

UL/cUL SYSTEM NO. F-B-5009

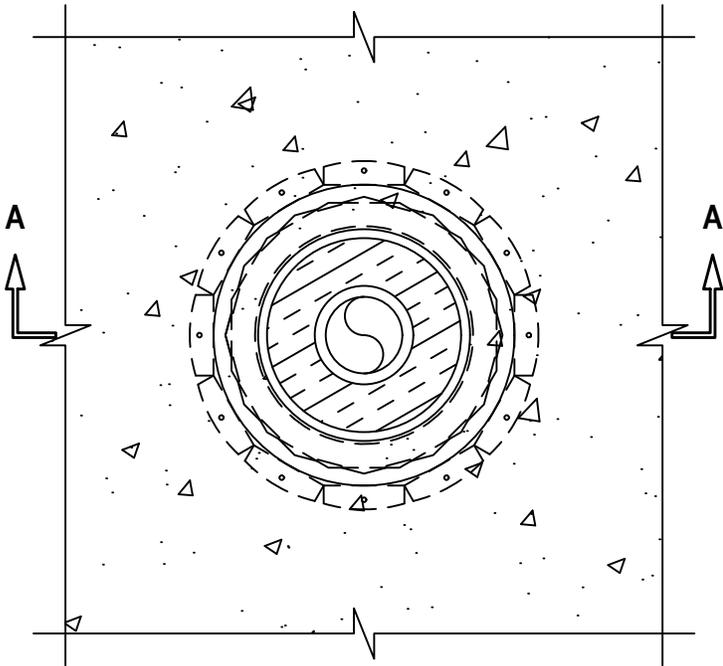
INSULATED METAL PIPE THROUGH CONCRETE FLOOR ASSEMBLY

F-RATING = 2-HR.

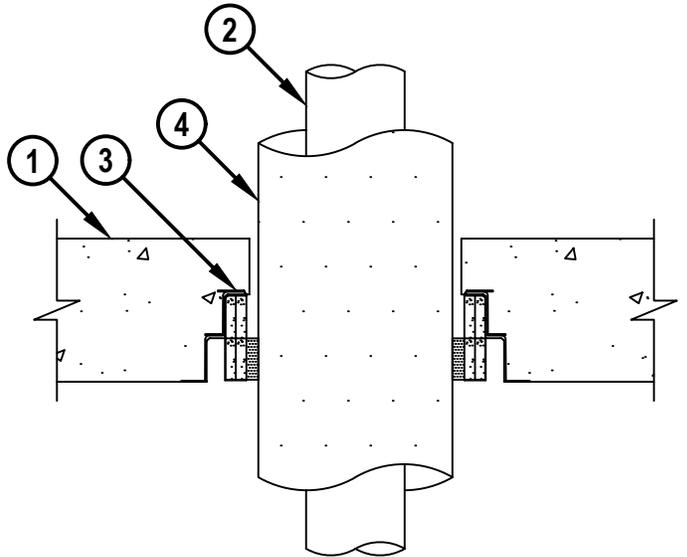
T-RATING = 1-1/4-HR., 1-3/4-HR., OR 2-HR.

FB5009b.071917

TOP VIEW



SECTION A-A



1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR ASSEMBLY (MINIMUM 6" THICK) (2-HR. FIRE-RATING).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING (SEE TABLE BELOW) :
 - A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 40 OR HEAVIER).
 - B. MAXIMUM 8" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
 - C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE OR TUBING.
3. HILTI CFS-CID P [8" OR 10"] FIRESTOP CAST-IN DEVICE CAST OR GROUTED INTO CONCRETE FLOOR.
4. NOMINAL 1" OR 2" THICK GLASS-FIBER PIPE INSULATION.

THE METALLIC PENETRANT AND PIPE COVERING SHALL BE SIZED AS FOLLOWS :

DEVICE SIZE	NOM PIPE DIAM.	PIPE TYPE	GLASS-FIBER THICKNESS	T-RATING
8"	6"	ALL	1"	1-3/4 HR.
8"	4"	ALL	2"	2 HR.
10"	8"	STEEL, IRON	1"	1-1/4 HR.
10"	6"	STEEL, IRON	2"	2 HR.



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Sheet 1 of 1
Scale 1/8" = 1"
Date July 19, 2017

Drawing No.
FB 5009b

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