

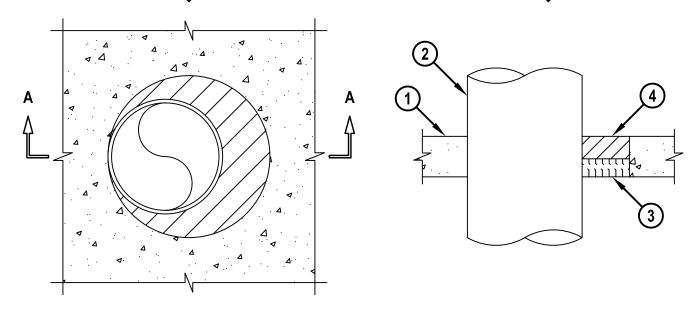
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METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR. FT-RATING = 0-HR. FH-RATING = 0-HR. FTH-RATING = 0-HR.

TOP VIEW

SECTION A-A



- 1. CONCRETE FLOOR OR WALL ASSEMBLY (2-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 (SOLID OR FILLED).
- 2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
 - A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER).
 - **B. MAXIMUM 12" NOMINAL DIAMETER CAST IRON PIPE.**
 - C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
 - D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
 - E. MAXIMUM 4" NOMINAL DIAMETER EMT.
- 3. MINIMUM 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED TO ACCOMMODATE FIRESTOP FOAM.
- 4. MINIMUM 2-1/2" DEPTH HILTI CP 660 FIRESTOP FOAM FLUSH WITH TOP SURFACE OF FLOOR.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 18".

- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 5-1/4".
- 3. MINIMUM 2-1/2" DEPTH HILTI CP 660 FIRESTOP FOAM IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.



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Sheet	1 of 1
Scale	3/32" = 1"
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