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to UL 1479

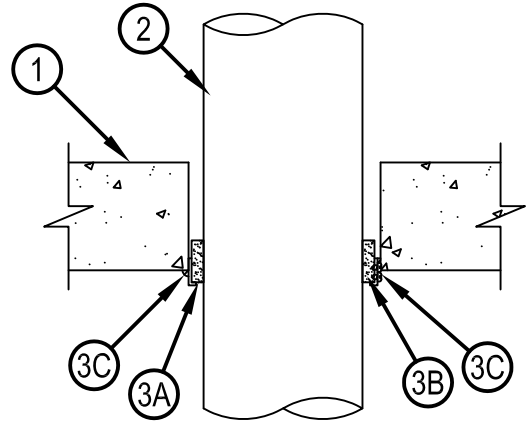
System No. C-AJ-2570

F Rating — 2 Hr

T Rating — 0 Hr

W Rating — Class 1 (See item 3)

CAJ 2570



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight 100-150 pcf (1600-2400 kg/m³) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 8 in. (203 mm). Max diam of opening in floors constructed of hollow-core concrete is 7 in. (178 mm).

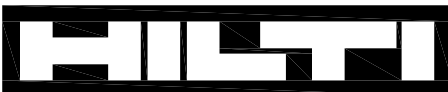
See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space between pipe and periphery of opening shall be min 1/2 in. (13 mm) to max 1 in. (25 mm). The following types and sizes of nonmetallic pipes may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 6 in (152 mm) diam (or smaller) Schedule 40 solid or cellular core PVC for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 6 in (152 mm) diam (or smaller) SDR13.5 CPVC for use in closed (process or supply) piping systems.

C. Rigid Nonmetallic Conduit+ — Nom 6 in. (152mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).



Hilti Firestop Systems

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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 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 1/2 in. (13 mm) from the surface of the floor or 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 though the overlapping portion of the collar. The length of the sheet metal screws shall not exceed the thickness of the wrap strip.

C. Fill, Void or Cavity Materials* — 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 wall.

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

D. Fill, Void or Cavity Materials* - (Optional Not Shown) — Sealant -Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with top surface of floor or both surfaces of wall. W Rating only applies when Cp 604 sealant is used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS One or Hilti CP 604

E. Fill, Void or Cavity Materials - (Optional Not Shown) — 1/2 in. (13 mm) Minimum depth mineral wool inserted into the annular space at the top of the floor or wall assembly.

+Bearing the UL Listing Mark

* 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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Page: 2 of 2