



1 UFABC – BLOCO ALFA 2  
Planta 3º Pavimento  
ESCALA: 1:75

#### Abreviações

BA.A – BACIA SANITÁRIA C/ CAIXA ACOPLADA  
BA – BACIA SANITÁRIA  
BEB – BEBEDOURO  
INSP. – INSPEÇÃO  
LV – LAVATÓRIO  
MIC – MICTÓRIO  
PI – PIA  
TO – TANQUE

#### Extintor

☒ – EXTINTOR DE ÁGUA PRESSURIZADA 10L  
▲ – EXTINTOR DE DIÓXIDO DE CARBONO (CO2) 6Kg  
☒ – EXTINTOR DE Pó QUÍMICO SECD 4Kg

#### Legenda

CI – CAIXA DE INSPEÇÃO PARA ESGOTO 60 x 60cm  
CI – CAIXA DE INSPEÇÃO PARA ÁGUA PLUVIAL 60 x 60cm  
VE – VÁLVULA DE ESFERA  
RG – REGISTRO DE GAVETA  
CS – CAIXA SIFONADA  
CS – CAIXA SIFONADA  
HIDRANTE SIMPLES

#### Colunas

AFR – COLUNA DE ÁGUA FRIA POTÁVEL  
AFR – COLUNA DE ÁGUA FRIA REUSO  
EQ – COLUNA DE ESGOTO QUÍMICO  
DR – COLUNA DE DRENO DO AR CONDICIONADO  
AP – COLUNA DE ÁGUAS PLUVIAIS  
E – COLUNA DE ESGOTO  
V – COLUNA DE VENTILAÇÃO  
INC – COLUNA DE INCENDIO

#### Tubulações

— TUBULAÇÃO DE ÁGUA FRIA POTÁVEL  
— TUBULAÇÃO DE ÁGUA FRIA REUSO  
— TUBULAÇÃO DE DRENO DO AR CONDICIONADO  
— TUBULAÇÃO DE ESGOTO QUÍMICO  
— TUBULAÇÃO DE ÁGUA PLUVIAL  
— TUBULAÇÃO DE ESGOTO  
— TUBULAÇÃO DE VENTILAÇÃO  
— TUBULAÇÃO DE INCENDIO  
— TUBULAÇÃO DE RETORNO ESPELHO D' ÁGUA  
— TUBULAÇÃO DE AVISO / LADRAO / LIMPEZA

#### REDE DE ÁGUA FRIA POTÁVEL E REUSO

1- Toda a rede de água fria será em PVC soldável classe 15 – ref. Tigre.  
2- Todas as ligações da rede com equipamentos, utilizar unides.  
3- Todas as conexões que recebem metais, serão de bronze ref. Eluma  
4- Toda a tubulação deverá ser executada com suportes que evitem flambagem.  
5- Deverá ser utilizada fita de teflon para vedação das juntas roscaadas e adesivo plástico para vedação das juntas soldadas.

#### REDE DE DRENO DE AR CONDICIONADO

1- Toda a rede de água fria será em PVC soldável classe 15 – ref. Tigre.  
2- Toda a tubulação deverá ser executada com suportes que evitem flambagem.  
3- Deverá ser utilizada fita de teflon para vedação das juntas roscaadas e adesivo plástico para vedação das juntas soldadas.

#### REDE DE ESGOTO

##### Rede de Esgoto Primária e Secundária

1) Todos os ramais de esgoto serão em PVC linha sanitária, inclinação de 2%, (mínimo).  
2) Todos os coletores de esgoto serão em PVC linha sanitária, inclinação de 0,7%, (mínimo).  
2) Todos as caixas sifonadas para os sanitários serão em PVC c/ grelha cromada.

##### Coletor Geral de Esgoto

Serão utilizados tubos de PVC rígido de ponta e bolsa para anel de borracha (junta elástica) tipo "VINILFORT", fabricação "TIGRE".

##### Conexões

Para tubos especificados acima, serão aplicadas conexões de PVC rígido de ponta e bolsa para anel de borracha (junta elástica) tipo "VINILFORT", fabricação "TIGRE".

##### Caixas

As caixas de passagem e poços de visita serão executadas de acordo com o detalhes anexos.

#### REDE DE ÁGUAS PLUVIAIS

##### Tubos

Serão em PVC série R, REF.: Tigre.

Inclinação para coletores de 0,5%.

##### Calhas

Serão em PVC série R, para os desvios e pé de colunas deverão ser utilizados curvas reforçadas.  
Ramais Para captação de telhados serão utilizados curvas e grelhas. Conforme detalhe anexo.

##### Conexões

Para tubos especificados acima, serão aplicadas conexões de PVC rígido de ponta e bolsa para anel de borracha fabricação "TIGRE".

##### Caixas

As caixas de passagem e poços de visita serão executadas de acordo com o detalhes anexos.

#### REDE DE INCENDIO

##### Tubulações

1) Toda a rede aparente de incêndio deverá ser em cobre classe A.  
2) Todas as ligações da rede com equipamentos utilizar unides.

##### Conexões

Serão em Cobre e Bronze. REF.: Eluma.

#### CAIXA DE INSPEÇÃO

Para cotas das caixas de inspeção e detalhamento, VIDE IMPLANTAÇÃO



RAMOSKA & CASTELLANI  
Rua Ribeiro Pires, 406 - Bairro Nova  
CEP 09580-690 - São Carlos do Sul - SP  
FONES: (011) 4230-0282/4230-7652

#### Descrição de revisão

REVISÃO	DESCRIÇÃO	DATA
00	EMISSÃO INICIAL	22/08/11

FUNDAÇÃO UNIVERSIDADE FEDERAL DO ABC PREFEITURA UNIVERSITÁRIA COORDENAÇÃO DE PROJETOS - UFABC/SBC	
CSB - CAMPUS SÃO BERNARDO	
PROJETO: PROJETO BÁSICO	REVISÃO: H 0
DISCIPLINA: HIDRÁULICA	
LOCAL: RUA DO TÚNEL S/Nº	
DESCRIÇÃO: PRÉDIO ALFA 2 - SALAS DE AULA - 3º PAVIMENTO	
PROJETO: RAMOSKA & CASTELLANI	ESCALA: 1/75
REVISÃO: THAIS VIOLA	DATA: 22/08/11
RESP. TEC: EDSON JOSÉ MONTE	REX: 0600842658

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