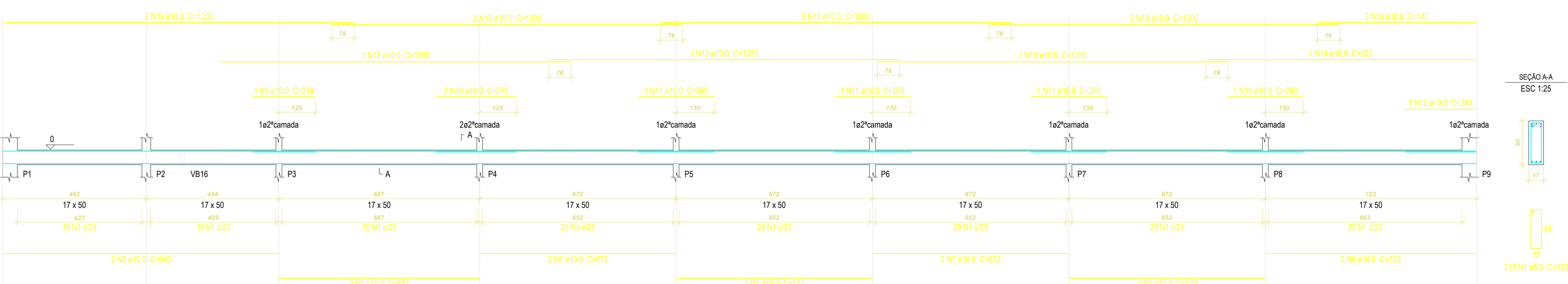


VB1 (17 x 50)



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	403	126	50778
	2	5.0	188	100	18800
	3	5.0	6	106	636
	4	8.0	1	126	126
CA50	5	10.0	2	943	1886
	6	10.0	3	687	2061
	7	10.0	8	672	5376
	8	10.0	2	720	1440
	9	10.0	1	215	215
	10	10.0	2	275	550
	11	10.0	4	260	1040
	12	10.0	1	243	243
	13	10.0	11	1200	13200
	14	10.0	1	923	923
	15	10.0	2	542	1084
	16	10.0	2	353	706
	17	10.0	2	386	772
	18	10.0	1	310	310
	19	10.0	2	617	1234
	20	10.0	3	288	864
	21	10.0	2	635	1270
	22	10.0	2	347	694
	23	10.0	2	365	730
	24	10.0	1	369	369
	25	10.0	2	332	664
	26	10.0	3	545	1635
	27	10.0	2	972	1944
	28	10.0	2	245	490
	29	10.0	2	295	590
	30	10.0	10	955	9550
	31	10.0	10	965	9650
	32	10.0	2	525	1050
	33	10.0	2	543	1086
	34	10.0	2	160	320
	35	10.0	2	175	350
	36	10.0	1	230	230
	37	10.0	2	1069	2138
	38	10.0	1	600	600
	39	10.0	2	1092	2184
	40	10.0	2	197	394
	41	10.0	2	209	418

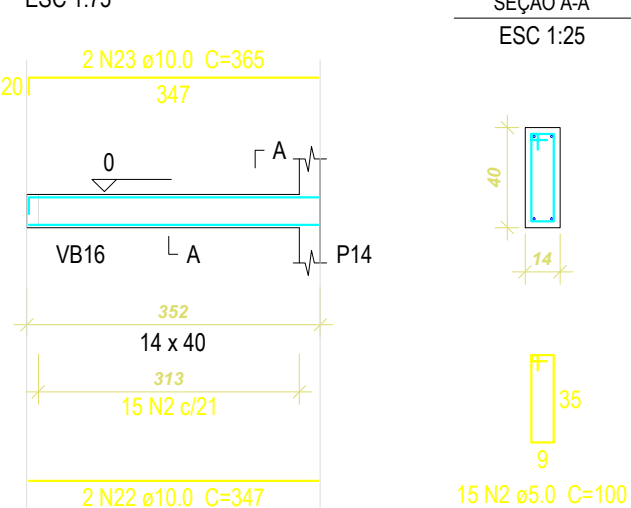
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	1.3	0.5
CA60	10.0	694.6	428.2
CA60	5.0	702.2	108.2
PESO TOTAL (kg)			
CA50		428.7	
CA60		108.2	

