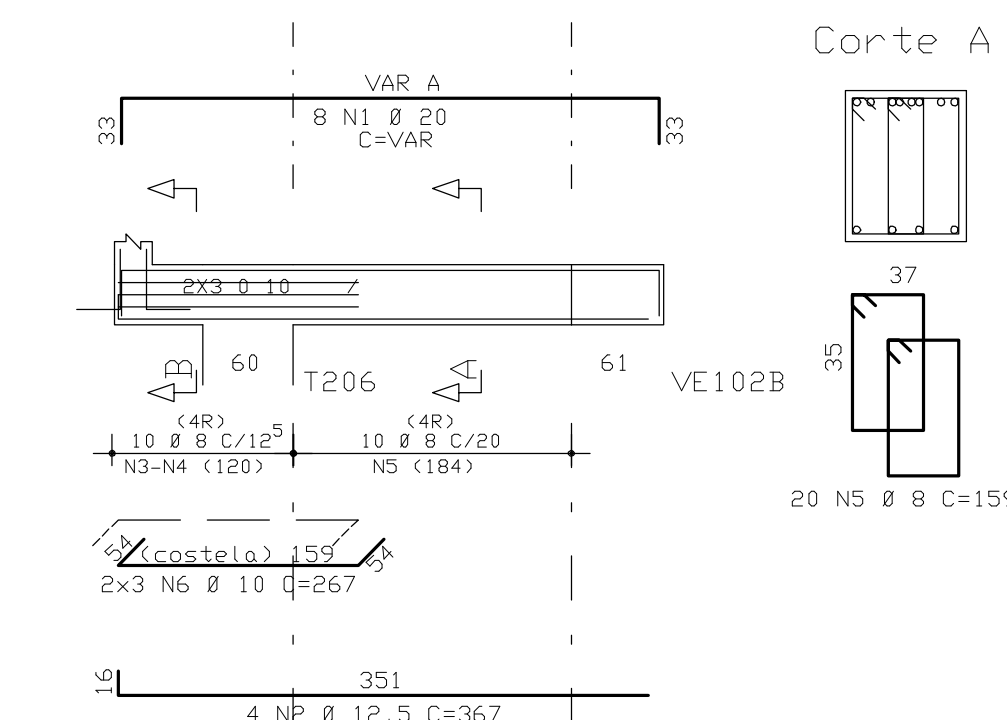
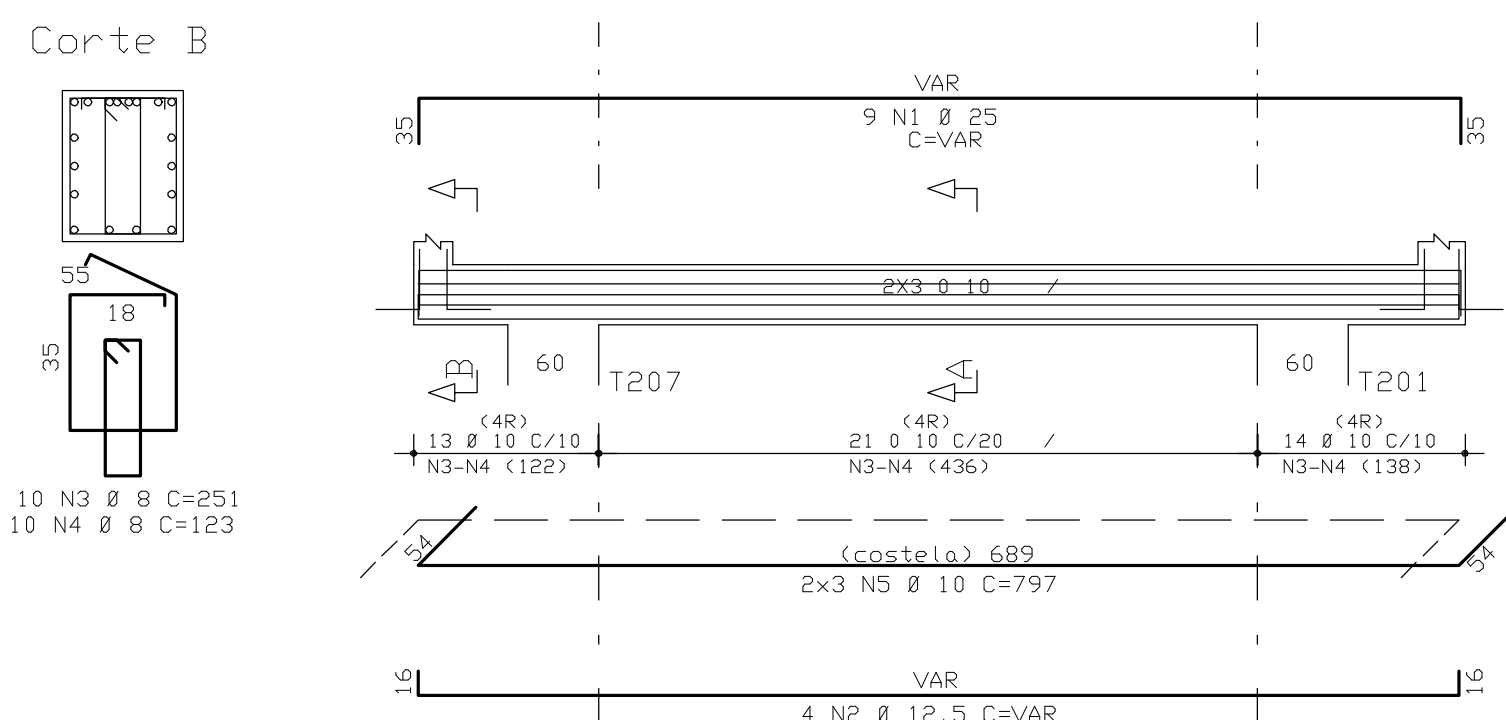


