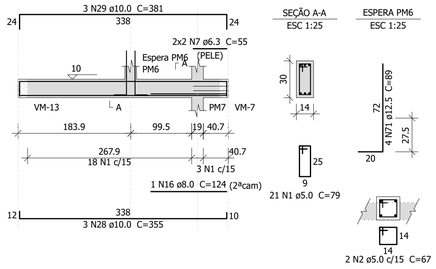
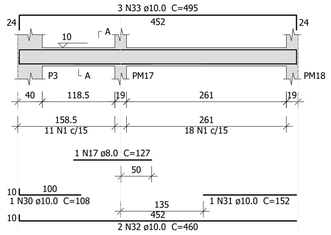
VM-1 (14 x 30)
ESC 1:50



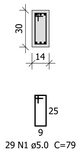
SEÇÃO A-A
ESC 1:25

ESPERA PM6
ESC 1:25

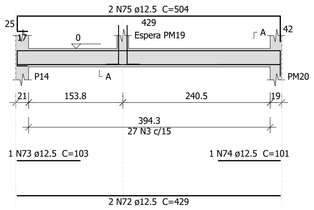
VM-2 (14 x 30)
ESC 1:50



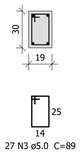
SEÇÃO A-A
ESC 1:25



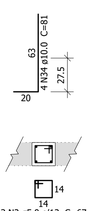
VM-3 (19 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

