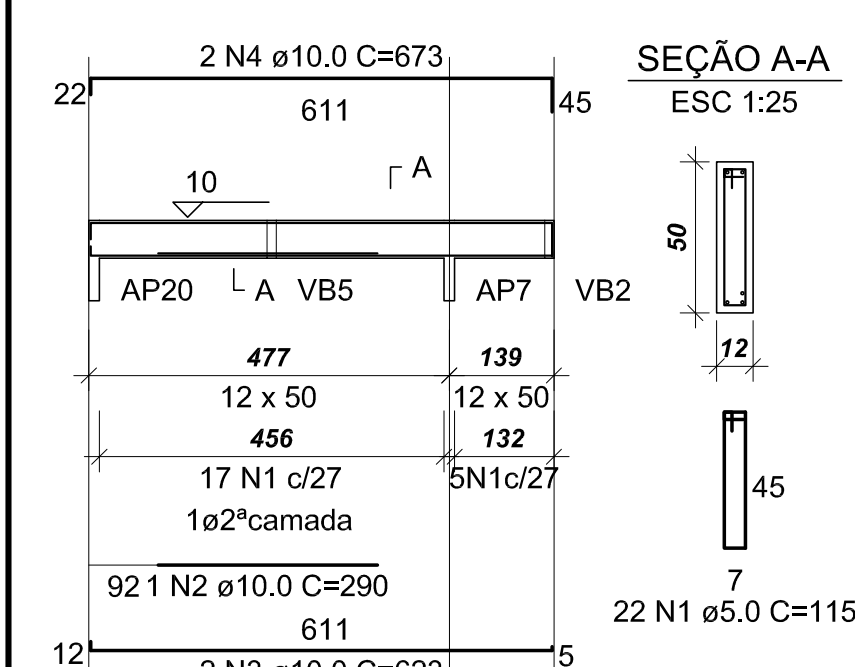
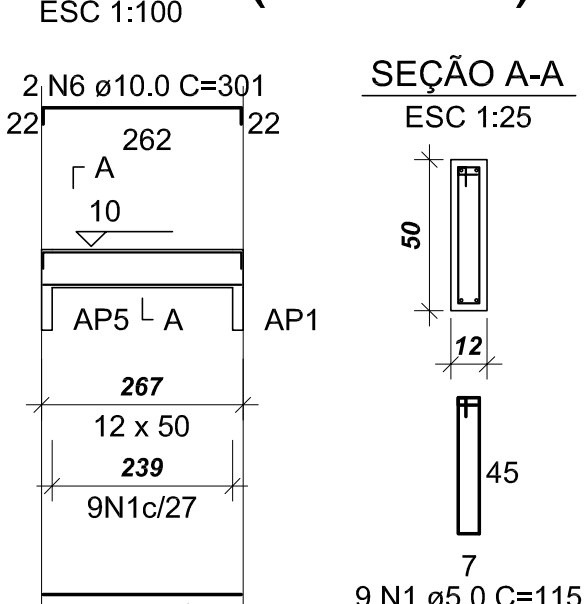


