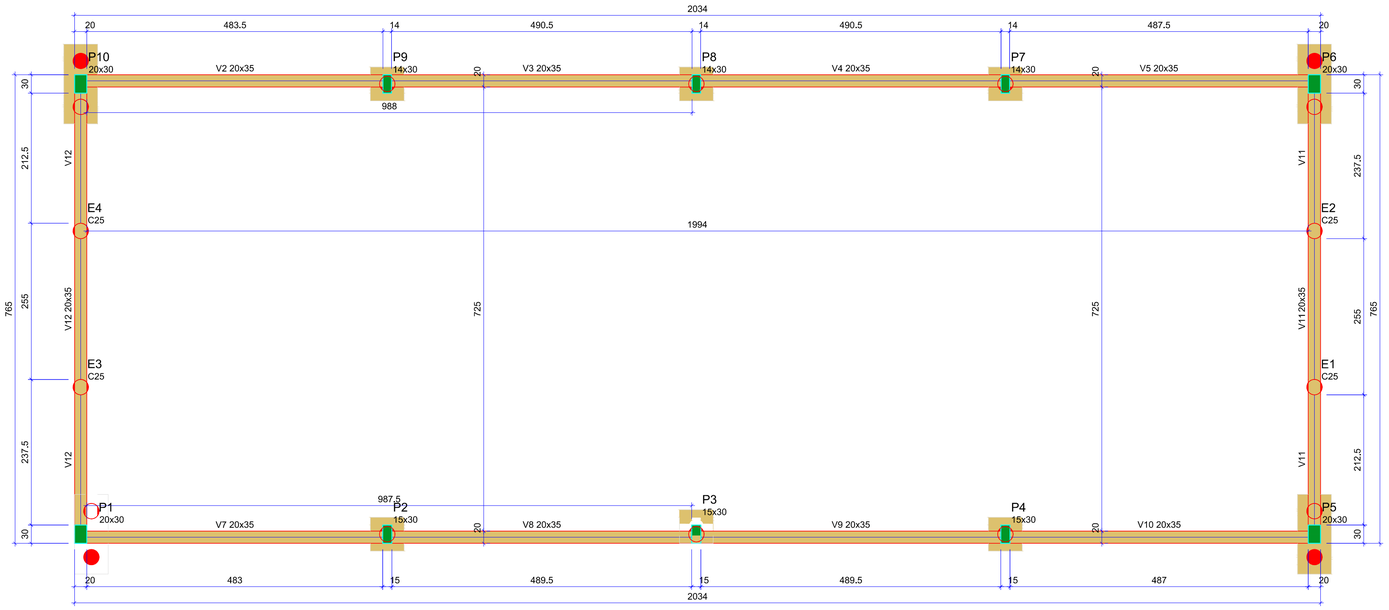


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V2	20x35	0	0
V3	20x35	0	0
V4	20x35	0	0
V5	20x35	0	0
V7	20x35	0	0
V8	20x35	0	0
V9	20x35	0	0
V10	20x35	0	0
V11	20x35	0	0
V12	20x35	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	268384

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	20x30	0	0
P2	15x30	0	0
P3	15x30	0	0
P4	15x30	0	0
P5	20x30	0	0
P6	20x30	0	0
P7	14x30	0	0
P8	14x30	0	0
P9	14x30	0	0
P10	20x30	0	0

