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Consultants

Legend

Revision		By	Appd.	YY.MM.DD
1	ADDENDUM 4	MA	BH	25.08.06
0	ISSUED FOR CONSTRUCTION	MA	BH	25.06.04
Issued		By	Appd.	YY.MM.DD

File Name:	21006-M	GS	WD	MA	25.03.28
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

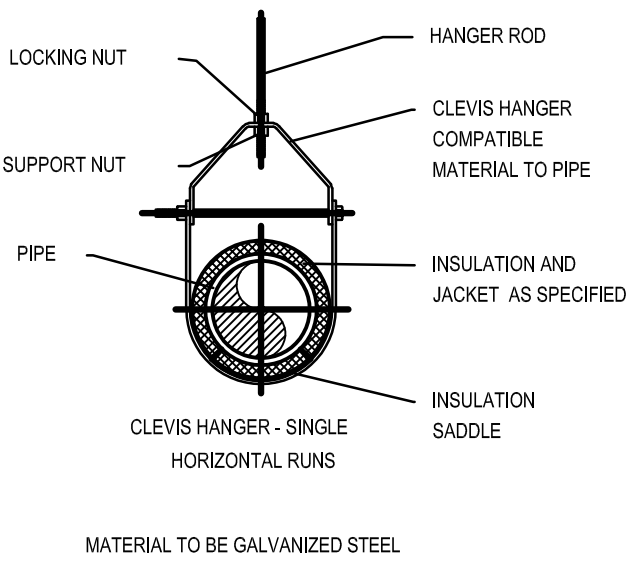
ORIGINAL
DRAWING
SEALED BY
B.A.HAUGH
MEMBER
10139
Stantec Consulting Ltd.
2025-06-04

Client/Project
**WINNIPEG TRANSIT MAINTENANCE FACILITY
OFFICE REDEVELOPMENT**

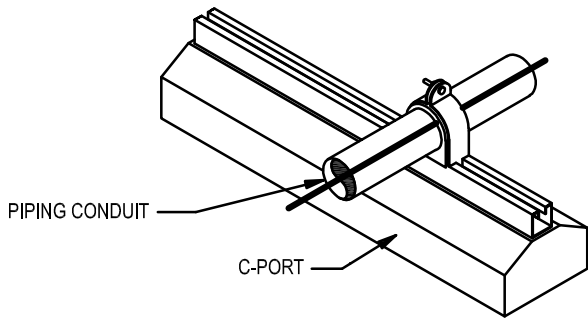
421 OSBORNE ST. SOUTH, WINNIPEG, MB

Title
MECHANICAL DETAILS

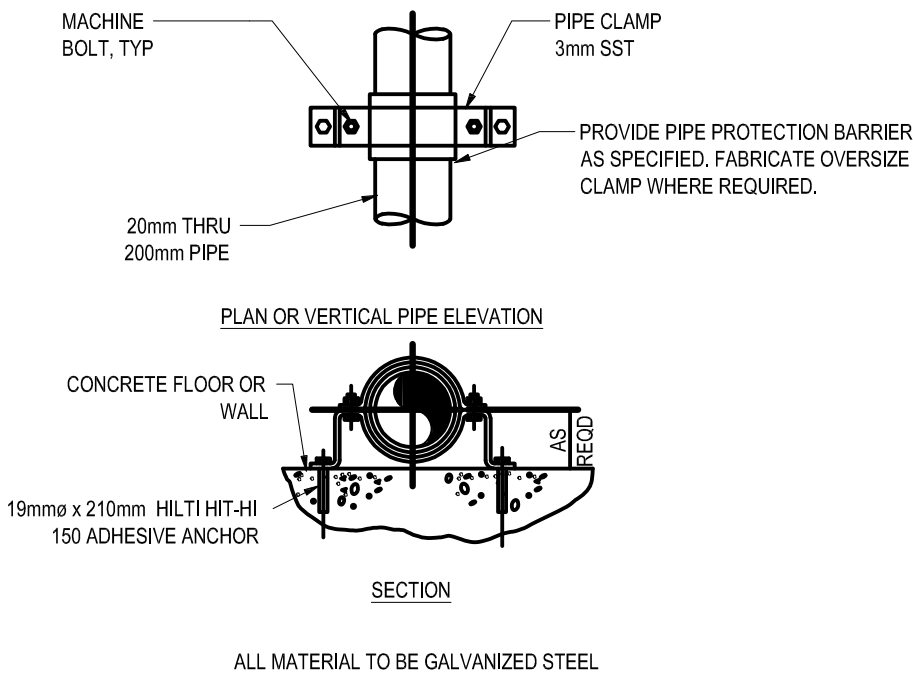
Project No. 115421006	Scale N.T.S.	Revision 1
Drawing No. M-502	Sheet 14 of 16	



