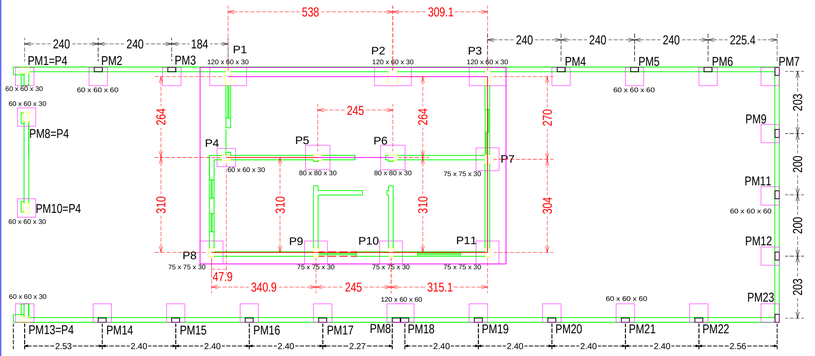
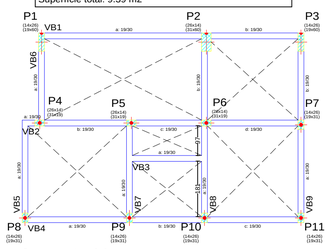


LOCAÇÃO

Elemento	Fôrmas (m2)	Superficie (m2)	Volume (m3)	Barras (kg)
Vigas	26.75	8.50	2.910	173
Pilares	11.68	-	0.810	26
Total	-	8.50	3.720	199
Índices (por m2)	-	-	0.396	21.19

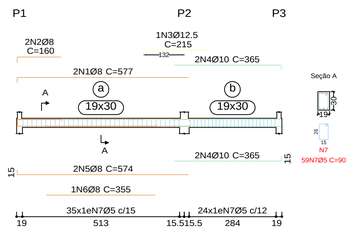
Superfície total: 9.39 m2



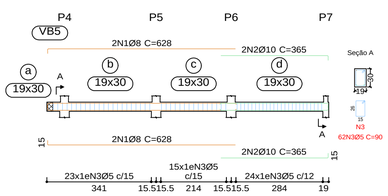
Fôrmas Baldrames

Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø8	147.4	64	
	Ø10	81.5	55	
	Ø12.5	2.2	2	121
CA-60	Ø5	299.7	52	52
Total				173

