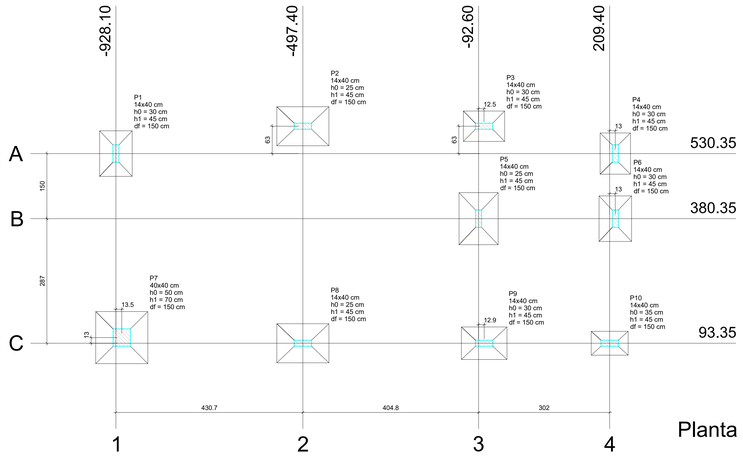



Planta de locação

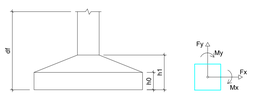
escala 1:50

**Pilar**

| Nome | Seção (cm) | X (cm) | Y (cm) | Carga Máx. (tf) | Carga Mín. (tf) | Mx (kgf.m) | My (kgf.m) | Fx (tf) | Fy (tf) |
|---|---|---|---|---|---|---|---|---|---|
| P1 | 14x40 | -928.10 | 530.35 | 5.2 | 4.3 | 500 | 100 | 0.1 | 0.2 |
| P2 | 14x40 | -497.40 | 593.35 | 6.3 | 5.5 | 500 | 200 | 0.3 | 0.4 |
| P3 | 14x40 | -80.10 | 593.35 | 4.3 | 3.3 | 200 | 200 | 0.2 | 0.2 |
| P4 | 14x40 | 222.40 | 530.35 | 3.5 | 1.2 | 500 | 100 | 0.1 | 0.4 |
| P5 | 14x40 | -92.60 | 380.35 | 5.9 | 4.9 | 600 | 200 | 0.4 | 0.5 |
| P6 | 14x40 | 222.40 | 380.35 | 4.4 | 2.4 | 700 | 200 | 0.4 | 0.6 |
| P7 | 40x40 | -914.60 | 106.35 | 7.8 | 6.3 | 1100 | 600 | 0.5 | 0.6 |
| P8 | 14x40 | -497.40 | 93.35 | 7.3 | 6.4 | 500 | 200 | 0.1 | 0.4 |
| P9 | 14x40 | -79.70 | 93.35 | 5.6 | 4.8 | 200 | 300 | 0.2 | 0.2 |
| P10 | 14x40 | 209.40 | 93.35 | 2.9 | 2.2 | 200 | 200 | 0.4 | 0.2 |

**Fundação**

| Lado B (cm) | Lado H (cm) | h1 / hb (cm) | df (cm) |
|---|---|---|---|
| 75 | 105 | 30 | 45 | 150 |
| 70 | 120 | 25 | 45 | 150 |
| 70 | 95 | 30 | 45 | 150 |
| 70 | 95 | 30 | 45 | 150 |
| 90 | 120 | 25 | 45 | 150 |
| 75 | 105 | 30 | 45 | 150 |
| 120 | 120 | 50 | 70 | 150 |
| 90 | 120 | 25 | 45 | 150 |
| 75 | 105 | 30 | 45 | 150 |
| 55 | 85 | 35 | 45 | 150 |

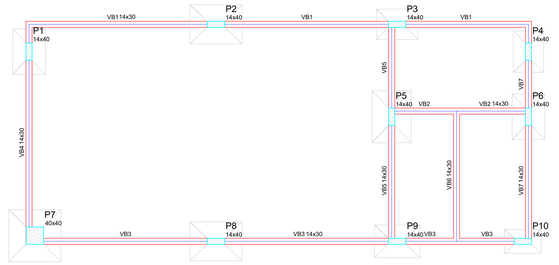



**Locação no eixo X**

| Coordenadas (cm) | Nome |
|---|---|
| -928.10 | P1 |
| -914.60 | P7 |
| -497.40 | P2, P8 |
| -92.60 | P5 |
| -80.10 | P3 |
| -79.70 | P9 |
| 209.40 | P10 |
| 222.40 | P4, P6 |

