



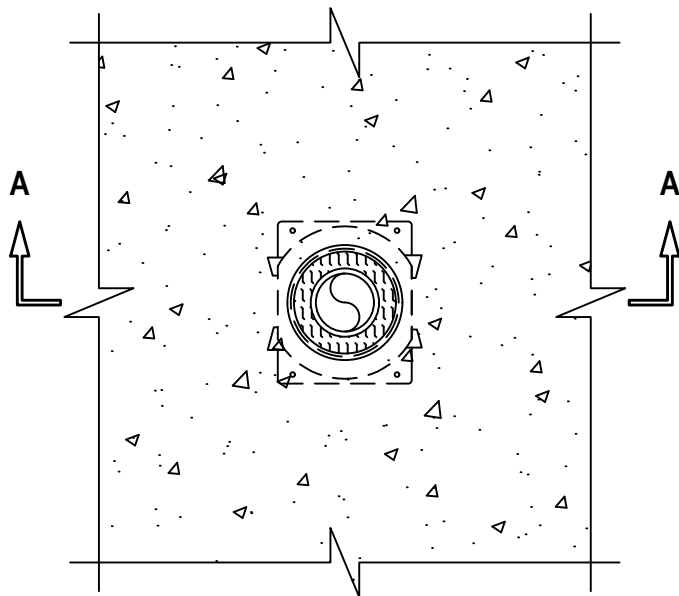
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. F-B-2082

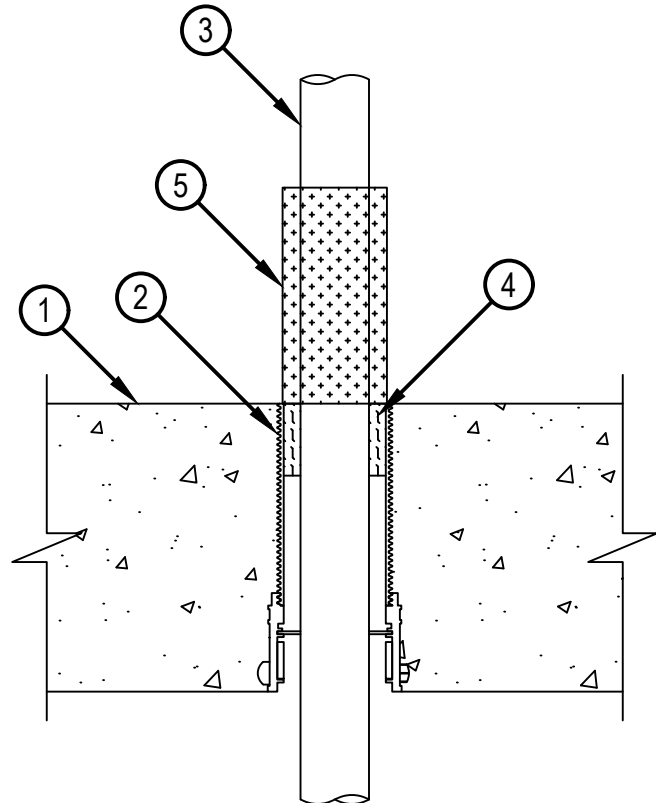
ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 2 Hr	FT Rating — 2 Hr
	FH Rating — 2 Hr
	FTH Rating — 2 Hr

FB 2082

TOP VIEW



SECTION A-A



System tested with a pressure differential of 2.5Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side (See Item 2)

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side (See Item 2)

1. Floor Assembly — Min 8 in. (203 mm) thick lightweight or normal weight concrete (100-150 pcf or 1600-2400 kg/m³).
2. Firestop Device* — Cast in place firestop device with optional accessories including sleeve extension permanently embedded during concrete placement or grouted in concrete 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, *Note: CFS-CID U 2" is for use with 2.5 Pa only.
3. Through Penetrant — One nonmetallic pipe to be centered within the firestop system. Pipe to be rigidly supported on both sides of floor assembly. The following type and size of pipes may be used:
 - A. Polypropylene (PP) Pipe — Nom 38 mm (1-1/2 in.) diam (or smaller) SDR 11 or SDR 7.4 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - B. Polypropylene (PP-R) Pipe — Nom 1-1/2 in. (50 mm OD) (or smaller) Aquatherm Greenpipe SDR 7.4 or 11 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - C. Polypropylene (PP-RCT) Pipe — Nom 1-1/2 in. (50 mm OD) (or smaller) Aquatherm Bluepipe SDR 9 or 11 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - D. Polypropylene (PP-RCT) Pipe — Nom 1-1/2 in. (50 mm OD) (or smaller) Nupi Americas Niron pipe SDR 7.3, 9 or 11 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - E. Polypropylene (PP-RCT) Pipe — Nom 1-1/2 in. (50 mm OD) (or smaller) Aquatechnik NA Fusion-Tech pipe SDR 7.4 or 11 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - F. Polypropylene (PP) Pipe — Nom 1-1/2 in. (50 mm OD) (or smaller) Uponor pipe SDR 9 or 11 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - G. Polypropylene (PP) Pipe — Nom 40 mm OD (or smaller) Fusiotherm® SDR 11 or SDR 7.4 for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - H. Polypropylene (PP) Pipe — Nom 1-1/2 (50mm OD) diam (or smaller) Orion Polystar™ CT-White SDR 11, SDR 9 or SDR 7.4 PP Pipe for use in closed (process or supply) piping systems.

When penetrant 3G, or 3H is used, the system is limited to 2.5 Pa only for CAN/ULC-S115.

4. Packing Material — Min 1-1/4 in. (32 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation shall be firmly packed into top of device, flush with the top of the device.
5. Pipe Covering* — (Optional-Not Shown) - Min 1/2 in. (13 mm) thick hollow cylindrical glass fiber units with an all service jacket installed around pipe at the top of the floor and extending min 12 in. (305 mm) above floor surface or device. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

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