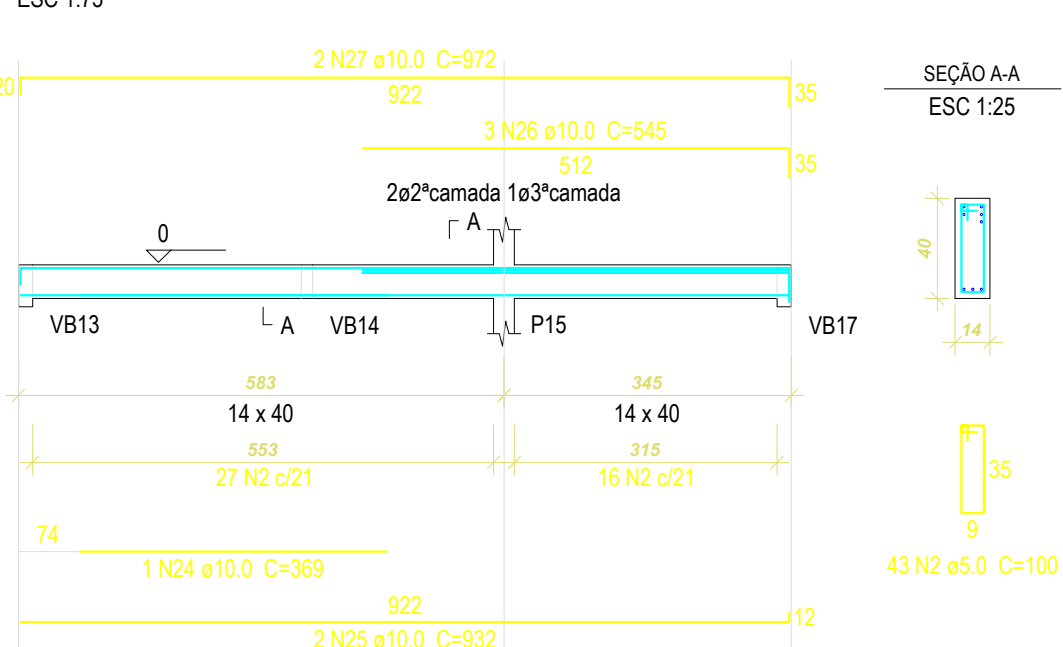
Volume de concreto (C-25) = 10.87 m³
Área de forma = 156.82 m²

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB14
VB15	VB16	VB18

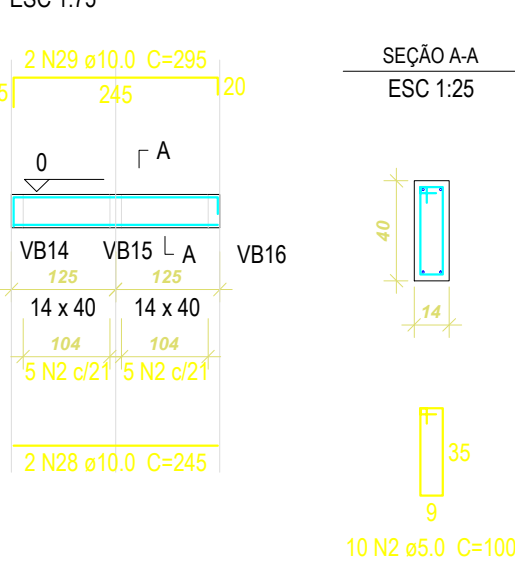
VB4 (14 x 40)



