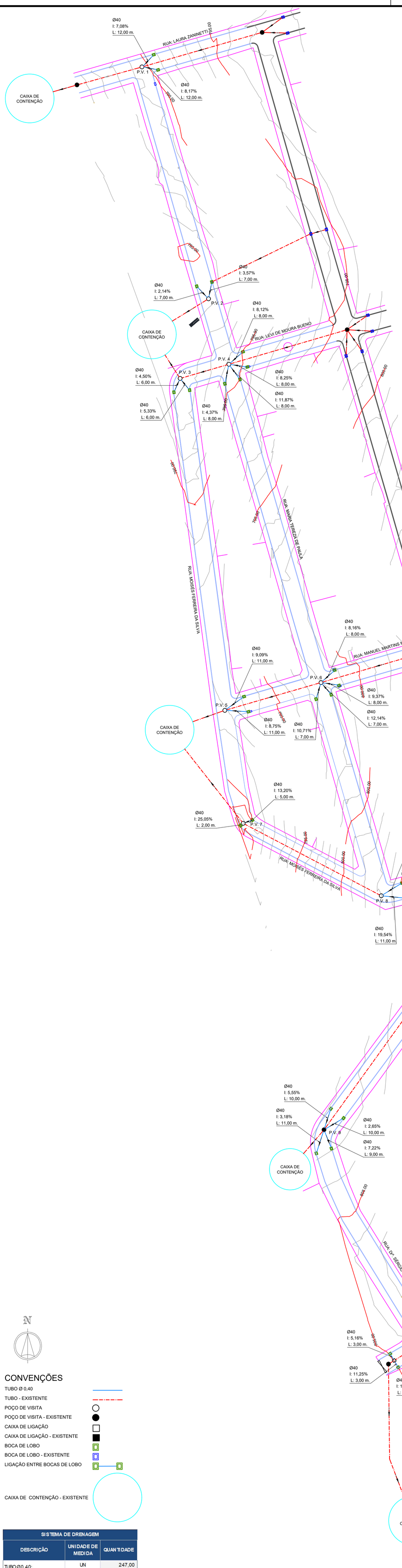


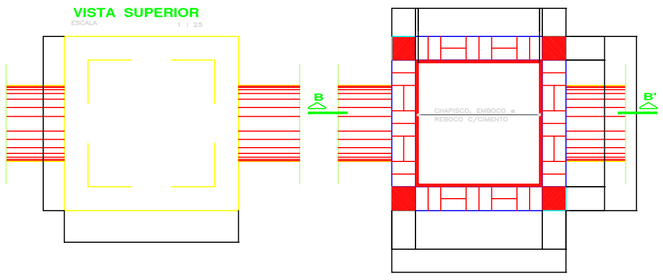

## CONVENÇÕES

- TUBO Ø 0,40
- TUBO - EXISTENTE
- POÇO DE VISITA
- POÇO DE VISITA - EXISTENTE
- CAIXA DE LIGAÇÃO
- CAIXA DE LIGAÇÃO - EXISTENTE
- BOCA DE LOBO
- BOCA DE LOBO - EXISTENTE
- LIGAÇÃO ENTRE BOCAS DE LOBO
- CAIXA DE CONTENÇÃO - EXISTENTE

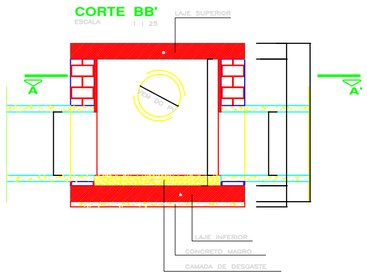
| SISTEMA DE DRENAGEM | | |
|---|---|---|
| DESCRIÇÃO | UNIDADE DE MEDIDA | QUANTIDADE |
| TUBO Ø 0,40: | UN | 247,00 |
| BOCA DE LOBO | UN | 32,00 |
| POÇO DE VISITA | UN | 10,00 |
| CAIXA DE LIGAÇÃO | UN | 1,00 |

