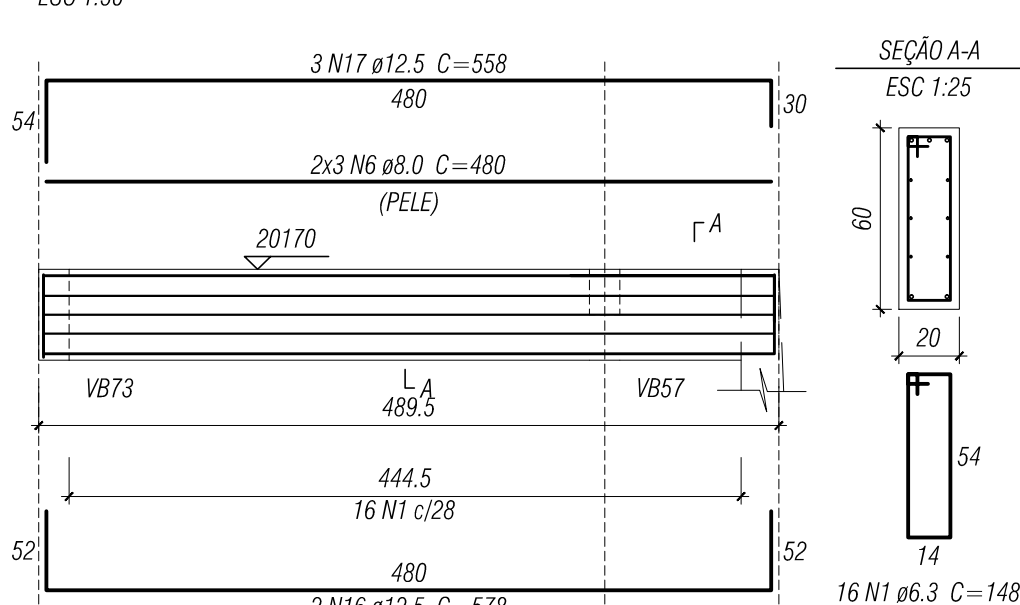
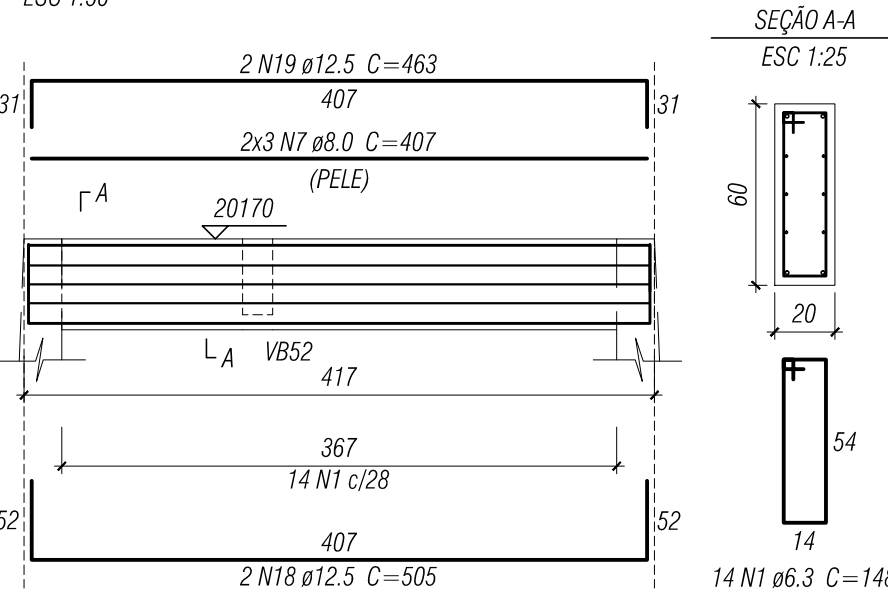


