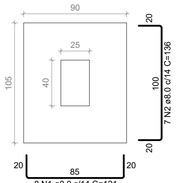
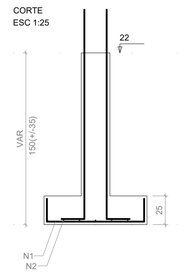
## S1=S2=S9=S12=S15=S46=S47

PLANTA
ESC 1:25




CORTE
ESC 1:25

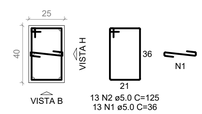



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

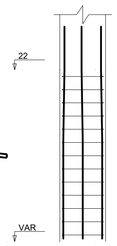
## P1=P2=P9=P12=P15=P46=P47

FUNDAÇÃO - L1

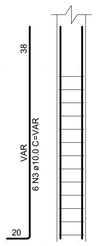
SEÇÃO
ESC 1:20




VISTA H
ESC 1:25

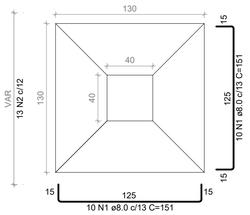



VISTA B
ESC 1:25

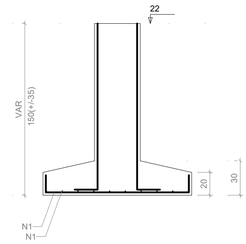



## S4

PLANTA
ESC 1:25




CORTE
ESC 1:25

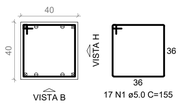



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

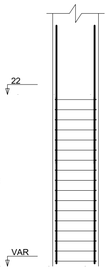
## P4

FUNDAÇÃO - L1

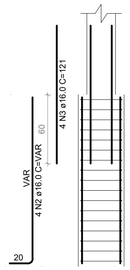
SEÇÃO
ESC 1:20




VISTA H
ESC 1:25




VISTA B
ESC 1:25




### RELAÇÃO DO AÇO

| ELEMENTO | AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|---|
| 7xP1 | CA60 | 1 | 5.0 | 91 | 36 | 3276 |
| | CA60 | 2 | 5.0 | 91 | 125 | 11375 |
| P4 | CA50 | 3 | 10.0 | 42 | VAR | VAR |
| | CA60 | 1 | 5.0 | 17 | 155 | 2635 |
| | CA50 | 2 | 16.0 | 4 | VAR | VAR |
| 4xP5 | CA50 | 3 | 16.0 | 4 | 121 | 484 |
| | CA60 | 1 | 5.0 | 52 | 26 | 1352 |
| P7 | CA60 | 2 | 5.0 | 52 | 105 | 5460 |
| | CA50 | 3 | 10.0 | 24 | VAR | VAR |
| | CA60 | 1 | 5.0 | 13 | 26 | 338 |
| P8 | CA60 | 2 | 5.0 | 13 | 105 | 1365 |
| | CA50 | 3 | 10.0 | 6 | VAR | VAR |
| P10 | CA60 | 1 | 5.0 | 13 | 26 | 338 |
| | CA60 | 2 | 5.0 | 13 | 105 | 1365 |
| P13 | CA50 | 3 | 10.0 | 6 | VAR | VAR |
| | CA60 | 1 | 5.0 | 13 | 36 | 468 |
| | CA60 | 2 | 5.0 | 13 | 125 | 1625 |
| | CA50 | 3 | 10.0 | 6 | VAR | VAR |
| S4 | CA60 | 1 | 5.0 | 20 | 36 | 720 |
| S7 | CA60 | 2 | 5.0 | 10 | 125 | 1250 |
| | CA50 | 3 | 12.5 | 10 | VAR | VAR |
| | CA50 | 4 | 12.5 | 6 | VAR | VAR |
| S4 | CA50 | 1 | 8.0 | 20 | 151 | 3020 |
| S7 | CA50 | 1 | 8.0 | 4 | 101 | 404 |
| | CA50 | 2 | 8.0 | 7 | 76 | 532 |
| S8 | CA50 | 1 | 8.0 | 7 | 131 | 917 |
| | CA50 | 2 | 8.0 | 11 | 101 | 1111 |
| S10 | CA50 | 1 | 8.0 | 13 | 151 | 1963 |
| | CA50 | 2 | 8.0 | 11 | 166 | 1826 |
| 7xS12 | CA50 | 1 | 8.0 | 56 | 121 | 6776 |
| | CA50 | 2 | 8.0 | 49 | 136 | 6664 |
| S13 | CA50 | 1 | 16.0 | 13 | 288 | 3744 |
| | CA50 | 2 | 16.0 | 11 | 298 | 3278 |
| 4xS33 | CA50 | 1 | 8.0 | 32 | 116 | 3712 |
| | CA50 | 2 | 8.0 | 24 | 141 | 3384 |

