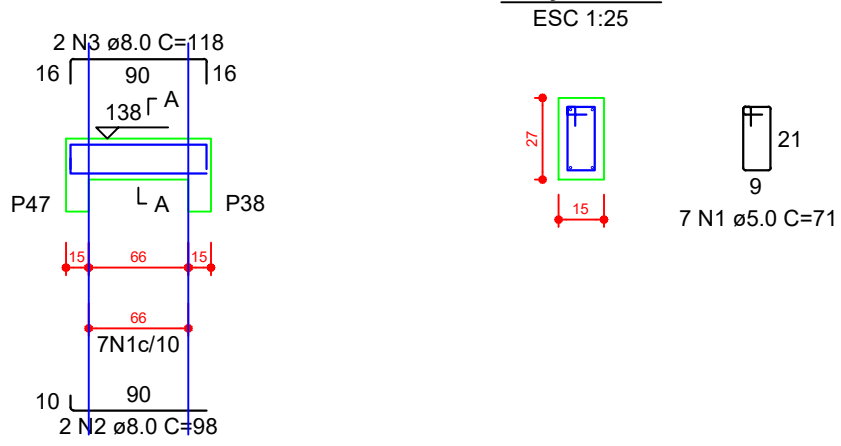
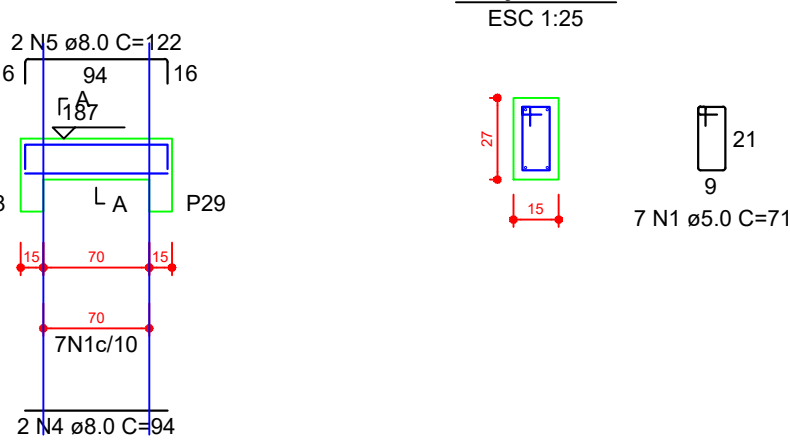


VIGAS DA CIRCULAÇÃO 1
ESCALA1:50 E 1:25

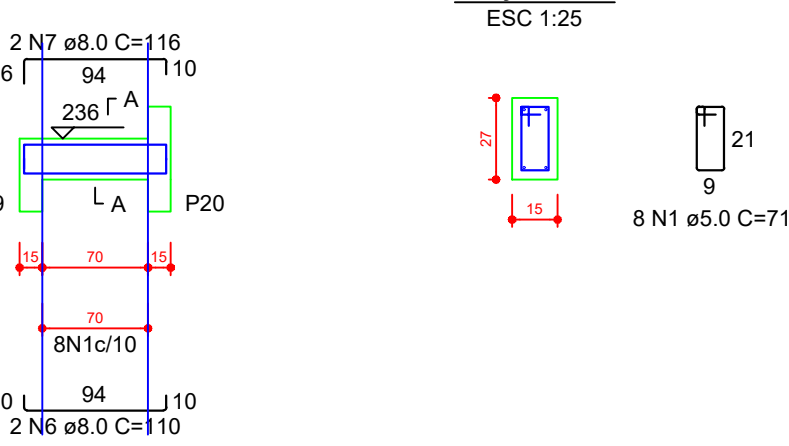
VPA16 (15 x 27)



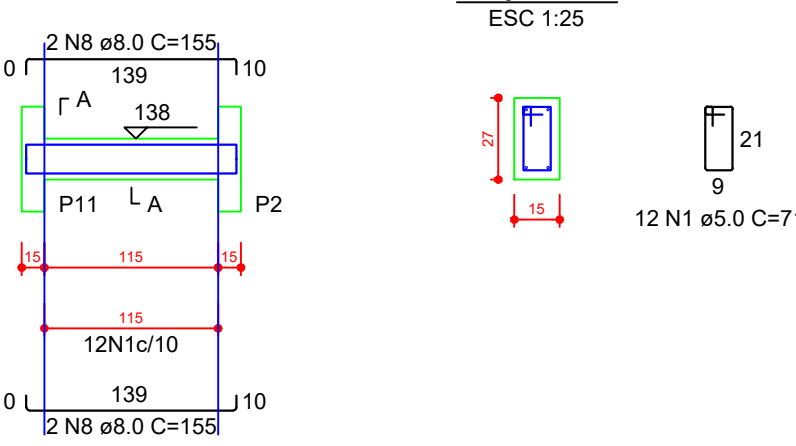
VPA17 (15 x 27)



