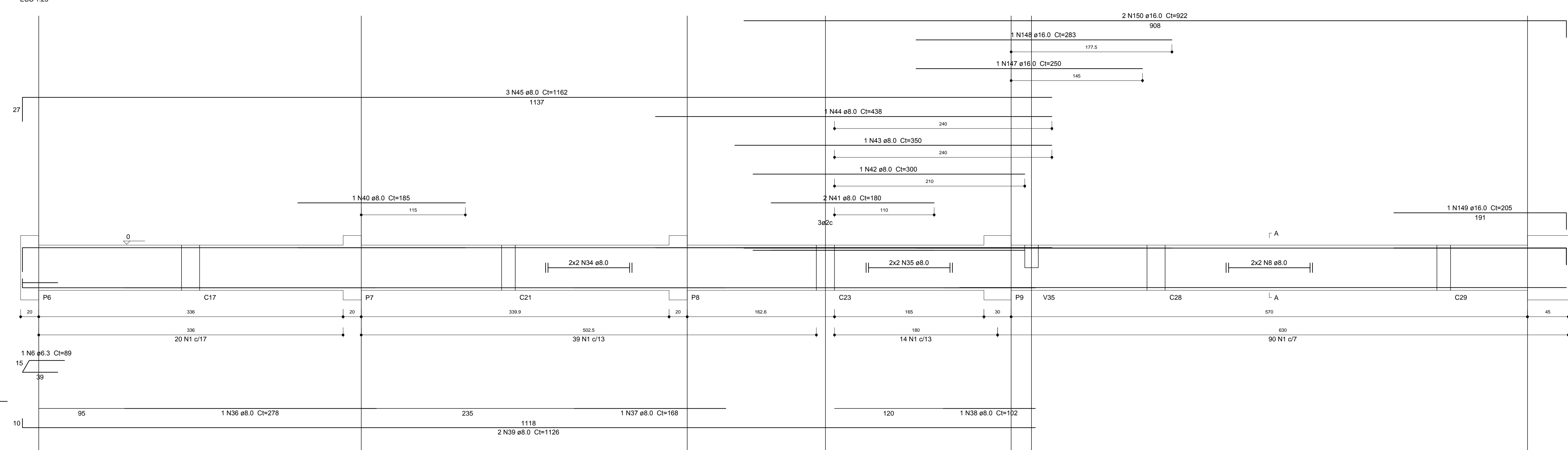
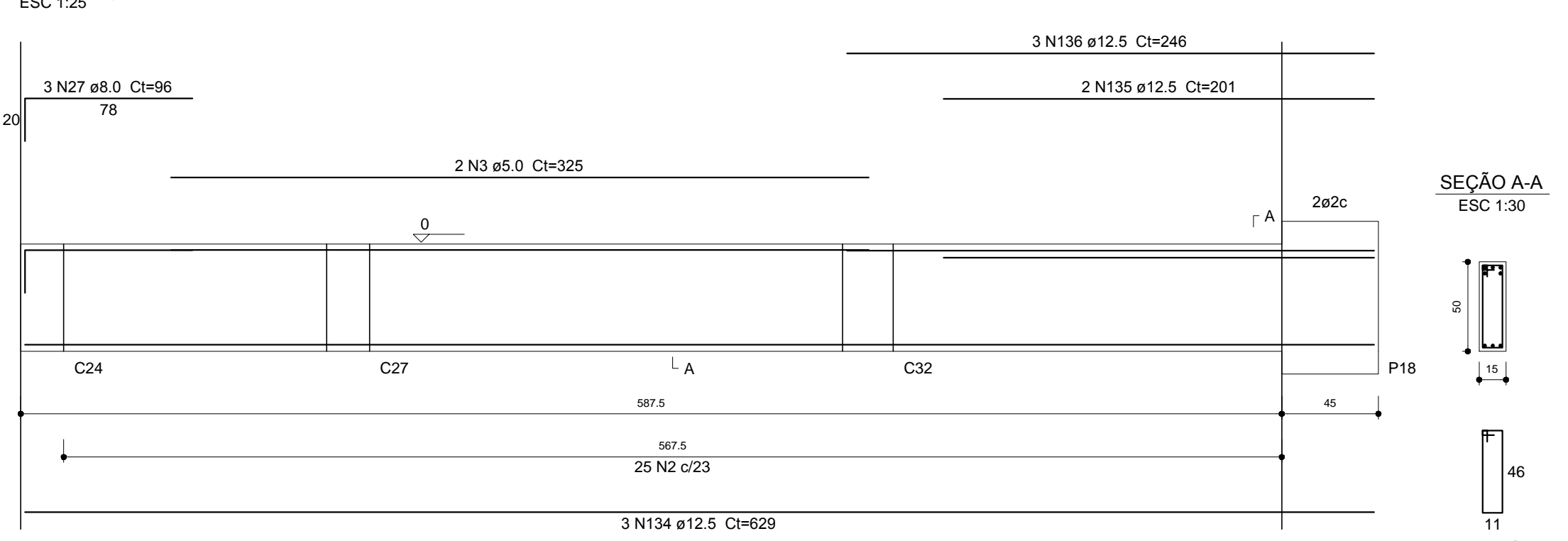


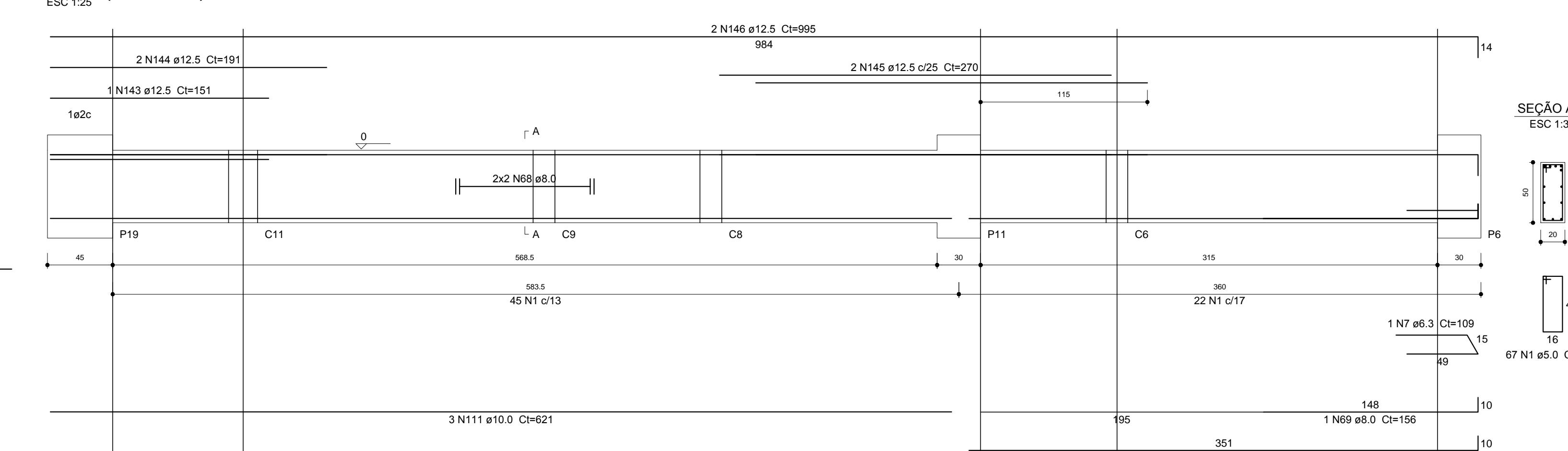
C5 (20 x 50)



