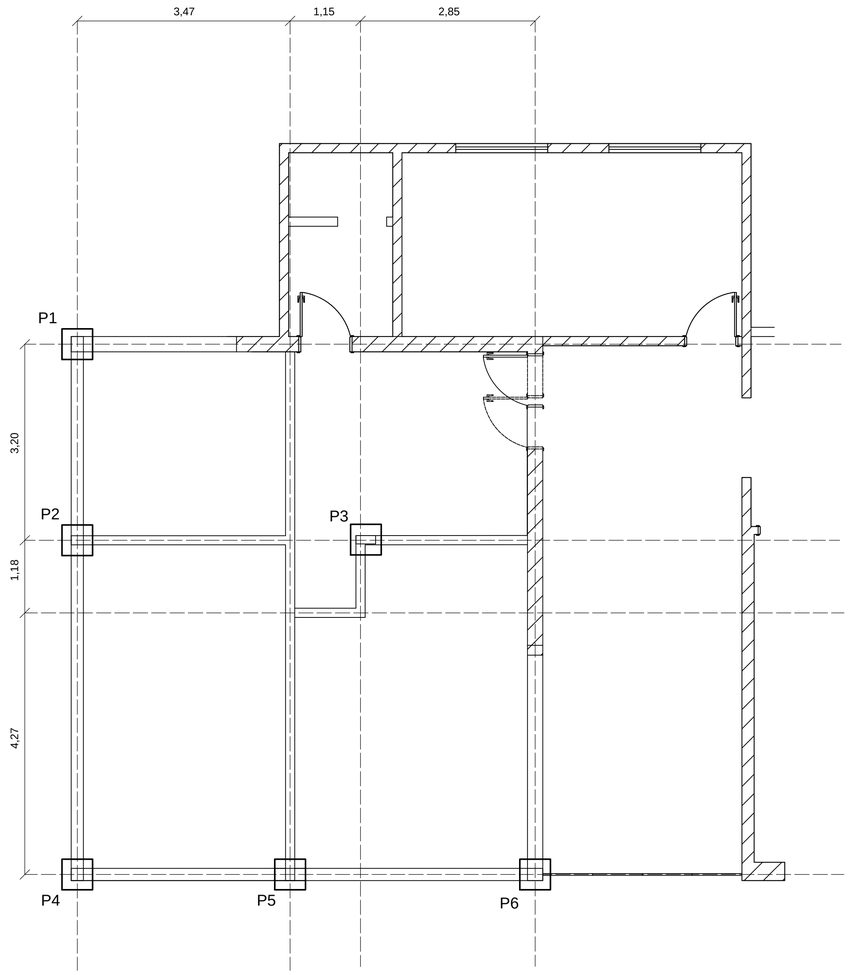
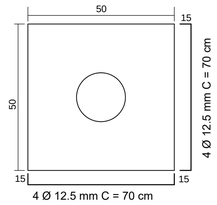
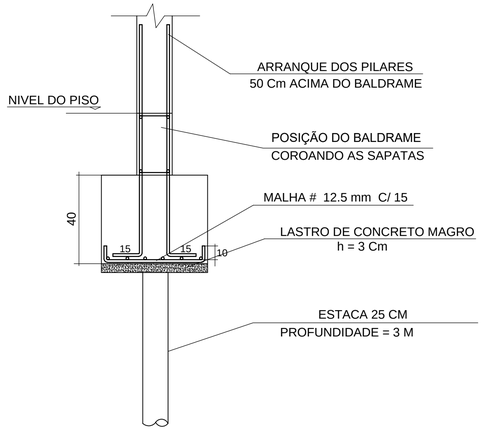


