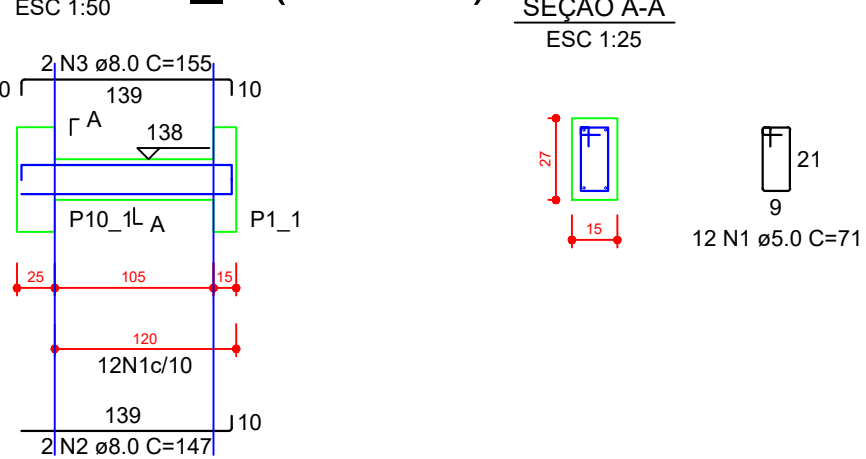
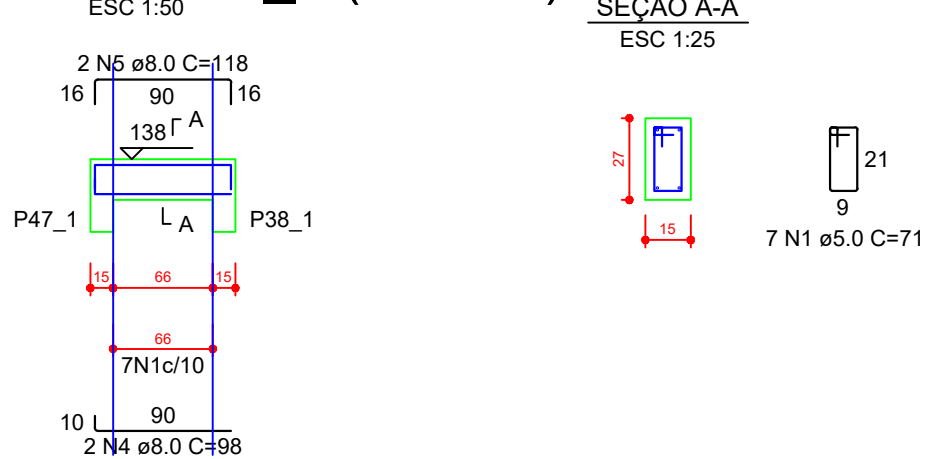


VIGAS DA CIRCULAÇÃO 1
ESCALA1:50 E 1:25

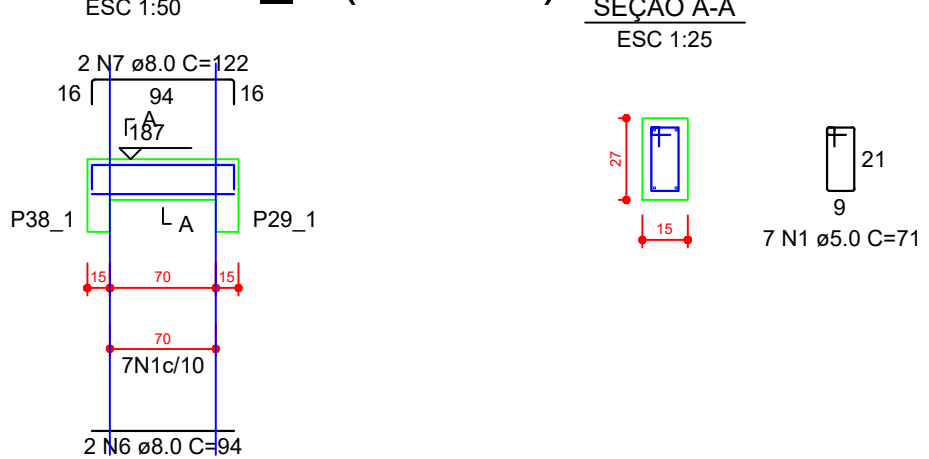
VPA15_1 (15 x 27)



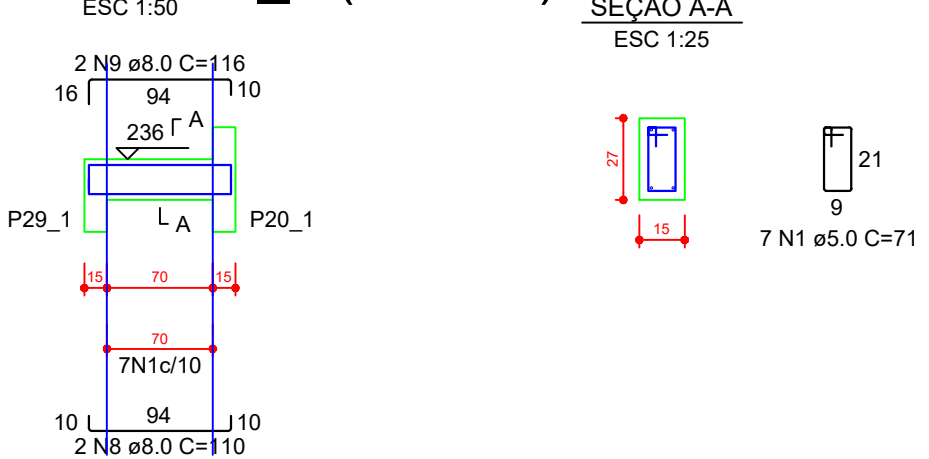
VPA16_1 (15 x 27)