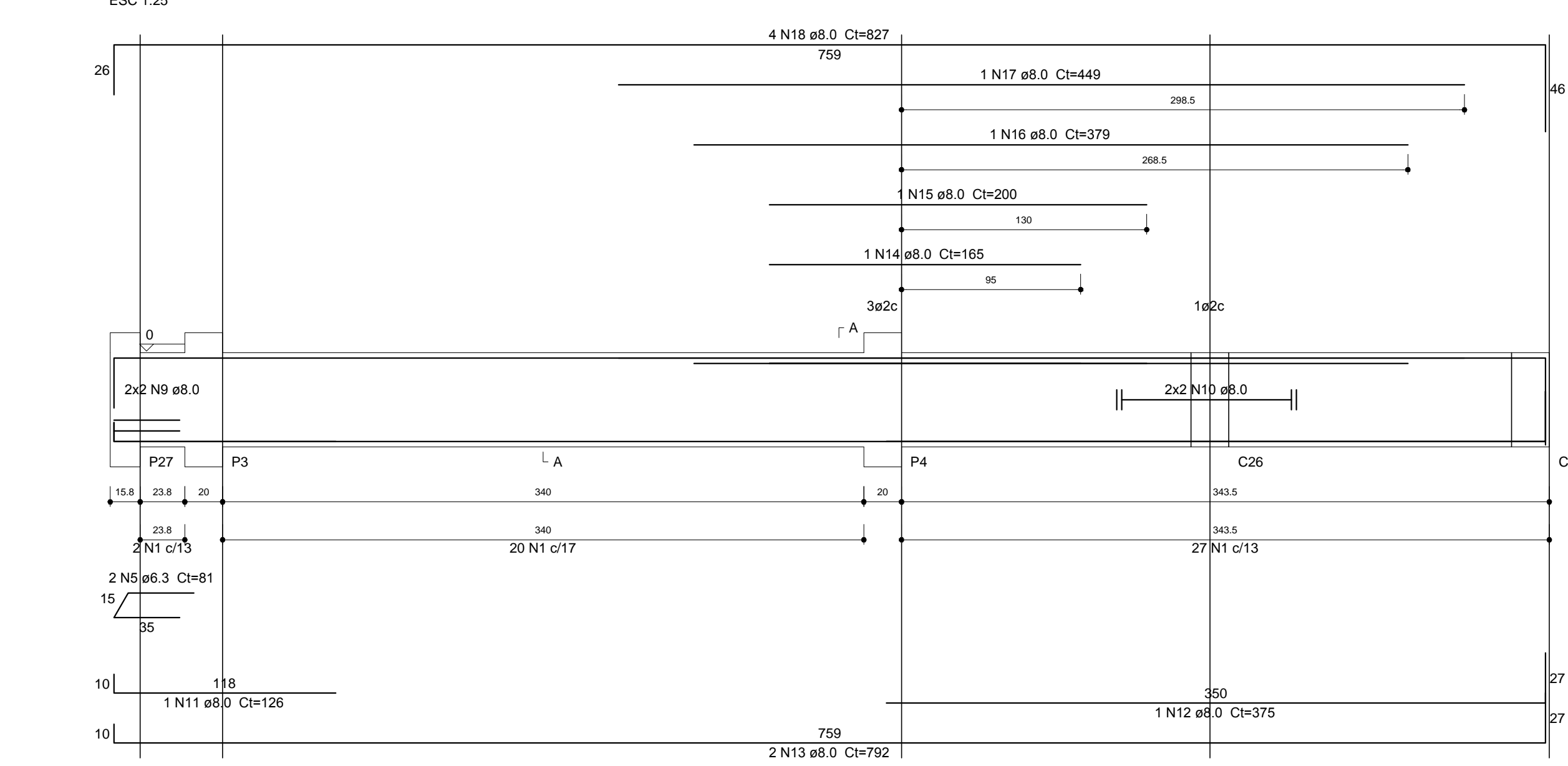
C10 (15 x 50)



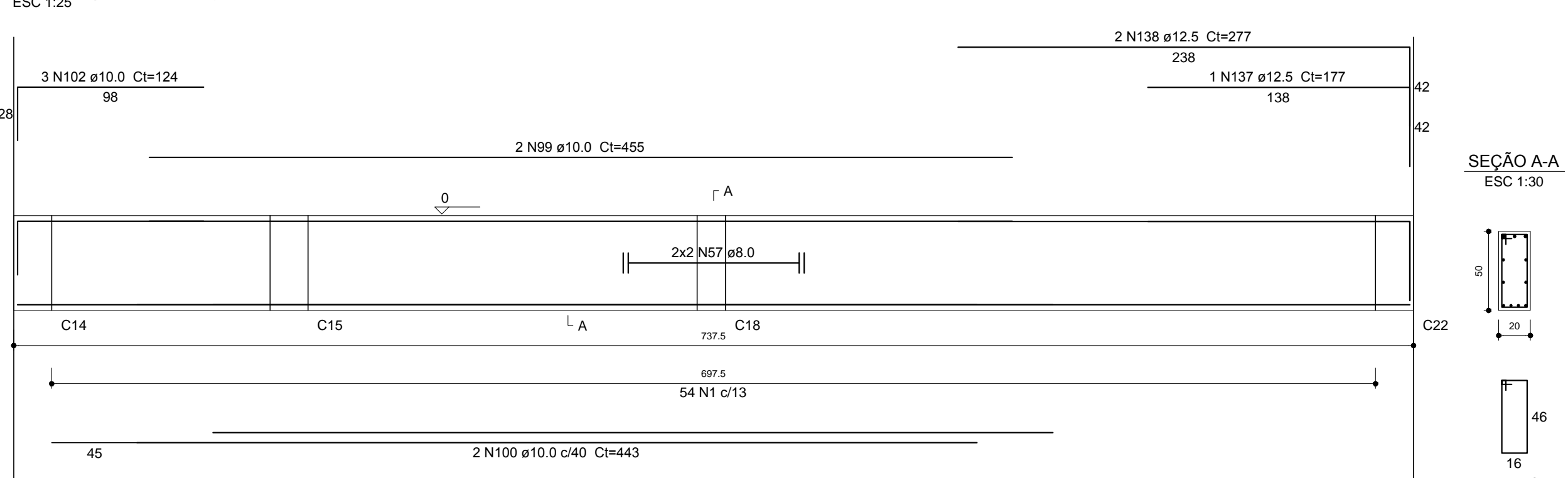
C14 (20 x 50)



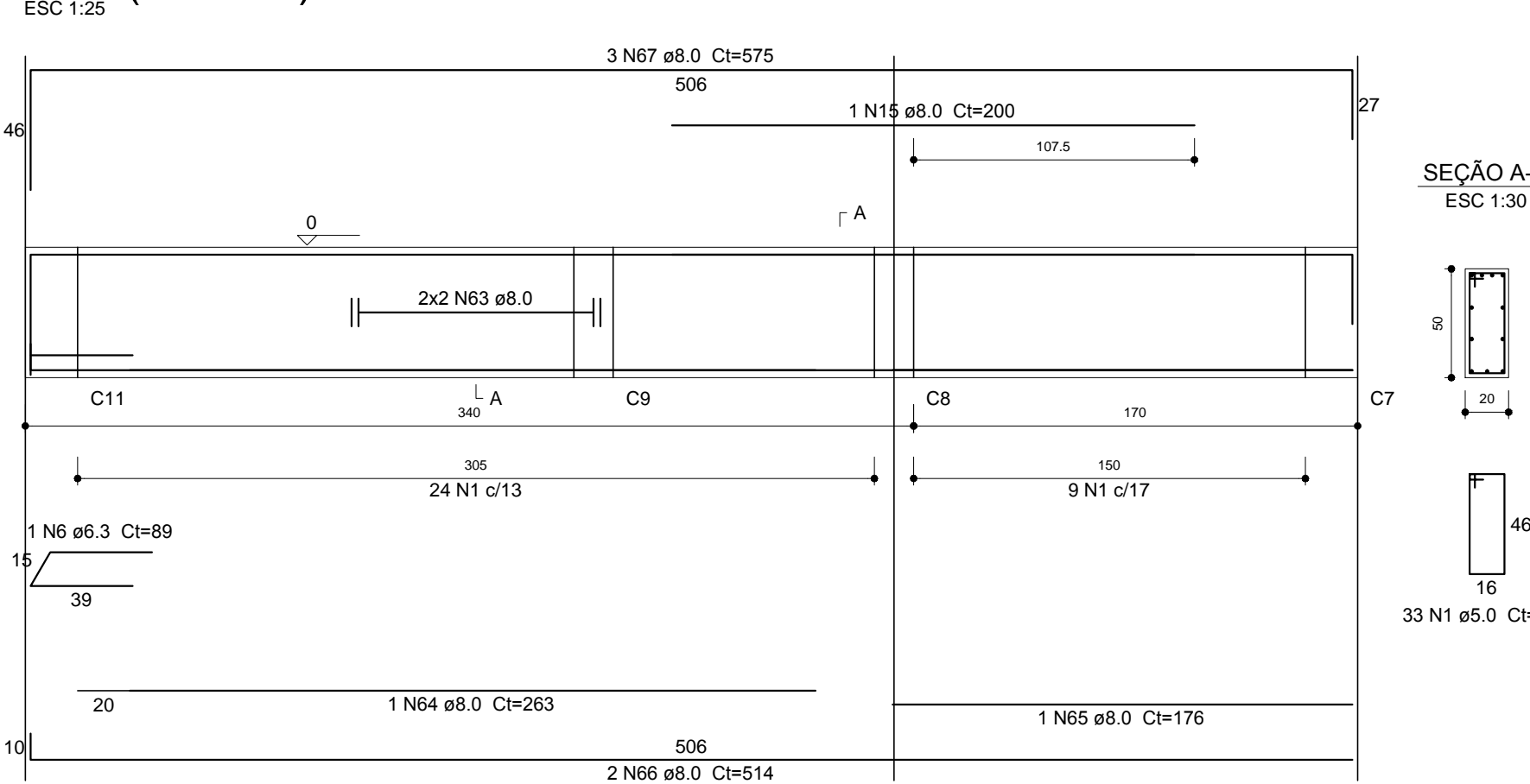
C2 (20 x 50)



