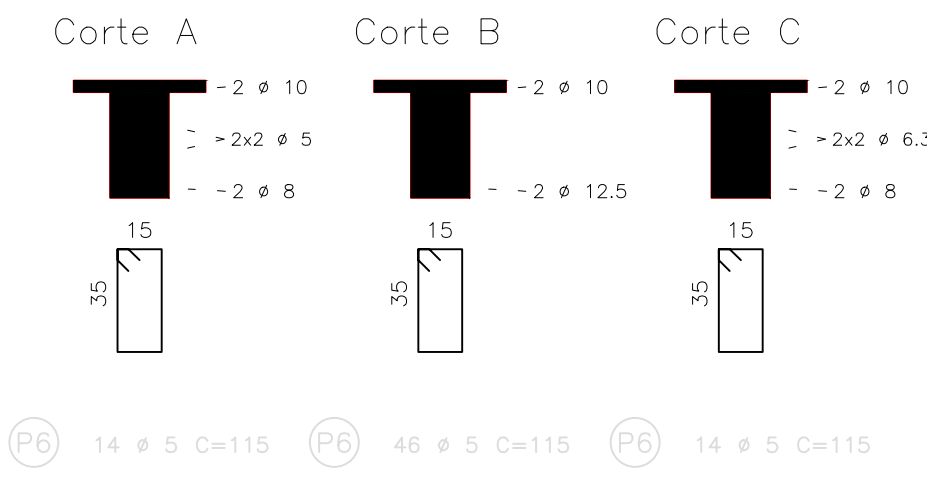
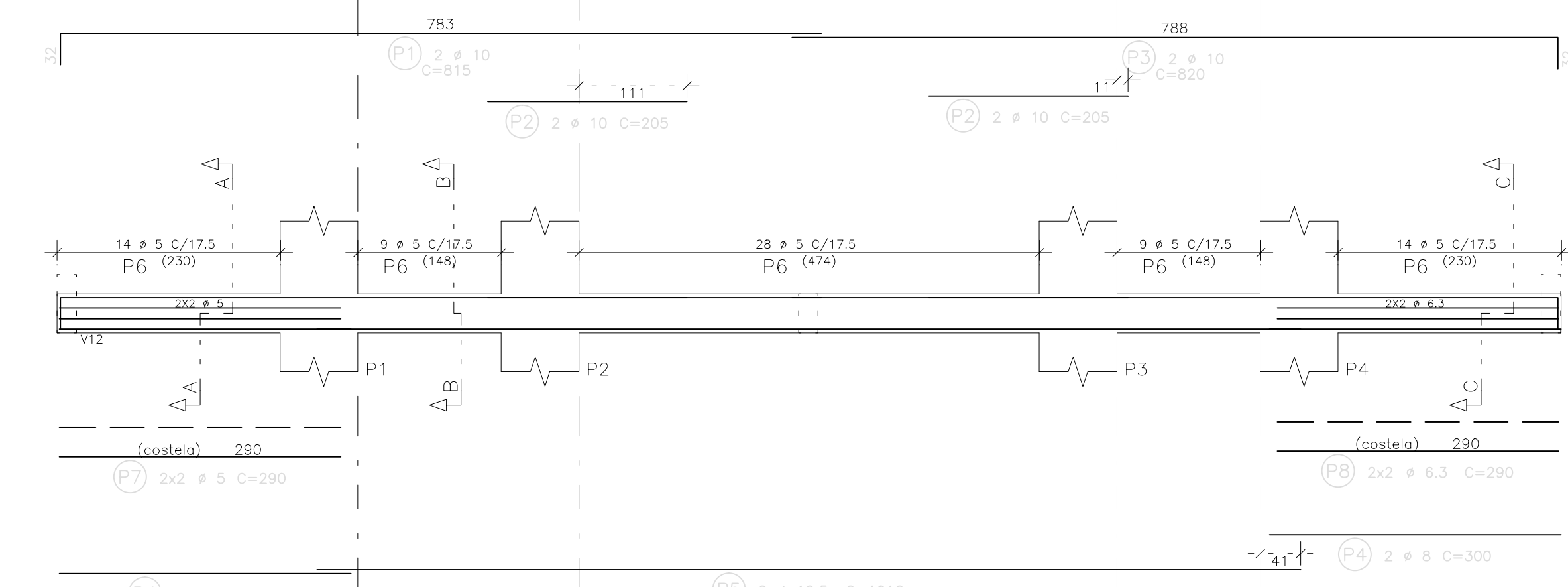


