



Classified by  
Underwriters Laboratories, Inc.  
to CAN/ULC-S115

# System No. F-A-3074

F Rating - 3 Hr

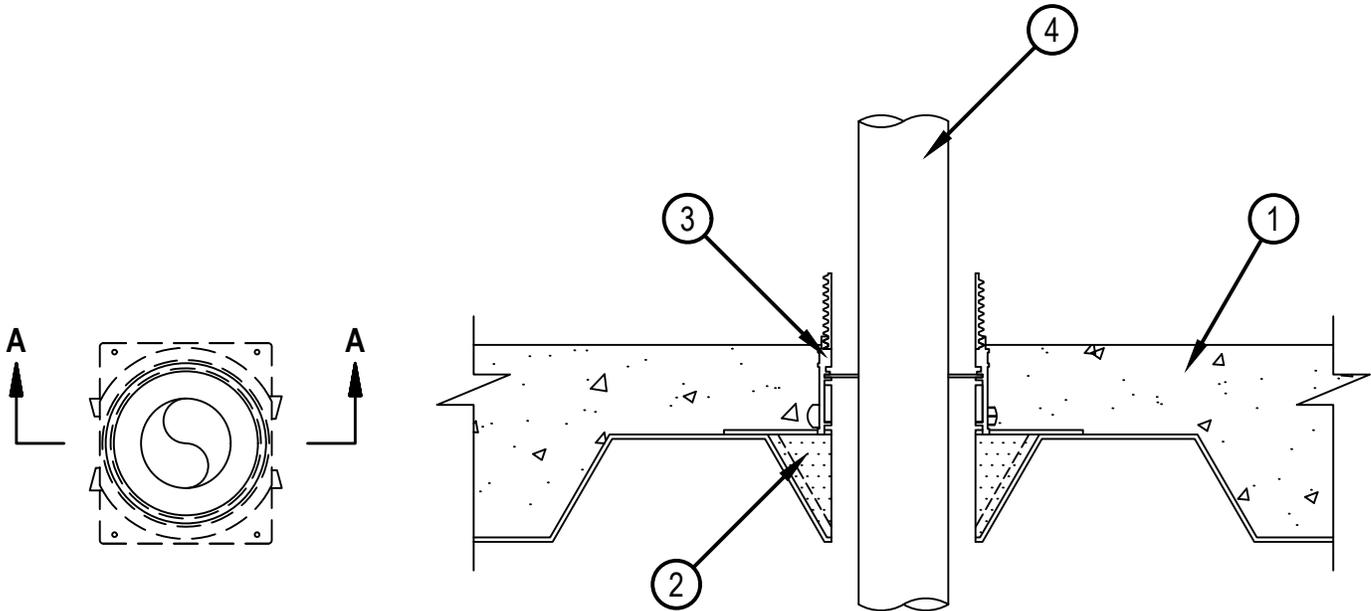
FT Rating - 0 and 1/2 Hr (See Item 4)

FH Rating - 0 and 3 Hr (See Item 4)

FTH Rating - 0 and 1/2 Hr (See Item 4)



FA3074



**SECTION A-A**

1. Floor Assembly — The fire rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:

A. Concrete — Min 64 mm (2-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m<sup>3</sup> or 100-150 pcf) concrete.

B. Steel Floor and Form Units\* — Max 76 mm (3 in.) deep galv steel fluted units as specified in the individual Floor-Ceiling Design.

2. Firestop Device\* — Cast in place firestop device platform installed prior to concrete placement in floor assembly. The CFS-CID MD PLT firestop device platform is screwed to the fluted deck with one fastener at each corner in accordance with manufacturer installation instructions. The firestop device platform is sized for nominal 51 and 76 mm (2 and 3 in.) deep fluted decks.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-CID MD PLT W2" and W3"

3. Firestop Device\* — Cast in place firestop device installed over firestop device platform (Item 2) prior to concrete placement in floor assembly. The CFS-CID MD Firestop Device is set onto and screwed to the device platform in accordance with manufacturer installation instructions. The firestop device is sized for the OD of the through penetrant and for the height of the concrete topping over the fluted deck. The 2.5" height devices are intended for a 64 mm (2.5 in.) concrete topping and the 4" height devices for concrete toppings greater than 2.5 in. (64 mm) thick. The firestop device may extend a max of 2 in. (51 mm) above the top surface of the concrete.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-CID MD M 2"/2.5", CFS-CID MD P 2"/2.5", CFS-CID MD M 2"/4" and CFS-CID MD P 2"/4", CFS-CID MD PX 2"/2.5", CFS-CID MD PX 2"/4"

4. Cable — One nom 4/C, 500 kcmil copper or aluminum conductor PVC jacketed aluminum clad or steel clad TEK cable installed concentrically within device. Cable to be rigidly supported on both sides of floor assembly. FT, FH and FTH Ratings are 0 hr when aluminum conductor cable is used.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



**Hilti Firestop Systems**

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