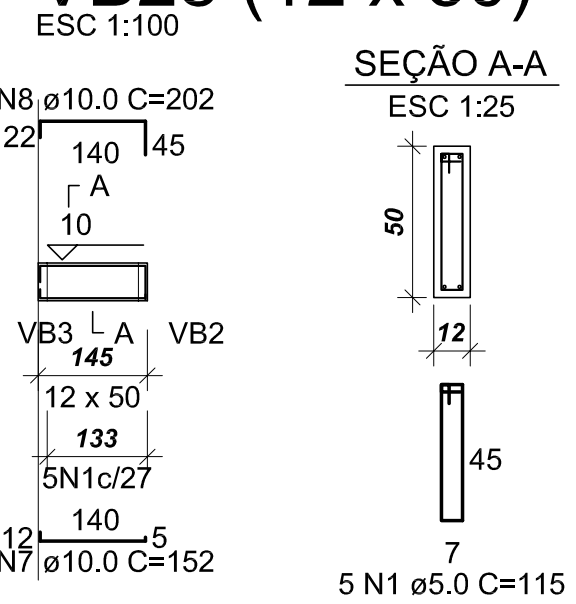
VB26 (12 x 50)
ESC 1:100



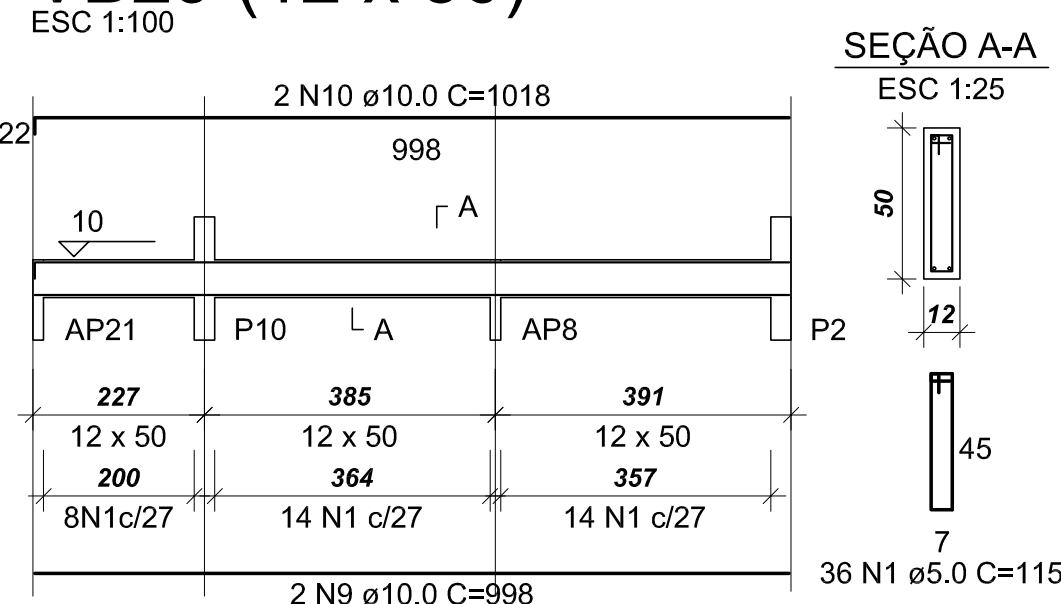
VB27 (12 x 50)
ESC 1:100



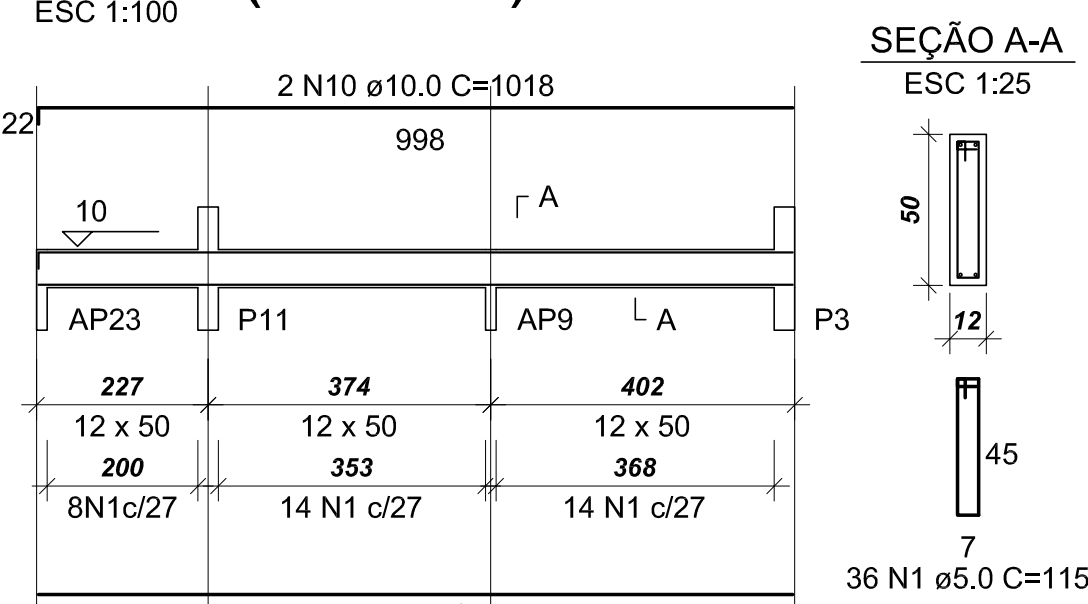
VB28 (12 x 50)
ESC 1:100



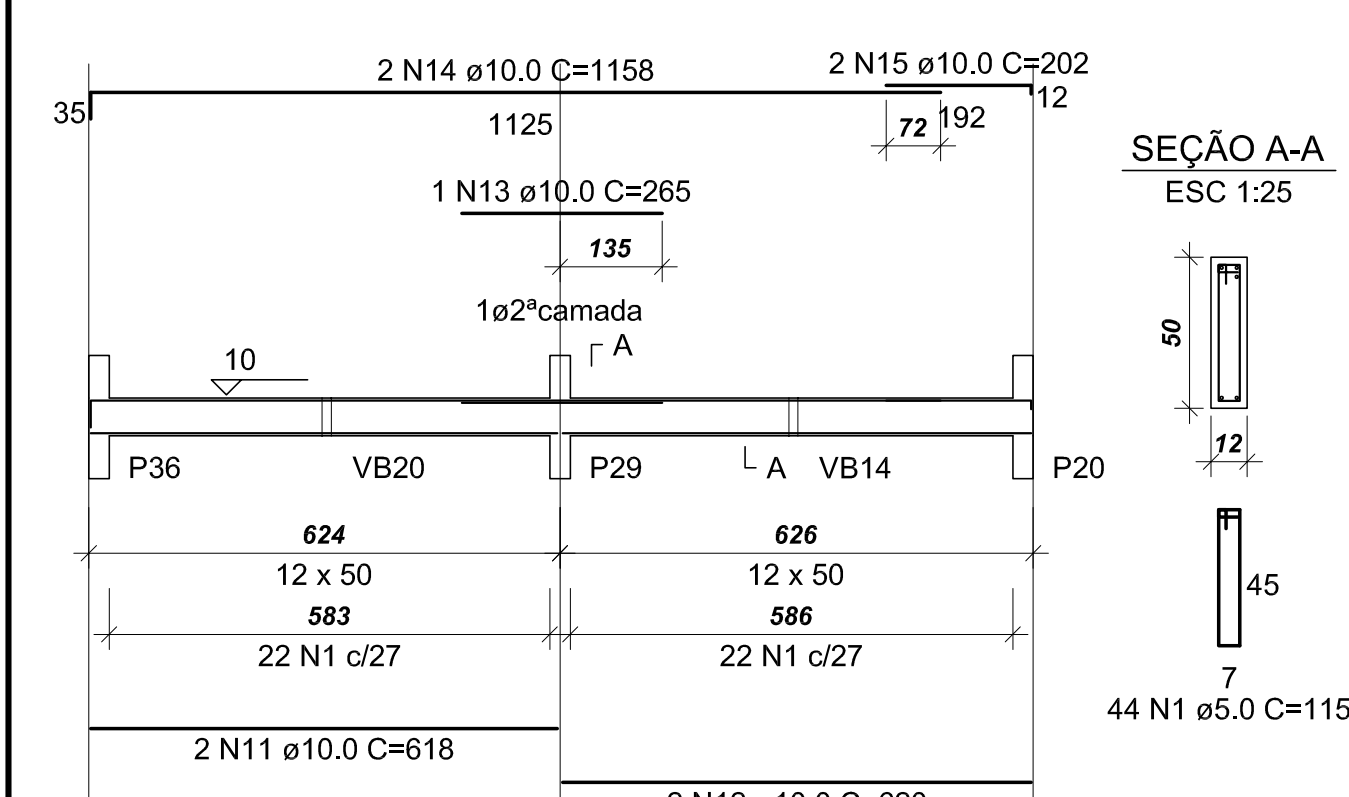
VB29 (12 x 50)
ESC 1:100



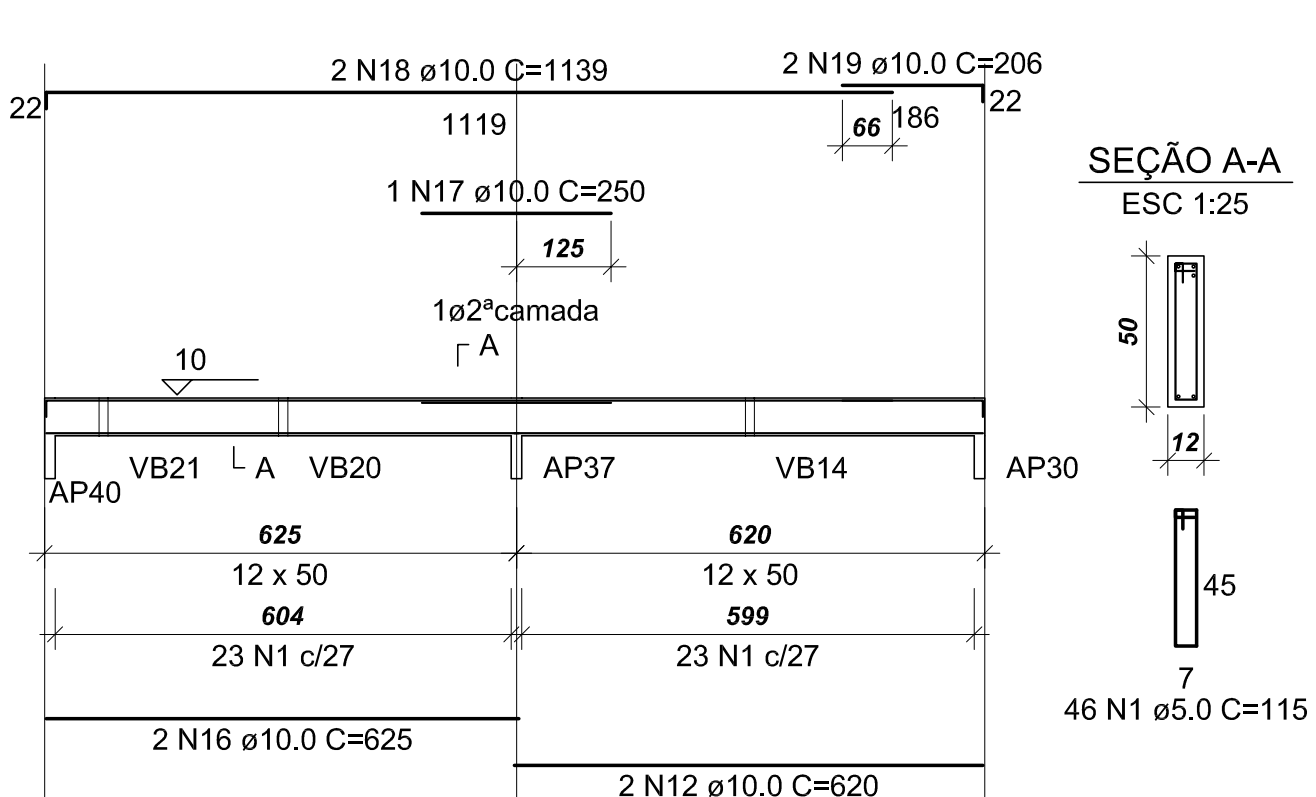
VB32 (12 x 50)
ESC 1:100



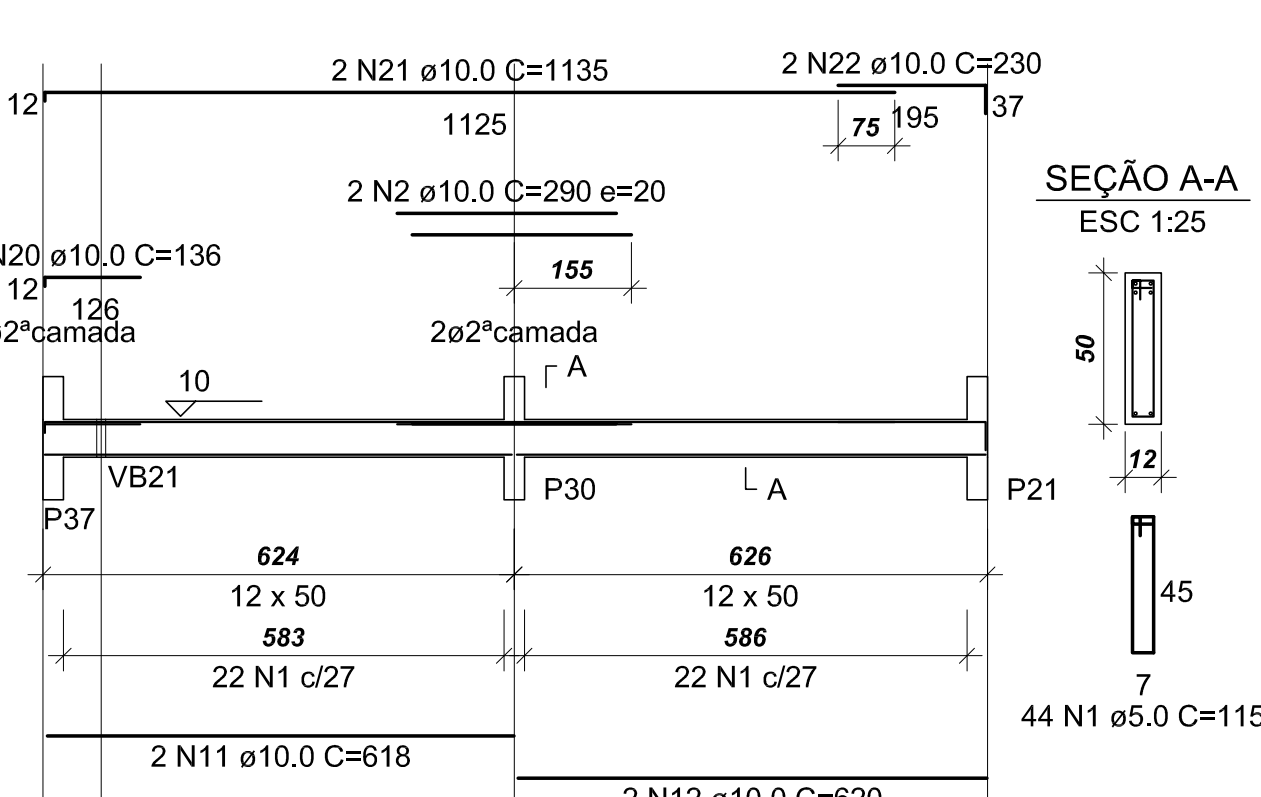
VB30 (12 x 50)
ESC 1:100



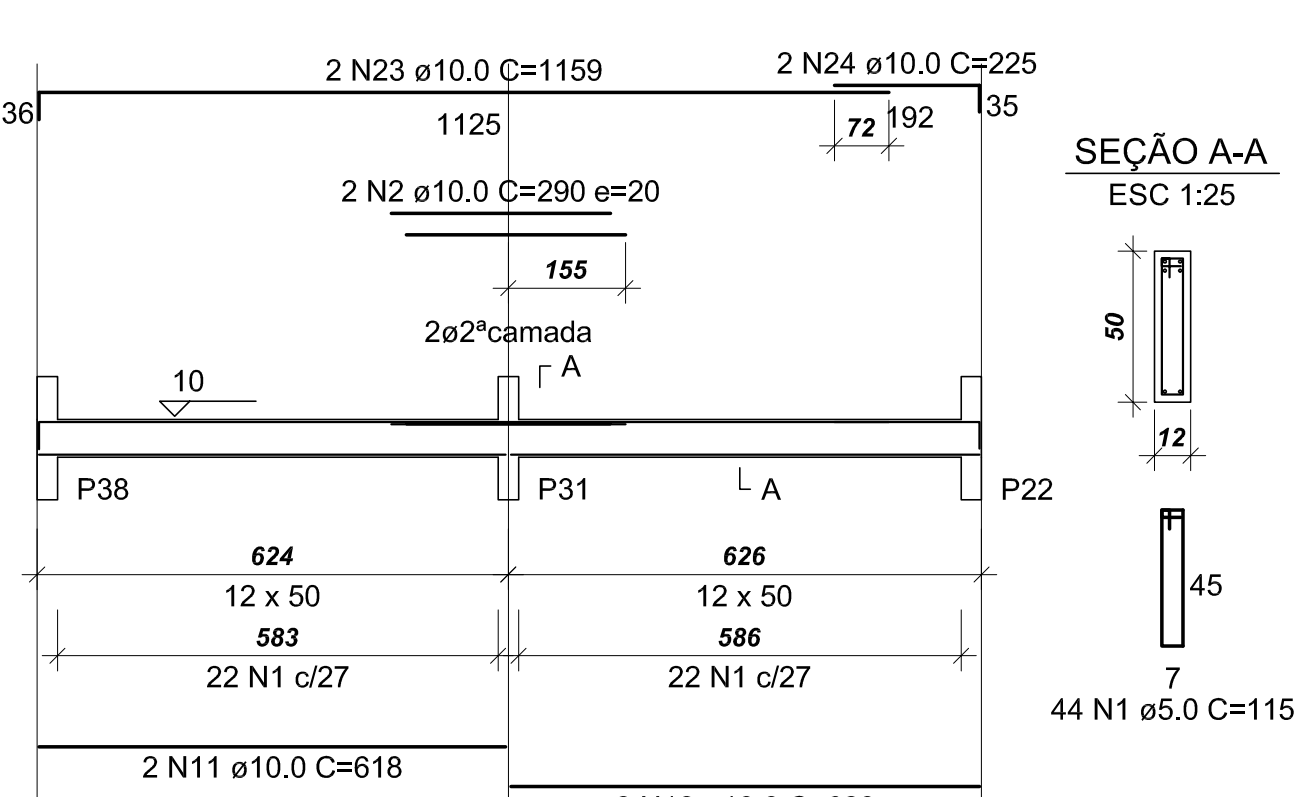
VB31 (12 x 50)
ESC 1:100



