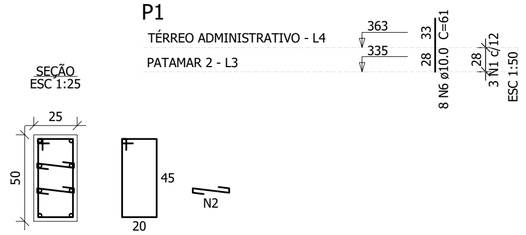
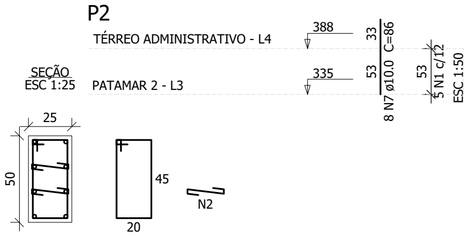
P1



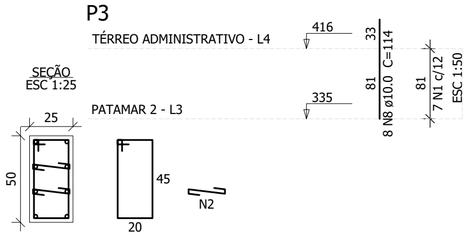
3 N1 ø5.0 C=141
2x3 N2 ø5.0 C=35

P2



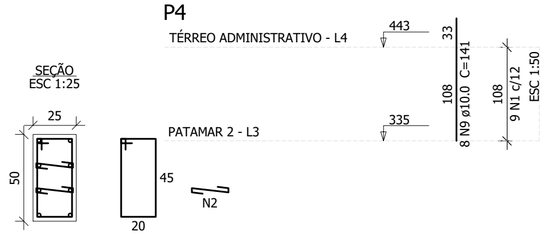
5 N1 ø5.0 C=141
2x5 N2 ø5.0 C=35

P3



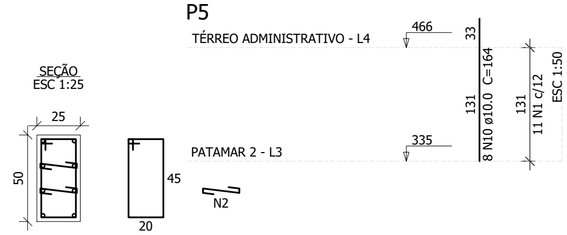
7 N1 ø5.0 C=141
2x7 N2 ø5.0 C=35

P4



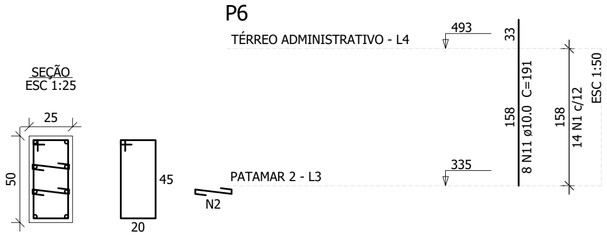
9 N1 ø5.0 C=141
2x9 N2 ø5.0 C=35

P5



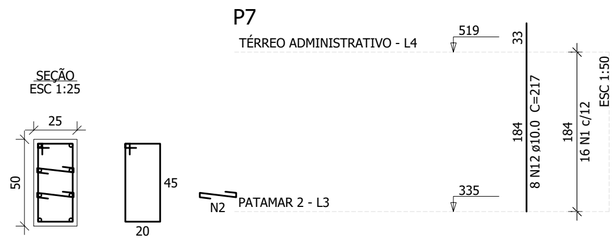
11 N1 ø5.0 C=141
2x11 N2 ø5.0 C=35

P6



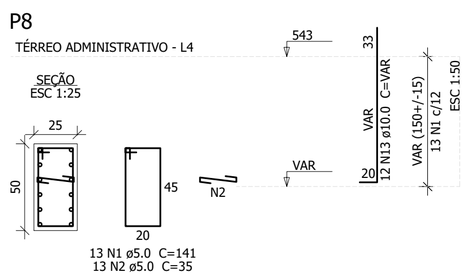
14 N1 ø5.0 C=141
2x14 N2 ø5.0 C=35

P7



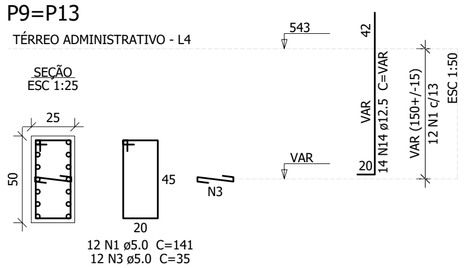
16 N1 ø5.0 C=141
2x16 N2 ø5.0 C=35

P8



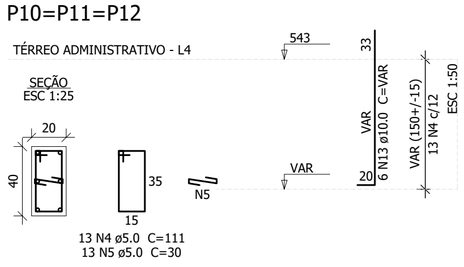
13 N1 ø5.0 C=141
13 N2 ø5.0 C=35

P9=P13



12 N1 ø5.0 C=141
12 N3 ø5.0 C=35

P10=P11=P12



13 N4 ø5.0 C=111
13 N5 ø5.0 C=30

Relação do aço

P1 P2 P3
P4 P5 P6
P7 P8 2xP9
3xP10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	102	141	14382
	2	5.0	143	35	5005
	3	5.0	24	35	840
	4	5.0	39	111	4329
	5	5.0	39	30	1170
CA50	6	10.0	8	61	488
	7	10.0	8	86	688
	8	10.0	8	114	912
	9	10.0	8	141	1128
	10	10.0	8	164	1312
	11	10.0	8	191	1528
	12	10.0	8	217	1736
	13	10.0	30	VAR	VAR
	14	12.5	28	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	10.0	136.8	12	84.3
	12.5	57.2	5	55
CA60	5.0	257.3	-	39.7

PESO TOTAL (kg)	
CA50	139.3
CA60	39.7

Volume de concreto (C-30) = 1.6 m³
Área de forma = 20.01 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
82.892.373/0001-89

RESPONSÁVEL TÉCNICO:
MARCO AURELIO SACENTI:04158791910
Assinado de forma digital por MARCO AURELIO SACENTI:04158791910
Dados: 2026.03.19 15:41:42 -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) 3364-2209 / 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 PILARES TERREO
PASSARELA (200)

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST **18/20**

ARQUIVO:
029-23-28-CEI DULCE-EST-PE-218-DETALHAMENTO PILARES TERREO-R01.dwg