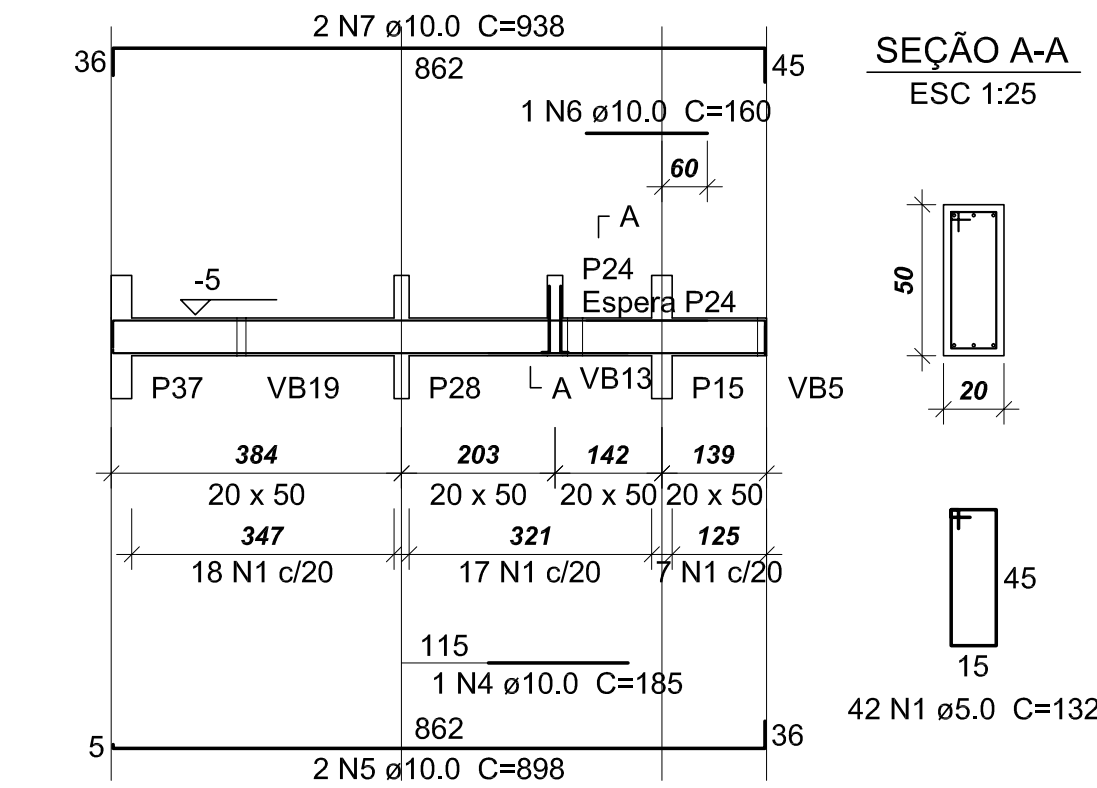


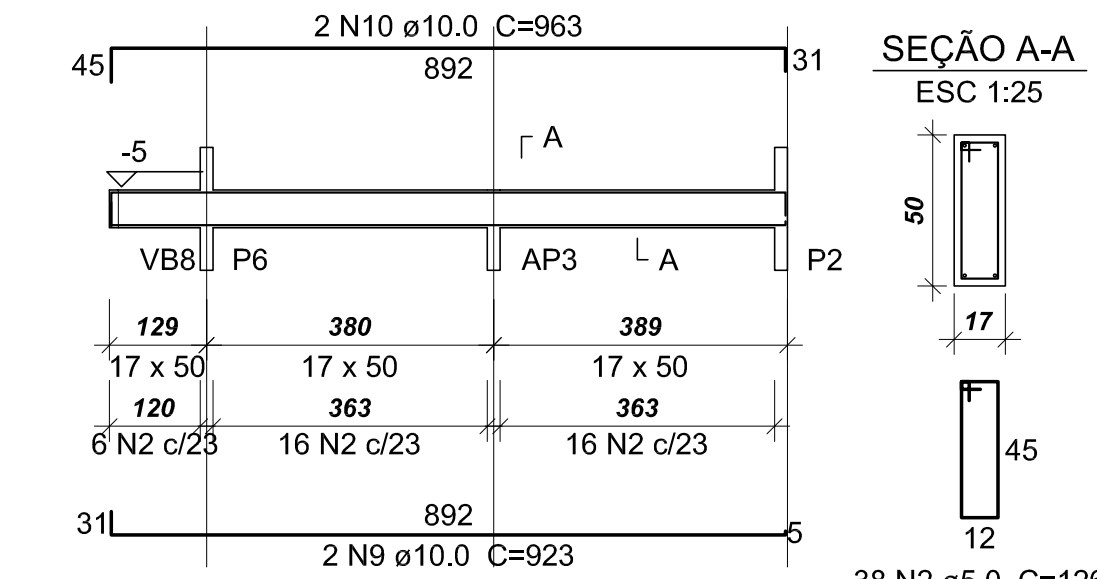
VB69 (20 x 50)

ESC 1:100



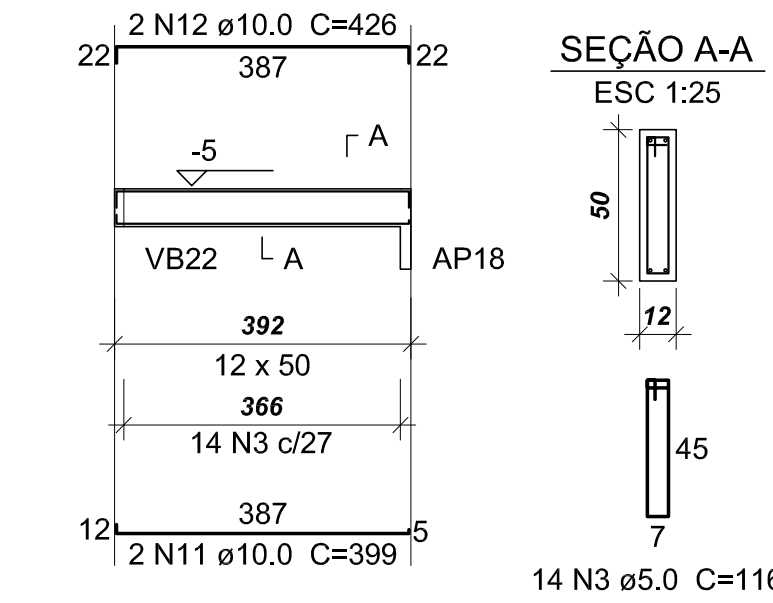
VB70 (17 x 50)