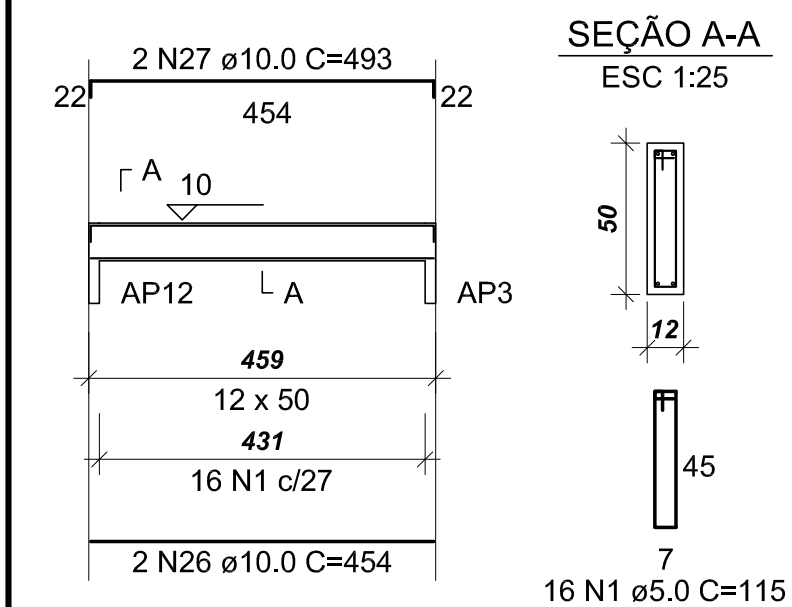
VB33 (12 x 50)
ESC 1:100



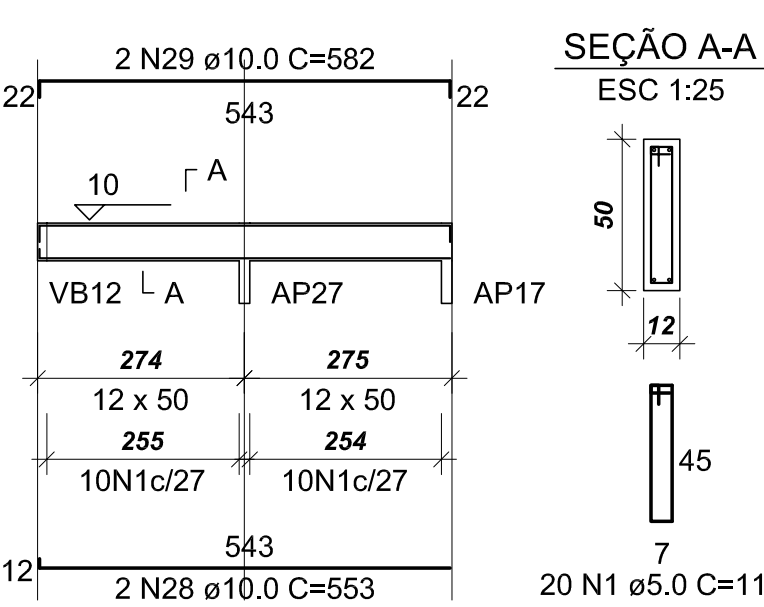
VB35 (12 x 50)
ESC 1:100



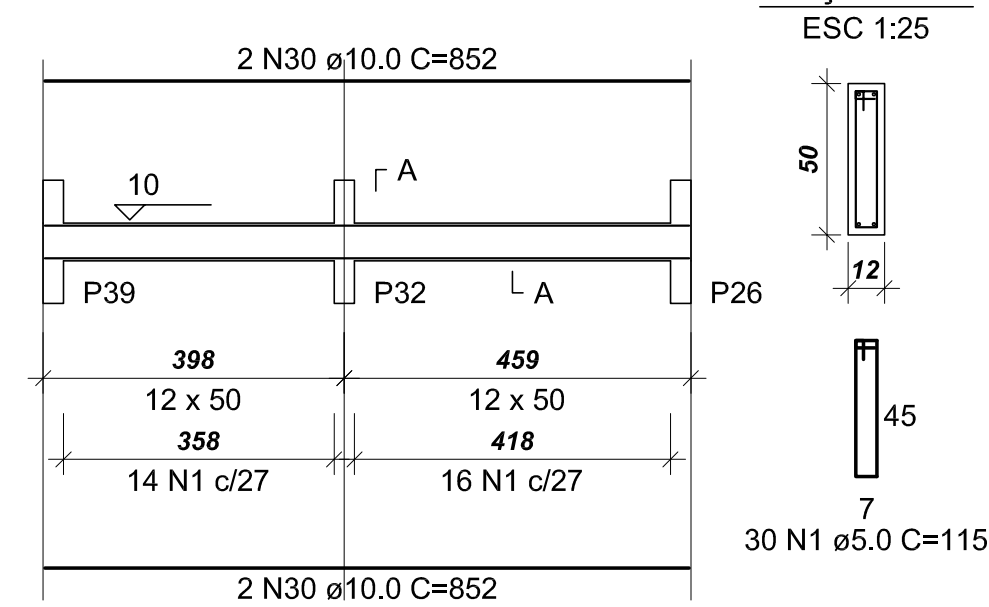
VB37 (12 x 50)
ESC 1:100



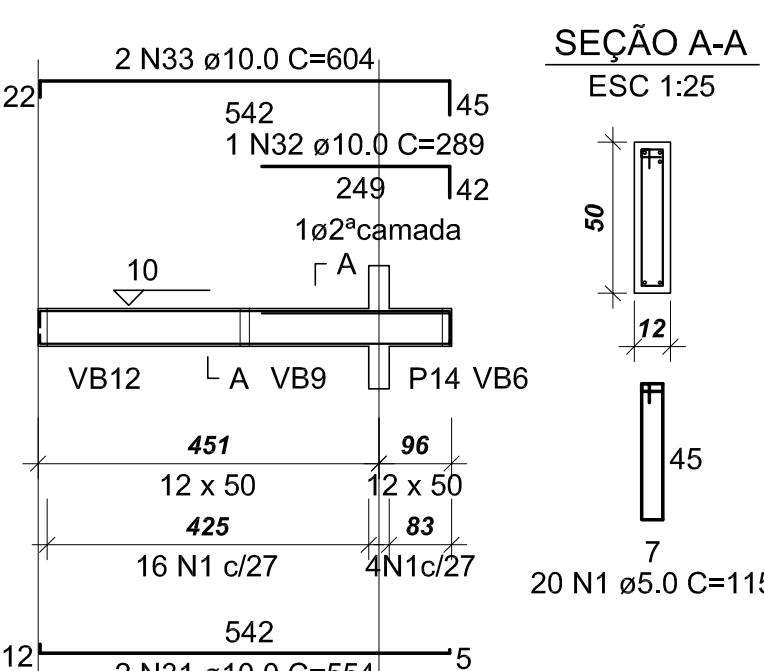
VB38 (12 x 50)
ESC 1:100



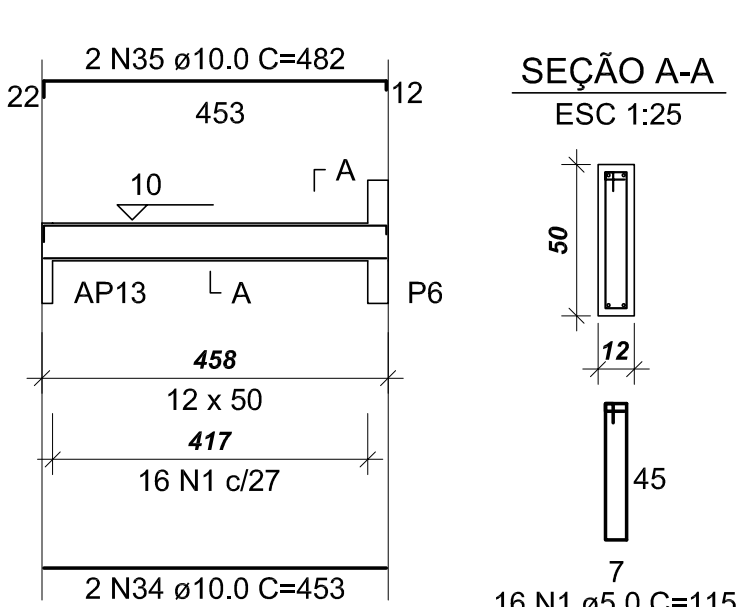
VB39 (12 x 50)
ESC 1:100



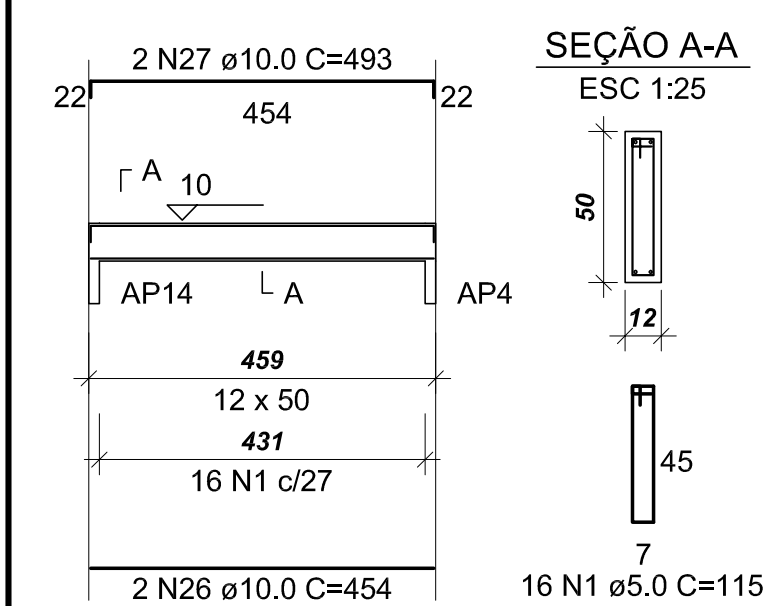
VB40 (12 x 50)
ESC 1:100



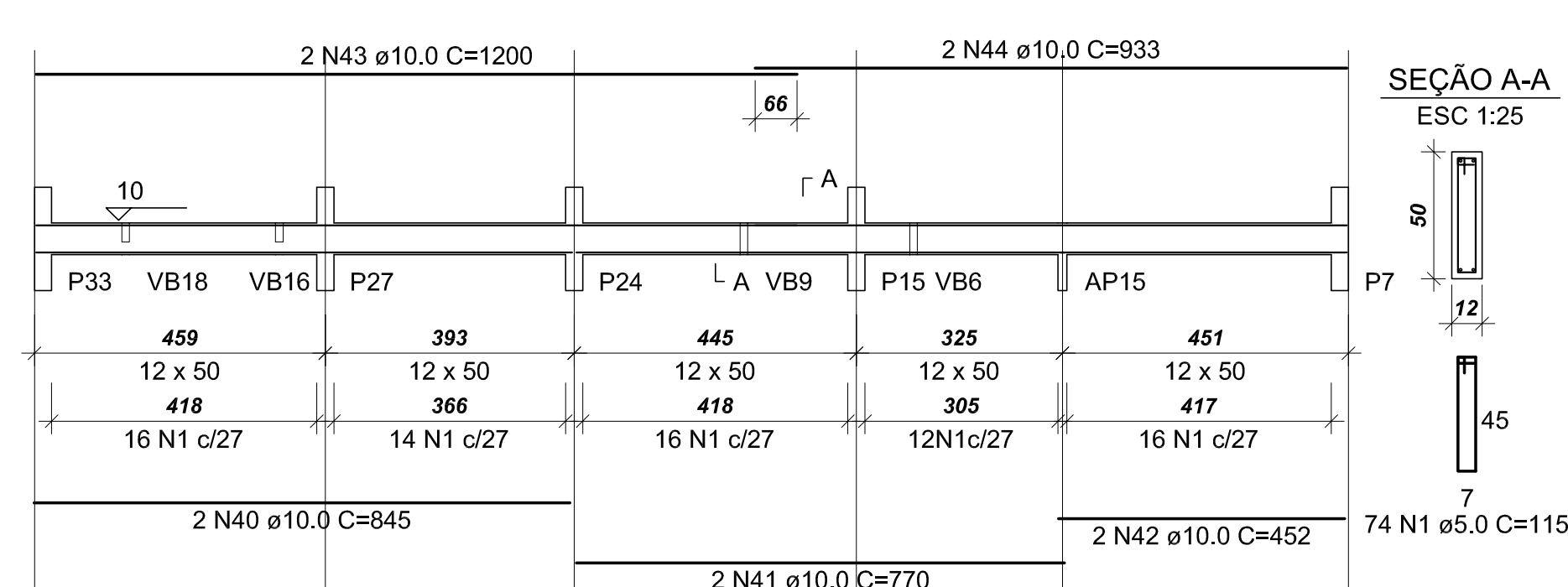
VB41 (12 x 50)
ESC 1:100