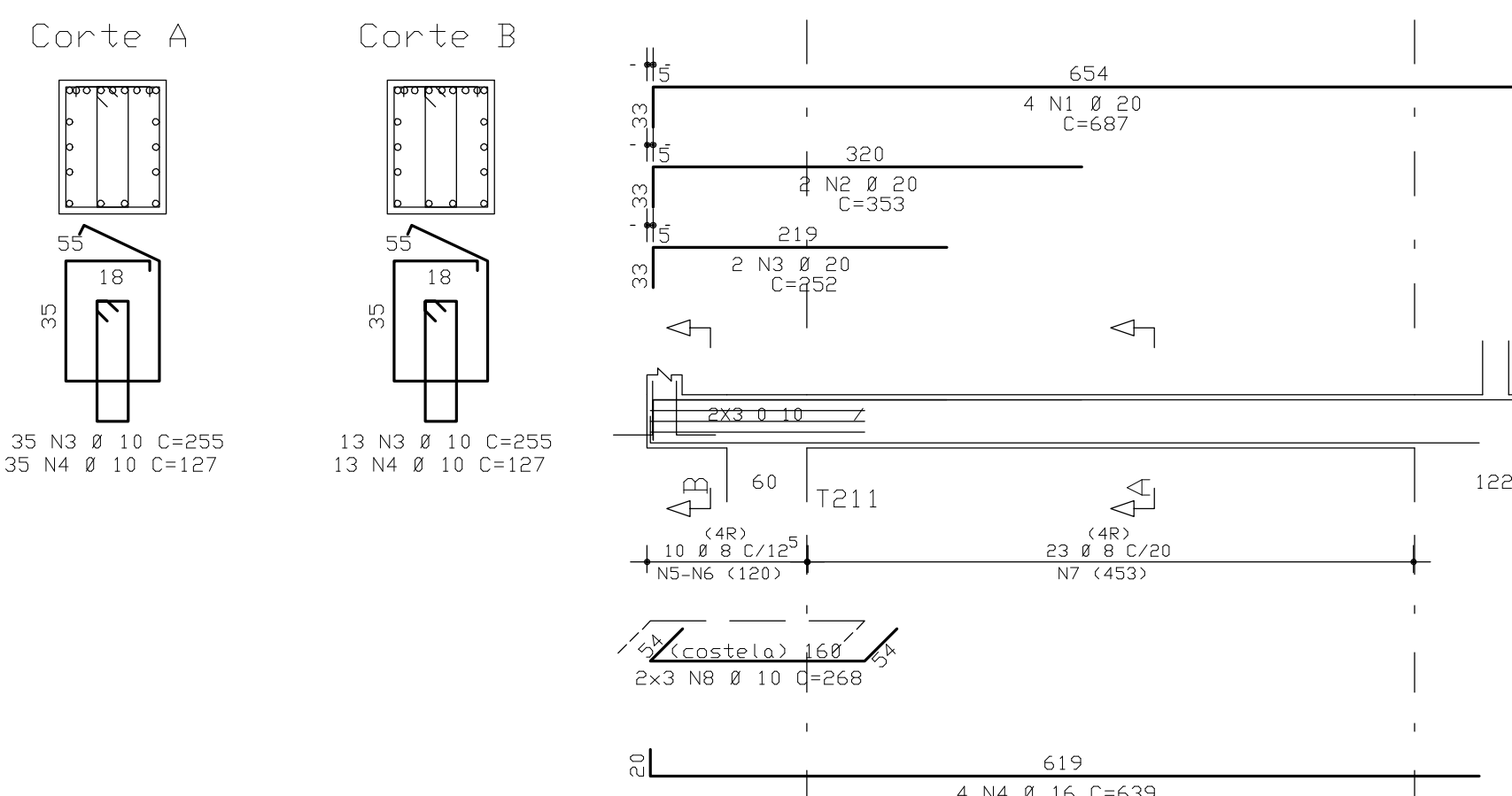
VE101B 60/40



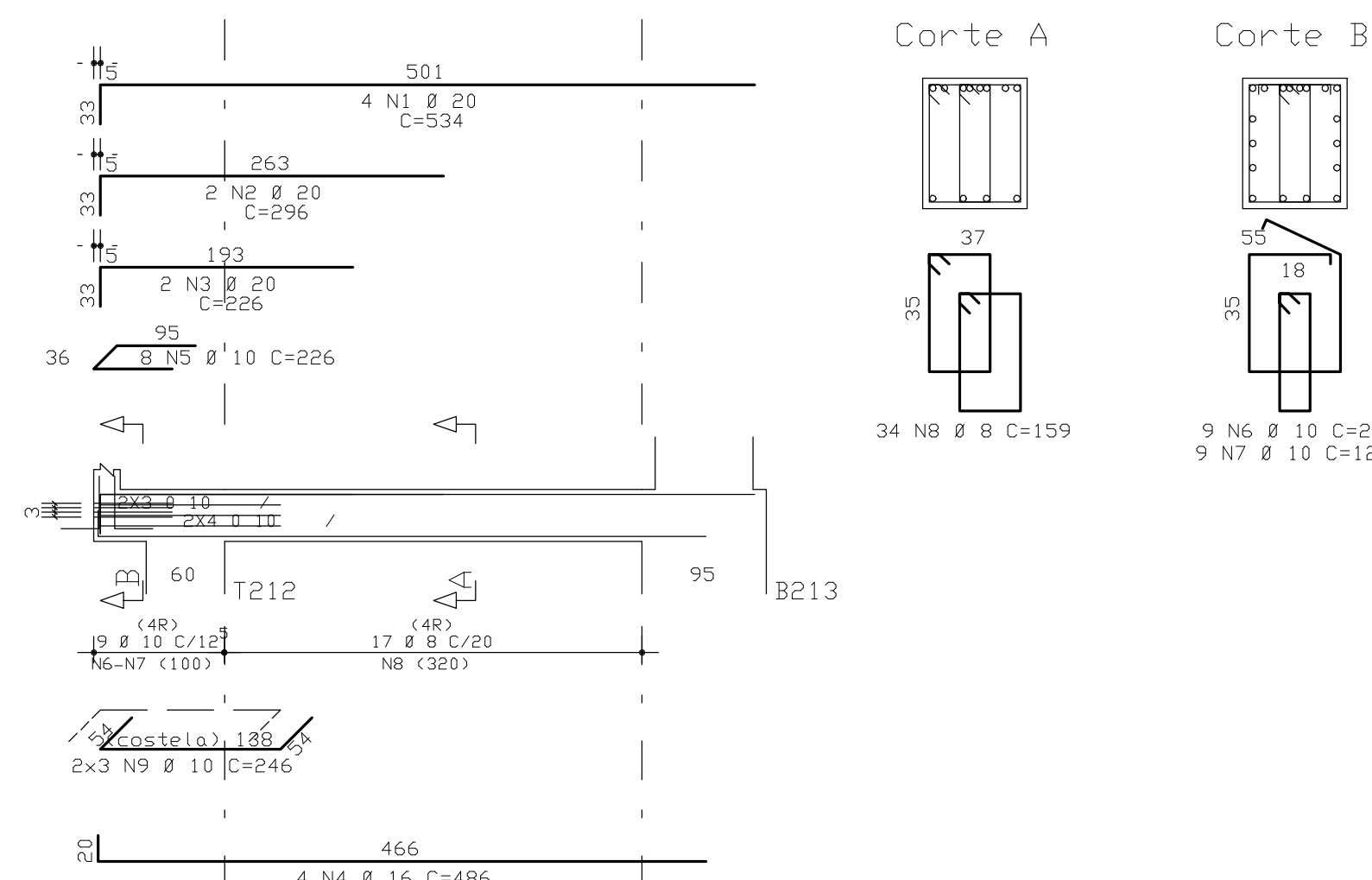
VE102B 60/40



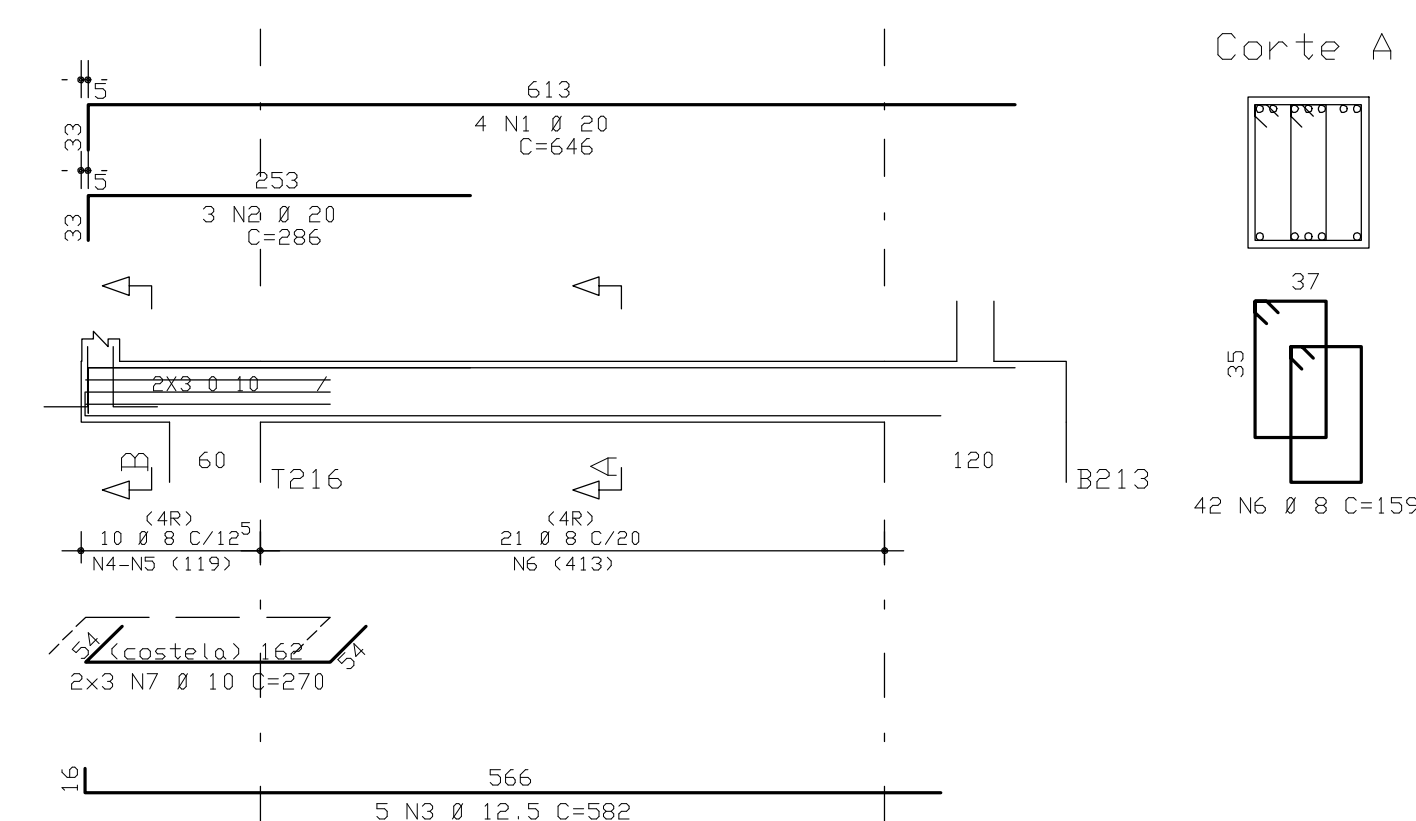
VE103B 60/40



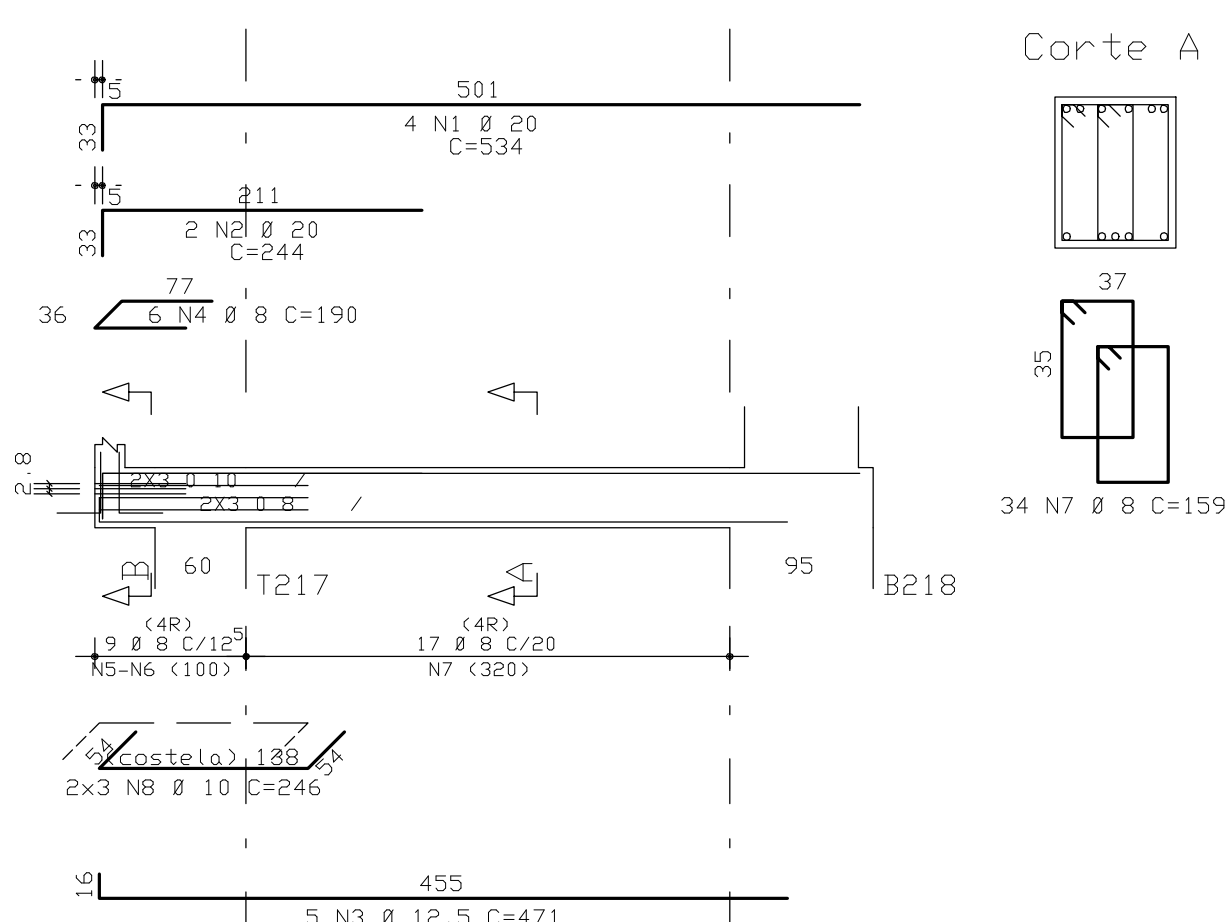
VE104B 60/40



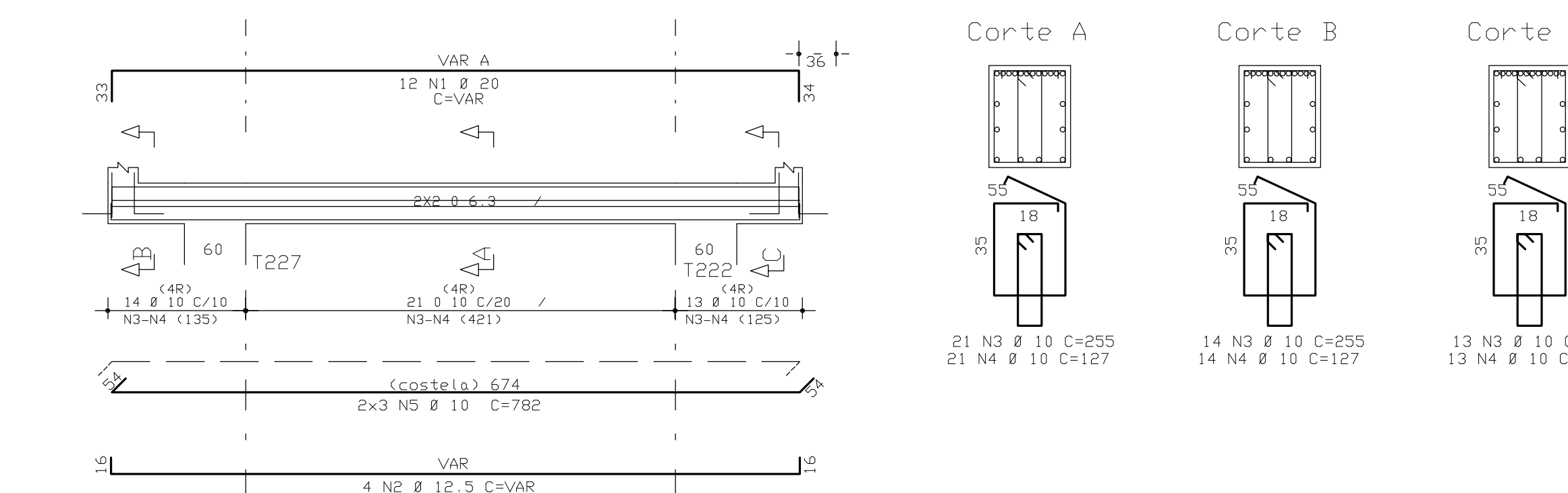
VE105B 60/40



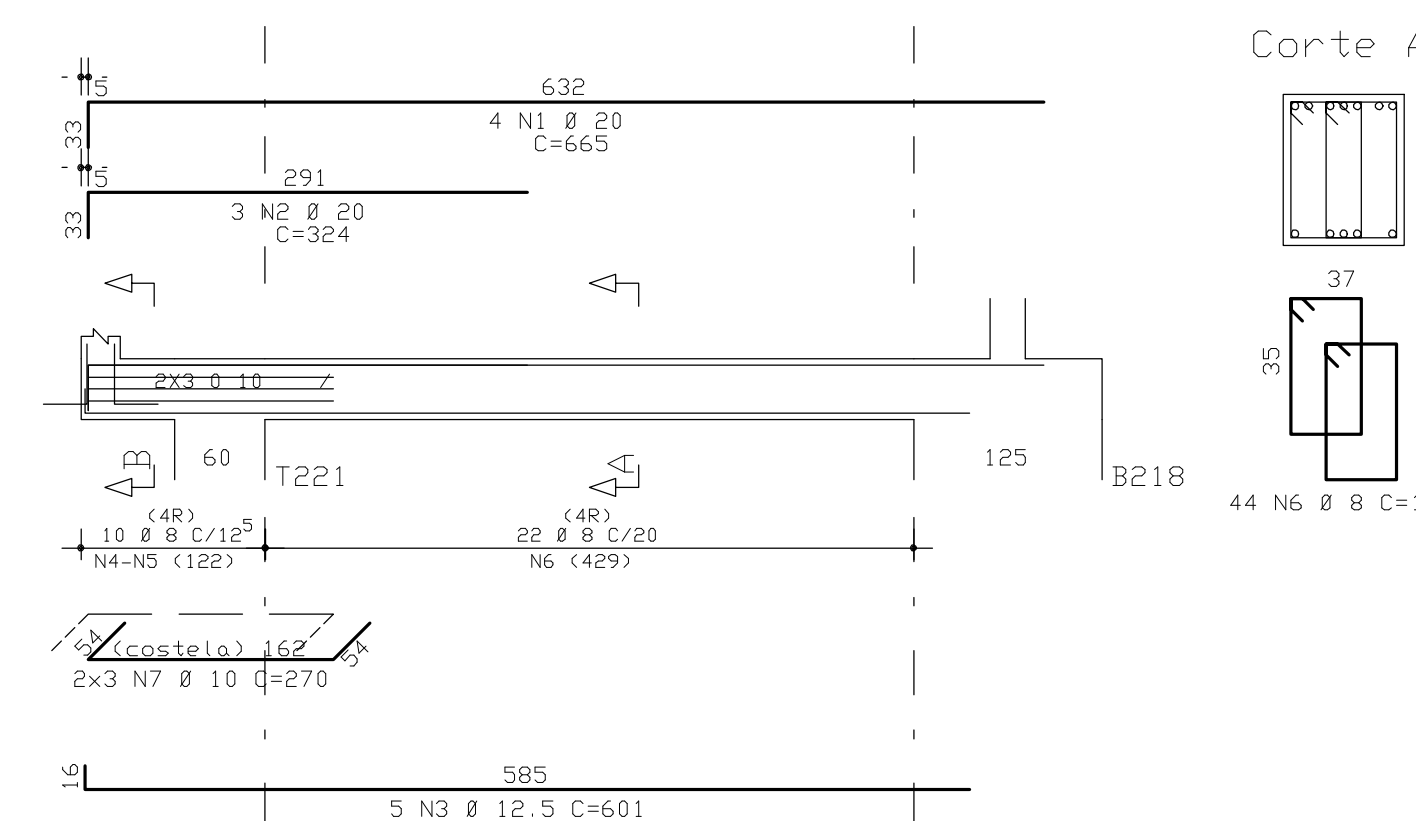
VE106B 60/40



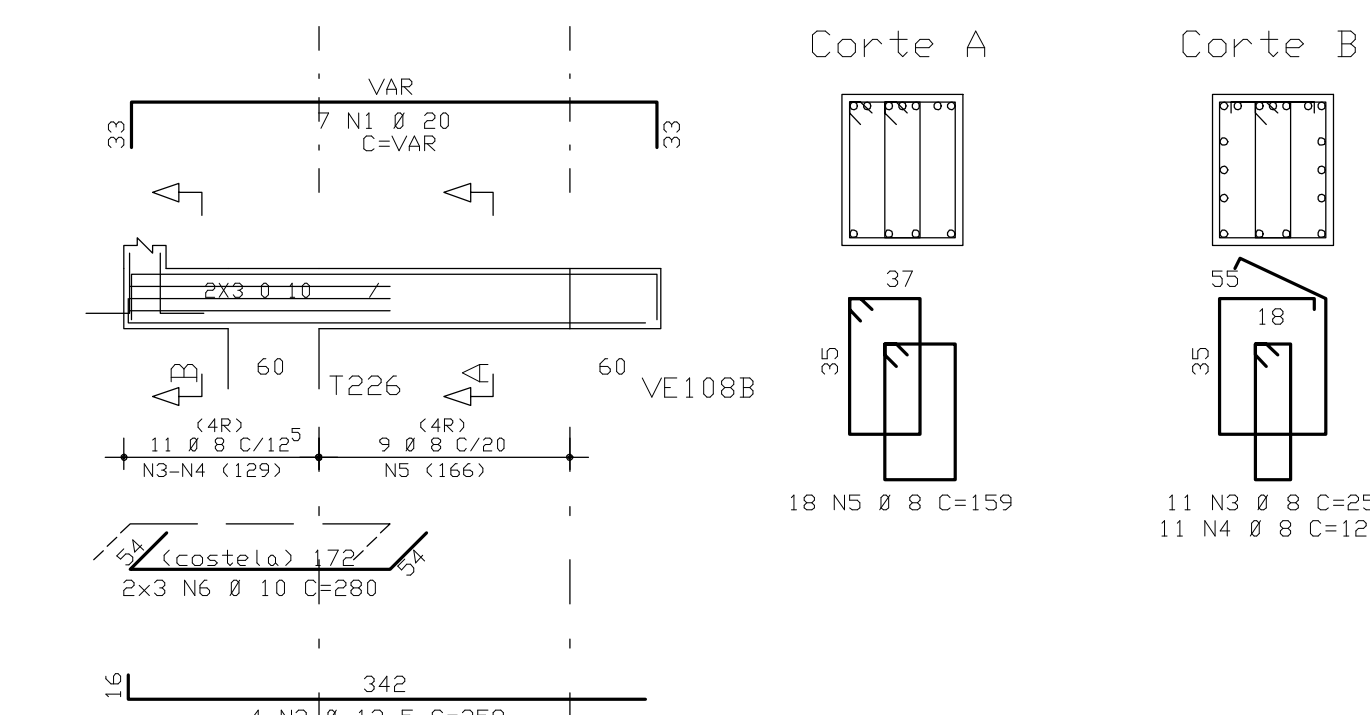
VE108B 60/40



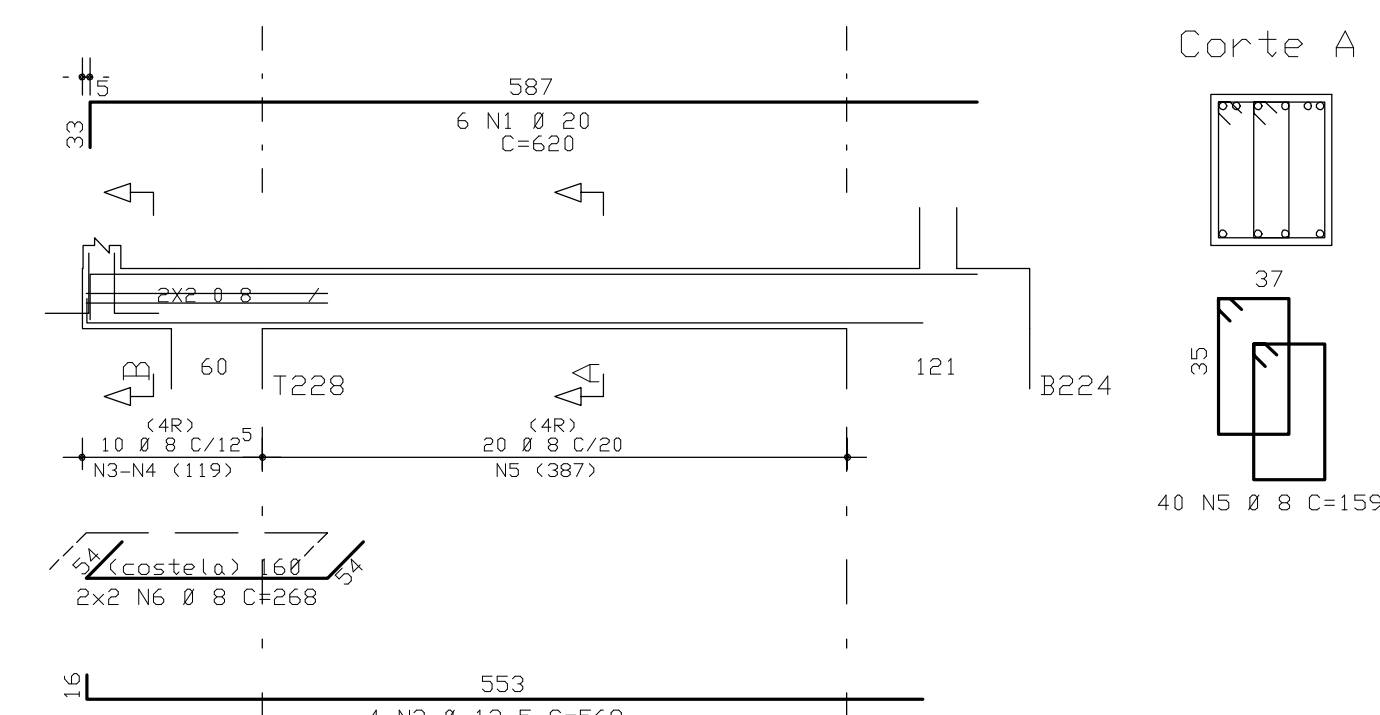
VE107B 60/40



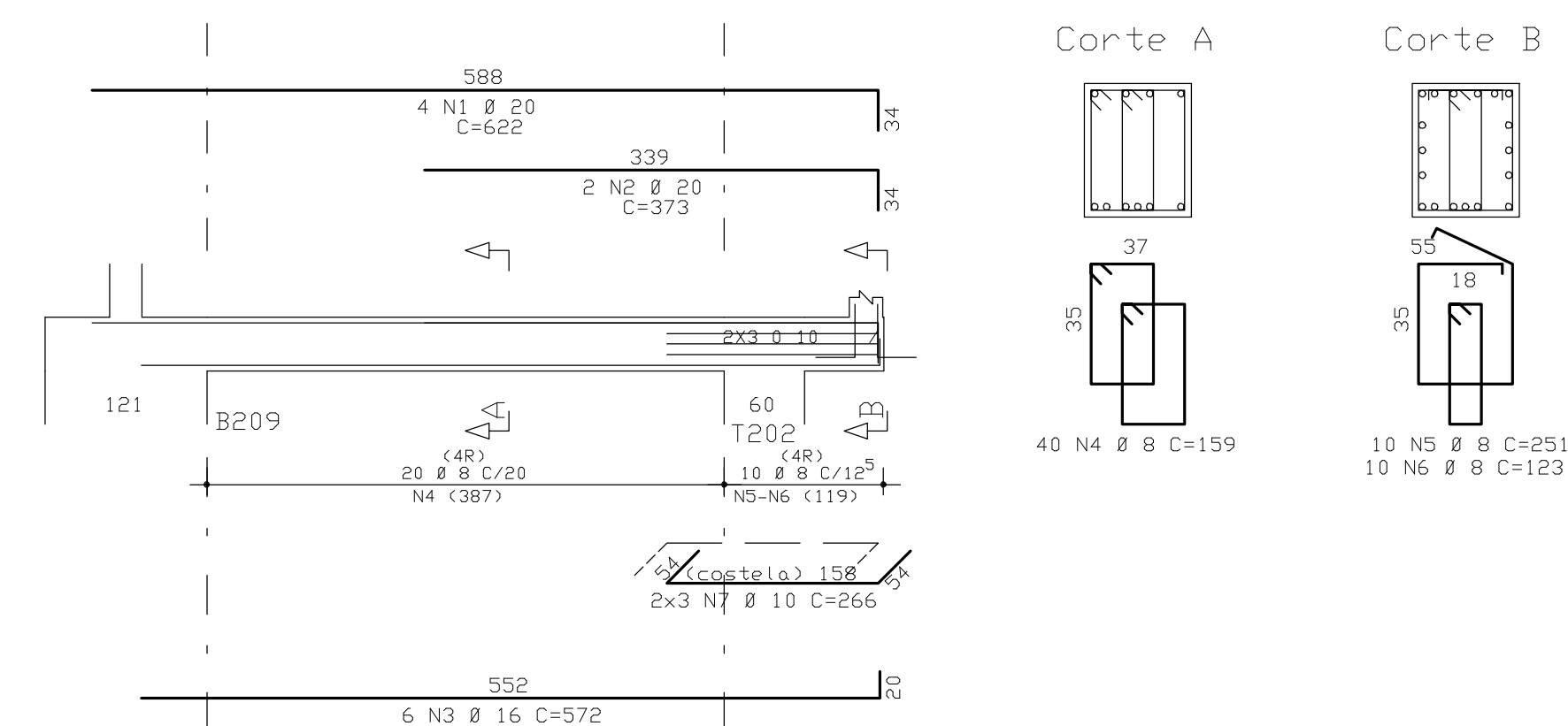
VE109B 60/40



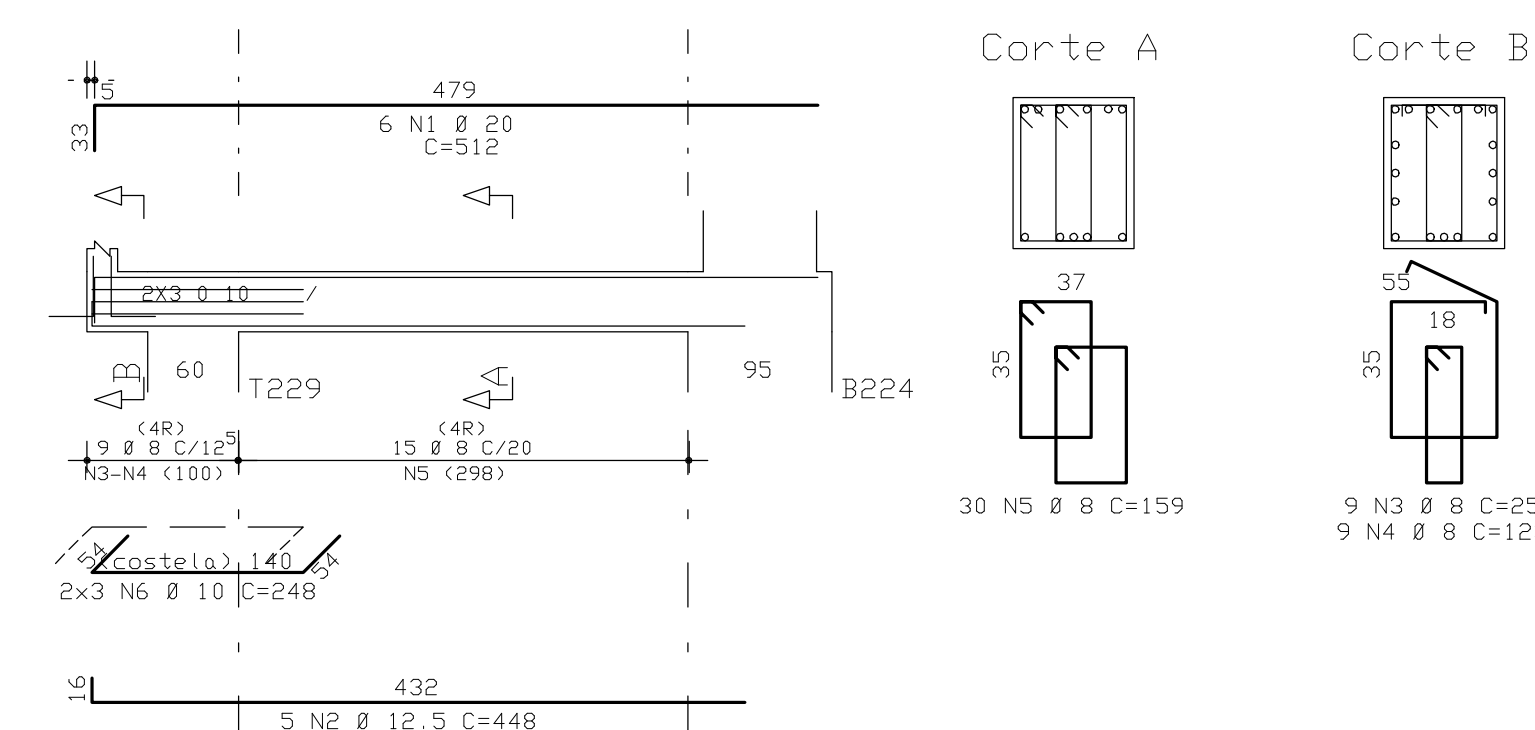
VE110B 60/40



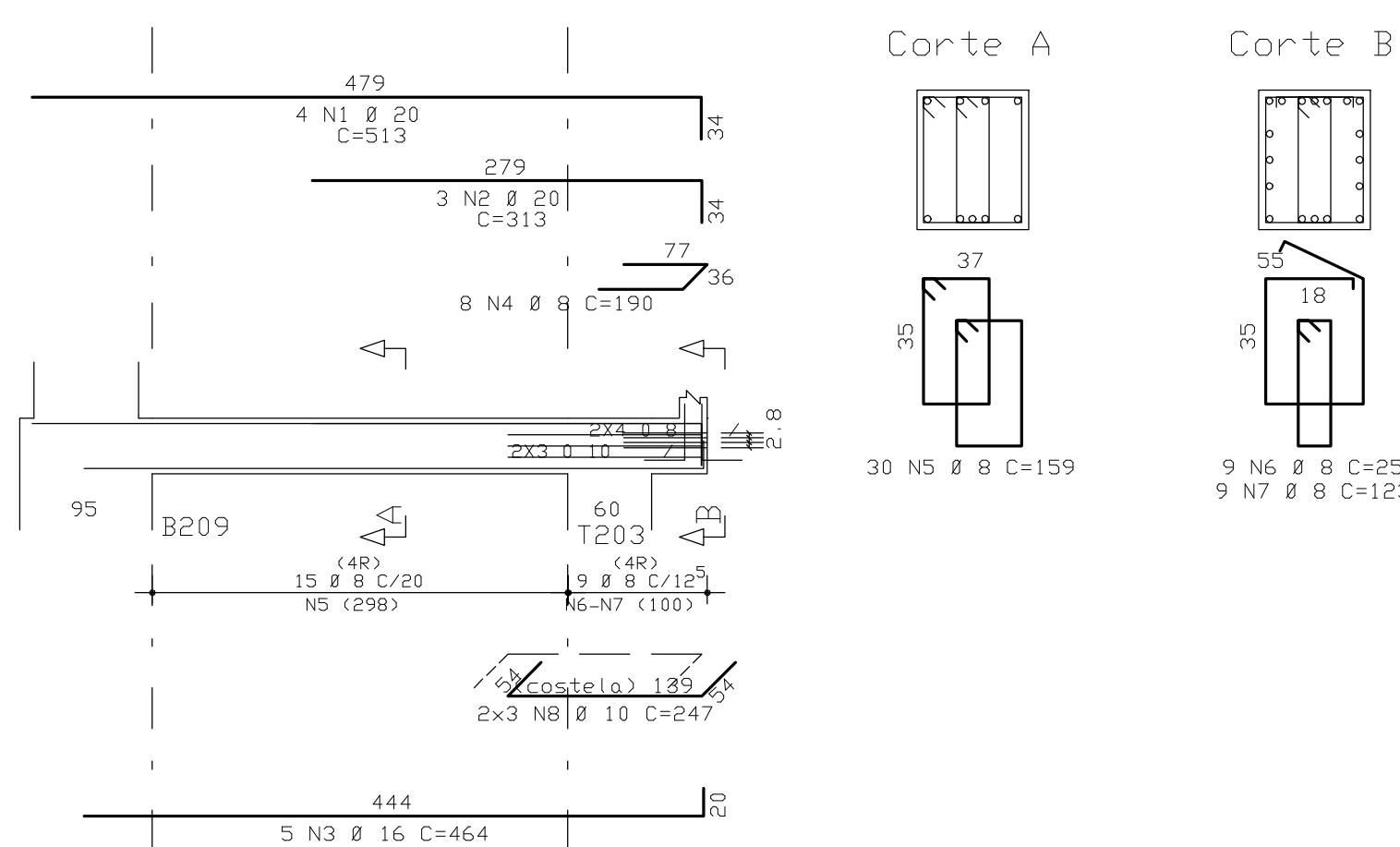
VE 111 B 60/40



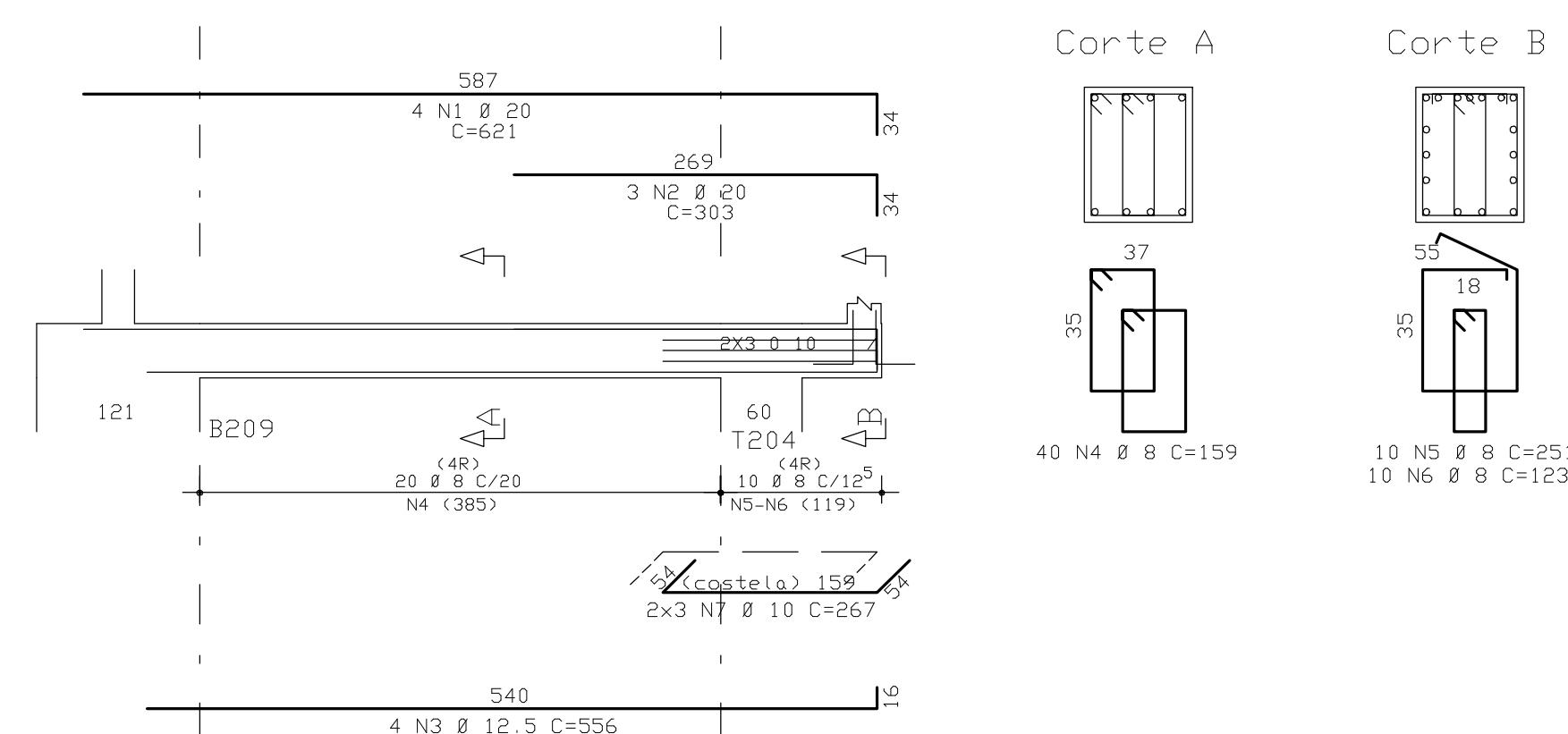
VE112B 60/40



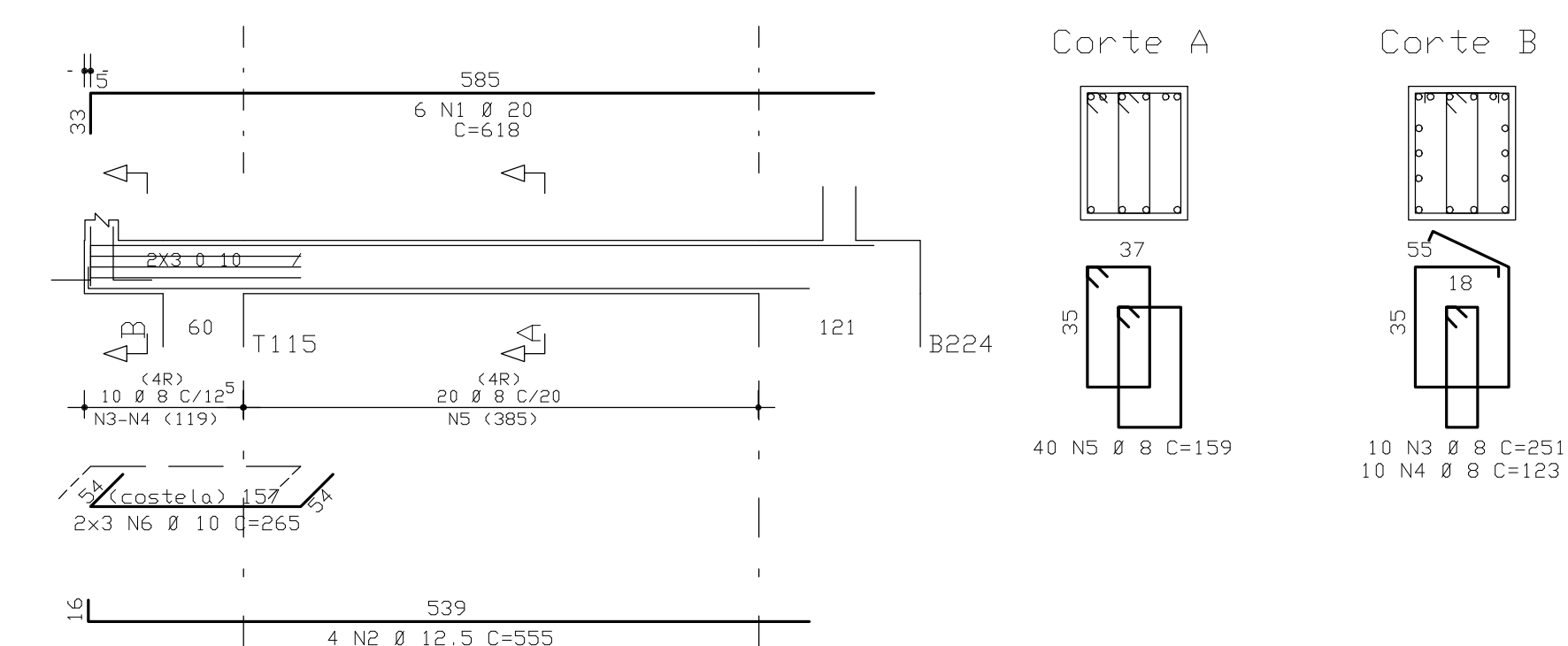
VE 113B 60/40



VE 114B 60/40



VE115B 60/40