ARMAÇÃO DAS VIGAS BALDRAME 5/5
ESC.: INDICADA

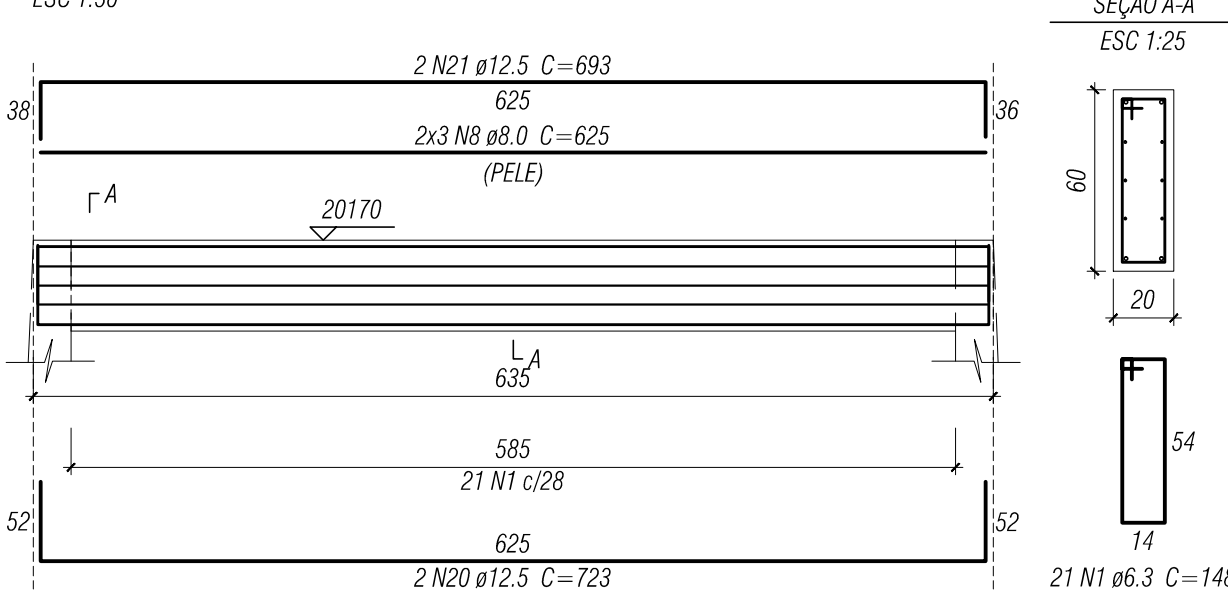
VB108 (20 x 60)
ESC. 1:50



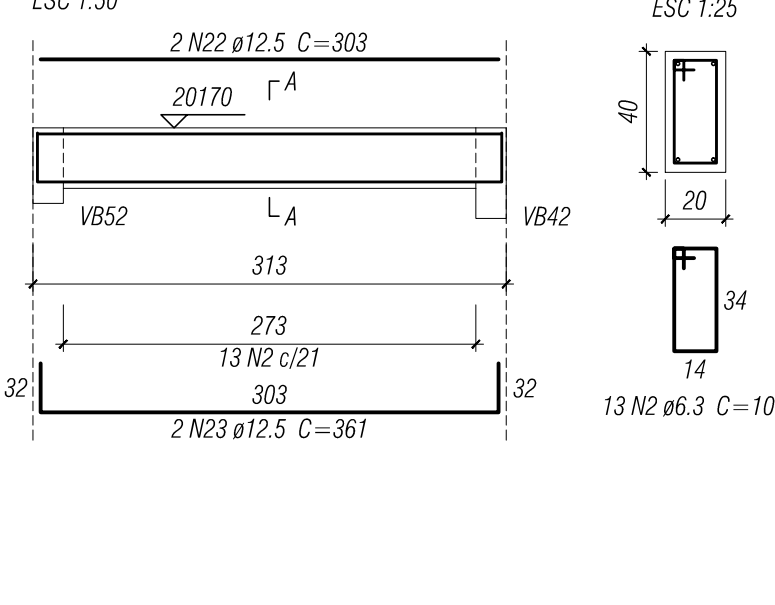
VB109 (20 x 60)
ESC. 1:50



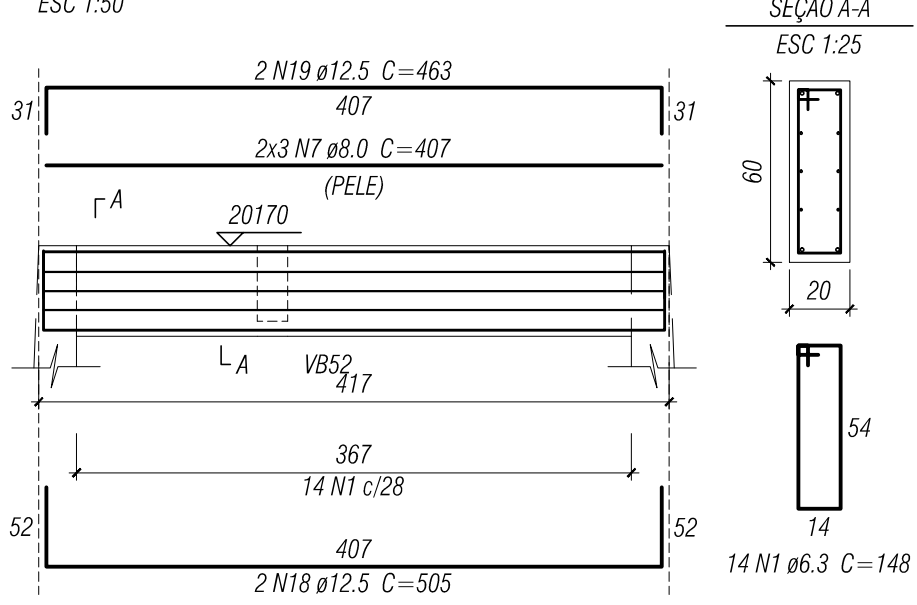
VB110=VB117 (20 x 60)
ESC. 1:50



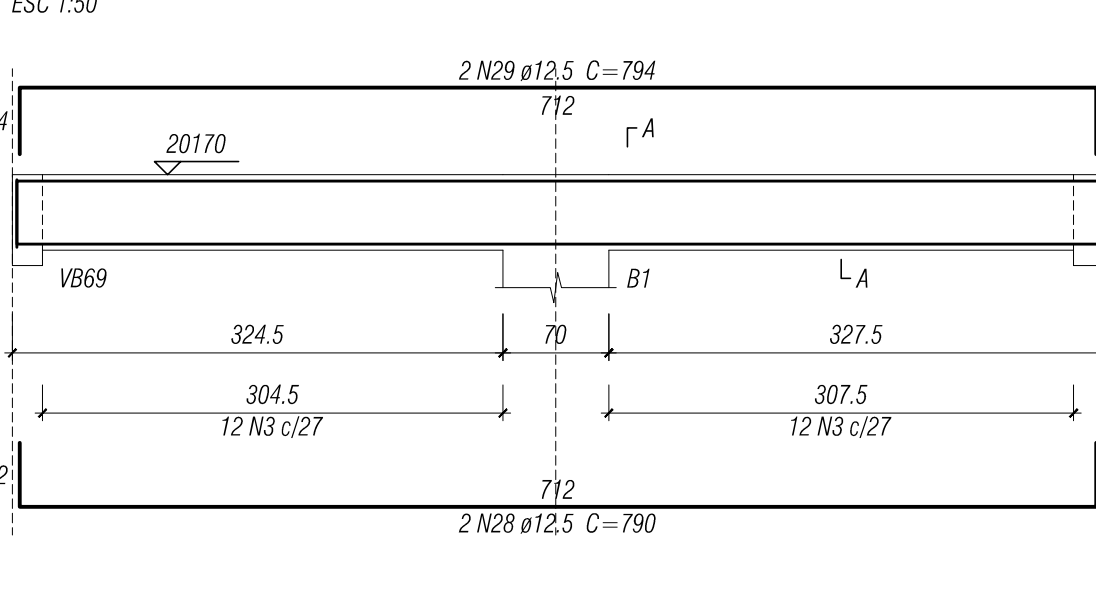
VB111 (20 x 40)
ESC. 1:50



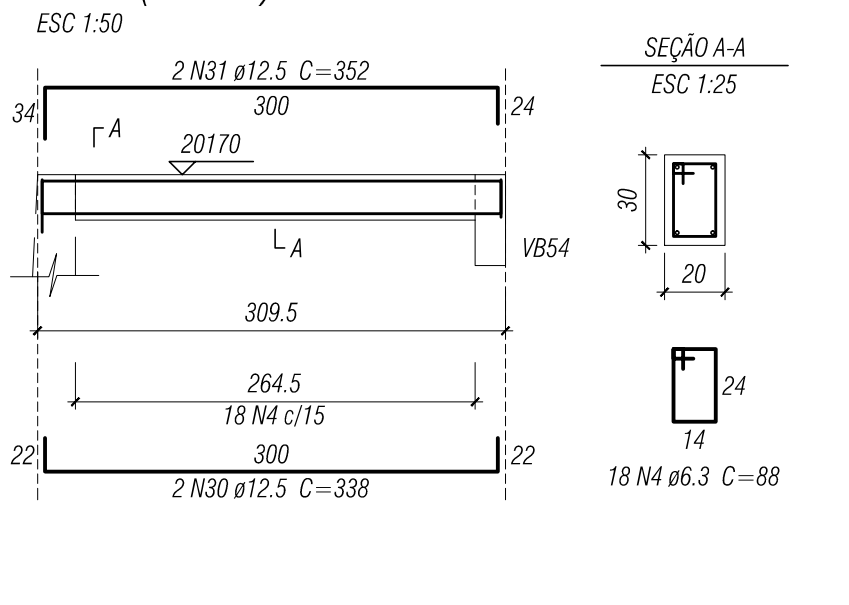
VB114 (20 x 60)
ESC. 1:50



