



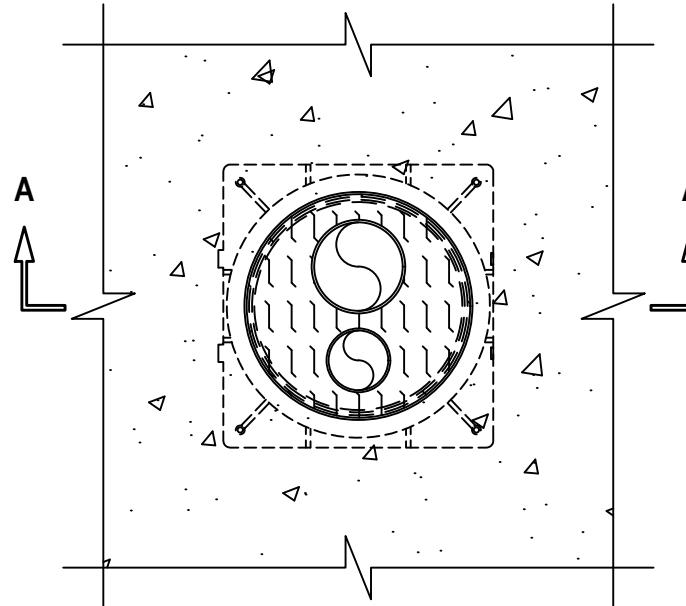
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. F-A-1224

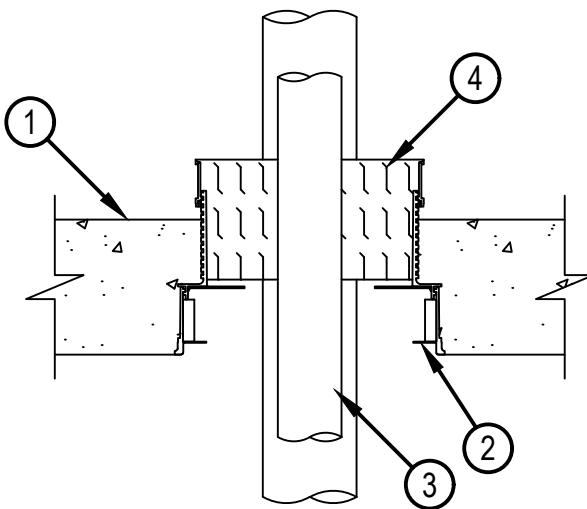
FA 1224

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 1/2 Hr	FT Rating — 1/2 Hr
	FH Rating — 2 Hr
	FTH Rating — 1/2 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 maximum 2 in. (51 mm) projection above the top surface of the concrete.
3. Through Penetrants — A max of one nom 3 in. (76 mm) diam (or smaller) and one nom 2 in. (51 mm) diam (or smaller) metallic pipes, tubes or conduits to be installed within the firestop system. The annular space between the penetrants shall be min 1/8 in. (3 mm). The annular space between penetrants and the device shall be min 1/2 in. (13 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 — Steel electrical metallic tubing or rigid steel conduit.
 - B. Steel Pipe — Schedule 5 (or heavier) steel pipe.
 - C. Iron Pipe — Cast or ductile iron pipe.
 - D. Copper Pipe — Regular (or heavier) copper pipe.
 - E. Copper Tubing — 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.



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