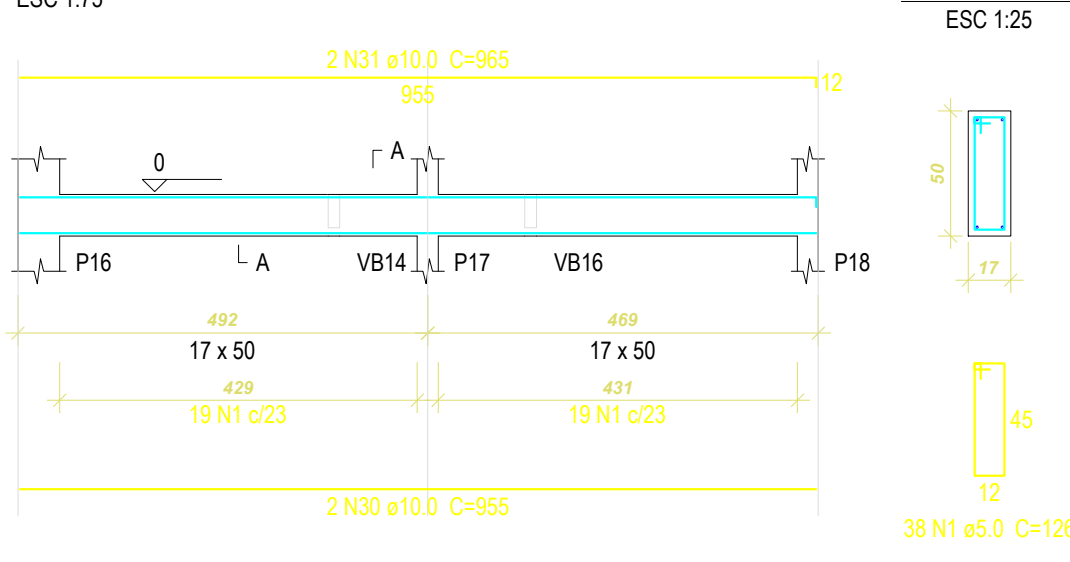
VB5 (14 x 40)



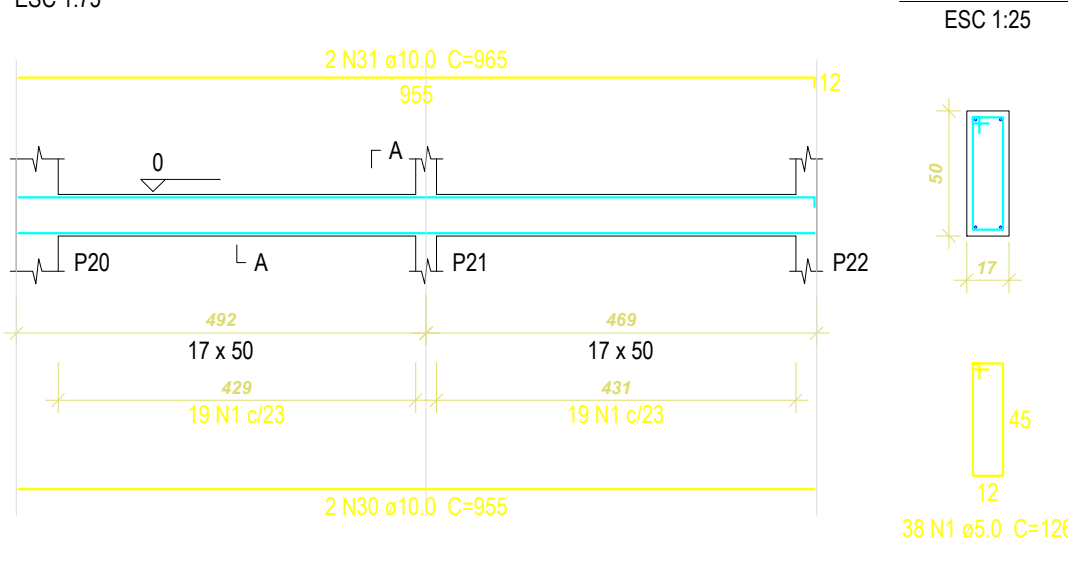
VB6 (14 x 40)