## CORTE AA'
ESCALA 1 : 25

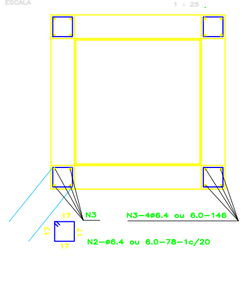
## VISTA SUPERIOR
ESCALA 1 : 25



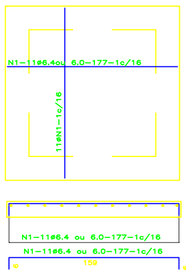

## CORTE BB'
ESCALA 1 : 25



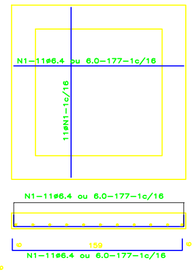

## ARMADURA DOS PILARES
ESCALA 1 : 25




## LAJE INFERIOR
ESCALA 1 : 25




## LAJE SUPERIOR
ESCALA 1 : 25

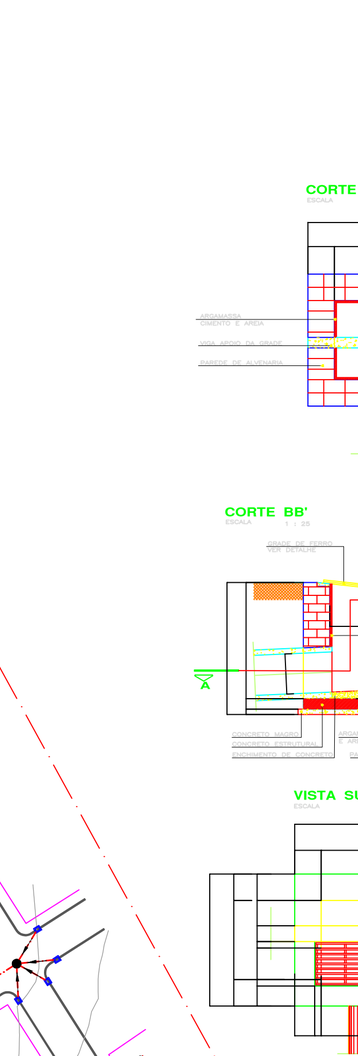



## CAIXA DE LIGACAO

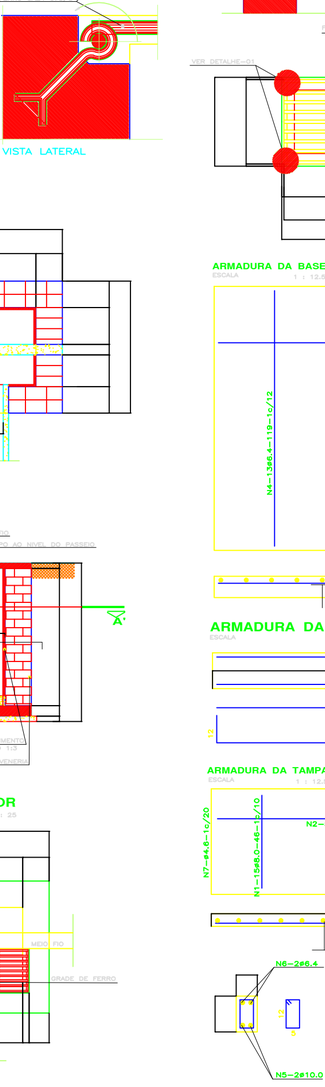
| TABELA DE ARMADURAS | | | | |
|---|---|---|---|---|
| N | ø | Q | COMP. UNIT. | COMP. TOTAL |
| 1 | 6.4 ou 6.0 | 44 | 1.77 | 77.88 |
| 2 | 6.4 ou 6.0 | 24 | 0.78 | 18.72 |
| 3 | 6.4 ou 6.0 | 16 | 1.48 | 23.68 |

| RESUMO - ACO CA 50B ou CA 60B | | | |
|---|---|---|---|
| ø | COMPR. TOTAL | PESO P/m | TOTAL |
| 6.4 | 120.20 | 0.250 | 30.05kg |
| 6.0 | 120.20 | 0.222 | 26.68kg |