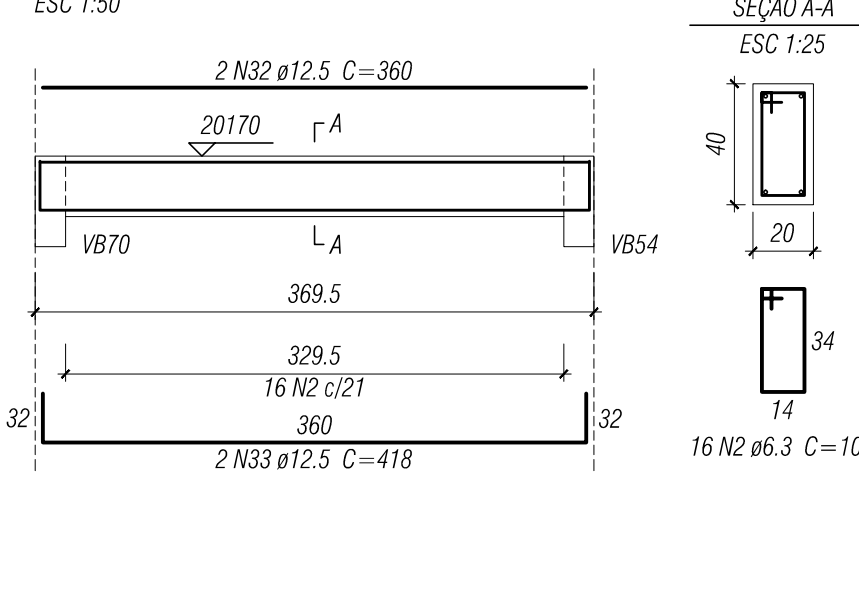
VB115 (20 x 50)
ESC. 1:50



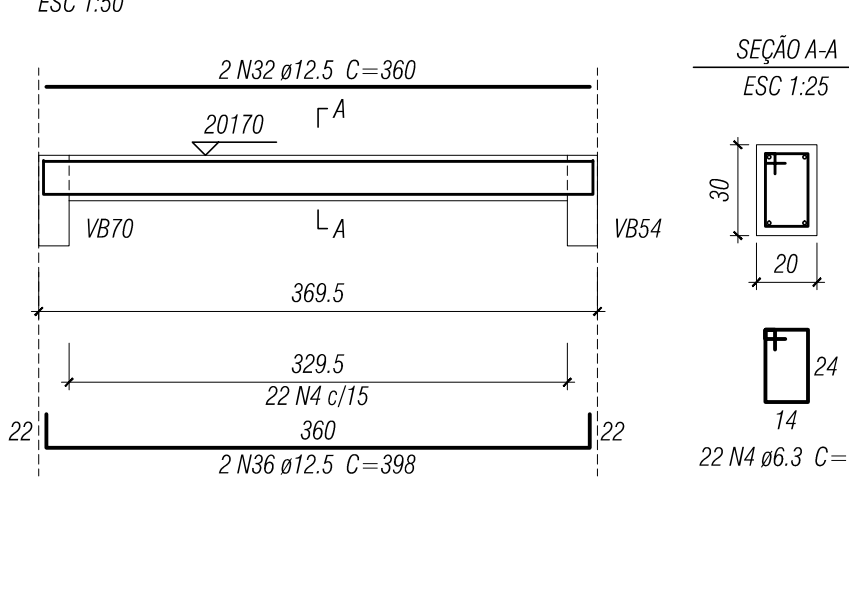
VB116 (20 x 30)
ESC. 1:50



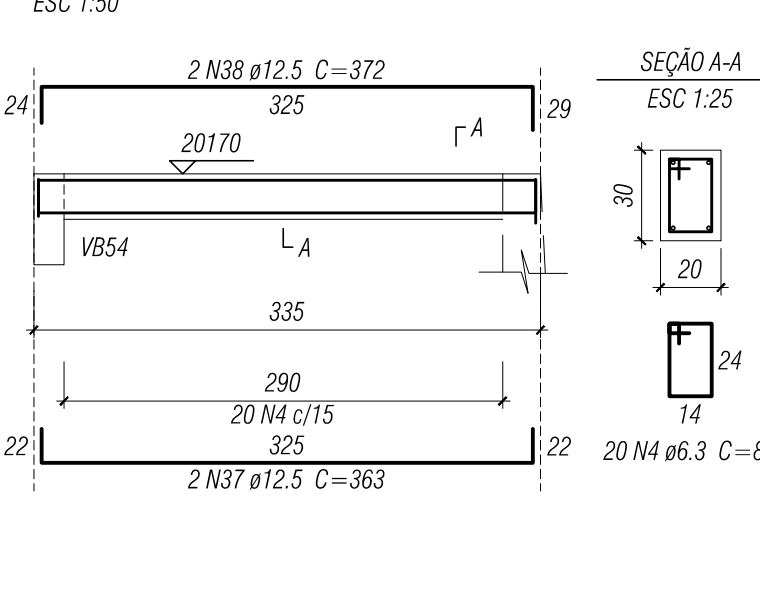
VB118 (20 x 40)
ESC. 1:50



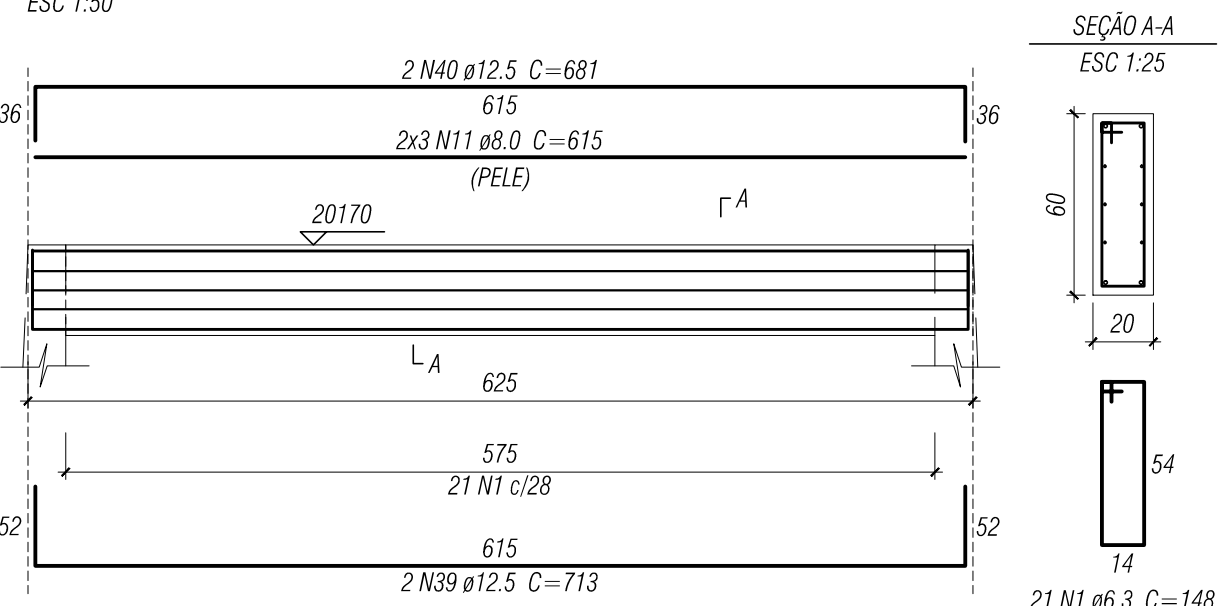
VB120 (20 x 30)
ESC. 1:50



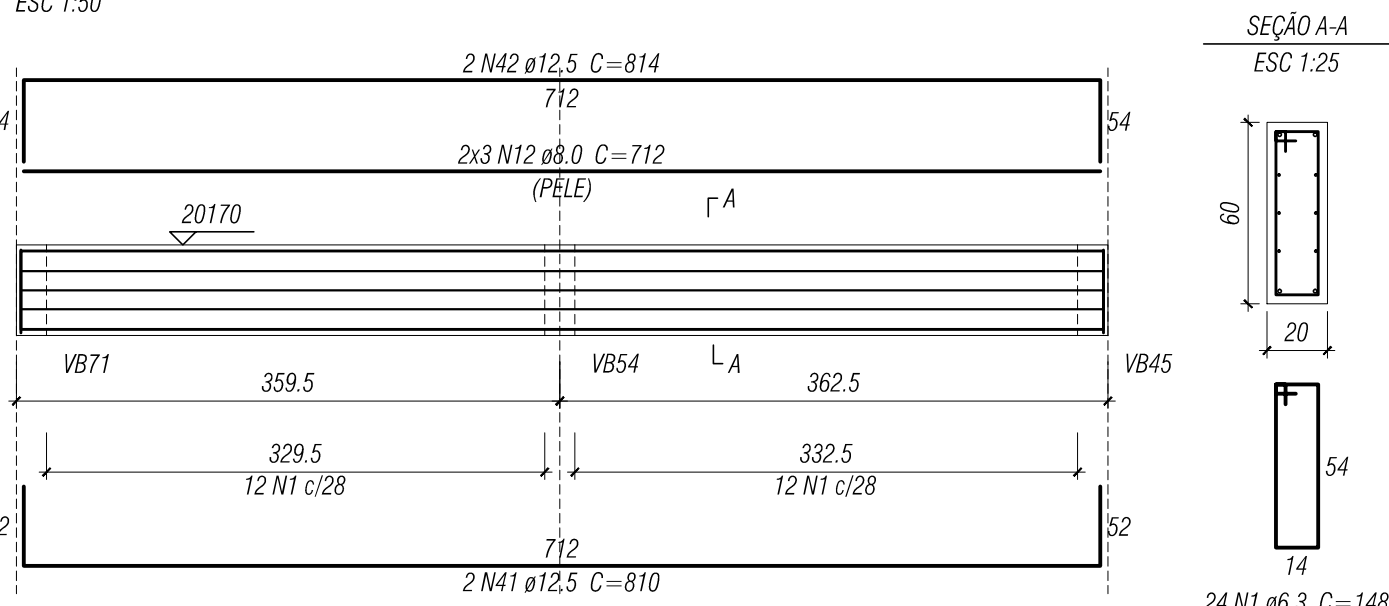
VB121 (20 x 30)
ESC. 1:50



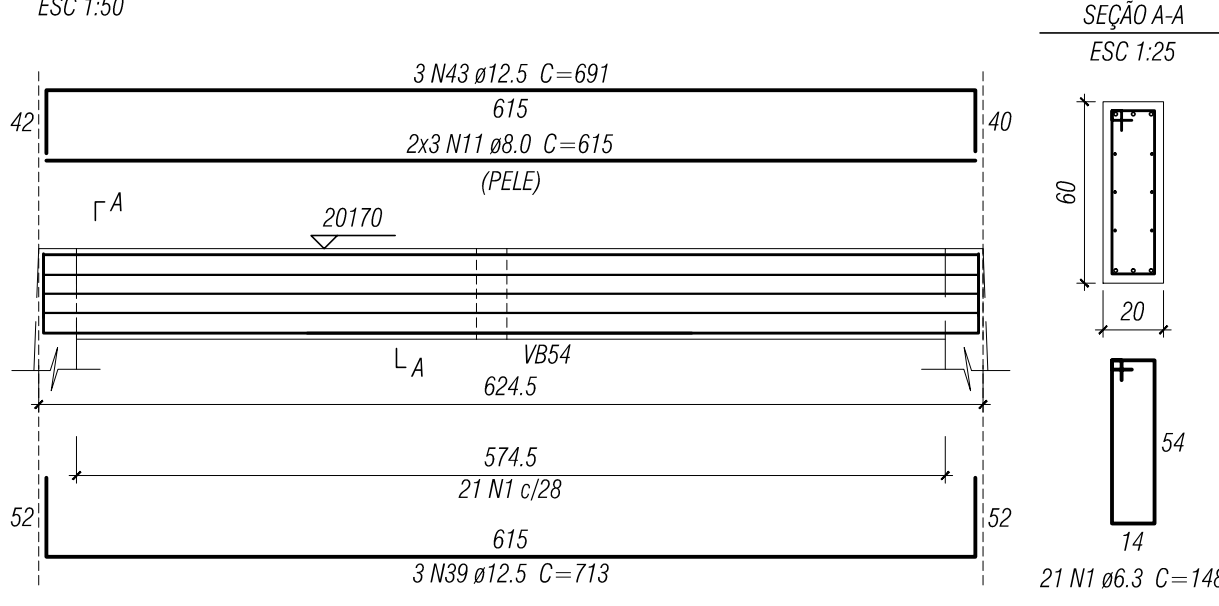
