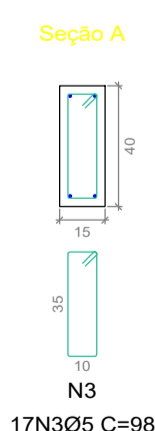
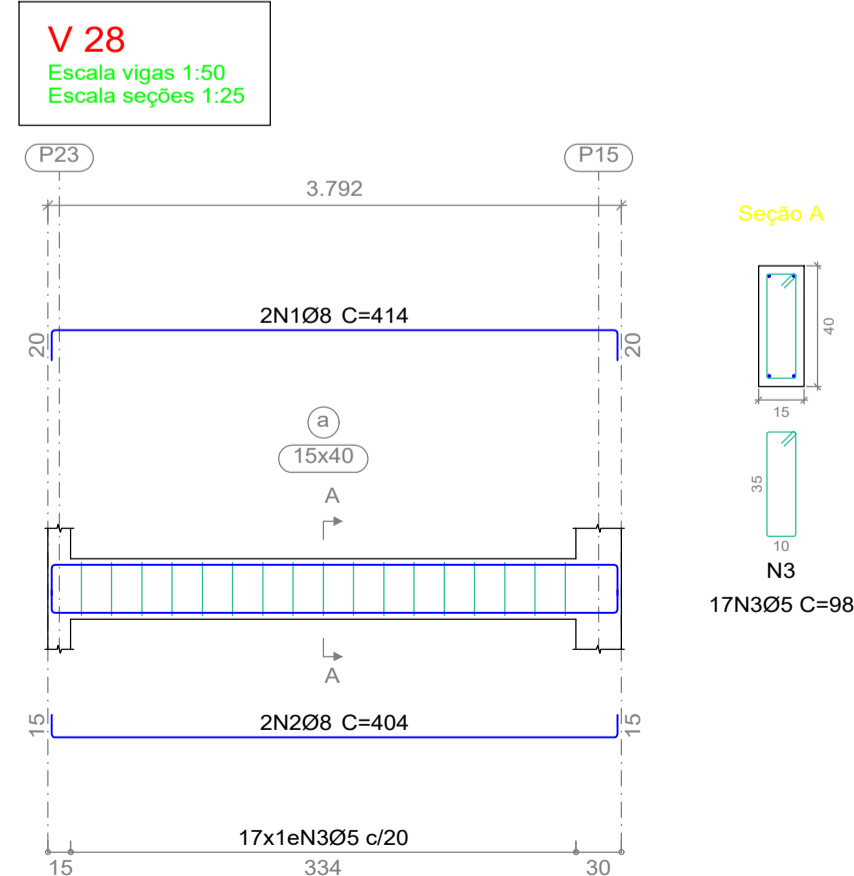
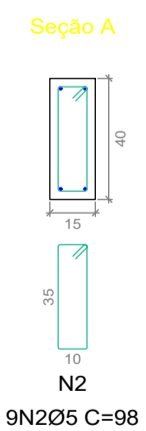
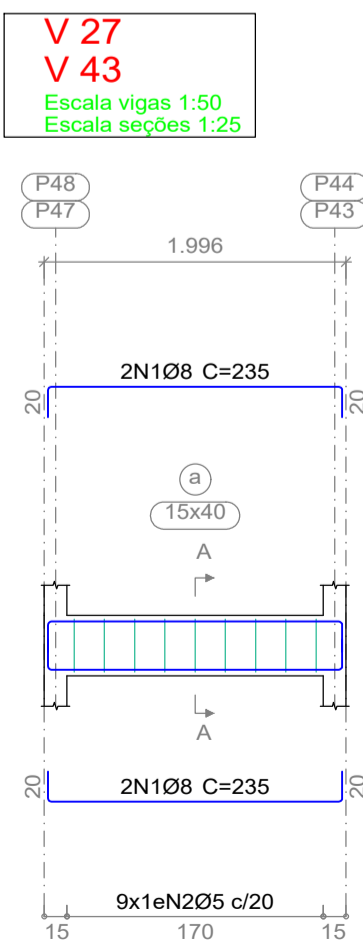