Legenda dos pilares
Pilar que morre

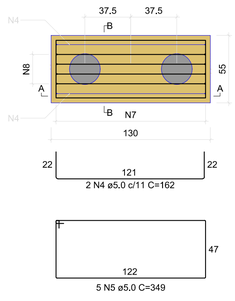
Legenda das vigas e paredes
Viga

Forma do pavimento FUNDAÇÃO

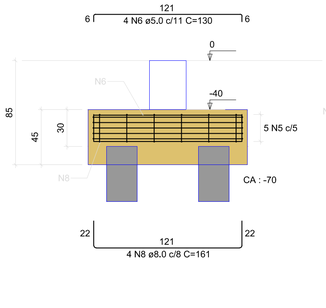
escala 1:50

B1=B5=B6=B10
2xC25

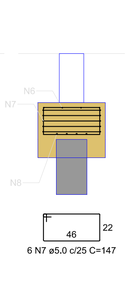
PLANTA
ESC 1:25



CORTE A-A
ESC 1:25

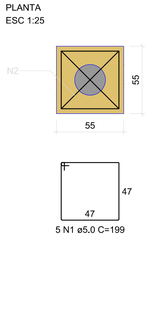


CORTE B-B
ESC 1:25

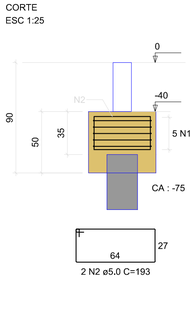


B2=B3=B4
1xC25

PLANTA
ESC 1:25

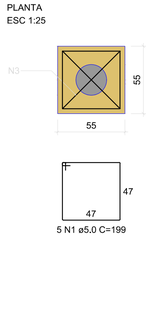


CORTE
ESC 1:25

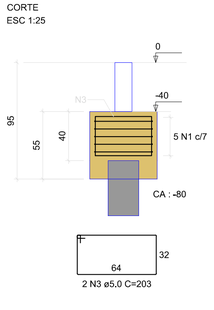


B7=B8=B9
1xC25

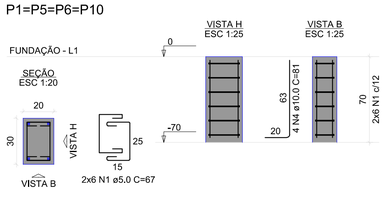
PLANTA
ESC 1:25



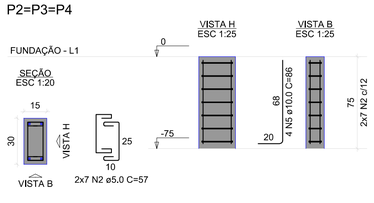
CORTE
ESC 1:25



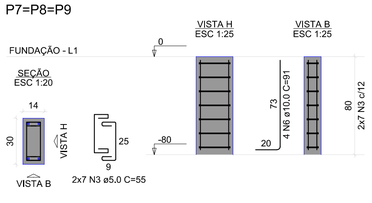
P1=P5=P6=P10



P2=P3=P4



P7=P8=P9



RELAÇÃO DO AÇO

3xB4 3xB9 4xB10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	30	199	5970
	2	5.0	6	193	1158
	3	5.0	6	203	1218
	4	5.0	8	162	1296
	5	5.0	20	349	6980
	6	5.0	16	130	2080
	7	5.0	24	147	3528
CA50	8	8.0	16	161	2576

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	25.8	10.2
CA60	5.0	222.3	34.3

PESO TOTAL (kg)	
CA50	10.2
CA60	34.3

Volume de concreto (C-30) = 2,14 m³
Área de forma = 13,59 m²

RELAÇÃO DO AÇO

4xP1 3xP2 3xP7

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	48	67	3216
	2	5.0	42	57	2394
	3	5.0	42	55	2310
CA50	4	10.0	16	81	1296
	5	10.0	12	86	1032
	6	10.0	12	91	1092

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	34.2	21.1
CA60	5.0	79.2	12.2

PESO TOTAL (kg)	
CA50	21.1
CA60	12.2

Volume de concreto (C-30) = 0,20 m³
Área de forma = 3,74 m²

PREFEITURA MUNICIPAL DE SERRANIA

Proprietário:
PREFEITURA MUNICIPAL DE SERRANIA

Projeto:
ESTRUTURAL AMPLIAÇÃO ESCOLA MUN. PROF. ACEIR MIGUEL MOREIRA

Ref.:
PILARES TÉRREO

Endereço:
RUA DR, PLINIO COUTINHO, Nº 60 - CENTRO - SERRANIA - MG

Data:
ABR/2025

Autores:
SAMIR ABDALA N. FERREIRA
Engenheiro Civil - CREA 240413/D - MG

Proprietário:
PREF. MUN. DE SERRANIA
CNPJ:18.243.261/0001-06

Escala:
1/50

Folha:
01