

PLASTIC TUBING THROUGH CONCRETE WALL OR CONCRETE BLOCK WALL ASSEMBLY

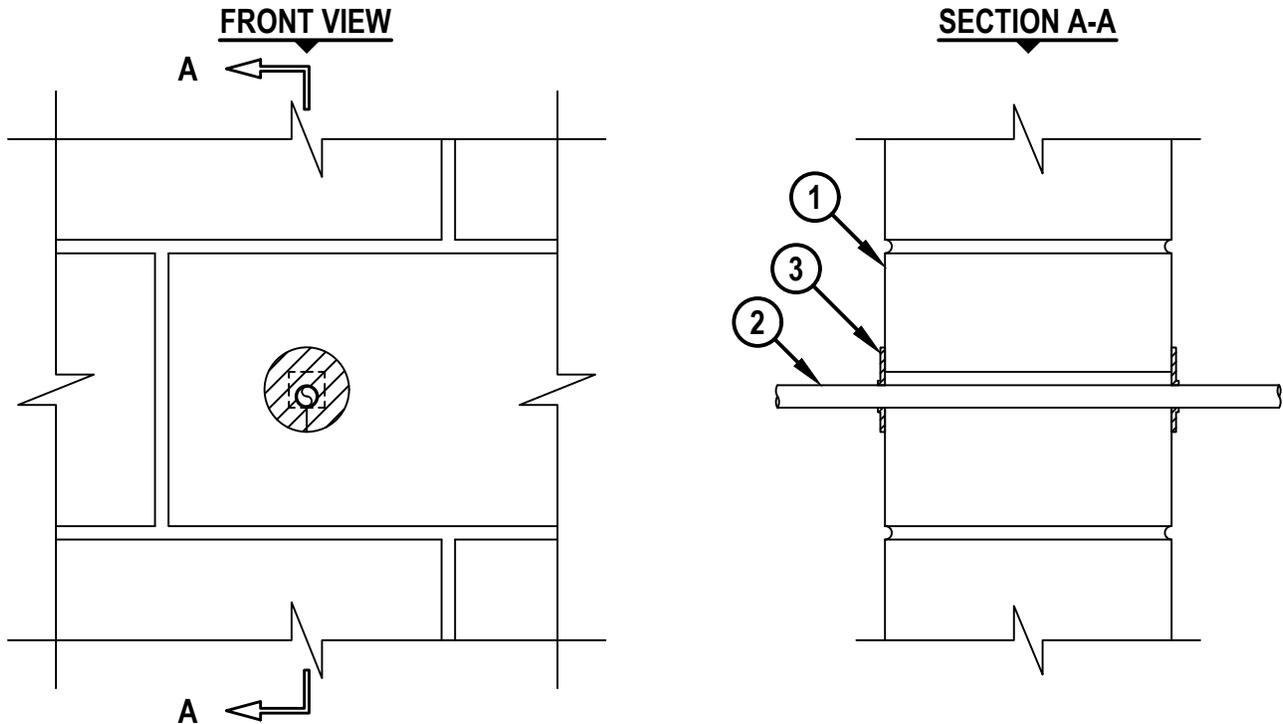
F-RATING = 2-HR.

T-RATING = 2-HR.

L-RATING AT AMBIENT = LESS THAN 1 CFM / OPENING

L-RATING AT 400°F = LESS THAN 1 CFM / OPENING

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1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 6" THICK).
 - B. ANY UL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
 - A. MAXIMUM 1/2" NOMINAL DIAMETER DURA-LINE MICRODUCT (MIN. 0.057" WALL THICKNESS) (MANUFACTURED BY A-D TECHNOLOGIES) (CLOSED PIPING SYSTEM).
 - B. MAXIMUM 3/4" NOMINAL DIAMETER PEX TUBING (SDR 9) (CLOSED PIPING SYSTEM).
3. HILTI CFS-D 1" FIRESTOP CABLE DISC PRESSED FIRMLY AROUND THE PIPE LAPPING NOMINAL 5mm ONTO PIPE COMPLETELY COVERING OPENING AND FIRMLY PRESSED TO LAP ONTO THE WALL. DISC SEAM TO BE FIRMLY PRESSED AND SEALED TIGHT.

NOTES: 1. OPENING MAY BE ROUND, RECTANGULAR, OR IRREGULAR WITH A MAXIMUM DIAMETER OF DIMENSION OF 1".
 2. ANNULAR SPACE BETWEEN PENETRANT AND PERIPHERY OF OPENING = MINIMUM 0", MAXIMUM 1/2".



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| Sheet | 1 of 1 |
| Scale | 3/16" = 1" |
| Date | Sep. 05, 2017 |

Drawing No.
**WJ
 2267b**