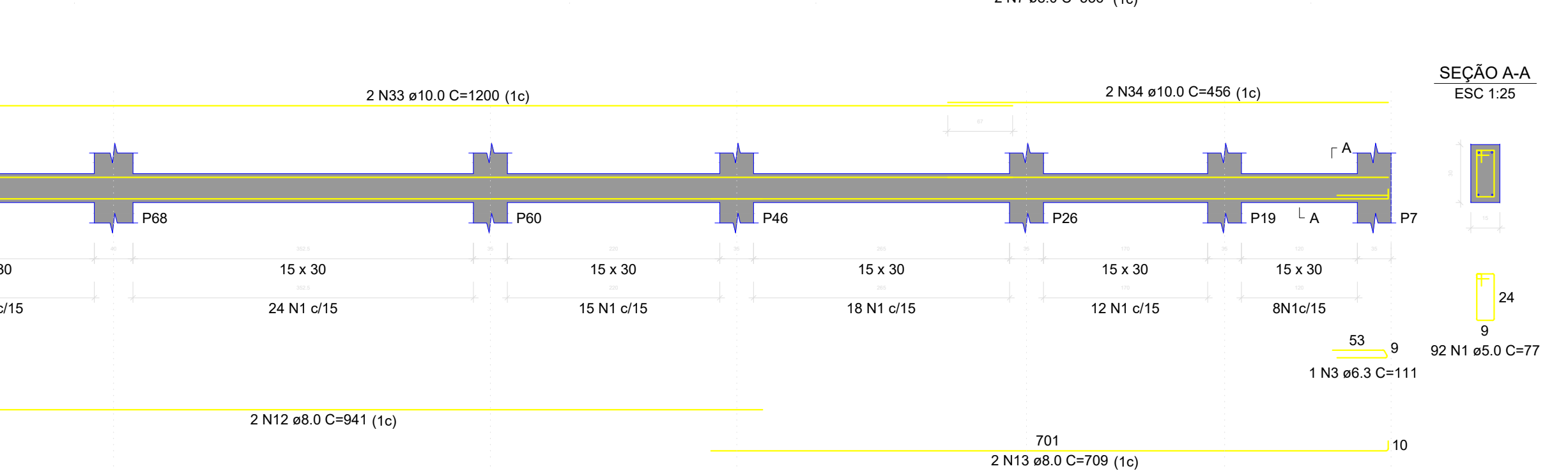
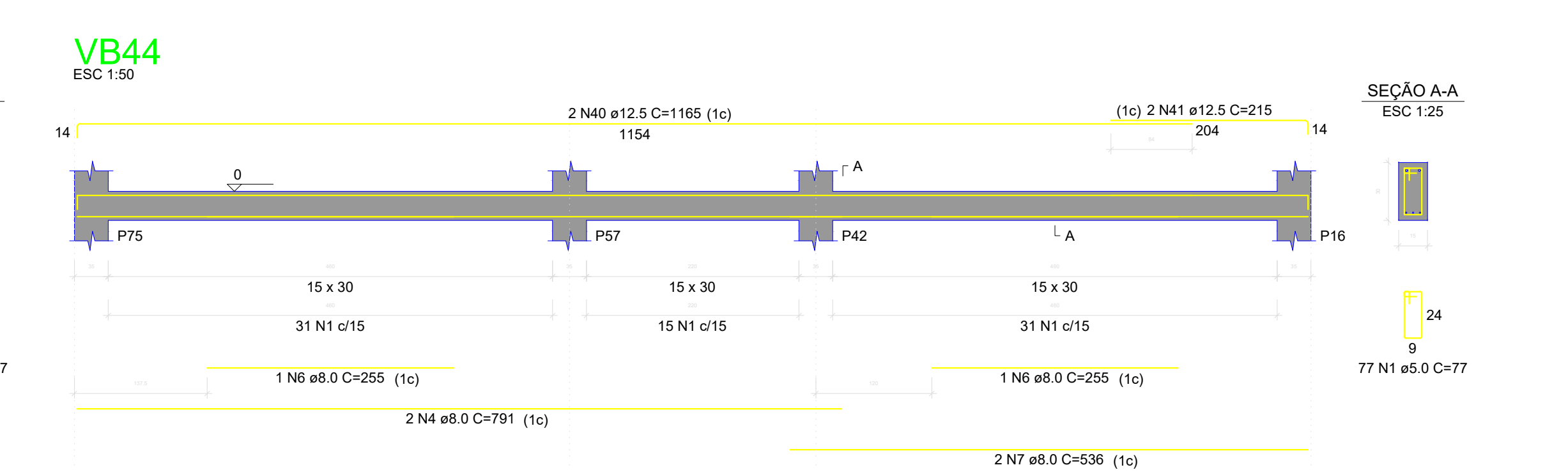
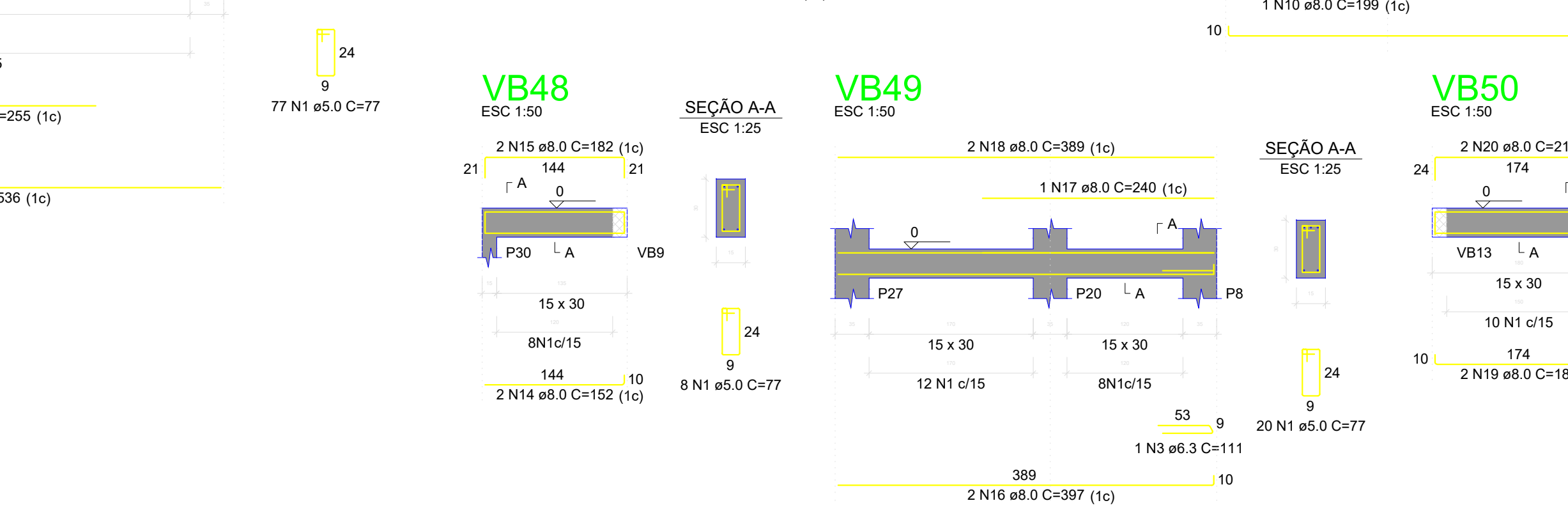
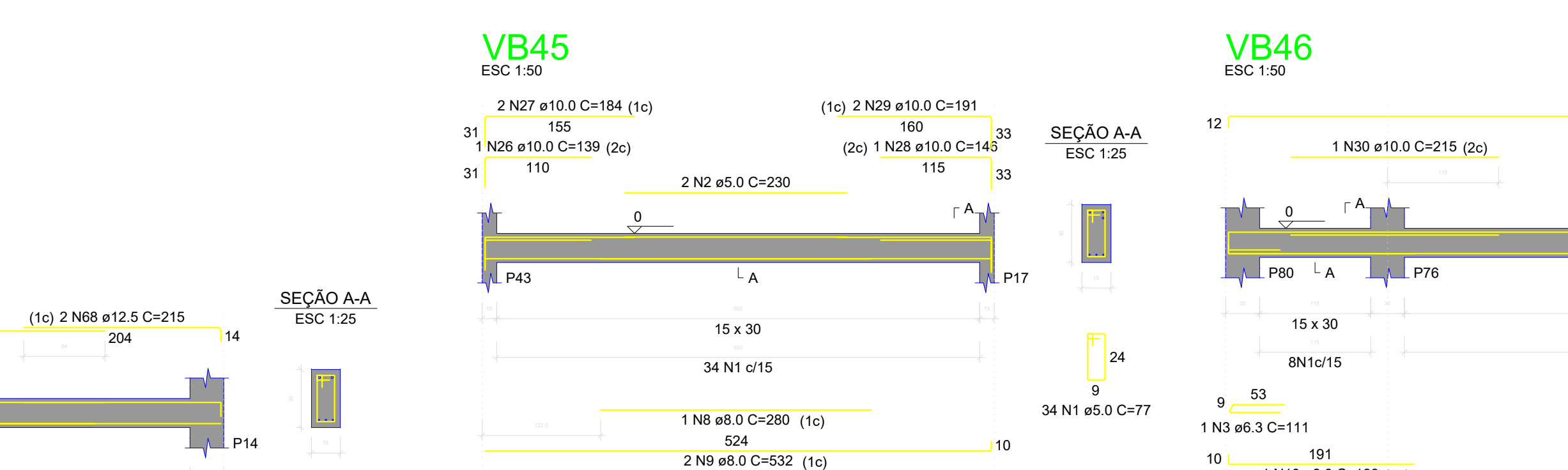
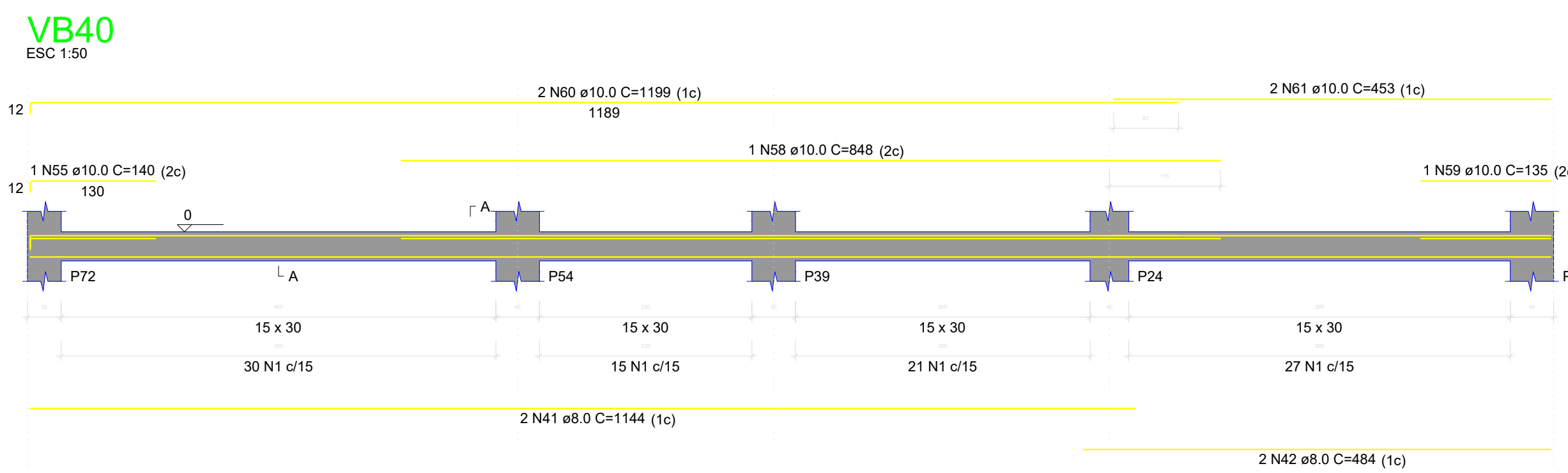
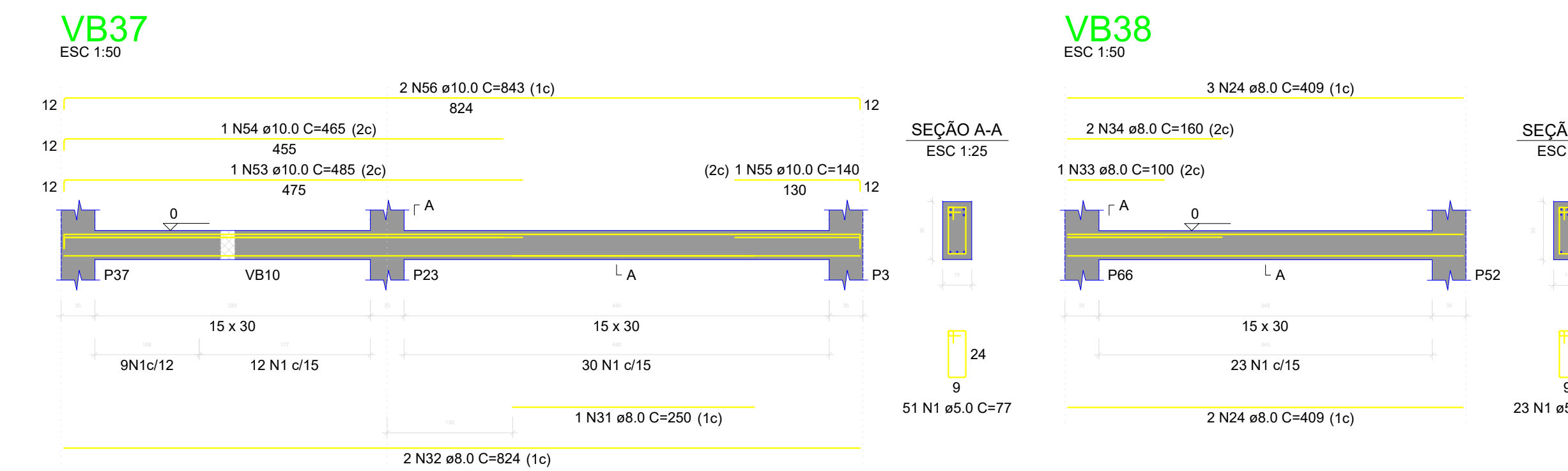
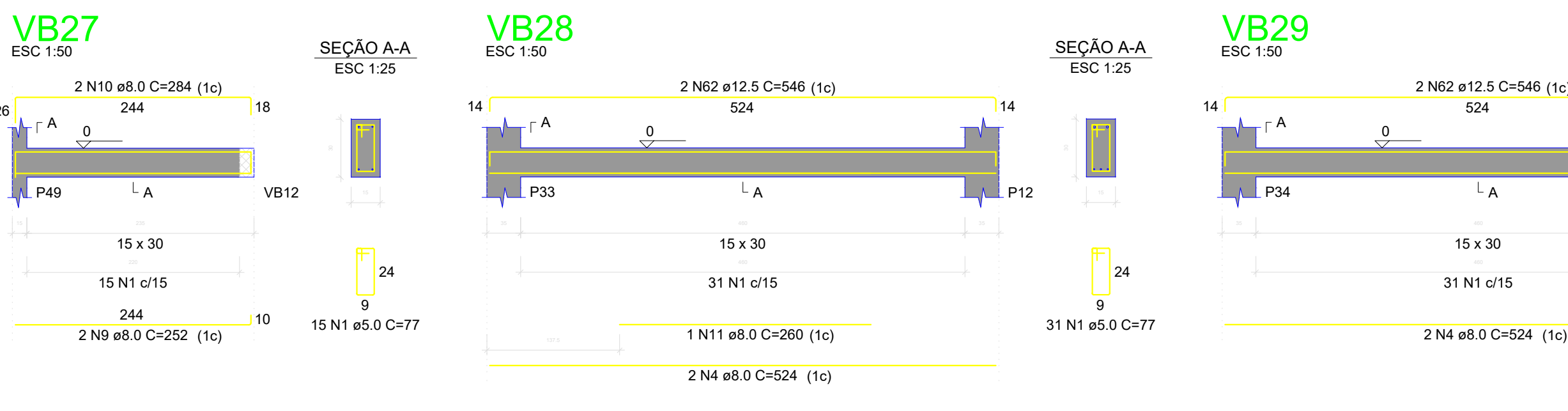
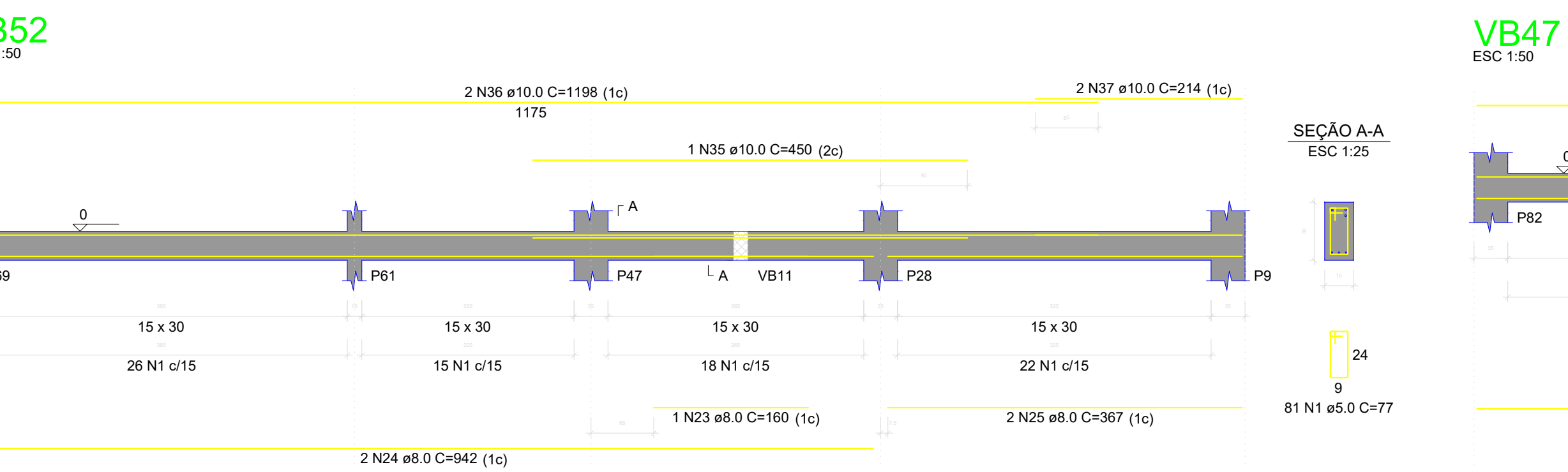
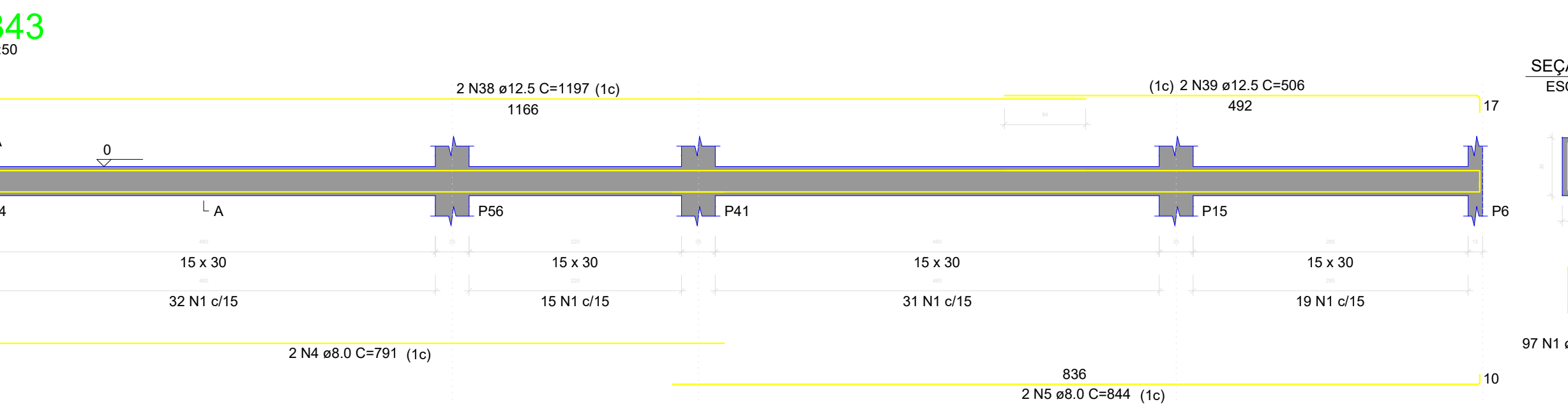
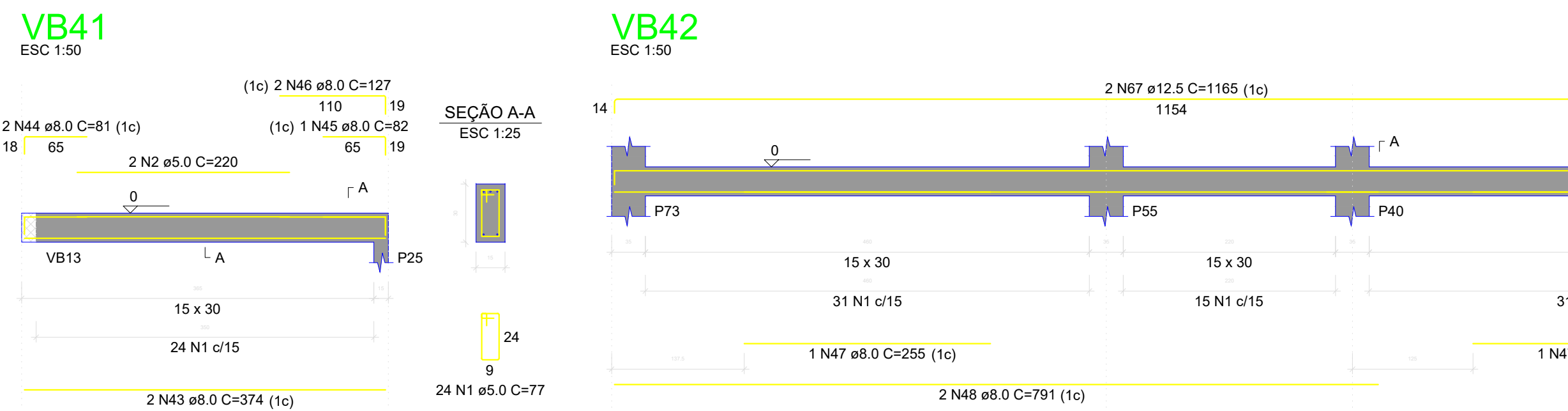
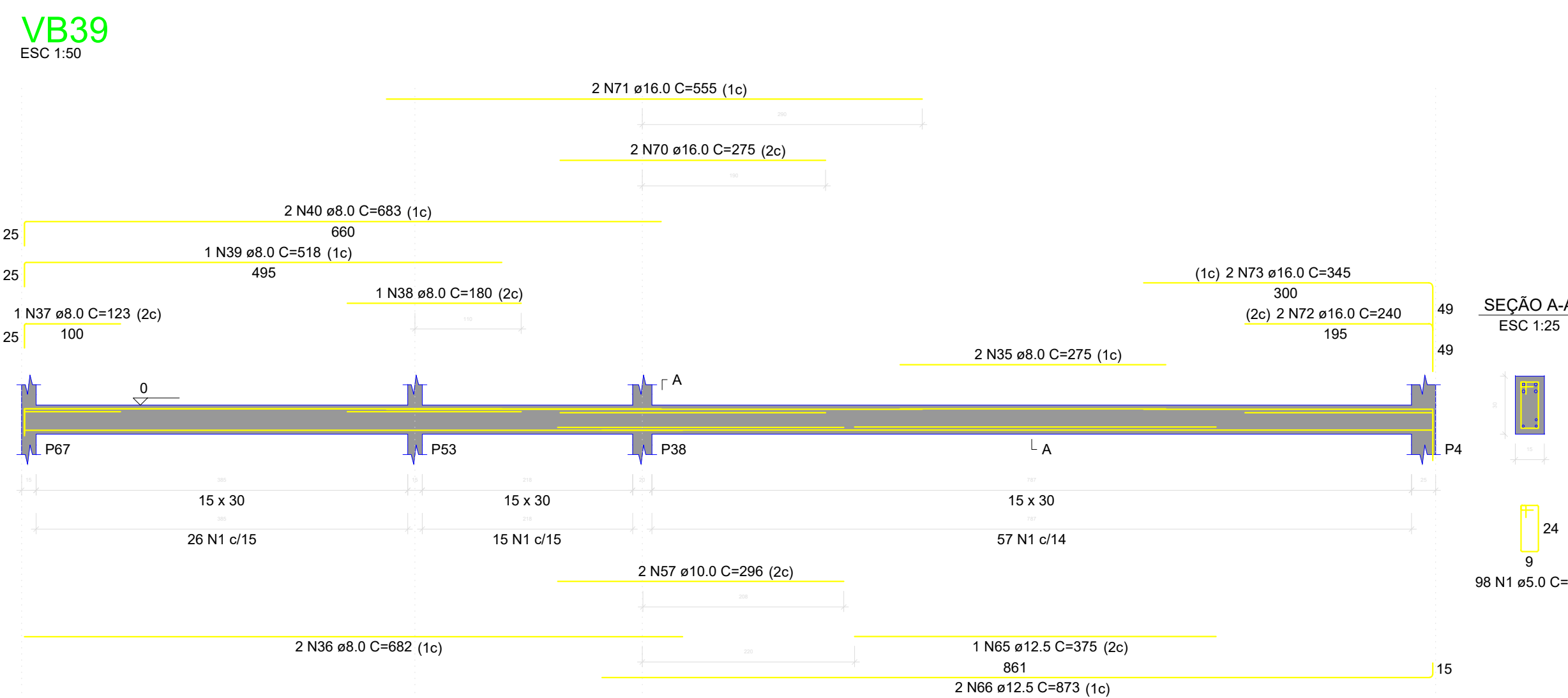
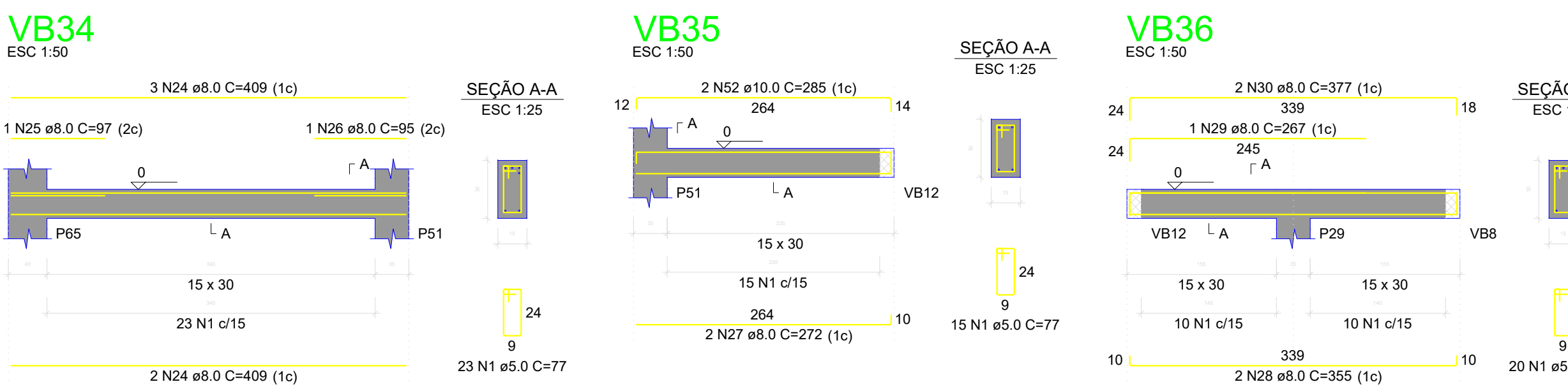