	ACC	PDS	BIT	COMPIMENTO		ACC	PDS	BIT	COMPIMENTO					
				UNIT	TOTAL				UNIT	TOTAL				
				(cm)	(cm)				(cm)	(cm)				
VE101B	S0A	1	20	8	--VAR--	3376	S0A	1	20	12	--VAR--	8880		
	S0A	2	12,5	4	367	1468	S0A	2	12,5	4	--VAR--	2828		
	S0A	3	8	10	123	2510	S0A	3	8	10	48	255	1240	
	S0A	4	8	10	123	1620	S0A	4	10	48	127	4796		
	S0A	5	8	20	159	3180	S0A	5	10	6	782	4650		
	S0A	6	10	6	367	1402								
VE102B	S0A	1	20	9	--VAR--	6811	S0A	1	20	7	--VAR--	8898		
	S0A	2	12,5	4	--VAR--	2884	S0A	3	8	12,5	4	11	251	2761
	S0A	3	10	48	205	12040	S0A	4	8	10	11	123	1353	
	S0A	4	10	48	127	6095	S0A	5	8	10	15	159	159	
	S0A	5	10	6	797	4782	S0A	6	10	6	280	1680		
VE103B	S0A	1	20	4	687	2748	S0A	1	20	6	628	3720		
	S0A	2	20	2	353	706	S0A	2	12,5	4	569	2876		
	S0A	3	20	50	594	2564	S0A	3	8	10	123	2510		
	S0A	4	16	4	639	2956	S0A	4	8	10	123	1830		
