System No. C-AJ-1667
XHEZ7.C-AJ-1667
Through-penetration Firestop Systems Certified for Canada

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

See General Information for Through-penetration Firestop Systems Certified for Canada

System No. C-AJ-1667

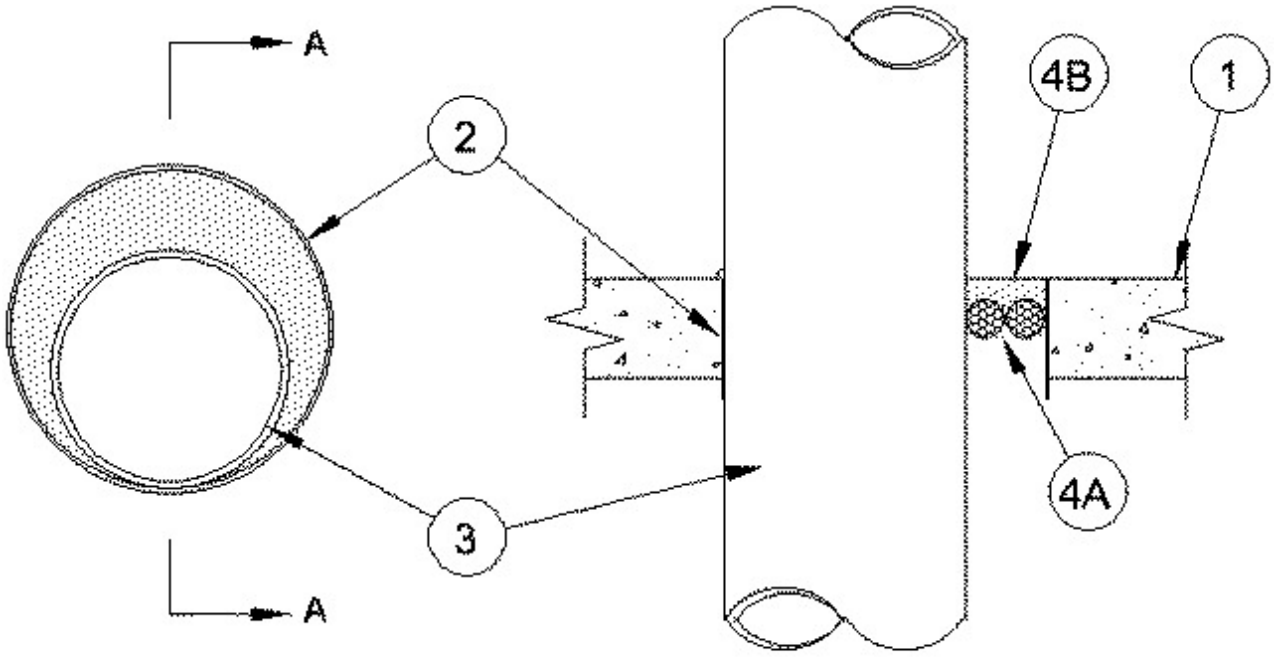
June 17, 2016

F Rating — 2 Hr

FT Rating — 0 Hr

FH Rating — 0 Hr

FTH Rating — 0 Hr



Section A-A

1. **Floor or Wall Assembly —** Min 64 mm (2-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/cu meter or 100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 602 mm (27-5/8 in.).

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

2. **Steel Sleeve —** (Optional) — Cylindrical sleeve fabricated from 0.4 mm (0.016 in.) thick (30 ga) (or heavier) galv steel and having a min 25 mm (1 in.) lap along the longitudinal seam. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening, and releasing the coil to let it uncoil against the circular cutout in the floor or wall. Ends of sleeve to be flush with floor or wall surfaces. As an option, end of sleeve may extend max of 13 mm (1/2 in.) from bottom surface of floor.

3. **Through Penetrant —** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 mm (point contact) to max 48 mm (1-7/8 in.) is required within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe —** Nom 610 mm (24 in.) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 610 mm (24 in.) diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 102 mm (4 in.) diam (or smaller) electrical metallic tubing or rigid steel conduit.

D. **Copper Tubing —** Nom 152 mm (6 in.) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe —** Nom 152 mm (6 in.) diam (or smaller) Regular (or heavier) copper pipe.

4. **Firestop System —** The firestop system shall consist of the following:

A. **Packing Material —** (Optional) — Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Sealant —** Min 13 mm (1/2 in.) thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall assembly. At the point contact location between pipe and concrete, a min 10 mm (3/8 in.) diam bead of sealant shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall assembly.

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Intumescent Sealant or A/D FIREBARRIER Intumescent Sealant II

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

Last Updated on 2016-06-17