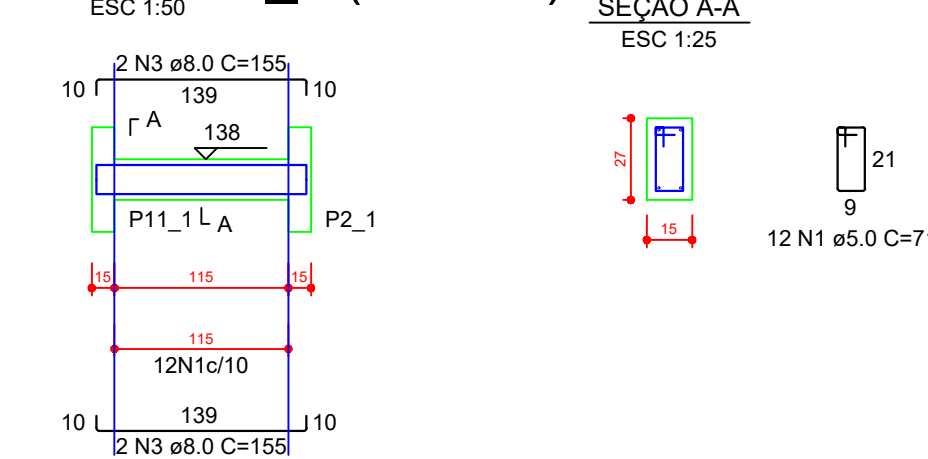
VPA17_1 (15 x 27)



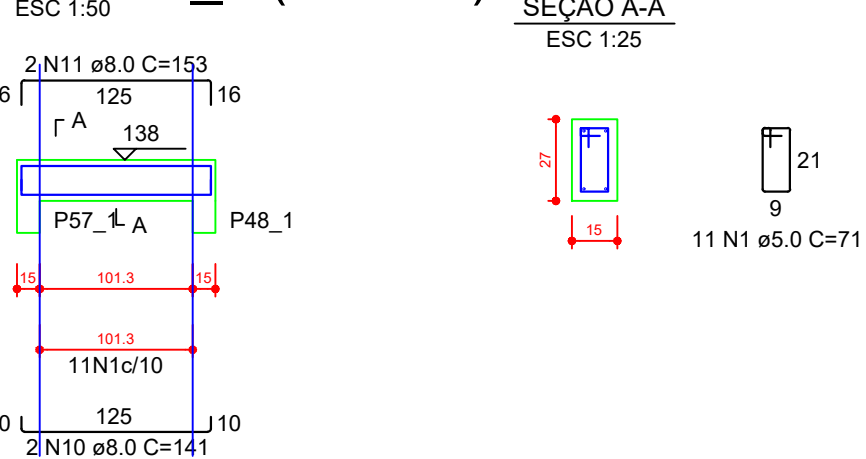
VPA18_1 (15 x 27)



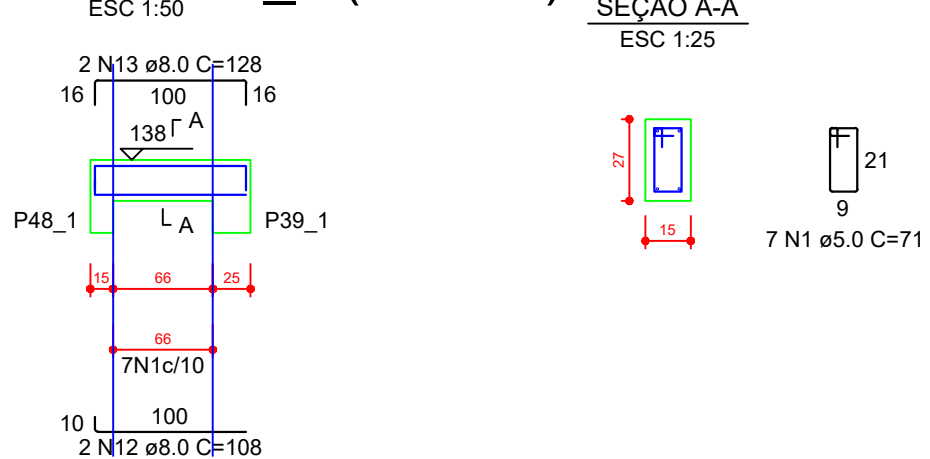
VPA19_1 (15 x 27)



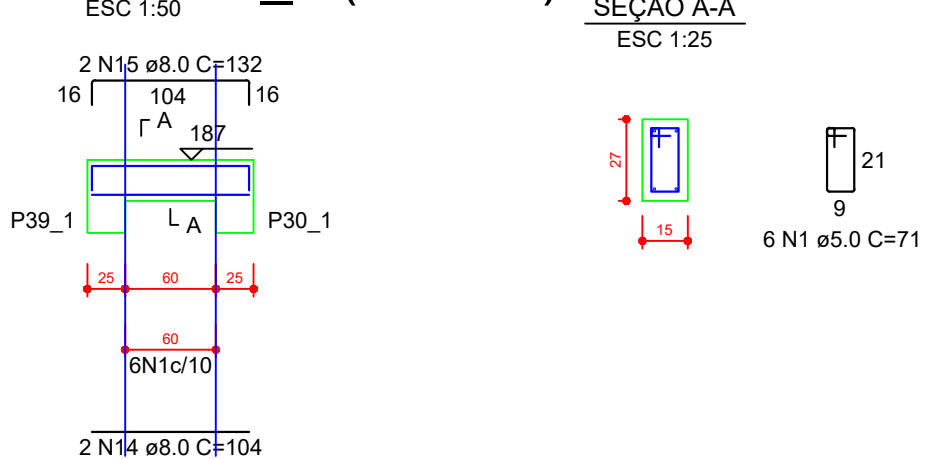
VPA20_1 (15 x 27)



