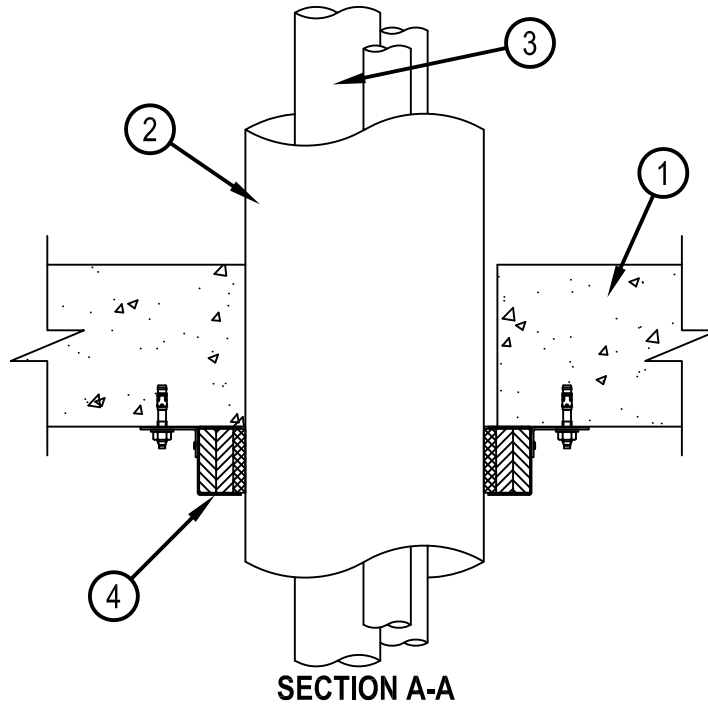




Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. C-AJ-2234
F Rating — 2 Hr
T Rating — 2 Hr
W Rating - Class 1 (See Item 5)

CAJ 2234



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 7 in.

See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

2. Through Penetrant — One nonmetallic pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, and the periphery of the opening shall be minimum 0 in. (point contact) to 1/2 in. maximum. Pipe to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:

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

3. Nonmetallic Pipe — A pipe bundle consisting of a max three 1 in. diam and one 2 in. diam nonmetallic pipes to be installed concentrically within the PVC through penetrant. The following types and sizes of nonmetallic pipes may be used:

A. Polyvinylidene Fluoride (PVDF) Pipe — Nom 2 in. diam PVDF pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. Polyvinylidene Fluoride (PVDF) Pipe — Nom 1 in. diam PVDF pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

4. Firestop Device* — Firestop Collar — Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed around the pipe and secured to the underside of the floor or both sides of the wall using min four anchor hooks provided with the collar.

The anchor hooks are to be secured with min 1/4 in. diam by min 1-1/4 in. long steel expansion bolts or min 0.145 in. diam by 1-1/4 in. long powder actuated fasteners utilizing a 1-7/16 in. diam by 1/16 in. thick steel washer. As alternates to the anchors specified above, Hilti 1/4 in. diam by 1-1/4 in. long KWIK-CON II+ concrete screw anchor, Hilti 1/4 in. diam by 1-3/4 in. long KWIK-BOLT 3 steel expansion anchor or Hilti X-DNI 27 P8 S15 powder actuated floor pin with integral nom 9/16 in. diam washer may be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP643 160/6"N Firestop Collar

5. Fill, Void or Cavity Material* - Sealant — (Not Shown) For systems with W Rating, prior to installation of firestop device, min 1/2 in. thickness of fill material applied within the annulus, flush with bottom surface of floor.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 601S, CFS-S SIL GG or CFS-S SIL SL (floors only) Sealant

*Bearing the UL Classification Mark



Hilti Firestop Systems

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