VB122=VB125 (20 x 60)
ESC. 1:50



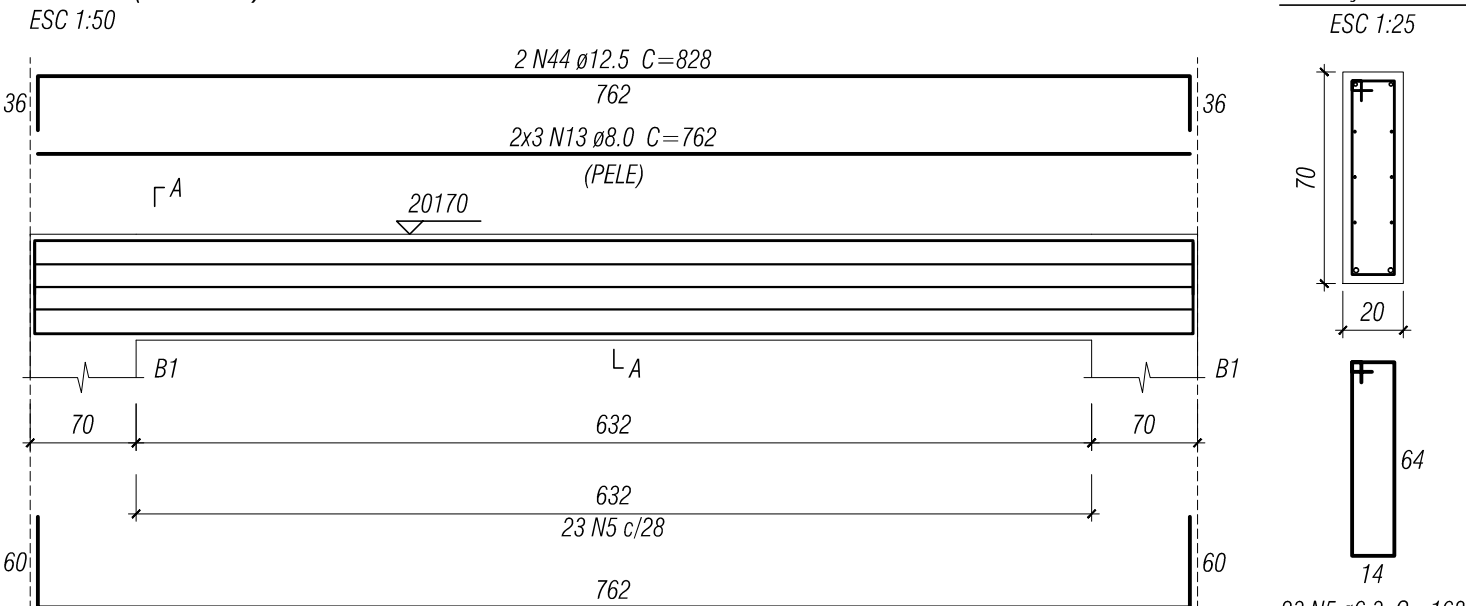
VB123 (20 x 60)
ESC. 1:50



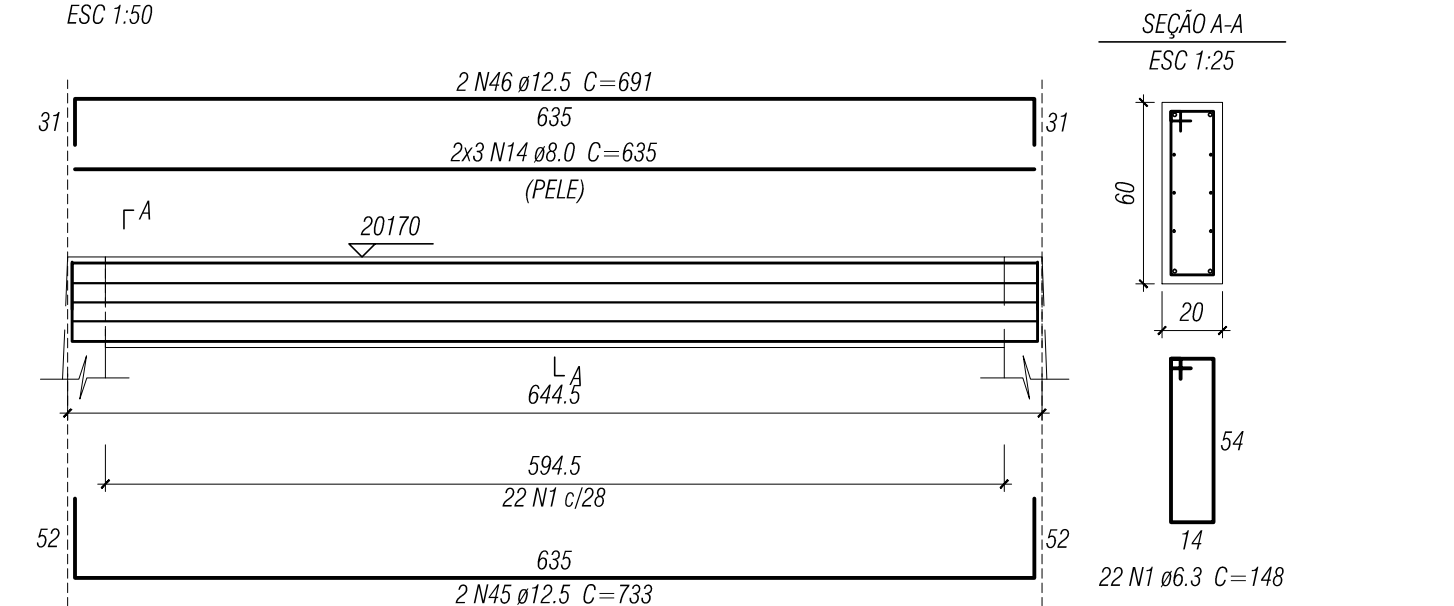
VB124 (20 x 60)
ESC. 1:50



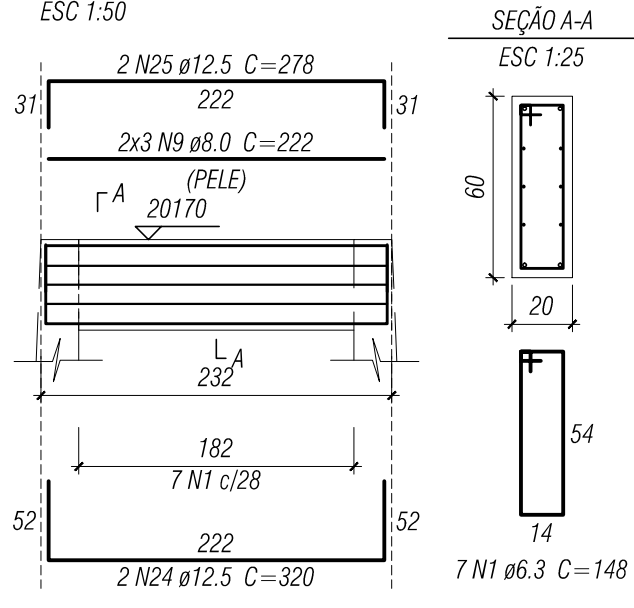
VB126 (20 x 70)
ESC. 1:50



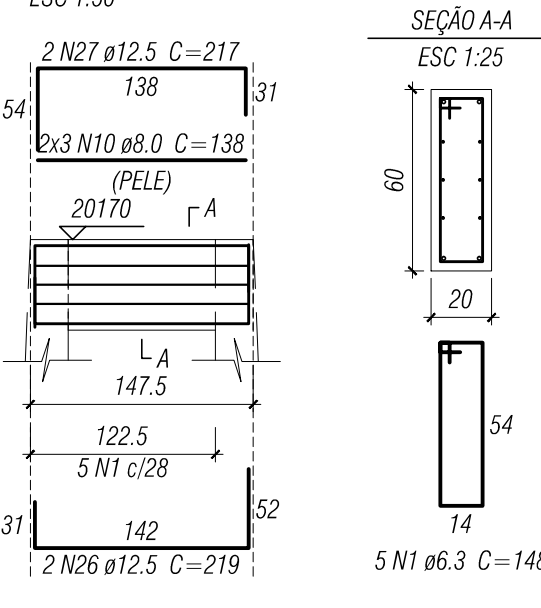
VB127 (20 x 60)
ESC. 1:50



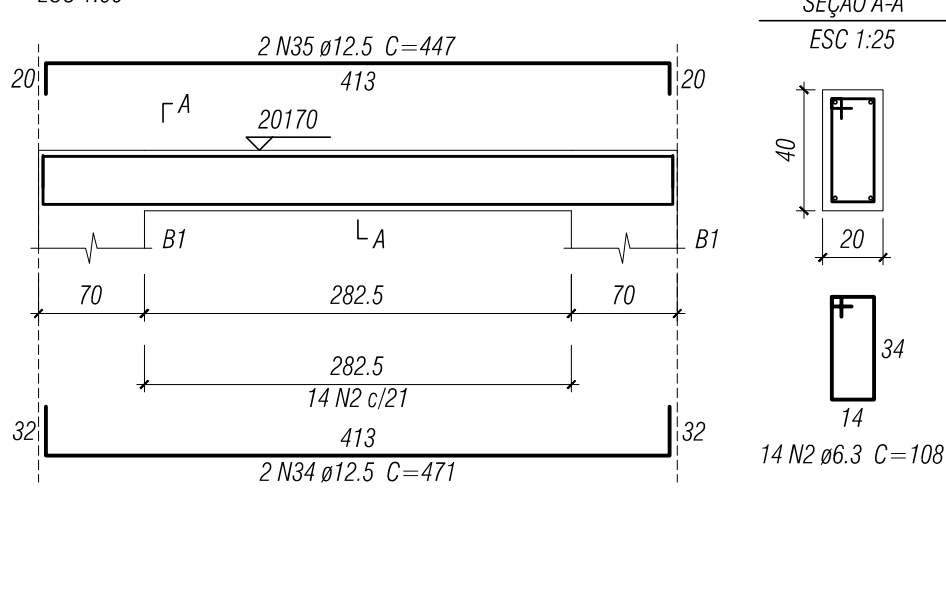
VB112 (20 x 60)
ESC. 1:50



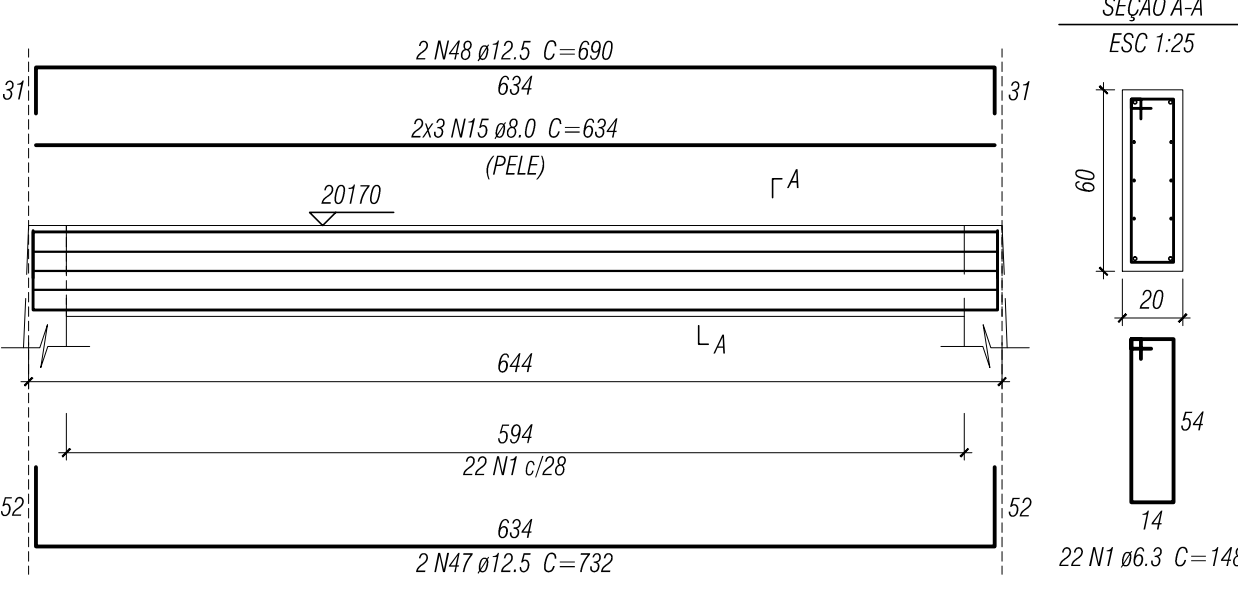
