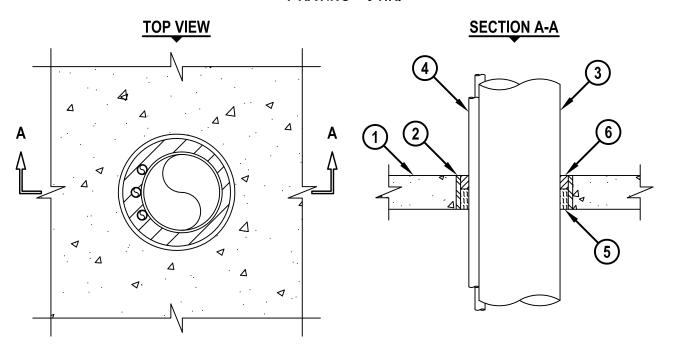
UL/cUL SYSTEM NO. C-AJ-8081

STEEL TUBE AND CABLES THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 2-HR. T-RATING = 0-HR.



- 1. CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK).
 - B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 3-1/2" THICK).
 - C. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
- 2. [OPTIONAL] ANY OF THE FOLLOWING STEEL SLEEVES MAY BE USED:
 - A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER) MAY EXTEND MAXIMUM 3" ABOVE FLOOR OR BEYOND BOTH SURFACES OF WALL.
 - B. MAXIMUM 6" (MIN. 26 GA.) OR 8" (MIN. 24 GA.) DIAMETER GALVANIZED STEEL SLEEVE WITH SQUARE FLANGE SPOT WELDED TO BOTTOM OR MID-HEIGHT OF SLEEVE AND SIZED MINIMUM 2" LARGER THAN SLEEVE DIAMETER. SLEEVE MAY EXTEND MAXIMUM 1" ABOVE TOP SURFACE OF FLOOR, AND MAXIMUM 4" BELOW BOTTOM SURFACE OF FLOOR.
- 3. MAXIMUM 6" NOMINAL DIAMETER STEEL TUBE (16 GA.).
- 4. TWO PAIR NO. 22 AWG FOIL SHIELDED COMMUNICATION CABLES (MAX. QTY. = 3).
- 5. MINIMUM 1-1/2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
- 6. 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 = MINIMUM 1/4", MAXIMUM 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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Scale	9/64" = 1"
Date	Jan. 06, 2015

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