

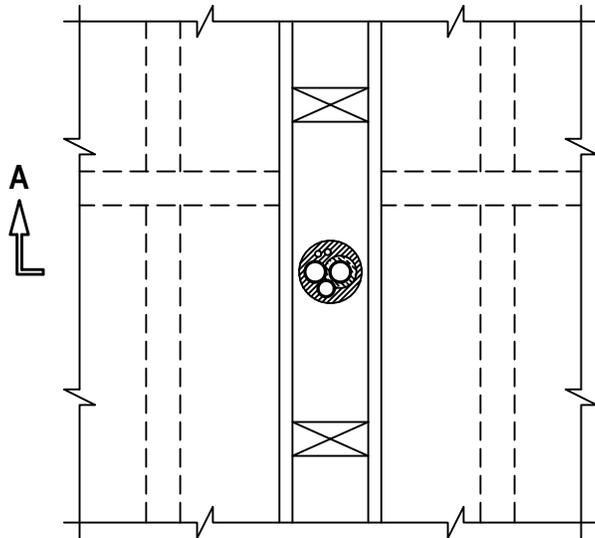
MULTIPLE PENETRATIONS THROUGH WOOD FLOOR/CEILING ASSEMBLY

F-RATING = 1-HR.

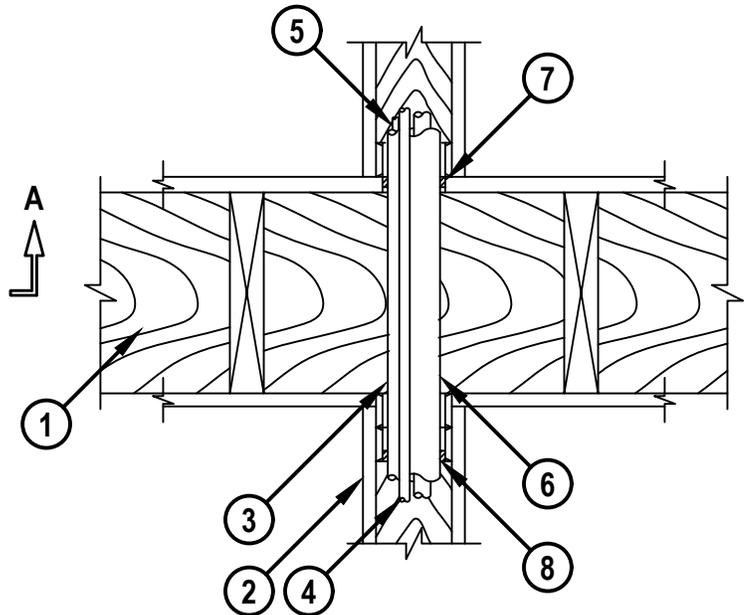
T-RATING = 0-HR.

NOTE : TESTED WITH A 2.5 Pa PRESSURE DIFFERENTIAL

TOP VIEW



SECTION A-A



FC8014g.040423

1. WOOD FLOOR/CEILING ASSEMBLY (UL/cUL CLASSIFIED L500 SERIES) (1-HR. FIRE-RATING).
2. [OPTIONAL] GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300 SERIES) (1-HR. FIRE-RATING) CONSISTING OF NOMINAL 2" x 6", OR PARALLEL 2" x 4" LUMBER PLATES TIGHTLY BUTTED AND STUDS.
3. METALLIC PIPE PENETRATIONS TO INCLUDE ANY OF THE FOLLOWING (MAX. QTY. = 2, ONE 3/4" DIAMETER AND ONE 1/2" DIAMETER) :
 - A. MAXIMUM 3/4" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 5 OR THINNER).
 - B. MAXIMUM 3/4" NOMINAL DIAMETER COPPER PIPE.
 - C. MAXIMUM 3/4" NOMINAL DIAMETER STEEL CONDUIT.
 - D. MAXIMUM 3/4" NOMINAL DIAMETER EMT.
4. MAXIMUM 1/2" NOMINAL DIAMETER PVC/CPVC PLASTIC PIPE (CLOSED OR VENTED PIPING SYSTEM) (MAX. QTY. = 1).
5. MAXIMUM 4/C NO. 18 AWG THERMOSTAT CABLE (MAX. QTY. = 2).
6. NOMINAL 1/2" THICK AB/PVC INSULATION MAY BE INSTALLED ON ONE METALLIC PIPE.
7. MINIMUM 3/4" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT FLUSH WITH TOP SURFACE OF FLOOR OR SOLE PLATE OF CHASE WALL.
8. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT FLUSH WITH BOTTOM SURFACE OF CEILING OR LOWER TOP PLATE.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 3".
 2. PIPES AND CABLES TO BE BUNDLED TOGETHER.
 3. ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3/4".
 4. PVC = SCH 40, SOLID CORE; CPVC = SDR 17.



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Sheet	1 of 1
Scale	7/64" = 1"
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Drawing No.
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