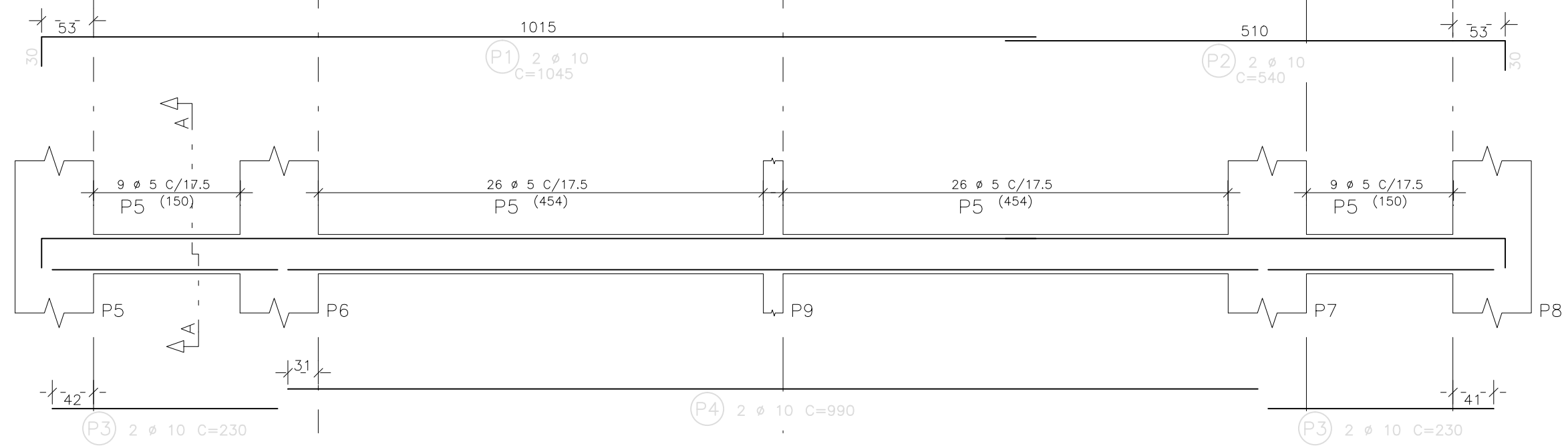
V1 20/60



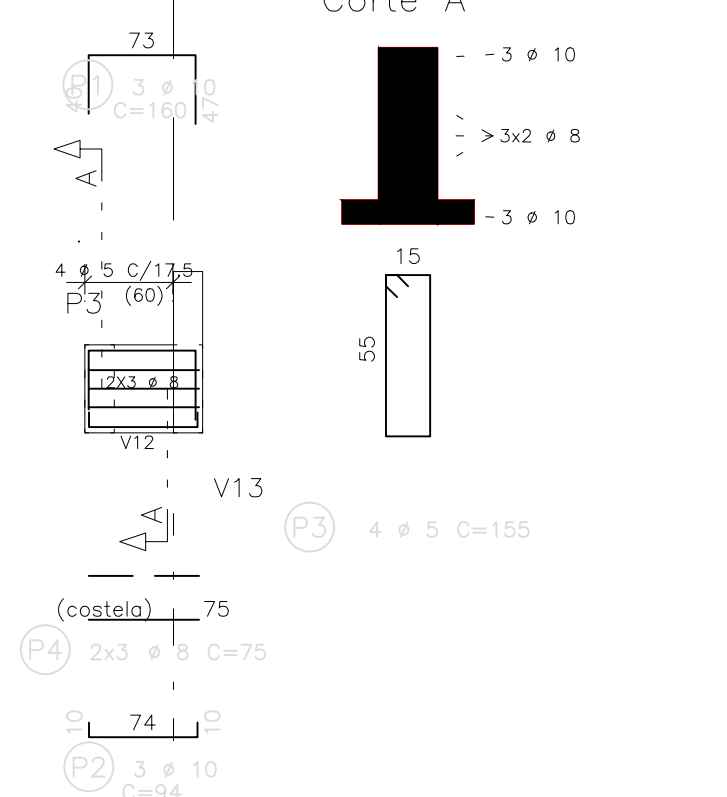
V2 20/40



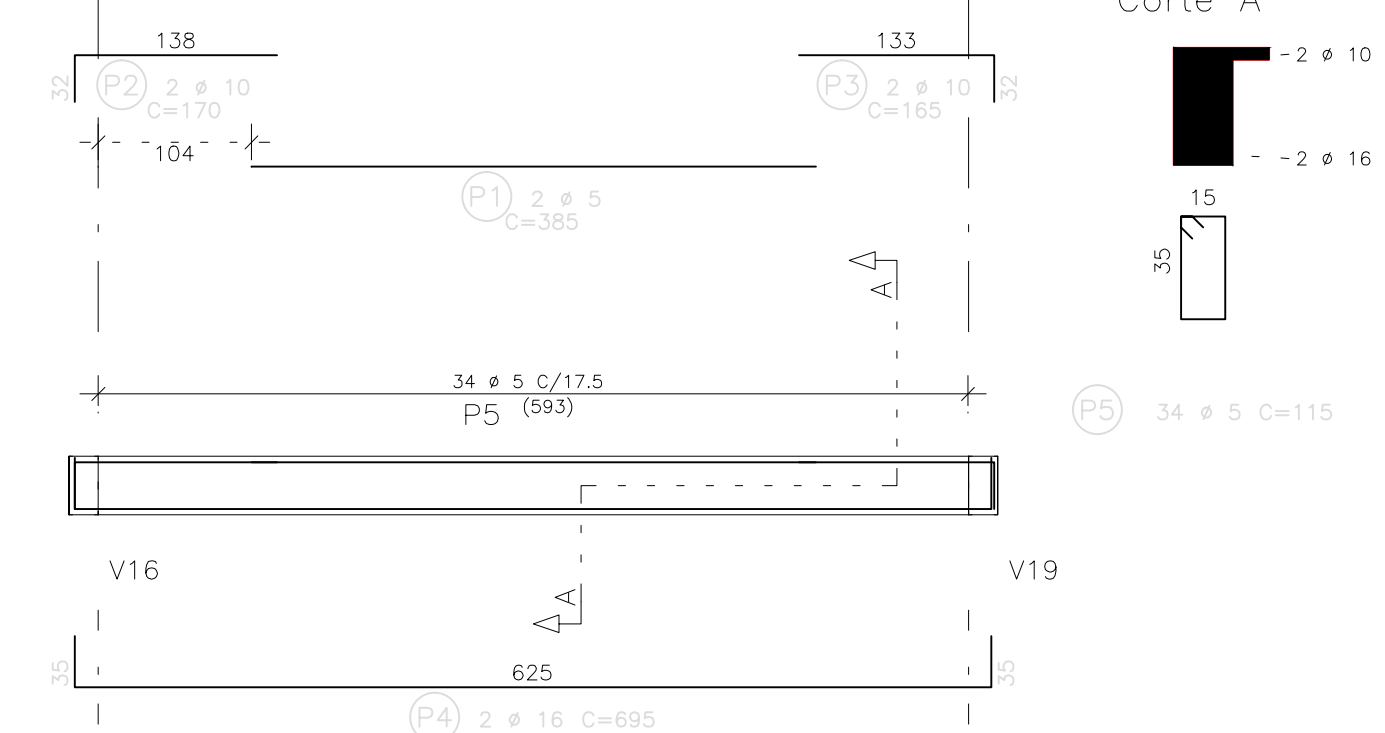
V3 20/40



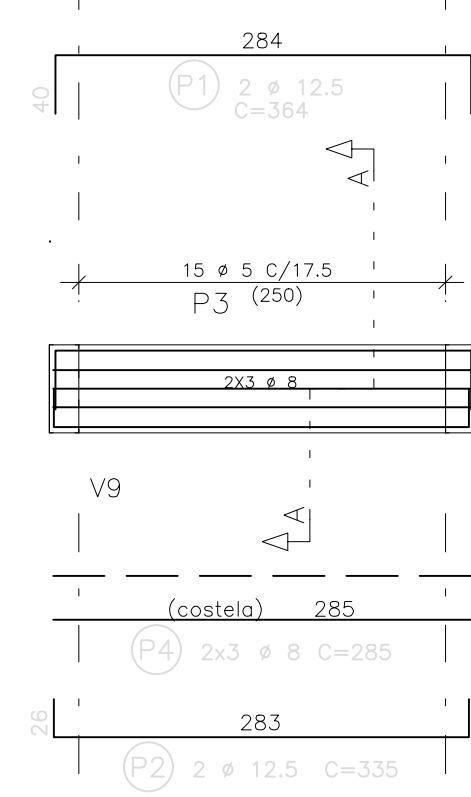