ESC 1:100



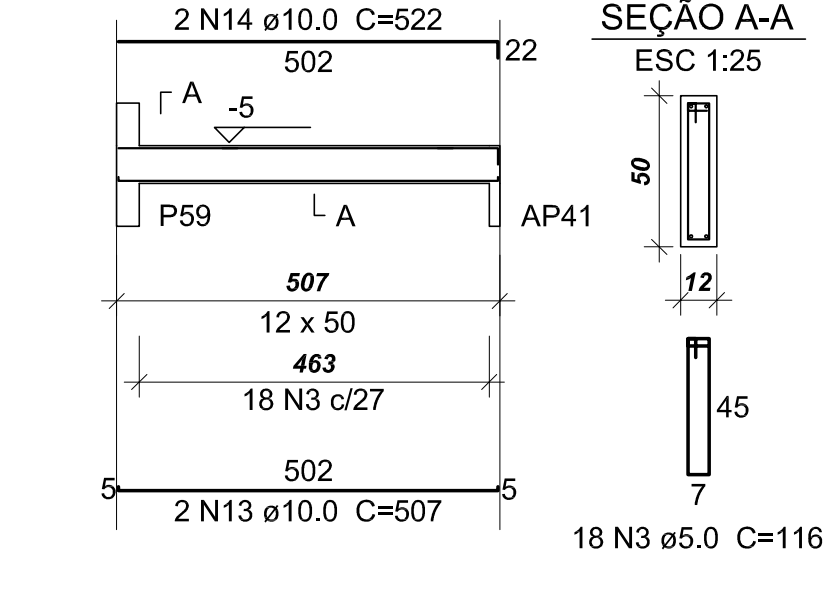
VB71 (12 x 50)

ESC 1:100



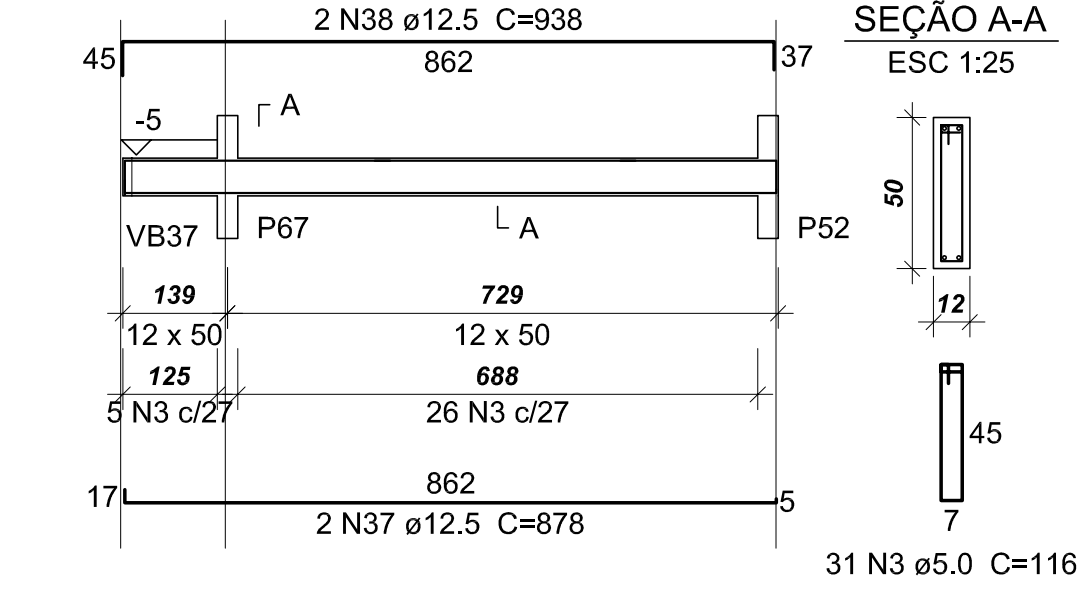
VB72 (12 x 50)

ESC 1:100



VB73 (12 x 50)

ESC 1:100

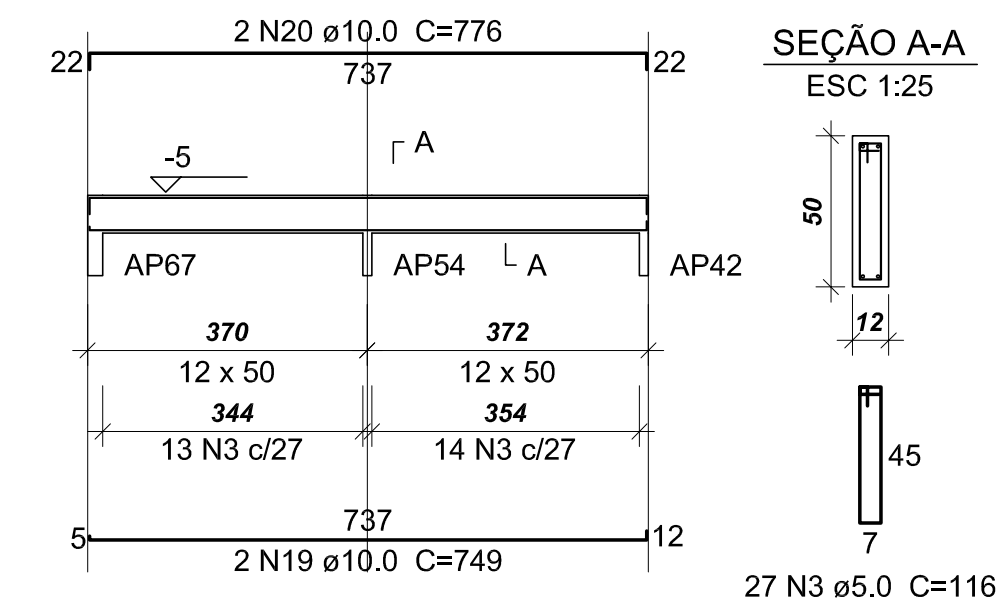


Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	138	132	18216
	2	5.0	38	126	4788
	3	5.0	532	116	61712
CA50	4	10.0	1	185	185
	5	10.0	2	898	1796
	6	10.0	1	160	160
	7	10.0	2	938	1876
	8	10.0	4	96	384
	9	10.0	2	923	1846
	10	10.0	2	963	1926
	11	10.0	2	399	798
	12	10.0	2	426	852
	13	10.0	2	507	1014
	14	10.0	2	522	1044
	15	10.0	14	742	10388
	16	10.0	2	737	1474
	17	10.0	4	145	580
	18	10.0	2	179	358
	19	10.0	8	749	5992
	20	10.0	8	776	6208
	21	10.0	8	742	5936
	22	10.0	8	769	6152
	23	10.0	12	747	8964
	24	10.0	2	202	404
	25	10.0	2	152	304
	26	10.0	2	209	418
	27	10.0	4	727	2908
	28	10.0	4	722	2888
	29	10.0	2	1172	2344
	30	10.0	2	882	1764
	31	10.0	2	1198	2396
	32	10.0	2	951	1902
	33	10.0	2	151	302
	34	10.0	2	208	416
	35	10.0	2	154	308
	36	10.0	2	211	422
	37	12.5	2	878	1756
	38	12.5	2	938	1876