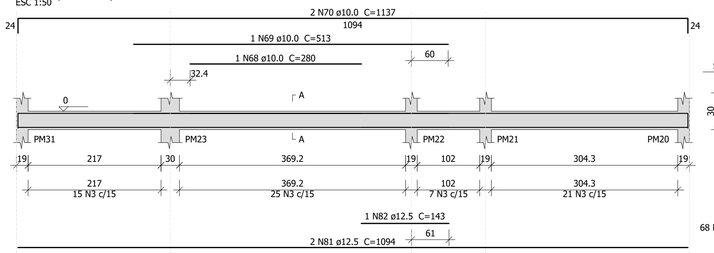


ESPERA PM19
ESC 1:25

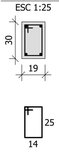


TÉRREO

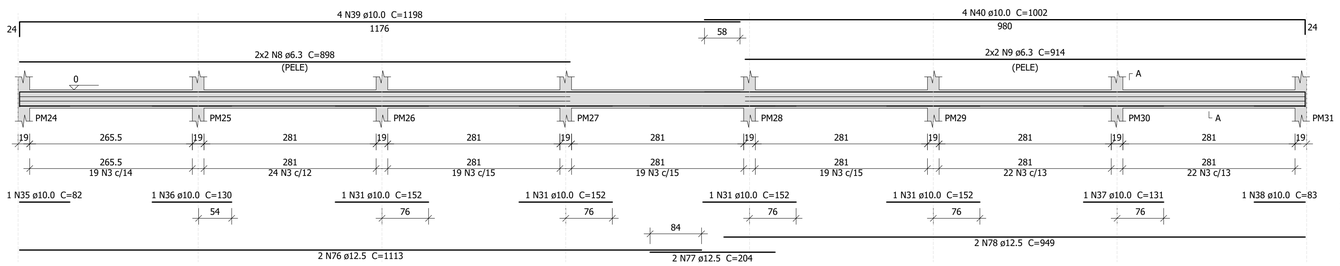
VM-8 (19 x 30)
ESC 1:50



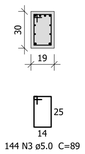
SEÇÃO A-A
ESC 1:25



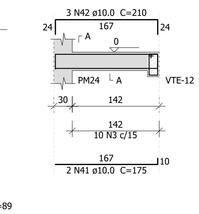
VM-4 (19 x 30)
ESC 1:50



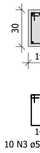
SEÇÃO A-A
ESC 1:25



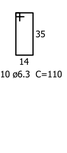
VM-5 (19 x 30)
ESC 1:50



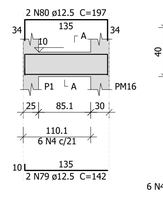
SEÇÃO A-A
ESC 1:25



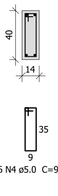
SUSPENSÃO VTE-12
ESC 1:25



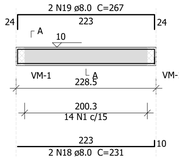
VM-6 (14 x 40)
ESC 1:50



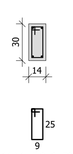
SEÇÃO A-A
ESC 1:25



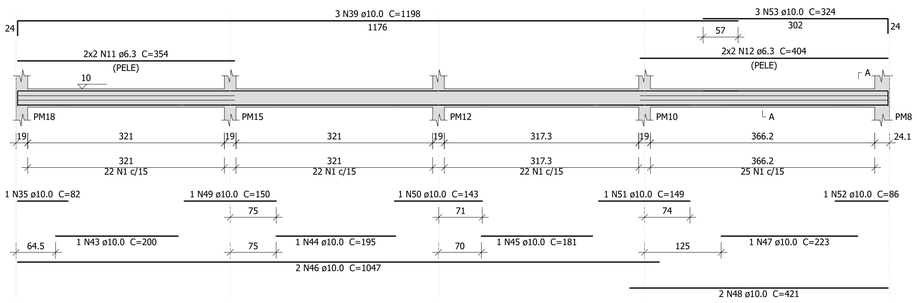
VM-7 (14 x 30)
ESC 1:50



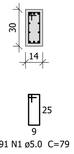
SEÇÃO A-A
ESC 1:25



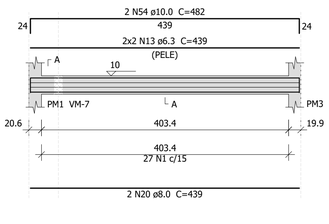
VM-9 (14 x 30)
ESC 1:50



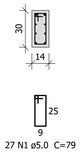
SEÇÃO A-A
ESC 1:25



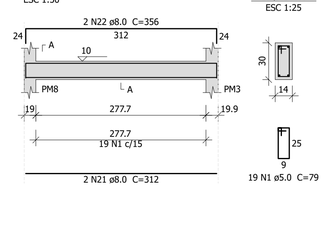
VM-10 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