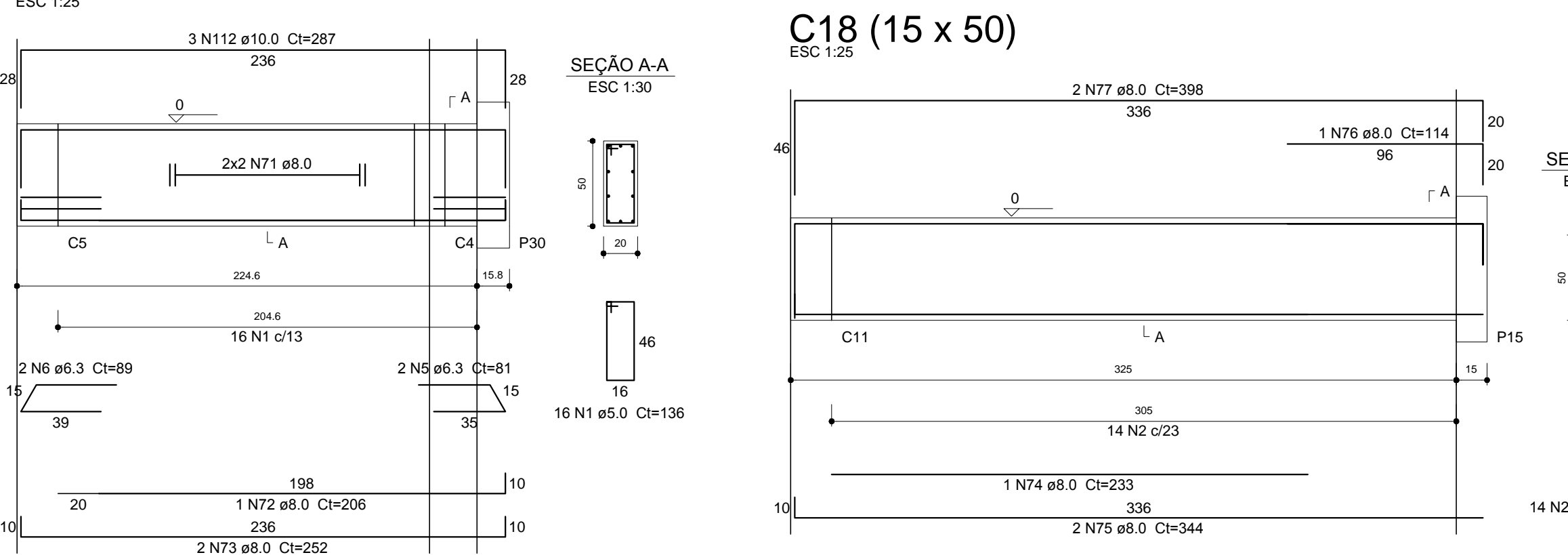
C11 (20 x 50)



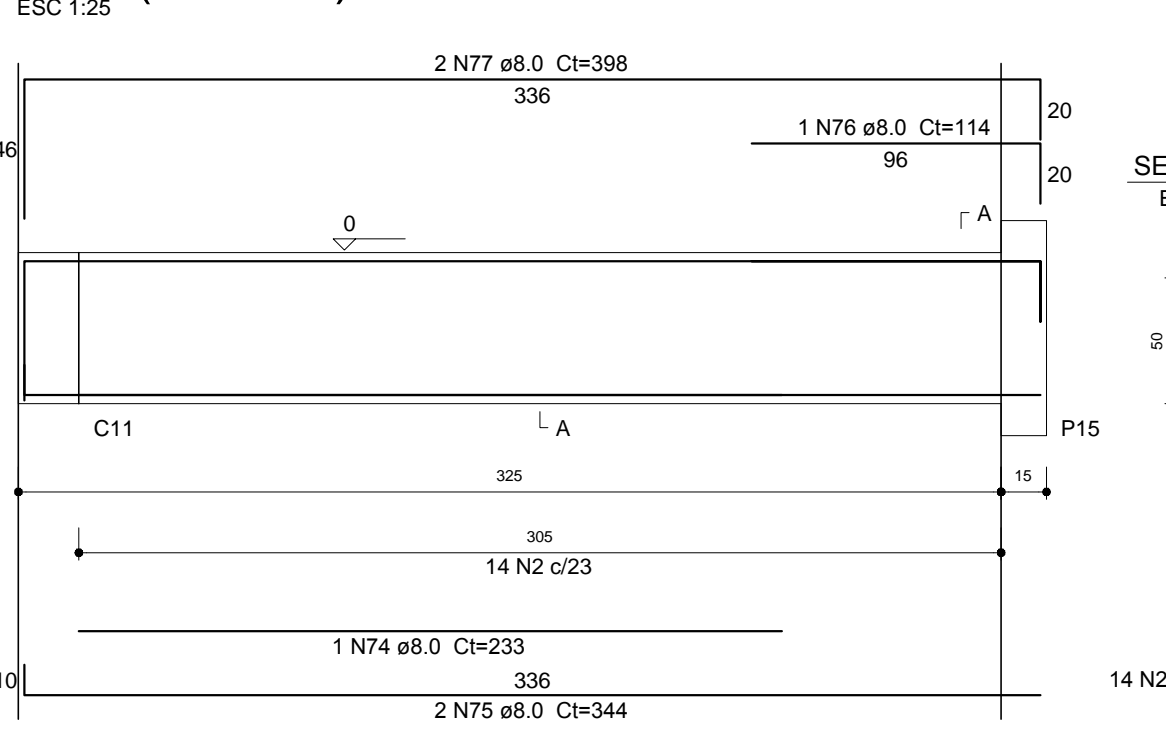
C15 (20 x 50)