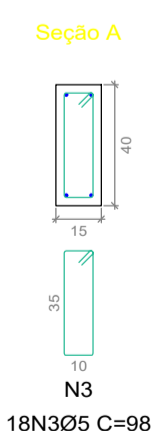
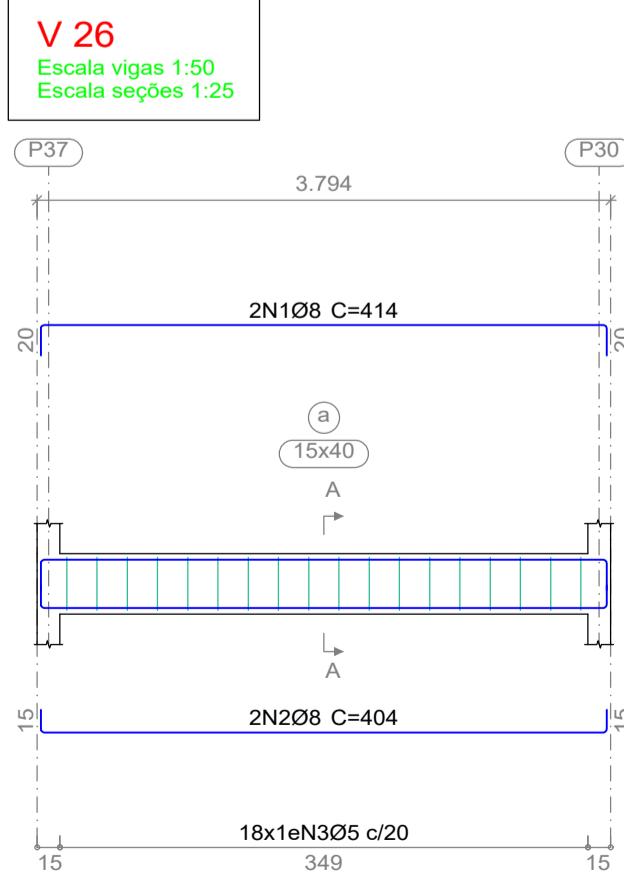
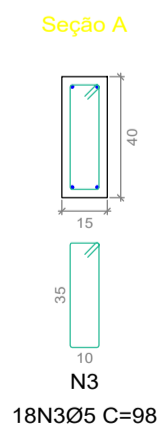
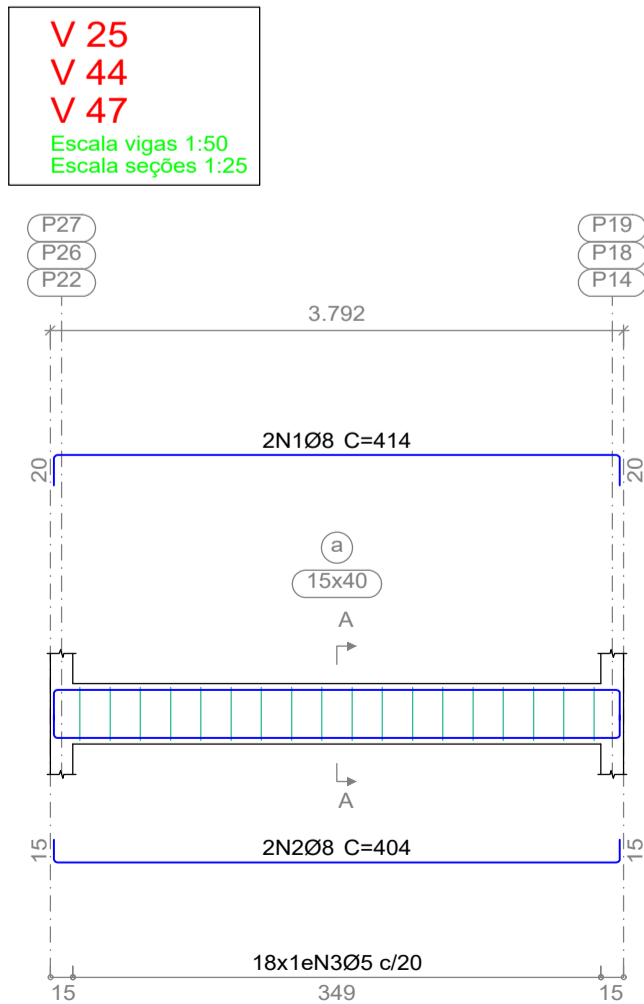
