## UL/cUL SYSTEM NO. F-A-8004

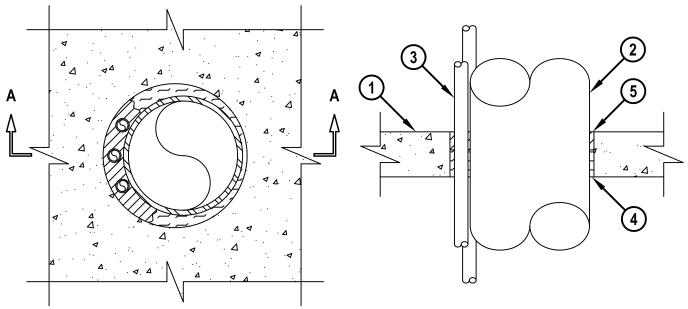
## STEEL TUBE AND CABLES THROUGH CONCRETE FLOOR OR CONCRETE FLOOR OVER METAL DECKING

F-RATING = 2-HR.

T-RATING = 0-HR.

**BOTTOM VIEW** 

**SECTION A-A** 



- 1. CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING):
  - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK).
  - B. STEEL FLOOR UNIT/FLOOR ASSEMBLY NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK) OVER METAL DECKING.
- 2. MAXIMUM 6" NOMINAL DIAMETER STEEL TUBE (16 GA.).
- 3. TWO PAIR NO. 22 AWG FOIL SHIELDED COMMUNICATION CABLES (MAX. QTY. = 3).
- 4. MINIMUM 1-1/2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
- 5. MINIMUM 1" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 8".

- 2. ANNULAR SPACE BETWEEN TUBE AND PERIPHERY OF OPENING = MIN. 1/4", MAX. 1-3/4".
- 3. ANNULAR SPACE BETWEEN CABLES AND PERIPHERY OF OPENING = MINIMUM 1/4".
- 4. ANNULAR SPACE BETWEEN CABLES AND STEEL TUBE = MINIMUM 0", MAXIMUM 1".



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Sheet	1 of 1
Scale	1/8" = 1"
Date	Jan. 07, 2015

Drawing No. FA 8004b

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