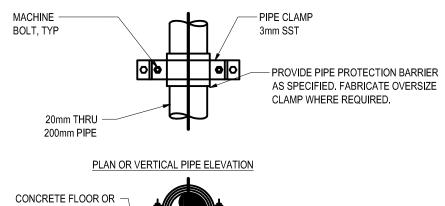
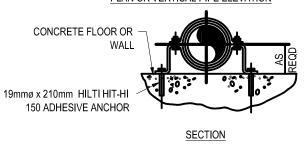


MATERIAL TO BE GALVANIZED STEEL



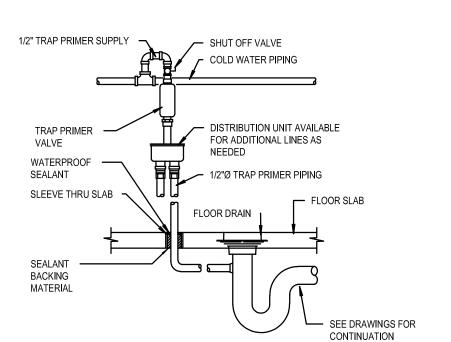






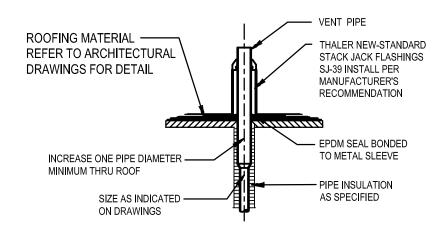
ALL MATERIAL TO BE GALVANIZED STEEL



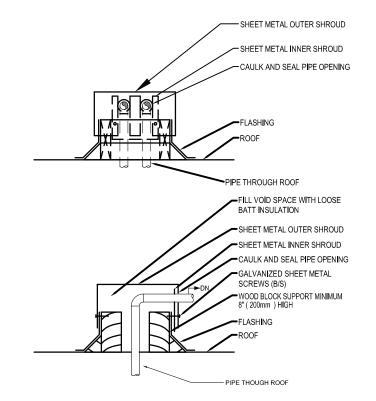


OF SANITARY PIPING

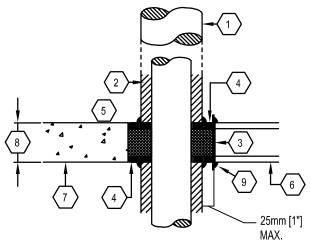










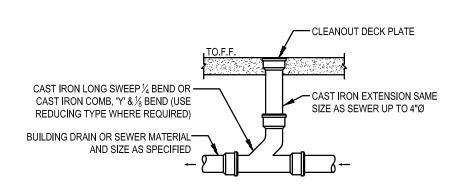


- DETAIL NOTES:
- UNINSULATED PIPE.
- INSULATION (AS SPECIFIED). TERMINATE INSULATION AT FIRE STOP.
- 0.61mm (24 GA.) GALVANIZED STEEL SLEEVE (NOT REQUIRED. FOR CORE DRILLE CONCRETE OPENINGS). MINIMUM 12mm [1/2"] THICK - U.L.C. APPROVED FIRE STOP SEALANT. SEAT BOTH SIDES (TO MAINTAIN RATING ON GYPROC 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.
- 10. PIPE INSTALLATION TO ENSURE THAT NO PIPE EXPANSION OCCURS AT FIRE STOP.



PIPE PENETRATION THROUGH FIRE RATED WALL DETAIL

SCALE: N.T.S.







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Consultants

Legend				
Revision		Ву	Appd.	YY.MM.DD
0 ISSUED FOR CONSTRUCTION		MA	BH	25.06.04
Issued		Ву	Appd.	YY.MM.DD
File Name: 21006-M	GS	WD	MA	25.03.28
	Dwn.	Chkd.	Dsgn.	YY.MM.DD
Dormit Coal				

## ermit-Seal

ENGINEERS GEOSCIENTISTS **MANITOBA** Certificate of Authorization Stantec Consulting Ltd.

No. 1301 PROFESSIONAL PROFESSIONAL

## Client/Project

WINNIPEG TRANSIT MAINTENANCE FACILITY OFFICE REDEVELOPMENT

421 OSBORNE ST. SOUTH, WINNIPEG, MB

MECHANICAL DETAILS

Project No.	Scale	
115421006	N.T.S.	
Drawing No.	Sheet	Revision
M-502	14 of 16	0