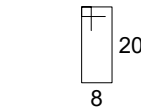
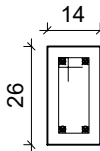


P1=P11=P14=P21=P29

COBERTURA - L3

ESC 1:20



35 N1 ø5.0 C=68

409
4 N5 ø10.0 C=409

412
35 N1 c/12

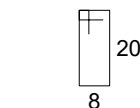
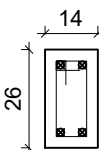
ESC 1:25

300

P28

COBERTURA - L3

ESC 1:20



30 N1 ø5.0 C=68

409
4 N10 ø12.5 C=409

412
30 N1 c/14

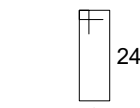
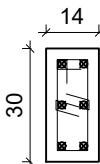
ESC 1:25

300

P30

COBERTURA - L3

ESC 1:20



30 N2 ø5.0 C=76
30 N4 ø5.0 C=23

409
6 N10 ø12.5 C=409

412
30 N2 c/14

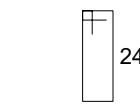
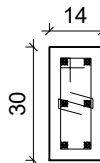
ESC 1:25

300

P15

COBERTURA - L3

ESC 1:20



35 N2 ø5.0 C=76
35 N3 ø5.0 C=23

409
6 N5 ø10.0 C=409

412
35 N2 c/12

ESC 1:25

300

Relação do aço

5xP1
2xP16
2xP31

12xP3
P28

P15
P30

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	609	68	41412
	2	5.0	65	76	4940
	3	5.0	35	23	805
	4	5.0	30	23	690
CA50	5	10.0	26	409	10634
	6	10.0	60	289	17340
	7	10.0	4	318	1272
	8	10.0	4	150	600
	9	10.0	4	359	1436
	10	12.5	10	409	4090

Resumo do aço

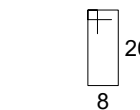
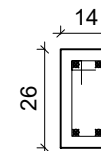
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	312.9	193.1
	12.5	40.9	39.4
CA60	5.0	478.5	73.7
PESO TOTAL + 10% (kg)			PESO TOTAL (kg)
CA50	255.7		CA50 232.5
CA60	81.1		CA60 73.7

Volume de concreto (C-25) = 2.97 m³
Área de forma = 64.87 m²

P3=P5=P7=P9=P13=P17=P18=P19=P22=P23=P24=P25

COBERTURA - L3

ESC 1:20



25 N1 ø5.0 C=68

289
4 N6 ø10.0 C=289

292
25 N1 c/12

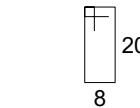
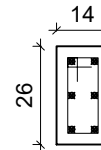
ESC 1:25

300

P16=P20

COBERTURA - L3

ESC 1:20



25 N1 ø5.0 C=68

289
6 N6 ø10.0 C=289

292
25 N1 c/12

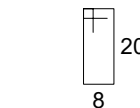
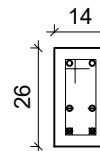
ESC 1:25

300

P31=P32

COBERTURA - L3

ESC 1:20



27 N1 ø5.0 C=68

318
2 N7 ø10.0 C=318

38
2 N8 ø10.0 C=150

321
2 N9 ø10.0 C=359

321
27 N1 c/12

ESC 1:25

300

Obra **PROJETO DE CONSTRUÇÃO DE NÚCLEO DE SERVIÇOS DA
PREFEITURA MUNICIPAL DE SÃO PEDRO DA UNIÃO**
RUA VEREDADOR JORGE JOSÉ, Nº 13, NOVA SÃO PEDRO, SÃO PEDRO DA UNIÃO - MG

Responsável
Técnico

Higor Augusto Sabag de Paulo
Eng. Civil - CREA MG-238.615/D

Proprietário

Município de São Pedro da União
CNPJ 18.666.172/0001-64

Projeto **ESTRUTURA DE CONCRETO ARMADO**

Descrição

PILARES SUPERIORES

Observações

ART: MG20231923160

Folha

12

Conj.

2

Fia./Conj.

17

Data

30/01/2023

Escala

INDICADAS

Desenho

Higor Sabag

Conferência

Higor Sabag