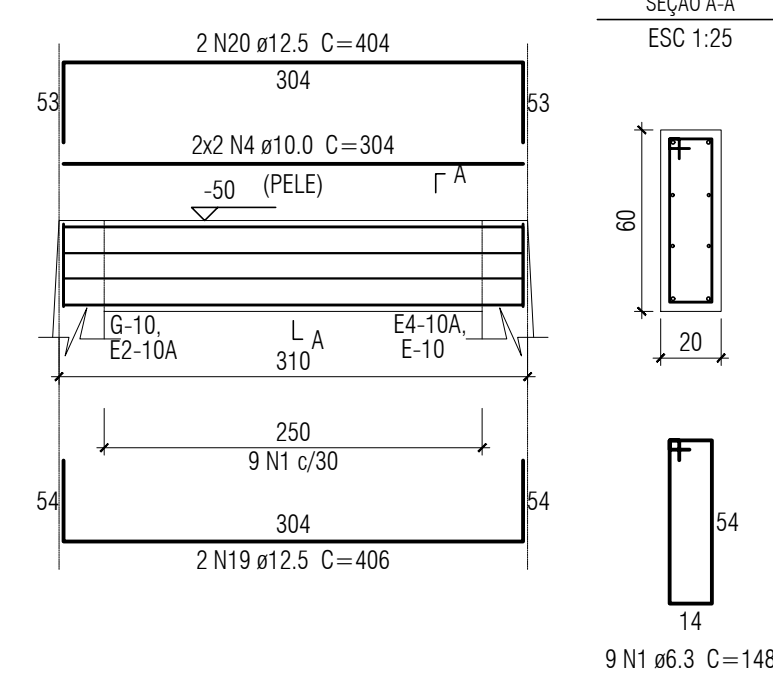


ARMAÇÃO DAS VIGAS BALDRAME 1/7

ESC.: INDICADA

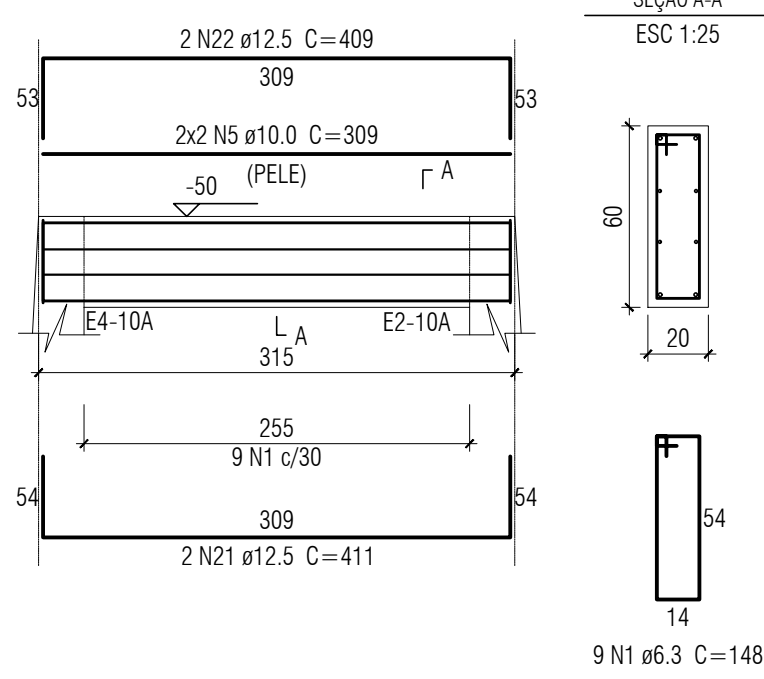
VB1=VB3 (20 x 60)

ESC 1:50



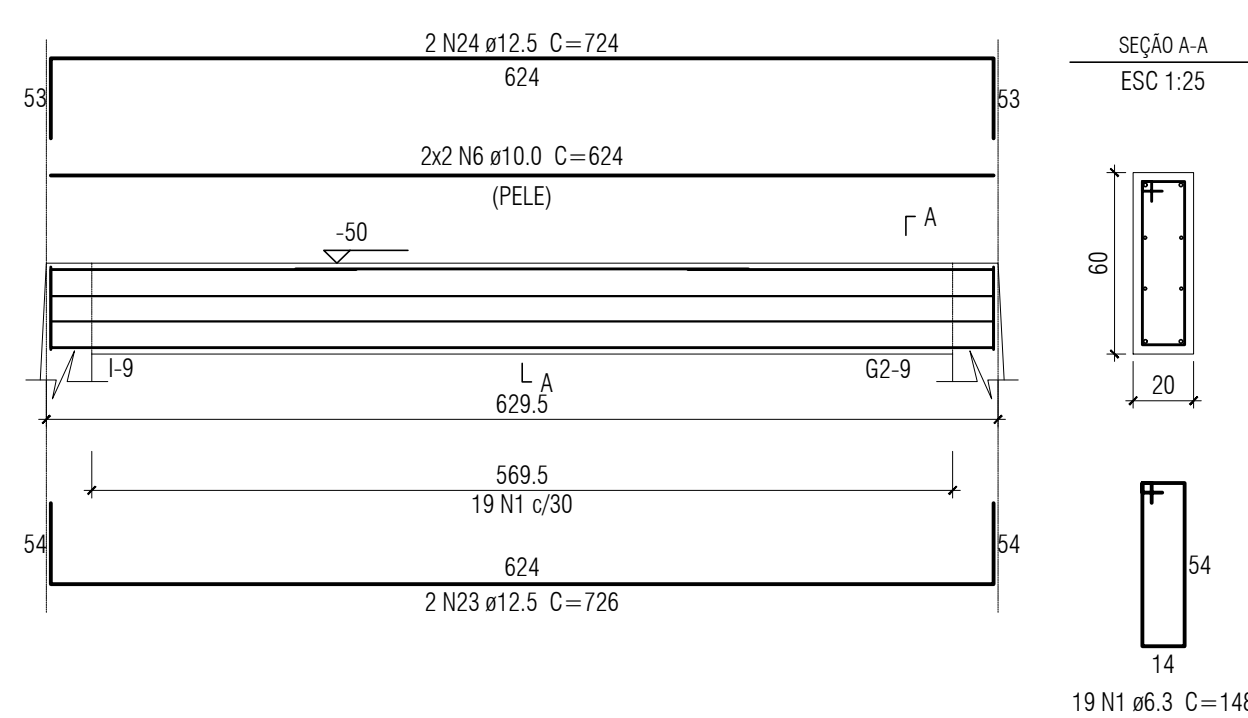
VB2 (20 x 60)

