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to UL 1479

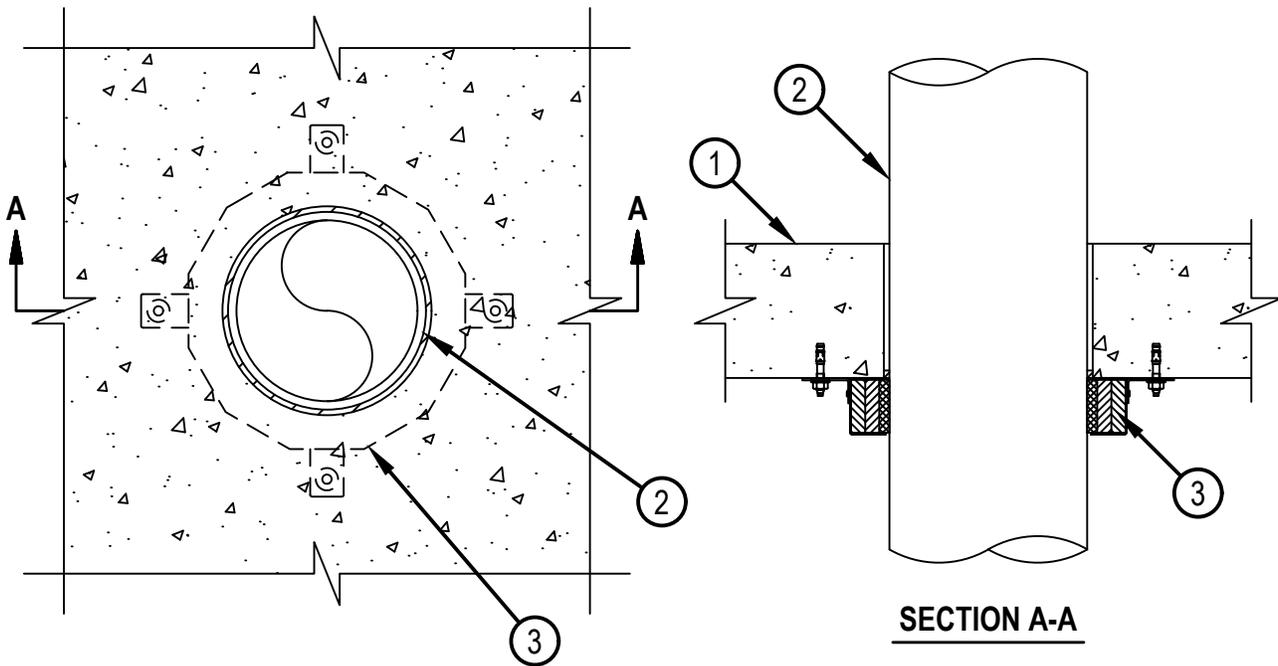
System No. C-AJ-2469

F Rating — 2 Hr

T Rating — 1-3/4 Hr

W Rating - Class 1 (See Item 4)

CAJ 2469



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 7 in. (178 mm).
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Nonmetallic Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 80 chlorinated polyvinyl chloride (CPVC) pipe for use in closed (process or supply) piping systems. Pipe to be installed eccentrically or concentrically in opening with a nom annular space of 0 in. (continuous point contact) to a max 3/8 in. (10 mm). Pipe to be rigidly supported on both sides of floor or wall assembly.
3. Firestop Device* - Firestop Collar — Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the penetrant and secured to underside of floor or both sides of wall using the anchor hooks provided with the collar. Minimum 2 anchor hooks for 1-1/2 and 2 inch diam pipes, 3 anchor hooks for 3 and 4 inch diam pipes, and 4 anchor hooks for 6 inch diam pipes anchors. The anchor hooks are to be secured with min 1/4 in. (6 mm) diam by min 1-1/4 in. (32 mm) long steel expansion bolts or min 0.145 in. (4 mm) diam by 1-1/4 in. (32 mm) long powder actuated fasteners utilizing a 1-7/16 in. (36 mm) diam by 1/16 in. (2 mm) thick steel washer. As alternates to the anchors specified above, Hilti 1/4 in. (6 mm) diam by 1-1/4 in. (32 mm) long KWIK-CON II+ concrete screw anchor, Hilti 1/4 in. (6 mm) diam by 1-3/4 in. (44 mm) long KWIK-BOLT 3 steel expansion anchor or Hilti X-DNI 27 P8 S15 powder actuated floor pin with integral nom 9/16 in. (15 mm) diam washer may be used.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP643 50/1.5"N, CP643 63/2"N, CP643 90/3"N, CP643 110/4"N or CP 643 160/6"N collar
4. Fill, Void or Cavity Material - Sealant* — (Not Shown) - As an option, a Min 1/2 in. (13 mm) thickness of fill material shall be applied within the annulus flush with the top or bottom surface of the floor or either surface of wall prior to the installation of the collar. W Rating applies only when CP601S, CFS-S SIL GG, CFS-S SIL SL (floors only) Sealant is used.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant, CP601S, CFS-S SIL GG or CFS-S SIL SL (floors only) Sealant

* 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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