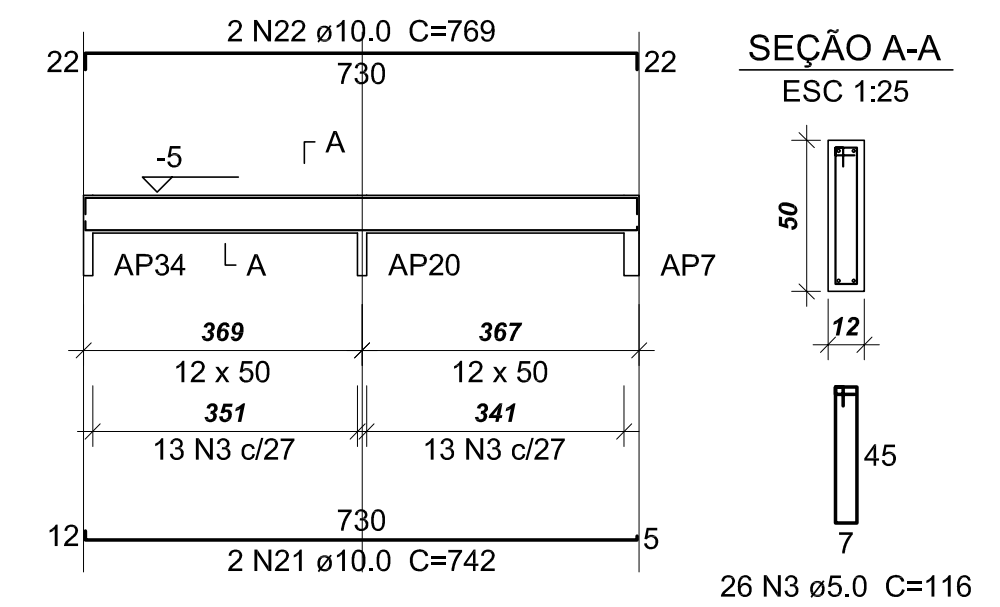
VB76 (12 x 50)

ESC 1:100



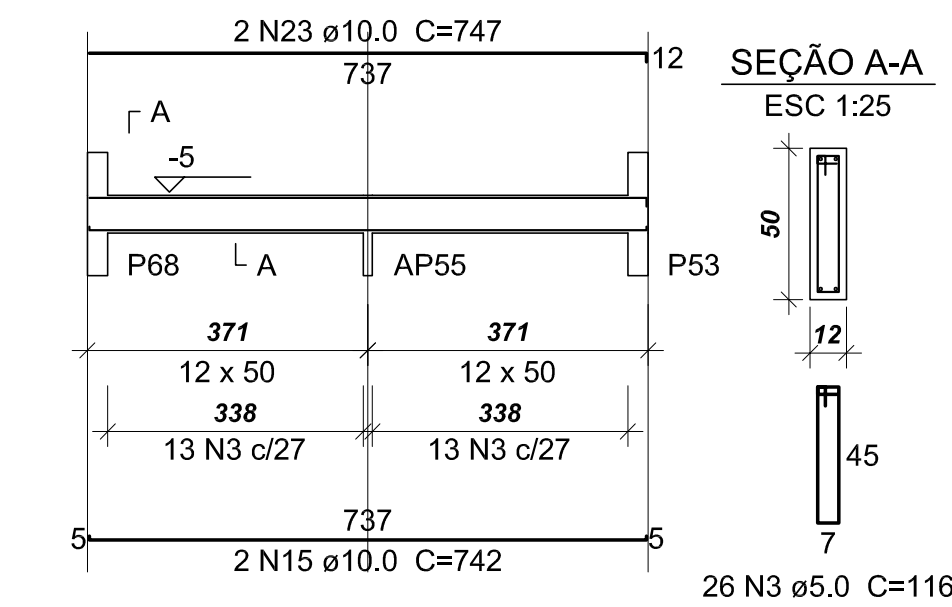
VB77 (12 x 50)

ESC 1:100



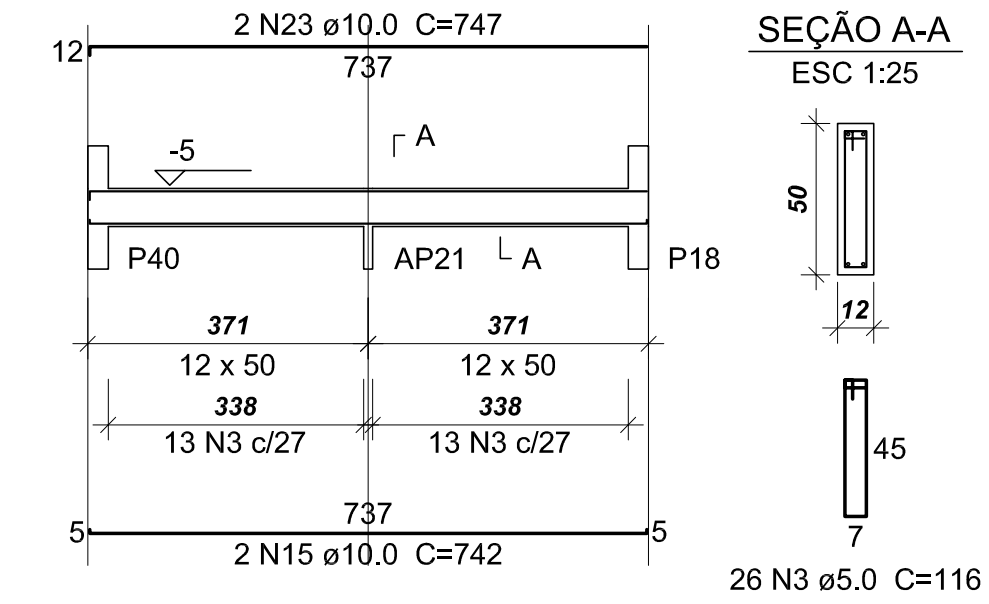
VB78 (12 x 50)

ESC 1:100



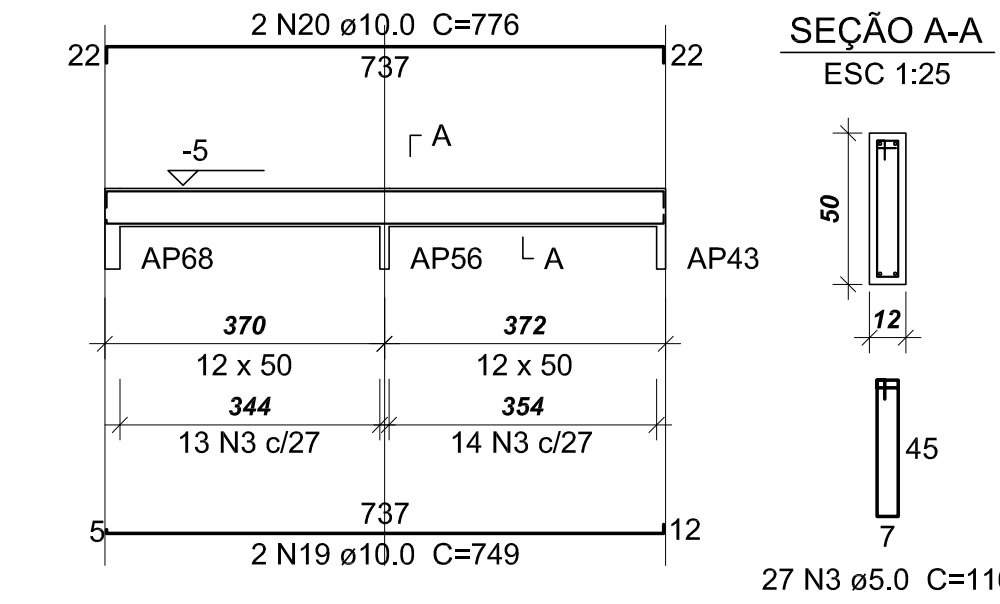
VB79 (12 x 50)