ESC 1:50



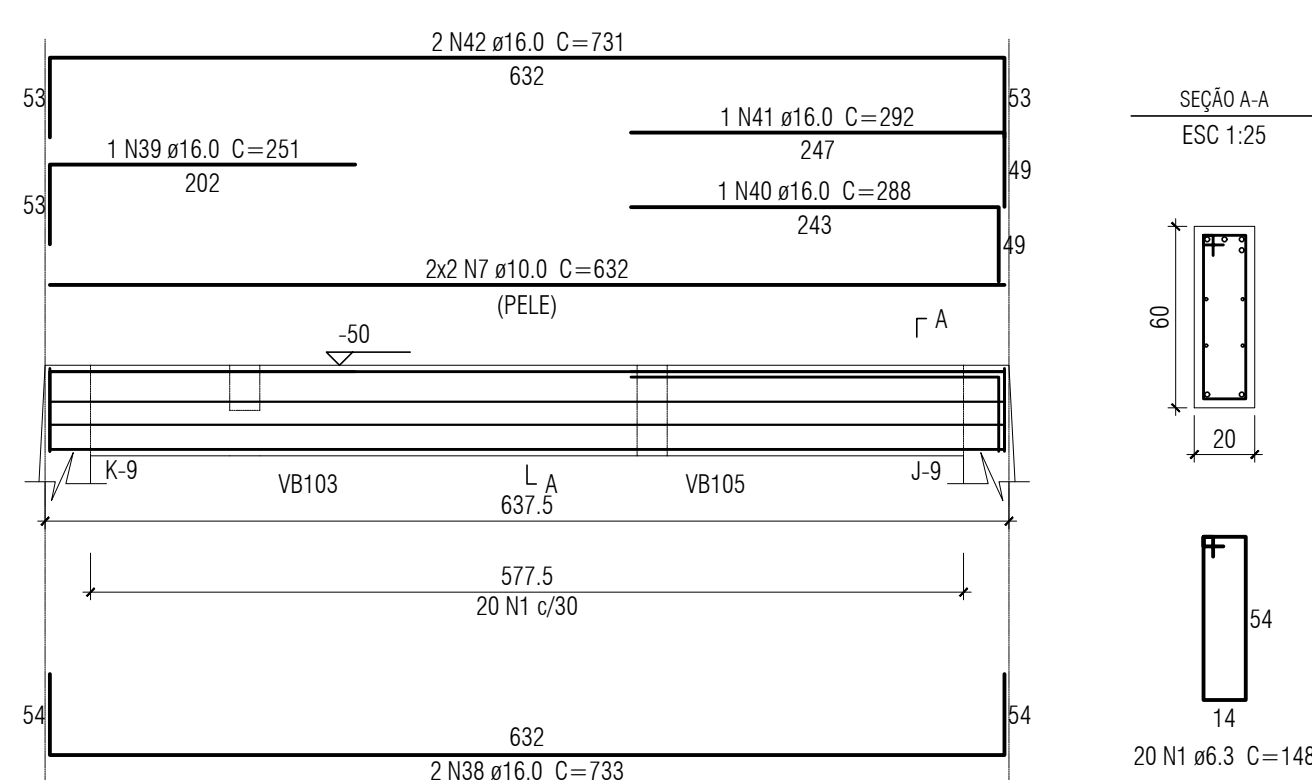
VB4 (20 x 60)