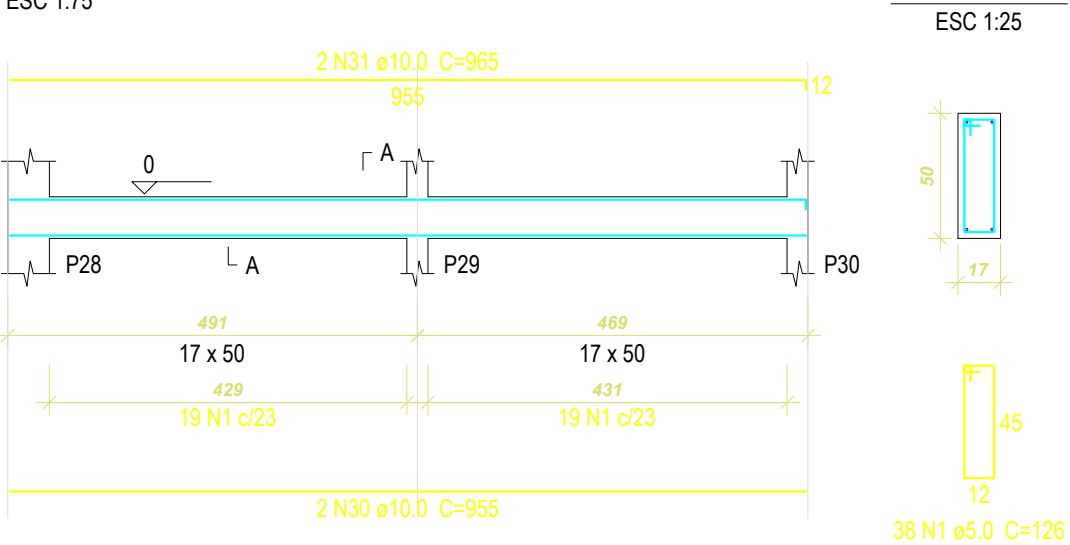
VB7 (17 x 50)



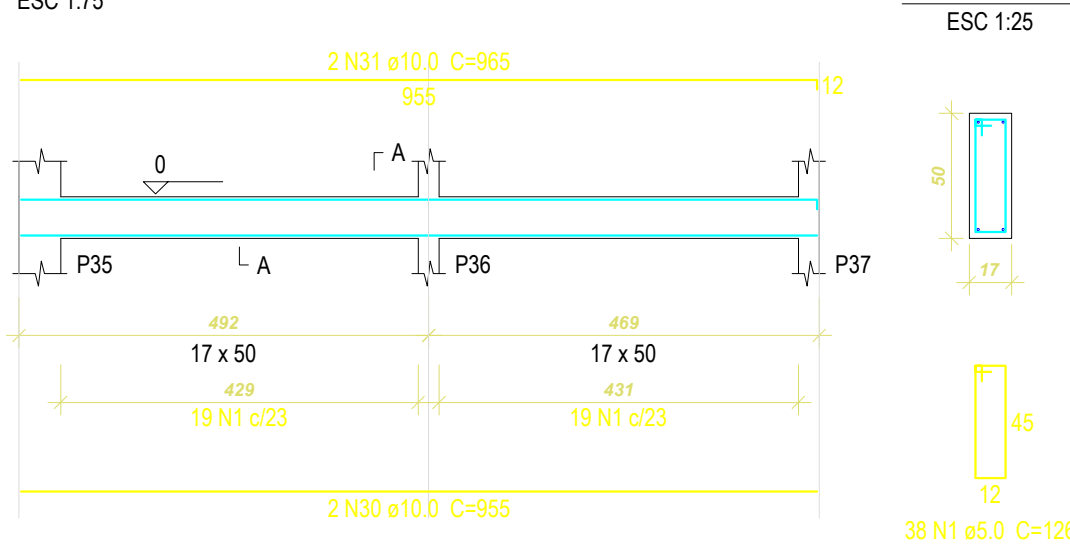
VB8 (17 x 50)