	S0A	5	8	10	251	159	S0A	5	8	8	40	159	159	
	S0A	6	8	10	123	1230	S0A	6	6	8	288	1072		
	S0A	7	8	46	159	7314								
	S0A	8	10	6	367	1608								
VE104B	S0A	1	20	4	534	2136	S0A	1	20	4	622	2488		
	S0A	2	20	2	296	592	S0A	2	20	2	373	746		
	S0A	3	20	2	226	452	S0A	3	16	4	672	336		
	S0A	4	16	194	1944	1944	S0A	4	12,5	8	40	159	6360	
	S0A	5	10	8	226	1808	S0A	5	8	10	251	2510		
	S0A	6	10	8	226	1230	S0A	6	10	8	10	123	1230	
	S0A	7	10	9	127	1413	S0A	7	10	6	266	1596		
	S0A	8	10	34	159	7406								
	S0A	9	10	6	367	14756								
VE105B	S0A	1	20	4	846	2584	S0A	1	20	6	512	3072		
	S0A	2	20	3	286	898	S0A	2	12,5	5	418	2240		
	S0A	3	12,5	5	582	2910	S0A	3	8	10	123	1107		
	S0A	4	8	10	251	159	S0A	4	8	8	30	159	159	
	S0A	5	8	10	123	1830	S0A	5	8	10	6	248	1488	
	S0A	6	8	10	47	1678								