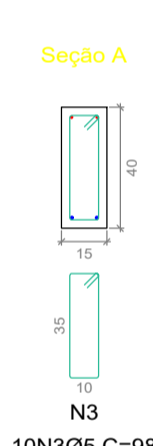
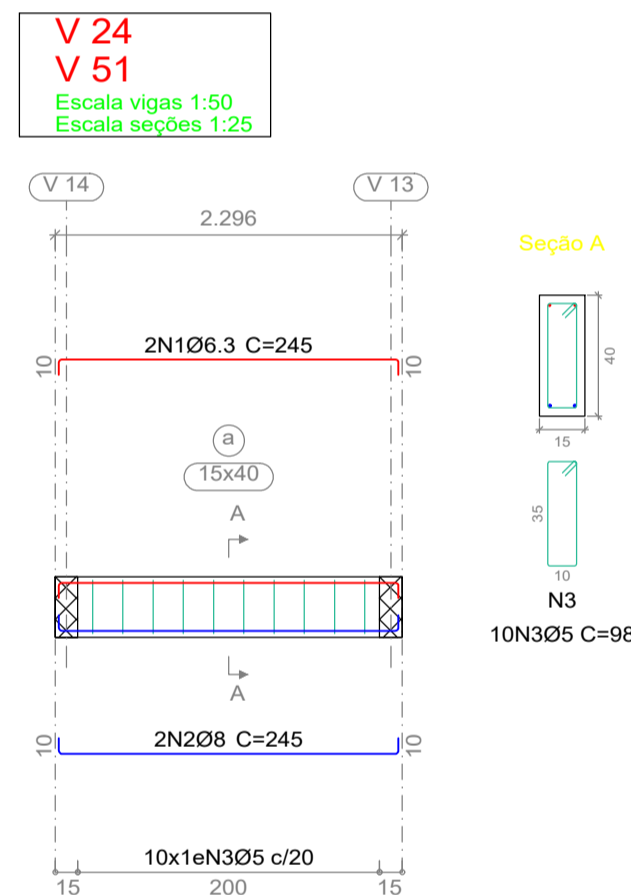
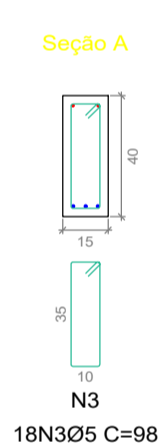
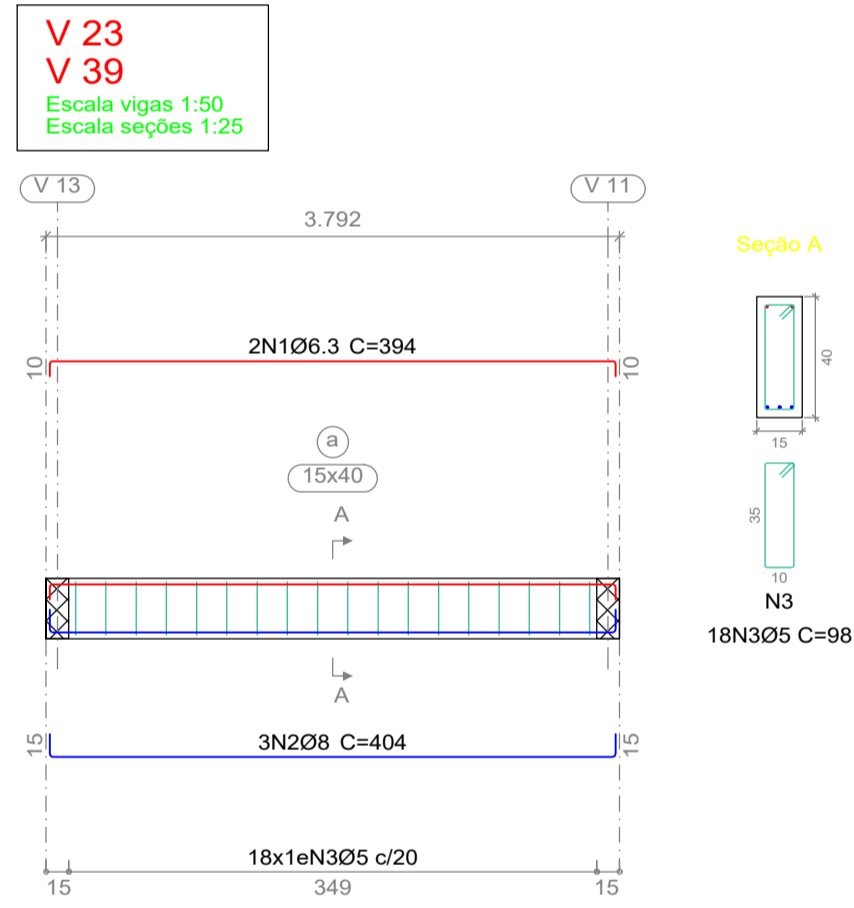
