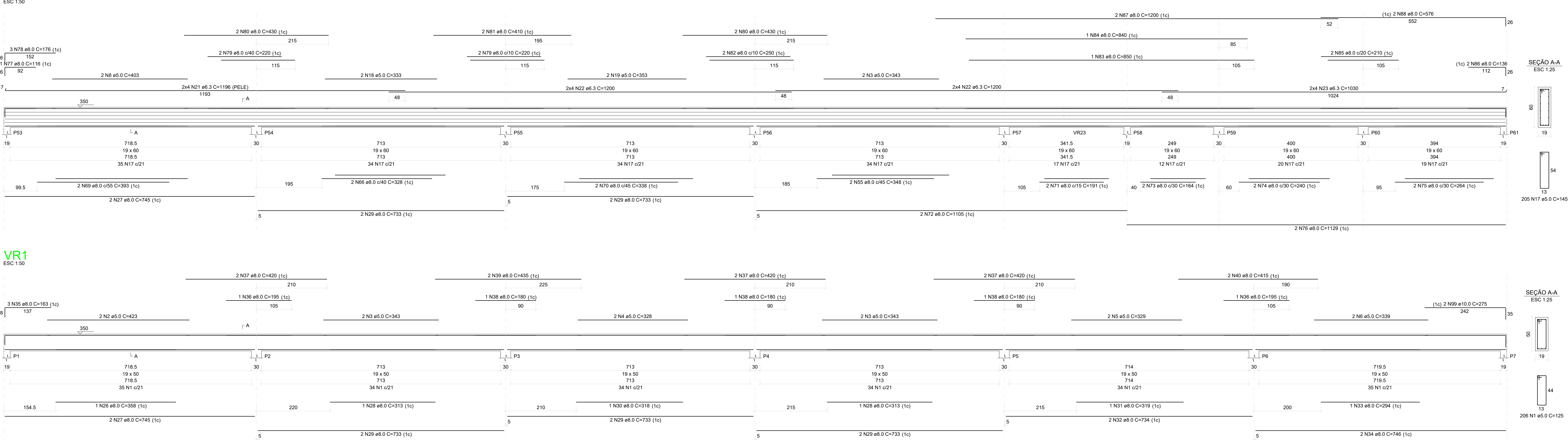
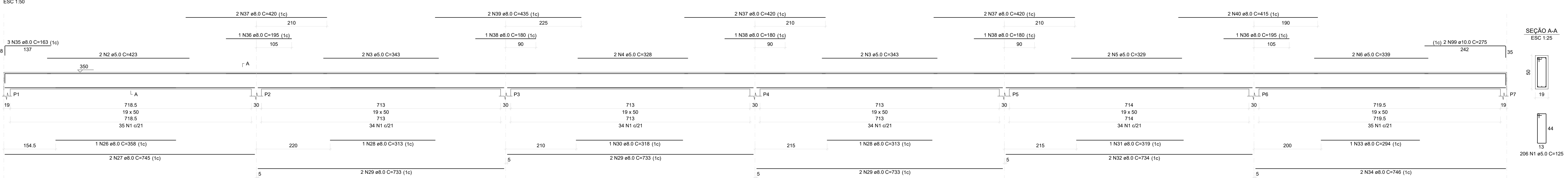