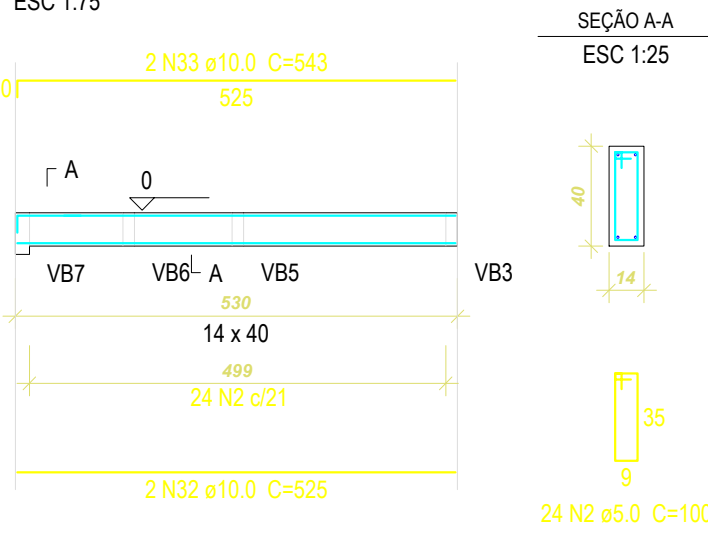
VB10 (17 x 50)



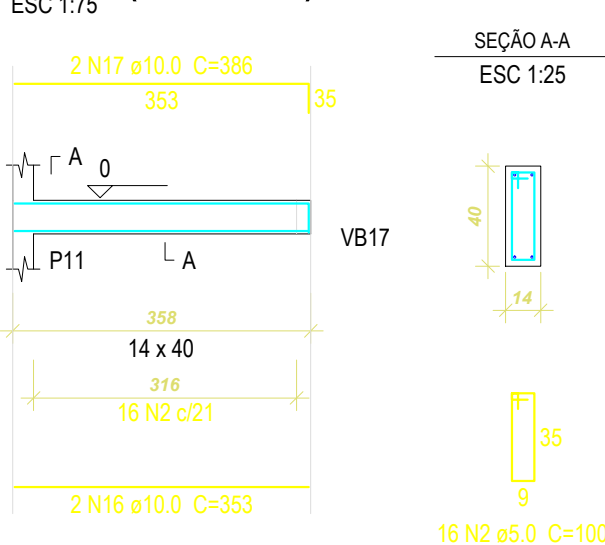
VB11 (17 x 50)



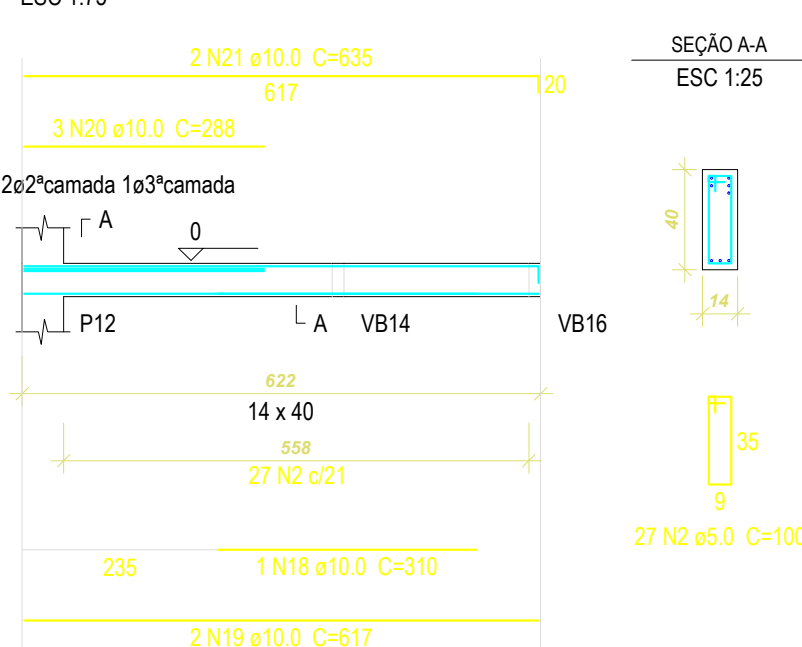
VB14 (14 x 40)



