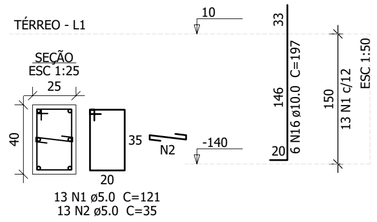
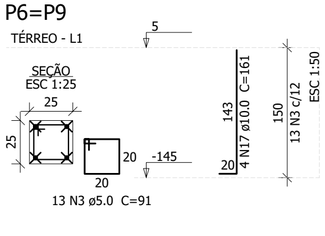
P1=P2=P3=P4=P5=P7=P8=P10



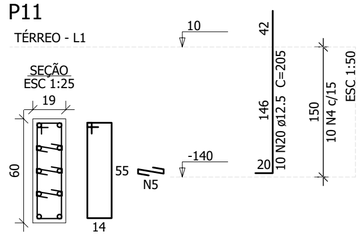
13 N1 ø5.0 C=121
13 N2 ø5.0 C=35

P6=P9



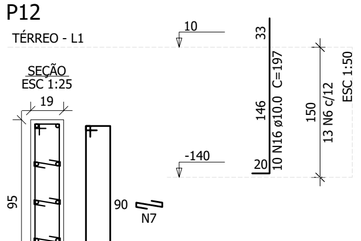
13 N3 ø5.0 C=91

P11



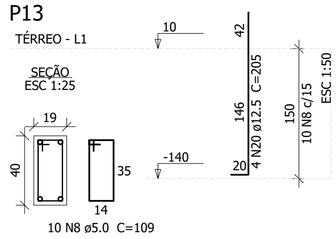
10 N4 ø5.0 C=149
3x10 N5 ø5.0 C=29

P12



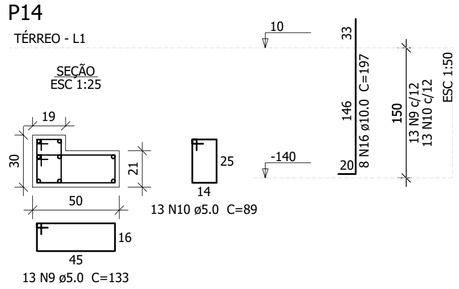
13 N6 ø5.0 C=219
3x13 N7 ø5.0 C=29

P13



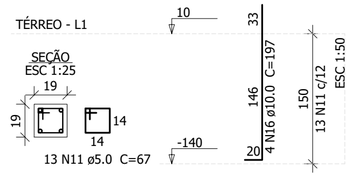
10 N8 ø5.0 C=109

P14



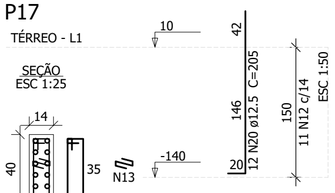
13 N10 ø5.0 C=89
13 N9 ø5.0 C=133

P15=P16=P22=P23=PM1= =PM3=PM4=PM7=PM8=PM9= =PM11=PM13=PM14=PM15= =PM17=PM18



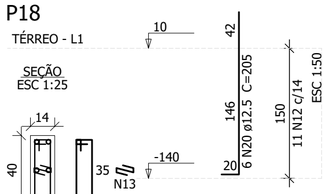
13 N11 ø5.0 C=67

P17



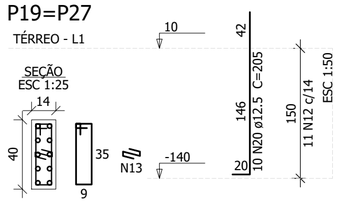
11 N12 ø5.0 C=99
11 N13 ø5.0 C=24

P18



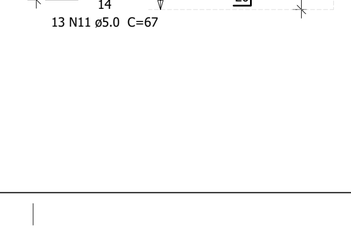
11 N12 ø5.0 C=99
11 N13 ø5.0 C=24

P19=P27



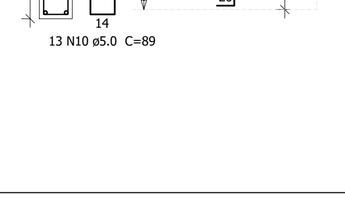
11 N12 ø5.0 C=99
11 N13 ø5.0 C=24

P20



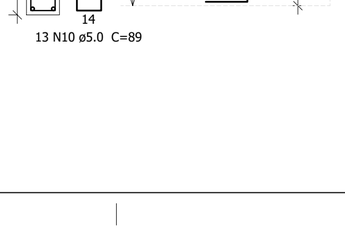
11 N14 ø5.0 C=139
11 N13 ø5.0 C=24

P21=P24=P28



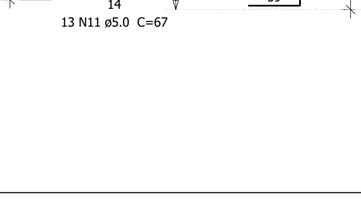
13 N12 ø5.0 C=99
13 N15 ø5.0 C=24

P25=P26



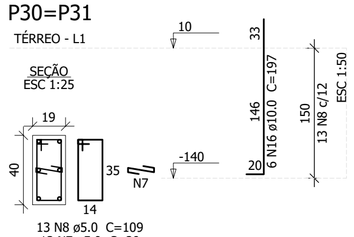
11 N12 ø5.0 C=99
2x11 N13 ø5.0 C=24

P29



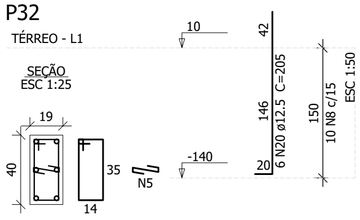
10 N4 ø5.0 C=149
4x10 N5 ø5.0 C=29

P30=P31



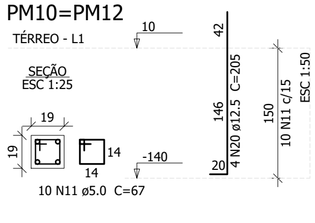
13 N8 ø5.0 C=109
13 N7 ø5.0 C=29

P32



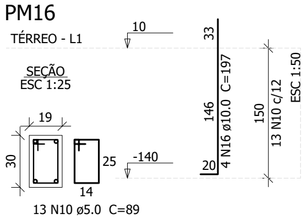
