

UL/cUL SYSTEM NO. F-A-1202

METAL PIPE THROUGH CONCRETE FLOOR ASSEMBLY

F-RATING = 2-HR.

T-RATING = 0-HR. OR 1/2-HR. (SEE NOTE NO. 2 BELOW)

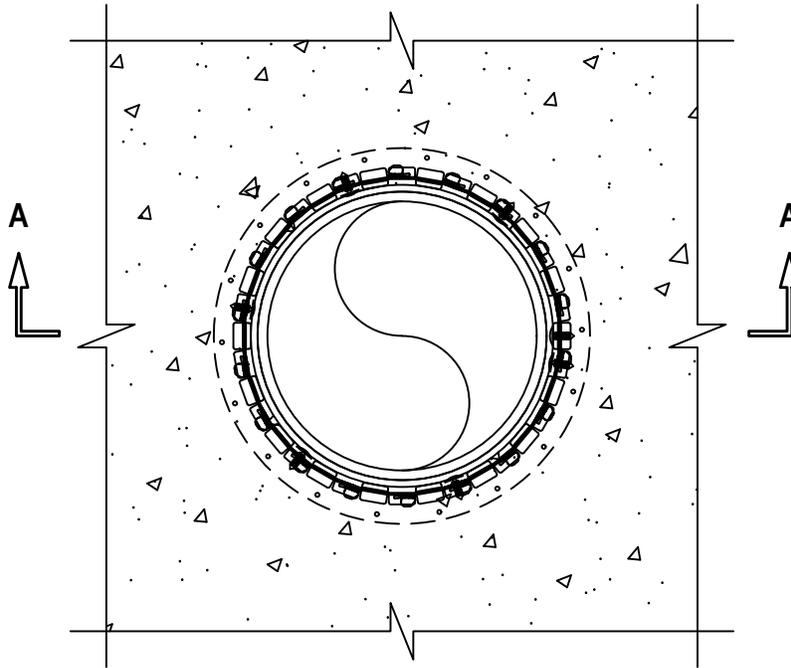
L-RATING AT AMBIENT = LESS THAN 1 CFM PER DEVICE AND 1.47 CFM PER DEVICE

L-RATING AT 400°F = LESS THAN 1 CFM PER DEVICE

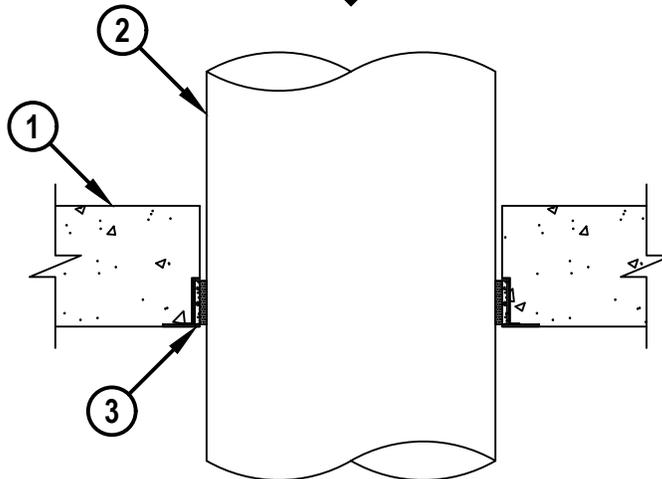
W-RATING = CLASS I (SEE ITEM 4 AND NOTE BELOW)

FA1202b.102522

TOP VIEW



SECTION A-A



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

Sheet	1 of 2
Scale	9/64" = 1"
Date	Oct. 25, 2022

Drawing No.

**FA
1202b**

Saving Lives through Innovation and Education

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1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR ASSEMBLY (MINIMUM 4-1/2" THICK) (2-HR. FIRE-RATING).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING (SEE TABLE BELOW) :
 - A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER).
 - B. MAXIMUM 10" NOMINAL DIAMETER CAST IRON PIPE.
 - C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
 - D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
3. HILTI CFS-CID M [8" OR 10"] FIRESTOP CAST-IN DEVICE CAST OR GROUTED INTO CONCRETE FLOOR.
4. [NOT SHOWN] WHEN PIPE DIAMETER DOES NOT EQUAL DEVICE SIZE, INSTALL EACH OF THE ITEMS 4A AND 4B LISTED BELOW. W-RATING APPLIES WHEN ITEMS 4A AND 4B ARE INSTALLED. FOR ALTERNATIVE REQUIREMENTS FOR W-RATING WHEN NOMINAL PIPE SIZE EQUALS DEVICE SIZE, SEE NOTE BELOW.
 - A. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED, RECESSED TO ACCOMMODATE SEALANT.
 - B. MINIMUM 1/2" DEPTH HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT, OR HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT FLUSH WITH TOP SURFACE OF FLOOR.

NOTES : 1. [OPTIONAL] FOR W-RATING ONLY, WHEN NOMINAL PIPE DIAMETER EQUALS THE DEVICE SIZE, THE FOLLOWING MATERIALS MUST BE INSTALLED :

- A. MINIMUM 2-1/2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED TO ACCOMMODATE SEALANT - MINERAL WOOL SHALL NOT EXTEND INTO THE WRAP STRIP LAYERS.
- B. MINIMUM 1/2" DEPTH HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT OR HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT FLUSH WITH TOP SURFACE OF FLOOR.

2. THE T-RATING IS 0-HR. WHEN COPPER PIPE (ITEM 2C) IS USED.



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Scale	-
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