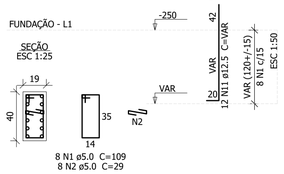
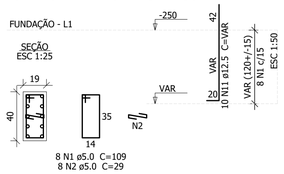
P8=P30=P39=P61=P64=PMAQ



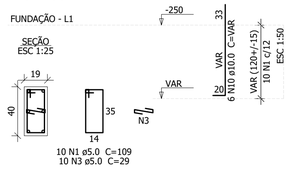
8 N1 ø5.0 C=109
8 N2 ø5.0 C=29

P9=P16=P17=P32=P54=P55



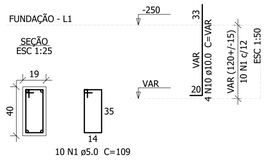
8 N1 ø5.0 C=109
8 N2 ø5.0 C=29

P10=P38=P47



10 N1 ø5.0 C=109
10 N3 ø5.0 C=29

P11=P29=P62=P66=P67



10 N1 ø5.0 C=109

Relação do aço

6xP8	6xP9	3xP10
5xP11	P12	2xP15
P27	4xP31	P41
P46	P48	P49
P53	P65	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	245	109	26705
	2	5.0	168	29	4872
	3	5.0	30	29	870
	4	5.0	28	29	812
	5	5.0	31	121	3751
	6	5.0	24	35	840
	7	5.0	7	35	245
	8	5.0	8	111	888
	9	5.0	8	30	240
CA50	10	10.0	38	VAR	VAR
	11	12.5	210	VAR	VAR
	12	16.0	32	VAR	VAR

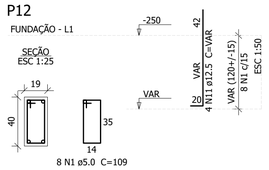
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	10.0	63.1	6	38.9
	12.5	365.4	31	352
	16.0	58.9	5	92.9
CA60	5.0	392.3	-	60.5

PESO TOTAL (kg)	
CA50	483.8
CA60	60.5

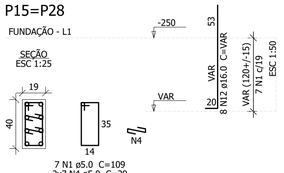
Volume de concreto (C-30) = 2.24 m³
Área de forma = 33.97 m²

P12



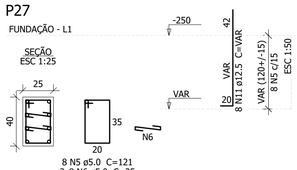
8 N1 ø5.0 C=109

P15=P28



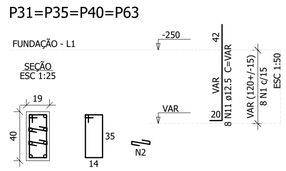
7 N1 ø5.0 C=109
2x7 N4 ø5.0 C=29

P27



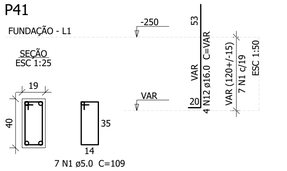
8 N5 ø5.0 C=121
2x8 N6 ø5.0 C=35

P31=P35=P40=P63



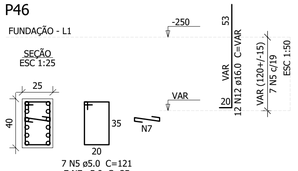
8 N1 ø5.0 C=109
2x8 N2 ø5.0 C=29

P41



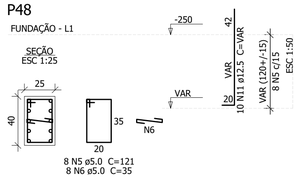
7 N1 ø5.0 C=109

P46



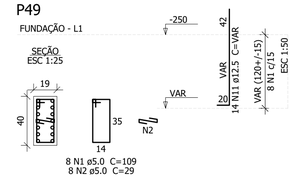
7 N5 ø5.0 C=121
7 N7 ø5.0 C=35

P48



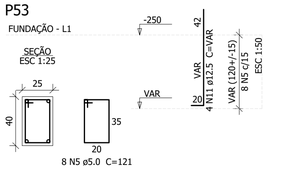
8 N5 ø5.0 C=121
8 N6 ø5.0 C=35

P49



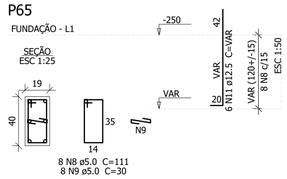
8 N1 ø5.0 C=109
8 N2 ø5.0 C=29

P53



8 N5 ø5.0 C=121

P65



8 N8 ø5.0 C=111
8 N9 ø5.0 C=30

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 15:22:16 -03'00'

MARCO AURÉLIO SACENTI
CREA/SC 082270-7

ESTRUTURAL

ENGEPLANTI
PROJETOS E SUPERVISÃO
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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 FUNDAÇÃO
EDIFICAÇÃO PRINCIPAL (100)

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST **11/35**

ARQUIVO: 029-23-28-CEI DULCE-EST-PE-111-DETALHAMENTO PILARES FUNDAÇÃO-R01.dwg