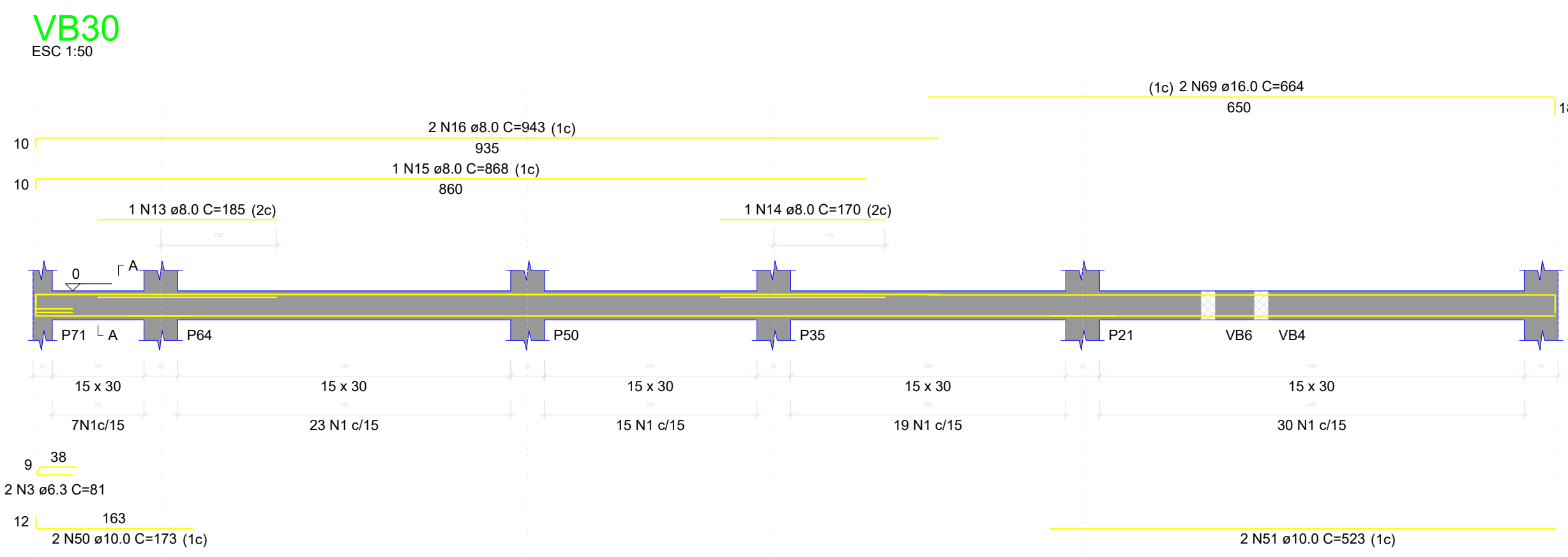
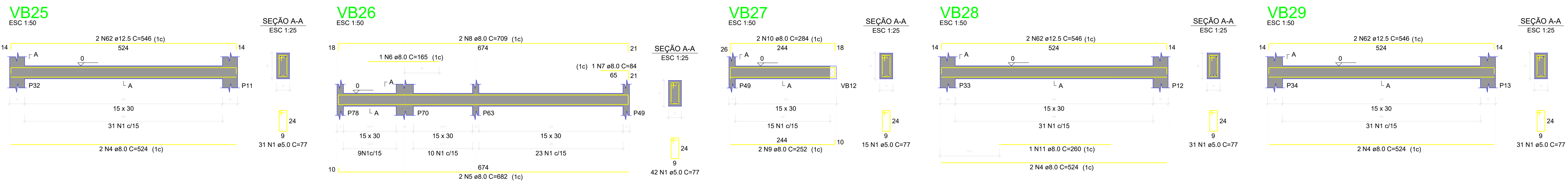




RELAÇÃO DO AÇO						
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA50	1	5.0	722	77	55694	
	2	5.0	220	440	136	
CA50	3	6.3	2	81	162	
	4	6.3	2	81	162	
	5	8.0	2	682	1364	
	6	8.0	2	165	330	
	7	8.0	1	84	84	
	8	8.0	1	107	107	
	9	8.0	2	242	484	
	10	8.0	2	242	484	
	11	8.0	1	260	260	
	12	8.0	1	1022	1022	
	13	8.0	1	185	185	
	14	8.0	1	175	175	
	15	8.0	1	868	868	
	16	8.0	1	868	868	