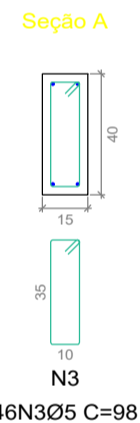
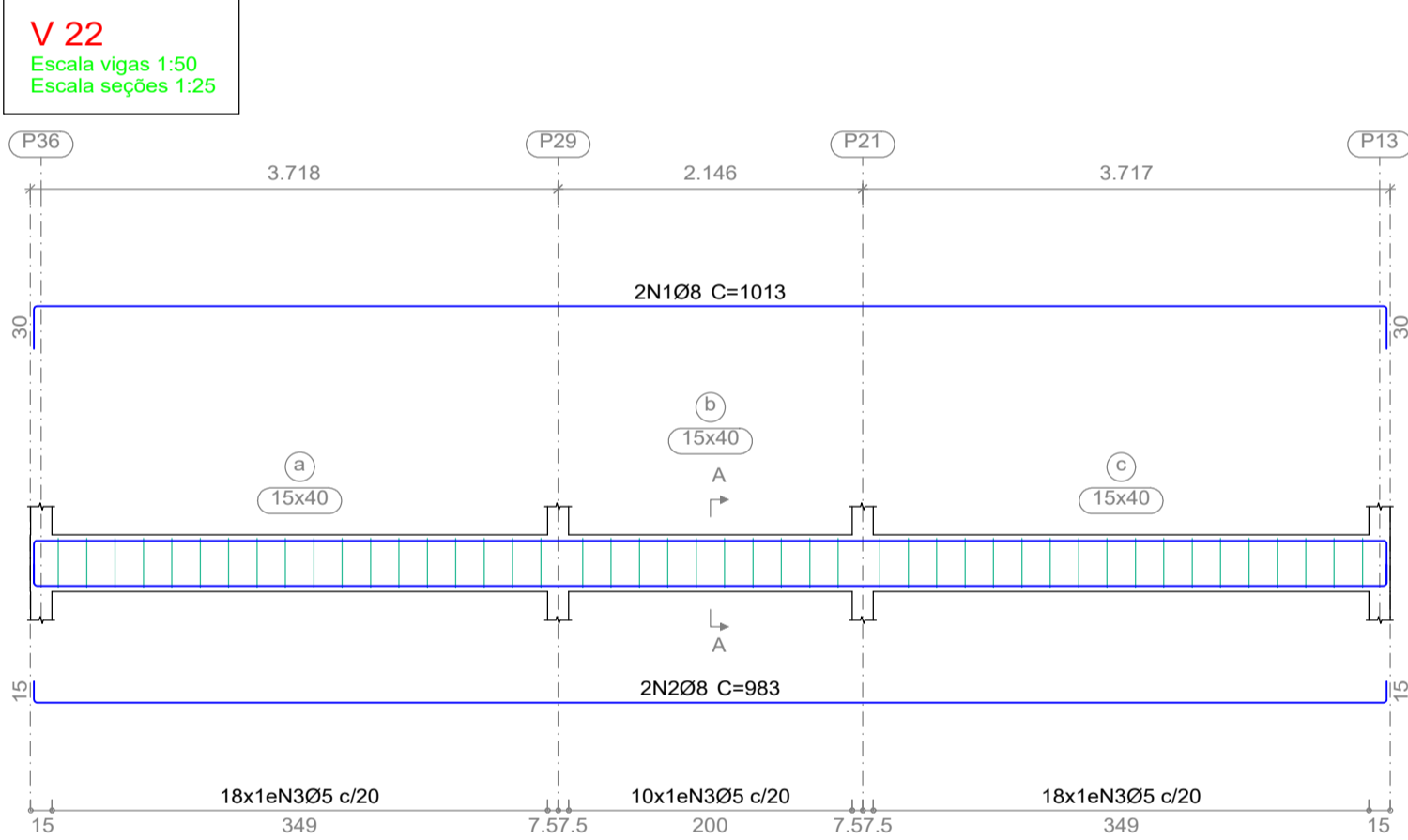
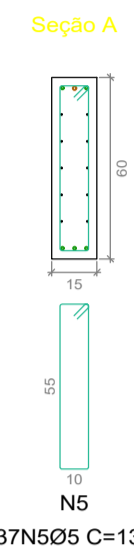