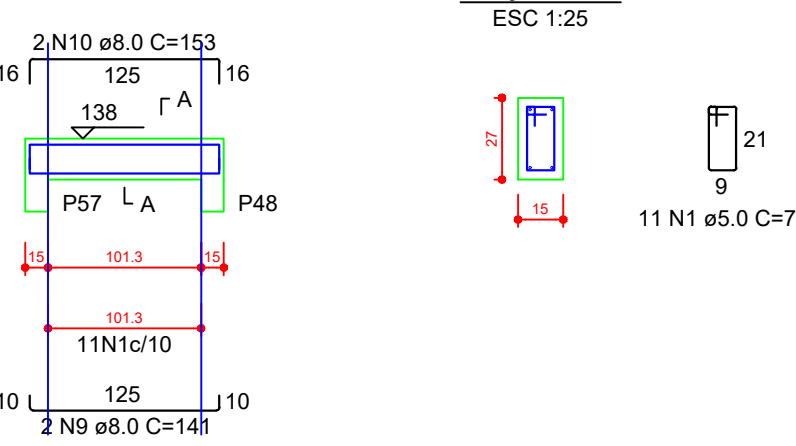
VPA18 (15 x 27)



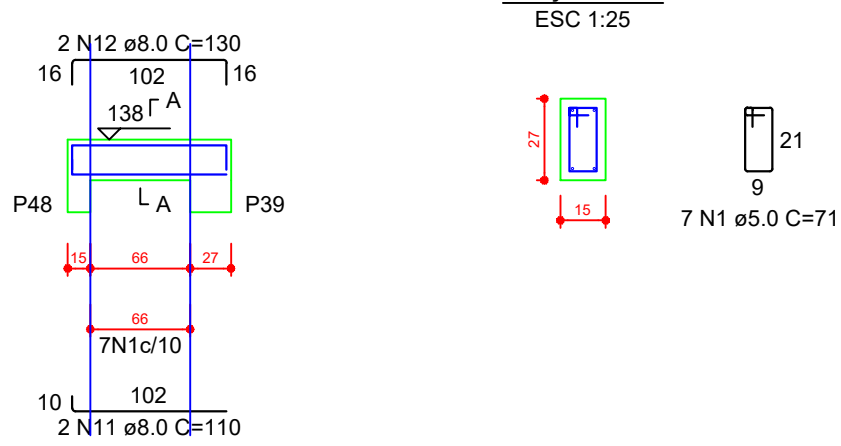
VPA19 (15 x 27)



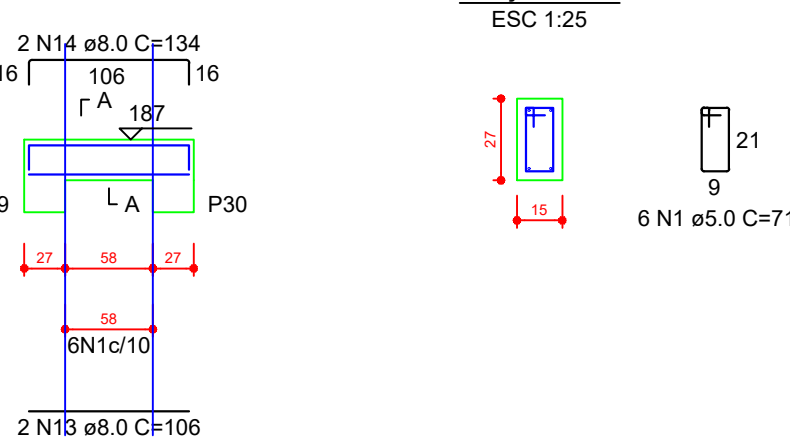
VPA20 (15 x 27)



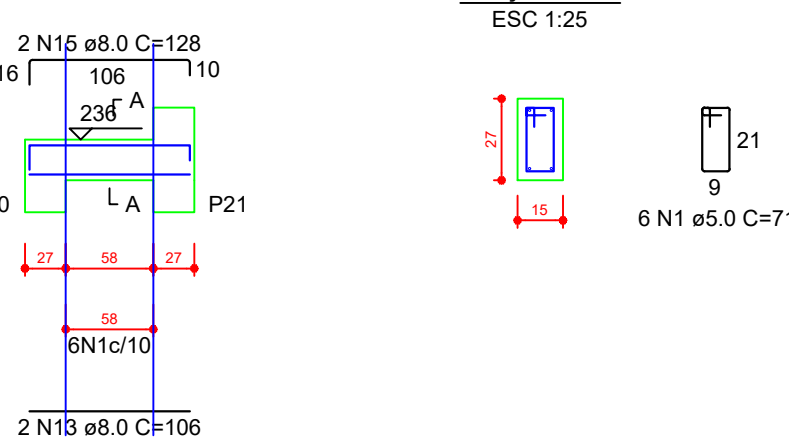
VPA21 (15 x 27)