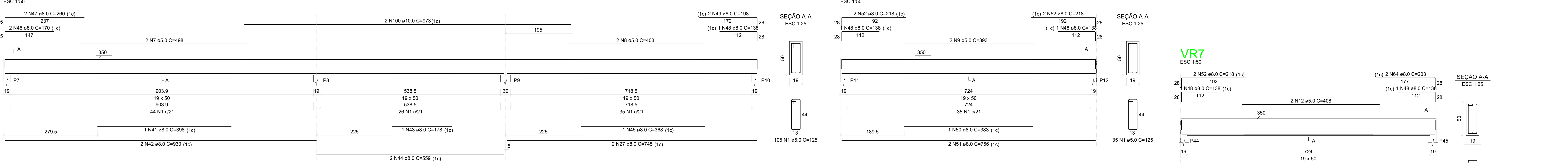
VR11



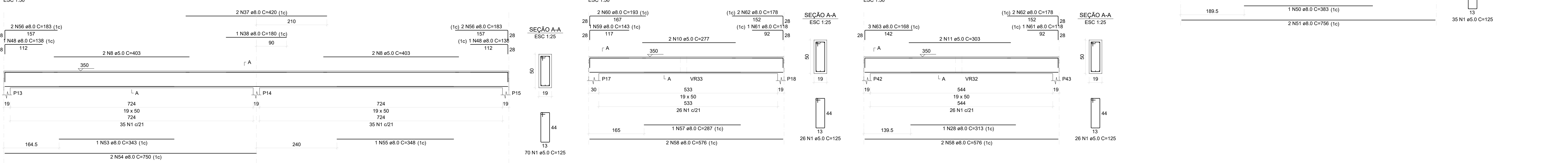
VR1



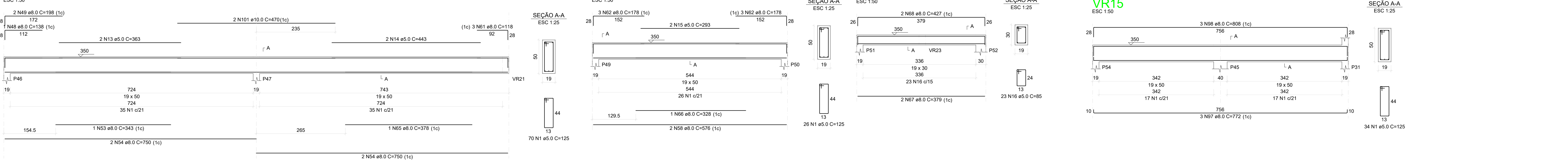
VR2



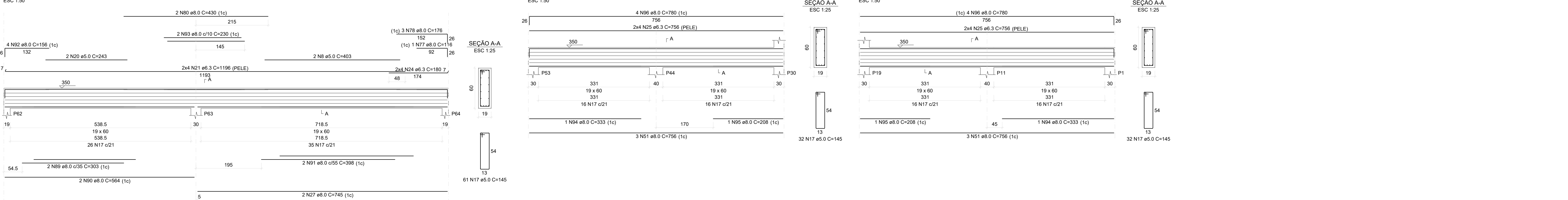
VR4



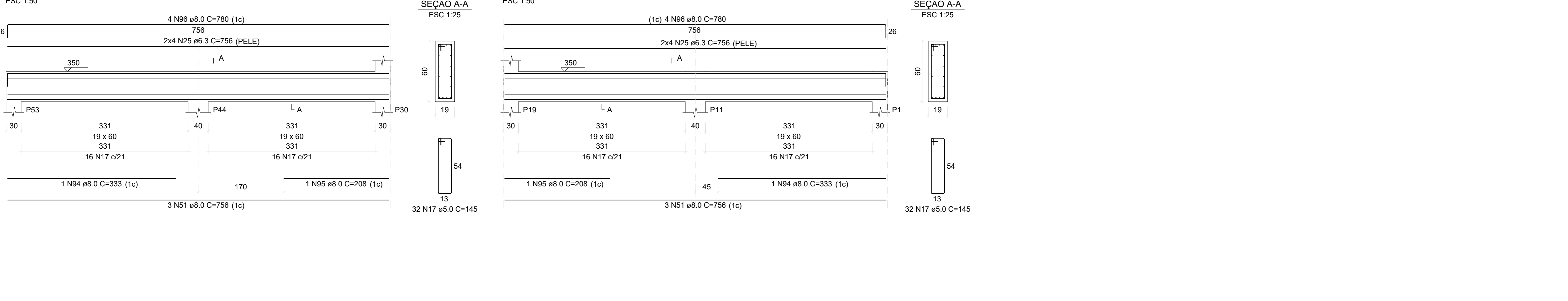
VR8



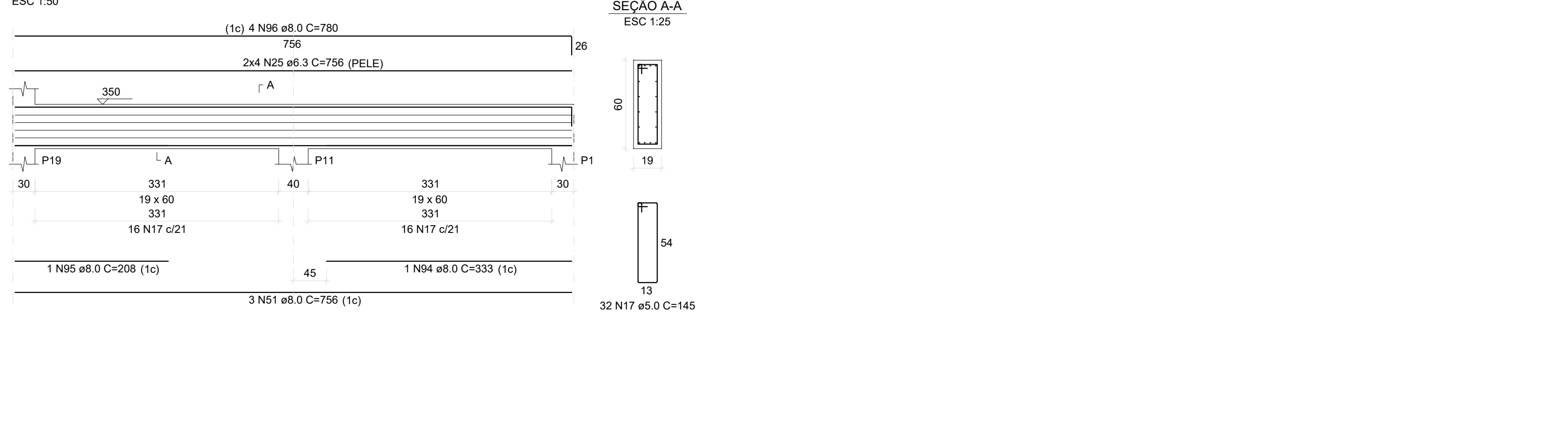
VR12



VR13



VR14



RELAÇÃO DO AÇO

VR1	VR2	VR3				
VR4	VR5	VR6				
VR7	VR8	VR9				
VR10	VR11	VR12				
VR13	VR14	VR15				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CABO	1	5.0	633	125	79125	
	2	5.0	2	423	846	
	3	5.0	6	343	2058	
	4	5.0	2	328	656	
	5	5.0	2	329	658	
	6	5.0	2	339	678	
	7	5.0	2	468	936	
	8	5.0	10	403	4030	
	9	5.0	2	303	606	
	10	5.0	2	277	554	
	11	5.0	2	330	660	
	12	5.0	2	408	816	
	13	5.0	2	363	726	
	14	5.0	2	443	886	
	15	5.0	2	293	586	
	16	5.0	23	85	1955	
	17	5.0	330	145	47850	
	18	5.0	2	333	666	
	19	5.0	2	353	706	
	20	5.0	2	243	486	
	21	6.3	16	1168	18688	
	22	6.3	16	1200	19200	
	23	6.3	8	1030	8240	
	24	6.3	8	180	1440	
	25	6.3	16	756	12096	
	26	8.0	8	358	2864	
	27	8.0	8	745	5960	
	28	8.0	10	313	3130	
	29	8.0	10	319	3190	
	30	8.0	1	318	318	
	31	8.0	1	319	319	
	32	8.0	2	734	1468	
	33	8.0	1	294	294	
	34	8.0	2	746	1492	
	35	8.0	3	163	489	