	S0A	7	10	6	878	1620								
VE106B	S0A	1	20	4	834	2136	S0A	1	20	4	513	2092		
	S0A	2	20	2	244	488	S0A	2	20	2	313	936		
	S0A	3	20	5	2305	47	S0A	3	16	4	664	2680		
	S0A	4	8	6	190	1140	S0A	4	8	8	30	159	1520	
	S0A	5	8	9	2259	9	S0A	5	8	8	291	1520		
	S0A	6	8	9	123	1107	S0A	6	8	10	251	2510		
	S0A	7	8	34	159	5406	S0A	7	8	10	123	1230		
	S0A	8	10	6	367	14756								
VE107B	S0A	1	20	4	665	2660	S0A	1	20	4	621	2484		
	S0A	2	20	3	324	972	S0A	2	20	2	303	903		
	S0A	3	12,5	5	601	3050	S0A	3	12,5	4	568	2824		
	S0A	4	8	10	251	159	S0A	4	8	10	251	2510		
	S0A	5	8	10	123	1830	S0A	5	8	10	123	1230		
	S0A	6	8	10	47	1678	S0A	6	8	10	123	1230		
	S0A	7	10	6	878	1620	S0A	7	10	6	267	1582		
VE108B	S0A	1	20	12	--VAR--	8880	S0A	1	20	12	--VAR--	8880		
	S0A	2	12,5	4	--VAR--	2828	S0A	2	12,5	4	--VAR--	2828		