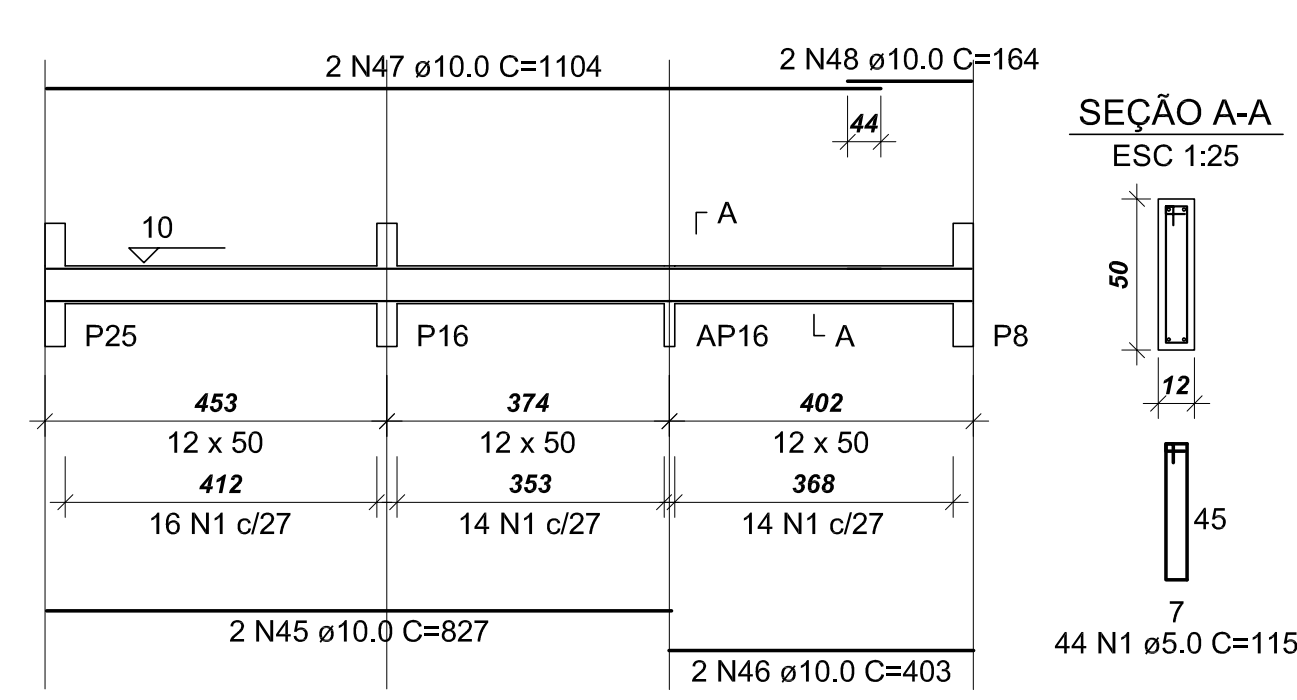
VB44 (12 x 50)
ESC 1:100



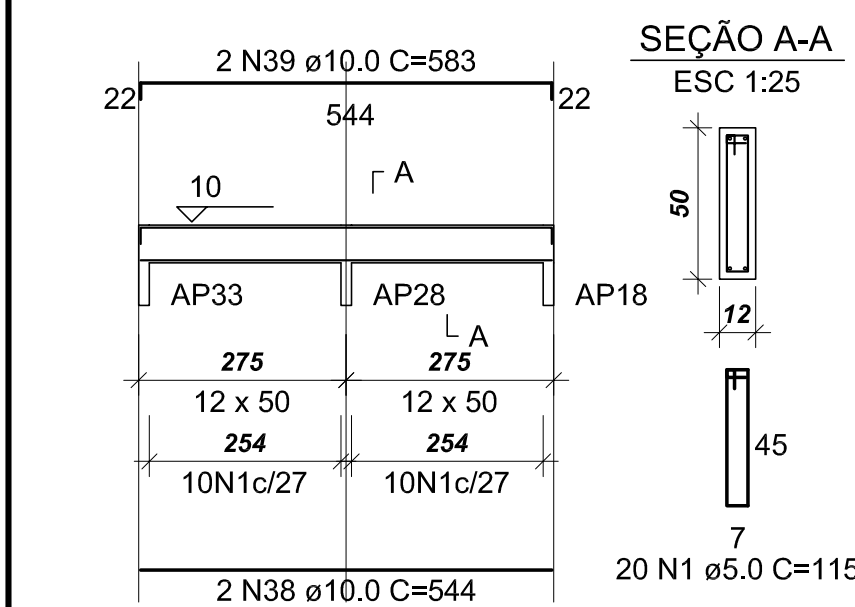
VB45 (12 x 50)
ESC 1:100



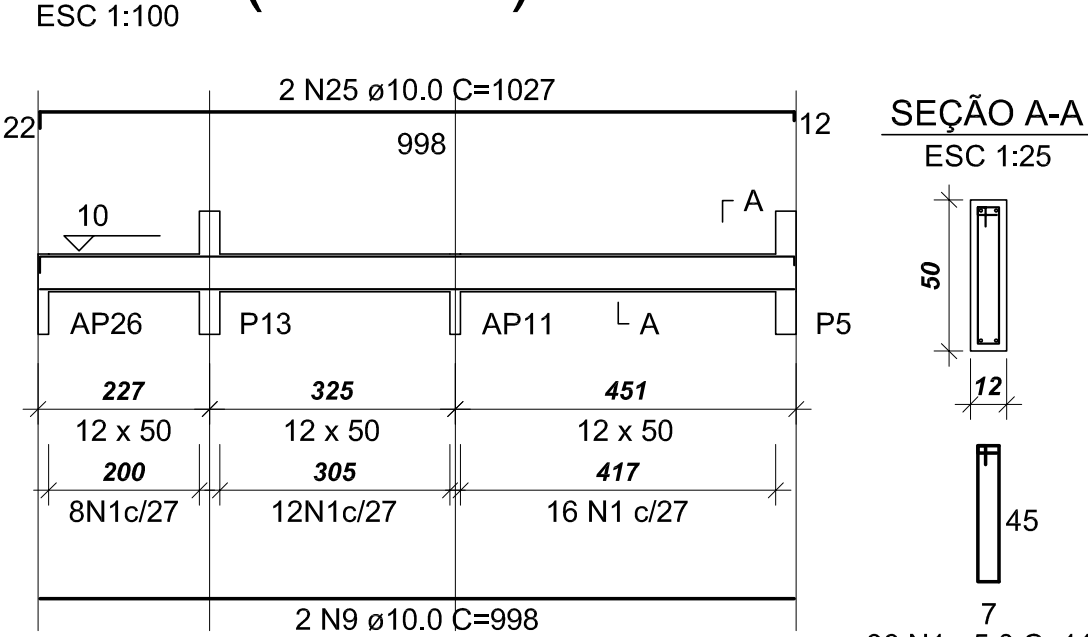
VB46 (12 x 50)
ESC 1:100



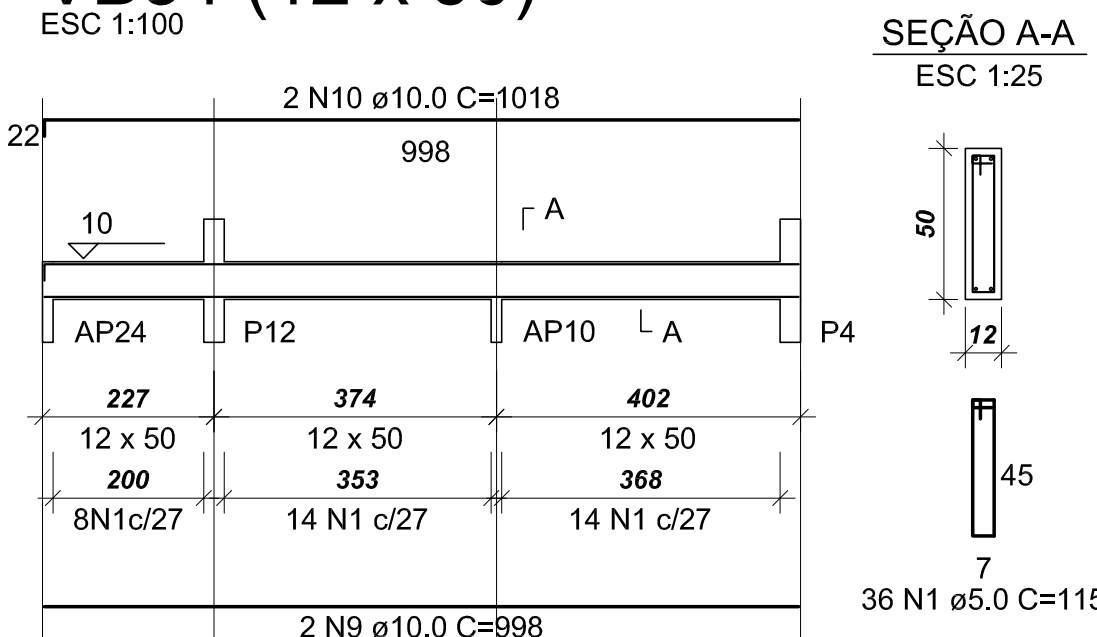
VB43 (12 x 50)
ESC 1:100



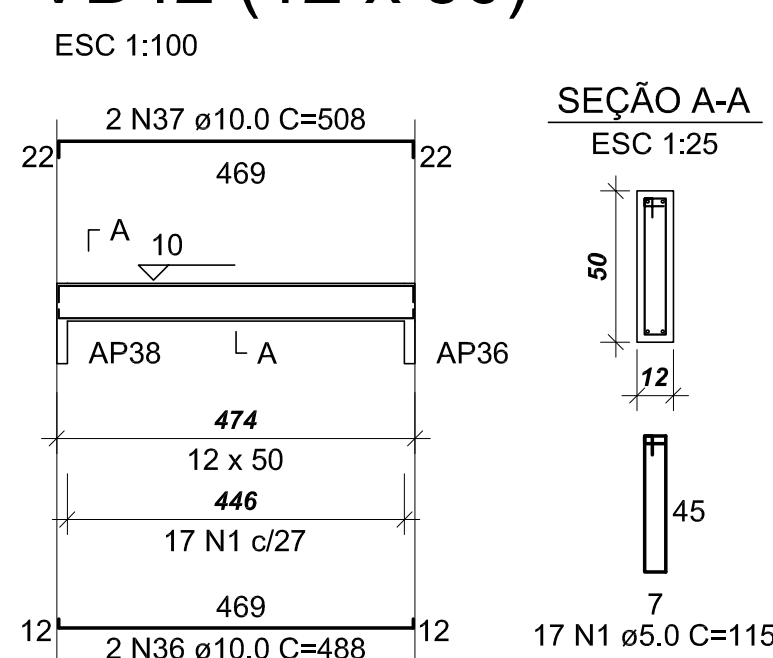
VB36 (12 x 50)
ESC 1:100



VB34 (12 x 50)
ESC 1:100



VB42 (12 x 50)
ESC 1:100



RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT	C.TOTAL
60	1	5.0	631	115	72565
