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to CAN/ULC-S115

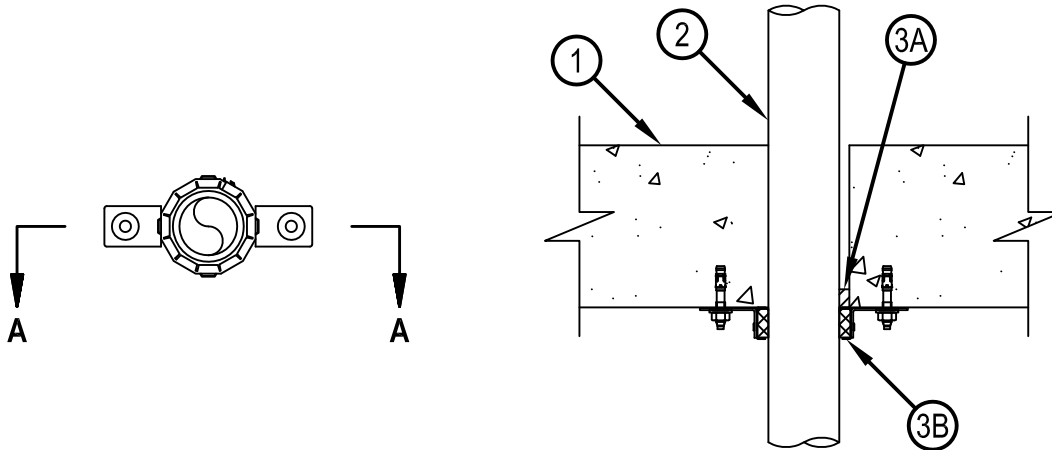
System No. C-AJ-2070

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



CAJ 2070

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 or Wall Assembly — Min 114 mm (4-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete floor or wall. Floor may also be constructed of any min 152 mm (6 in.) thick UL Classified hollow core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 57 mm (2-1/4 in.).

See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories 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. The annular space between the pipe and the periphery of the opening shall be a minimum of 0 mm (point contact) to a max of 8 mm (5/16 in.). Pipe to be rigidly supported on both sides of the floor or wall assembly. The following type and sizes of nonmetallic pipe may be used:

A. Polypropylene (PP) Pipe — Nom 50 mm (2 in.) diam (or smaller) PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

AQUATHERM — Climatherm SDR 11 w/ Faser

B. Polypropylene (PP) Pipe — Nom 50 mm (2 in.) diam (or smaller) PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

AQUATHERM — Fusiotherm SDR 7.4 w/ Faser

3. Firestop System — The firestop system shall consist of the following

A. Fill, Void or Cavity Material* — Sealant — Min 13 mm (1/2 in.) thickness of fill material applied within the annulus, flush with bottom surface of floor or both surfaces of wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant.

B. Firestop Device* — Firestop Collar — Firestop collar sized to diam of the penetrant and installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to underside of floor or both sides of wall using the anchor hooks provided with the collar. (Minimum two anchor hooks for nom 38 and 51 mm (1-1/2 and 2 in.). The anchor hooks are to be secured with min 6 mm (1/4 in.) diam by min 32 mm (1-1/4 in.) long steel expansion bolts. As alternates to the anchors specified above, Hilti 6 mm (1/4 in.) diam by 32 mm (1-1/4 in.) long KWIK-CON II+ concrete screw anchor, or Hilti 6 mm (1/4 in.) diam by (45 mm) 1-3/4 in. long KWIK-BOLT 3 steel expansion anchor or Hilti X-DNI 27 P8S15 powder actuated floor pin with integral nom 9/16 in. (15 mm) diam steel washer may be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 643 50/1.5"N or CP643 63/2" N

* 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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January 07, 2015