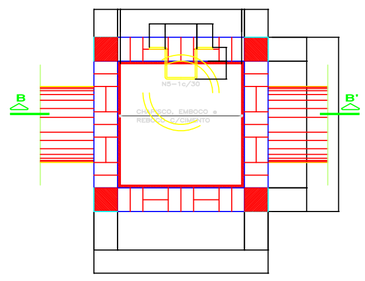
## CORTE BB'
ESCALA 1 : 25



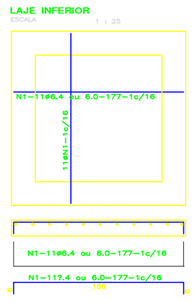

## VISTA SUPERIOR
ESCALA 1 : 25



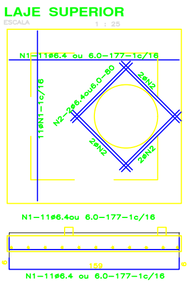
## CORTE AA'
ESCALA 1 : 25



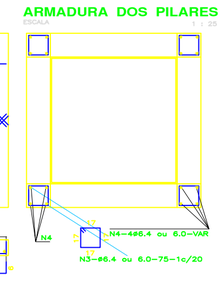

## LAJE INFERIOR
ESCALA 1 : 25




## LAJE SUPERIOR
ESCALA 1 : 25




## ARMADURA DOS PILARES
ESCALA 1 : 25



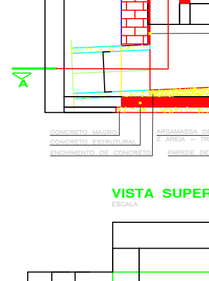

## POCO DE QUEDA ALVENARIAATE 1.00

| TABELA DE ARMADURAS | | | | |
|---|---|---|---|---|
| N | ø | Q | COMP. UNIT. | COMP. TOTAL |
| 1 | 6.4ou6.0 | 44 | 1.77 | 77.88 |
| 2 | 6.4ou6.0 | 08 | 0.80 | 6.40 |
| 3 | 6.4ou6.0 | 05 | 0.75 | 3.75 |
| 4 | 6.4ou6.0 | 16 | VAR | 16.00 |
| 5 | 12.0 | 03 | 1.20 | 3.60 |

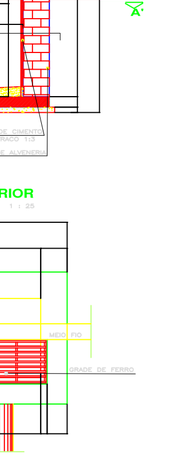
| RESUMO - ACO CA 50B ou CA 60B | | | |
|---|---|---|---|
| ø | COMPR. TOTAL | PESO P/m | TOTAL |
| 6.4 | 104.03 | 0.250 | 26.00kg |
| 6.0 | 104.03 | 0.222 | 23.09kg |
| 6.4 | 3.60 | 0.985 | 3.55kg |

NOTAS:
- _TIJOLO ADOTADO = 4,5x10,5x22,5, ASSENTADO COM ARGAMASSA DE CIMENTO
- _CHAPISCO, EMBOÇO e REBOCO C/ CIMENTO
- _INTERROMPER OS FERROS NA LAJE SUPERIOR PARA COLOCAR O CHAMINE