50	2	10.0	5	290	1450
	3	10.0	2	623	1246
	4	10.0	2	673	1346
	5	10.0	2	282	524
	6	10.0	2	301	602
	7	10.0	2	152	304
	8	10.0	2	202	404
	9	10.0	8	998	7984
	10	10.0	6	1018	6108
	11	10.0	6	618	3708
	12	10.0	8	620	4960
	13	10.0	1	265	265
	14	10.0	2	1158	2316
	15	10.0	2	202	404
	16	10.0	2	625	1250
	17	10.0	1	250	250
	18	10.0	2	1139	2278
	19	10.0	2	206	412
	20	10.0	1	136	136
	21	10.0	2	1135	2270
	22	10.0	2	230	460
	23	10.0	2	1159	2318
	24	10.0	2	225	450
	25	10.0	2	1027	2054
	26	10.0	4	454	1816
	27	10.0	4	493	1972
	28	10.0	2	553	1106
	29	10.0	2	582	1164
	30	10.0	4	852	3408
	31	10.0	2	554	1108
	32	10.0	1	289	289
	33	10.0	2	604	1208
	34	10.0	2	453	906
	35	10.0	2	482	964
	36	10.0	2	488	976
	37	10.0	2	508	1016
	38	10.0	2	544	1088
	39	10.0	2	583	1166
	40	10.0	2	845	1690
	41	10.0	2	770	1540
	42	10.0	2	452	904
	43	10.0	2	1200	2400
	44	10.0	2	833	1666
	45	10.0	2	827	1654
	46	10.0	2	453	906
	47	10.0	2	1104	2208
	48	10.0	2	164	328

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL	PESO+0%
