



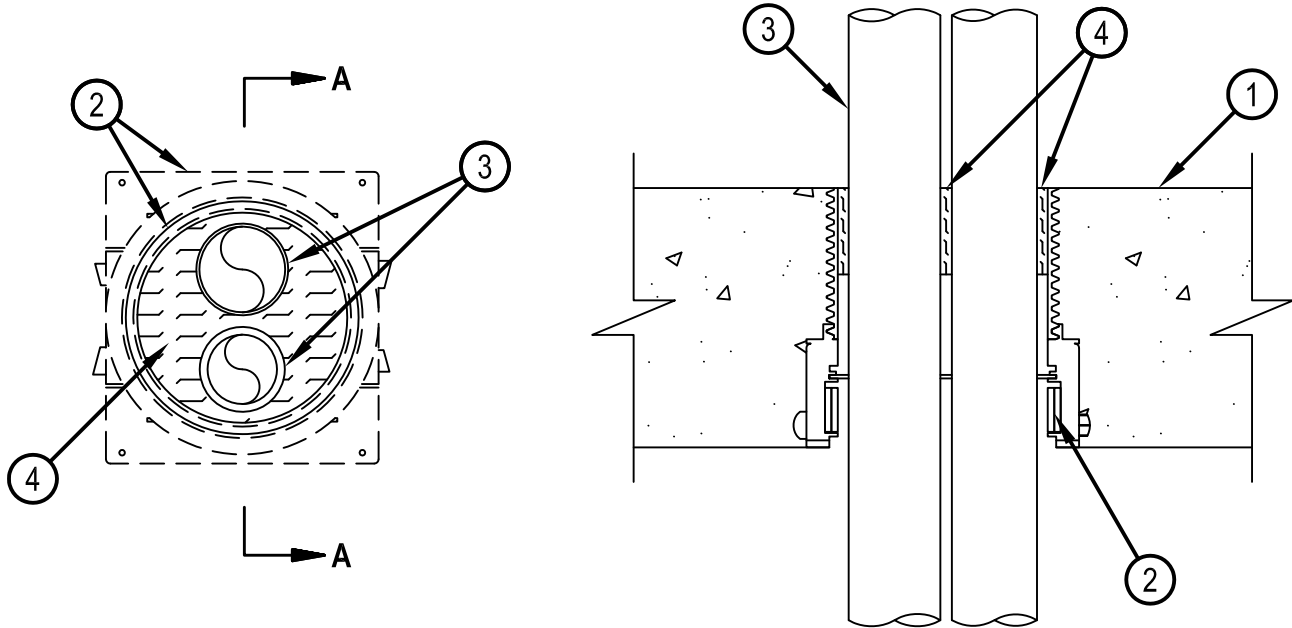
Classified by
Underwriters Laboratories, Inc.
to CAN/ULC-S115

System No. F-B-2011

F Rating - 2 Hr
FT Rating - 0 Hr
FH Rating - 2 Hr
FTH Rating - 0 Hr



FB 2011



SECTION A-A

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor Assembly — Min 152 mm (6 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete.
2. Firestop Device* — Cast in place firestop device permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions, flush with top surface of the concrete.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 680-P 2", CP 680-P 3", CP 680-P 4", CP 680-PX 2", CP 680-PX 3"
3. Through Penetrants — One or two nonmetallic pipes or tubing to be installed within the firestop device. The annular space between the pipes or tubing and the periphery of the opening shall be min 0 mm (point contact) to max 25 mm (1 in.). Pipes to be rigidly supported on both sides of the floor or wall assembly. The following type and sizes of nonmetallic pipes and tubing may be used:
 - A. Polypropylene (PP) Pipe — Nom 51 mm (2 in.) diam (or smaller) Aquatherm Fusiotherm SDR 7.4 with Faser or Fusiotherm SDR 11 pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - B. Crosslinked Polyethylene (PEX) Tubing — Nom 51 mm (2 in.) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
4. Packing Material — Min 51 mm (2 in.) depth of 64 kg/m³ (4 pcf) mineral wool batt insulation tightly packed into the device flush with the top surface of the floor.

* 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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