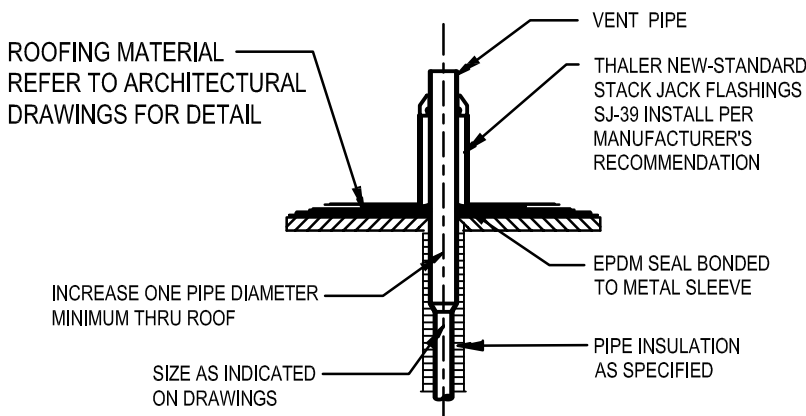
1 PIPE CLEVIS HANGER DETAIL
M-502 SCALE: N.T.S.



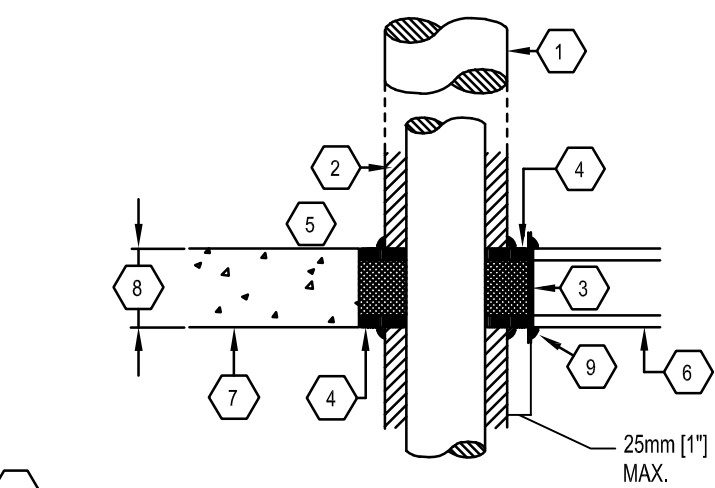
2 PIPE SUPPORT ON ROOF DETAIL
M-502 SCALE: N.T.S.