CA50	10.0	750.9	463.1
CA60	5.0	728.8	112.2
PESO TOTAL			
CA50		463.1	
CA60		112.2	

Vol. de concreto total (C-25) = 10.61 m³
Área de forma total = 198.05 m²

VB26	VB27	VB28
VB29	VB30	VB31
VB32	VB33	VB34
VB35	VB36	VB37
VB38	VB39	VB40
VB41	VB42	VB43
VB44	VB45	VB46

DI	17.07.2013	PROJETO ESTRUTURAL
TP	DATA	RESPONSÁVEL
AS BUILT ENGENHARIA DE PROJETOS LTDA		
Rua Jovino da Rocha, 1564 - Boa Vista		
CEP 82604-435 - Curitiba - Paraná		
web@projetos@gmail.com - (41) 3088-4949		
FASE:		
PROJETO ESTRUTURAL		
CONFERIR MEDIDAS NA OBRA		
OBRA:		
BIBLIOTECA		
CAMPUS UNAI		
PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES		
DO JEQUITINHONHA E MUCURI		
CNPJ: 16.888.315/0001-57		
FRANQUIA:		
FERRAGEM DAS VIGAS:		
BALDRAMES (2)		
AUTOR PROJETO:		
CARLOS HENRIQUE DE SOUZA GONÇALVES		
CREA 798220 - Pr.		
ESCALA: INDICADA		
DESENHO:		
EQUIPE:		
VERSÃO:	DATA:	ÁREA CONSTRUIDA:
VERSÃO: 1	17/07/2013	4.127,32 m²
ARQUIVO:		FOLHA: EST
		08/26