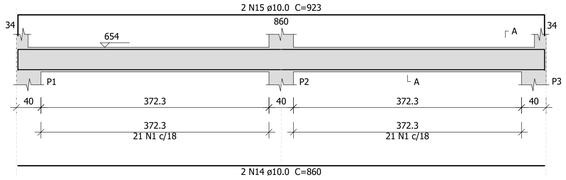
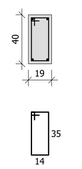
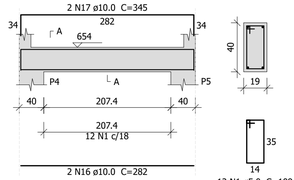
VR-1 (19 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

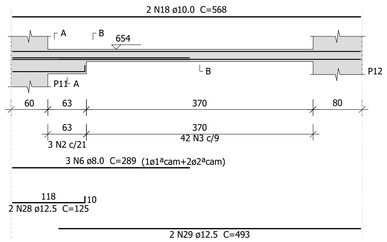


VR-2 (19 x 40)
ESC 1:50

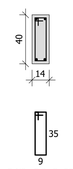


SEÇÃO A-A
ESC 1:25

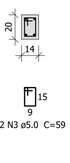
VR-3 (var)
ESC 1:50



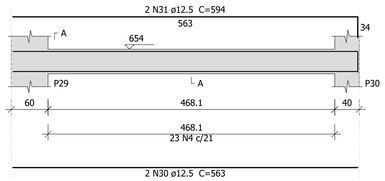
SEÇÃO A-A
ESC 1:25



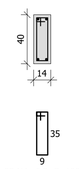
SEÇÃO B-B
ESC 1:25



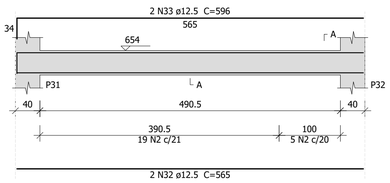
VR-4 (14 x 40)
ESC 1:50



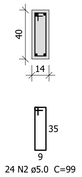
SEÇÃO A-A
ESC 1:25



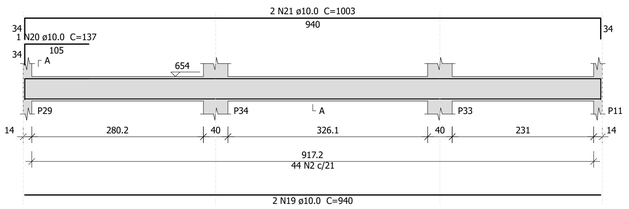
VR-5 (14 x 40)
ESC 1:50



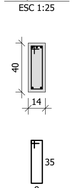
SEÇÃO A-A
ESC 1:25



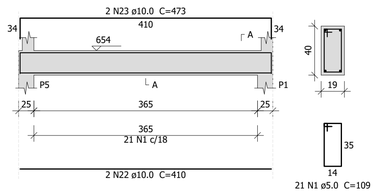
VR-6 (14 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