ESC 1:100



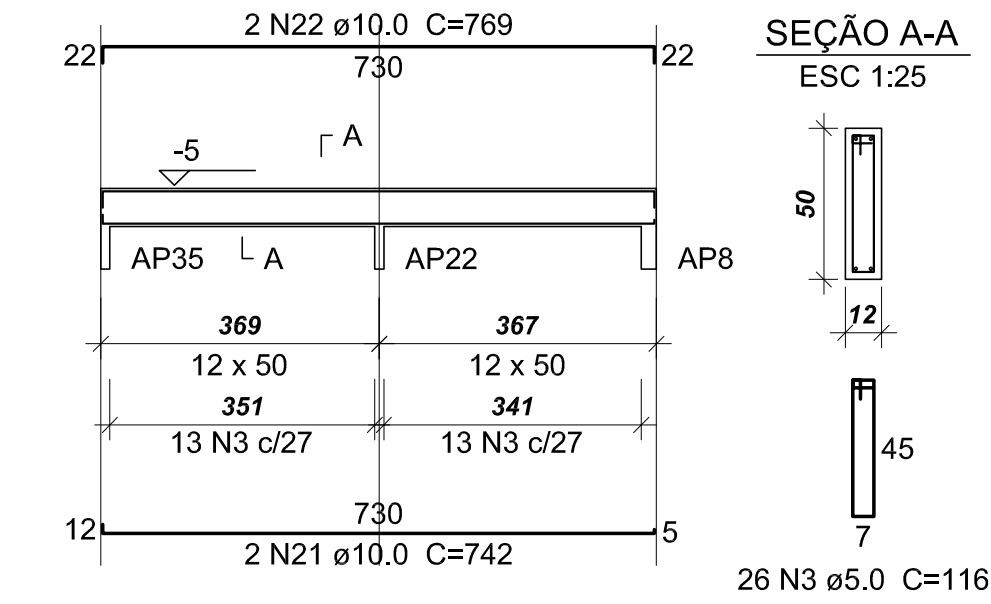
VB80 (12 x 50)

ESC 1:100



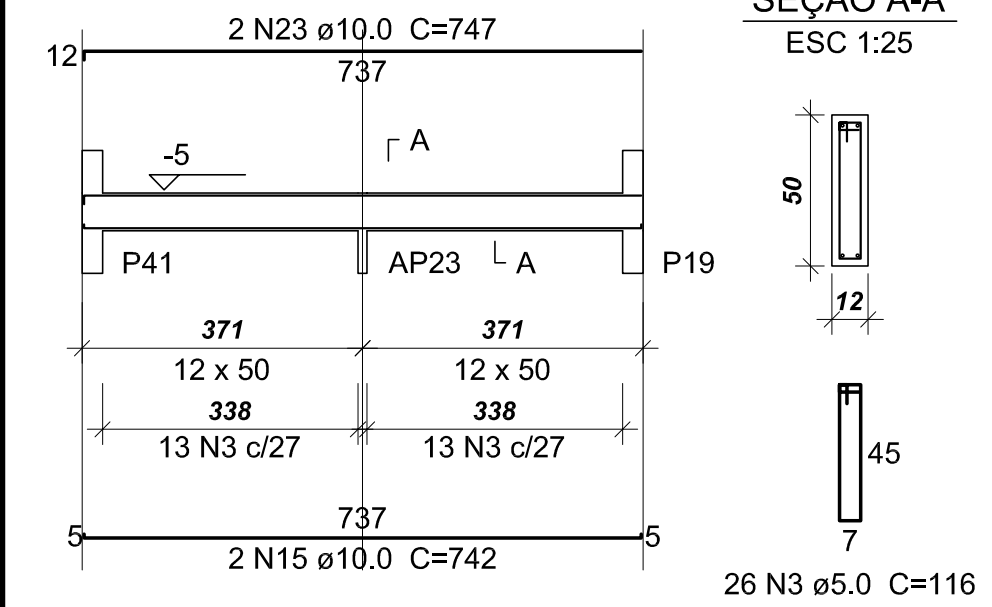
VB81 (12 x 50)

ESC 1:100



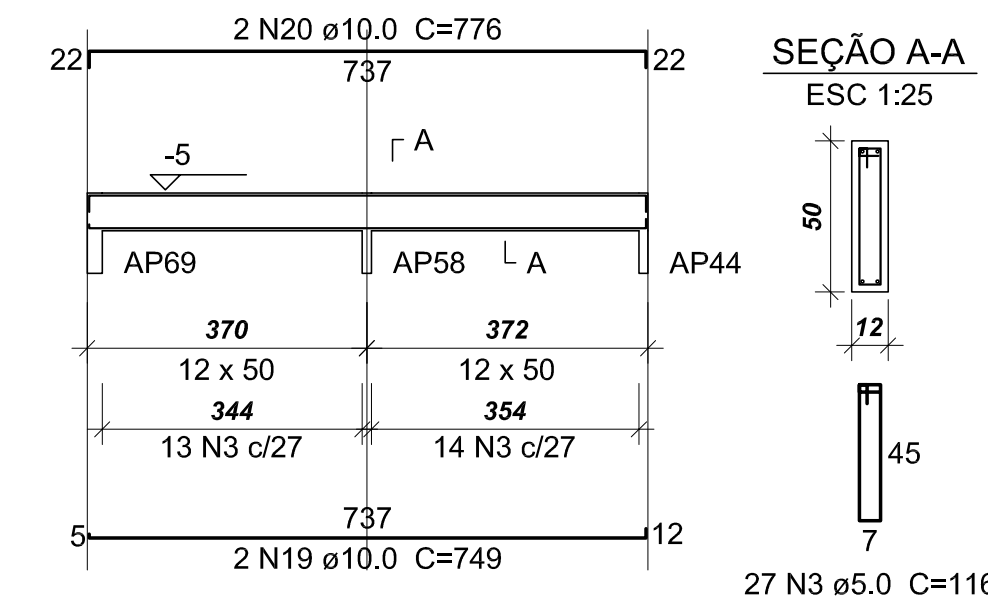
VB83 (12 x 50)