**Locação no eixo Y**

| Coordenadas (cm) | Nome |
|---|---|
| 593.35 | P2, P3 |
| 530.35 | P1, P4 |
| 380.35 | P5, P6 |
| 106.35 | P7 |
| 93.35 | P8, P9, P10 |




Forma do pavimento FUNDAÇAO

escala 1:50

**Vigas**

| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|---|---|---|---|
| VB1 | 14x30 | 0 | 0 |
| VB2 | 14x30 | 0 | 0 |
| VB3 | 14x30 | 0 | 0 |
| VB4 | 14x30 | 0 | 0 |
| VB5 | 14x30 | 0 | 0 |
| VB6 | 14x30 | 0 | 0 |
| VB7 | 14x30 | 0 | 0 |

**Caracteristicas dos materiais**

| fck (kgf/cm²) | Ecs (kgf/cm²) |
|---|---|
| 250 | 212874 |

Dimensão máxima do agregado = 19 mm

**Pilares**

| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|---|---|---|---|
| P1 | 14 x 40 | 0 | 0 |
| P2 | 14 x 40 | 0 | 0 |
| P3 | 14 x 40 | 0 | 0 |
| P4 | 14 x 40 | 0 | 0 |
| P5 | 14 x 40 | 0 | 0 |
| P6 | 14 x 40 | 0 | 0 |
| P7 | 40 x 40 | 0 | 0 |
| P8 | 14 x 40 | 0 | 0 |
| P9 | 14 x 40 | 0 | 0 |
| P10 | 14 x 40 | 0 | 0 |

Legenda dos Pilares

- Pilar que morre
- Pilar que passa
- Pilar que nasce
- Pilar com mudança de seção

## Relação do aço

FUNDAÇAO: 3x51, S7, S10, VB2, VB4, VB6, 7xP7, P7, 2x54, S8, VB1, VB3, VB5, VB7, 2xP2

TERREO:

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 314 | 96 | 30144 |
| | 2 | 5.0 | 252 | 23 | 5796 |
| | 3 | 5.0 | 124 | 23 | 2852 |
| | 4 | 5.0 | 33 | 148 | 4884 |
| | 5 | 5.0 | 2 | 226 | 452 |
| | 6 | 5.0 | 273 | 76 | 20748 |
| CA50 | 7 | 8.0 | 39 | 113 | 4407 |
| | 8 | 8.0 | 18 | 143 | 2574 |
| | 9 | 8.0 | 27 | 148 | 3996 |
| | 10 | 8.0 | 20 | 108 | 2160 |
| | 11 | 8.0 | 12 | 133 | 1596 |
| | 12 | 8.0 | 10 | 103 | 1030 |
| | 13 | 8.0 | 6 | 133 | 798 |
| | 14 | 8.0 | 2 | 1159 | 2318 |
| | 15 | 8.0 | 2 | 89 | 178 |
| | 16 | 8.0 | 1 | 195 | 195 |
| | 17 | 8.0 | 2 | 904 | 1808 |
| | 18 | 8.0 | 2 | 323 | 646 |
| | 19 | 8.0 | 2 | 363 | 726 |
| | 20 | 8.0 | 4 | 1158 | 4632 |
| | 21 | 8.0 | 6 | 516 | 3096 |
| | 22 | 8.0 | 2 | 530 | 1060 |
| | 23 | 8.0 | 2 | 548 | 1096 |
| | 24 | 8.0 | 2 | 308 | 616 |
| | 25 | 8.0 | 2 | 348 | 696 |
| | 26 | 8.0 | 2 | 550 | 1100 |
| | 27 | 10.0 | 42 | VAR | VAR |
| | 28 | 10.0 | 33 | 117 | 3861 |
| | 29 | 10.0 | 42 | 267 | 11214 |
| | 30 | 12.5 | 16 | VAR | VAR |
| | 31 | 12.5 | 22 | 196 | 4312 |
| | 32 | 12.5 | 16 | 267 | 4272 |
| | 33 | 16.0 | 4 | VAR | VAR |
| | 34 | 16.0 | 4 | 267 | 1068 |

## Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 8.0 | 347.3 | 150.7 |
| | 10.0 | 238.6 | 161.8 |
| | 12.5 | 120.9 | 128.1 |
| | 16.0 | 20 | 34.7 |
| CA60 | 5.0 | 648.8 | 110 |

