

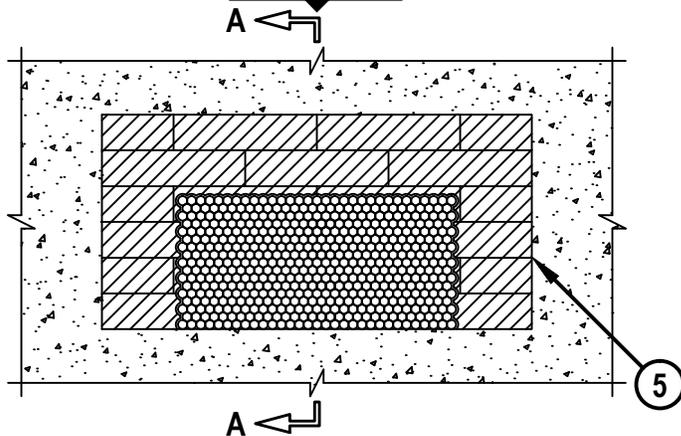
CABLES THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR.

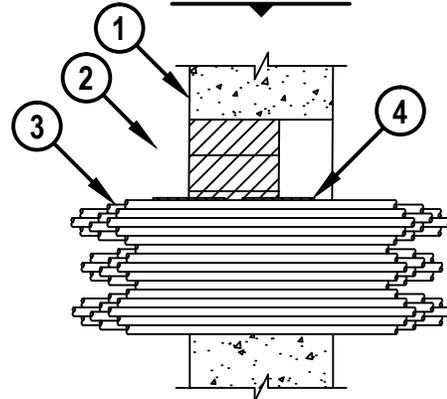
T-RATING = 0-HR.

NOTE : TESTED WITH A 2.5 Pa PRESSURE DIFFERENTIAL

FRONT VIEW



SECTION A-A



1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 8" THICK).
 - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. CABLE RACK [NOT SHOWN] : MAXIMUM 20" WIDE LADDER TYPE CABLE RACK, NON CONTINUOUS THROUGH OPENING, SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
3. CABLES TO BE A COMBINATION OF ANY OF THE FOLLOWING :
 - A. MAXIMUM 300 PAIR NO. 24 AWG TELEPHONE CABLE.
 - B. MAXIMUM 750 KCMIL SINGLE CONDUCTOR POWER CABLE.
4. HILTI CP 617 FIRESTOP PUTTY PAD (MIN. 6" x 4" x 1/4" THICK) APPLIED AROUND THREE ACCESSIBLE SIDES OF CABLE BUNDLE, EXTENDING 2" BEYOND EACH SURFACE OF FIRESTOP/FIRE BLOCKS.
5. HILTI CFS-BL FIRESTOP BLOCK OR HILTI FS 657 FIRE BLOCK (2" THICK x 8" WIDE x 5" DEEP, REFERENCE : FRONT VIEW) FIRMLY PACKED AND CENTERED WITHIN OR FLUSH WITH EITHER SURFACE OF WALL. EITHER ONE OR A COMBINATION OF BLOCK TYPES MAY BE USED (SEE NOTE NO. 4 BELOW).

- NOTES :**
1. MAXIMUM AREA OF OPENING = 288 SQ. IN., WITH A MAXIMUM DIMENSION OF 24".
 2. ANNULAR SPACE BETWEEN CABLES AND PERIPHERY OF OPENING = MINIMUM 0".
 3. CABLES TO FILL MAXIMUM 34% OF CROSS-SECTIONAL AREA OF OPENING.
 4. FOR CONCRETE WALLS AND SOLID FILLED CONCRETE BLOCK WALLS, FIRESTOP/FIRE BLOCKS MAY BE INSTALLED 5" DEEP. FOR HOLLOW BLOCK WALLS, FIRESTOP/FIRE BLOCKS SHALL BE INSTALLED 8" DEEP.
 5. [OPTIONAL - NOT SHOWN] OPENING MAY ALSO CONTAIN MAXIMUM 1" NOMINAL DIAMETER STEEL CONDUIT OR EMT, (MAXIMUM QUANTITY = 2), SPACED MINIMUM 1/2" APART. ANNULAR SPACE BETWEEN CABLES AND CONDUIT, AND CONDUIT AND PERIPHERY OF OPENING = 1-3/4" AND 3/4" RESPECTIVELY.
 6. [OPTIONAL - NOT SHOWN] OPENING MAY ALSO CONTAIN MAXIMUM 2" NOMINAL DIAMETER ENT (MAXIMUM QUANTITY = 2) SPACED, MINIMUM 0" APART. ANNULAR SPACE BETWEEN CABLES AND ENT, AND ENT AND PERIPHERY OF OPENING = 2" AND 5/8" RESPECTIVELY.

WJ8018d.011112



HILTI, Inc.
Tulsa, Oklahoma USA (800) 879-8000

Sheet	1 of 1
Scale	3/32" = 1"
Date	Jan. 11, 2012

Drawing No.

**WJ
8018d**