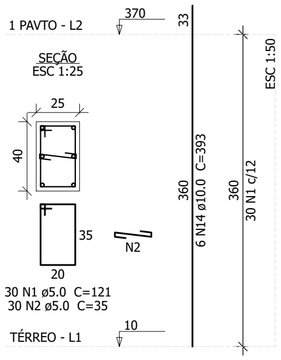
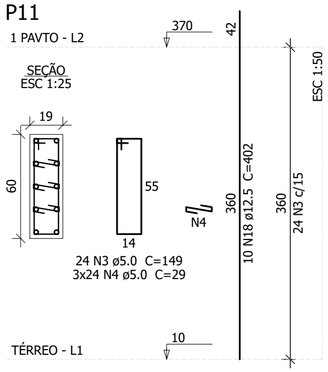
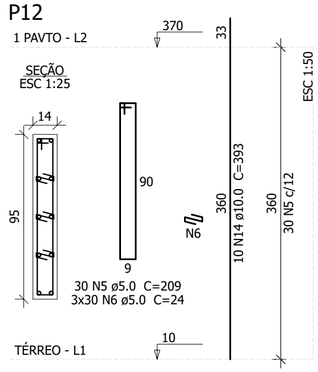
P1=P2=P3=P4=P5=P7= =P8=P10



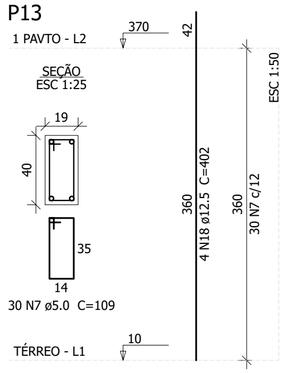
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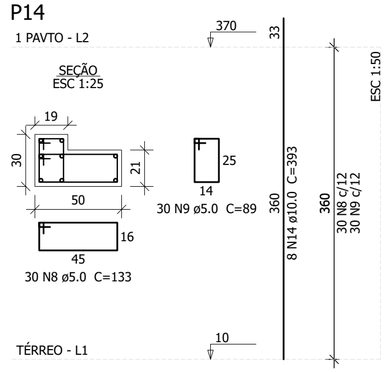
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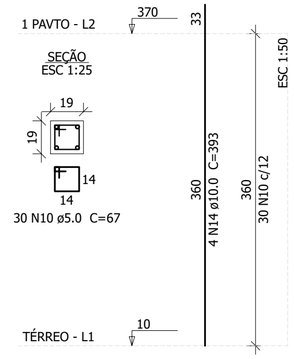
P13



P14



P15=P16=P22=P23



Relação do aço

8xP1	P11	P12
P13	P14	4xP15
P17	2xP18	2xP19
P20	P25	P26
P29	2xP30	14xPM1
3xPM6	PM16	7xPM19
PM23	PM24	2xPM25
2xPM26		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	240	121	29040
	2	5.0	240	35	8400
	3	5.0	48	149	7152
	4	5.0	168	29	4872
	5	5.0	30	209	6270
	6	5.0	150	24	3600
	7	5.0	30	109	3270
	8	5.0	30	133	3990
	9	5.0	77	89	6853
	10	5.0	545	67	36515
	11	5.0	242	99	23958
	12	5.0	260	24	6240
	13	5.0	26	139	3614
CA50	14	10.0	94	393	36942
	15	10.0	60	167	10020
	16	10.0	48	177	8496
	17	10.0	4	172	688
	18	12.5	82	402	32964
	19	12.5	18	357	6426
	20	12.5	2	84	168
	21	12.5	12	167	2004

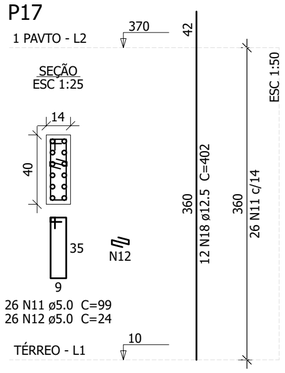
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	10.0	561.5	47	346.2
	12.5	415.7	35	400.4
CA60	5.0	1437.8	-	221.6