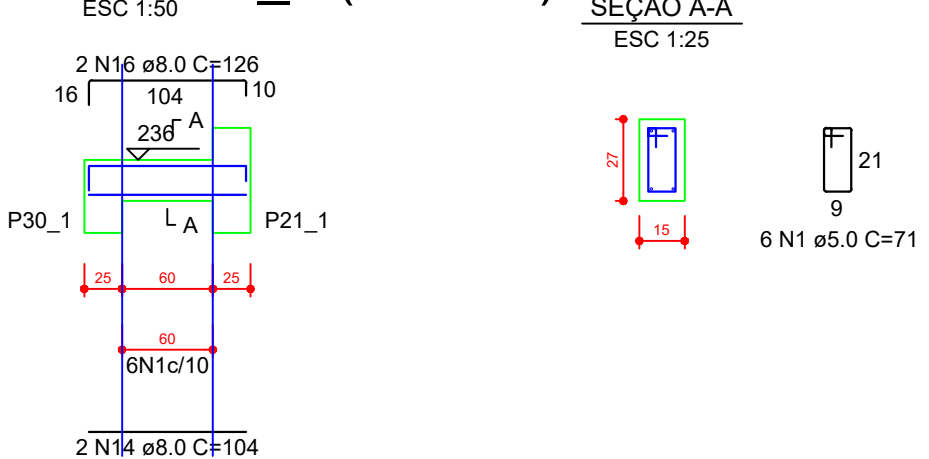
VPA21_1 (15 x 27)



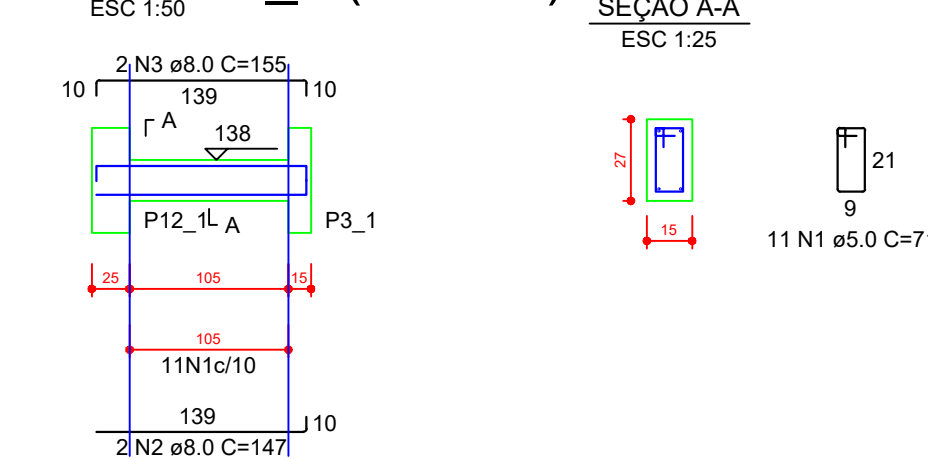
VPA22_1 (15 x 27)



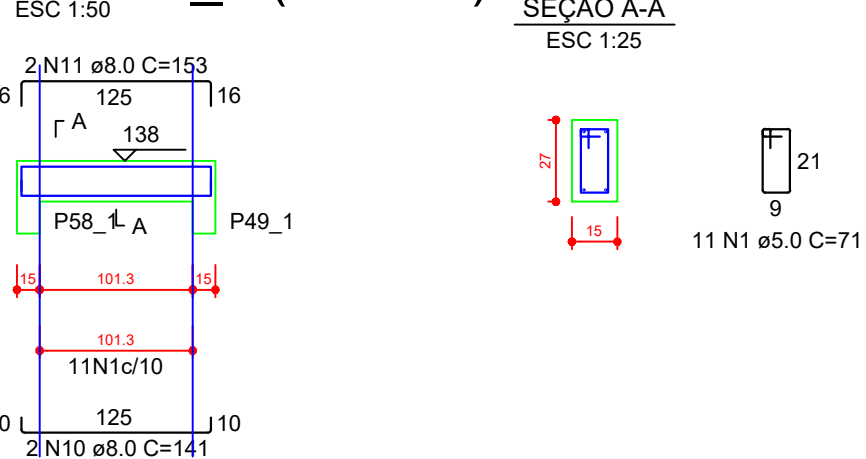
VPA23_1 (15 x 27)



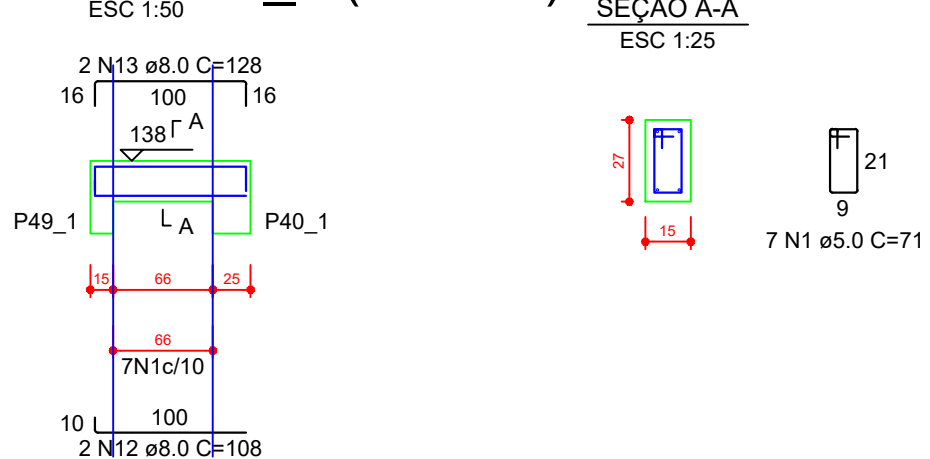
VPA24_1 (15 x 27)