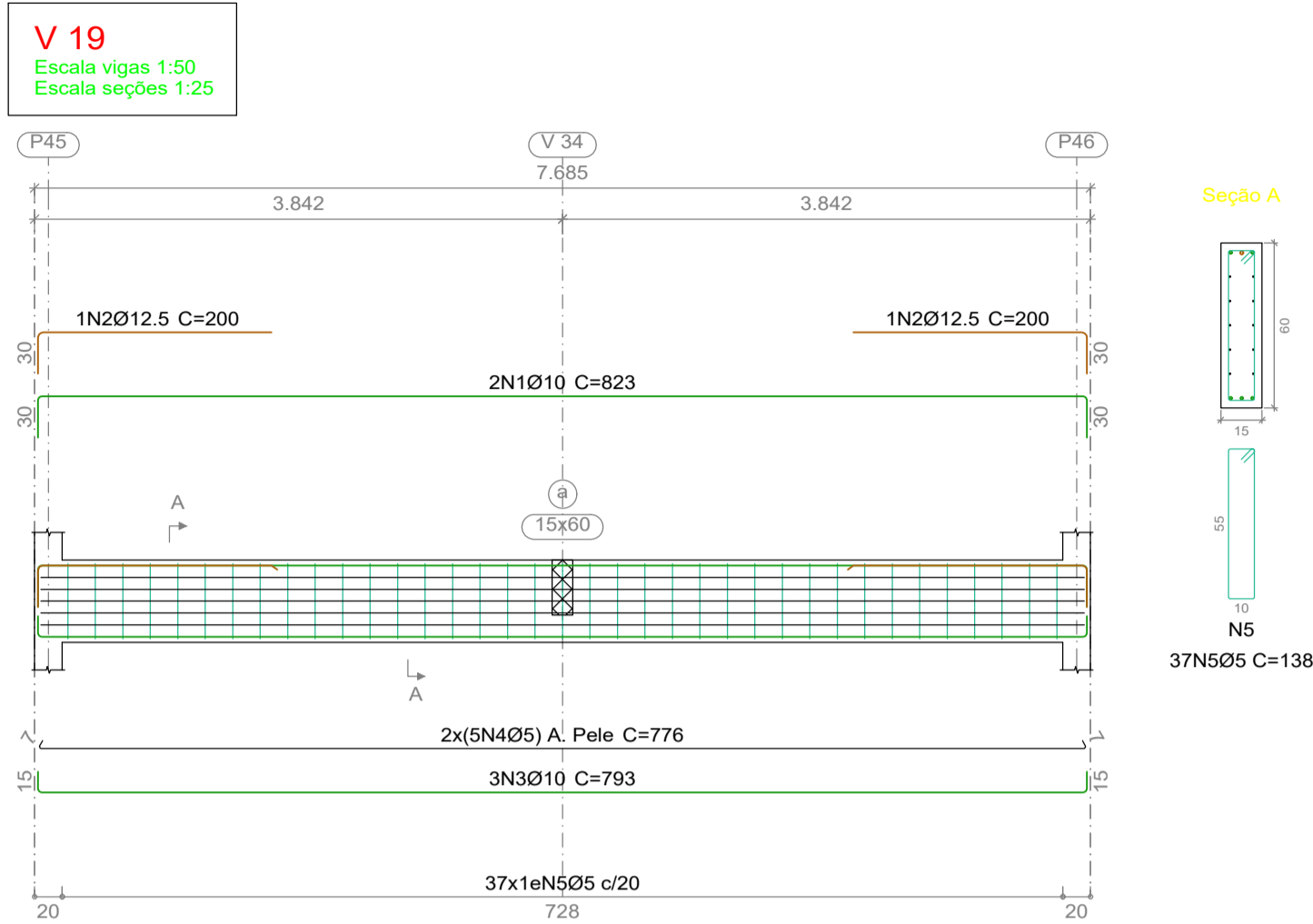
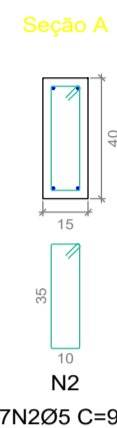
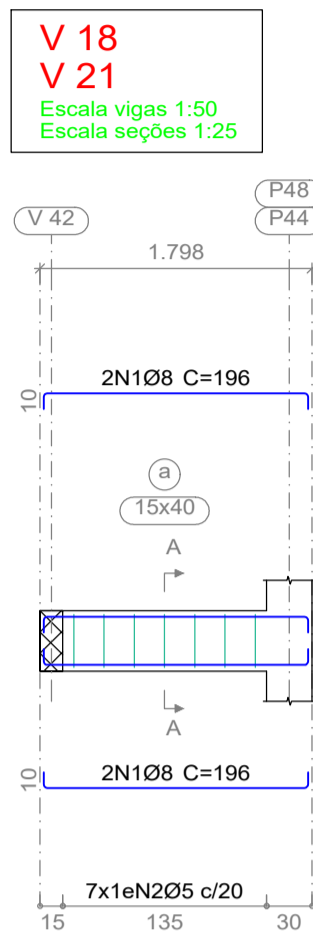
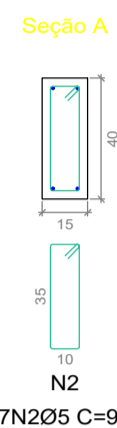