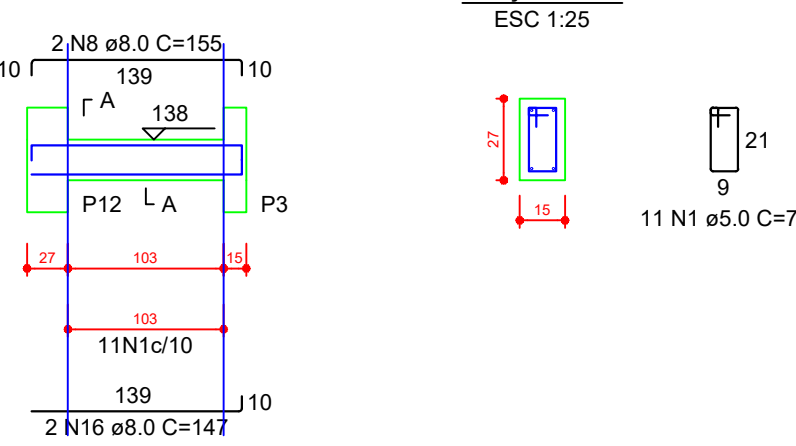
VPA22 (15 x 27)



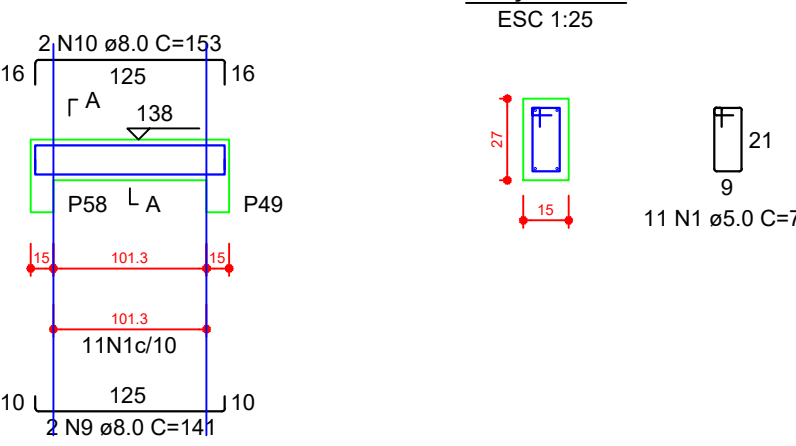
VPA23 (15 x 27)



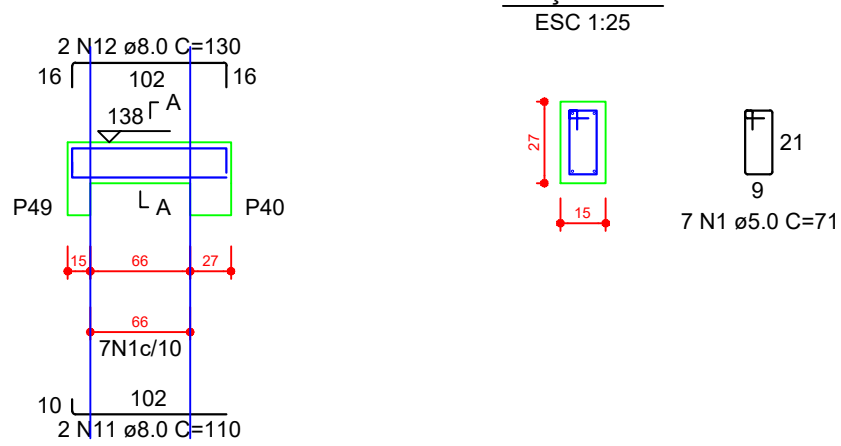
VPA24 (15 x 27)



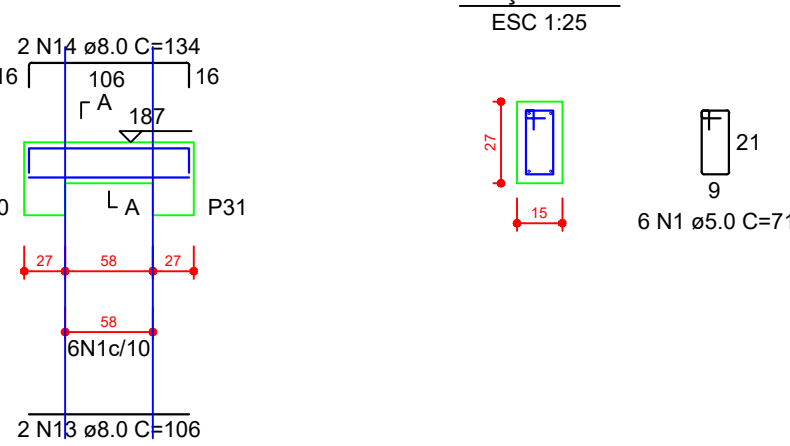
VPA25 (15 x 27)



