



**System No. W-J-7093**  
**XHEZ.W-J-7093**  
**Through-penetration Firestop Systems**

[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.

**XHEZ - Through-penetration Firestop Systems**

**XHEZ7 - Through-penetration Firestop Systems Certified for Canada**

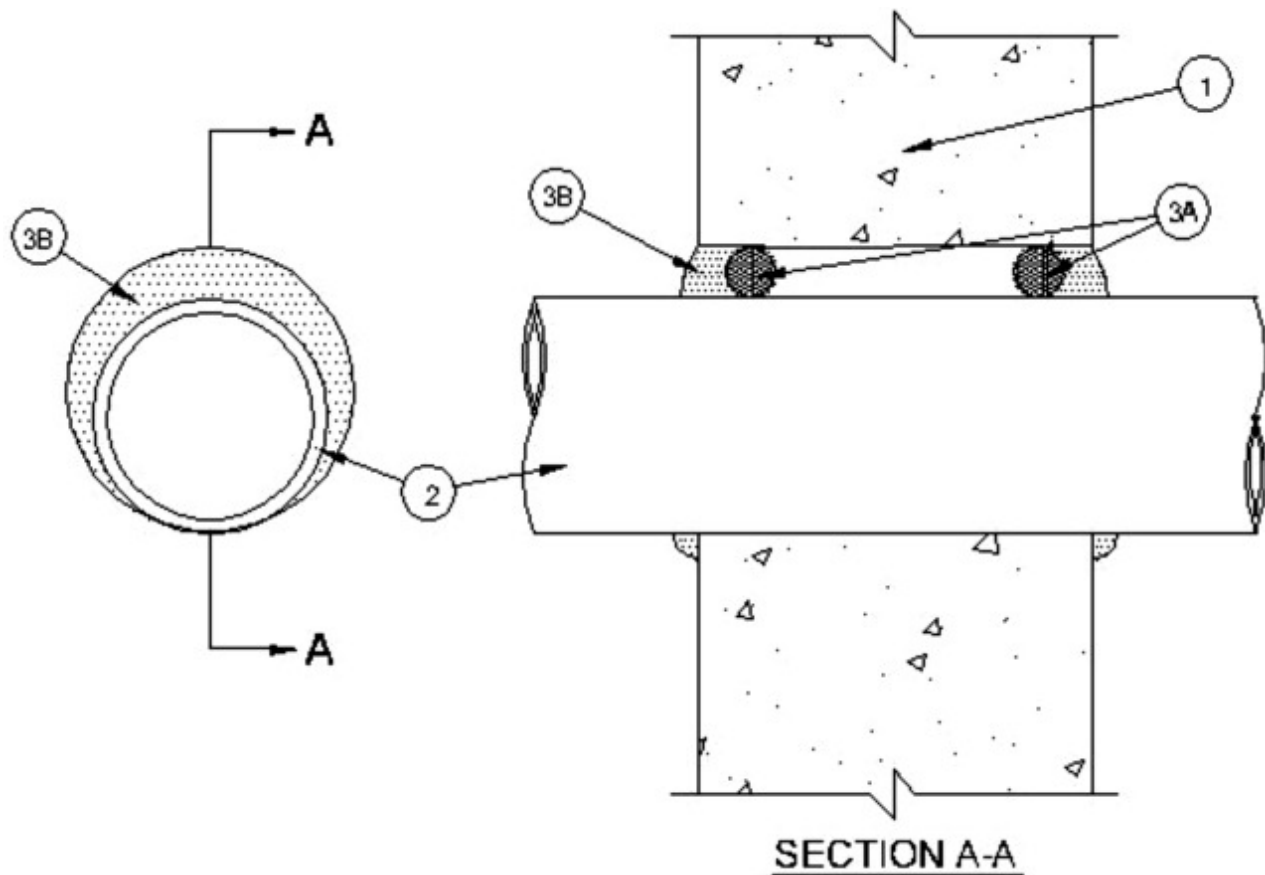
[See General Information for Through-penetration Firestop Systems](#)

[See General Information for Through-penetration Firestop Systems Certified for Canada](#)

**System No. W-J-7093**

June 15, 2016

<b>ANSI/UL1479 (ASTM E814)</b>	<b>CAN/ULC S115</b>
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings —1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating —Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Item 1)
	FTH Rating —0 Hr
	L Rating at Ambient —Less Than 1 CFM/sq ft



1. **Wall Assembly** — Min 5 in. (127 mm) or 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m<sup>3</sup>)) concrete for 1 hr or 2 hr F Rating respectively. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max area of opening is 81 in<sup>2</sup> (523 cm<sup>2</sup>) with max dimension of 9 in. (229 mm), or 7 in. (432 mm) diam.

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

2. **Steel Duct** — One duct to be installed within the firestop system. The annular space shall be as specified in the Table below. Duct to be rigidly supported on both sides of wall assembly. The following types and sizes of duct may be used.

- A. Max 16 in. (406 mm) diam No. 24 gauge (or heavier) galv steel vent duct.
- B. Max 16 in. (406 mm) diam No. 24 gauge (or heavier) spiral wound galv steel duct.
- C. Max 8 in. by 8 in. (203 by 203 mm) No. 26 gauge (or heavier) galv steel duct.

Type of Duct	Max Duct Size	Annular Space
Round	16 in. (406 mm) diam	Min 0 in. (point contact) to max 1 in. (25 mm)
Rectangular	8 by 8 in. (203 by 203 mm)	Nom 1/2 in. (13 mm)

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

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

B. **Fill, Void or Cavity Material\* - (Caulk)** — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. When annular space exceeds 1/2 in. (13 mm), min thickness of fill material is 5/8 in. (16 mm). For round ducts, additional fill material to be installed such that a min 3/8 in. (10 mm) crown is formed around the penetrating item.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Intumescent Sealant, 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.

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.

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