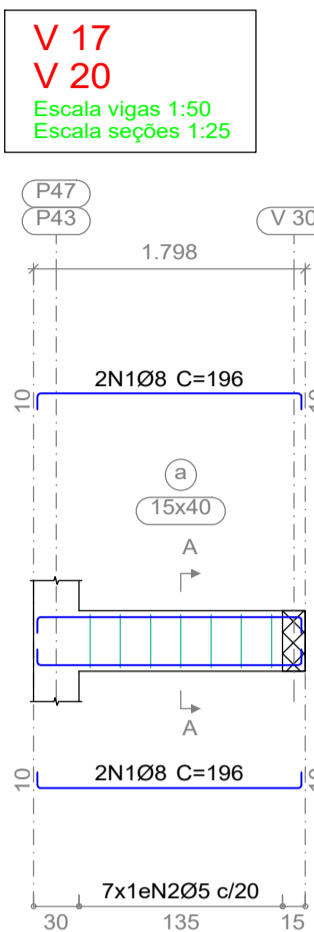
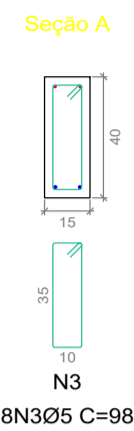
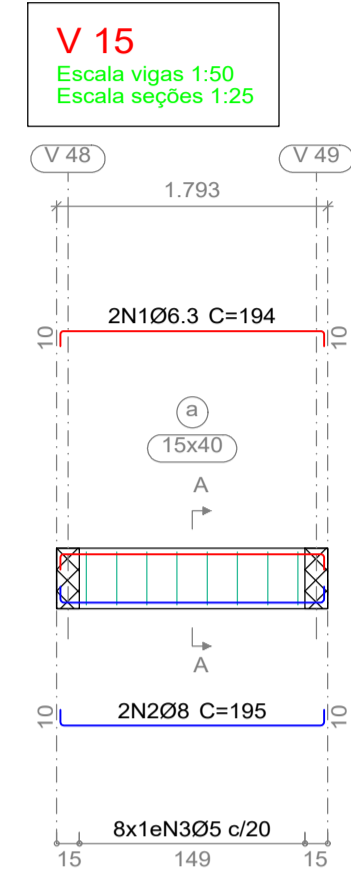
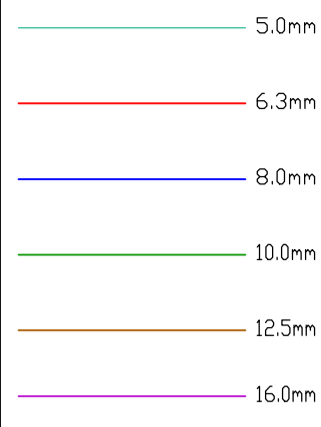


