

UL SYSTEM NO. F-A-2412
PLASTIC PIPE THROUGH CONCRETE FLOOR

F-RATING = 2-HR. OR 3-HR.

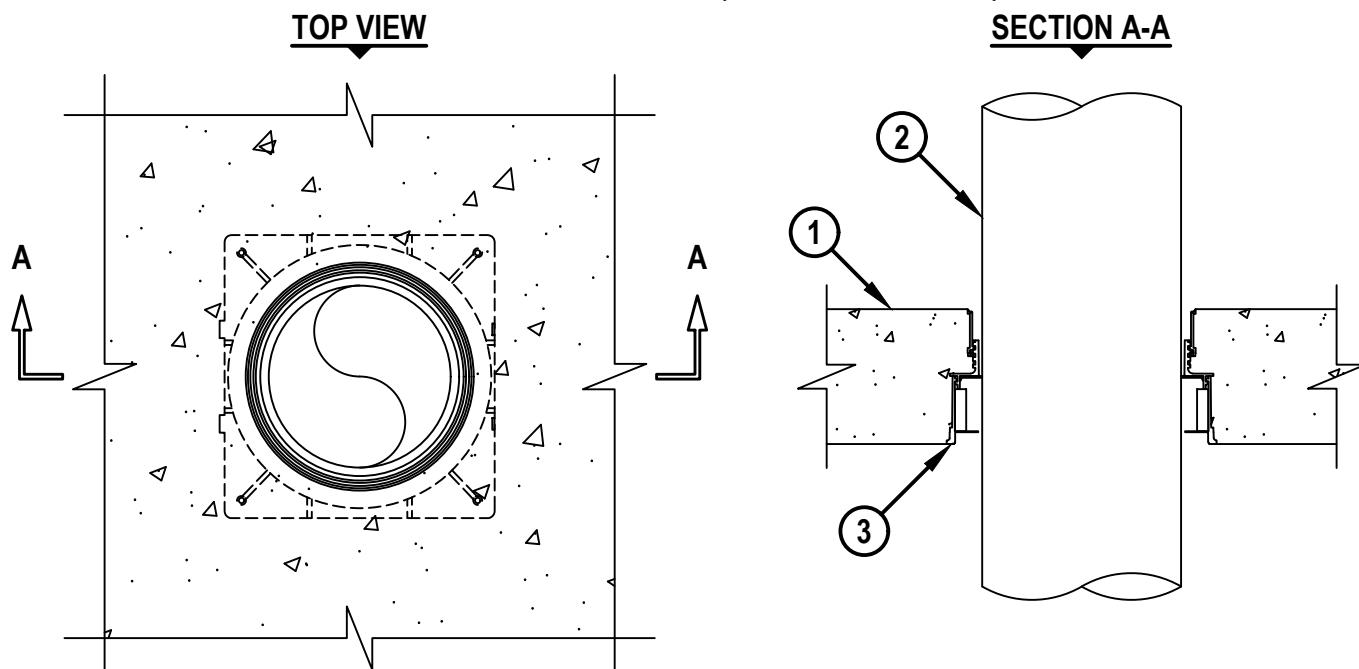
T-RATING = 0-HR.

L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT

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

W-RATING = CLASS I (SEE TABLE BELOW)

FA2412b.053124



1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK) (3-HR. FIRE-RATING).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING (SEE TABLE BELOW) :
 - A. MAXIMUM 4" NOMINAL DIAMETER ABS PLASTIC PIPE (SCHEDULE 40) (CELLULAR AND SOLID CORE).
 - B. MAXIMUM 6" NOMINAL DIAMETER FRPP PLASTIC PIPE (SCHEDULE 40).
3. HILTI CFS-CID U [2", 3", 4", OR 6"] OR CFS-CID U 2" CA CAST-IN FIRESTOP DEVICE CAST OR GROUTED INTO CONCRETE FLOOR (SEE TABLE BELOW).

NOMINAL PIPE DIAMETER	PRODUCT DESCRIPTION	W-RATING*	F-RATING
1-1/4"	CFS-CID U 2", CFS-CID U 2" CA	YES	2-HR.
1-1/2" TO 2"	CFS-CID U 2", CFS-CID U 2" CA	YES	3-HR.
2" TO 3"	CFS-CID U 3"	YES	3-HR.
3" TO 4"	CFS-CID U 4"	YES	3-HR.
6"	CFS-CID U 6"	YES	3-HR.

*WHEN W-RATING IS REQUIRED - WHEN NOMINAL PIPE DIAMETER MATCHES DEVICE SIZE, PIPE MAY BE INSTALLED IN ANY ORIENTATION. WHEN NOMINAL PIPE DIAMETER IS SMALLER THAN DEVICE SIZE, PIPE MUST BE INSTALLED FROM THE BOTTOM.

NOTE : CLOSED OR VENTED PIPING SYSTEMS.



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Sheet

1 of 1

Scale

5/32" = 1"

Date

May 31, 2024

Drawing No.
**FA
2412b**