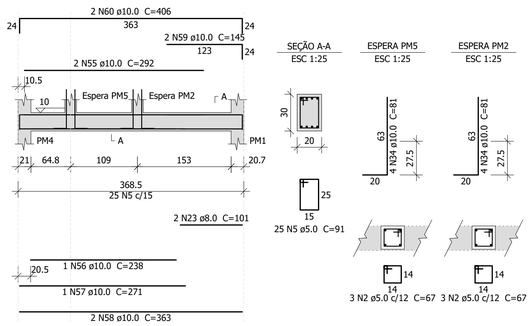


VM-11 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

VM-12 (20 x 30)
ESC 1:50

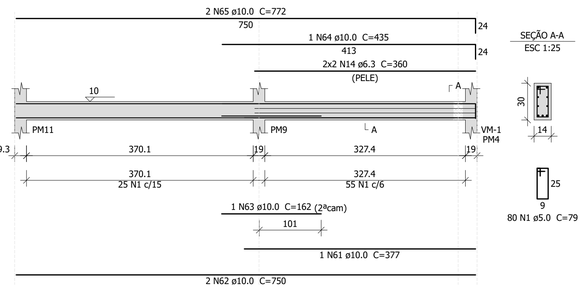


SEÇÃO A-A
ESC 1:25

ESPERA PM5
ESC 1:25

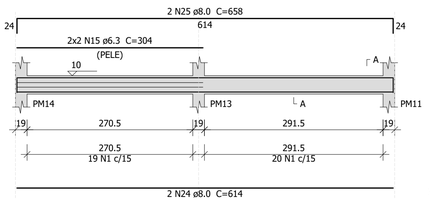
ESPERA PM2
ESC 1:25

VM-13 (14 x 30)
ESC 1:50

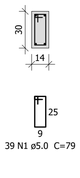


SEÇÃO A-A
ESC 1:25

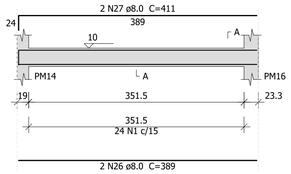
VM-14 (14 x 30)
ESC 1:50



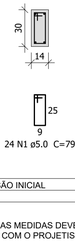
SEÇÃO A-A
ESC 1:25



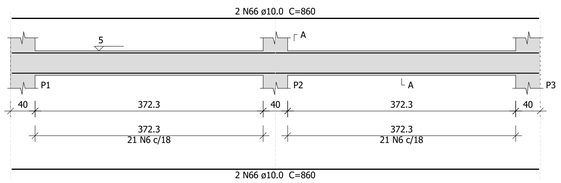
VM-15 (14 x 30)
ESC 1:50



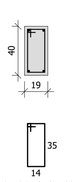
SEÇÃO A-A
ESC 1:25



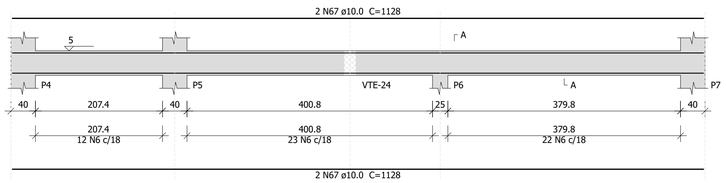
VTE-1 (19 x 40)
ESC 1:50



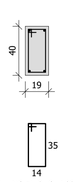
SEÇÃO A-A
ESC 1:25



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



SEÇÃO A-A
ESC 1:25



Relação do aço

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

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	344	79	27176
	2	5.0	11	67	737
	3	5.0	249	89	22161
	4	5.0	6	99	594
	5	5.0	25	91	2275
	6	5.0	99	109	10791
CA50	7	6.3	4	55	220
	8	6.3	4	898	3592
	9	6.3	4	914	3656
	10	6.3	2	110	220
	11	6.3	4	354	1416
	12	6.3	4	404	1616
	13	6.3	4	439	1756
	14	6.3	4	360	1440
	15	6.3	4	304	1216
	16	8.0	1	124	124
	17	8.0	1	127	127
	18	8.0	2	231	462
	19	8.0	2	267	534
	20	8.0	2	439	878
	21	8.0	2	312	624
	22	8.0	2	356	712
	23	8.0	2	101	202
	24	8.0	2	614	1228
	25	8.0	2	658	1316
	26	8.0	2	389	778
	27	8.0	2	411	822
	28	10.0	3	355	1065
	29	10.0	3	381	1143
	30	10.0	1	108	108
	31	10.0	5	152	760
	32	10.0	2	460	920
	33	10.0	3	495	1485
	34	10.0	12	81	972
	35	10.0	2	82	164
	36	10.0	1	130	130
	37	10.0	1	131	131
	38	10.0	1	83	83
	39	10.0	7	1198	8386
	40	10.0	4	1002	4008
	41	10.0	2	175	350
	42	10.0	3	210	630
	43	10.0	1	200	200
	44	10.0	1	195	195
	45	10.0	1	181	181
	46	10.0	2	1047	2094
	47	10.0	1	223	223
	48	10.0	2	421	842
	49	10.0	1	150	150
	50	10.0	1	143	143
	51	10.0	1	149	149
	52	10.0	1	86	86
	53	10.0	3	324	972
	54	10.0	2	482	964
	55	10.0	2	292	584
	56	10.0	1	238	238
	57	10.0	1	271	271
	58	10.0	2	363	726
	59	10.0	2	145	290
	60	10.0	2	406	812
	61	10.0	1	377	377
	62	10.0	2	750	1500
	63	10.0	1	162	162
	64	10.0	1	435	435
	65	10.0	2	772	1544
	66	10.0	4	860	3440
	67	10.0	4	1128	4512
	68	10.0	1	280	280
	69	10.0	1	513	513
	70	10.0	2	1137	2274
	71	12.5	4	89	356
	72	12.5	2	429	858
	73	12.5	1	103	103
	74	12.5	1	101	101
	75	12.5	2	504	1008
	76	12.5	2	1113	2226
	77	12.5	2	204	408
	78	12.5	2	949	1898
	79	12.5	2	142	284
	80	12.5	2	197	394
	81	12.5	2	1094	2188
	82	12.5	1	143	143

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	6.3	151.4	13	37
	8.0	78.1	7	30.8
	10.0	445	38	274.3
	12.5	99.7	9	96
CA60	5.0	637.4	-	98.2

PESO TOTAL (kg)	
CA50	438.2
CA60	98.2

Volume de concreto (C-30) = 5.47 m³
Área de forma = 77.61 m²

R00	EMISSÃO INICIAL	27/09/2024
Nº	DESCRIÇÃO	DATA

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 16:32:29 -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 TÉRREO - FOLHA 1/3
ESCALA: INDICADA
ETAPA: PROJETO EXECUTIVO
PRANCHA: EST 10/26
ARQUIVO: 029-23-25-BOMBEIROS-EST-PE-010-TERR-ARM-R00.dwg