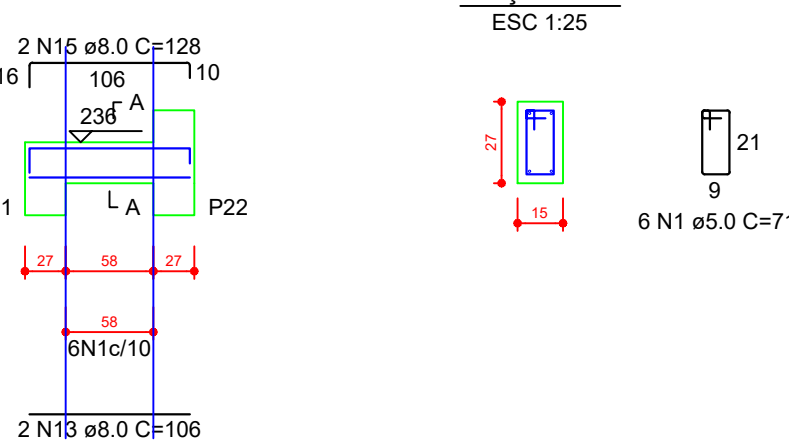
VPA26 (15 x 27)



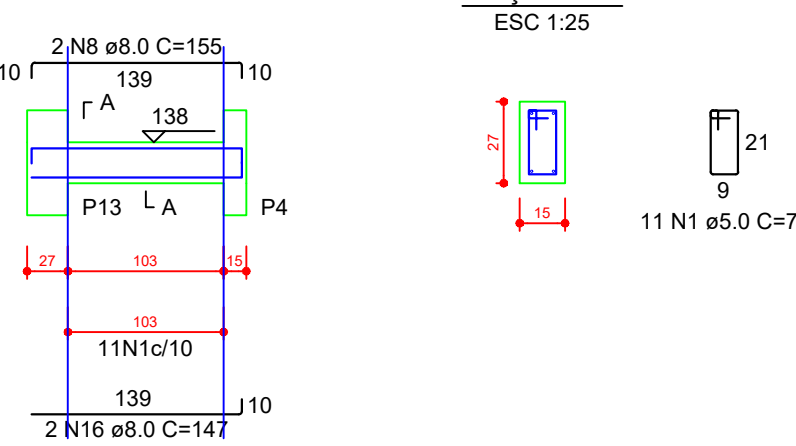
VPA27 (15 x 27)



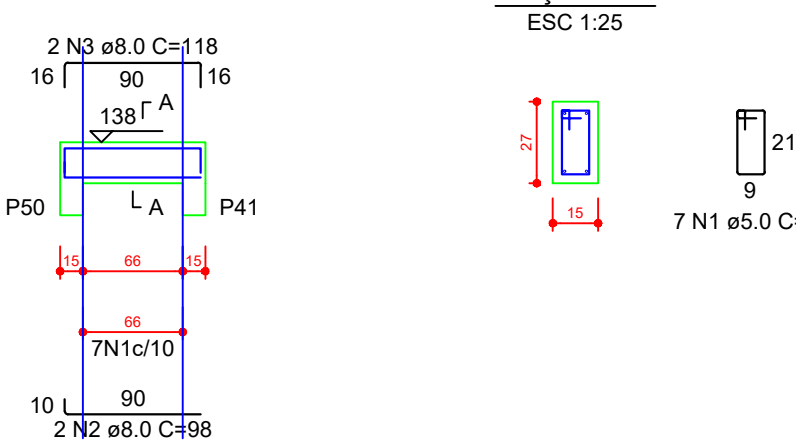
VPA28 (15 x 27)



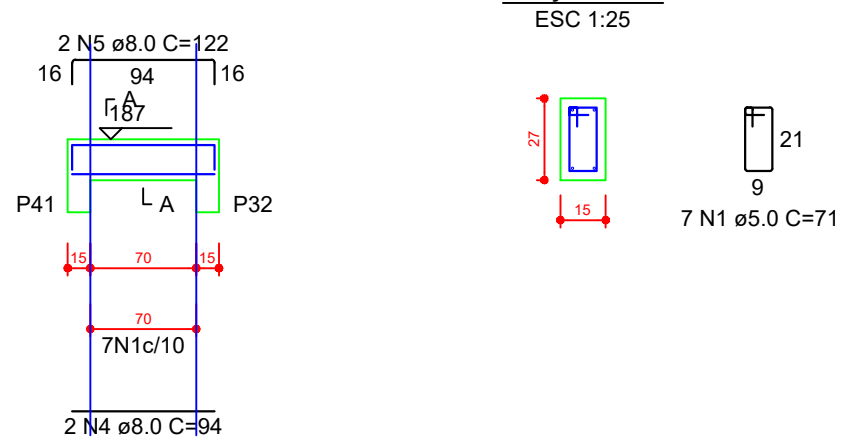
VPA29 (15 x 27)