### RESUMO DO AÇO

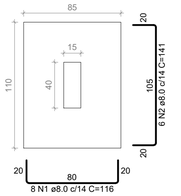
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|---|---|---|---|
| CA50 | 8.0 | 303.1 | 131.6 |
| | 10.0 | 175 | 118.7 |
| | 12.5 | 50.5 | 53.5 |
| | 16.0 | 81.5 | 141.5 |
| CA60 | 5.0 | 315.7 | 53.5 |

| PESO TOTAL (kg) | |
|---|---|
| CA50 | 445.2 |
| CA60 | 53.5 |

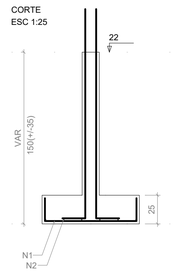
Volume de concreto (C-25) = 8.74 m³
Área de forma = 49.84 m²

## S5=S33=S34=S42

PLANTA
ESC 1:25




CORTE
ESC 1:25

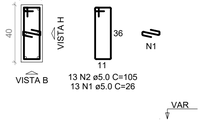



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

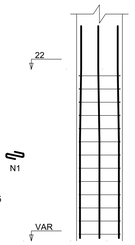
## P5=P33=P34=P42

FUNDAÇÃO - L1

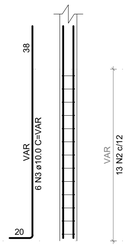
SEÇÃO
ESC 1:20




VISTA H
ESC 1:25

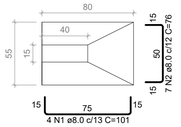



VISTA B
ESC 1:25



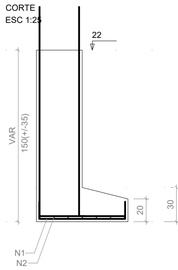

## S7

PLANTA
ESC 1:25




Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

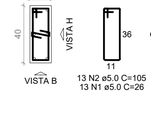
CORTE
ESC 1:25



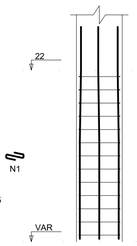

## P7

FUNDAÇÃO - L1

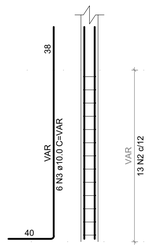
SEÇÃO
ESC 1:20




VISTA H
ESC 1:25




VISTA B
ESC 1:25



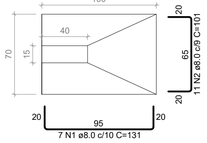

## P8

VISTA H
ESC 1:25

VISTA B
ESC 1:25

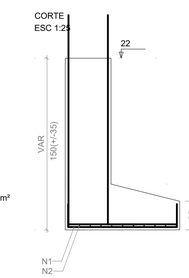
## S8

PLANTA
ESC 1:25



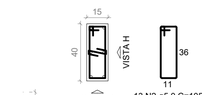

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

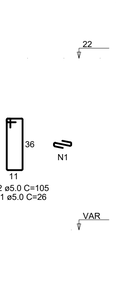
CORTE
ESC 1:25