ESC 1:100



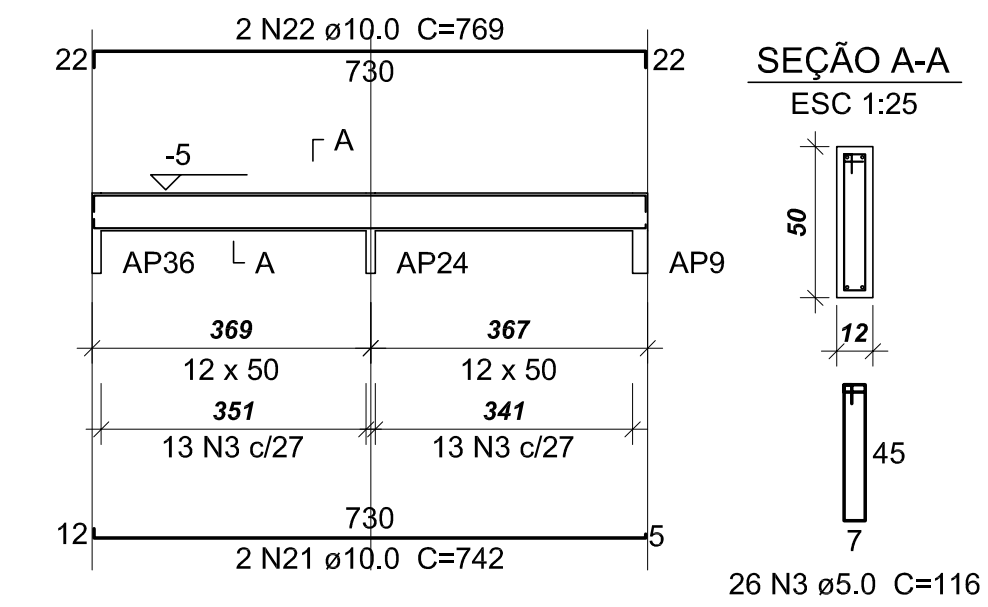
VB84 (12 x 50)

ESC 1:100



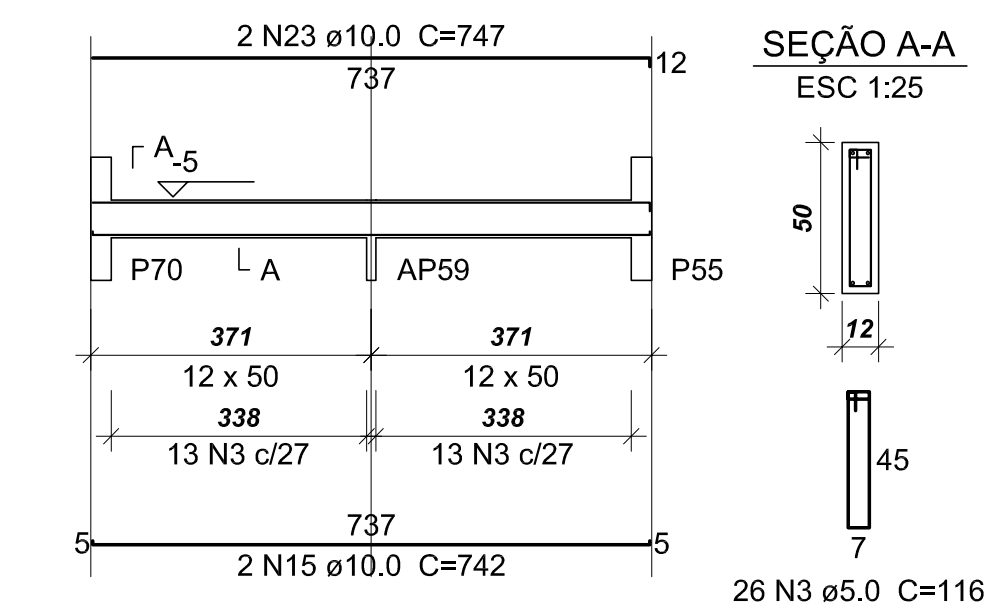
VB85 (12 x 50)

ESC 1:100



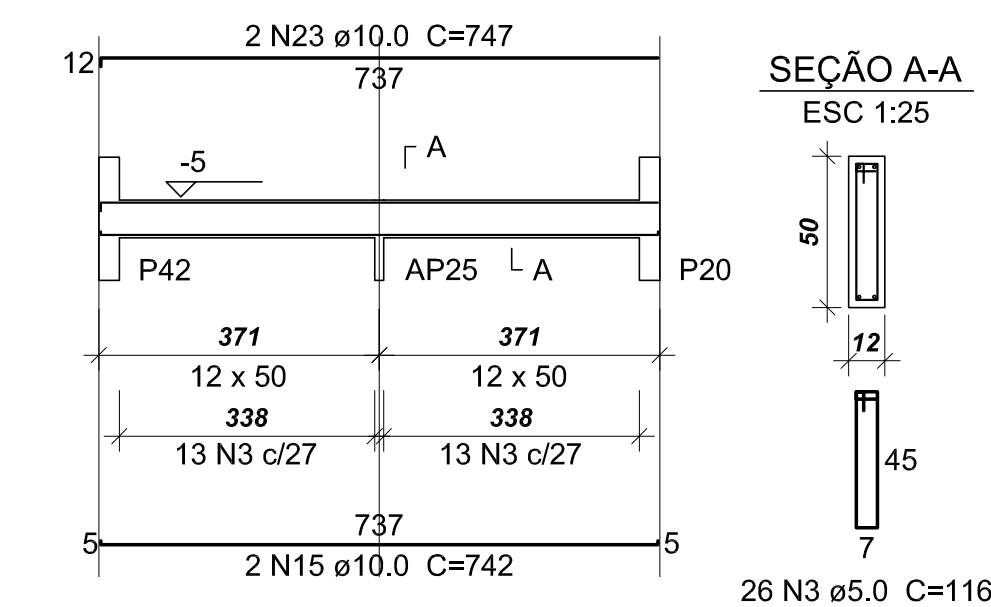
VB86 (12 x 50)

ESC 1:100



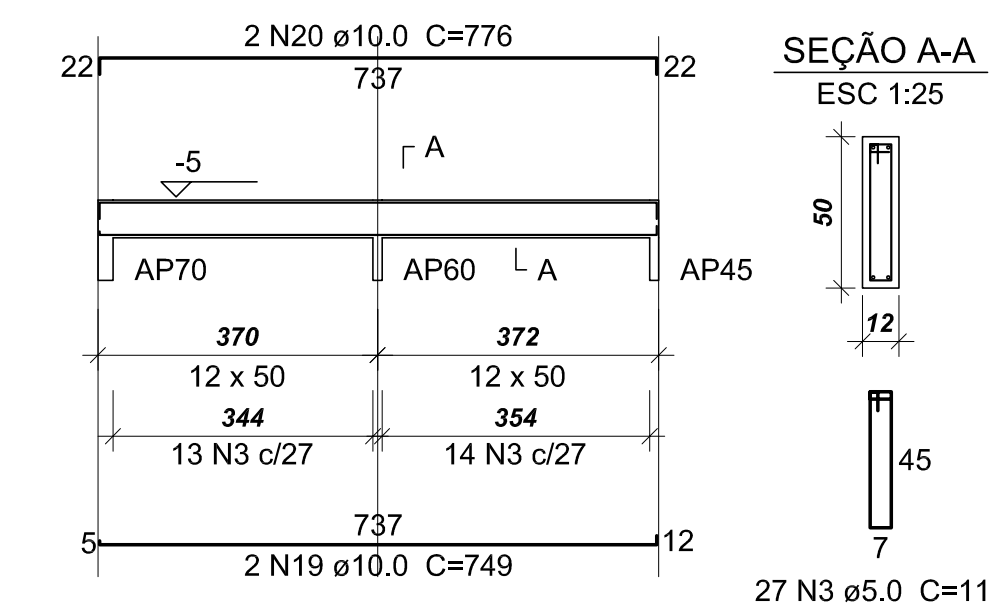
VB87 (12 x 50)