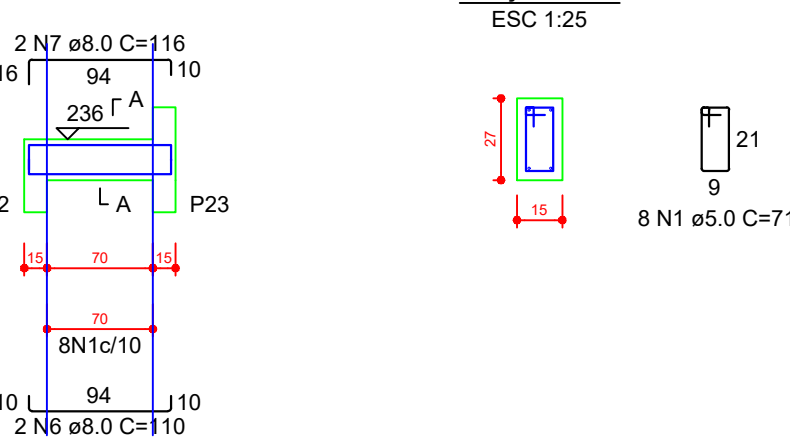
VPA30 (15 x 27)



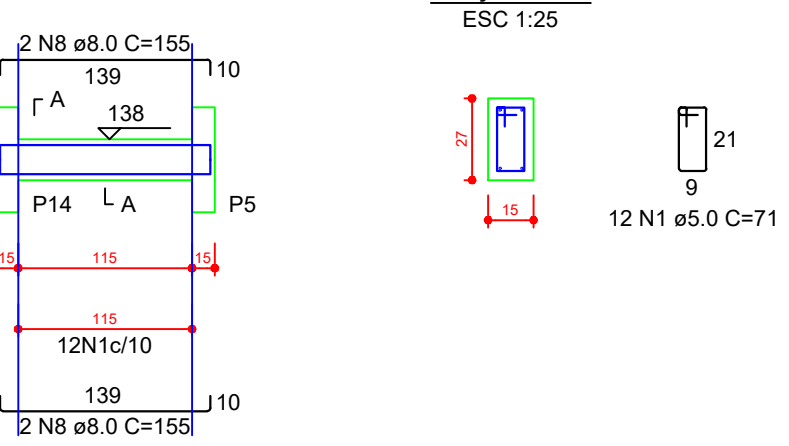
VPA31 (15 x 27)



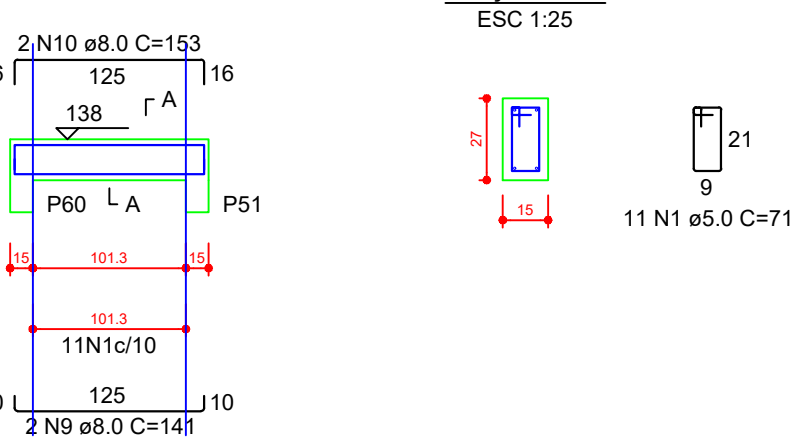
VPA32 (15 x 27)



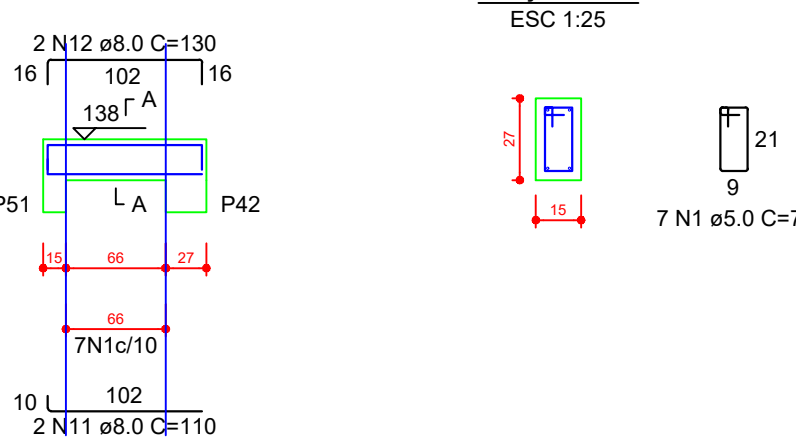
VPA33 (15 x 27)