ESC 1:50



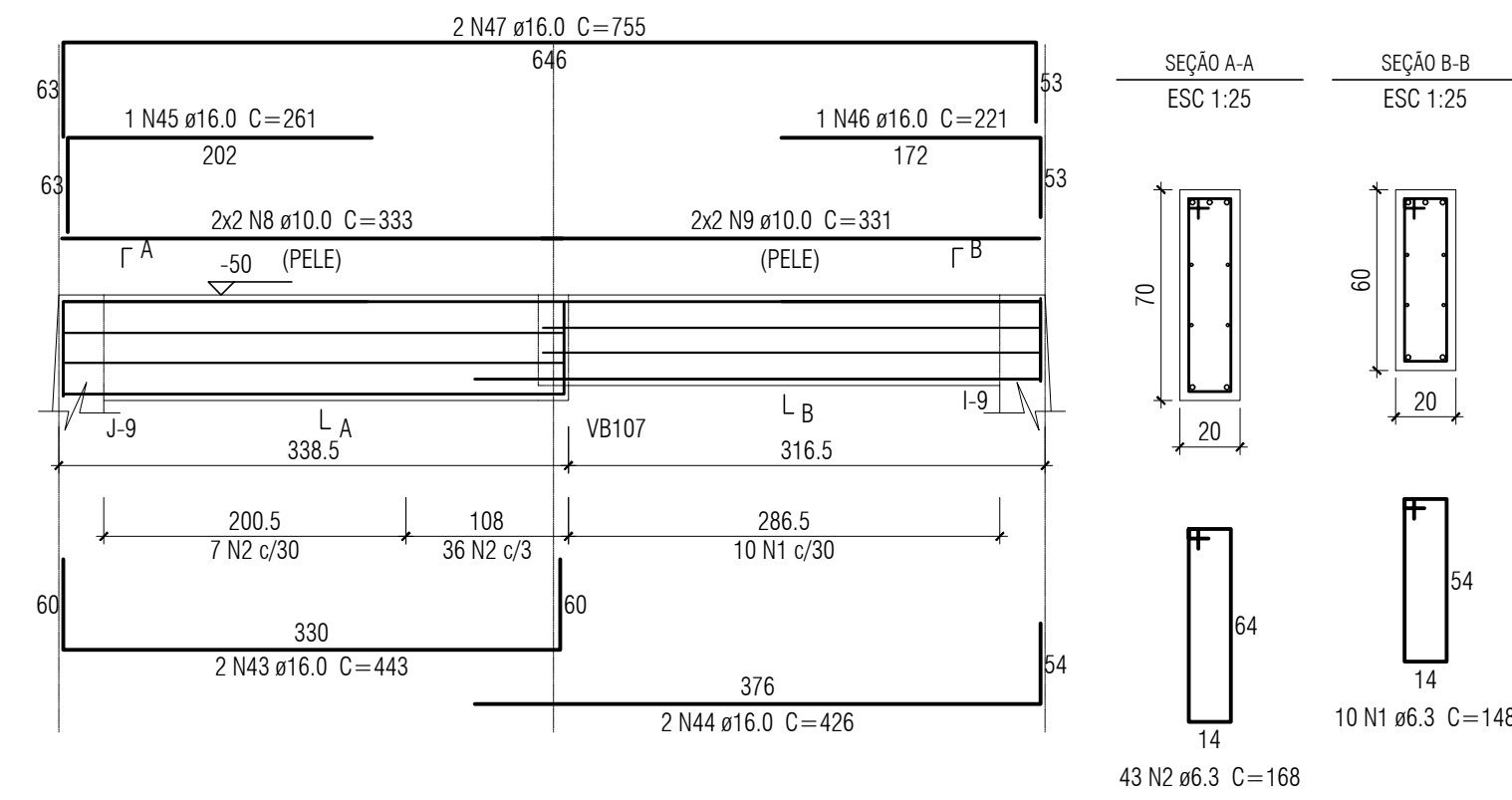
VB5 (20 x 60)

ESC 1:50



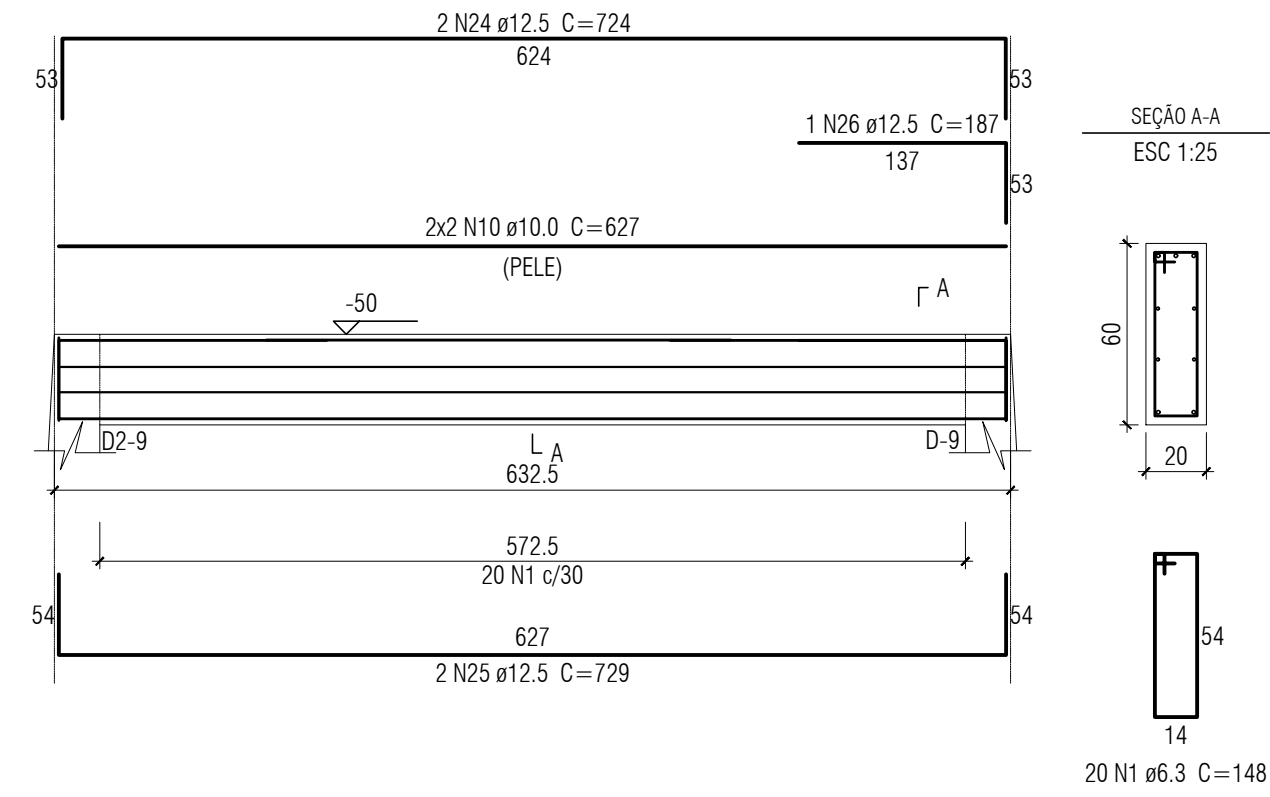
VB6 (var)