VB113 (20 x 60)
ESC. 1:50



VB119 (20 x 40)
ESC. 1:50

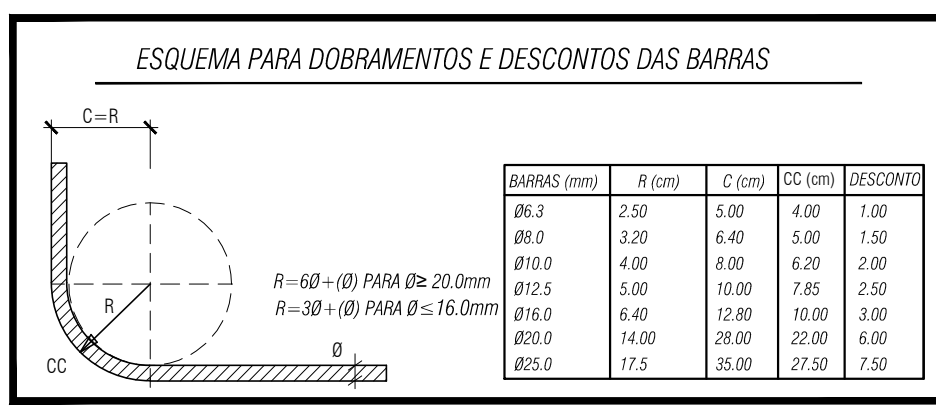


VB128 (20 x 60)
ESC. 1:50



Relação do aço					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	229	148	33852
	2	6.3	43	108	4644
	3	6.3	24	128	3072
	4	6.3	60	88	5300
	5	6.3	23	168	3864
	6	8.0	6	480	2880
	7	8.0	12	407	4884
	8	8.0	12	625	7500
	9	8.0	6	222	1332
	10	8.0	6	138	828