CA60	17	8.0	2	147	294	
	18	8.0	2	177	354	
	19	8.0	2	282	564	
	20	8.0	2	282	564	
	21	8.0	2	290	580	
	22	8.0	2	290	580	
	23	8.0	3	502	1506	
	24	8.0	1	498	498	
	25	8.0	1	87	87	
	26	8.0	1	96	96	
	27	8.0	2	272	544	
	28	8.0	2	272	544	
	29	8.0	1	267	267	
	30	8.0	2	277	554	
CA60	31	8.0	1	250	250	
	32	8.0	1	624	624	
	33	8.0	1	100	100	
	34	8.0	2	602	1204	
	35	8.0	2	275	550	
	36	8.0	2	285	570	
	37	8.0	1	123	123	
	38	8.0	1	160	160	
	39	8.0	1	518	518	
	40	8.0	2	603	1206	
	41	8.0	2	1144	2288	
	42	8.0	2	494	988	
	43	8.0	2	374	748	
	44	8.0	2	81	162	
CA60	45	8.0	1	82	82	
	46	8.0	2	107	214	
	47	8.0	2	255	510	
	48	8.0	2	1582	1582	
	49	8.0	2	536	1072	
	50	8.0	2	536	1072	
	51	10.0	2	523	1046	
	52	10.0	2	265	530	
	53	10.0	1	485	485	
	54	10.0	1	465	465	
	55	10.0	2	140	280	
	56	10.0	2	643	1286	
	57	10.0	2	296	592	
	58	10.0	1	648	648	
CA60	59	10.0	1	135	135	
	60	10.0	2	1199	2398	
	61	10.0	2	453	906	
	62	10.0	2	540	1080	
	63	12.5	1	533	533	
	64	12.5	2	540	1080	