	36	8.0	2	195	390	
	37	8.0	2	452	904	
	38	8.0	4	189	756	
	39	8.0	2	452	904	
	40	8.0	2	415	830	
	41	8.0	1	388	388	
	42	8.0	2	930	1860	
	43	8.0	2	178	356	
	44	8.0	2	559	1118	
	45	8.0	1	368	368	
	46	8.0	2	170	340	
	47	8.0	2	200	400	
	48	8.0	8	138	1104	
	49	8.0	4	168	672	
	50	8.0	2	383	766	
	51	8.0	10	756	7560	
	52	8.0	6	218	1308	
	53	8.0	2	343	686	
	54	8.0	6	750	4500	
	55	8.0	3	1044	3132	
	56	8.0	4	183	732	
	57	8.0	2	297	594	
	58	8.0	6	575	3450	
	59	8.0	1	143	143	
	60	8.0	2	193	386	
	61	8.0	1	115	115	
	62	8.0	10	178	1780	
	63	8.0	3	168	504	
	64	8.0	2	203	406	
	65	8.0	3	376	1128	
	66	8.0	3	326	978	
	67	8.0	2	279	558	
	68	8.0	2	427	854	
	69	8.0	2	362	724	
	70	8.0	2	338	676	
	71	8.0	2	338	676	
	72	8.0	2	1105	2210	
	73	8.0	2	1164	2328	
	74	8.0	2	240	480	
	75	8.0	2	264	528	
	76	8.0	2	1229	2458	
	77	8.0	2	116	232	
	78	8.0	2	176	352	
	79	8.0	4	220	880	
	80	8.0	4	430	1720	
	81	8.0	6	410	2460	
	82	8.0	2	250	500	
	83	8.0	2	850	1700	
	84	8.0	1	940	940	
	85	8.0	2	210	420	
	86	8.0	2	272	544	
	87	8.0	2	1200	2400	
	88	8.0	2	516	1032	
	89	8.0	2	303	606	
	90	8.0	2	364	728	
	91	8.0	2	398	796	
	92	8.0	4	156	624	
	93	8.0	2	230	460	
	94	8.0	2	333	666	
