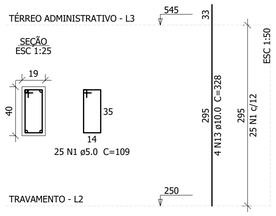
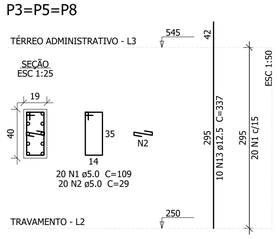
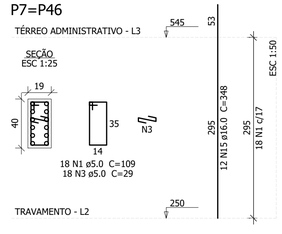
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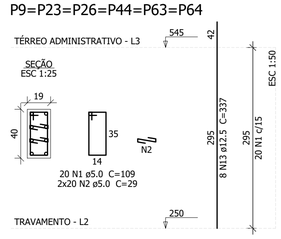
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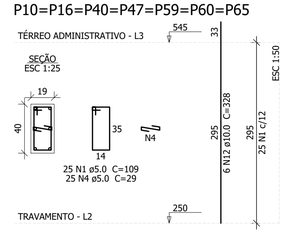
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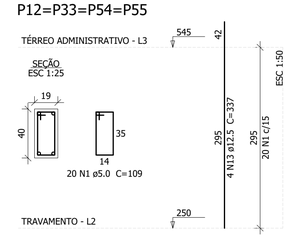
P9=P23=P26=P44=P63=P64



P10=P16=P40=P47=P59=P60=P65



P12=P33=P54=P55



Relação do aço

23xP1	3xP3	2xP7
6xP9	7xP10	4xP12
2xP13	3xP15	P18
2xP20	P21	P22
P24	P27	P36
P37	P43	P45
P48	P50	P52
P53	P56	P57
P58		

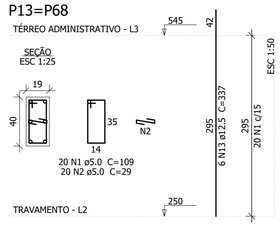
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1284	109	139956
	2	5.0	388	29	11252
	3	5.0	110	29	3190
	4	5.0	225	29	6525
	5	5.0	118	121	14278
	6	5.0	52	35	1820
	7	5.0	43	35	1505
	8	5.0	25	71	1775
	9	5.0	25	159	3975
	10	5.0	23	131	3013
CA50	11	8.0	14	122	1708
	12	8.0	14	38	532
	13	10.0	158	328	51824
	14	12.5	160	337	53920
	15	12.5	10	VAR	VAR
	16	16.0	72	348	25056
	17	16.0	26	VAR	VAR

Resumo do aço

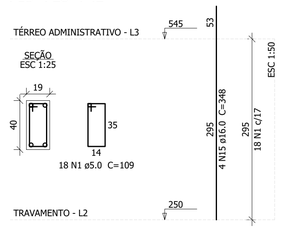
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	8.0	22.4	2	8.8
	10.0	518.3	44	319.5
	12.5	556.6	47	536.2
	16.0	298.4	25	471
CA60	5.0	1872.9	-	288.7
PESO TOTAL (kg)				
CA50	1335.5			
CA60	288.7			