V4=V5=V6=V7 20/60



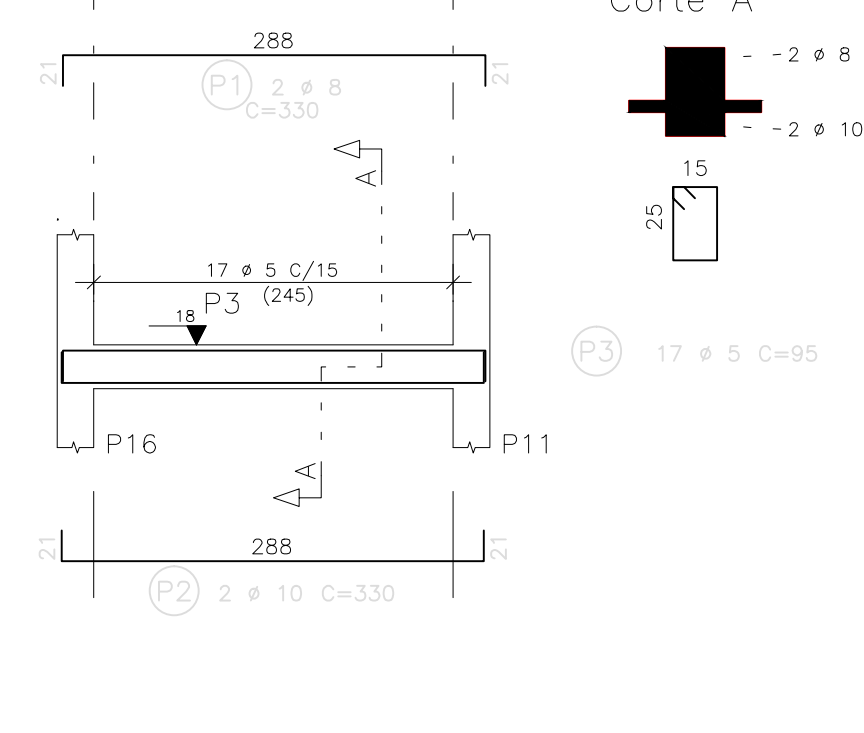
V10 20/40



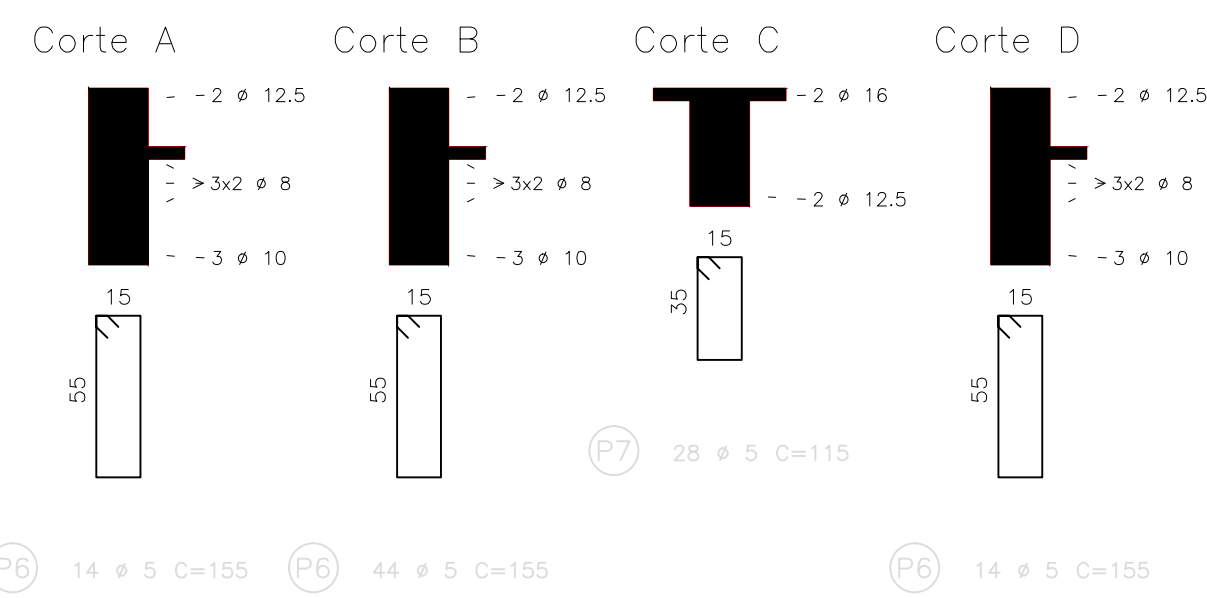
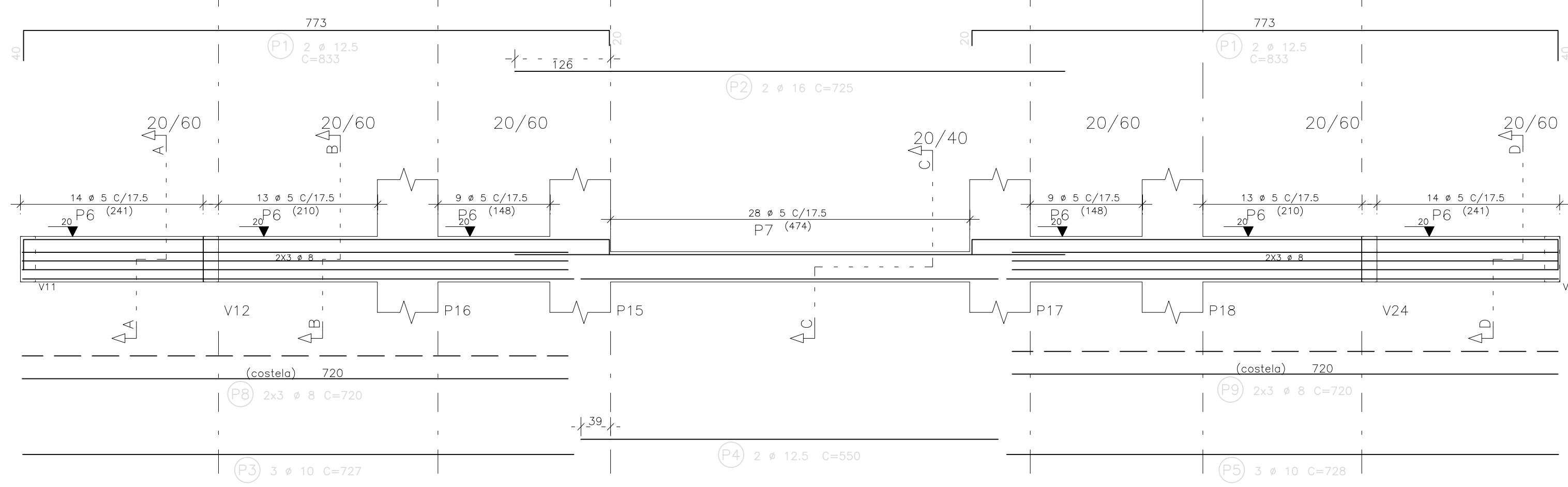
V11=V25 20/60