PESO TOTAL (kg)

| | |
|---|---|
| CA50 | 475.3 |
| CA60 | 110 |

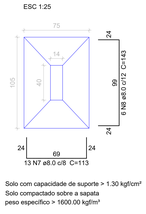
Volume de concreto (C-20) = 8.17 m³

Área de forma = 92.69 m²

## S1=S6=S9

PLANTA ESC 1:25

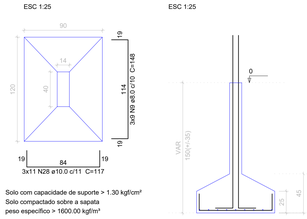
CORTE ESC 1:25



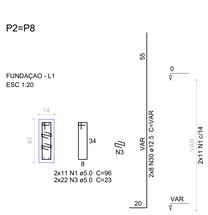

## S2=S5=S8

PLANTA ESC 1:25

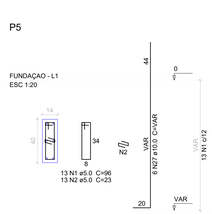
CORTE ESC 1:25




## P2=P8



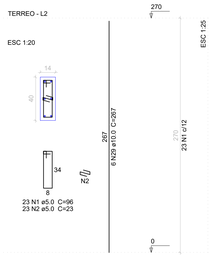

## P5

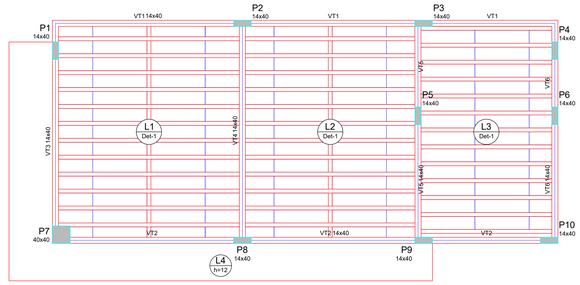



## P1=P3=P4=P5=P6=P9=P10

TERREO - L2

ESC 1:20



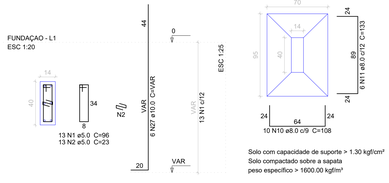

Forma do pavimento TERREO

escala 1:50

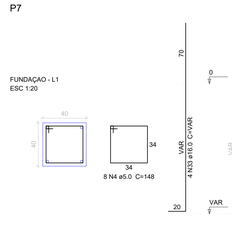
## S3=S4

PLANTA ESC 1:25

CORTE ESC 1:25



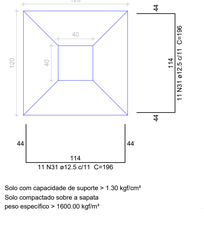

## P7




## S7

PLANTA ESC 1:25

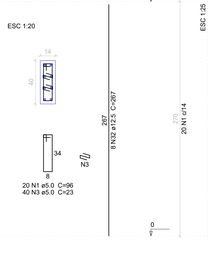
CORTE ESC 1:25




## P2=P8

TERREO - L2

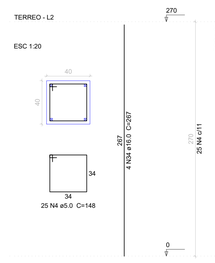
ESC 1:20




## P7

TERREO - L2

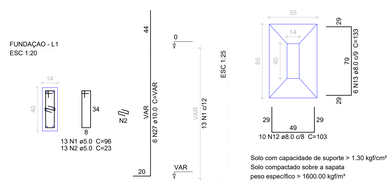
ESC 1:20




## S10

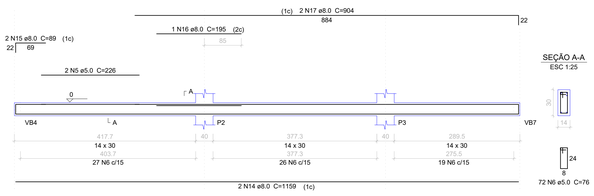
PLANTA ESC 1:25

CORTE ESC 1:25




## VB1

ESC 1:50

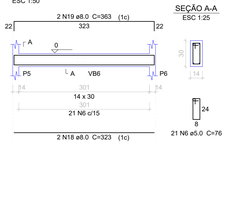



SEÇÃO A-A ESC 1:25




## VB2

ESC 1:50

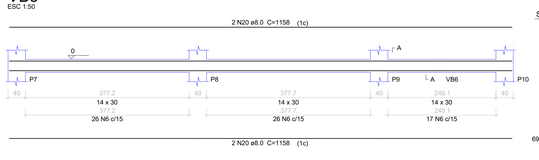



SEÇÃO A-A ESC 1:25




## VB3

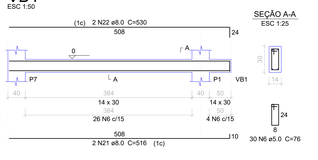
ESC 1:50




SEÇÃO A-A ESC 1:25

## VB4

ESC 1:50

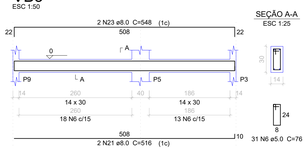



SEÇÃO A-A ESC 1:25




## VB5

ESC 1:50

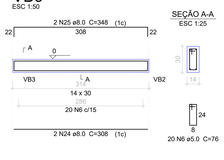



SEÇÃO A-A ESC 1:25




## VB6

ESC 1:50

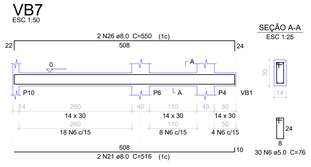



SEÇÃO A-A ESC 1:25




## VB7

ESC 1:50




SEÇÃO A-A ESC 1:25




**Vigas**

| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|---|---|---|---|
| VT1 | 14x40 | 0 | 270 |
| VT2 | 14x40 | 0 | 270 |
| VT3 | 14x40 | 0 | 270 |
| VT4 | 14x40 | 0 | 270 |
| VT5 | 14x40 | 0 | 270 |
| VT6 | 14x40 | 0 | 270 |

**Blocos de enchimento**

| Detalhe | Tipo | Nome | Dimensões(cm) | | | Quantidade |
