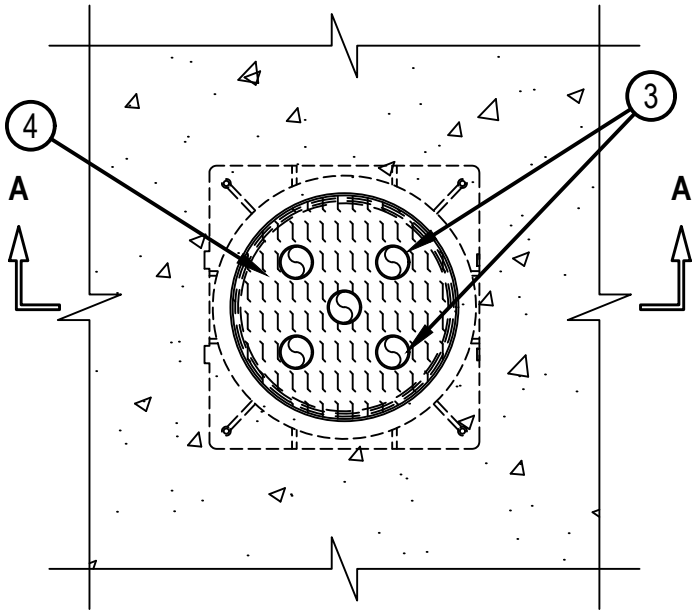
System No. F-A-1223

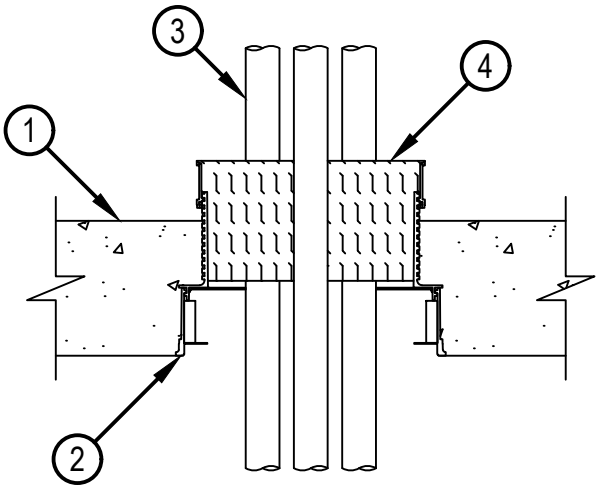
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 2 Hr	FT Rating — 2 Hr
	FH Rating — 3 Hr
	FTH Rating — 2 Hr

TOP VIEW



SECTION A-A



1. Floor Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete.
2. Firestop Device* — Cast in place firestop device with optional accessories including sleeve extensions permanently embedded during concrete placement or grouted in concrete floor assembly in accordance with accompanying installation instructions with a max. 2 in. (51 mm) projection above the top surface of the concrete.

   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-CID U 2", CFS-CID U 2" CA, CFS-CID U 3", CFS-CID U 4", CFS-CID U 6"
3. Through Penetrants — Max five nom 1 in. (25 mm) diam metallic pipes, tubes or conduits to be installed within the firestop system. The annular space between the penetrants shall be min 1 in. (25 mm) to max 2 in. (51 mm). The annular space between penetrants and the device is min 3/4 in. (19 mm) to max 2 in. (51 mm). Penetrants to be rigidly supported on both sides of floor assembly. The following metallic pipes, tubes or conduits may be used.
   A. Steel Conduit — Nom 1 in. (25 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
   B. Steel Pipe — Nom 1 in. (25 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   C. Iron Pipe — Nom 1 in. (25 mm) diam (or smaller) cast or ductile iron pipe.
   D. Copper Pipe — Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Copper Tubing — Nom 1 in. (25 mm) diam (or smaller) Type L (or heavier) copper tubing.
4. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into device completely filling the space around conduits to fullest depth allowed by the device.

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