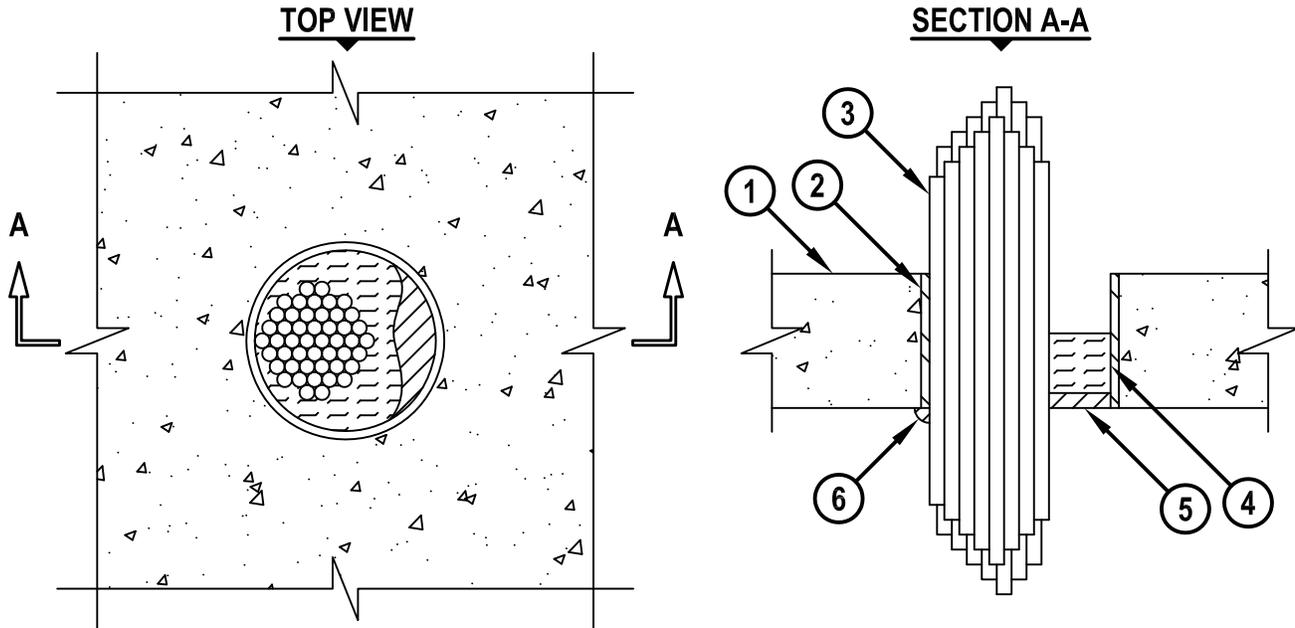


**CABLE BUNDLE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL**

F-RATING = 3-HR.

T-RATING = 0-HR., 1/2-HR., 3/4-HR. OR 1-HR.

CAJ3239c.010615



1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING) :
  - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
  - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
2. [OPTIONAL] MAXIMUM 6" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 10 OR HEAVIER).
3. CABLE BUNDLE TO CONSIST OF ANY COMBINATION OF THE FOLLOWING :
  - A. MAXIMUM 7/C NO. 12 AWG POWER CABLE WITH PVC JACKET.
  - B. MAXIMUM 300 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC JACKET.
  - C. TYPE RG/6 COAXIAL CABLE WITH FLUORINATED ETHYLENE JACKET.
  - D. MAXIMUM 3/C NO. 12 AWG METAL CLAD CABLE.
  - E. MAXIMUM 3/C (+GROUND) 2/0 AWG ALUMINUM CONDUCTOR SER CABLE.
  - F. MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLE WITH PVC JACKET.
  - G. MAXIMUM 1/C 750 KCMIL POWER CABLE WITH PVC JACKET.
  - H. MAXIMUM 1" DIAMETER METAL CLAD TEK CABLE WITH PVC JACKET.
4. MINIMUM 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
5. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT FLUSH WITH BOTTOM OF FLOOR.
6. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

**NOTES :** 1. MAXIMUM DIAMETER OF OPENING = 6".  
 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/2".  
 3. CABLES TO FILL MAXIMUM 33% OF CROSS-SECTIONAL AREA OF OPENING.  
 4. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.



HILTI, Inc.  
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Sheet	1 of 1
Scale	5/32" = 1"
Date	Jan. 06, 2015

Drawing No.  
**CAJ  
 3239c**