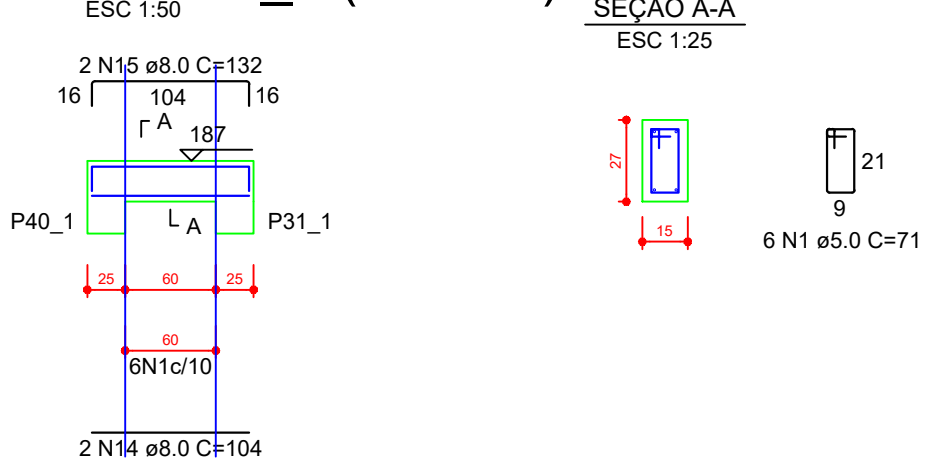
VPA25_1 (15 x 27)



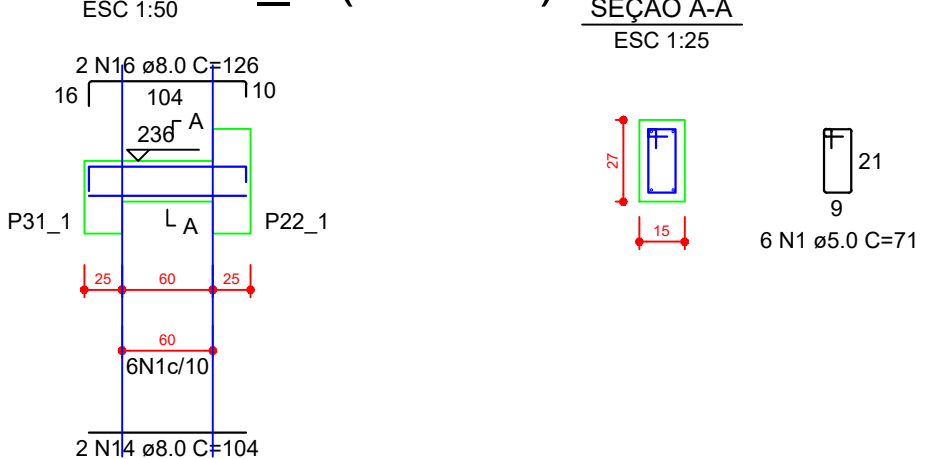
VPA26_1 (15 x 27)



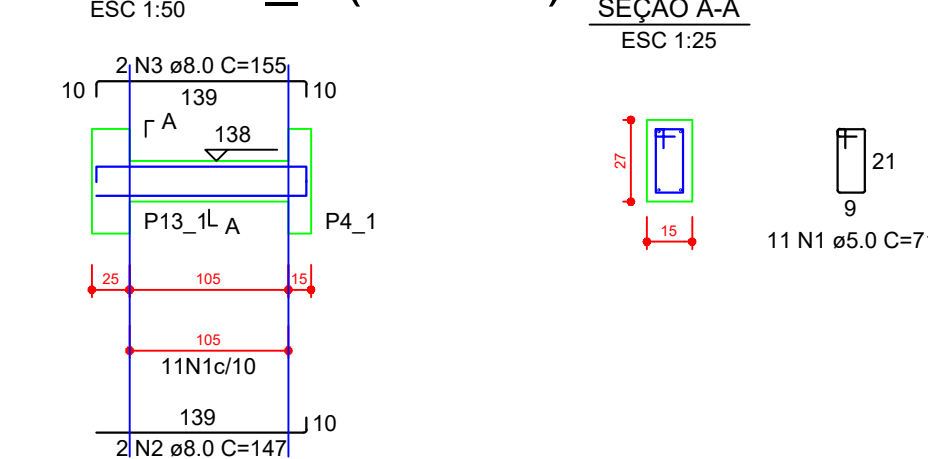
VPA27_1 (15 x 27)



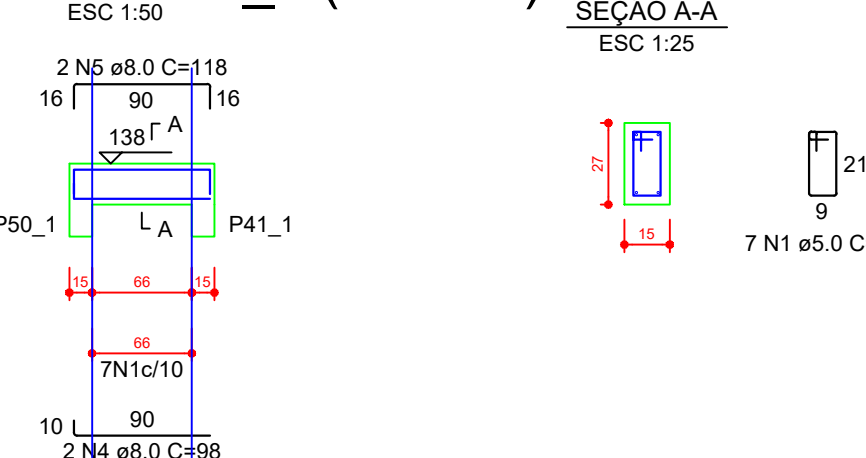
VPA28_1 (15 x 27)



