

MULTIPLE HVAC LINE SETS THROUGH GYPSUM WALL ASSEMBLY

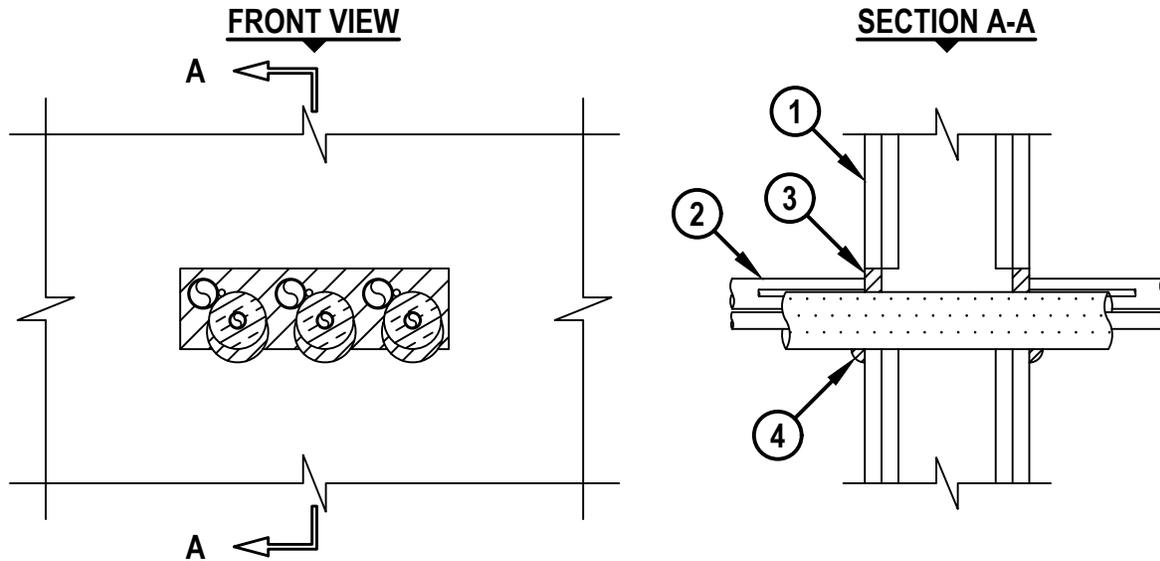
F-RATING = 1-HR. OR 2-HR.

T-RATING = 0-HR. OR 1/4-HR. (SEE ITEM 1)

L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT

L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT

WL8142a.111522



1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN). THE T-RATING IS 0-HR. OR 1/4-HR. FOR 1-HR. AND 2-HR. RATED ASSEMBLIES, RESPECTIVELY.
 - A. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 3-5/8" WIDE.
2. ONE OR MORE HVAC LINE SETS CONSISTING OF THE FOLLOWING, BUNDLED TOGETHER :
 - A. MAXIMUM 1" NOMINAL DIAMETER COPPER PIPE OR TUBING (MAX. QTY. = 2).
 - B. ON ONE OF THE METALLIC PIPES OR TUBES WITH A MAXIMUM NOMINAL DIAMETER OF 1/2", A MAXIMUM 3/4" THICK AB/PVC PIPE INSULATION MAY BE INSTALLED.
 - C. MAXIMUM 4 PAIR NO. 18 AWG THERMOSTAT CABLE WITH PVC JACKET.
3. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
4. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM SIZE OF OPENING = 10" x 3".
 2. ANNULAR SPACE BETWEEN HVAC LINE SETS AND PERIPHERY OF OPENING = MINIMUM 0", MAXIMUM 1-1/2".
 3. ANNULAR SPACE BETWEEN LINE SETS = MINIMUM 1/2", MAXIMUM 3/4".



HILTI, Inc.
 Plano, Texas USA (800) 879-8000

Sheet	1 of 1
Scale	9/64" = 1"
Date	Nov. 15, 2022

Drawing No.
**WL
 8142a**