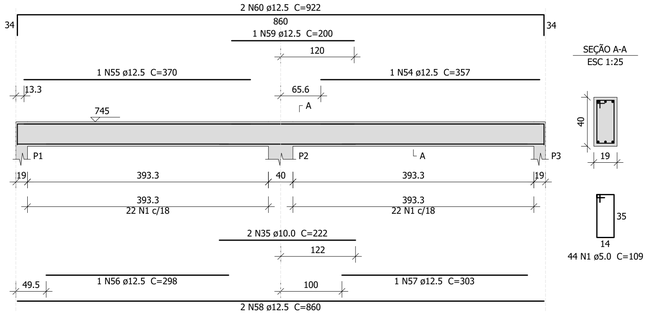
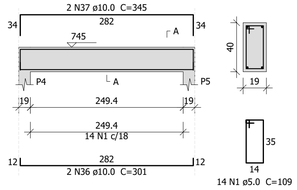
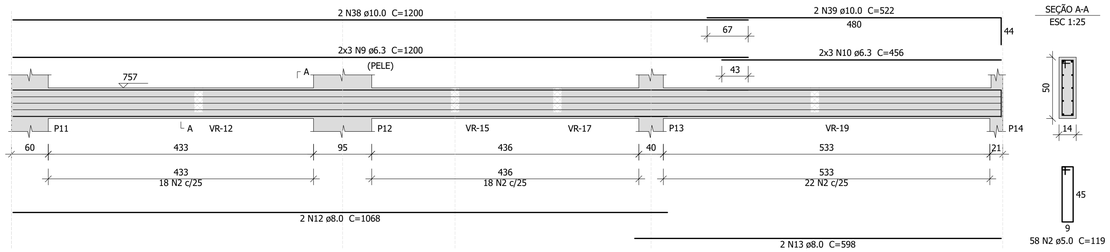
VR-1 (19 x 40)
ESC 1:50