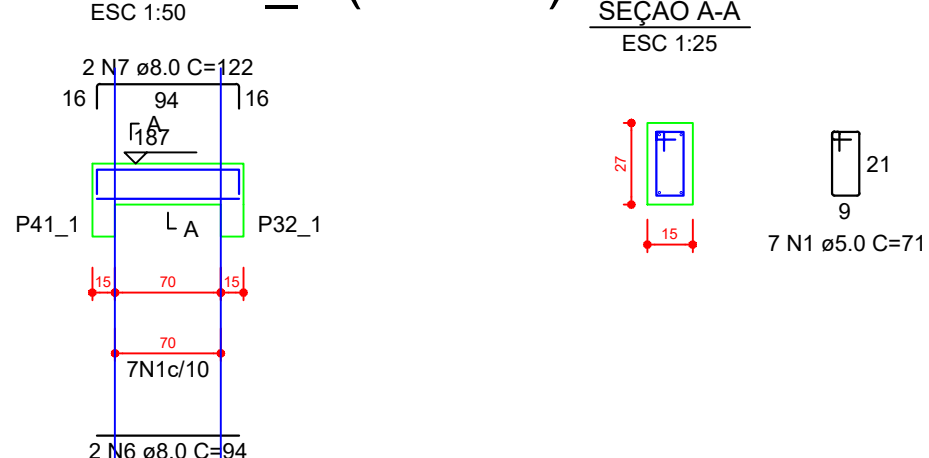
VPA29_1 (15 x 27)



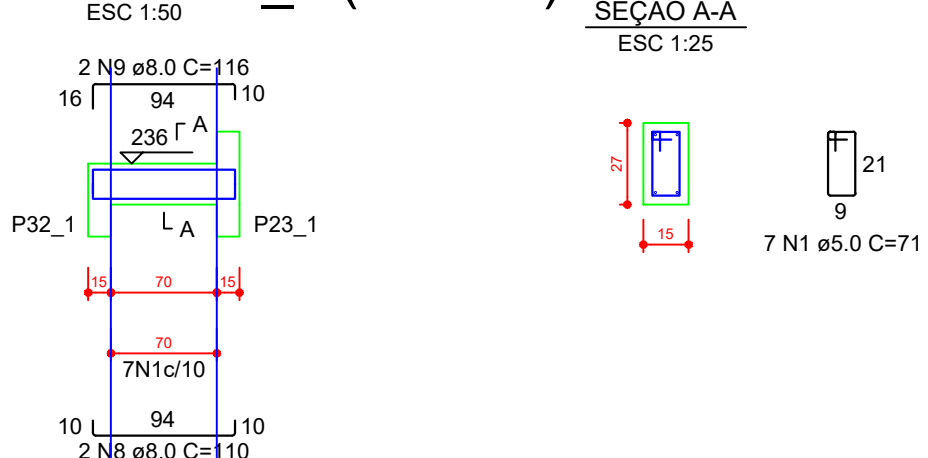
VPA30_1 (15 x 27)



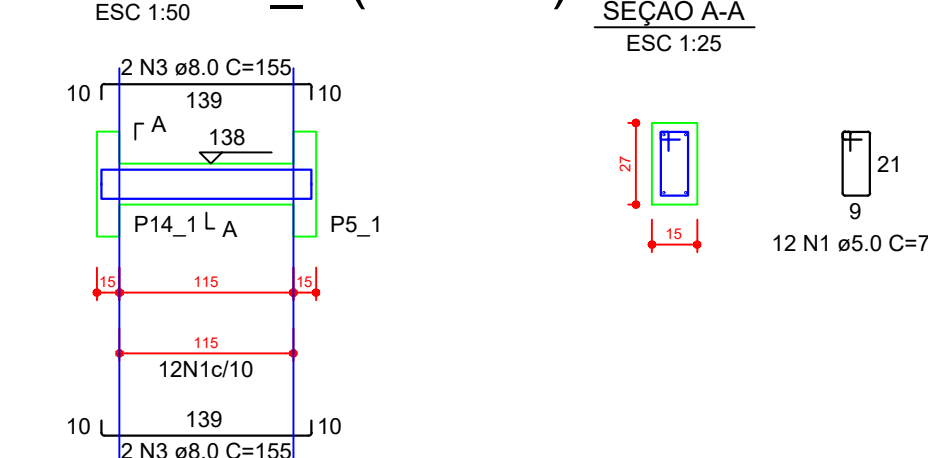
VPA31_1 (15 x 27)



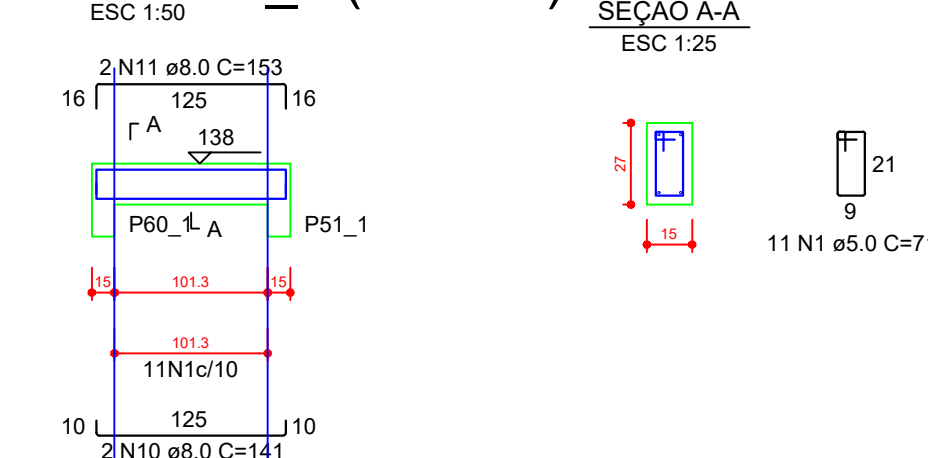
VPA32_1 (15 x 27)