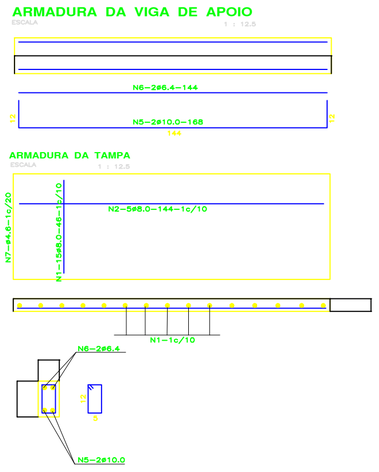
## DETALHE FLUXO



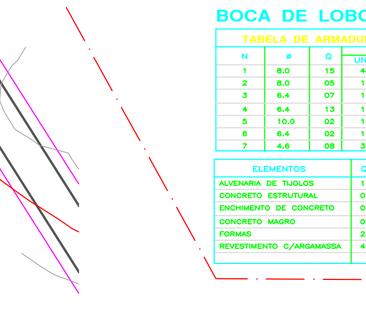

## DETALHE - 01
ESCALA 1 : 25



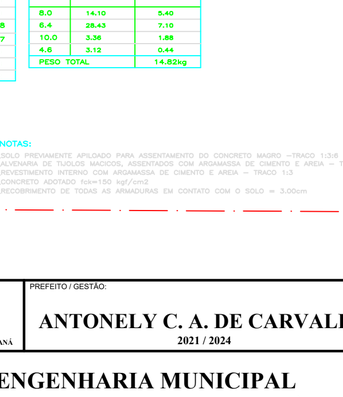

## DETALHE GRADE
ESCALA 1 : 12,5



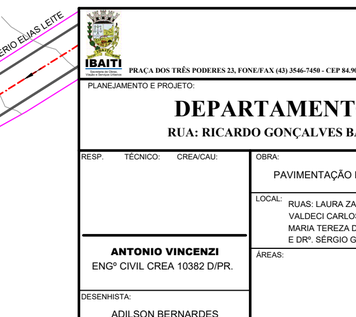
## CORTE AA'
ESCALA 1 : 25



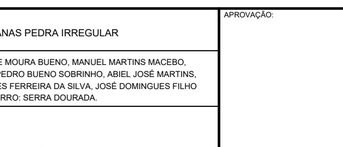

## ARMADURA DA BASE
ESCALA 1 : 12,5




## CORTE BB'
ESCALA 1 : 25




## ARMADURA DA VIGA DE APOIO
ESCALA 1 : 12,5




## VISTA SUPERIOR
ESCALA 1 : 25




## ARMADURA DA TAMPA
ESCALA 1 : 12,5




## BOCA DE LOBO SIMPLES / ALVENARIA

| TABELA DE ARMADURAS | | | | |
|---|---|---|---|---|
| N | ø | Q | COMP. UNIT. | COMP. TOTAL |
| 1 | 8.0 | 15 | 46 | 690 |
| 2 | 8.0 | 05 | 144 | 720 |
| 3 | 6.4 | 07 | 144 | 1008 |
| 4 | 6.4 | 13 | 119 | 1547 |
| 5 | 10.0 | 02 | 168 | 336 |
| 6 | 6.4 | 02 | 144 | 288 |
| 7 | 4.6 | 08 | 39 | 312 |

| RESUMO - ACO CA 50B | | |
|---|---|---|
| ø | COMPR. TOTAL | PESO |
| 8.0 | 14.10 | 5.40 |
| 6.4 | 28.43 | 7.10 |
| 10.0 | 3.36 | 1.86 |
| 4.6 | 3.12 | 0.44 |
| PESO TOTAL | | 14.82kg |

| ELEMENTOS | QUANT. |
|---|---|
| ALVENARIA DE TIJOLOS | 1.30m3 |
| CONCRETO ESTRUTURAL | 0.366m3 |
| ENCHIMENTO DE CONCRETO | 0.038m3 |
| CONCRETO MAGRO | 0.094m3 |
| FORMAS | 2.20m2 |
| REVESTIMENTO C/ARGAMASSA | 4.40m2 |

NOTAS:
- _SOLO PREVIAMENTE APILOADO PARA ASSENTAMENTO DO CONCRETO MAGRO –TRAÇO 1:3:6
- _ALVENARIA DE TIJOLOS MACIÇOS, ASSENTADOS COM ARGAMASSA DE CIMENTO E AREIA – TRAÇO 1:3
- _REVESTIMENTO INTERNO COM ARGAMASSA DE CIMENTO E AREIA – TRAÇO 1:3
- _CONCRETO ADOTADO fck=150 kgf/cm2
- _RECOBRIMENTO DE TODAS AS ARMADURAS EM CONTATO COM O SOLO = 3,00cm

IBAITI
PRAÇA DOS TRÊS PODERES 23, FONE/FAX (43) 3546-7450 - CEP 84.900-000 - IBAITI/PARANÁ

PREFEITO / GESTÃO:
**ANTONELY C. A. DE CARVALHO**
2021 / 2024

PLANEJAMENTO E PROJETO:
**DEPARTAMENTO DE ENGENHARIA MUNICIPAL**
RUA: RICARDO GONÇALVES BACCO - FONE : (43) 3546-6167 - CEP 84.900-000 - IBAITI/PARANÁ

RESP. TÉCNICO: CREA/CAU:
**ANTONIO VINCENZI**
ENGº CIVIL CREA 10382 D/PR.

DESENHISTA: ADILSON BERNARDES

OBRA: PAVIMENTAÇÃO DE VIAS URBANAS PEDRA IRREGULAR

LOCAL: RUAS: LAURA ZANINETTI, LEVI DE MOURA BUENO, MANUEL MARTINS MACEBO, VALDECI CARLOS BENTO, VER. PEDRO BUENO SOBRINHO, ABIEL JOSÉ MARTINS, MARIA TEREZA DE PAULA, MOISÉS FERREIRA DA SILVA, JOSÉ DOMINGUES FILHO E DRº. SÉRGIO GONÇALVES - BAIRRO: SERRA DOURADA.

ÁREAS: VER. QUADRO DE ÁREAS

APROVAÇÃO:

DATA: SETEMBRO 21

ESCALA: 1 : 1000

PROJETO: SISTEMA DE DRENAGEM
DETALHES DE BOCA DE LOBO, CAIXA DE LIGAÇÃO E POÇO DE VISITA

PRANCHA: ÚNICA