4 PIPE SUPPORT (WALL OR FLOOR MOUNTED) DETAIL
M-502 SCALE: N.T.S.

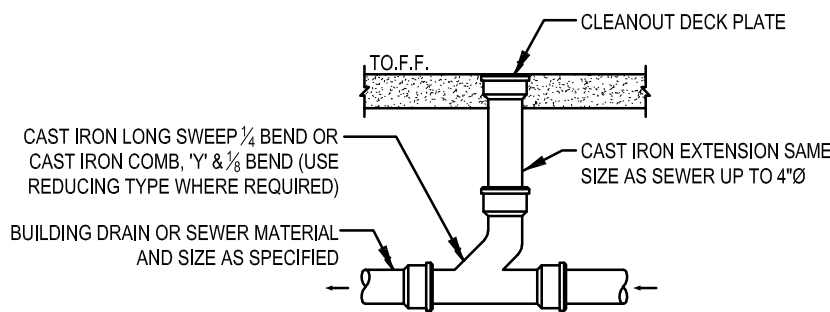


5 PLUMBING ROOF VENT DETAIL
M-502 SCALE: N.T.S.

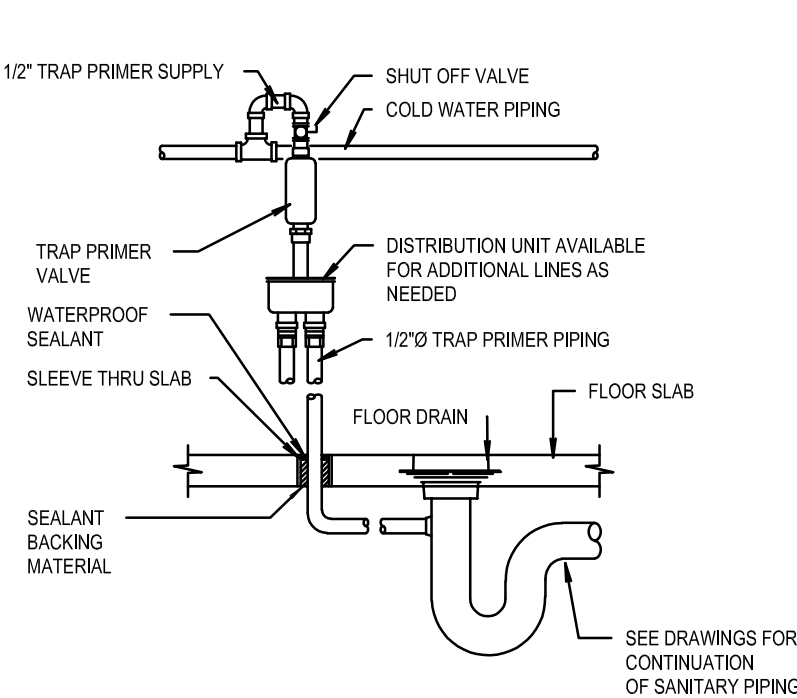


- DETAIL NOTES:**
- UNINSULATED PIPE.
 - INSULATION (AS SPECIFIED), TERMINATE INSULATION AT FIRE STOP.
 - 0.61mm (24 GA.) GALVANIZED STEEL SLEEVE (NOT REQUIRED, FOR CORE DRILL CONCRETE OPENINGS).
 - MINIMUM 12mm [1/2"] THICK - U.L.C. APPROVED FIRE STOP SEALANT, SEAT BOTH SIDES (TO MAINTAIN RATING ON GYPROC WALLS; TO RETAIN MINERAL WOOL INSULATION; TO SEAL VAPOUR BARRIER ON COLD PIPES).
 - MINERAL WOOL INSULATION - MANSON "CERAFIBER" OR CARBORUNDUM "FIBERFRAX" TIGHTLY PACKED.
 - FIRE RATED GYPROC WALL.
 - FIRE RATED CONCRETE FLOOR OR WALL.
 - OVERALL THICKNESS OF MINERAL FIBER PACKING (5) AND FIRE STOP SEALANT (4) TO ENSURE REQUIRED FIRE - RESISTANCE RATING OF SEPARATION.
 - BEAD OF FIRE STOP SEALANT.
 - PIPE INSTALLATION TO ENSURE THAT NO PIPE EXPANSION OCCURS AT FIRE STOP.