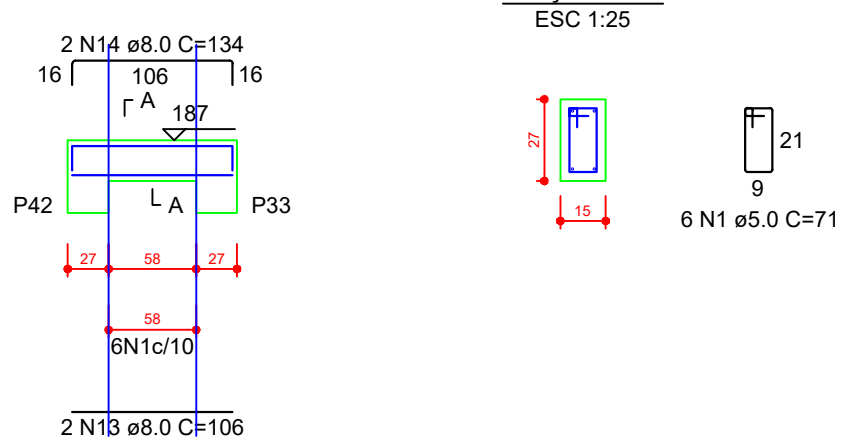
VPA34 (15 x 27)



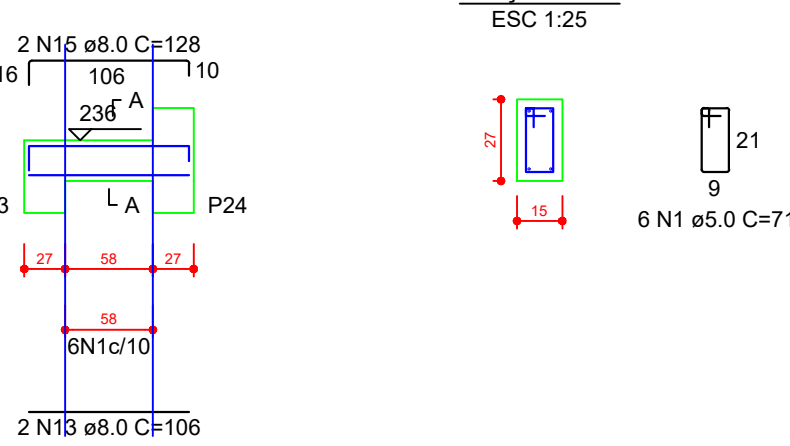
VPA35 (15 x 27)



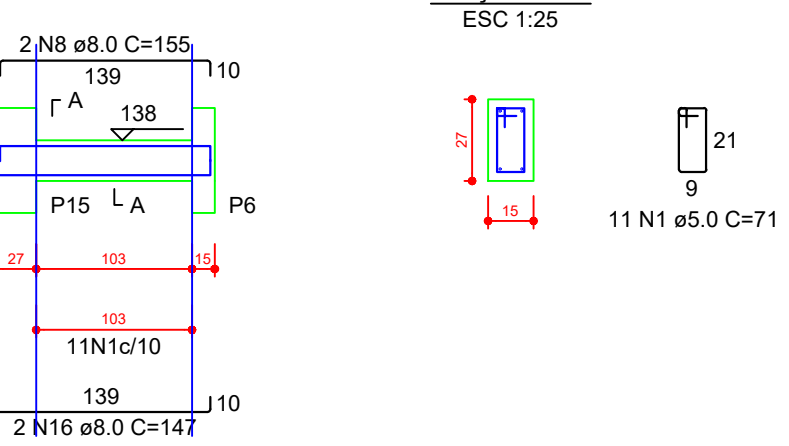
VPA36 (15 x 27)



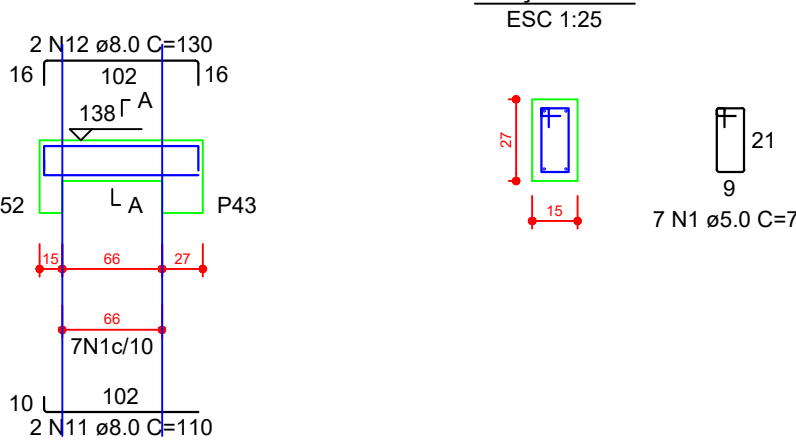
VPA37 (15 x 27)



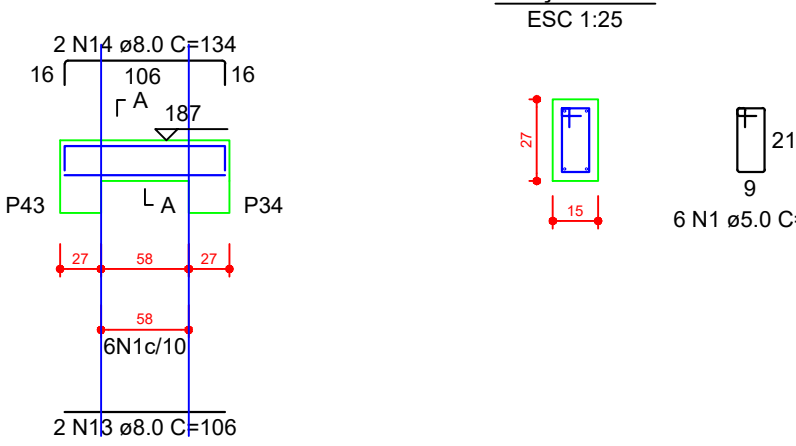
VPA38 (15 x 27)



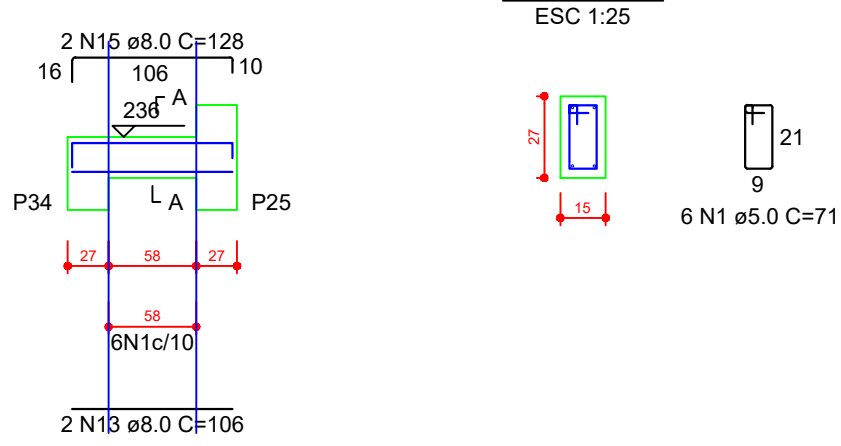
VPA39 (15 x 27)



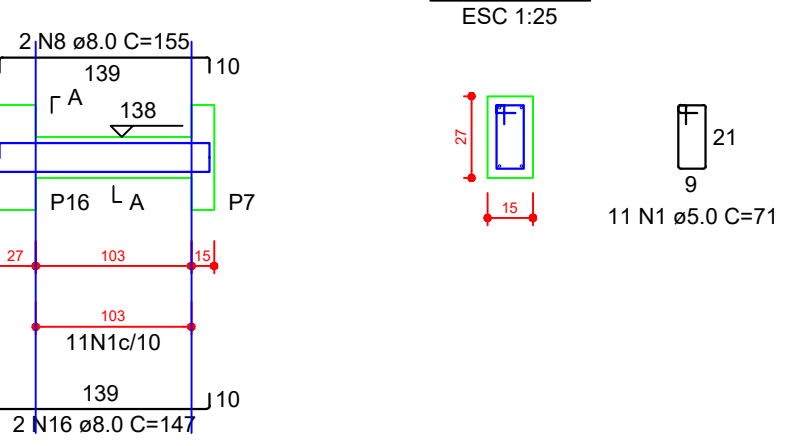
VPA40 (15 x 27)