ESC 1:100



VB88 (12 x 50)

ESC 1:100



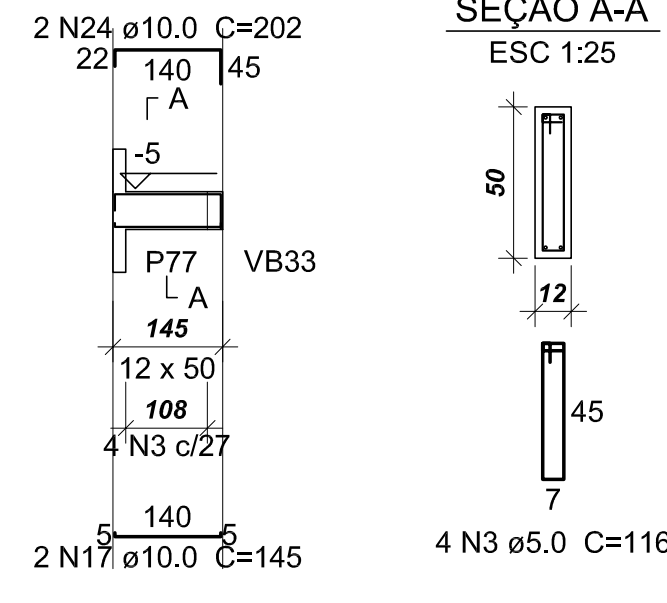
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	747.1	460.6
	12.5	36.4	35
CA60	5.0	847.2	130.6
PESO TOTAL		495.6	
CA50		495.6	
CA60		130.6	

Vol. de concreto total (C-25) = 12.67 m³
Área de forma total = 213.64 m²

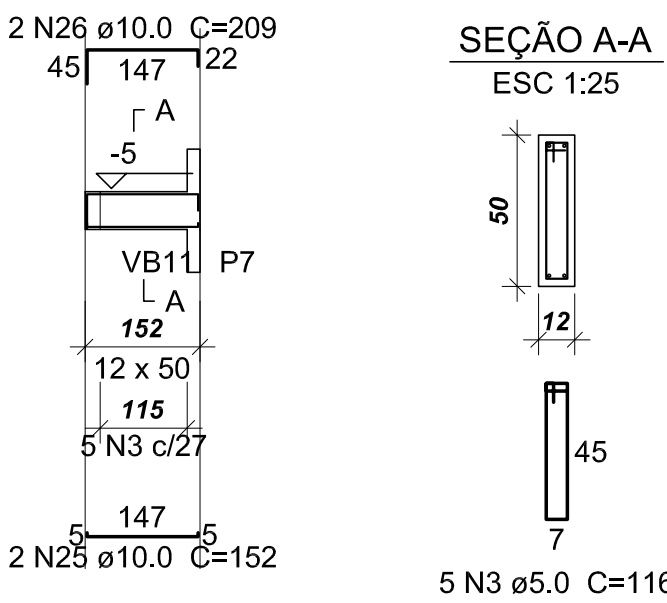
VB90 (12 x 50)

ESC 1:100



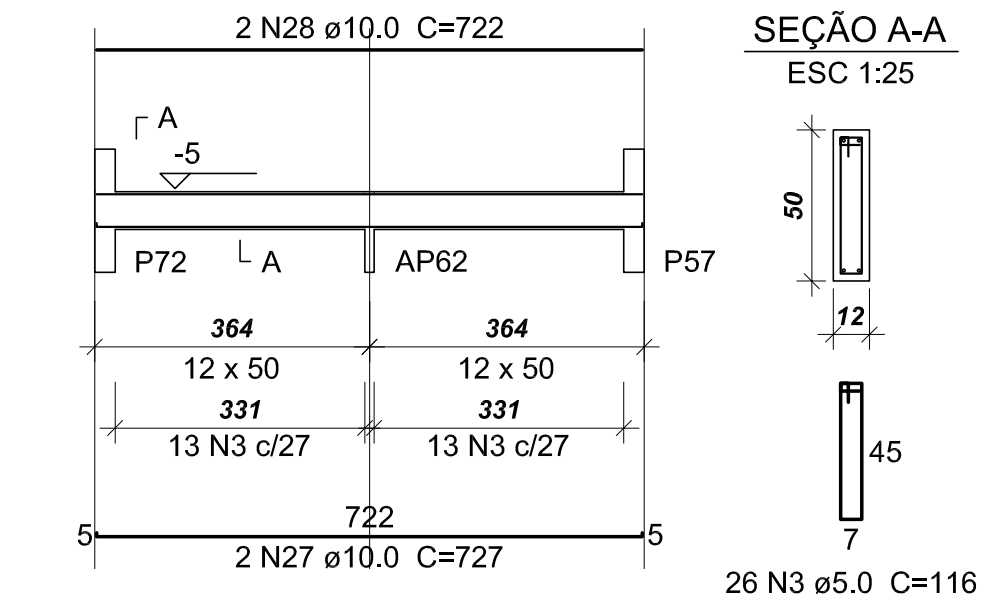
VB91 (12 x 50)

ESC 1:100



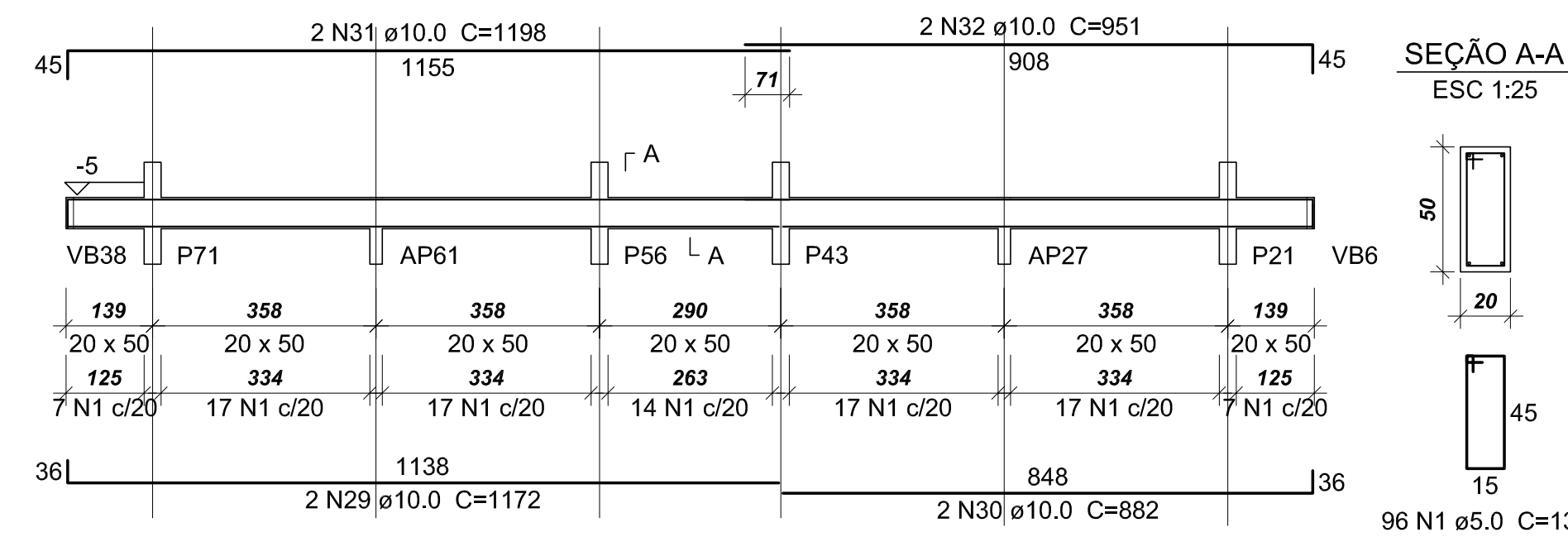
VB95 (12 x 50)