ESC 1:50



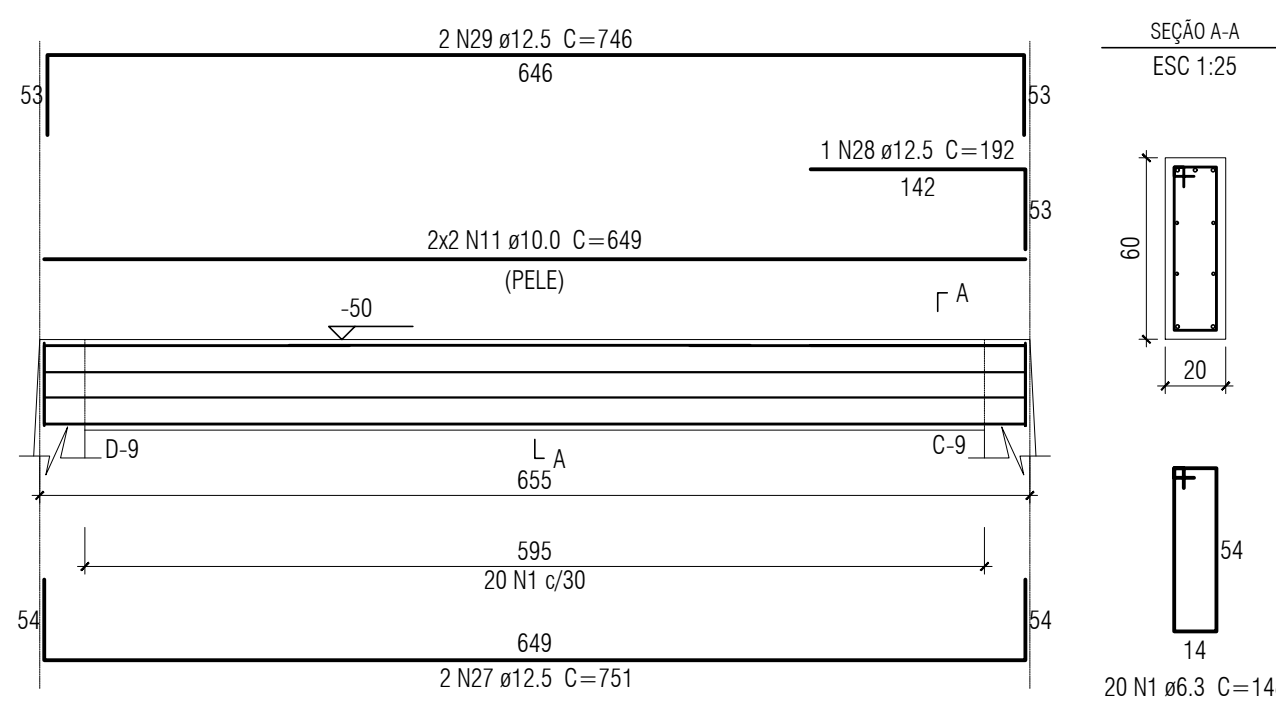
VB7 (20 x 60)