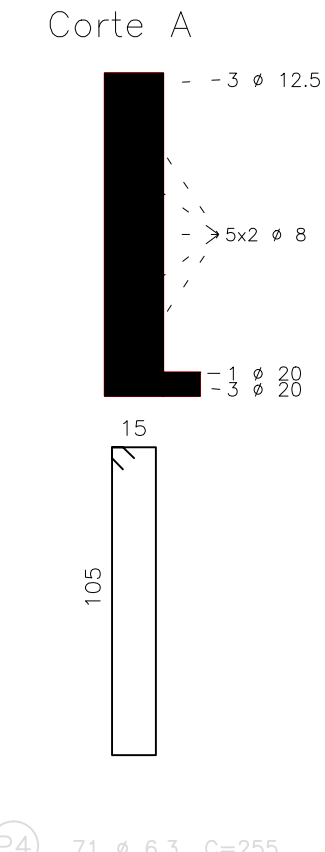
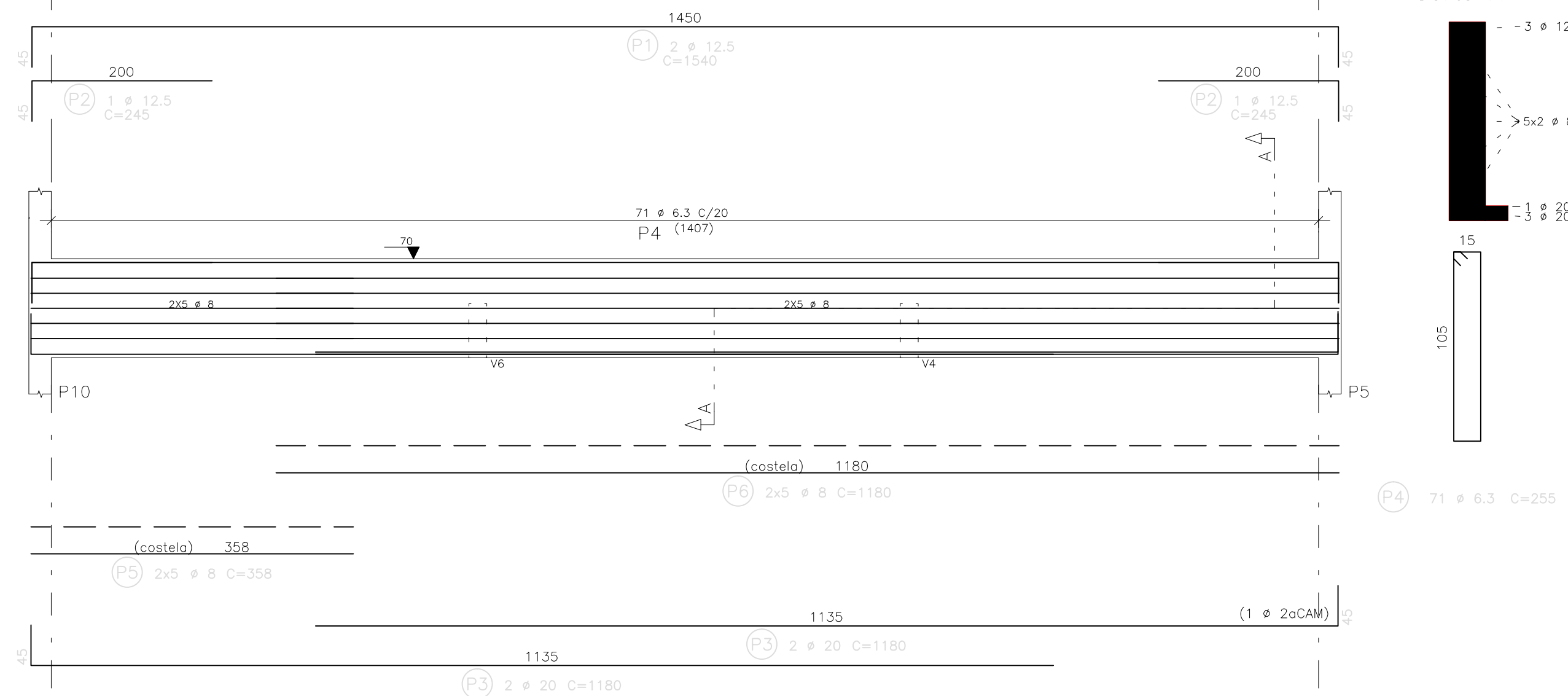
V14=V21 20/30