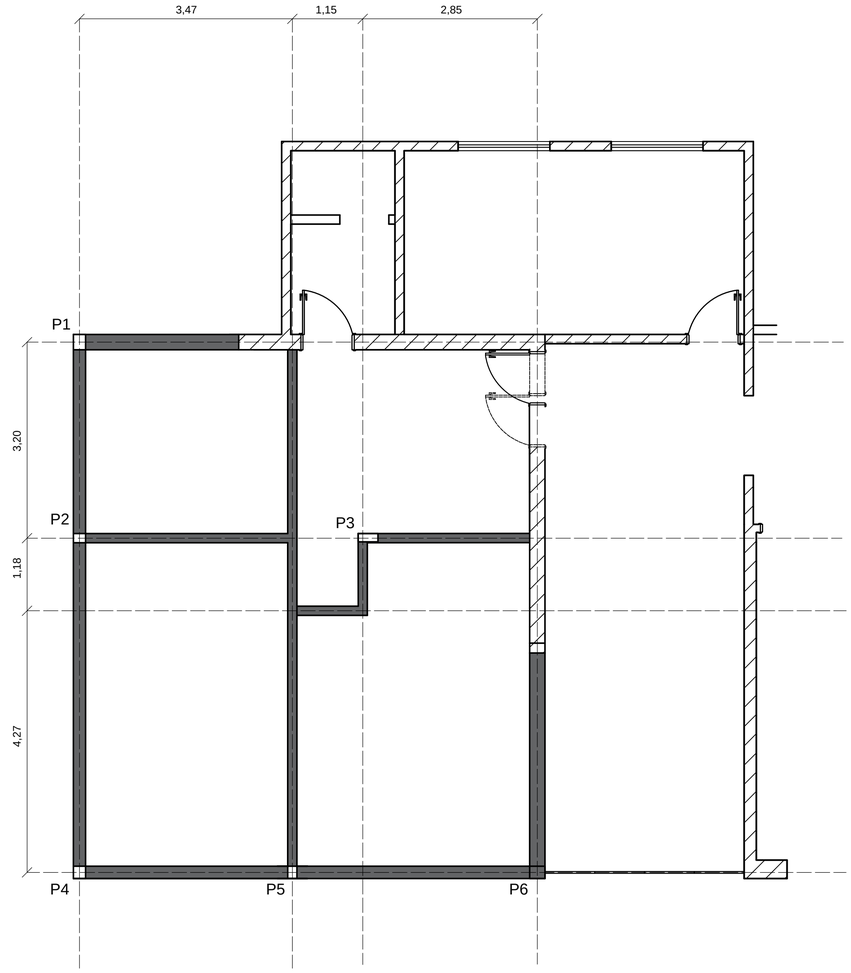
PLANTA FORMA - FUNDAÇÃO
Escala 1:50

LISTA DE MATERIAIS - FUNDAÇÃO	
CONCRETO (bloco+estaca)	1,48 m³
AÇO CA-50	33,60 kg
FORMAS	--



DETALHE FUNDAÇÃO





PLANTA FORMA - BALDRAME
Escala 1:50

LISTA DE MATERIAIS - BALDRAME	
CONCRETO	2,33 m³
AÇO CA-50	95,13 kg
FORMAS	--

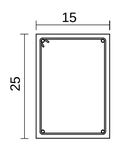
LISTA DE MATERIAIS - RESPALDO	
CONCRETO	3,18 m³
AÇO CA-50	228,67 kg
FORMAS	35,89 m²

Legenda:

Viga em concreto armado

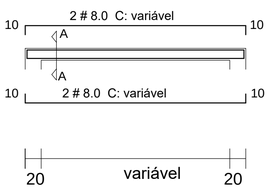
Estrutura existente

DETALHAMENTO DOS PILARES
(15 X 25)

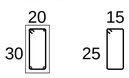


4 # 8.0 mm
ESTRIBOS # 5.0 mm C/ 15 Cm.

Vigas baldrame

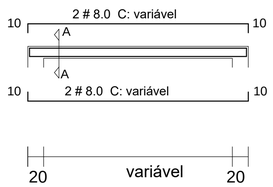


CORTE AA

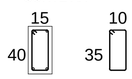


estribos: 5.0 mm a cada 20 cm
- C: 82 cm

Vigas respaldo



CORTE AA



estribos: 5.0 mm a cada 15 cm
- C: 92 cm

ENDEREÇO DA OBRA
RUA DR. PLÍNIO COUTINHO, Nº 60 - CENTRO - SERRANIA / MG

PROPRIETARIO
PREFEITURA MUNICIPAL DE SERRANIA

ASSINATURAS

PROPRIETARIO

ANA MARIA FIGUEIREDO BARBONI
CREA 49.039/D

CREA

AÇO
fyk =
5000 / 6000 kg/cm2

CONCRETO
FCK = 20 MPA

DATA
11/2019

IDENTIFICAÇÃO
PROJETO ESTRUTURAL - SECRETARIA - ESCOLA ACEIR MIGUEL

PRANCHA
01/01

AREA EM M²
46,01

CONTEUDO
Planta forma, baldrame e detalhamento de vigas

ESCALAS INDICADAS