ESC 1:50



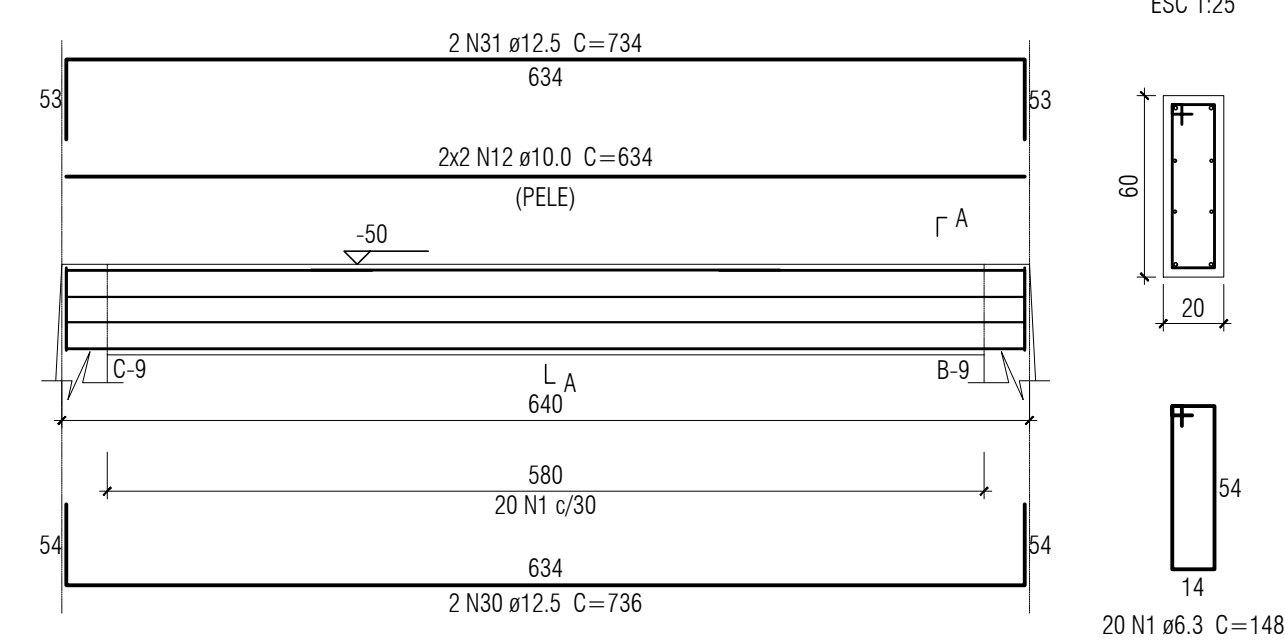
VB8 (20 x 60)

ESC 1:50



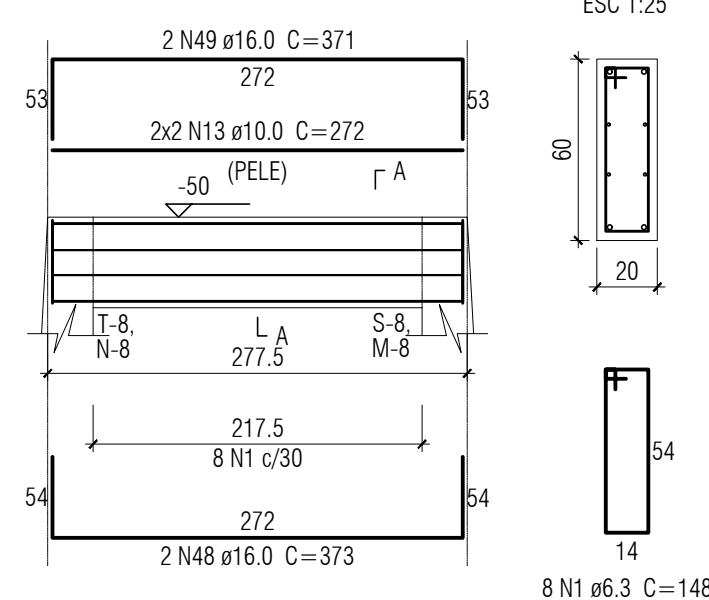
VB9 (20 x 60)

ESC 1:50



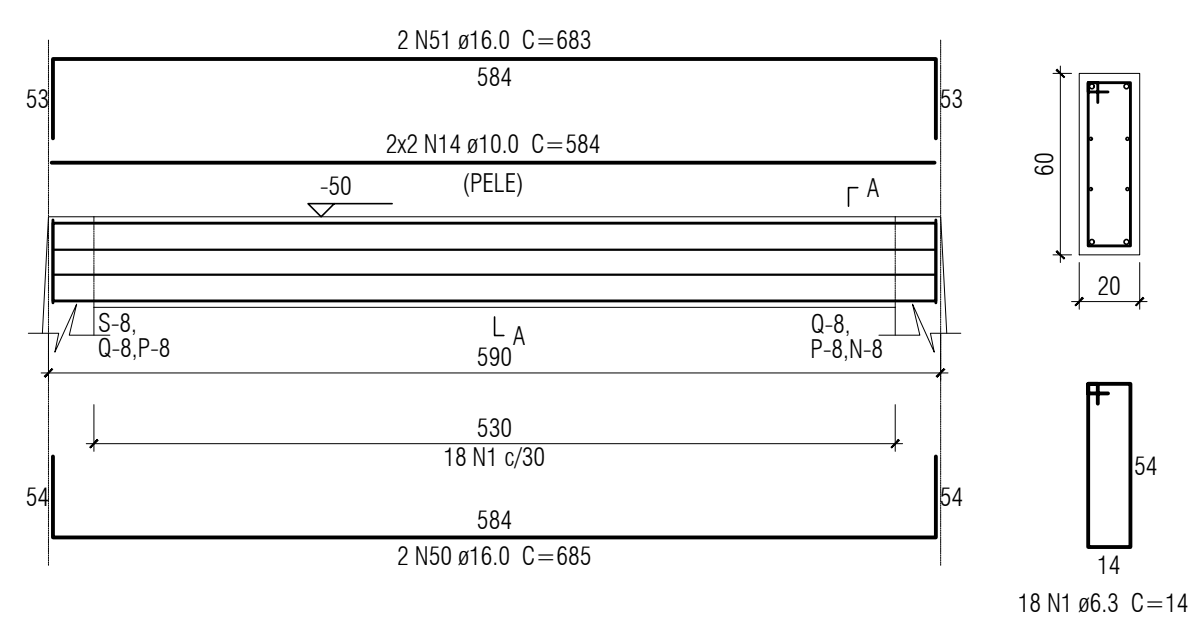
VB10=VB14 (20 x 60)