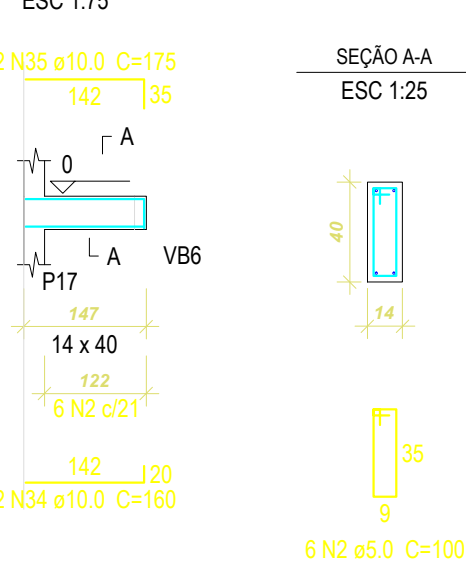
VB2 (14 x 40)



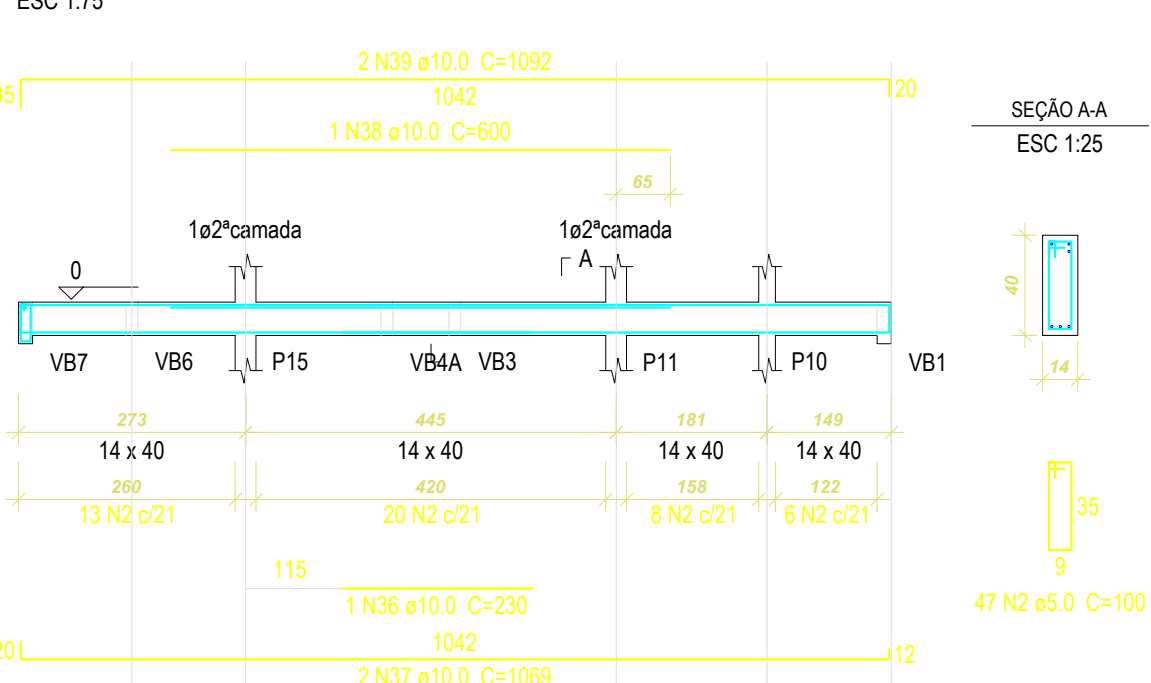
VB3 (14 x 40)