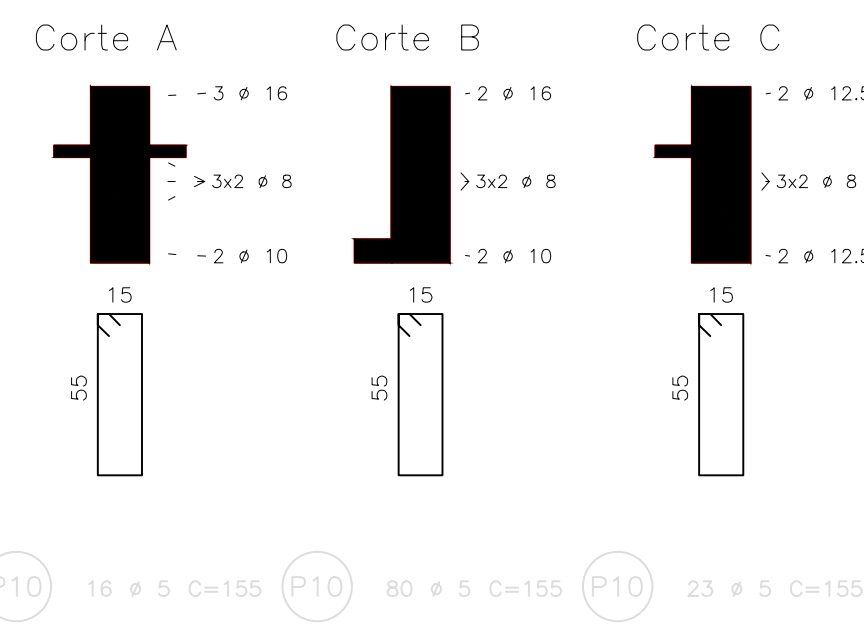
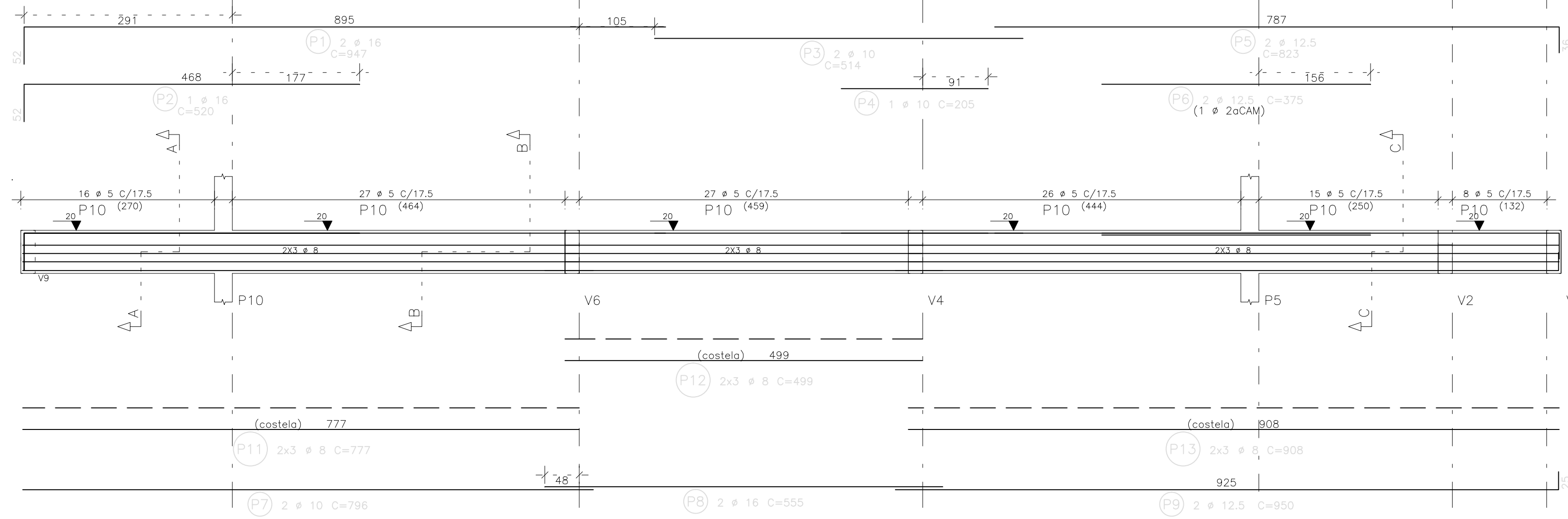
V9



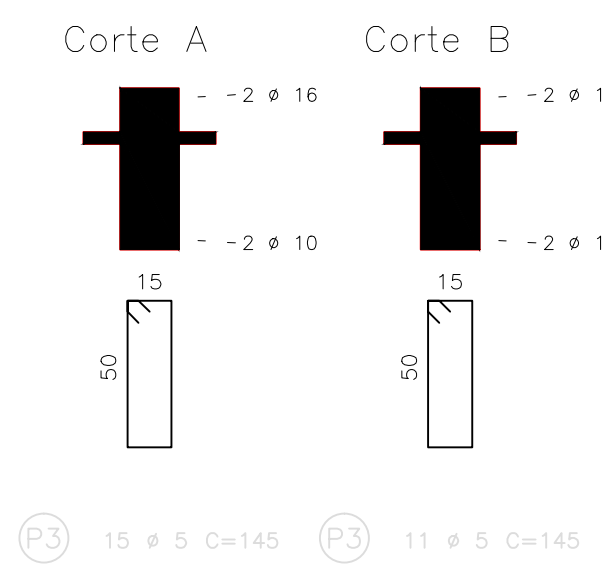
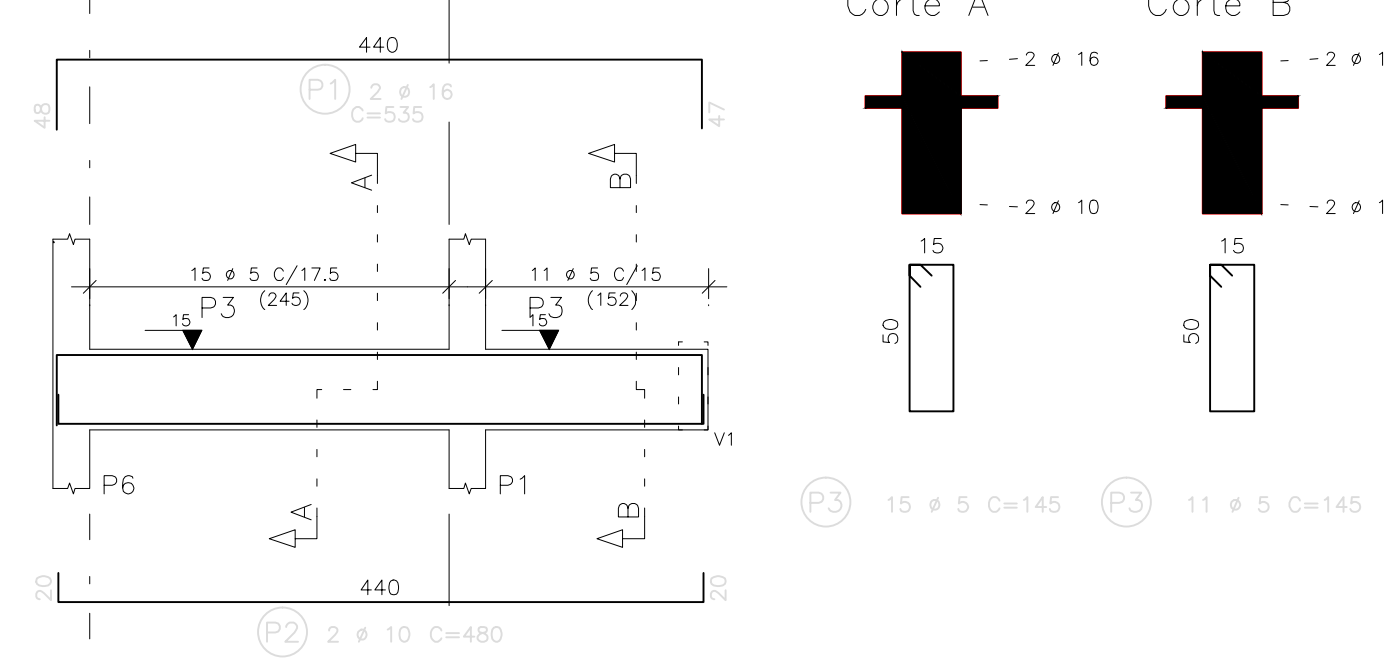
V13=V23 20/110