	65	12.5	1	375	375	
	66	12.5	2	873	1746	
	67	12.5	2	1165	2330	
	68	12.5	2	216	432	
	69	16.0	2	664	1328	
	70	16.0	2	276	552	
	71	16.0	2	555	1110	
	72	16.0	2	240	480	
	73	16.0	2	345	690	

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	1.6	0.4
CA50	8.0	369.5	160.4
CA50	10.0	97.6	46.2
CA50	12.5	97.7	103.5
CA50	16.0	41.6	72.2
CA50	5.0	560.3	95
PESO TOTAL (kg)			
CA50		402.7	
CA60		95	
Volume de concreto (C-30) = 4.77 m³			
Área de forma = 79.61 m²			

RELAÇÃO DO AÇO						
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA50	1	5.0	489	77	37953	
	2	5.0	2	230	460	
CA50	3	6.3	3	111	333	
	4	6.3	4	791	3164	
	5	8.0	2	544	1088	
	6	8.0	2	255	510	
	7	8.0	2	536	1072	
	8	8.0	1	280	280	
	9	8.0	2	332	664	
	10	8.0	2	199	398	
	11	8.0	2	925	1850	
	12	8.0	2	541	1082	
	13	8.0	2	108	216	
	14	8.0	2	132	264	
	15	8.0	2	162	324	
	16	8.0	2	240	480	
CA60	17	8.0	2	307	614	
	18	8.0	2	162	324	
	19	8.0	2	215	430	
	20	8.0	2	294	588	
	21	8.0	2	284	568	
	22	8.0	2	160	320	