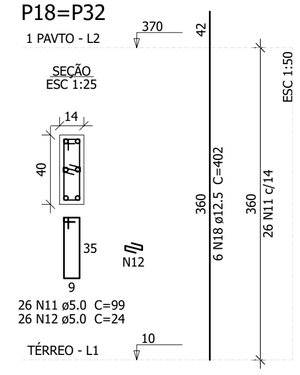
PESO TOTAL (kg)	
CA50	746.5
CA60	221.6

Volume de concreto (C-30) = 9.59 m³
Área de forma = 160.09 m²

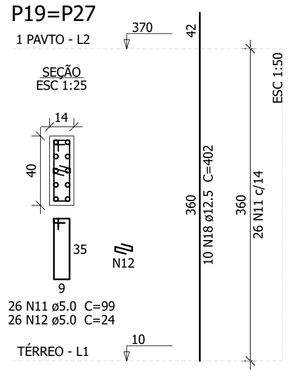
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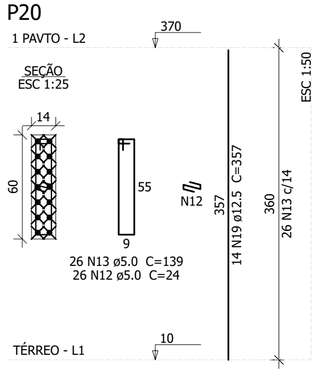
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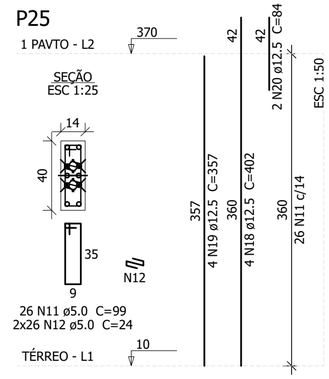
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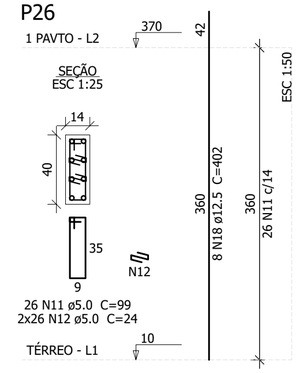
P20



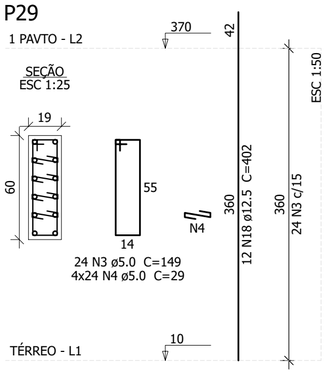
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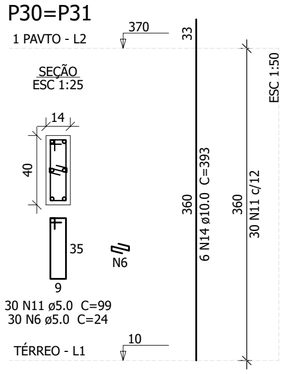
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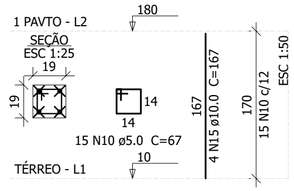
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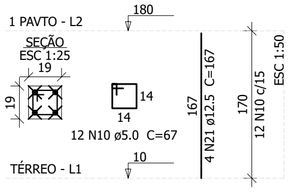
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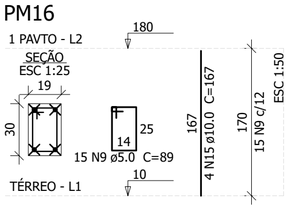
PM1=PM2=PM3=PM4=PM5= =PM7=PM8=PM9=PM11= =PM13=PM14=PM15=PM17= =PM18



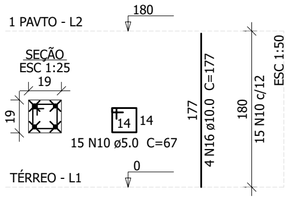
PM6=PM10=PM12



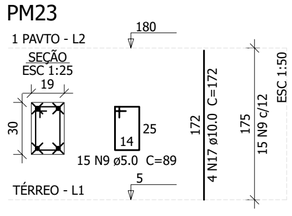
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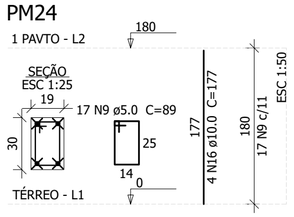
PM19=PM20=PM21=PM22= =PM27=PM28=PM31



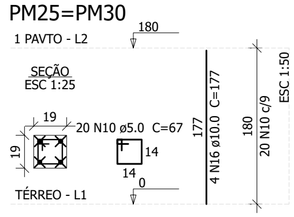
PM23



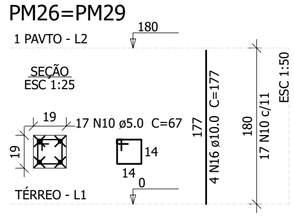
PM24



PM25=PM30



PM26=PM29



Nº	DESCRIÇÃO	DATA
R00	EMISSÃO INICIAL	27/09/2024

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 16:30:41 -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 PILARES 1° PAVIMENTO

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: **EST 14/26**

ARQUIVO: 029-23-25-BOMBEIROS-EST-PE-014-1PAV-ARM-R00.dwg