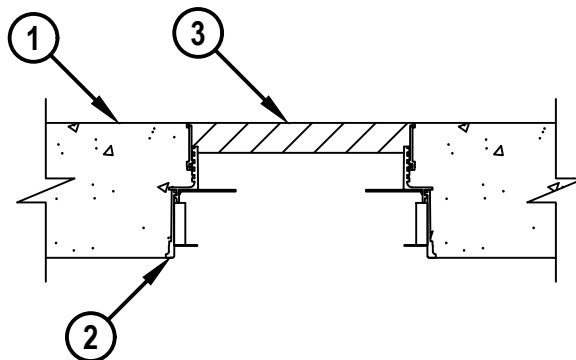
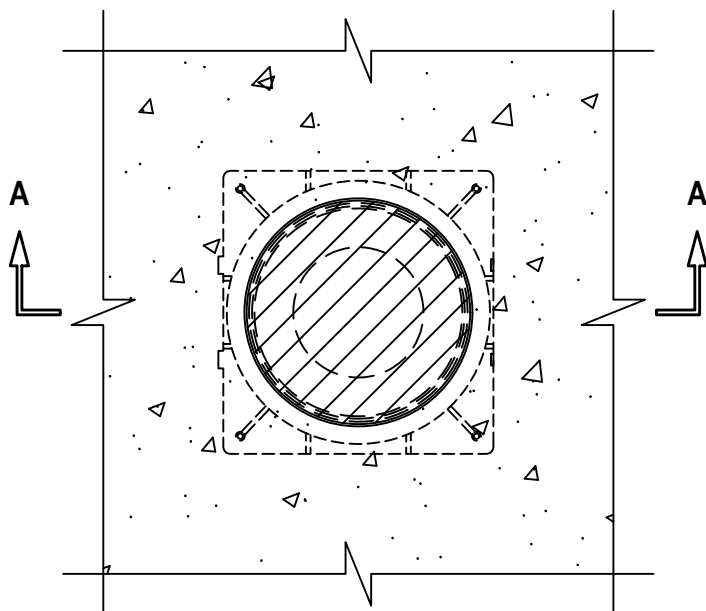


BLANK OPENING THROUGH CONCRETE FLOOR

F-RATING = 3-HR.

T-RATING = 0-HR., 2-1/2-HR., OR 3-HR. (SEE NOTES NO. 1 AND 2 BELOW)

TOP VIEW**SECTION A-A**

1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK) (3-HR. FIRE RATING).
2. HILTI CFS-CID U [2", 3", 4", OR 6"] OR CFS-CID U 2" CA CAST-IN FIRESTOP DEVICE CAST OR GROUTED INTO CONCRETE WITH A MAXIMUM 2" EXTENSION ABOVE FLOOR.
3. MINIMUM 1" DEPTH HILTI CP 618 FIRESTOP PUTTY STICK (SEE NOTE NO. 1 BELOW).

NOTES : 1. AS AN ALTERNATE TO HILTI CP 618 FIRESTOP PUTTY STICK, MINIMUM 4" THICKNESS MINERAL WOOL (MINIMUM 4 PCF DENSITY) MAY BE TIGHTLY PACKED INTO CAST-IN PLACE FIRESTOP DEVICE FLUSH WITH TOP SURFACE OF DEVICE. WHEN MINERAL WOOL IS USED IN 3" DEVICES AND SMALLER T-RATING IS 3-HR., WHEN USED IN 4" AND 6" DEVICE T-RATING IS 0-HR.

2. WHEN HILTI CP 618 FIRESTOP PUTTY STICK IS USED IN 4" DEVICES AND SMALLER T-RATING IS 3-HR, WHEN USED IN 6" DEVICE T-RATING IS 2-1/2-HR.

HILTI
Hilti Firestop Systems

HILTI, Inc.
Plano, Texas USA (800) 879-8000

Sheet	1 of 1
Scale	5/32" = 1"
Date	Sep. 26, 2023

Drawing No.

FA
0048a

Saving Lives through Innovation and Education