	11	8.0	18	615	11070
	12	8.0	6	712	4272
	13	8.0	6	762	4572
	14	8.0	6	635	3810
	15	8.0	6	634	3804
	16	12.5	2	578	1156
	17	12.5	3	558	1674
	18	12.5	4	505	2020
	19	12.5	4	463	1852
	20	12.5	4	723	2892
	21	12.5	4	680	2720
	22	12.5	2	303	606
	23	12.5	2	361	722
	24	12.5	2	330	660
	25	12.5	2	278	556
	26	12.5	2	219	438
	27	12.5	2	217	434
	28	12.5	2	780	1560
	29	12.5	2	794	1588
	30	12.5	2	338	676
	31	12.5	2	352	704
	32	12.5	4	380	1520
	33	12.5	2	418	836
	34	12.5	2	471	942
	35	12.5	2	447	894
	36	12.5	2	388	776
	37	12.5	2	363	726
	38	12.5	2	372	744
	39	12.5	7	713	4991
	40	12.5	4	681	2724
	41	12.5	2	810	1620
	42	12.5	2	814	1628
	43	12.5	3	691	2073
	44	12.5	2	628	1256
	45	12.5	2	733	1466
	46	12.5	2	691	1382
	47	12.5	2	725	1450
	48	12.5	2	690	1380
	49	16.0	2	875	1750

Resumo do aço					
AÇO	DIAM (mm)	C.TOTAL (m)	PESO ± 15% (kg)		
CA50	6.3	307.8	142.8		
	8.0	449.6	204		
	12.5	470.8	521.5		
	16.0	12.5	31.8		
PESO TOTAL (kg)			900		



NOTAS:
1- MEDIDAS EM cm, NÍVEIS EM m
2- COBRIMENTO: estrutura 3,0 cm - estacas 5,0 cm - (usar espaçadores)
3- AÇO CA-50 fyk=500 MPa, CA-60 fyk=600 MPa
4- fck = 25 MPa para estrutura e estacas raiz ver indicação.
5- CONFERIR MEDIDAS NA OBRA
6- NÃO TOMAR MEDIDAS EM ESCALA