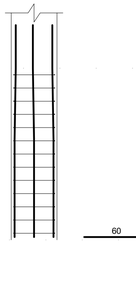



FUNDAÇÃO - L1

SEÇÃO
ESC 1:20

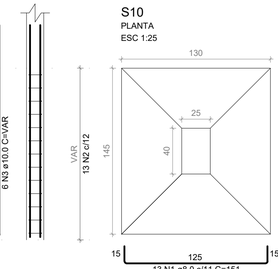


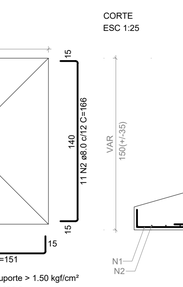




## S10

PLANTA
ESC 1:25




CORTE
ESC 1:25




Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

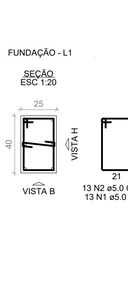
## P10

FUNDAÇÃO - L1

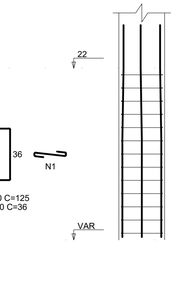
SEÇÃO
ESC 1:20




VISTA H
ESC 1:25

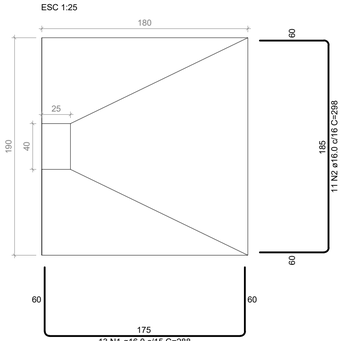



VISTA B
ESC 1:25



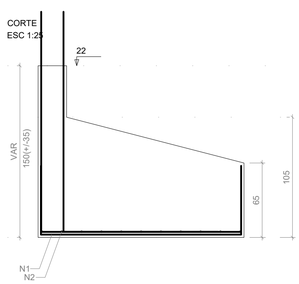

## S13

PLANTA
ESC 1:25




Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

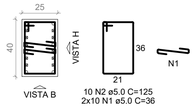
CORTE
ESC 1:25



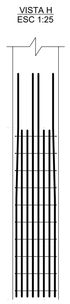

## P13

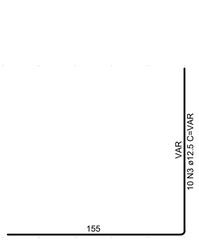
FUNDAÇÃO - L1

SEÇÃO
ESC 1:20

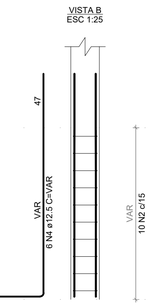



VISTA H
ESC 1:25




VISTA B
ESC 1:25





PREFEITURA MUNICIPAL DE MURIAÉ
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS


**PROJETO ESTRUTURAL**

PROJETO DE SAPATAS 1-5

PREFEITURA DE MURIAÉ / CNPJ: 17.947.581/0001-76
MARCOS GUARINO DE OLIVEIRA

SECRETÁRIO DE OBRAS PÚBLICAS:
JORGE FERES FILHO

R. T. PROJETO:
ARLAN DO CARMO MENDONÇA
ENGº CIVIL - CREA MG 177324/D

DESCRIÇÃO:
PROJETO ESTRUTURAL PARA CONSTRUÇÃO DE UMA UBS NO BAIRRO INCONFIDENCIA

LOCAL:
RUA CLAUDIO MANOEL DA COSTA,ESQUINA COM A RUA ALVARENGA PEIXOTO -B.INCONFIDENCIA - MURIAÉ - MG

ARQUIVO: PROJ.ESTRUTURAL UBS INCONFIDENCIA ..DWG

ESC: INDICADAS

FOLHA: 06/34