10 N8 ø5.0 C=109
10 N5 ø5.0 C=29

PM10=PM12



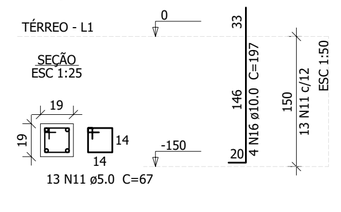
10 N11 ø5.0 C=67

PM16



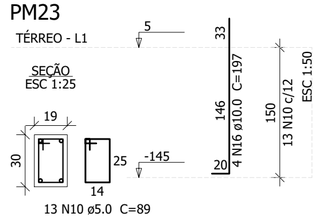
13 N10 ø5.0 C=89

PM20=PM21=PM22



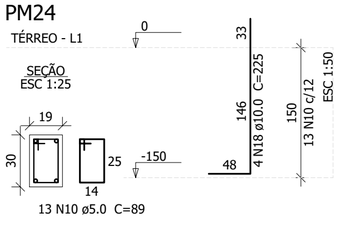
13 N11 ø5.0 C=67

PM23



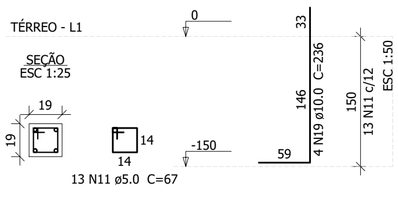
13 N10 ø5.0 C=89

PM24



13 N10 ø5.0 C=89

PM25=PM26=PM27=PM28= =PM29=PM30=PM31



13 N11 ø5.0 C=67

Relação do aço

8xP1	2xP6	P11
P12	P13	P14
16xP15	P17	P18
2xP19	P20	3xP21
2xP25	P29	2xP30
P32	2xPM10	PM16
3xPM20	PM23	PM24
7xPM25		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	104	121	12584
	2	5.0	104	35	3640
	3	5.0	26	91	2366
	4	5.0	20	149	2980
	5	5.0	80	29	2320
	6	5.0	13	219	2847
	7	5.0	65	29	1885
	8	5.0	46	109	5014
	9	5.0	13	133	1729
	10	5.0	52	89	4628
	11	5.0	358	67	23986
	12	5.0	105	99	10395
	13	5.0	99	24	2376
	14	5.0	11	139	1529
	15	5.0	39	24	936
CA50	16	10.0	162	197	31914
	17	10.0	26	161	4186
	18	10.0	4	225	900
	19	10.0	28	236	6608
	20	12.5	108	205	22140

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	10.0	436.1	37	268.9
	12.5	221.4	19	213.3
CA60	5.0	792.2	-	122.1

PESO TOTAL (kg)	
CA50	482.1
CA60	122.1

Volume de concreto (C-30) = 3.96 m³
Área de forma = 66.83 m²

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 16:33:06 -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 ARRANQUES

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST 09/26

ARQUIVO: 029-23-25-BOMBEIROS-EST-PE-009-TERR-ARM-R00.dwg