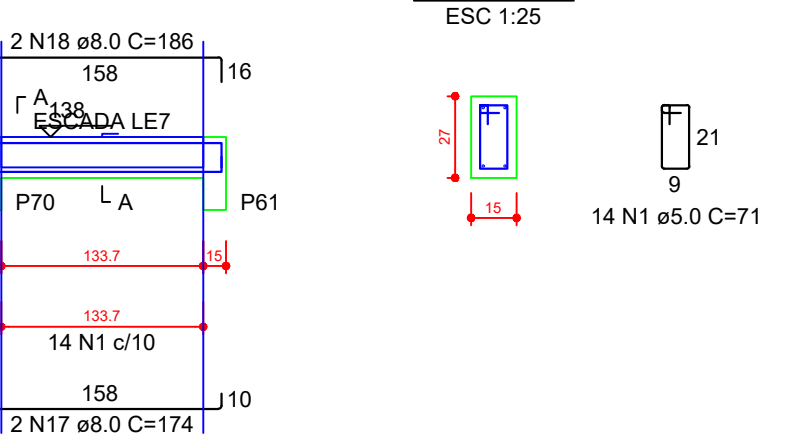
VPA41 (15 x 27)



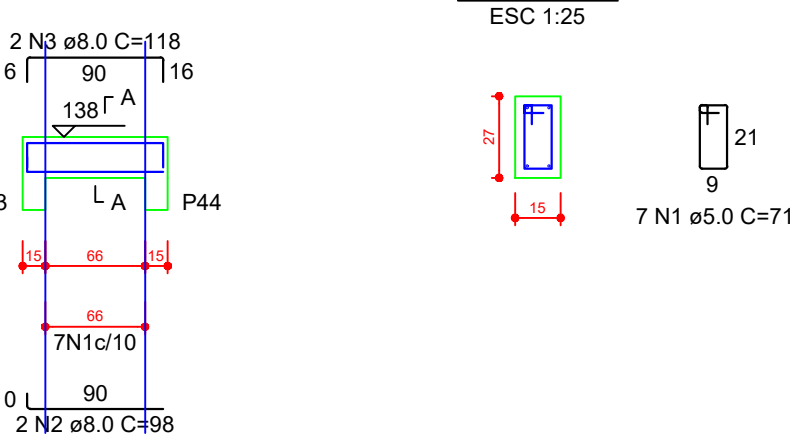
VPA42 (15 x 27)



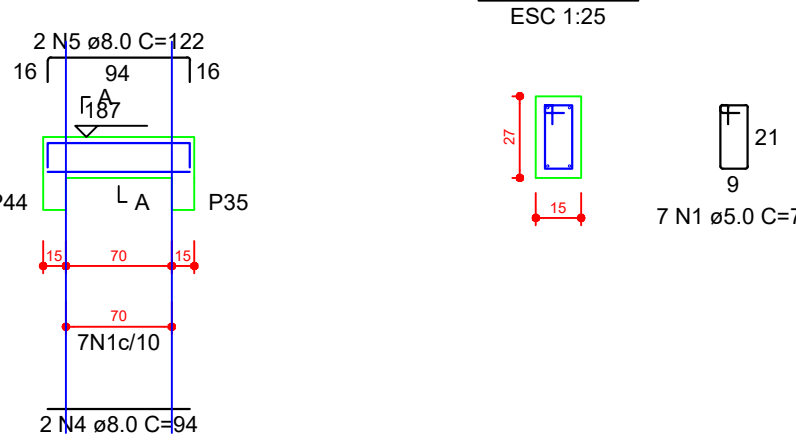
VPA43 (15 x 27)



VPA44 (15 x 27)



VPA45 (15 x 27)



RELAÇÃO DO AÇO

VPA16	VPA17	VPA18
VPA19	VPA20	VPA21
VPA22	VPA23	VPA24
VPA25	VPA26	VPA27
VPA28	VPA29	VPA30
VPA31	VPA32	VPA33
VPA34	VPA35	VPA36
VPA37	VPA38	VPA39
VPA40	VPA41	VPA42
VPA43	VPA44	VPA45

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	249	71	17679
CA50	2	8.0	6	98	588
	3	8.0	6	118	708
	4	8.0	6	94	564
	5	8.0	6	122	732
	6	8.0	4	110	440
	7	8.0	4	116	464
	8	8.0	16	155	2480
	9	8.0	6	141	846
	10	8.0	6	153	918
	11	8.0	8	110	880
	12	8.0	8	130	1040
	13	8.0	16	106	1696
	14	8.0	8	134	1072
	15	8.0	8	128	1024
	16	8.0	8	147	1176
	17	8.0	2	174	348
	18	8.0	2	186	372

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	153.5	66.6
CA60	5.0	176.8	30

PESO TOTAL (kg)	
CA50	66.6
CA60	30

Volume de concreto (C-30) = 0.95 m³
Área de forma = 12.39 m²

PROJETO

PROJETO ESTRUTURAL - ARQUIBANCADA 1	
CABINES DE NARRAÇÃO, ARQUIBANCADA E BANCO DE RESERVA	
proprietário PREFEITURA MUNICIPAL DE RIO AZUL	prancha: 07/17
projeto e responsável técnico JÉSSICA ELAINE CUSTÓDIO	VIGAS CIRC. 1
desenho Maurício	engenharia civil - CREA-PR-166.458/D desenho Maurício