ESC 1:50



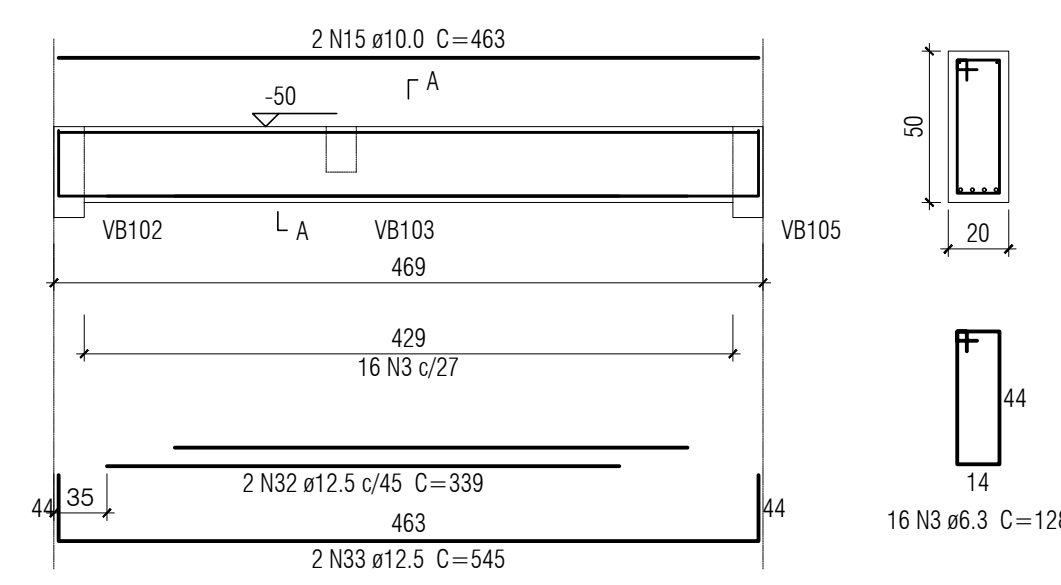
VB11=VB12=VB13(20 x 60)

ESC 1:50



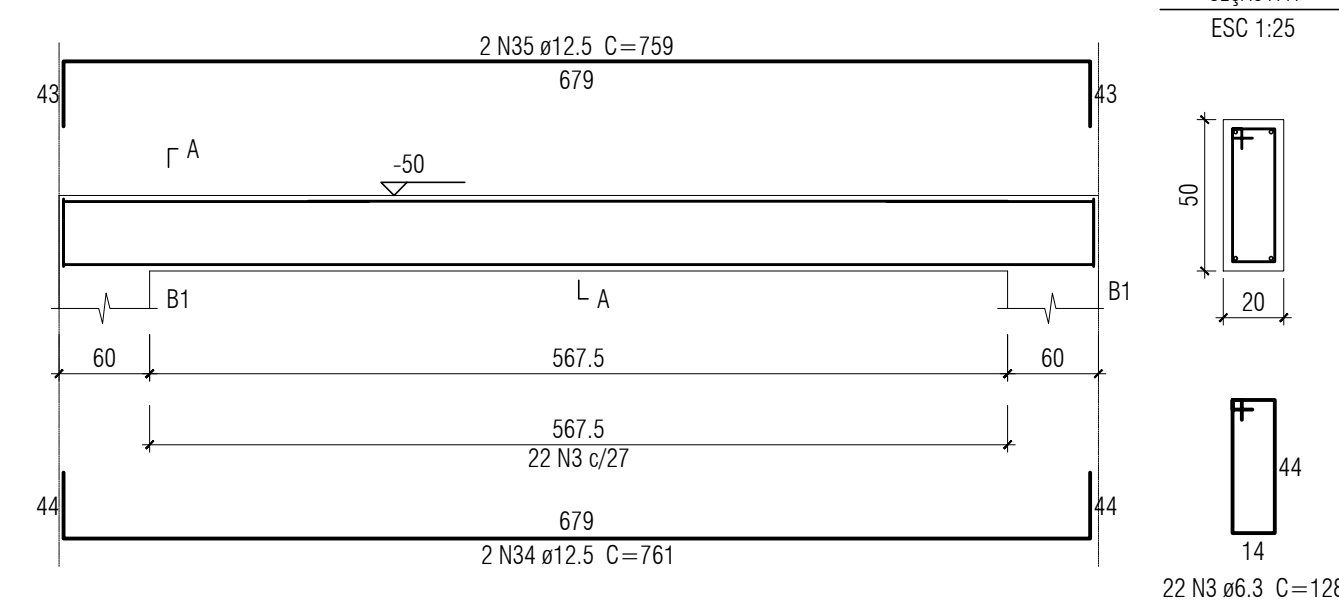
VB15 (20 x 50)