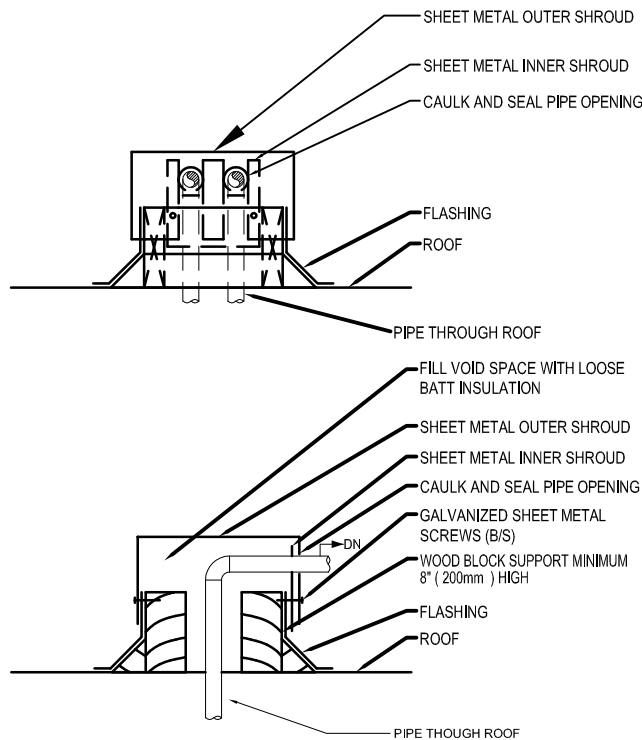
3 PIPE PENETRATION THROUGH FIRE RATED WALL DETAIL
M-502 SCALE: N.T.S.



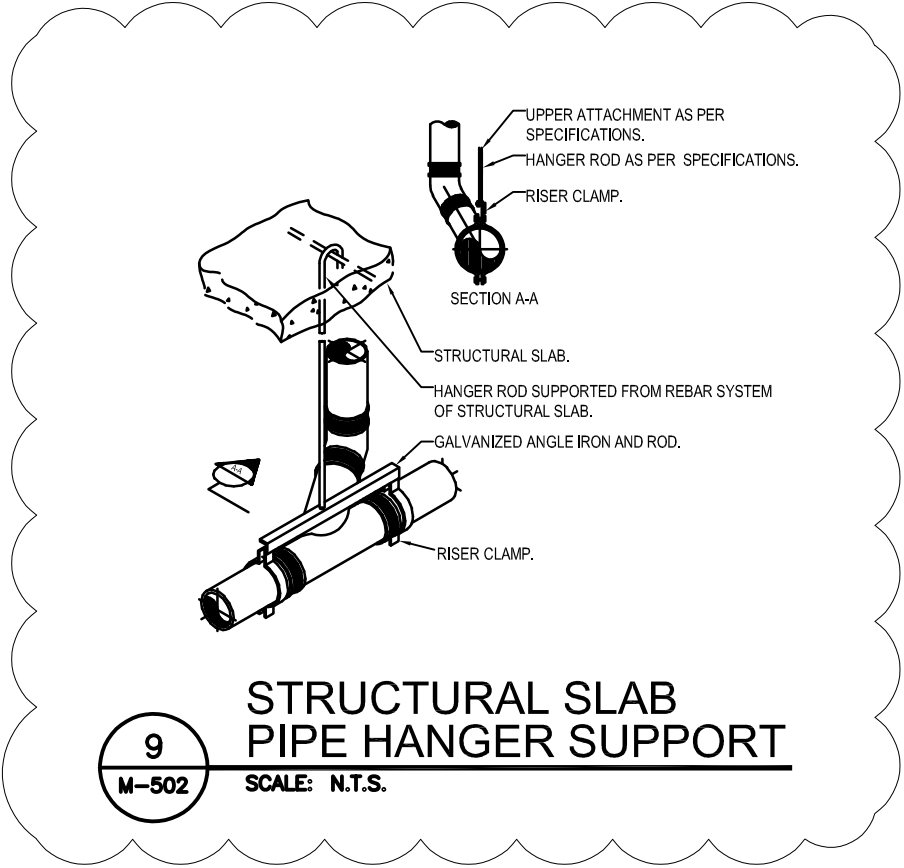
6 CLEAN OUT DETAIL
M-502 SCALE: N.T.S.



7 FLOOR DRAIN DETAIL
M-502 SCALE: N.T.S.



8 PITCH BOX DETAIL
M-502 SCALE: N.T.S.



9 STRUCTURAL SLAB PIPE HANGER SUPPORT
M-502 SCALE: N.T.S.