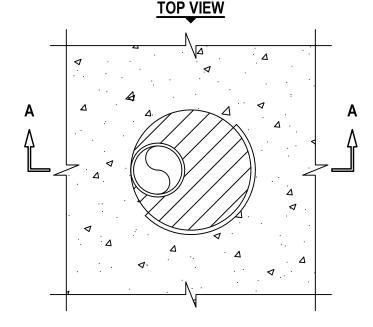
## CANADA ONL

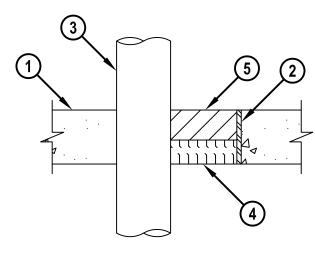
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## METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY

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

SECTION A-A





- 1. CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING):
  - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).
  - B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 7" THICK).
  - C. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
- 2. [OPTIONAL] MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER).
- 3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
  - A. MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
  - B. MAXIMUM 4" NOMINAL DIAMETER CAST IRON PIPE.
  - C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
  - D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT OR EMT.
- 4. MINIMUM 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED TO ACCOMMODATE FIRESTOP FOAM.
- 5. MINIMUM 2-1/2" DEPTH HILTI CP 660 FIRESTOP FOAM FLUSH WITH TOP SURFACE OF FLOOR.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 10".

- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 5-7/8".
- 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	1/8" = 1"
Date	Jan. 27, 2016

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