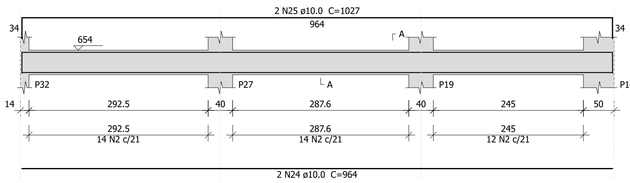


VR-8 (19 x 40)
ESC 1:50

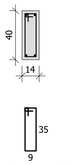


SEÇÃO A-A
ESC 1:25

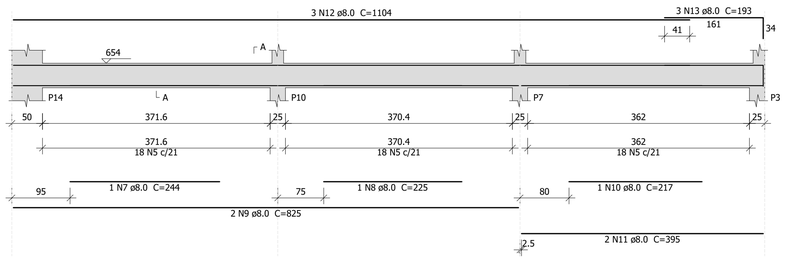
VR-9 (14 x 40)
ESC 1:50



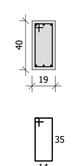
SEÇÃO A-A
ESC 1:25



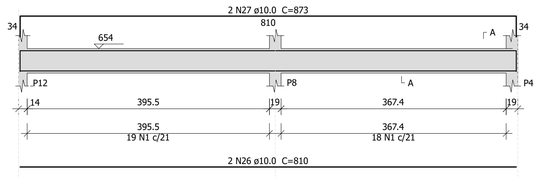
VR-10 (19 x 40)
ESC 1:50



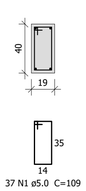
SEÇÃO A-A
ESC 1:25



VR-7 (19 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25



Relação do aço

VR-1	VR-2	VR-3
VR-4	VR-5	VR-6
VR-7	VR-8	VR-9
VR-10		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	112	109	12208
	2	5.0	111	99	10989
	3	5.0	42	59	2478
CA50	4	6.3	23	100	2300
	5	6.3	54	110	5940
	6	8.0	3	289	867
	7	8.0	1	244	244
	8	8.0	1	225	225
	9	8.0	2	825	1650
	10	8.0	1	217	217
	11	8.0	2	395	790
	12	8.0	3	1104	3312
	13	8.0	3	193	579
	14	10.0	2	860	1720
	15	10.0	2	923	1846
	16	10.0	2	282	564
	17	10.0	2	345	690
	18	10.0	2	568	1136
	19	10.0	2	940	1880
	20	10.0	1	137	137
	21	10.0	2	1003	2006
	22	10.0	2	410	820
	23	10.0	2	473	946
	24	10.0	2	964	1928
	25	10.0	2	1027	2054
	26	10.0	2	810	1620
	27	10.0	2	873	1746
	28	12.5	2	125	250
	29	12.5	2	493	986
	30	12.5	2	563	1126
	31	12.5	2	594	1188
	32	12.5	2	565	1130
	33	12.5	2	596	1192

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	6.3	82.4	7	20.2
	8.0	78.9	7	31.1
	10.0	191	16	117.7
	12.5	58.8	5	56.6
CA60	5.0	256.8	-	39.6

PESO TOTAL (kg)	
CA50	225.6
CA60	39.6

Volume de concreto (C-30) = 4.01 m³
Área de forma = 52.54 m²

Nº	DESCRIÇÃO	DATA
R00	EMISSÃO INICIAL	27/09/2024

OBS.: TODAS AS MEDIDAS DEVEM SER CONFERIDAS EM OBRA. CASO SEJA NECESSÁRIO ALGUMA ALTERAÇÃO, ENTRAR EM CONTATO COM O PROJETISTA RESPONSÁVEL.

ASSINATURAS

CLIENTE:

PREFEITURA MUNICIPAL DE GOVERNADOR CELSO RAMOS
CNPJ: 82.892.373/0001-89

RESPONSÁVEL TÉCNICO: GUILHERME SILVEIRA DE OLIVEIRA:00492851905

Assinado de forma digital por GUILHERME SILVEIRA DE OLIVEIRA:00492851905
Dados: 2024.10.04 16:27:07 -03'00'

GUILHERME SILVEIRA DE OLIVEIRA
CREA/SC: 126.956-9

ESTRUTURAL

ENGEPLANTI
PROJETOS E SUPERVISÃO
Engeplanti Consultoria LTDA./ CREA nº 163388-0 / CNPJ 23.002.667/0001-29
Rua Cristóvão Nunes Pires, 110 - CEP 88010-120 - Florianópolis / Fone: (48) 3364-2209 / e-mail: projetos@engeplanti.com.br

OBRA: **POSTO DOS BOMBEIROS DE PALMAS**

INSCRIÇÃO IMOBILIÁRIA: -

ENDEREÇO: RUA ROSENDO JOAQUIM SAGAS, S/N, PALMAS, GOVERNADOR CELSO RAMOS/SC

CONTEUDO: ARMAÇÃO VIGAS INTERMEDIÁRIO RESERV. R2 (654)

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST **21/26**

ARQUIVO: 029-23-25-BOMBEIROS-EST-PE-021-ITR2-ARM-R00.dwg