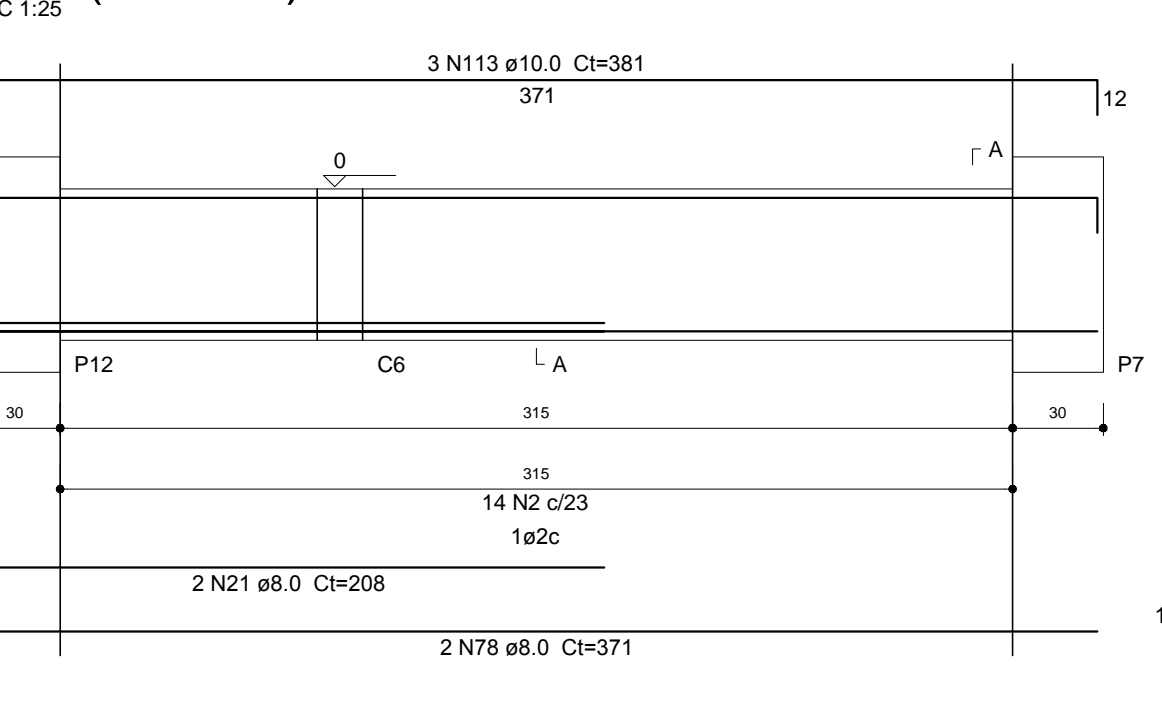
C17 (20 x 50)



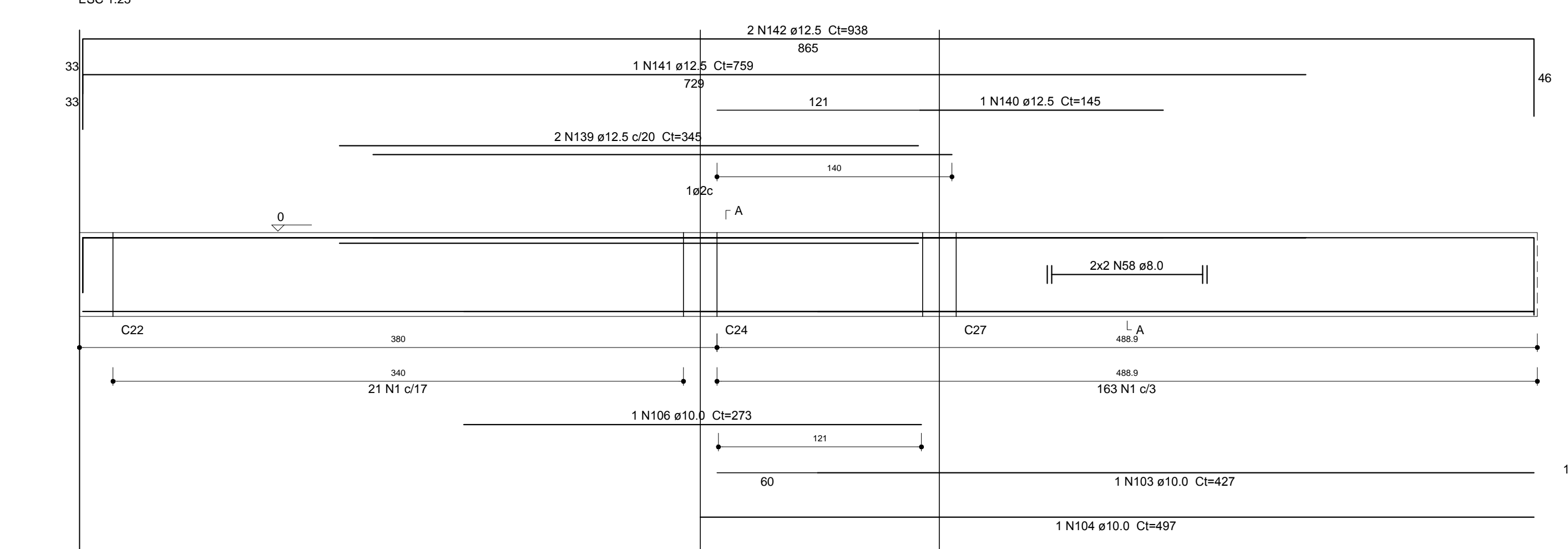
C18 (15 x 50)



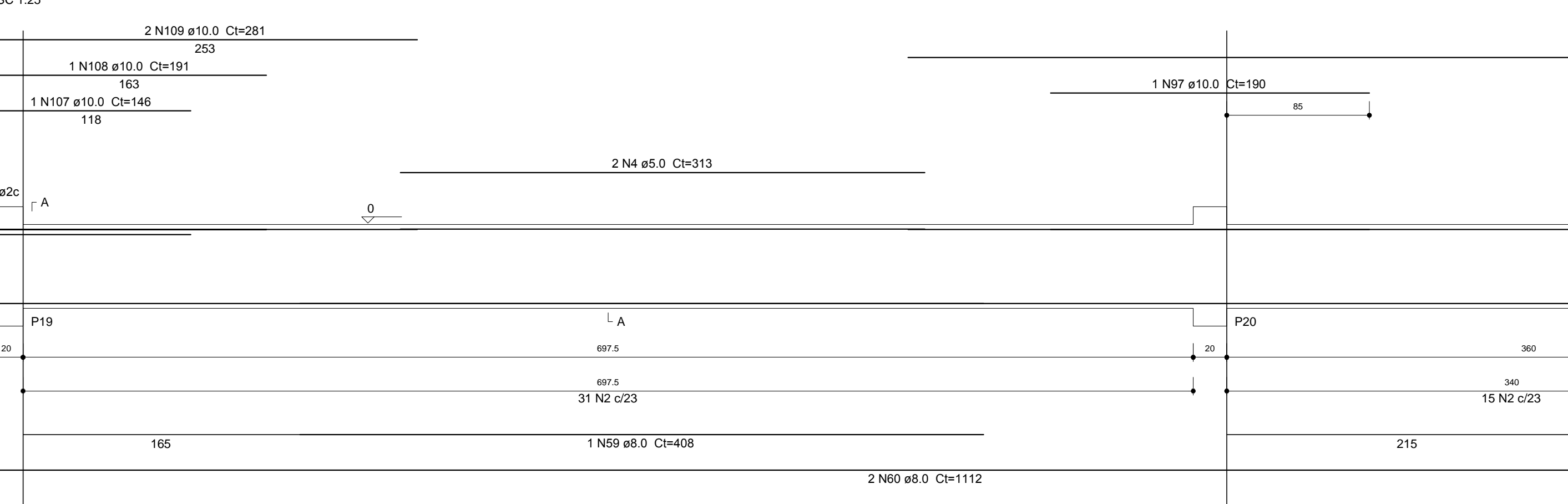
C19 (15 x 50)



