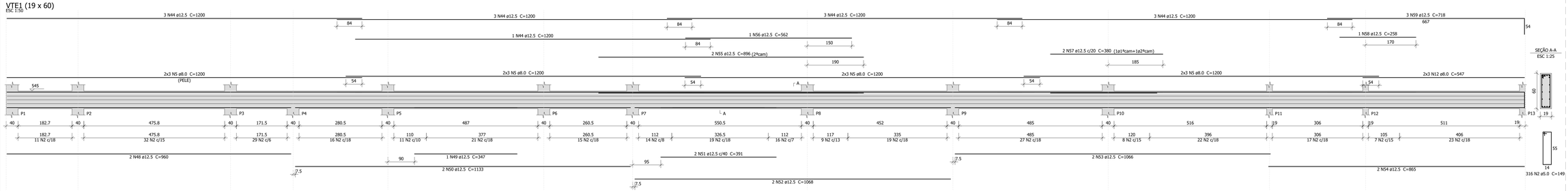
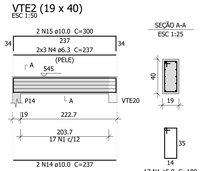
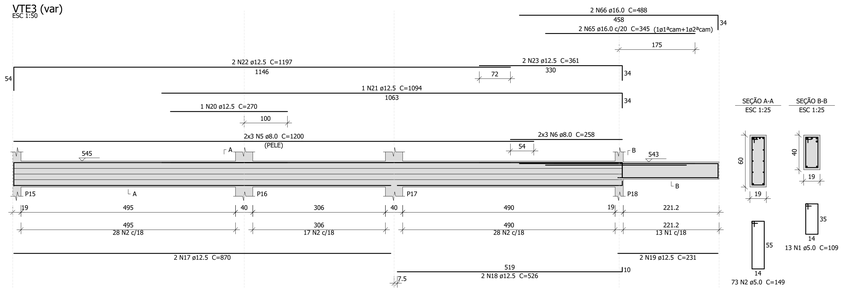
VTE1 (19 x 60)
ESC 1:50