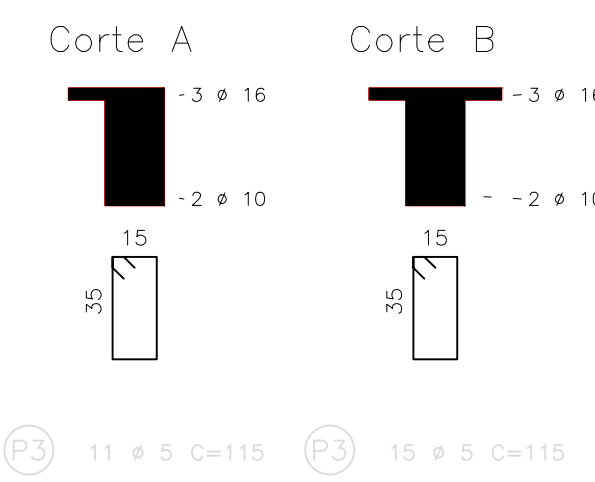
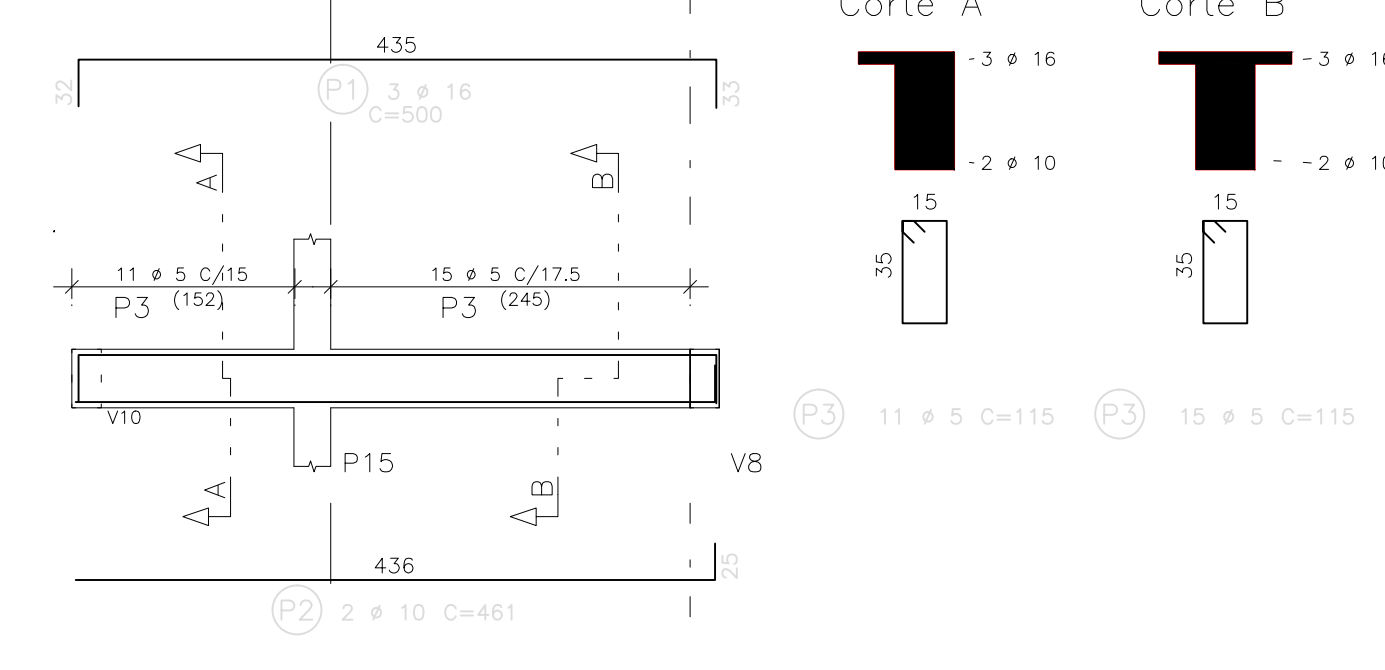
V12=V24 20/60



