

SUL WJ1299a.101118

ALUMINUM TUBING THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR.

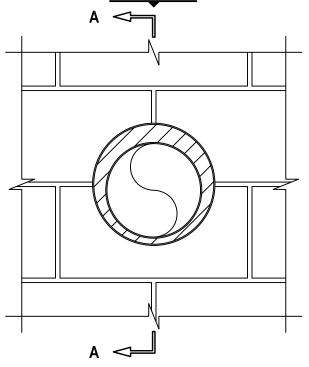
FT, FH, AND FTH-RATINGS = 0-HR.

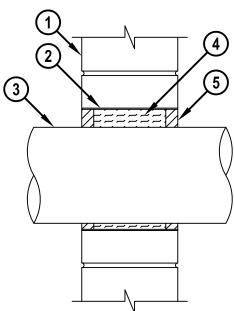
L-RATING AT AMBIENT = LESS THAN 5.1 L/S/M²

L-RATING AT 204 C = LESS THAN 5.1 L/S/M²

FRONT VIEW

SECTION A-A





- 1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 6" THICK).
 - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
- 2. MAXIMUM 10" DIAMETER SHEET METAL SLEEVE (MIN. 28 GA.) WITH 2" OVERLAP ALONG LONGITUDINAL SEAM, SLEEVE ENDS TO BE FLUSH WITH WALL SURFACES.
- 3. MAXIMUM 8" NOMINAL DIAMETER ALUMINUM TUBING (MINIMUM WALL THICKNESS OF 0.060").
- 4. MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED TO FILL OPENING, RECESSED TO ACCOMMODATE SEALANT.
- 5. MINIMUM 1" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT FLUSH WITH ENDS OF SLEEVE.

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

2. ANNULAR SPACE = MINIMUM 1/2", MAXIMUM 1-1/2".



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Sheet	1 of 1
Scale	1/8" = 1"
Date	Oct. 11, 2018

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