ESC 1:100



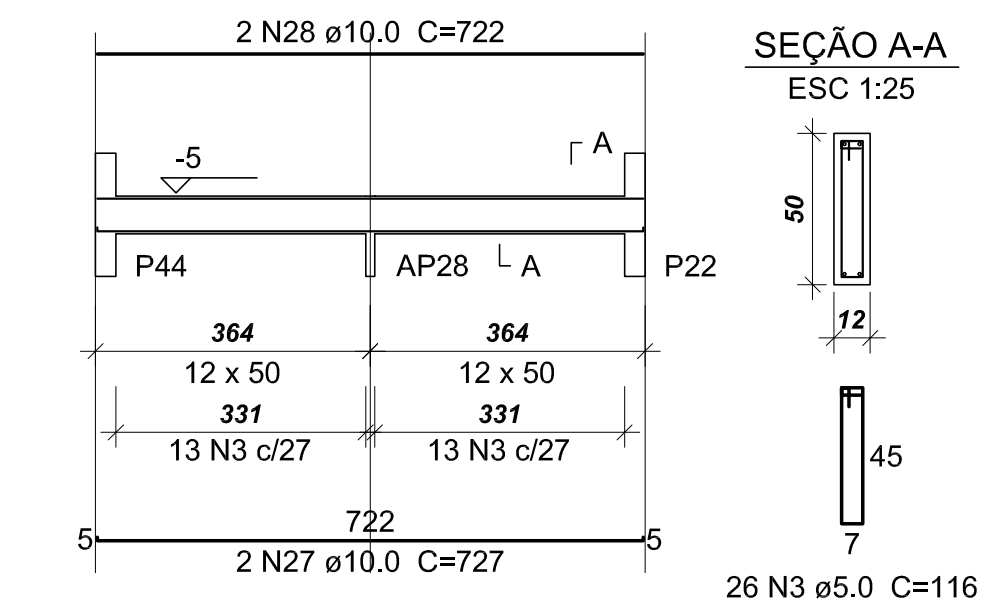
VB92 (20 x 50)

ESC 1:100



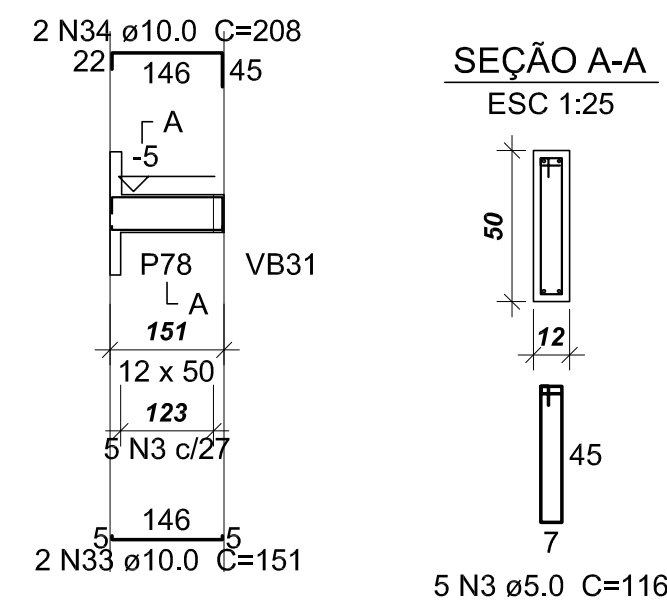
VB96 (12 x 50)

ESC 1:100



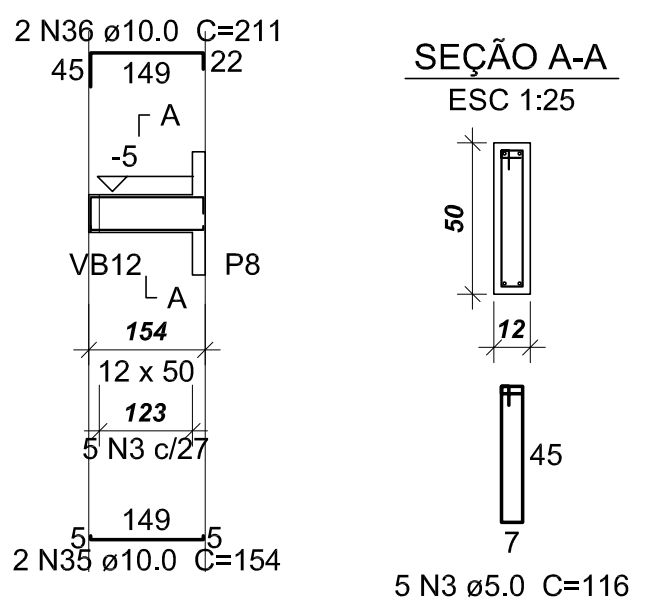
VB97 (12 x 50)

ESC 1:100



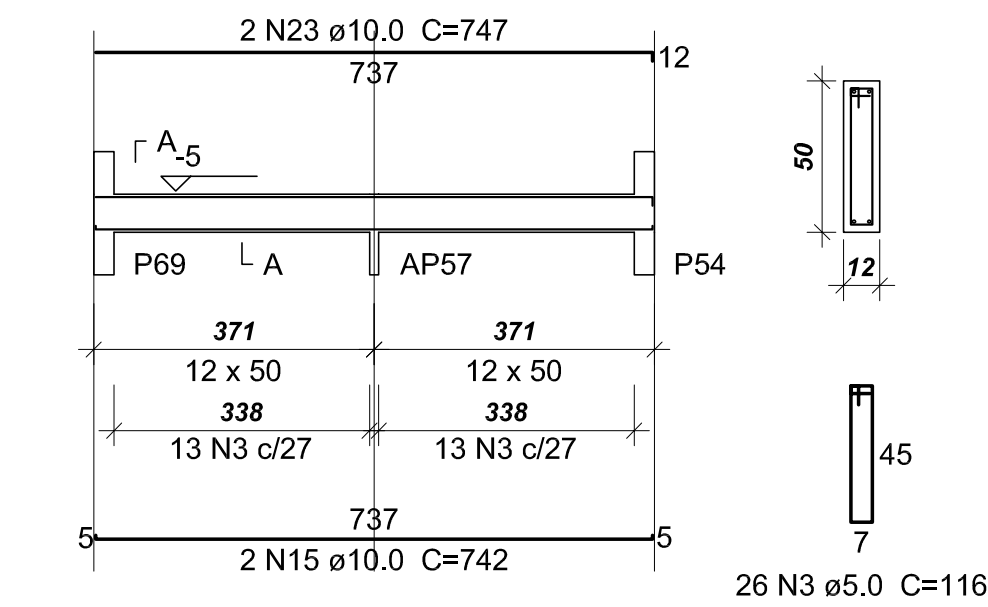
VB98 (12 x 50)