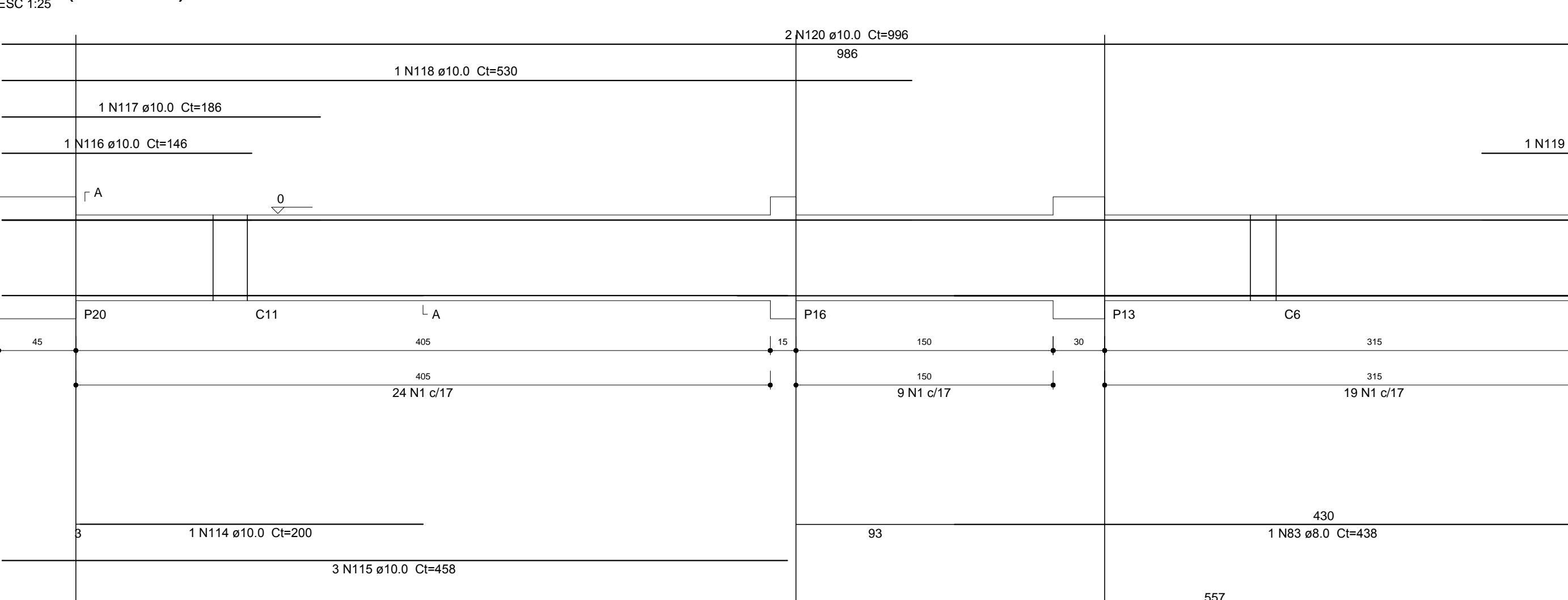
C12 (20 x 50)



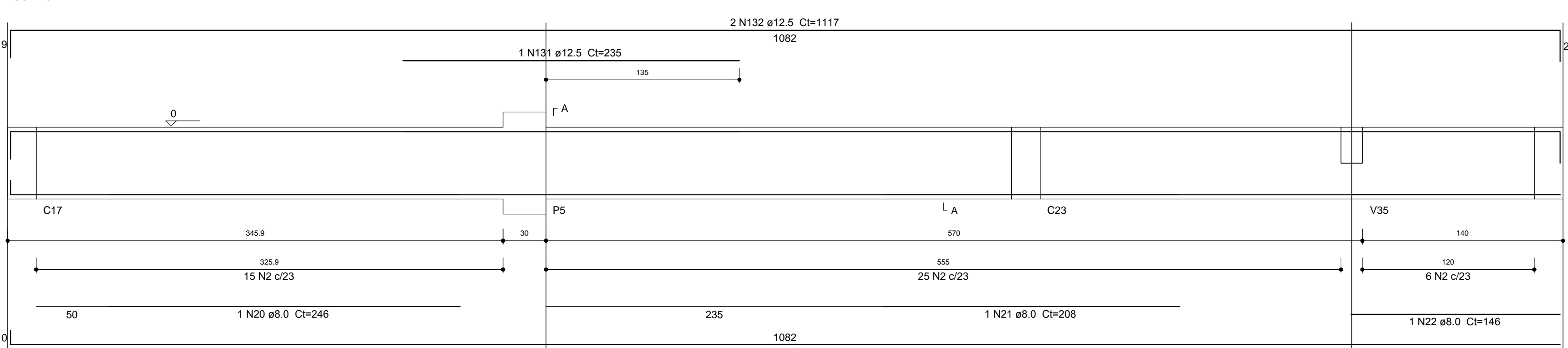
C13 (15 x 50)



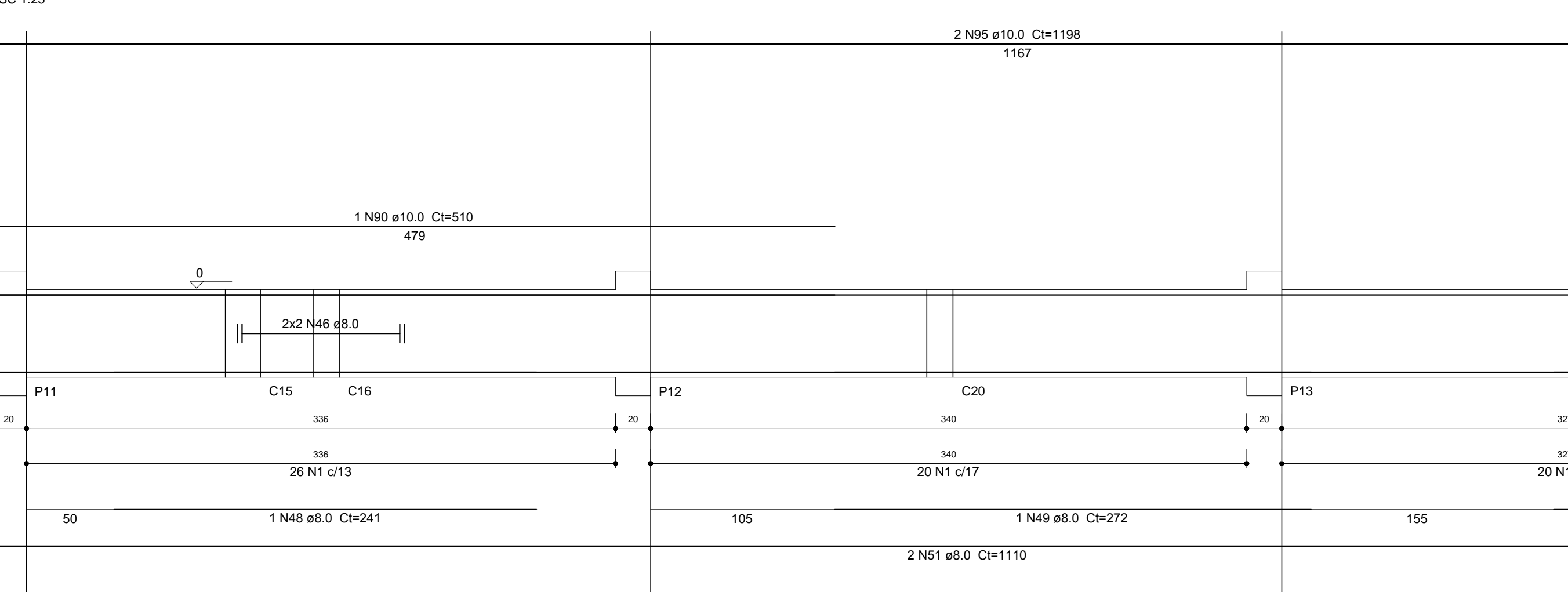
C22 (20 x 50)



