



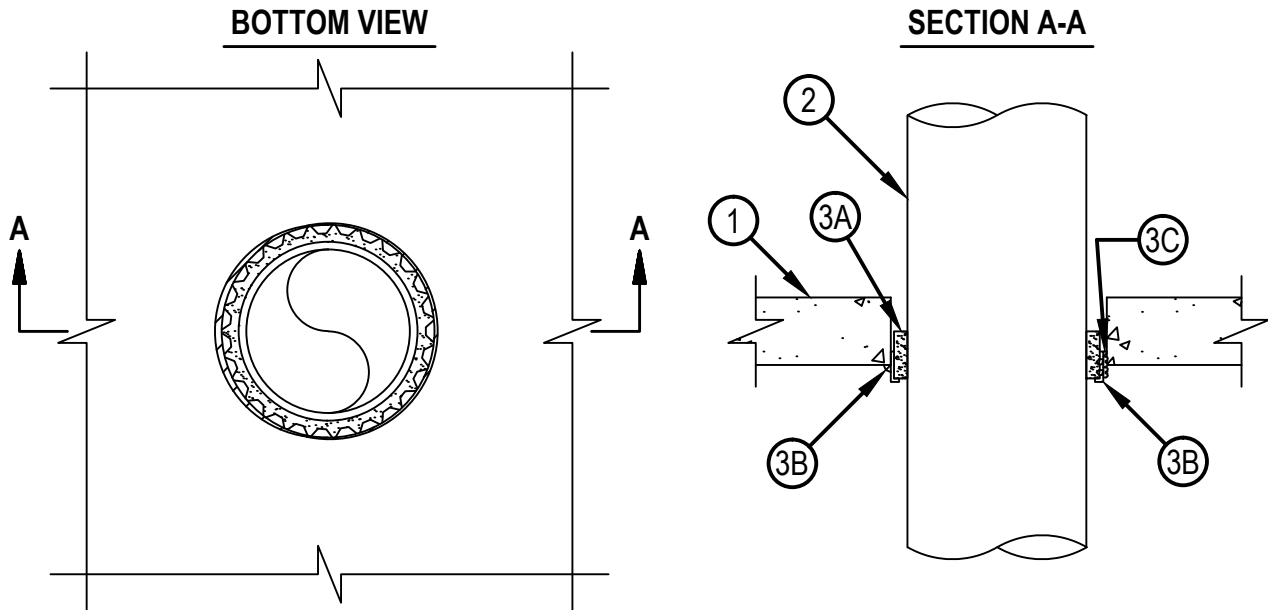
Classified by
Underwriters Laboratories, Inc.
to CAN/ULC-S115

System No. C-AJ-2080

F Rating — 1 Hr
FT, FH, and FTH Ratings — 0 Hr



CAJ 2080



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 or Wall Assembly — Min 64 mm (2-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/cu meter (100-150 pcf)) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diameter of opening is 203 mm (8 in.). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space between pipe and periphery of opening to be min 13 mm (1/2 in.) to max 22 mm (7/8 in.). The following type and sizes of nonmetallic pipe may be used:
 - A. Polyvinyl Chloride (PVC) Pipe — Nom 152 mm (6 in.) diam (or smaller) Schedule 40 solid or cellular core PVC for use in closed (process or supply) or vented (drain, waste or vent) piping system.
 - B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 152 mm (6 in.) drain (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.
3. Firestop System — The firestop system shall consist of the following:
 - A. Fill, Void or Cavity Material* — Wrap Strip - One layer of intumescent wrap strip is continuously wrapped around the pipe with ends held in place with integrated tape. Wrap strip is to be secured to the pipe with the steel collar and then slid up the pipe so that the collar and the strip are extending 13 mm (1/2 in.) from the bottom floor surface or both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP648-S/6" Wrap Strip.
 - B. Steel Collar — Steel collar fabricated from coils of precut min 0.016 in. thick (No. 28 gauge) galv steel available from fill material manufacturer. Collar shall be nom 1-3/4 in. (for 1-3/4 in. wide wrap strip) deep with a nominal 1/2 in. (13 mm) lip. A nom 1/2 in. (13 mm) wide stainless steel hose clamp shall be secured to the collar at its mid-height. Optional Securement of the collar may be accomplished with two sheet metal screws screwed through the overlapping portion of the collar. Length of the sheet metal screws shall not exceed the thickness of the wrap strip.
 - C. Fill, Void or Cavity Material* — Sealant - Sealant -Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with bottom surface of floor or both surfaces of the wall. At the point contact location between steel collar and concrete, a minimum 13 mm (1/2 in.) diameter bead of fill material shall be applied at the concrete/steel collar interface on the bottom surface of floor or on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

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



Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
January 09, 2015