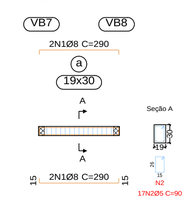
VB1



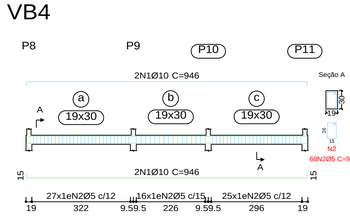
VB2



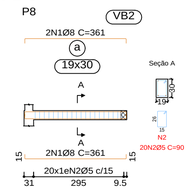
VB3



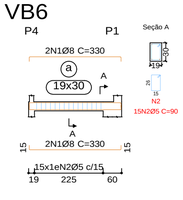
VB4



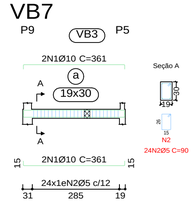
VB5



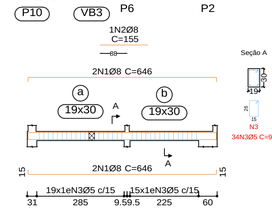
VB6



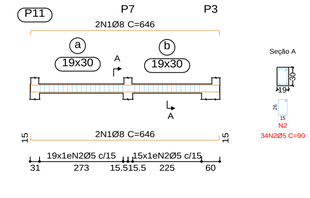
VB7



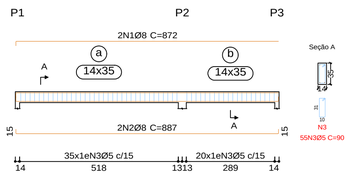
VB8

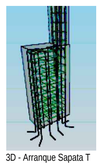


VB9



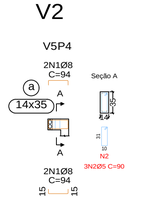
V1



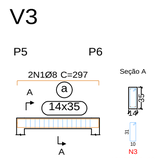


3D - Arranque Sapata T

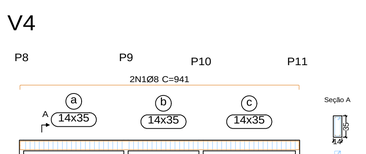
V2



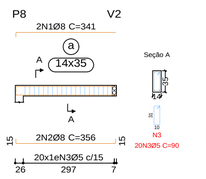
V3



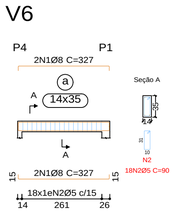
V4



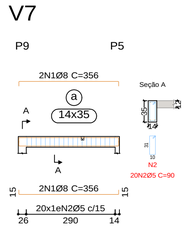
V5



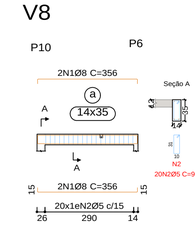
V6



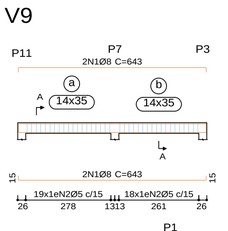
V7

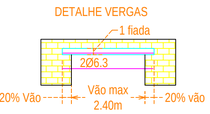


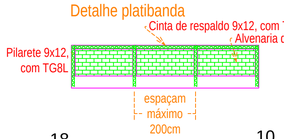
V8



V9







QUADRO DE ELEMENTOS DE FUNDAÇÃO				
Referências	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y
P1, P2 e P3	120x60	30	3Ø10c/20	6Ø10c/20
P4	60x60	30	3Ø10c/20	3Ø10c/20
P5 e P6	80x80	30	4Ø10c/20	4Ø10c/20
P7, P8, P9, P10 e P11	75x75	30	4Ø10c/20	4Ø10c/20

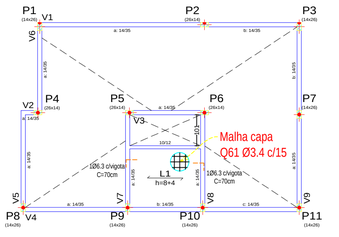
Dosagem do Concreto

1 saco de cimento (50 kg)
3,5 baldes (18L) de areia
4 baldes de brita
1 balde de água

Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø8	169.8	74	74
CA-60	Ø5	223.2	39	39
Total				113

CX D'ÁGUA				
Elemento	Fôrmas (m2)	Superficie (m2)	Volume (m3)	Barras (kg)
Lajes de vigotas	-	4.41	0.280	2
Vigas	24.68	5.27	1.990	113
Pilares	26.40	-	1.200	143
Total	-	9.68	3.470	258
Índices (por m2)	-	-	0.344	25.60

Superfície total: 10.08 m2

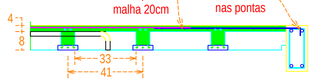


Fôrmas Nível Cx d'água

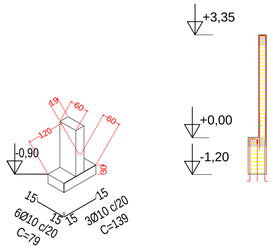
L1 - 5 PCS
1 Treliça 8L C=240
Concreto C=230
APLICAR CONTRA-FLECHA DE 1cm

Tabela de características de lajes de vigotas (Grupo 2)
LAJE DE VIGOTAS DE CONCRETO
Altura do bloco/molde: 8 cm
Espessura camada de compressão: 4 cm
Entre-eixos: 41 cm
Bloco/Molde: Cerâmica
Largura da nervura: 9 cm
Volume de concreto: 0.063 m3/m2
Peso próprio: 0.18 t/m2 (Simples), 0.20 t/m2 (Dupla)
Nota: Consulte os detalhes referentes a uniões com lajes da estrutura principal e das zonas maciçadas.