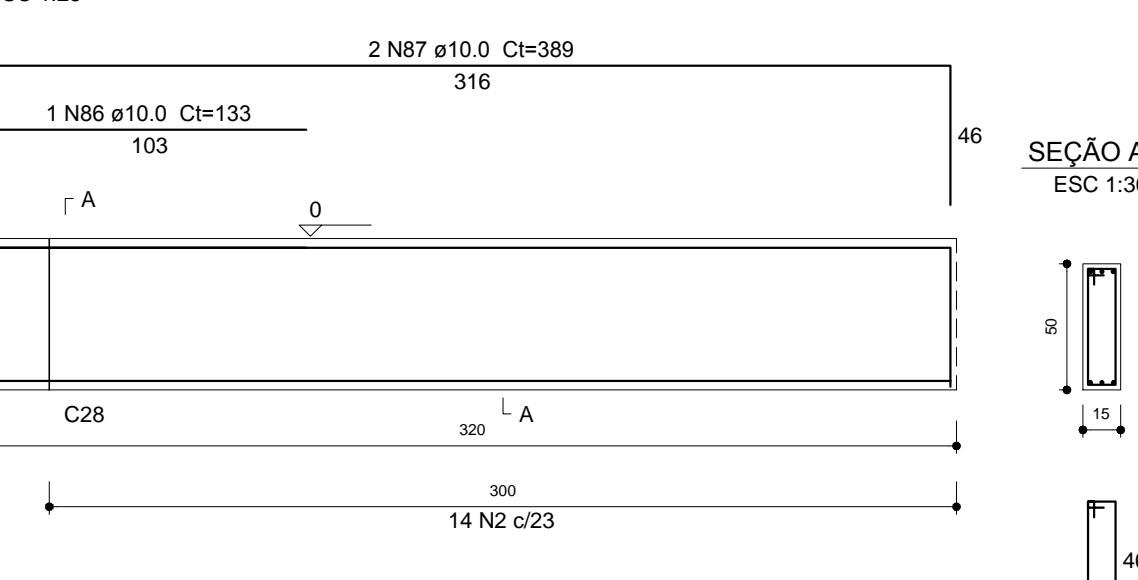
C4 (15 x 50)



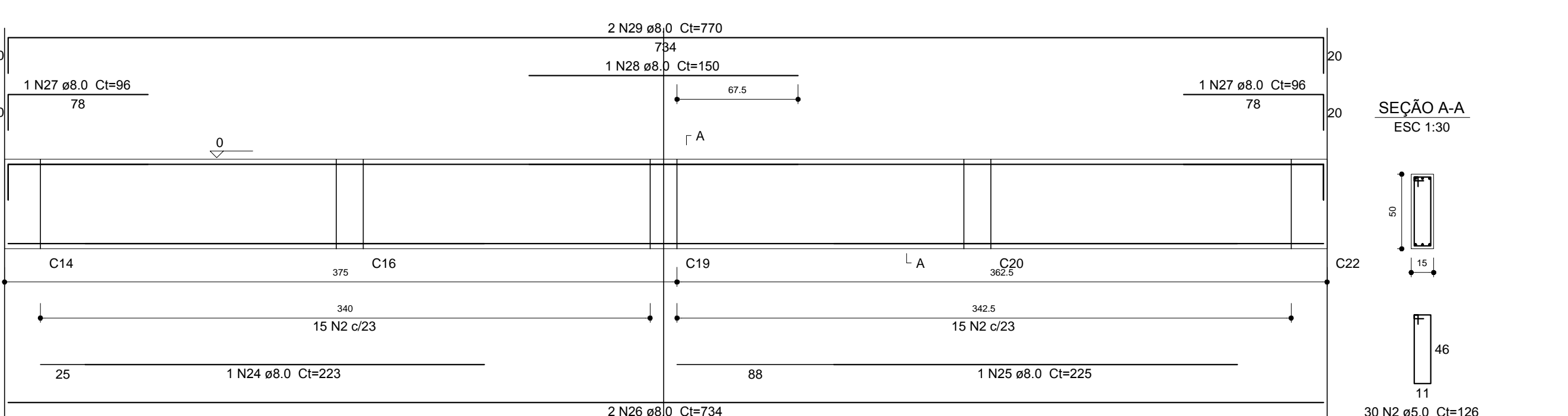
C7 (20 x 50)



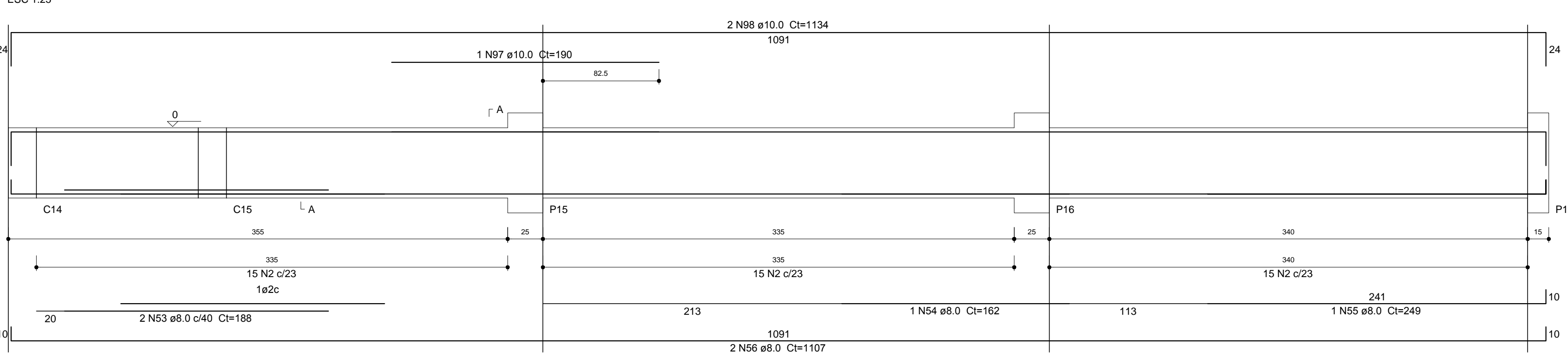
C3 (15 x 50)



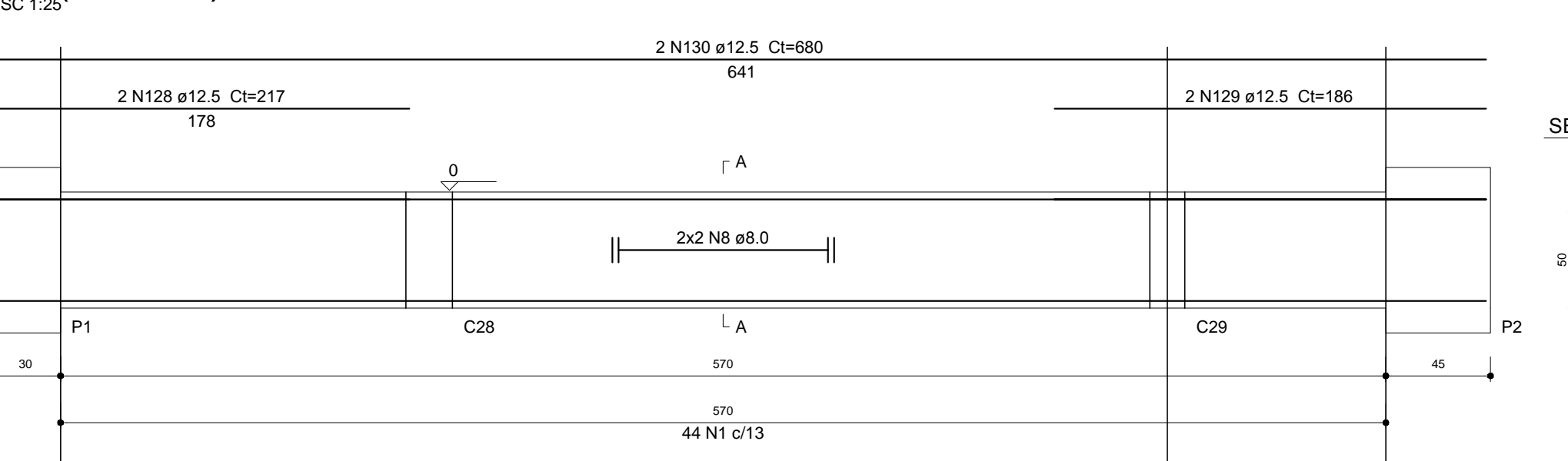
C6 (15 x 50)



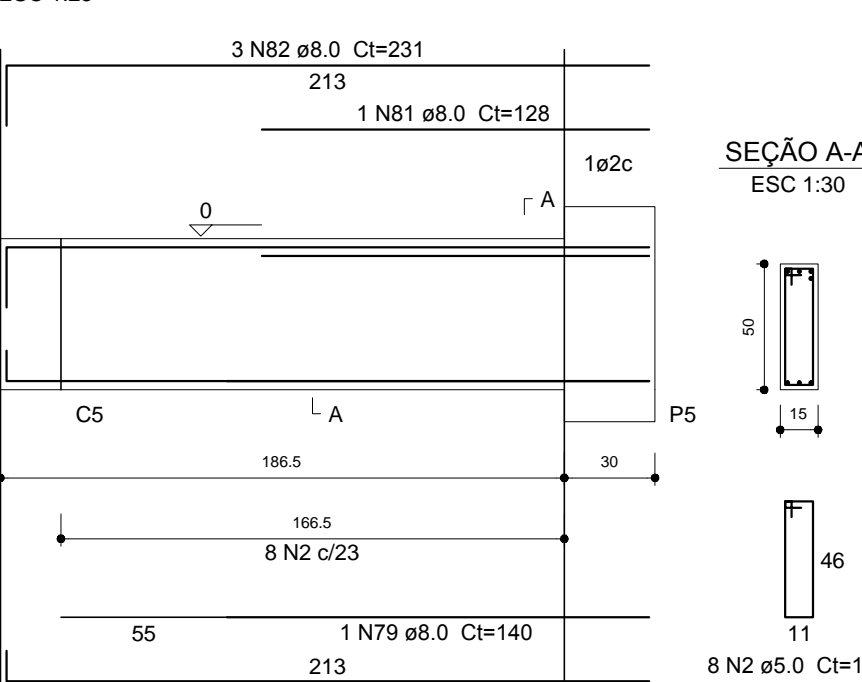
C8 (15 x 50)



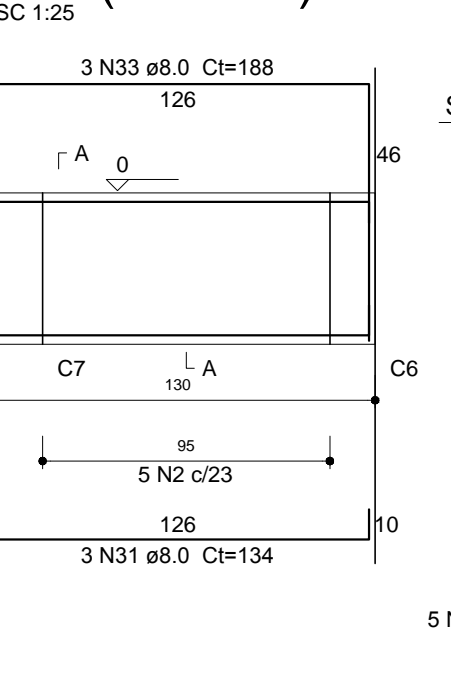
C1 (20 x 50)



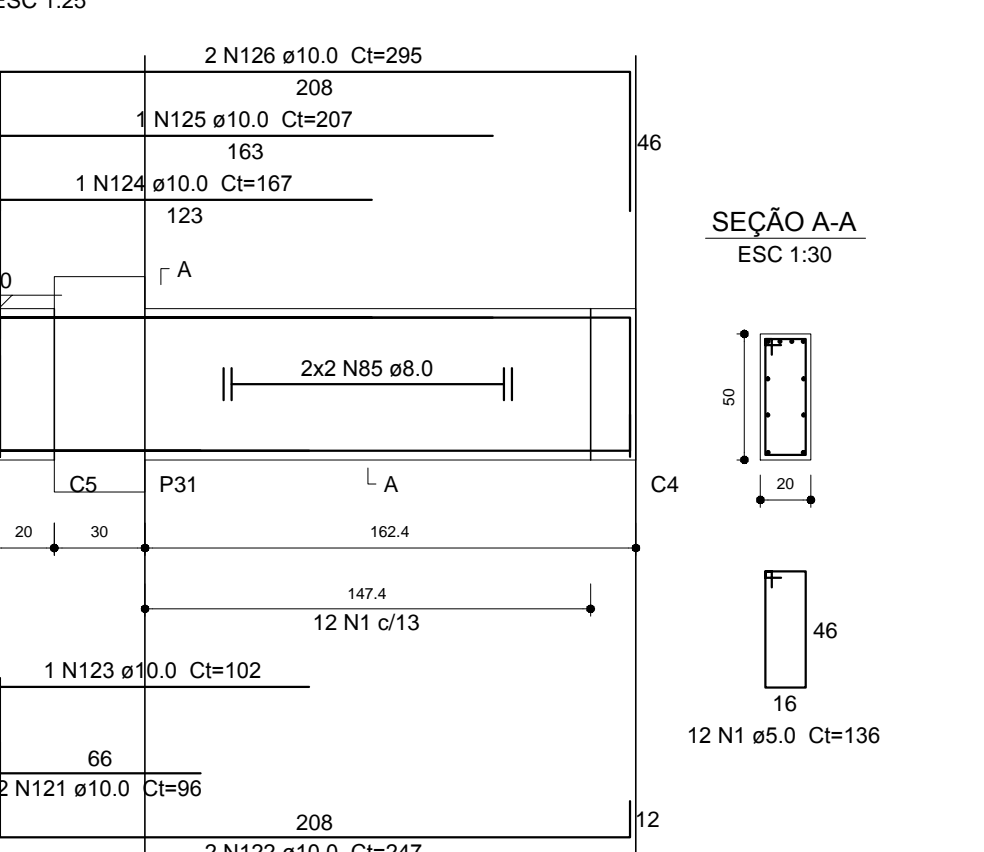
C21 (15 x 50)



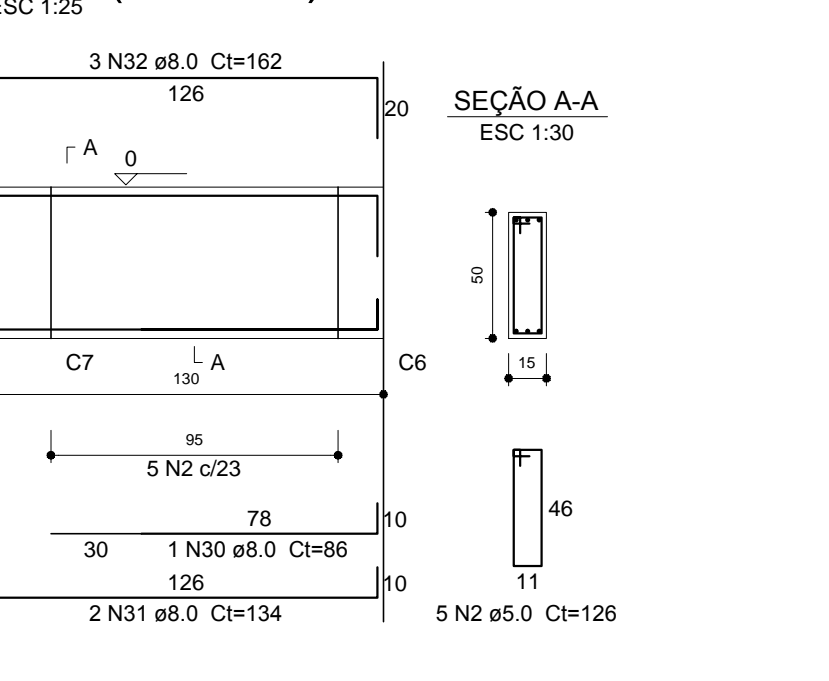
C20 (15 x 50)



C23 (20 x 50)



C16 (15 x 50)



Relação do aço												
ACO	N	DIAM	O	UNID	C TOTAL	UNID	C TOTAL	UNID	C TOTAL			
C1	1	5.0	784	136	10624	C2	2	5.0	207	3442		
	2	5.0	207	3442	3442	C3	3	5.0	2	305	600	
	C4	4	5.0	2	113	224	C5	5	5.0	4	81	324
		5	5.0	4	81	324	C6	6	5.0	2	200	400
	C7	7	5.0	4	208	836	C8	8	5.0	2	198	396
		8	5.0	2	198	396	C9	9	5.0	4	208	836
	C10	10	5.0	4	208	836	C11	11	5.0	4	208	836
		11	5.0	4	208	836	C12	12	5.0	4	208	836
	C13	13	5.0	4	208	836	C14	14	5.0	4	208	836
		14	5.0	4	208	836	C15	15	5.0	4	208	836
	C16	16	5.0	4	208	836	C17	17	5.0	4	208	836
		17	5.0	4	208	836	C18	18	5.0	4	208	836
	C19	19	5.0	4	208	836	C20	20	5.0	4	208	836
		20	5.0	4	208	836	C21	21	5.0	4	208	836
	C22	22	5.0	4	208	836						
		23	5.0	4	208	836						
	C24	24	5.0	2	770	1464	C25	25	5.0	2	770	1464
		26	5.0	2	770	1464						
	C27	27	5.0	4	208	836	C28	28	5.0	4	208	836
		29	5.0	4	208	836						
C30	30	5.0	4	208	836	C31	31	5.0	4	208	836	
	32	5.0	4	208	836							
C33	33	5.0	4	208	836	C34	34	5.0	4	208	836	
	35	5.0	4	208	836							
C36	36	5.0	4	208	836	C37	37	5.0	4	208	836	
	38	5.0	4	208	836							
C39	39	5.0	4	208	836	C40	40	5.0	4	208	836	
	41	5.0	4	208	836							
C42	42	5.0	4	208	836	C43	43	5.0	4	208	836	
	44	5.0	4	208	836							
C45	45	5.0	4	208	836	C46	46	5.0	4	208	836	
	47	5.0	4	208	836							
C48	48	5.0	4	208	836	C49	49	5.0	4	208	836	
	50	5.0	4	208	836							
C51	51	5.0	4	208	836	C52	52	5.0	4	208	836	
	53	5.0	4	208	836							
C54	54	5.0	2	142	284	C55	55	5.0	2	142	284	
	56	5.0	2	142	284							
C57	57	5.0	2	1107	2214	C58	58	5.0	2	1107	2214	
	59	5.0	2	1107	2214							
C59	59	5.0	4	208	836	C60	60	5.0	4	208	836	
	61	5.0	4	208	836							
C62	62	5.0	4	208	836	C63	63	5.0	4	208	836	
	64	5.0	4	208	836							
C65	65	5.0	4	208	836	C66	66	5.0	4	208	836	
	67	5.0	4	208	836							
C68	68	5.0	4	208	836	C69	69	5.0	4	208	836	
	70	5.0	2	258	516							
C71	71	5.0	2	206	412	C72	72	5.0	2	206	412	
	73	5.0	2	206	412							
C74	74	5.0	1	233	466	C75	75	5.0	1	233	466	
	76	5.0	1	233	466							
C77	77	5.0	2	238	476	C78	78	5.0	2	238	476	
	79	5.0	2	238	476							
C80	80	5.0	1	142	284	C81	81	5.0	1	142	284	
	82	5.0	1	142	284							
C83	83	5.0	1	138	276	C84	84	5.0	1	138	276	
	85	5.0	1	138	276							
C86	86	5.0	1	439	878	C87	87	5.0	1	439	878	
	88	5.0	1	439	878							
C89	89	5.0	1	439	878	C90	90	5.0	1	439	878	
	91	5.0	1	439	878							
C92	92	5.0	1	132	264	C93	93	5.0	1	132	264	
	94	5.0	1	132	264							
C95	95	5.0	1	214	428	C96	96	5.0	1	214	428	
	97	5.0	1	214	428							
C98	98	5.0	1	610	1220	C99	99	5.0	1	610	1220	
	100	5.0	1	610	1220							
C101	101	5.0	2	1186	2372	C102	102	5.0	2	1186	2372	
	103	5.0	2	1186	2372							
C104	104	5.0	2	1186	2372	C105	105	5.0	2	1186	2372	
	106	5.0	2	1186	2372							
C107	107	5.0	2	160	320	C108	108	5.0	2	160	320	
	109	5.0	2	160	320							
C109	109	5.0	2	465	930	C110	110	5.0	2	465	930	
	111	5.0	2	465	930							
C111	111	5.0	2	144	288	C112	112	5.0	2	144	288	
	113	5.0	2	144	288							
C114	114	5.0	2	621	1242	C115	115	5.0	2	621	1242	
	116	5.0	2	621	1242							
C117	117	5.0	3	261	783	C118	118	5.0	3	261	783	
	119	5.0	3	261	783							
C120	120	5.0	2	986	1972	C121	121	5.0	2	986	1972	
	122	5.0	2	986	1972							
C123	123	5.0	2	267	534	C124	124	5.0	2	267	534	
	125	5.0	2	267	534							
C126	126	5.0	1	167	334	C127	127	5.0	1	167	334	
	128	5.0	1	167	334							
C129	129	5.0	2	678	1356	C130	130	5.0	2	678	1356	
	131	5.0	2	678	1356							
C132	132	5.0	2	1186	2372	C133	133	5.0	2	1186	2372	
	134	5.0	2	1186	2372							
C135	135	5.0	4	675	2700	C136	136	5.0	4	675	2700	
	137	5.0	4	675	2700							
C138	138	5.0	2	277	554	C139	139	5.0	2	277	554	
	140	5.0	2	277	554							
C141	141	5.0	1	145	290	C142	142	5.0	1	145	290	
	143	5.0	1	145	290							
C144	144	5.0	2	938	1876	C145	145	5.0	2	938	1876	
	146	5.0	2	938	1876							
C147	147	5.0	2	938	1876	C148	148	5.0	2	938	1876	
	149	5.0	2	938	1876							
C150	150	5.0	2	205	410	C151	151	5.0	2	205	410	
	152	5.0	2	205	410							
C153	153	5.0	2	205	410	C154	154	5.0	2	205	410	
	155	5.0	2	205	410							
C156	156	5.0	2	205	410	C157	157	5.0	2	205	410	
	158	5.0	2	205	410							
C159	159	5.0	2	205	410	C160	160	5.0	2	205	410	
	161	5.0	2	205	410							
C162	162	5.0	2	205	410	C163	163	5.0	2	205	410	
	164	5.0	2	205	410							
C165	165	5.0	2	205	410	C166	166	5.0	2	205	410	
	167	5.0	2	205	410							
C168	168	5.0	2	205	410	C169	169	5.0	2	205	410	
	170	5.0	2	205	410							
C171	171	5.0	2	205	410	C172	172	5.0	2	205	410	
	173	5.0	2	205	410							
C174	174	5.0	2	205	410	C175	175	5.0	2	205	410	
	176	5.0	2	205	410							
C177	177	5.0	2	205	410	C178	178	5.0	2	205	410	
	179	5.0	2	205	410							
C180	180	5.0	2	205	410	C181	181	5.0	2	205	410	
	182	5.0	2	205	410							
C183	183	5.0	2	205	410	C184	184	5.0	2	205	410	
	185	5.0	2	205	410							
C186	186	5.0	2	205	410	C187	187	5.0	2	205	410	
	188	5.0	2	205	410							
C189	189	5.0	2	205	410	C190	190	5.0	2	205	410	
	191	5.0	2	205	410							
C192	192	5.0	2	205	410	C193	193	5.0	2	205	410	
	194	5.0	2	205	410							
C195	195	5.0	2	205	410	C196	196	5.0	2	205	410	
	197	5.0	2	205	410							
C198	198	5.0	2	205	410	C199	199	5.0	2	205	410	
	200	5.0	2	205	410							

Resumo do aço

ACO	DIAM	C TOTAL	PESO + 10%
C1	5.0	784	136
C2	5.0	207	3442
C3	5.0	2	305
C4	5.0	2	113
C5	5.0	4	81
C6	5.0	2	200
C7	5.0	4	208
C8	5.0	2	198
C9	5.0	4	208
C10	5.0	4	208
C11	5.0	4	208
C12	5.0	4	208
C13	5.0	4	208
C14	5.0	4	208
C15	5.0	4	208
C16	5.0	4	208
C17	5.0	4	208
C18	5.0	4	208
C19	5.0	4	208
C20	5.0	4	208
C21	5.0	4	208
C22	5.0	4	208
C23	5.0	4	208

Vol. de concreto total (C-30) = 14.25 m³
Área de forma total = 107.25 m²

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE
Superintendência de Infra-estrutura

PROFESSOR: ENG. GUSTAVO FERNANDES ROSADO COELHO

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PROFESSOR: PAULO BEZERRA DE CASTRO

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