	S0A	3	8	10	48	255	S0A	3	8	10	48	255	1240	
	S0A	4	10	48	127	4796	S0A	4	10	48	127	4796		
	S0A	5	10	6	782	4650	S0A	5	10	6	782	4650		
VE109B	S0A	1	20	7	--VAR--	8898	S0A	1	20	7	--VAR--	8898		
	S0A	3	8	12,5	4	11	S0A	3	8	12,5	4	11	251	2761
	S0A	4	8	10	11	123	S0A	4	8	10	11	123	1353	
	S0A	5	8	10	15	159	S0A	5	8	10	15	159	159	
	S0A	6	10	6	280	1680	S0A	6	10	6	280	1680		
VE110B	S0A	1	20	6	628	3720	S0A	1	20	6	628	3720		
	S0A	2	12,5	4	569	2876	S0A	2	12,5	4	569	2876		
	S0A	3	8	10	123	2510	S0A	3	8	10	123	2510		
	S0A	4	8	10	123	1830	S0A	4	8	10	123	1830		
	S0A	5	8	8	40	159	S0A	5	8	8	40	159	159	
	S0A	6	6	8	288	1072	S0A	6	6	8	288	1072		
VE111B	S0A	1	20	4	622	2488	S0A	1	20	4	622	2488		
	S0A	2	20	2	373	746	S0A	2	20	2	373	746		
	S0A	3	16	4	672	336	S0A	3	16	4	672	336		
	S0A	4	12,5	8	40	159	S0A	4	12,5	8	40	159	6360	
