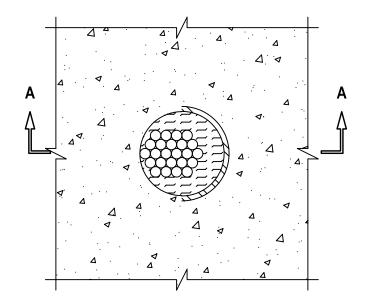
UL/cUL SYSTEM NO. C-AJ-3210

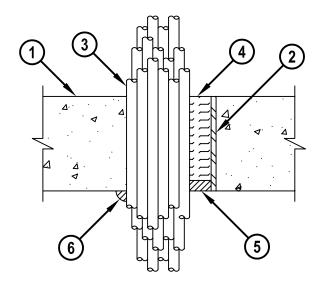
CABLE BUNDLE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 3-HR. T-RATING = 0-HR.

TOP VIEW

SECTION A-A





- 1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MIN. 4-1/2" THICK).
 - B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
- 2. OPTIONAL: MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 10 OR HEAVIER).
- 3. CABLE BUNDLE TO BE A COMBINATION OF ANY OF THE FOLLWOING:
 - A. MAXIMUM 300 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC JACKET.
 - B. MAXIMUM 750 KCMIL POWER CABLE WITH PVC JACKET.
 - C. MAXIMUM 7/C NO. 12 AWG POWER CABLE WITH PVC JACKET.
 - D. MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLE (24 FIBER).
 - E. MAXIMUM 3/C NO. 12 AWG METAL-CLAD CABLE.
 - F. MAXIMUM 1" DIAMETER METAL-CLAD TEK CABLE WITH PVC JACKET.
- 4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSTIY) TIGHTLY PACKED.
- 5. MINIMUM 1/2" DEPTH HILTI CP 618 FIRESTOP PUTTY STICK FLUSH WITH BOTTOM OF FLOOR.
- 6. MINIMUM 1/2" BEAD HILTI CP 618 FIRESTOP PUTTY STICK.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 4".

- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1".
- 3. CABLES TO FILL MAXIMUM 60% OF CROSS-SECTIONAL AREA OF OPENING.
- 4. MINIMUM 1/2" DEPTH HILTI CP 618 FLEXIBLE FIRESTOP PUTTY STICK IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.



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Sheet	1 of 1
Scale	7/32" = 1"
Date	Nov. 18. 2002

CAJ 3210a