	23	8.0	2	342	684	
	24	8.0	2	307	614	
	25	10.0	1	139	139	
	26	10.0	1	164	164	
	27	10.0	2	191	382	
	28	10.0	2	146	292	
	29	10.0	2	191	382	
	30	10.0	2	215	430	
CA60	31	10.0	1	175	175	
	32	10.0	2	628	1256	
	33	10.0	2	1200	2400	
	34	10.0	2	456	912	
	35	10.0	2	456	912	
	36	10.0	2	1198	2396	
	37	10.0	2	214	428	
	38	12.5	2	1107	2214	
	39	12.5	2	306	612	
	40	12.5	2	1105	2210	
	41	12.5	2	215	430	
RESUMO DO AÇO						
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)			
CA50	6.3	3.3	0.9			
CA50	8.0	207.8	87.9			
CA50	10.0	98.7	65.9			
CA50	12.5	61.7	65.9			
CA50	5.0	381.1	64.8			
PESO TOTAL (kg)						
CA50		221.1				
CA60		64.6				
Volume de concreto (C-30) = 3.25 m³						
Área de forma = 54.22 m²						

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	3.3	0.9
	8.0	202.8	87.9
	10.0	98.7	65.9
	12.5	61.7	65.3
CA50	5.0	381.1	64.8
PESO TOTAL (kg)			
CA50	221.1		
CA50	84.6		

Volume de concreto (C-30) = 3.25 m³

Área de forma = 54.22 m²