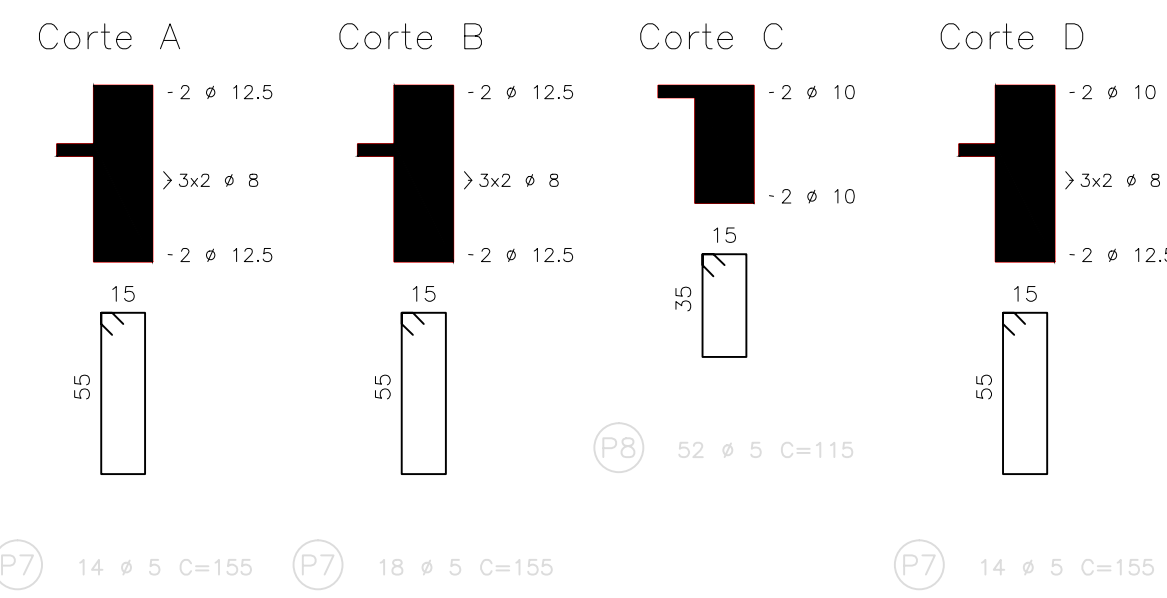
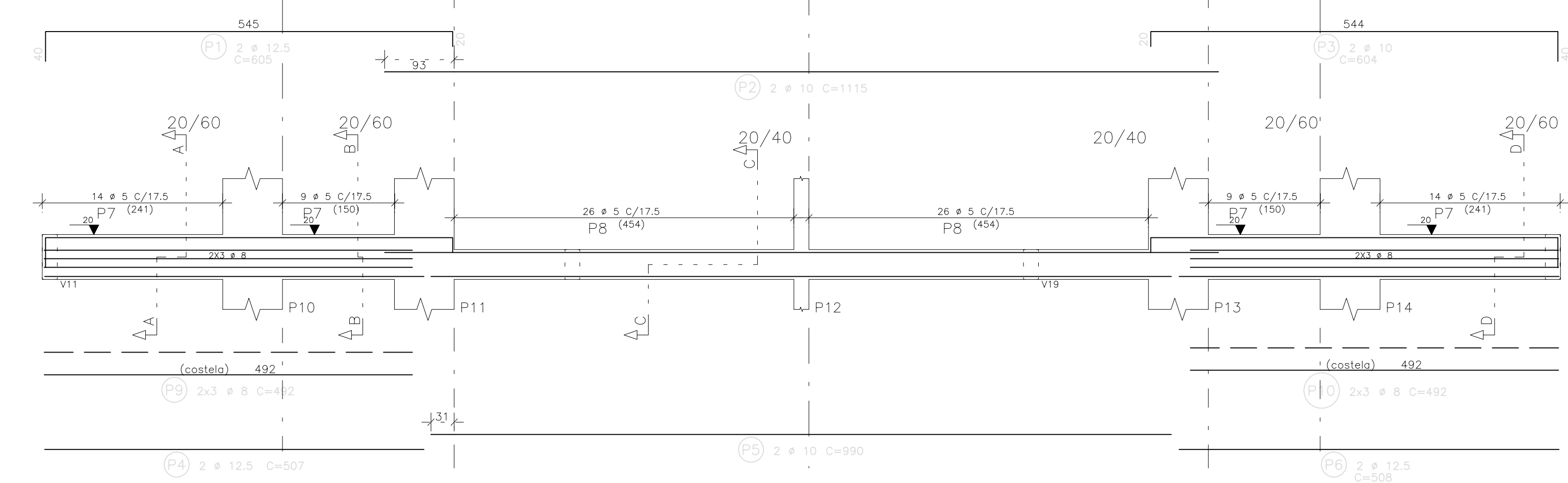
V15=V22 20/55



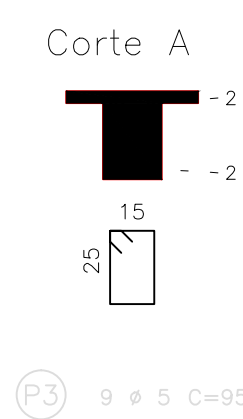
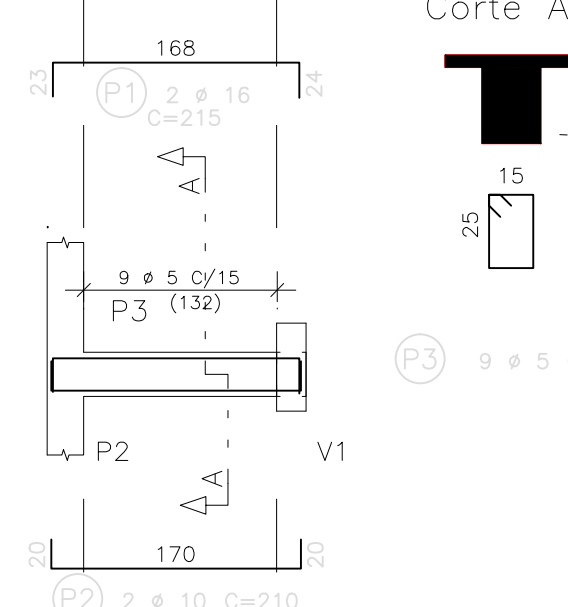
V16=V19 20/40



