UL/cUL SYSTEM NO. W-J-4016

SPINE CABLE TRAY THROUGH CONCRETE WALL OR CONCRETE BLOCK WALL

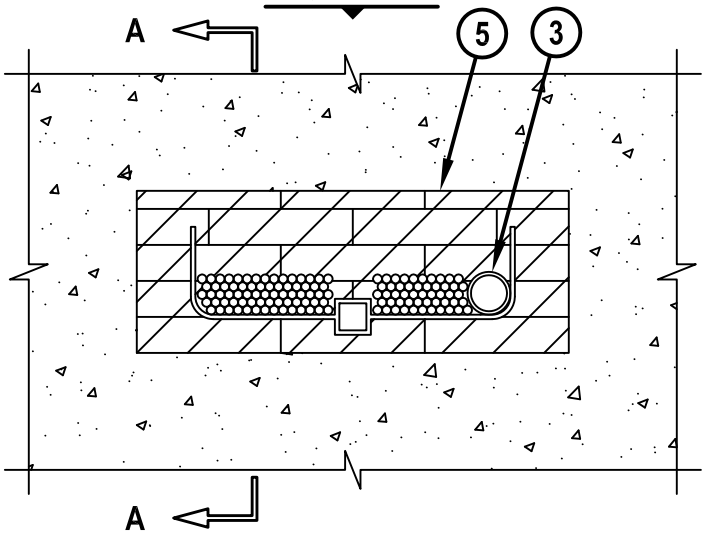
F-RATING = 2-HR.

T-RATING = 0-HR.

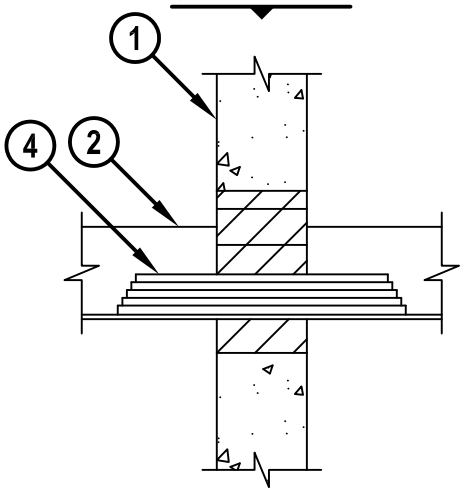
NOTE : TESTED TO A 2.5 Pa PRESSURE DIFFERENTIAL

WJ4016f.010915

FRONT VIEW



SECTION A-A



1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :
   - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 5" THICK).
   - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. MAXIMUM 18" x 6" ALUMINUM SPINE CABLE TRAY.
3. MAXIMUM 2" NOMINAL DIAMETER INNERDUCT (CLOSED SYSTEM ONLY).
4. ANY OF THE FOLLOWING CABLES MAY USED WITHIN CABLE TRAY :
   - A. RG 59 COAXIAL CABLE.
   - B. MAXIMUM 6 PAIR NO. 24 AWG TELEPHONE CABLE.
   - C. DATA/COMMUNICATION CABLE (3 PAIR NO. 24 GAUGE MULTIPLE CONNECTOR).
   - D. MAXIMUM 3/C NO. 12 AWG METAL CLAD CABLE WITH PVC JACKET.
   - E. 24 FIBER-OPTIC CABLE.
   - F. MAXIMUM 2/C NO. 10 AWG (+GRND), ROMEX.
5. HILTI CFS-BL FIRESTOP BLOCK OR HILTI FS 657 FIRE BLOCK (2" THICK, 8" WIDE, 5" DEEP, REFERENCE : FRONT VIEW) FIRMLY PACKED AND CENTERED WITHIN WALL. ONE OR A COMBINATION OF BLOCK TYPES MAY BE USED (SEE NOTE NO. 5 BELOW).

NOTES :
1. MAXIMUM AREA OF OPENING = 216 SQ. IN., WITH A MAXIMUM DIMENSION OF 24".
2. ANNULAR SPACE = MINIMUM 1", MAXIMUM 4-1/2".
3. MAXIMUM AREA OF CABLES EQUAL 22% OF CROSS-SECTIONAL AREA OF CABLE TRAY (BASED ON A MAXIMUM 6" LOADING DEPTH).
4. APPLY HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT OR HILTI CP 618 FIRESTOP PUTTY STICK INTO INTERSTICES OF CABLES, BETWEEN CABLES AND CABLE TRAY, AND ANY VOIDS TO MAXIMUM EXTENT POSSIBLE.
5. FOR BLOCK WALLS, FIRESTOP/FIRE BLOCKS TO FILL ENTIRE THICKNESS OF WALL UNLESS WALL IS SOLID FILLED.