VIGAS BALDRAMES



LEGENDA



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 15	1	Ø6.3	2	10	174.3	10	194	388	1.0	
	2	Ø8	2	10.4	174.3	10.4	195	390	1.5	
	3	Ø5	8	5	88	5	98	784		1.2
Total+10%:									2.8	1.3
V 17=V 20	1	Ø8	4	10.4	174.8	10.4	196	784	3.1	1.1
	2	Ø5	7	5	88	5	98	686		1.2
	Total+10%:								3.4	2.4
V 18=V 21	1	Ø8	4	10.4	174.8	10.4	196	784	3.1	1.1
	2	Ø5	7	5	88	5	98	686		1.2
	Total+10%:								3.4	2.4
V 19	1	Ø10	2	30	763.5	30	823	1646	10.1	
	2	Ø12.5	2	30	170		200	400	3.9	
	3	Ø10	3	15	763.5	15	793	2379	14.7	
	4	Ø5	10	6.5	763.5	6.5	776	7760		12.2
	5	Ø5	37	5	128	5	138	5106		8.0
Total+10%:									31.6	22.2
V 22	1	Ø8	2	30	953.2	30	1013	2026	8.0	
	2	Ø8	2	15	953.2	15	983	1966	7.8	
	3	Ø5	46	5	88	5	98	4508		7.1
Total+10%:									17.4	7.8
V 23=V 39	1	Ø6.3	2	10	374.2	10	394	788	1.9	
	2	Ø8	3	15	374.2	15	404	1212	4.8	
	3	Ø5	18	5	88	5	98	1764		2.8
Total+10%:									7.4	3.1
V 24=V 51	1	Ø6.3	2	10	224.6	10	245	490	1.2	
	2	Ø8	2	10.4	224.6	10.4	245	490	1.9	
	3	Ø5	10	5	88	5	98	980		1.5
Total+10%:									3.4	1.7
V 25=V 44=V 47	1	Ø8	2	20	374.2	20	414	828	3.3	
	2	Ø8	2	15	374.2	15	404	808	3.2	
	3	Ø5	18	5	88	5	98	1764		2.8
Total+10%:									7.2	3.1
V 26	1	Ø8	2	20	374.4	20	414	828	3.3	
	2	Ø8	2	15	374.4	15	404	808	3.2	
	3	Ø5	18	5	88	5	98	1764		2.8
Total+10%:									7.2	3.1
V 27=V 43	1	Ø8	4	20	194.6	20	235	940	3.7	
	2	Ø5	9	5	88	5	98	882		1.4
	Total+10%:								4.1	1.5
V 28	1	Ø8	2	20	374.2	20	414	828	3.3	
	2	Ø8	2	15	374.2	15	404	808	3.2	
	3	Ø5	17	5	88	5	98	1666		2.6
Total+10%:									7.2	2.9

NOTAS

- 1 - A EXECUÇÃO DO ESCORAMENTO, DO RE-ESCORAMENTO E DO CIMBRAMENTO DEVE RESPEITAR A NBR 15696.
- 2 - RETIRAR ESCORAMENTO APÓS 28 DIAS DA CONCRETAGEM
- 3 - QUALQUER MODIFICAÇÃO OU DÚVIDA NO PROJETO DEVERÁ SER IMEDIATAMENTE INFORMADA AO PROJETISTA ESTRUTURAL

COBRIMENTOS MÍNIMOS

LAJE E ESCADA: 2,5cm
PILAR: 2,5cm
PILAR (CONTATO COM O SOLO): 2,5cm

SAPATA: 4cm
VIGA: 2,5cm

CONCRETO

fck = 25 MPa

AÇO: CA-50 E CA-60

PROJETO ESTRUTURAL

GERÊNCIA DE
PLANEJAMENTO
PMA



CL	PJ	VR	CT
MA	ES	00	01

Responsável Técnico

Área: Área terreno 2992,89m²
Área construída 474,83m²

Obra: Unidade Básica de Saúde Tipo II

Local: Apodi/RN

Assunto: DETALHAMENTO DAS VIGAS BALDRAMES
V15, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V39, V43, V44, V47, V51

Folha: 04/18

Escala: Conforme no projeto

Data: FEV/2022

Calculista Estrutural:

Proprietário:

Estrutural