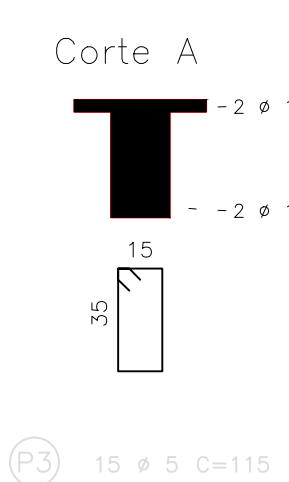
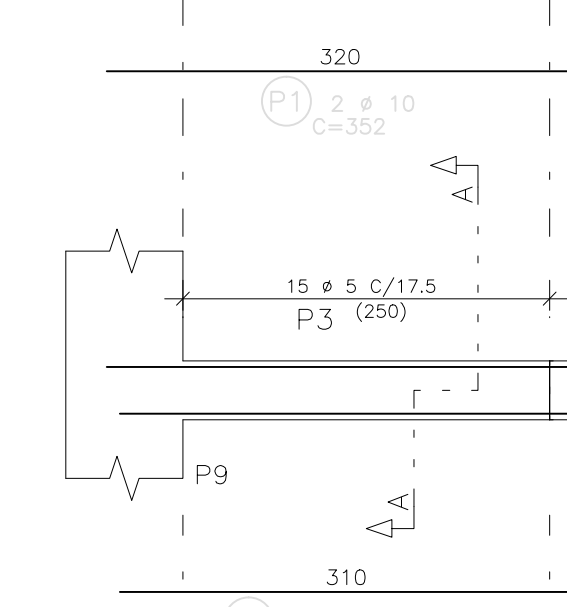
V8



V17=V20 20/30



V18 20/40



OBRA			
PROJETO DE REFORMA E AMPLIAÇÃO DA FACULDADE DE ARQUITETURA E URBANISMO-FAU-UFAL			
CAMPUS A. C. SIMÕES. S/N,TABULEIRO DOS MARTINS/MACEIÓ-AL.			
ESPÉCIE:			
ARMAÇÃO DAS VIGAS DO NÍVEL 1			
DATA	ESCALA	DESENHO	CONCRETO
02/03/2011	INDICADA	ALICE AGRA	fcx > 25 MPa
DESENHO		QUANT. DESENHOS	REVISÃO
0106		0122	01

ACO	POS	BIT	QUANT	COMPRIMENTO	UNIT	TOTAL
		(mm)		(cm)		(cm)
V1						
60	1	5	2	410	820	
50A	2	10	2	580	1160	
50A	3	10	1	465	465	
50A	4	10	1	650	1320	
50A	5	10	1	470	470	
60	6	5	1	300	610	
60	7	5	2	300	600	
50A	8	12,5	2	1015	2030	
60	9	5	86	155	13440	
50A	10	8	6	972	5832	
50A	11	8	6	307	1842	
V2						
50A	1	10	2	815	1630	
50A	2	10	2	205	820	
50A	3	10	2	820	1640	
50A	4	10	2	990	1980	
50A	5	12,5	2	1012	2024	
60	6	5	4	290	1160	
60	7	5	4	290	1160	
50A	8	6,3	4	290	1160	
V3						
50A	1	10	2	1045	2090	
50A	2	10	2	540	1080	
50A	3	10	4	230	920	
50A	4	10	6	990	1980	
60	5	5	70	115	8050	
V4=V5=V6=V7						
50A	1	10	12	160	1920	
50A	2	10	12	128	1536	
60	3	5	16	155	2480	
50A	4	8	24	75	1800	
V8						
50A	1	12,5	2	605	1210	
50A	2	10	2	1115	2230	
50A	3	10	2	604	1208	
50A	4	12,5	2	607	1214	
50A	5	10	2	990	1980	
50A	6	12,5	2	908	1816	
60	7	5	46	155	7130	
60	8	5	52	115	5980	
50A	9	8	6	492	2952	
50A	10	8	6	492	2952	
V9						
50A	1	12,5	4	833	3332	
50A	2	16	2	725	1450	
50A	3	10	3	727	2181	
50A	4	12,5	3	550	1650	
50A	5	10	3	728	2184	
60	6	5	72	155	11160	
60	7	5	28	115	3220	
50A	8	5	720	4320	4320	
50A	9	8	6	720	4320	
V10						
60	1	5	2	385	770	
50A	2	10	2	170	340	
50A	3	10	4	165	660	
50A	4	16	2	695	1390	
60	5	5	34	115	3910	
V11=V25						
50A	1	12,5	4	384	1536	
50A	2	12,5	4	335	1340	
60	3	5	30	155	4650	
50A	4	8	12	285	3420	
V12=V24						
50A	1	16	4	947	3788	
50A	2	16	2	520	1040	
50A	3	10	4	514	2056	
50A	4	10	2	205	410	
50A	5	12,5	4	833	3332	
50A	6	12,5	4	375	1500	
50A	7	10	4	796	3184	
50A	8	16	4	255	1020	
50A	9	12,5	4	950	3800	
60	10	5	238	155	36890	
50A	11	8	12	777	9324	
50A	12	8	12	499	5988	
50A	13	8	12	908	10896	
V13=V23						
50A	1	12,5	4	1540	6160	
50A	2	12,5	4	245	980	
50A	3	20	8	1180	9440	
50A	4	8,3	142	255	36210	
50A	5	8	20	358	7160	
50A	6	8	20	1180	23600	
V14=V21						
50A	1	8	4	330	1320	
50A	2	10	3	330	1320	
60	3	5	34	95	3230	
V15=V22						
50A	1	16	4	535	2140	
50A	2	10	4	480	1920	
60	3	5	52	145	7540	
V16=V19						
50A	1	16	6	500	3000	
50A	2	10	4	461	1844	
60	3	5	52	115	5980	
V17=V20						
50A	1	16	4	215	860	
50A	2	10	2	335	670	
60	3	5	18	95	1710	
V18						
50A	1	10	2	352	704	
50A	2	10	2	335	670	
60	3	5	15	115	1725	

ACO	BIT	COMPR	PESO
	(mm)	(m)	(kg)
60	5	1298	268
50A	6,3	374	93
50A	8	868	350
50A	10	400	252
50A	12,5	203	303
50A	16	159	224
50A	20	94	236
Peso Total	60	=	208 kg
Peso Total	50A	=	1493 kg