ESC 1:100



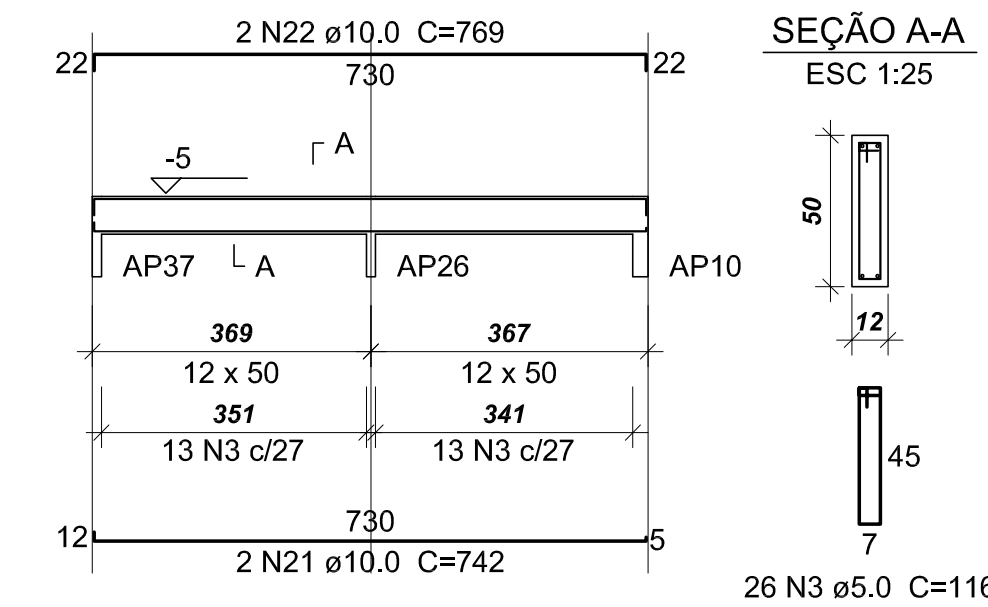
VB82 (12 x 50)

ESC 1:100



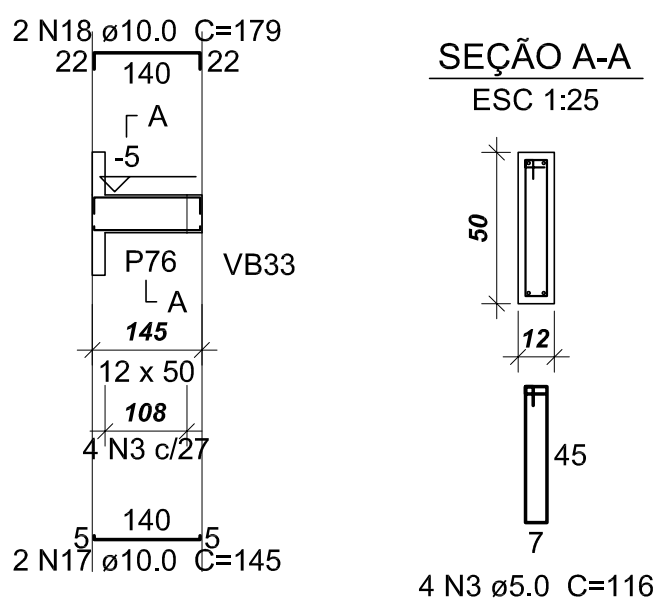
VB89 (12 x 50)

ESC 1:100



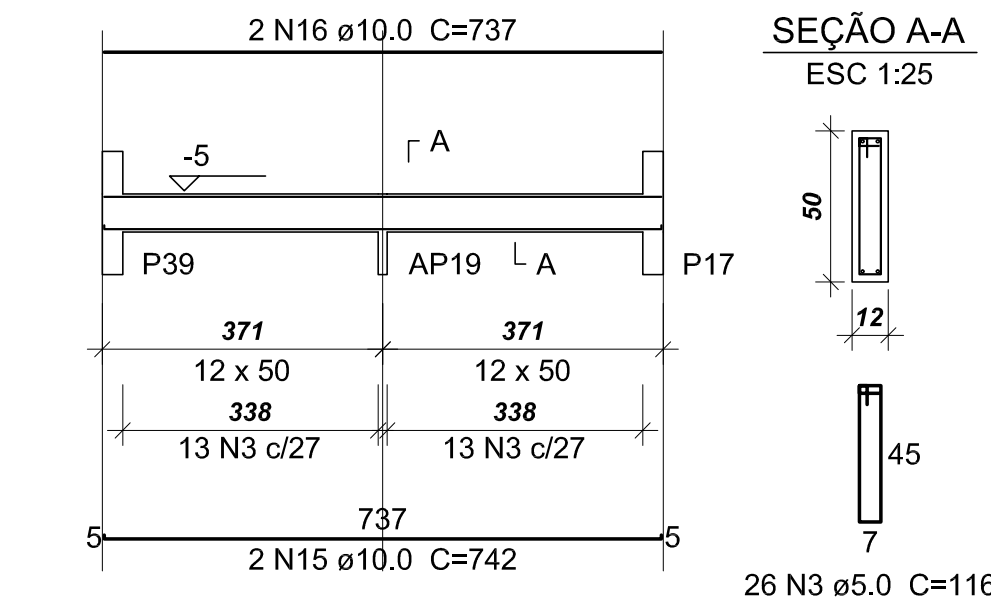
VB75 (12 x 50)

ESC 1:100



VB74 (12 x 50)

ESC 1:100



VB69	VB70	VB71
VB72	VB73	VB74
VB75	VB76	VB77
VB78	VB79	VB80
VB81	VB82	VB83
VB84	VB85	VB86
VB87	VB88	VB89
VB90	VB91	VB92
VB95	VB96	VB97

DT: 22.07.2013	PROJETO ESTRUTURAL
Nº: DATA	RESPONSÁVEL: DESCRICÃO DA REVISÃO:
 AS BUILT ENGENHARIA DE PROJETOS LTDA Rua Jovino do Rosário, 1364 - Boa Vista CEP: 82060-435 - Curitiba - Paraná asbuiltprojetos@gmail.com - (41) 3088-4949	
PÁGINA: PROJETO ESTRUTURAL	
CONFERIR MEDIDAS NA OBRA	
OBJETO: ADMINISTRAÇÃO CAMPUS UNAI 	
PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI CNPJ: 16.806.315/0001-57	
FRANCHA: FERRAGENS DAS VIGAS: BALDRAMES (3)	
AUTOR PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES CREA 7362/D - PR	
ESCALA: INDICADA	DESENHO: EQUIPE
VERSÃO: VERSAO I	DATA: 22/07/2013
ÁREA CONSTRUIDA: 3056,63m²	FOLHA: EST 07/22
ARQUIVO:	