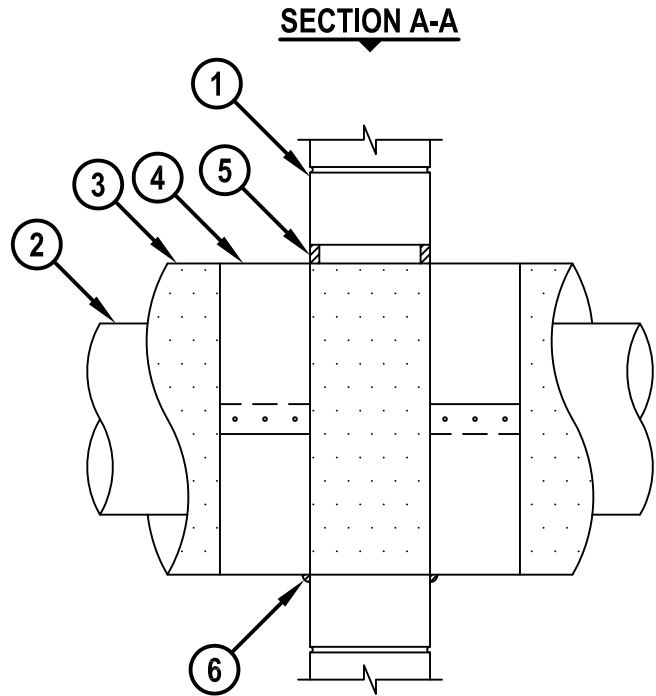
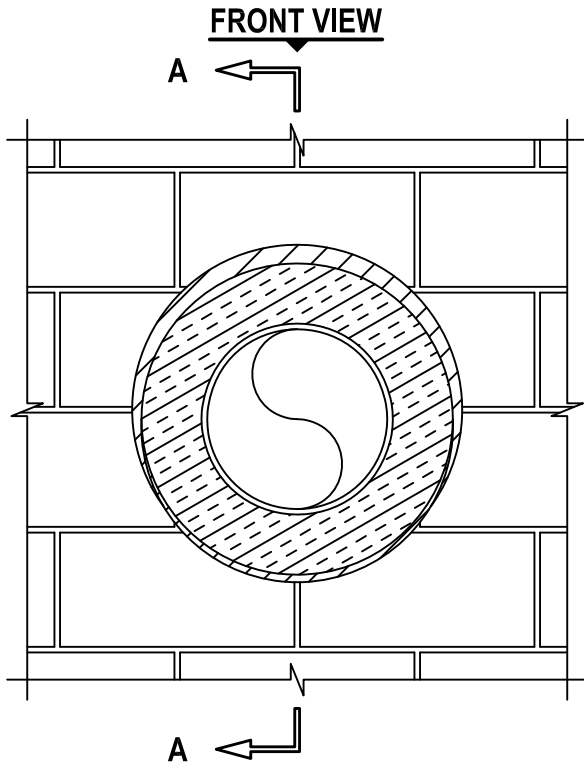


INSULATED METAL PIPE THROUGH CONCRETE WALL OR CONCRETE BLOCK WALL

F-RATING = 2-HR.
T-RATING = 2-HR.

WJ5150b.010915



1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 6" THICK).
 - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
 - A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCH 40 OR HEAVIER).
 - B. MAXIMUM 12" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
3. MAXIMUM 4" THICK CALCIUM SILICATE PIPE INSULATION.
4. MINIMUM 6" LONG JACKET FORMED OF STEEL SHEET (MIN. 0.010" THICK) SECURED WITH THREE NO. 8 SHEET METAL SCREWS OR STEEL BANDING CLAMPS. JACKET TO BE INSTALLED ABUTTING SURFACE OF SEALANT ON BOTH SIDES OF WALL.
5. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT.
6. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 22-1/2".
 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/4".
 3. PIPE INSULATION TO BE SECURED TO PIPE WITH METAL BANDS AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



HILTI, Inc.
Tulsa, Oklahoma USA (800) 879-8000

Sheet	1 of 1
Scale	5/64" = 1"
Date	Jan. 09, 2015

Drawing No.
WJ
5150b