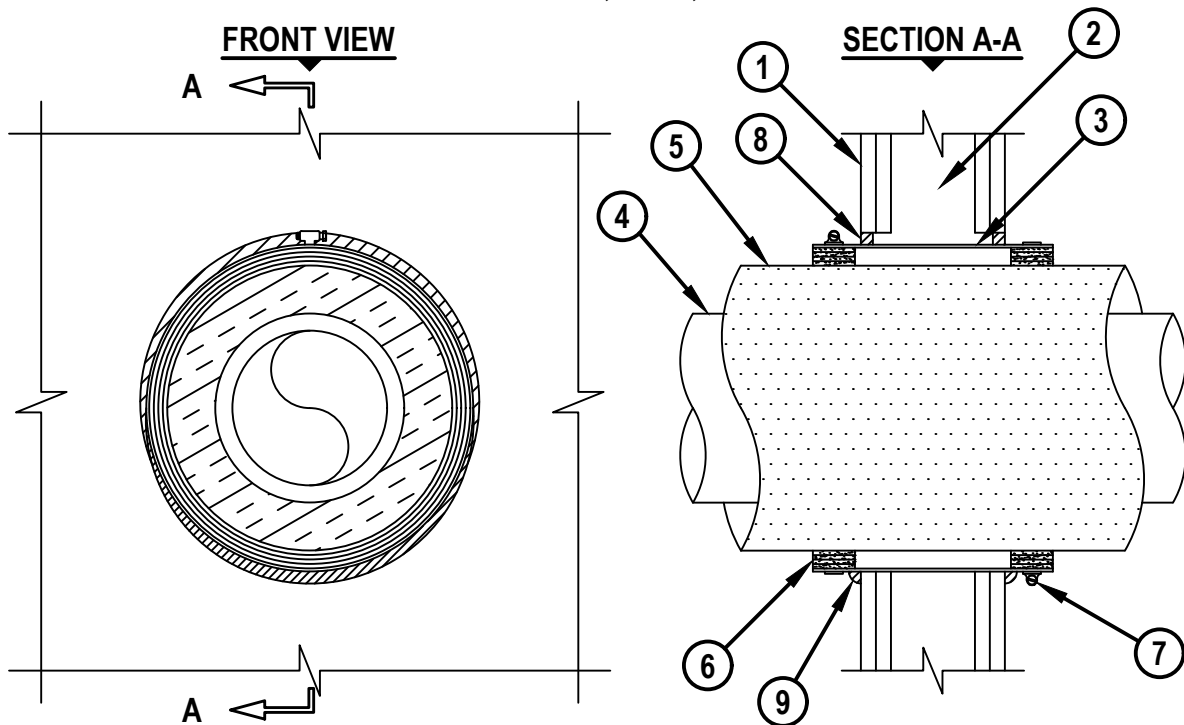


UL SYSTEM NO. W-L-5347

INSULATED PLASTIC PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR.

T-RATING = 0-HR., 1-HR., OR 2-HR.



WL5347c.052721

1. GYPSUM WALL ASSEMBLY (UL CLASSIFIED U300, U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER (SPACED MAXIMUM 16" OC). STEEL STUDS TO BE MINIMUM 3-1/2" WIDE (SPACED MAXIMUM 24" OC).
3. MAXIMUM 13-1/2" DIAMETER STEEL SLEEVE (MIN. 28 GA. SHEET METAL) WITH 1" OVERLAP ALONG LONGITUDINAL SEAM. SLEEVE TO EXTEND NOMINAL 2" BEYOND WALL SURFACES.
4. MAXIMUM 8" (200 mm) DIAMETER AQUATHERM BLUEPIPE PP-R (SDR 11) (CLOSED PIPING SYSTEM).
5. PIPE INSULATION TO CONSIST OF ONE OF THE FOLLOWING :
 - A. NOMINAL 2" THICK CELLULAR GLASS PIPE INSULATION.
 - B. NOMINAL 1" THICK GLASS-FIBER PIPE INSULATION.
6. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1-3/4" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING FOUR TIMES, WITH ENDS BUTTED AND HELD IN PLACE WITH TAPE. WRAP STRIP INSERTED INTO SLEEVE, FLUSH WITH SLEEVE ENDS ON BOTH SIDES OF WALL.
7. NOMINAL 1/2" WIDE STAINLESS STEEL HOSE CLAMP SECURED TO THE SLEEVE AT CENTER OF EACH WRAP STRIP.
8. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
9. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 14".
2. ANNULAR SPACE [AROUND SLEEVE] = MINIMUM 0", MAXIMUM 1/2".

HILTI
Hilti Firestop Systems

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Sheet	1 of 1
Scale	1/8" = 1"
Date	May 27, 2021

Drawing No.

WL
5347c

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