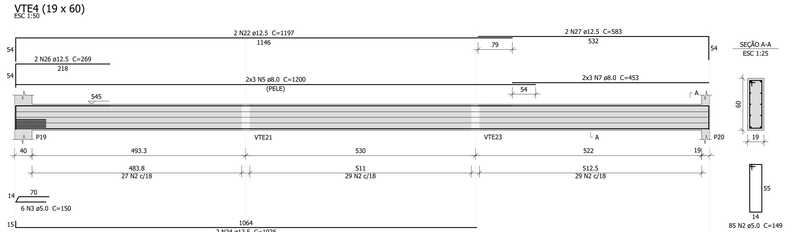
VTE2 (19 x 40)
ESC 1:50



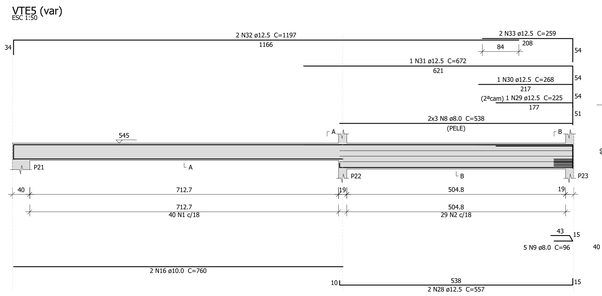
VTE3 (var)
ESC 1:50



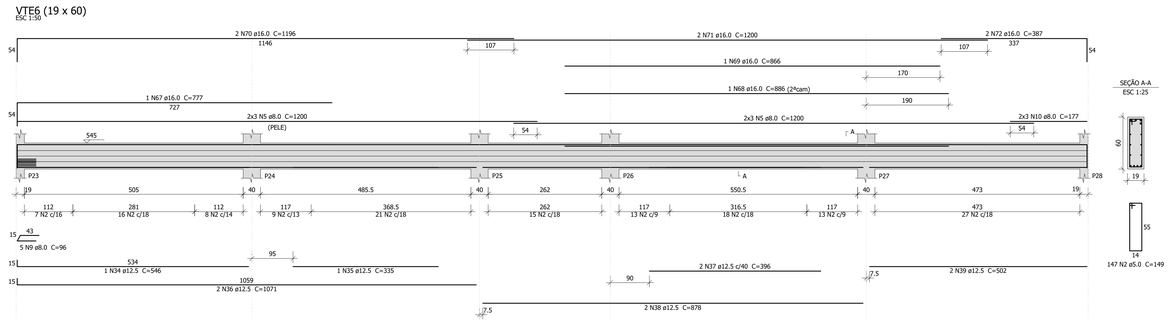
VTE4 (19 x 60)
ESC 1:50



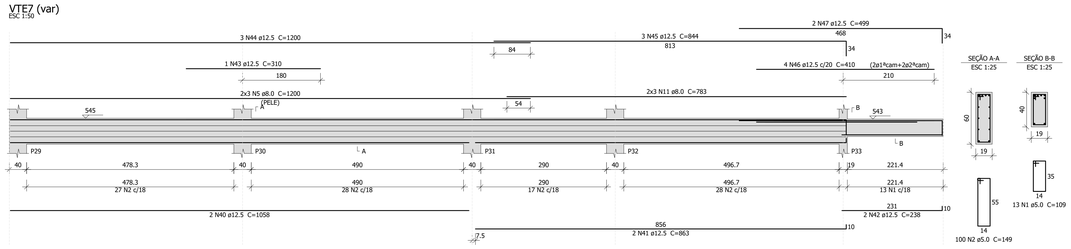
VTE5 (var)
ESC 1:50



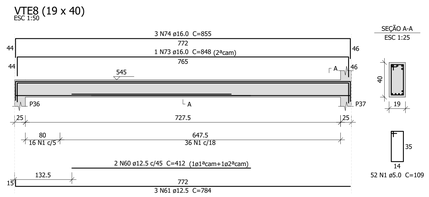
VTE6 (19 x 60)
ESC 1:50



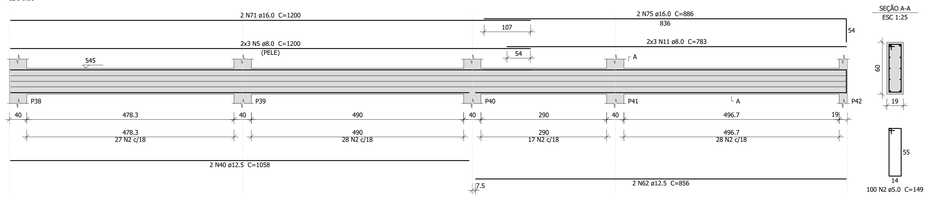
VTE7 (var)
ESC 1:50



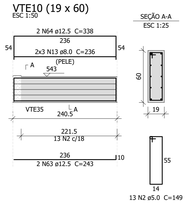
VTE8 (19 x 40)
ESC 1:50



VTE9 (19 x 60)
ESC 1:50



VTE10 (19 x 60)
ESC 1:50



Relação do aço

VTE1	VTE2	VTE3
VTE4	VTE5	VTE6
VTE7	VTE8	VTE9
VTE10		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	135	109	14715
	2	5.0	863	149	128587
	3	5.0	6	150	900
CA50	4	6.3	6	237	1422
	5	8.0	60	1200	72000
	6	8.0	6	258	1548
	7	8.0	6	453	2718
	8	8.0	6	538	3228
	9	8.0	10	96	960
	10	8.0	6	177	1062
	11	8.0	12	783	9396
	12	8.0	6	547	3282
	13	8.0	6	236	1416
	14	10.0	2	237	474
	15	10.0	2	300	600
	16	10.0	2	760	1520
	17	12.5	2	870	1740
	18	12.5	2	526	1052
	19	12.5	2	231	462
	20	12.5	1	270	270
	21	12.5	1	1094	1094
	22	12.5	4	1197	4788
	23	12.5	2	361	722
	24	12.5	2	1076	2152
	25	12.5	2	542	1084
	26	12.5	2	269	538
	27	12.5	2	583	1166
	28	12.5	2	557	1114
	29	12.5	1	225	225
	30	12.5	1	268	268
	31	12.5	1	672	672
	32	12.5	2	1197	2394
	33	12.5	2	259	518
	34	12.5	1	546	546
	35	12.5	1	335	335
	36	12.5	2	1071	2142
	37	12.5	2	396	792
	38	12.5	2	878	1756
	39	12.5	2	502	1004
	40	12.5	4	1058	4232
	41	12.5	2	863	1726
	42	12.5	2	238	476
	43	12.5	1	310	310
	44	12.5	16	1200	19200
	45	12.5	3	844	2532
	46	12.5	4	410	1640
	47	12.5	2	499	998
	48	12.5	2	960	1920
	49	12.5	1	347	347
	50	12.5	2	1133	2266
	51	12.5	2	391	782
	52	12.5	2	1068	2136
	53	12.5	2	1066	2132
	54	12.5	2	865	1730
	55	12.5	2	896	1792
	56	12.5	1	562	562
	57	12.5	2	380	760
	58	12.5	1	258	258
	59	12.5	3	718	2154
	60	12.5	2	412	824
	61	12.5	3	784	2352
	62	12.5	2	856	1712
	63	12.5	2	243	486
	64	12.5	2	338	676
	65	16.0	2	345	690
	66	16.0	2	488	976
	67	16.0	1	777	777
	68	16.0	1	886	886
	69	16.0	1	866	866
	70	16.0	2	1196	2392
	71	16.0	4	1200	4800
	72	16.0	2	387	774
	73	16.0	1	848	848
	74	16.0	3	855	2565
	75	16.0	2	886	1772

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	6.3	14.3	2	3.5
	8.0	956.1	80	377.3
	10.0	26	3	16
	12.5	808.4	68	778.7
	16.0	173.5	15	273.8
CA60	5.0	1442.1	-	222.3

PESO TOTAL (kg)

CA50	1449.2
CA60	222.3

Volume de concreto (C-30) = 17.61 m³
Área de forma = 167.93 m²

R01	DIVISÃO DAS FASES	18/03/2026
R00	EMISSÃO INICIAL	12/02/2026
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
82.892.375/0001-89

RESPONSÁVEL TÉCNICO:
MARCO AURELIO SACENTI:04158791910 Assinado de forma digital por MARCO AURELIO SACENTI:04158791910 Dados: 2026.03.19 15:26:33 -03'00'
MARCO AURÉLIO SACENTI
CREA/SC 082270-7

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) 3304-2209 / e-mail: projetos@engeplanti.com.br

OBRA:
CEI DULCE GODINHO NAZÁRIO
INSCRIÇÃO IMOBILIÁRIA:
ENDEREÇO:
RUA SÃO PEDRO, CANTO DOS GANCHOS, GOVERNADOR CELSO RAMOS/SC
CONTEÚDO:
DETALHAMENTO VIGAS TÉRREO 1-3
EDIFICAÇÃO PRINCIPAL (100)
ESCALA: INDICADA
ETAPA: PROJETO EXECUTIVO
PRANCHA: EST 21/35
ARQUIVO:
029-23-28-CEI DULCE-EST-PE-121-DETALHAMENTO VIGAS TERREO 1-3-R01.dwg