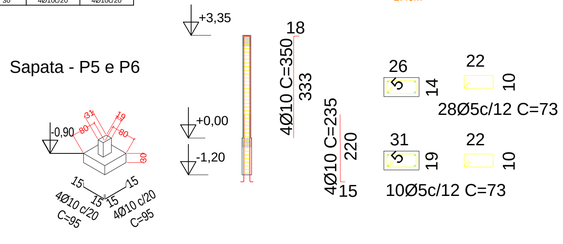
Detalhe - Laje Treliçada



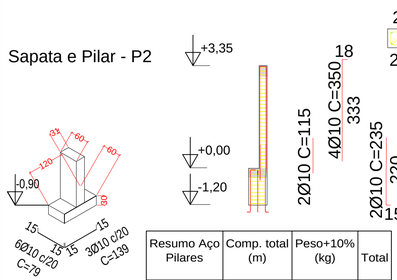
Sapata e Pilares - P1 e P3



Sapata - P5 e P6

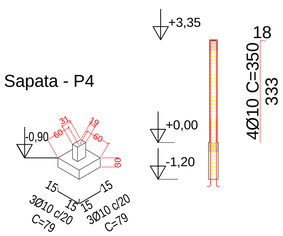


Sapata e Pilar - P2



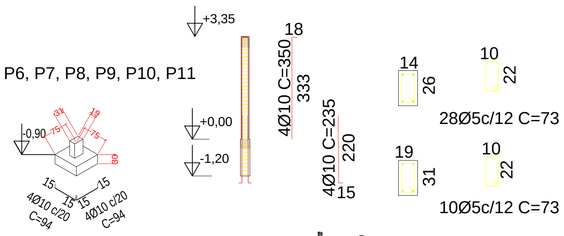
Resumo Aço Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø10	277.6	188	188
CA-60	Ø5	344.6	60	60
Total				248

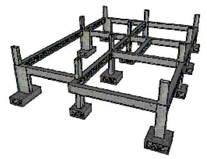
Sapata - P4



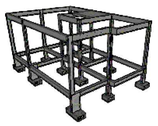
Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)
CA-50	Ø10	211.0	143

Sapata - P5, P6, P7, P8, P9, P10, P11



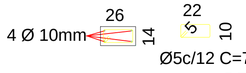


3D



3D

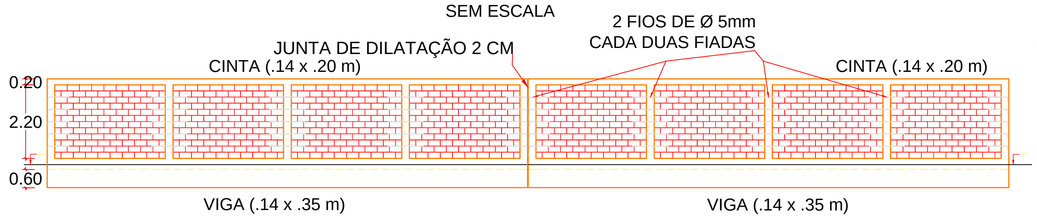
DETALHE DO PILAR



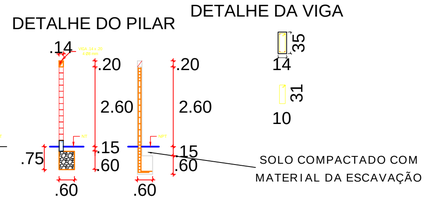
DETALHE DA CINTA



DETALHE DO MURO
SEM ESCALA



DETALHE DO PILAR



DETALHE DA VIGA

PARÂMETROS CONSIDERADOS:

- fck: 25 Mpa;
- Cobrimentos:
  - 1.5 cm para as lajes;
  - 2.0 cm para vigas e pilares (exceto em contato com solo - 4.5 cm);
  - *Tensão admissível: 2.0 kgf/cm² (realizar sondagem pra validar);
- Concreto preparado na obra e agregados dosados em volume (S=7);
- Tipo de Brito: 1 (19mm);
- Tipo de Areia: Grossa;
  - Cimento CPII - 32 Mpa.

ENGENHEIRO ESTRUTURAL

Obra:

Prancha 01/01- Estrutural

A1

PROPRIETÁRIO

Maio de 2024

RT-Eng. Civil: CREA: