



System No. W-J-5173
XHEZ7.W-J-5173
Through-penetration Firestop Systems Certified for Canada

[Page Bottom](#)

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. W-J-5173

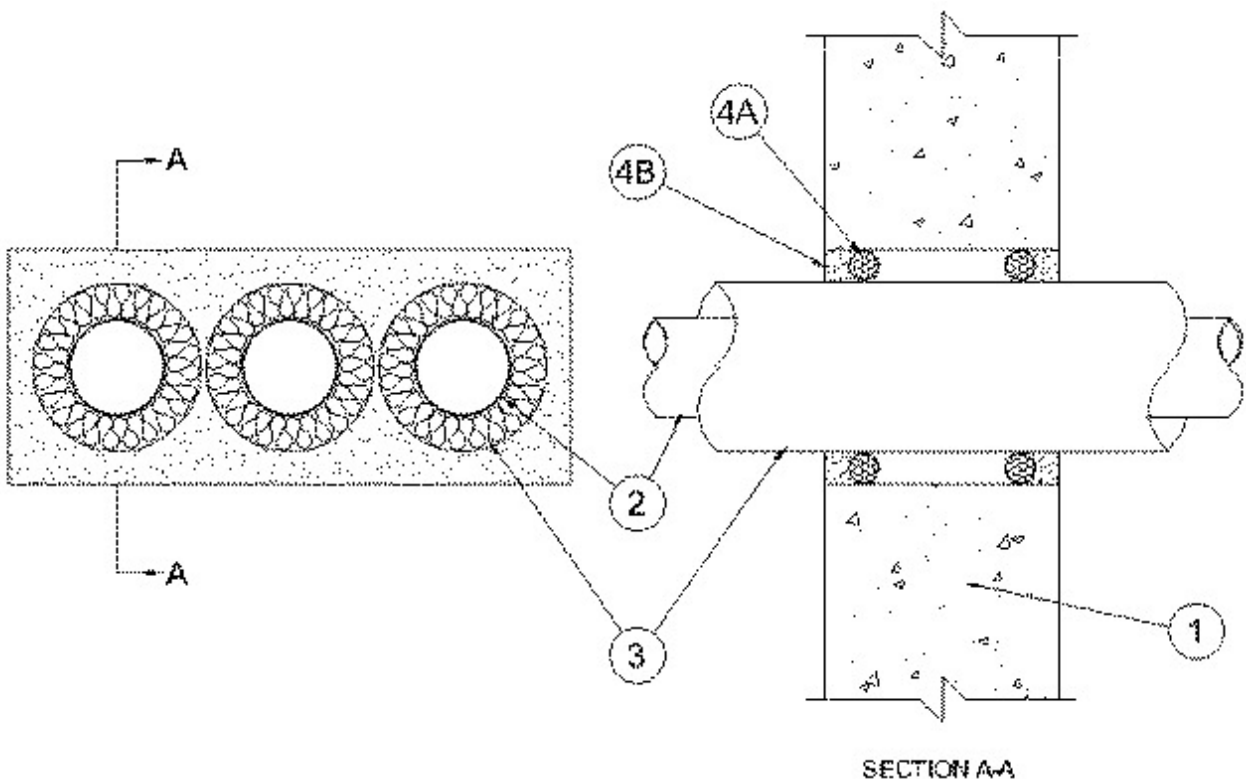
June 17, 2016

F Rating — 2 Hr

FT Rating — 1/4 Hr

FH Rating — 0 Hr

FTH Rating — 0 Hr



1. **Wall Assembly** — Min 152 mm (6 in.) thick reinforced lightweight or normal weight (1601-2402 kg/m³ or 100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 387 sq cm (60 sq in.) with max dimension of 305 mm (12 in.).

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

2. **Through Penetrants** — One or more pipes or tubing to be installed within the opening. The annular space between insulated pipes or tubing shall be min 0 mm (point contact) to max 6 mm (1/4 in.). The annular space between pipes or tubing and periphery of opening shall be min 12 mm (1/2 in.) to max 17 mm (11/16 in.). Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes or tubing may be used:

A. **Steel Pipe** — Nom 51 mm (2 in.) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 51 mm (2 in.) diam (or smaller) cast or ductile iron pipe.

C. **Copper Tubing** — Nom 51 mm (2 in.) diam (or smaller) Type L (or heavier) copper tube. D.

D. **Copper Pipe** — Nom 51 mm (2 in.) diam (or smaller) Regular (or heavier) copper pipe.

3. **Tube Insulation* — Plastics+** — Nom 20 mm (3/4 in.) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

See **Plastics+** (QMFZ2) category in the Plastics Recognized Component Directory for names of manufactures. Any Recognized Component tube insulation material meeting the above specifications of having a UL94 Flammability Classification of 94-5VA may be used.

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

A. **Packing Material** — Foam backer rod firmly packed into opening as a permanent form and recessed from both sides of wall to accommodate required thickness of fill material.

B. **Fill Void or Cavity Materials* — Sealant** — Min 12 mm (1/2 in.) thickness of fill material applied within annulus, flush with both surfaces of wall.

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

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2016 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".