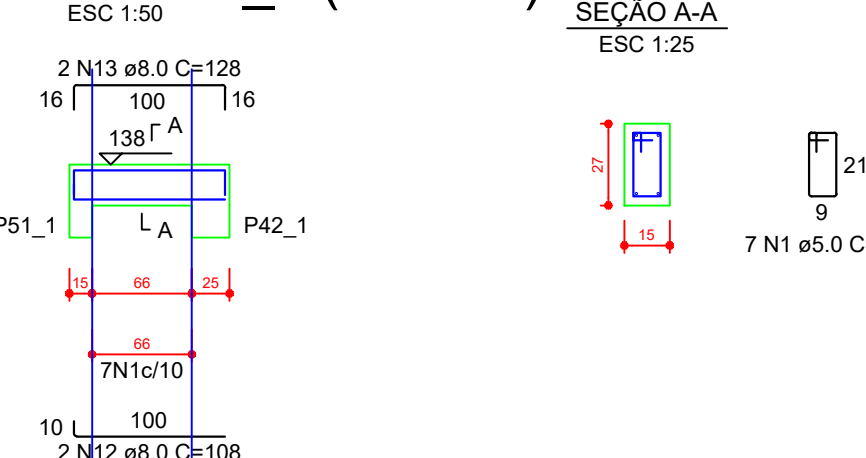
VPA33_1 (15 x 27)



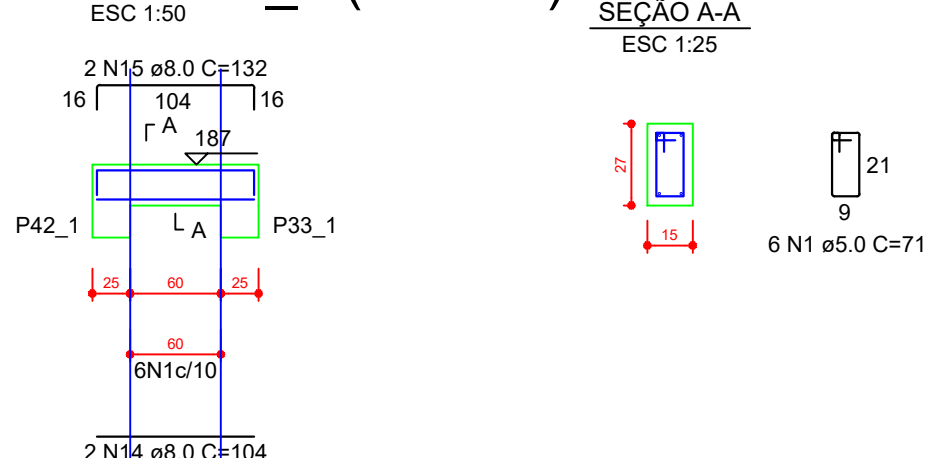
VPA34_1 (15 x 27)



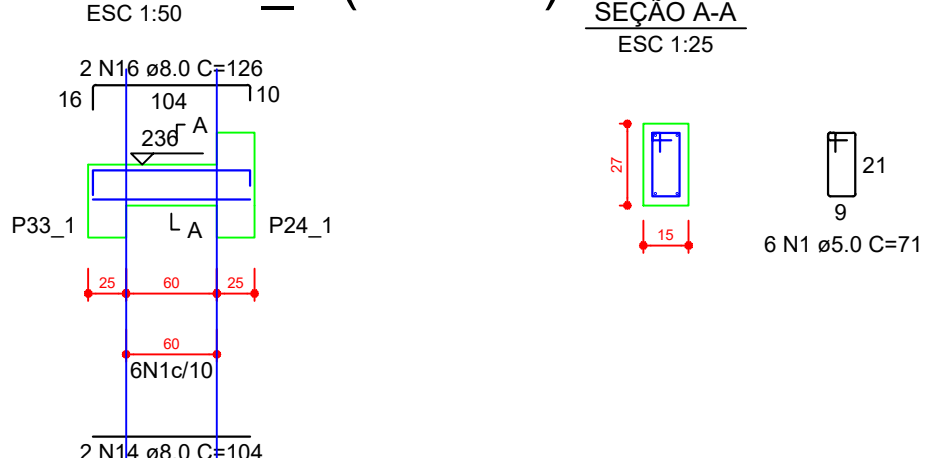
VPA35_1 (15 x 27)



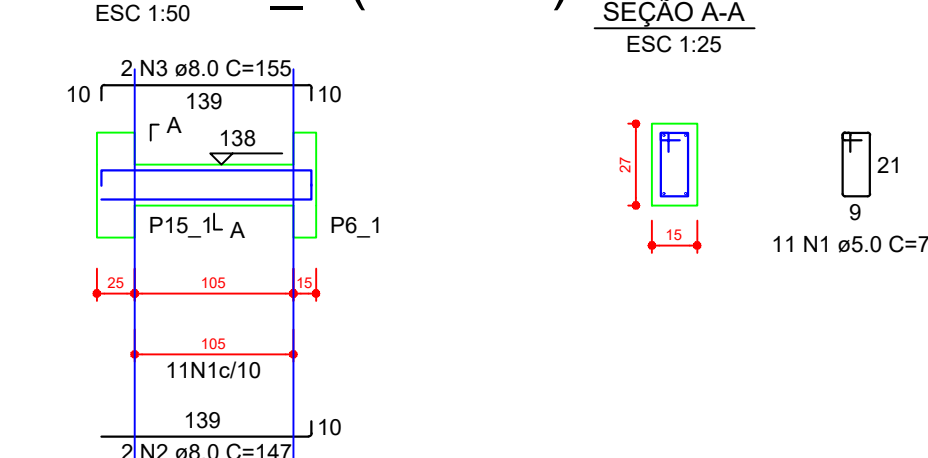
VPA36_1 (15 x 27)