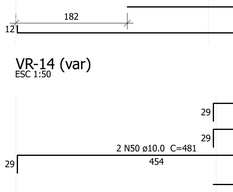
VR-2 (19 x 40)
ESC 1:50



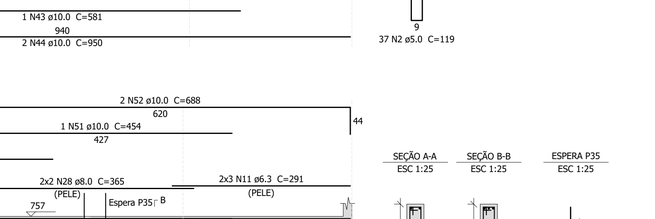
VR-3 (14 x 50)
ESC 1:50



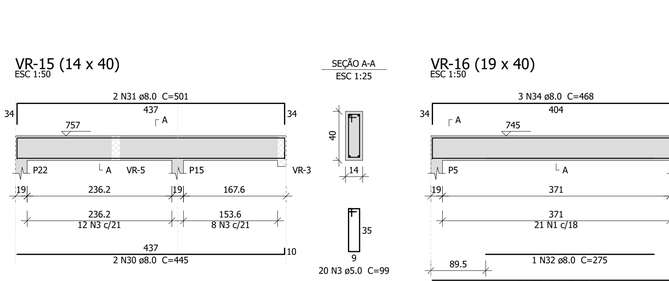
VR-4 (14 x 40)
ESC 1:50



VR-5 (var)
ESC 1:50



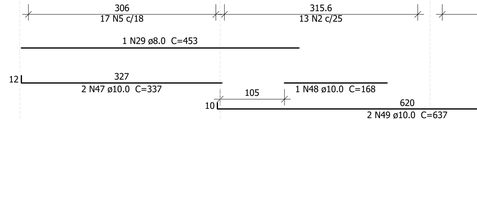
VR-6 (var)
ESC 1:50



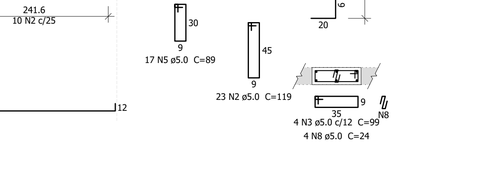
VR-7 (14 x 40)
ESC 1:50



VR-8 (14 x 35)
ESC 1:50

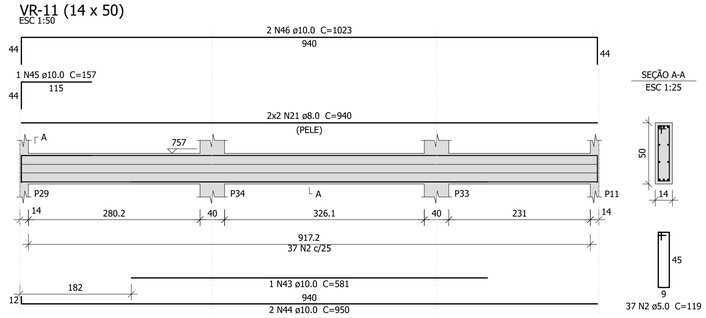


VR-9 (14 x 35)
ESC 1:50

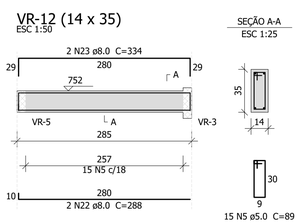


VR-10 (14 x 45)
ESC 1:50

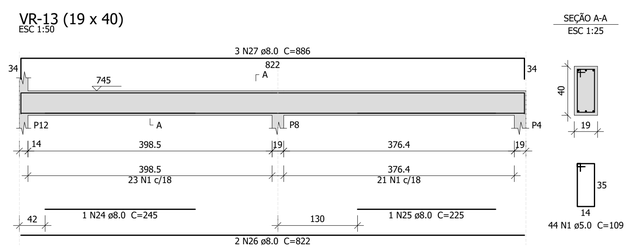
VR-11 (14 x 50)
ESC 1:50



VR-12 (14 x 35)
ESC 1:50



VR-13 (19 x 40)
ESC 1:50



VR-14 (var)
ESC 1:50

VR-15 (14 x 40)
ESC 1:50

VR-16 (19 x 40)
ESC 1:50

Relação do aço

VR-1	VR-2	VR-3
VR-4	VR-5	VR-6
VR-7	VR-8	VR-9
VR-10	VR-11	VR-12
VR-13	VR-14	VR-15
VR-16		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	123	109	13407
	2	5.0	118	119	14042
	3	5.0	71	99	7029
	4	5.0	2	174	348
	5	5.0	153	89	13617
	6	5.0	2	175	350
	7	5.0	61	109	6649
	8	5.0	4	24	96
CA50	9	6.3	6	1200	7200
	10	6.3	6	456	2736
	11	6.3	6	291	1746
	12	8.0	2	1068	2136
	13	8.0	2	598	1196
	14	8.0	2	184	368
	15	8.0	2	240	480
	16	8.0	4	563	2252
	17	8.0	1	140	140
	18	8.0	4	617	2468
	19	8.0	1	162	162
	20	8.0	1	163	163
	21	8.0	4	940	3760
	22	8.0	2	288	576
	23	8.0	2	334	668
	24	8.0	1	245	245
	25	8.0	1	225	225
	26	8.0	2	822	1644
	27	8.0	3	886	2658
	28	8.0	4	365	1460
	29	8.0	1	453	453
	30	8.0	2	445	890
	31	8.0	2	501	1002
	32	8.0	1	275	275
	33	8.0	2	404	808
	34	8.0	3	468	1404
	35	10.0	2	222	444
	36	10.0	2	301	602
	37	10.0	2	345	690
	38	10.0	2	1200	2400
	39	10.0	2	522	1044
	40	10.0	1	244	244
	41	10.0	2	737	1474
	42	10.0	1	200	200
	43	10.0	1	581	581
	44	10.0	2	950	1900
	45	10.0	1	157	157
	46	10.0	2	1023	2046
	47	10.0	2	337	674
	48	10.0	1	168	168
	49	10.0	2	637	1274
	50	10.0	2	481	962
	51	10.0	1	454	454
	52	10.0	2	688	1376
	53	10.0	6	101	606
	54	12.5	1	357	357
	55	12.5	1	370	370
	56	12.5	1	298	298
	57	12.5	1	303	303
	58	12.5	2	860	1720
	59	12.5	1	200	200
	60	12.5	2	922	1844
	61	12.5	2	745	1490
	62	12.5	2	783	1566
	63	12.5	2	786	1572
	64	12.5	2	526	1052
	65	12.5	2	569	1138
	66	12.5	1	279	279
	67	12.5	2	1087	2174
	68	12.5	2	540	1080
	69	12.5	1	704	704
	70	12.5	2	1200	2400
	71	12.5	2	475	950

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	6.3	116.9	10	28.6
	8.0	254.4	22	100.4
	10.0	173	15	106.6
	12.5	195	17	187.8
CA60	5.0	555.4	-	85.6

PESO TOTAL (kg)	
CA50	423.4
CA60	85.6

Volume de concreto (C-30) = 6.58 m³
Área de forma = 95.81 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 16:26:41 -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
CONTEÚDO: ARMAÇÃO VIGAS RESERVATÓRIO - FOLHA 1/2
ESCALA: INDICADA
ETAPA: PROJETO EXECUTIVO
PRANCHA: EST 23/26
ARQUIVO: 029-23-25-BOMBEIROS-EST-PE-023-RESE-ARM-R00.dwg