ESC 1:50



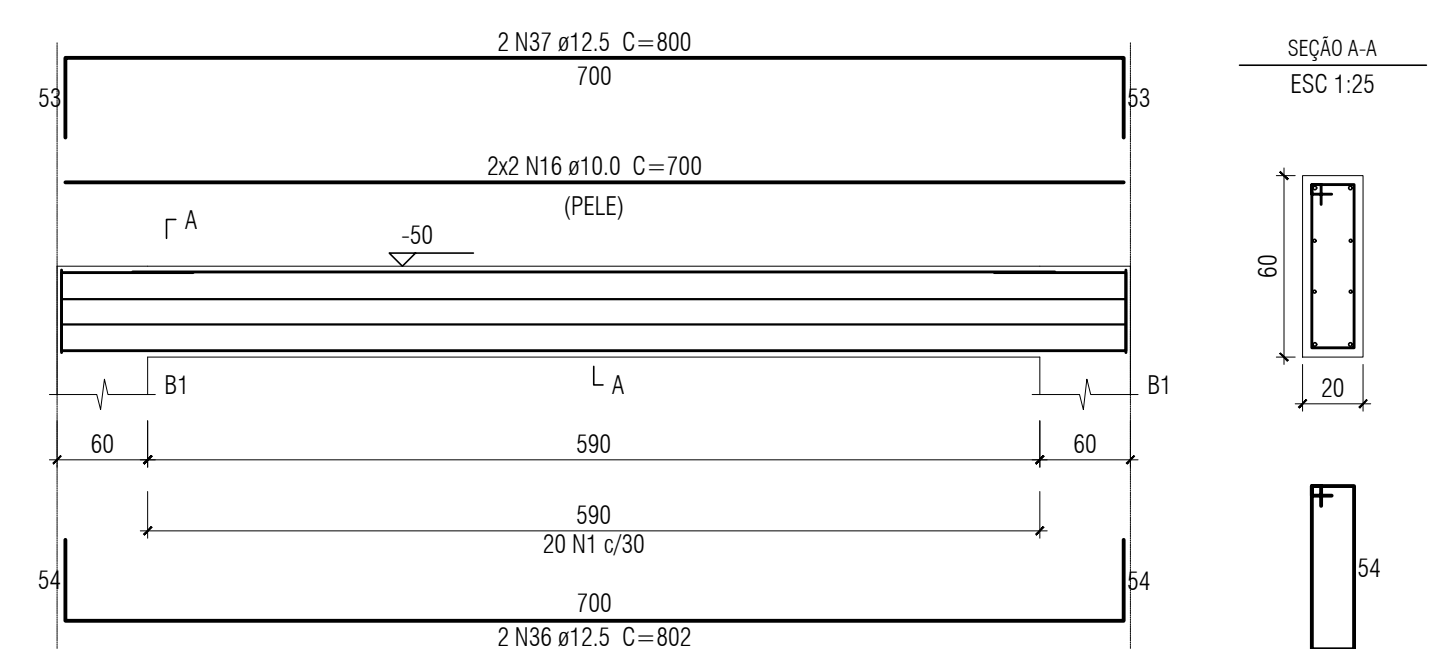
VB16=VB18 (20 x 50)

ESC 1:50



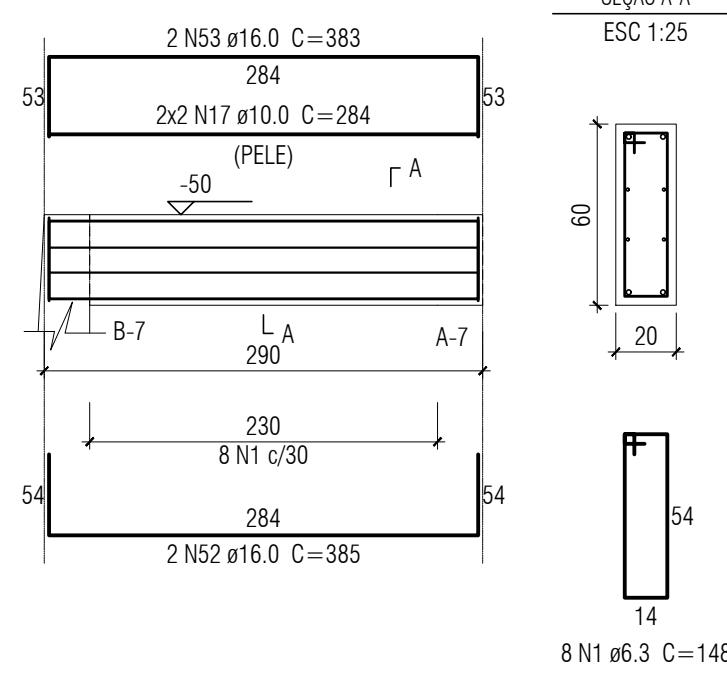
VB17 (20 x 60)