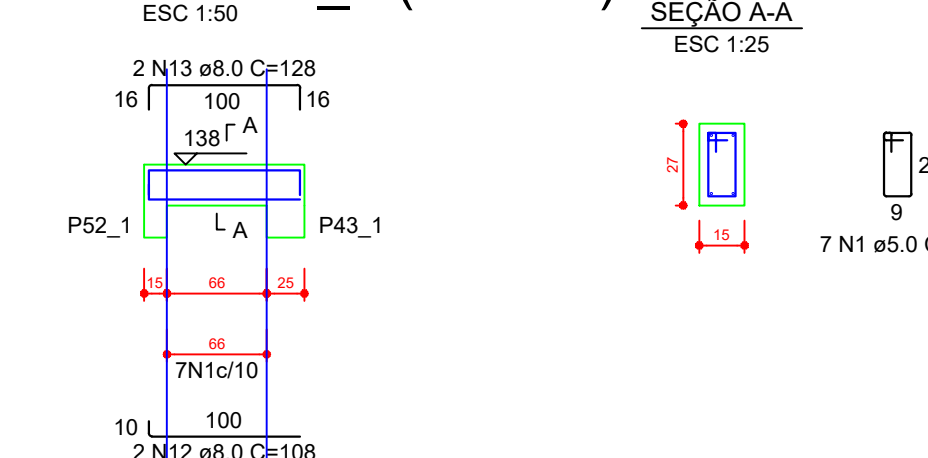
VPA37_1 (15 x 27)



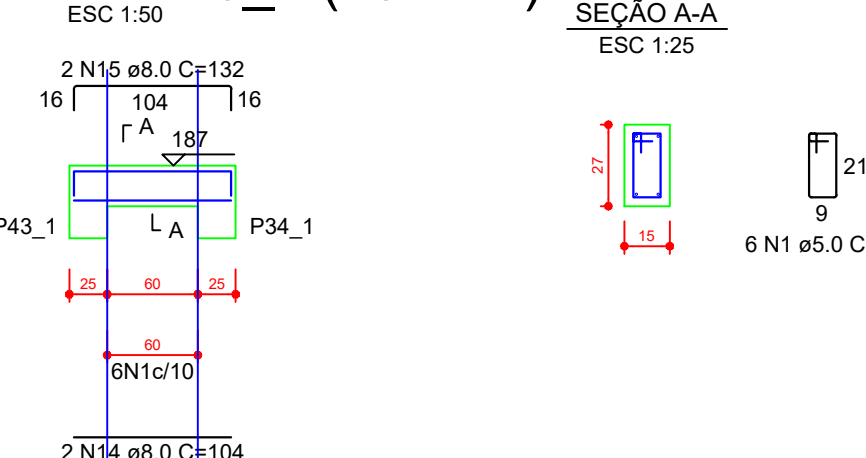
VPA38_1 (15 x 27)



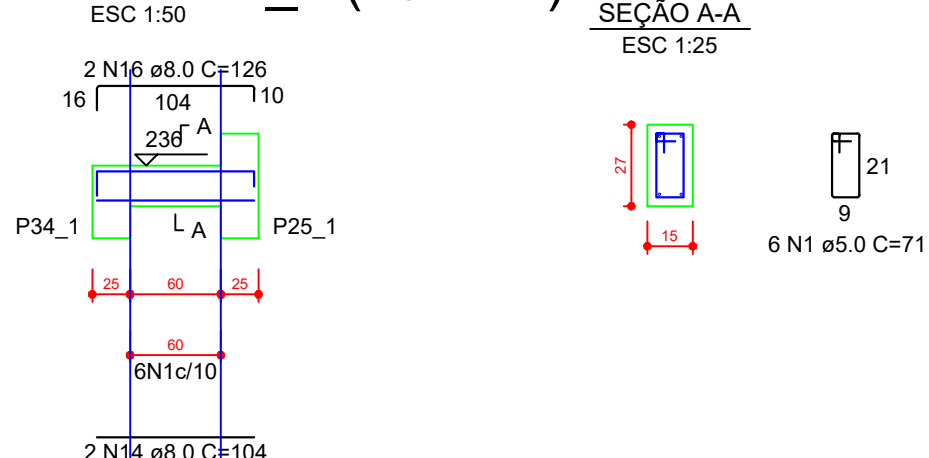
VPA39_1 (15 x 27)