|---|---|---|---|---|---|---|
| | | | hb | bx | by | |
| 1 | EPS Unidirecional | B8/30/125 | 8 | 30 | 125 | 140 |

**Lajes**

| Nome | Tipo | Altura (cm) | Elevação (cm) | Nível (cm) | Peso próprio (kgf/m²) | Sobrecarga (kgf/m²) Adicional | Acidental | Localizada |
|---|---|---|---|---|---|---|---|---|
| L1 | Treliçada 1D | 12 | 0 | 270 | 151 | 50 | 50 | - |
| L2 | Treliçada 1D | 12 | 0 | 270 | 151 | 50 | 50 | - |
| L3 | Treliçada 1D | 12 | 0 | 270 | 147 | 50 | 50 | - |
| L4 | Maciça | 12 | 0 | 270 | 300 | 50 | 50 | - |

**Caracteristicas dos materiais**

| fck (kgf/cm²) | Ecs (kgf/cm²) |
|---|---|
| 200 | 212874 |

Dimensão máxima do agregado = 19 mm

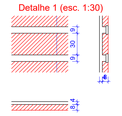
**Pilares**

| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|---|---|---|---|
| P1 | 14 x 40 | 0 | 270 |
| P2 | 14 x 40 | 0 | 270 |
| P3 | 14 x 40 | 0 | 270 |
| P4 | 14 x 40 | 0 | 270 |
| P5 | 14 x 40 | 0 | 270 |
| P6 | 14 x 40 | 0 | 270 |
| P7 | 40 x 40 | 0 | 270 |
| P8 | 14 x 40 | 0 | 270 |
| P9 | 14 x 40 | 0 | 270 |
| P10 | 14 x 40 | 0 | 270 |

Legenda dos Pilares

- Pilar que morre
- Pilar que passa
- Pilar que nasce
- Pilar com mudança de seção

Detalhe 1 (esc. 1:30)




Nº PROTOCOLO:

PREFEITURA DE APARECIDA
Fazendo cada vez mais

# ESTRUTURAL - RECEPÇÃO

## UBS SANTA LUZIA

ENDEREÇO: AVENIDA W4 COM W5, LOTE I6, I7 E I8 - SETOR JARDIM OLÍMPICO
APARECIDA DE GOIÂNIA - GOIÁS

PROPRIETÁRIO: FUNDO MUNICIPAL DE SAÚDE DE APARECIDA DE GOIÂNIA - CNPJ:11.809.185/0001-04

AUTOR DO PROJETO.: ARQUITETO - RENATO RIBEIRO LIMA - CAU A9567-0

| ÁREA TERRENO | INDICE PAISAGÍSTICO | POÇO DE INFILTRAÇÃO | ÁREA TOTAL CONSTRUÇÃO | PAVIMENTOS | ESCALA | DATA |
|---|---|---|---|---|---|---|
| 999,57 m² | 0,00 m² | 0,00 m³ | 498,80 m² | 01 | INDICADA | JAN./2020 |

SECRETARIA MUNICIPAL DE SAÚDE APARECIDA DE GOIÂNIA

CONTEÚDO:
PLANTA DE LOCAÇÃO
PLANTA DE FORMA
DETALHES
LISTA MATERIAIS
NOTAS
LEGENDA

PRANCHA: 1/2