	S0A	5	8	10	251	2510	S0A	5	8	10	251	2510		
	S0A	6	10	8	10	123	S0A	6	10	8	10	123	1230	
	S0A	7	10	6	266	1596	S0A	7	10	6	266	1596		
VE112B	S0A	1	20	6	512	3072	S0A	1	20	6	512	3072		
	S0A	2	12,5	5	418	2240	S0A	2	12,5	5	418	2240		
	S0A	3	8	10	123	1107	S0A	3	8	10	123	1107		
	S0A	4	8	8	30	159	S0A	4	8	8	30	159	159	
	S0A	5	8	10	6	248	S0A	5	8	10	6	248	1488	
VE113B	S0A	1	20	4	513	2092	S0A	1	20	4	513	2092		
	S0A	2	20	2	313	936	S0A	2	20	2	313	936		
	S0A	3	16	4	664	2680	S0A	3	16	4	664	2680		
	S0A	4	8	8	30	159	S0A	4	8	8	30	159	1520	
	S0A	5	8	8	291	1520	S0A	5	8	8	291	1520		
	S0A	6	8	10	251	2510	S0A	6	8	10	251	2510		
	S0A	7	8	10	123	1230	S0A	7	8	10	123	1230		
	S0A	8	10	6	267	1582	S0A	8	10	6	267	1582		
VE114B	S0A	1	20	4	621	2484	S0A	1	20	4	621	2484		
	S0A	2	20	2	303	903	S0A	2	20	2	303	903		
