

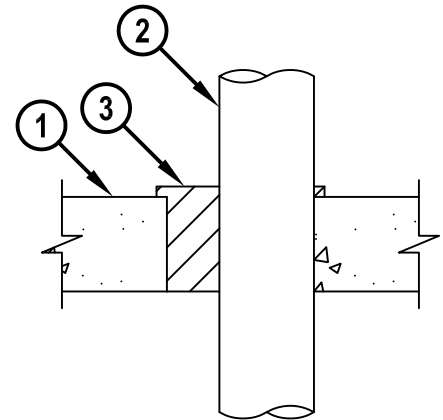
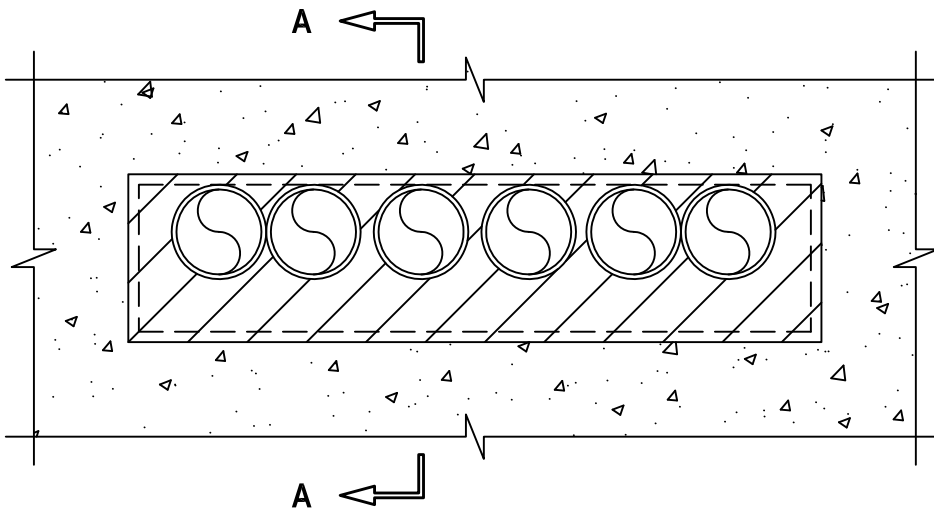
**MULTIPLE METAL CONDUITS THROUGH CONCRETE FLOOR/WALL
OR BLOCK WALL ASSEMBLY**

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

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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.
2. PENETRATING ITEMS TO BE ONE OR MORE OF THE FOLLOWING :
 - A. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
 - B. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINIMUM 5" DEPTH HILTI CP 660 FIRESTOP FOAM EXTENDING 1/2" ABOVE THE TOP SURFACE OF THE FLOOR OR BOTH SURFACES OF WALL AND OVERLAPPING THE CONCRETE 1/2" ON ALL SIDES OF OPENING.

NOTES : 1. MAXIMUM SIZE OF OPENING = 32" x 7".
 2. ANNULAR SPACE BETWEEN CONDUITS = MINIMUM 0", MAXIMUM 1/2".
 3. ANNULAR SPACE BETWEEN CONDUITS AND PERIPHERY OF OPENING = MINIMUM 0", MAXIMUM 2-3/4".



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|-------|---------------|
| Sheet | 1 of 1 |
| Scale | 7/64" = 1" |
| Date | Jan. 27, 2016 |

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