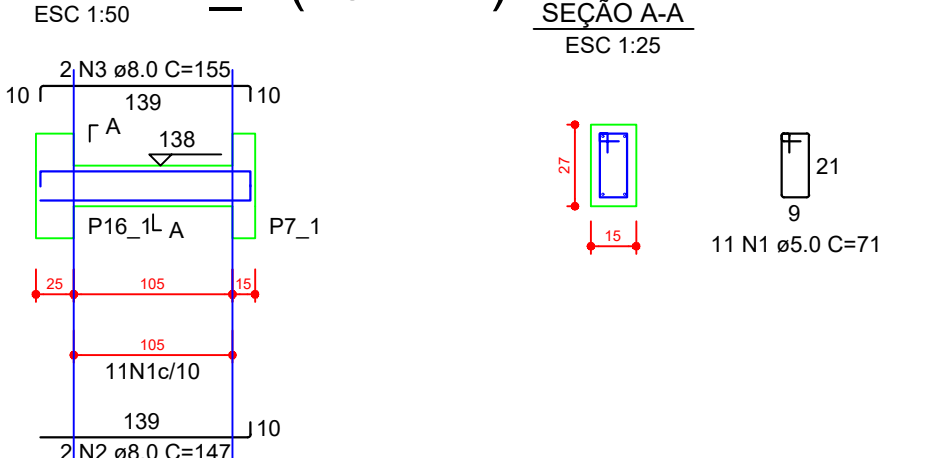
VPA40_1 (15 x 27)



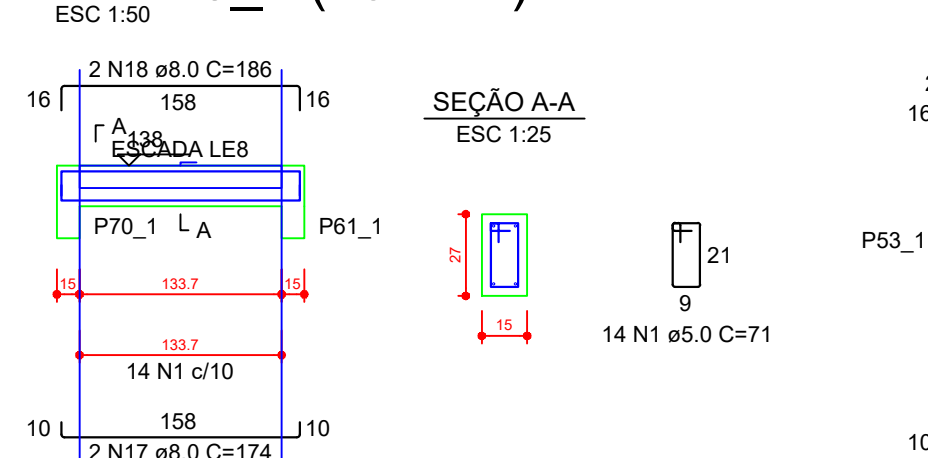
VPA41_1 (15 x 27)



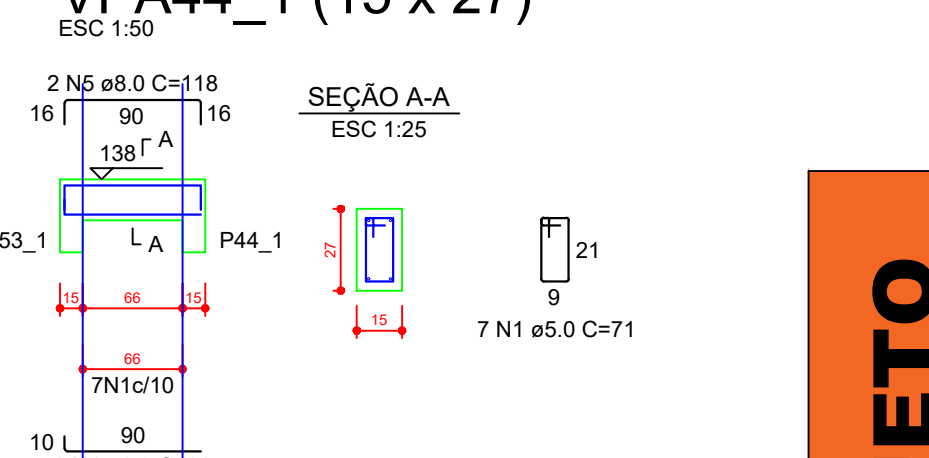
VPA42_1 (15 x 27)



VPA43_1 (15 x 27)



VPA44_1 (15 x 27)



RELAÇÃO DO AÇO

VPA15_1	VPA16_1	VPA17_1
VPA18_1	VPA19_1	VPA20_1
VPA21_1	VPA22_1	VPA23_1
VPA24_1	VPA25_1	VPA26_1
VPA27_1	VPA28_1	VPA29_1
VPA30_1	VPA31_1	VPA32_1
VPA33_1	VPA34_1	VPA35_1
VPA36_1	VPA37_1	VPA38_1
VPA39_1	VPA40_1	VPA41_1
VPA42_1	VPA43_1	VPA44_1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	252	71	17892
CA50	2	8.0	10	147	1470
	3	8.0	18	155	2790
	4	8.0	6	98	588
	5	8.0	6	118	708
	6	8.0	4	94	376
	7	8.0	4	122	488
	8	8.0	4	110	440
	9	8.0	4	116	464
	10	8.0	6	141	846
	11	8.0	6	153	918
	12	8.0	8	108	864
	13	8.0	8	128	1024
	14	8.0	16	104	1664
	15	8.0	8	132	1056
	16	8.0	8	126	1008
	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	154.2	86.9
CA60	5.0	178.9	30.3
PESO TOTAL (kg)			
CA50	66.9		
CA60	30.3		

Volume de concreto (C-30) = 0.98 m³
Área de forma = 13.04 m²

PROJETO

PROJETO ESTRUTURAL - ARQUIBANCADA 2

CABINES DE NARRAÇÃO,
ARQUIBANCADA E BANCO DE RESERVA

proprietário
PREFEITURA MUNICIPAL DE RIO AZUL
projeto e responsável técnico
JÉSSICA ELAINE CUSTÓDIO

prancha:
07/17
VIGAS CIRC. 1

Engenheira Civil - CREA-PR-166.458/D
Desenho: SP
Arquiteto: Jéssica Elaine Custódio