ESC 1:50



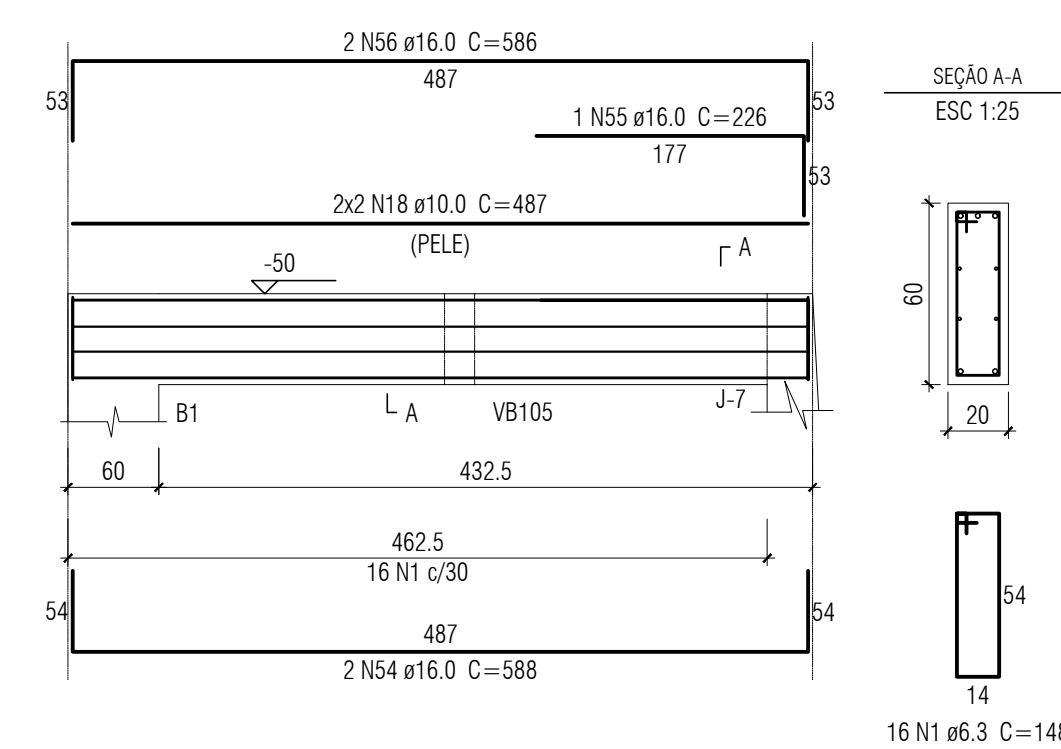
VB19 (20 x 60)

ESC 1:50



VB20 (20 x 60)

ESC 1:50



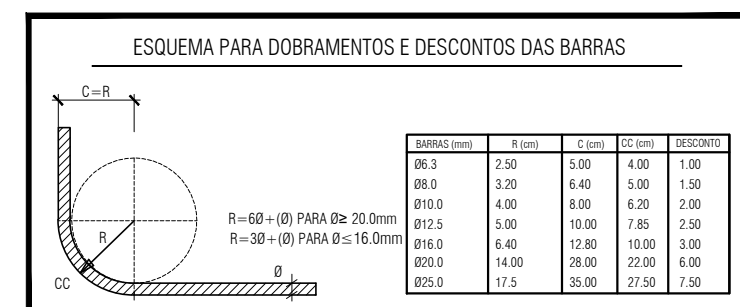
Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CASO	1	6.3	250	48	37000
	2	6.3	43	168	7224
	3	6.3	60	128	7680
	4	10.0	8	304	2432
	5	10.0	4	302	1208
	6	10.0	4	624	2496
	7	10.0	4	632	2528
	8	10.0	4	333	1332
	9	10.0	4	331	1324
	10	10.0	4	627	2508
	11	10.0	4	649	2596
	12	10.0	4	634	2536
	13	10.0	8	272	2176
	14	10.0	12	594	7008
	15	10.0	2	463	926
	16	10.0	4	700	2800
	17	10.0	4	284	1136
	18	10.0	4	487	1948
	19	12.5	4	406	1624
	20	12.5	4	404	1616
	21	12.5	2	411	822
	22	12.5	2	409	818
	23	12.5	2	726	1452
	24	12.5	4	724	2896
	25	12.5	2	729	1458
	26	12.5	1	187	187
	27	12.5	2	731	1502
	28	12.5	1	192	192
	29	12.5	2	746	1492
	30	12.5	2	736	1472
	31	12.5	2	734	1468
	32	12.5	2	339	678
	33	12.5	2	545	1090
	34	12.5	4	161	644
	35	12.5	4	759	3036
	36	12.5	2	802	1604
	37	12.5	2	800	1600
	38	16.0	2	733	1466
	39	16.0	1	251	251
	40	16.0	1	288	288
	41	16.0	1	292	292
	42	16.0	2	731	1462
	43	16.0	2	443	886
	44	16.0	2	426	852
	45	16.0	1	261	261
	46	16.0	1	221	221
	47	16.0	2	755	1510
	48	16.0	4	373	1492
	49	16.0	4	371	1484
	50	16.0	6	685	4110
	51	16.0	6	683	4098
	52	16.0	2	385	770
	53	16.0	2	383	766
	54	16.0	2	588	1176
	55	16.0	1	226	226
	56	16.0	2	586	1172

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO = 10 % (kg)
CASO	6.3	519.1	139.7
	10.0	348.9	237.2
	12.5	280.6	287.2
	16.0	227.9	395.6

PESO TOTAL (kg)
CASO 1069.8



NOTAS

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

PREFEITURA DO MUNICÍPIO DE ITAPEVI

SECRETARIA DE INFRAESTRUTURA E SERVIÇOS URBANOS



TÍTULO: UNIDADE ESCOLAR

PROJETO: CONSTRUÇÃO DE ESCOLA

OBRA: ESCOLA DE TEMPO INTEGRAL VALE DO SOL

LOCAL DO IMÓVEL: RODOVIA ENGENHEIRO RENÊ BENEDITO DA SILVA, S/N, VALE DO SOL

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE ITAPEVI

Marcos de Oliveira Anjos  
Secretário de Infraestrutura e Serviços Urbanos  
Prefeitura Municipal de Itapevi  
CPF nº 46.303.031/0001-28

Responsável técnico  
Engº Fábio das Virgens Junior  
CREA nº 5070331130

ASSUNTO: ARMAÇÃO DAS VIGAS BALDRAME 1/7

PROJETO	INDICADA	TIPO DE PROJETO
DATA	MAR/2023	ESTRUTURA
REVISÃO	03/03/2023	BÁSICO

07/17