Volume de concreto (C-30) = 15.21 m³
Área de forma = 231.3 m²

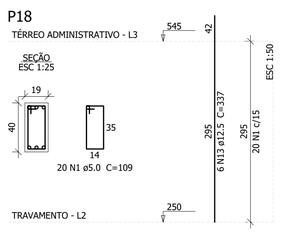
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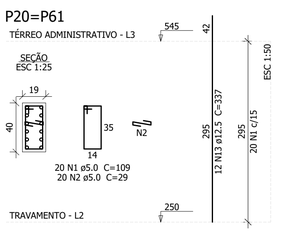
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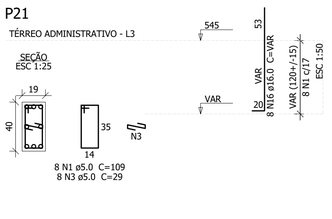
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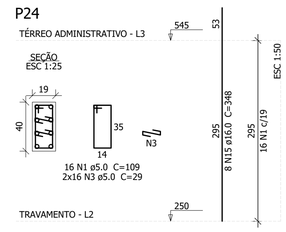
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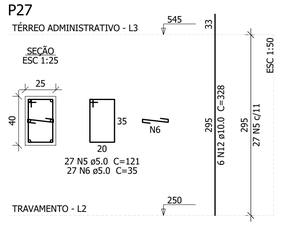
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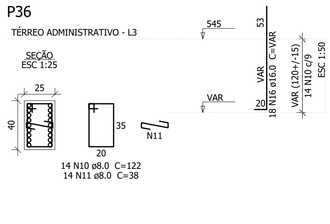
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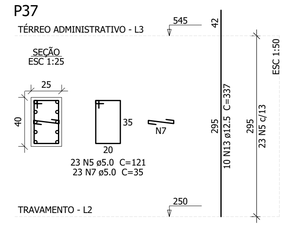
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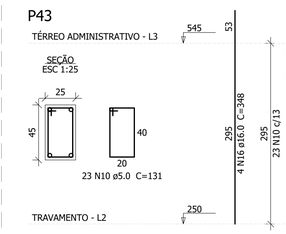
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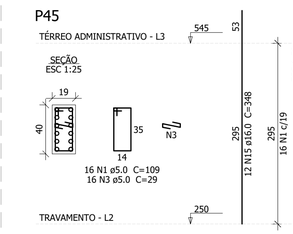
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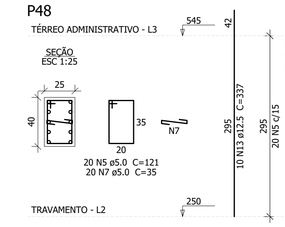
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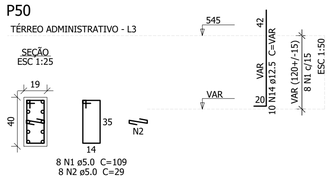
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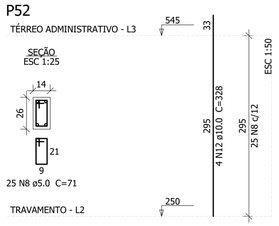
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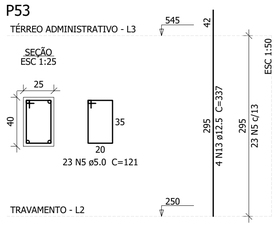
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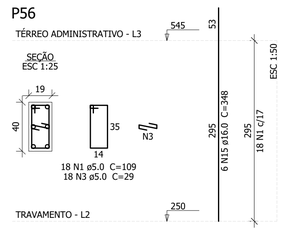
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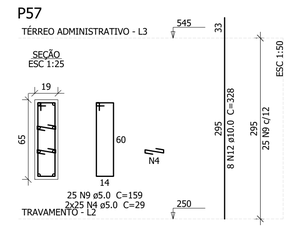
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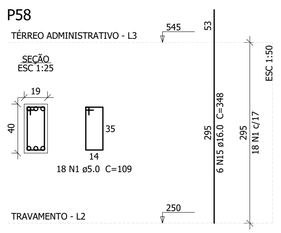
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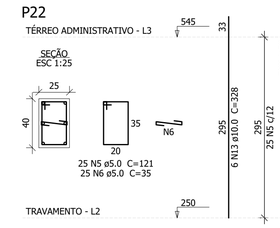
P57



P58



P22



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 15:25:59 -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 TÉRREO
EDIFICAÇÃO PRINCIPAL (100)

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST **20/35**

ARQUIVO: 029-23-28-CEI DULCE-EST-PE-120-DETALHAMENTO PILARES TERREO-R01.dwg