	95	8.0	2	208	416	
	96	8.0	8	786	6288	
	97	8.0	3	772	2316	
	98	8.0	3	808	2424	
	99	10.0	2	275	550	
	100	10.0	2	973	1946	

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CABO	6.3	901.5	161.8
	8.0	967.6	415.7
	10.0	34.4	23.3
CABO	5.0	1458.7	247
PESO TOTAL (kg)			600.8
CABO			247

Volume de concreto (C-25) = 20.42 m³
Área de forma = 253.29 m²

ESTADO DE MATO GROSSO		SECRETARIA MUNICIPAL DE PLANEJAMENTO URBANO E OBRAS		Folha: 12/13
PREFEITURA MUNICIPAL DE BARRA DO GARÇAS		COORDENADAS: 15° 53' 15.49" S, 52° 18' 57.83" O		
Rua Comandante João Ribeiro de Barros - 1309 - CEP 76.600-000		APROVAÇÃO		
Obr.: CONSTRUÇÃO DE UNIDADE ESCOLAR COM QUADRA POLIESPORTIVA DA ESCOLA MUNICIPAL DOM JOSE BELVA				
Corr.: PROJETO ESTRUTURAL IMPLANTACAO GERAL				
Local: RUA INDEPENDENCIA, SETOR CAMPINAS				
Propriedade: BARRA DO GARÇAS - MT				
Proprietário: Prefeitura Municipal Barra do Garças				
Assinatura do projeto:				
Prefeitura Municipal				
Área Construída:	Desenhado:	Escala:	INDICADA	
Arquivo: CAD	Data: JANEIRO/2023	Proprietário:		

RELAÇÃO DOS MATERIAIS
Área construída: 20.42 m²
Área de forma: 253.29 m²

DECORO
engenharia e arquitetura