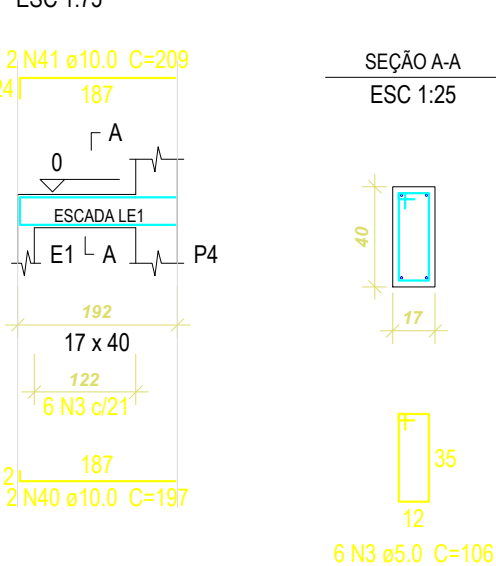
VB15 (14 x 40)



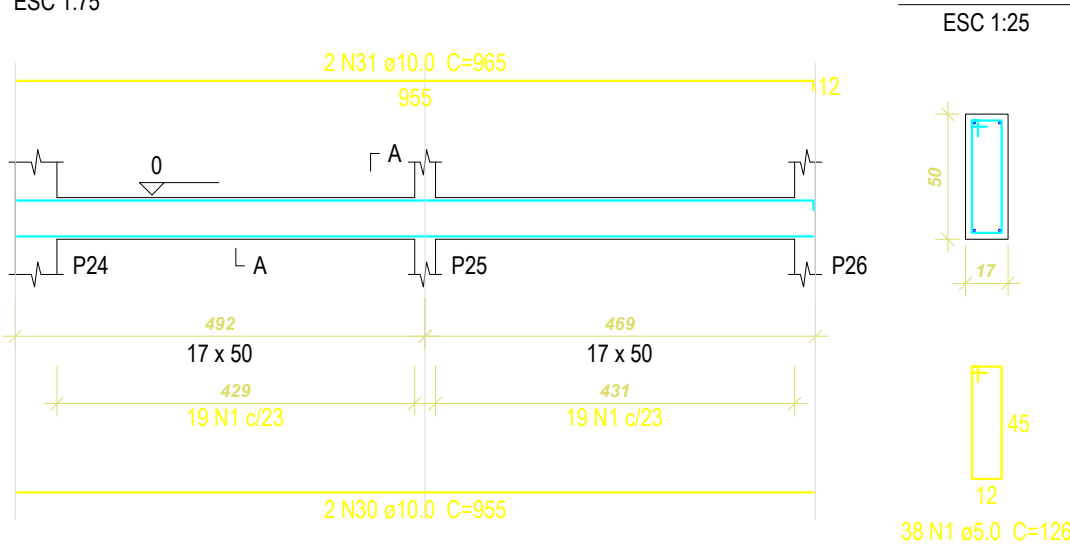
VB16 (14 x 40)



VB18 (17 x 40)



VB9 (17 x 50)



01	26.09.2013		PROJETO ESTRUTURAL
02		RESPONSÁVEL	DESCRIÇÃO DA REVISÃO
 AS BUILT ENGINEHARIA DE PROJETOS LTDA Rua João do Rosário, 1564 - Boa Vista CEP 82560-435 - Curitiba - Paraná asbultprojetos@gmail.com - (41)3088-4949			
FASE: PROJETO ESTRUTURAL			
CONFERIR MEDIDAS NA OBRA			
OBRA:			
HANGAR DA UFVJM AEROPORTO JK / DIAMANTINA			
PROPRIETÁRIO:		UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI	
CNPJ:		16.886.315/0001-57	
PRANCHETA: FERRAGEM DAS VIGAS: BALDRAMES (I)			
AUTOR PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES CREA 7992/D - Pr			
DETALHAMENTO/OBSERVAÇÕES:		ESCALA: INDICADA	
DESENHO: EQUIPE			
VERSÃO:	DATA:	ÁREA CONSTRUIDA:	FOLHA: EST 04/20
VERSÃO 1	26/09/2013		
ARQUIVO:			