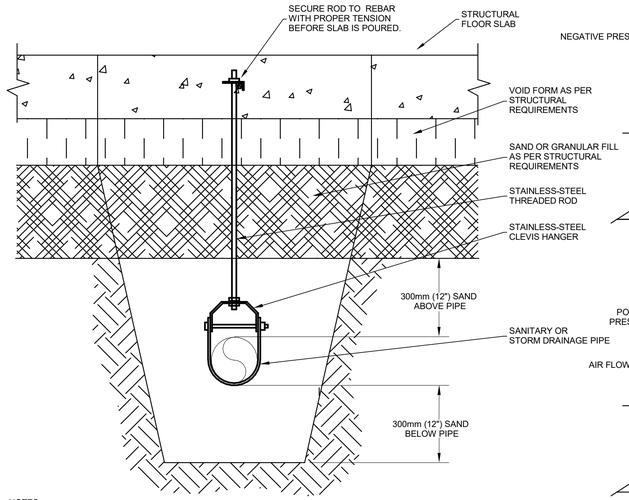
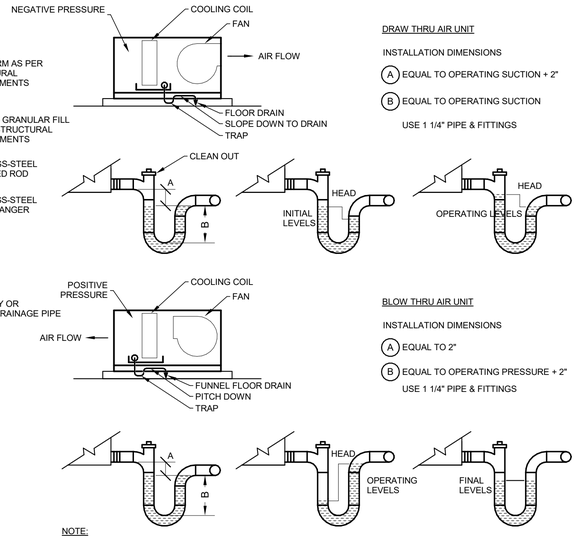


NOTES:
- ALL DIMENSIONS ARE MINIMUM REQUIREMENTS
- NOT APPLICABLE TO SLAB-ON-GRADE CONSTRUCTION.
- CONTRACTOR TO ENSURE VOID FORM BELOW THE TRENCH IS PROTECTED FROM COLLAPSE OR FAILURE PRIOR TO CASTING THE FLOOR SLAB.
- HANGERS SHALL BE SIZED AND SPACED TO SUPPORT THE WEIGHT OF:
  - THE PIPE,
  - ITS CONTENTS, AND
  - THE FILL OVER THE PIPE.

PIPE SUPPORT UNDER STRUCTURAL SLAB FOR PIPE DIAMETERS 10" AND SMALLER

SCALE: N.T.S



DRAW THRU AIR UNIT

INSTALLATION DIMENSIONS

(A) EQUAL TO OPERATING SUCTION + 2"

(B) EQUAL TO OPERATING SUCTION

USE 1 1/4" PIPE & FITTINGS

BLOW THRU AIR UNIT

INSTALLATION DIMENSIONS

(A) EQUAL TO 2"

(B) EQUAL TO OPERATING PRESSURE + 2"

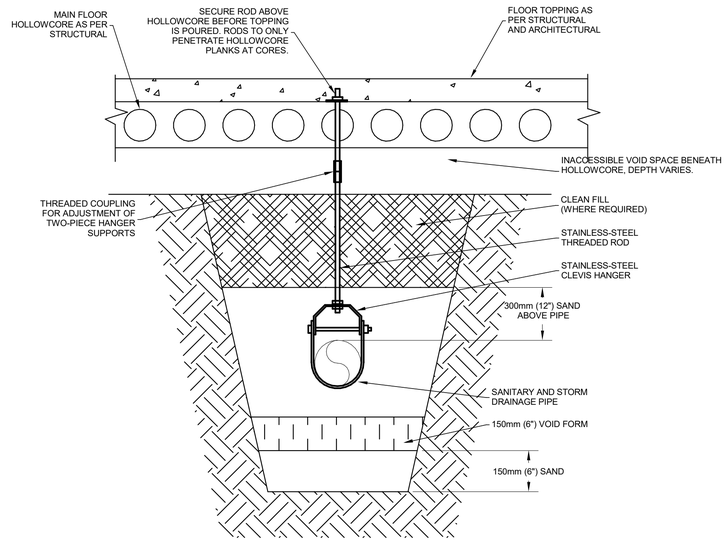
USE 1 1/4" PIPE & FITTINGS

NOTE:

A TRAP IS REQUIRED TO HOLD A HEAD OF WATER WHICH EQUALS THE PRESSURE DIFFERENCE THAT EXISTS BETWEEN THE INSIDE OF THE AIR UNIT AND THE ATMOSPHERE ON THE OUTSIDE OF THE UNIT. WHEN THE UNIT RUNS THE DIFFERENTIAL PRESSURE CAUSES THE WATER IN THE TRAP TO MOVE VERTICALLY. THIS PRODUCES A WATER COLUMN OF SUFFICIENT HEIGHT TO BALANCE THE PRESSURE DIFFERENCE. ONCE THE WATER COLUMN IS ESTABLISHED, ADDITIONAL CONDENSATE SIMPLY FILLS AND OVERFLOWS THE TRAP ON ITS WAY TO THE DRAIN.

DEEP SEAL TRAP DETAIL

SCALE: N.T.S



NOTE:
ALL DIMENSIONS ARE MINIMUM REQUIREMENTS

PIPE SUPPORT BENEATH HOLLOWCORE DETAIL

SCALE: N.T.S.

ENGINEERS GEOSCIENTISTS MANITOBA

Certificate of Authorization

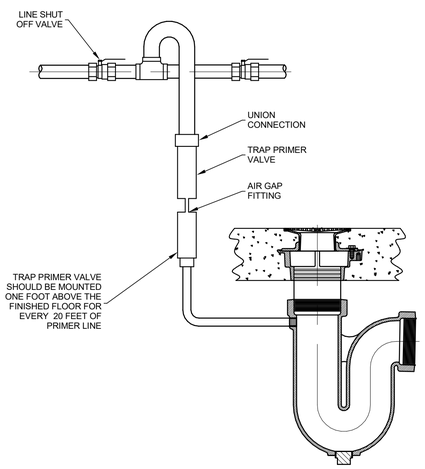
Epp Siepman Engineering Inc.

No. 4035

This is a print of a document that has been electronically authenticated with technology authorized by the Engineers Geoscientists Manitoba. The original is in electronic form.

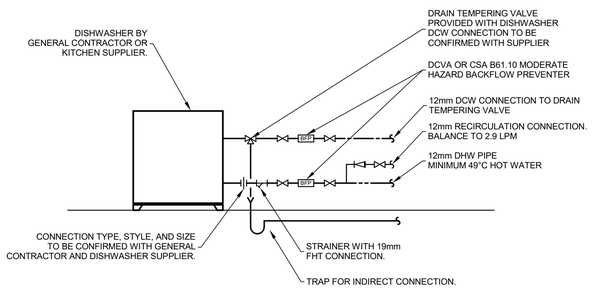
epp siepman engineering

400 - 136 Market Avenue
Winnipeg, MB R3B 0P4
T 204 453 1080



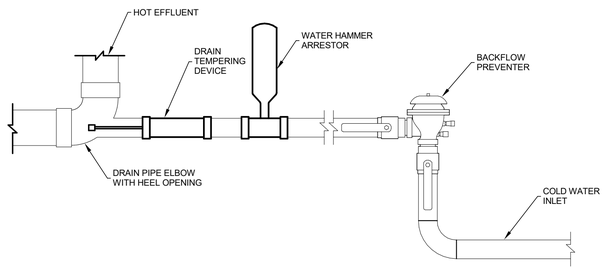
TRAP SEAL PRIMER DETAIL

SCALE: N.T.S.



DISHWATER CONNECTION DETAIL

SCALE: N.T.S.



DRAIN TEMPERING VALVE DETAIL

SCALE: N.T.S

LM esp

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	JS/MP	24-04-01

SEAL

PROVINCE OF MANITOBA
J.D. SCHELLENBERG
Member
31336
2024-04-01
REGISTERED PROFESSIONAL ENGINEER

EB	JS	JS	JS
DRAWN	CHECKED	DESIGNED	APPROVED

DATE 2024-04-01 USER APPROVAL

Winnipeg

THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT

PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B

50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE

Details - Plumbing

SCALE	PROJECT No:	SHEET No:
1 : 1	2020-127	MP4.2

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1

ESE 24049