	S0A	3	12,5	4	568	2824	S0A	3	12,5	4	568	2824		
	S0A	4	8	10	123	1230	S0A	4	8	10	123	1230		
	S0A	5	8	10	251	2510	S0A	5	8	10	251	2510		
	S0A	6	8	10	123	1230	S0A	6	8	10	123	1230		
	S0A	7	10	6	267	1582	S0A	7	10	6	267	1582		
VE115B	S0A	1	20	6	518	3708	S0A	1	20	6	518	3708		
	S0A	2	12,5	4	555	2820	S0A	2	12,5	4	555	2820		
	S0A	3	8	10	251	2510	S0A	3	8	10	251	2510		
	S0A	4	8	10	123	1230	S0A	4	8	10	123	1230		
	S0A	5	8	10	123	1230	S0A	5	8	10	123	1230		
	S0A	6	8	10	123	1230	S0A	6	8	10	123	1230		
	S0A	7	10	6	267	1582	S0A	7	10	6	267	1582		

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
50A	8	1207	483
50A	10	702	442
50A	12.5	298	238
50A	16	103	164
50A	20	521	1303
50A	25	68	273
Peso Total	50A =		2924 kg

FCK = 35 MPa
EC = 28 GPa (MÓDULO DE ELASTICIDADE SECANTE)
A/C = 0,65 (FATOR AGUA CIMENTO)

