



**System No. W-J-7102**  
**XHEZ.W-J-7102**  
**Through-penetration Firestop Systems**

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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.
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**XHEZ - Through-penetration Firestop Systems**

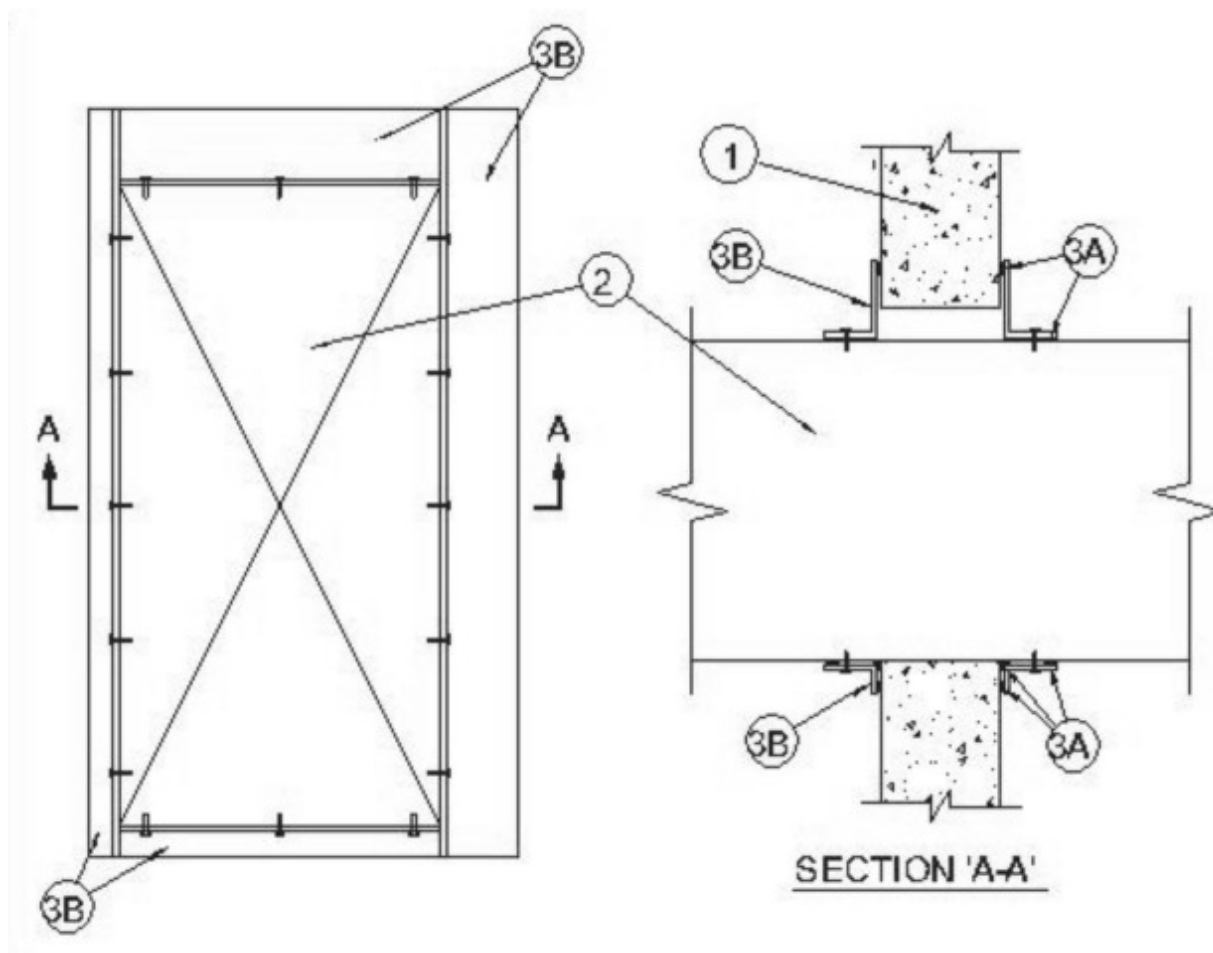
See General Information for Through-penetration Firestop Systems

**System No. W-J-7102**

January 29, 2008

**F Rating — 2 Hr**

**T Rating — 0 Hr**



1. **Wall Assembly** — Min 6 in. thick reinforced lightweight or normal weight (100-150 pcf) /concrete. Wall may be constructed of any UL Classified **Concrete Blocks\***. Max area of opening is 800 sq in. with a max dimension of 40 in.

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

2. **Steel Duct** — Nom 38 by 18 (or smaller) No. 24 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 2 in. is required within the firestop system. Steel duct to be rigidly supported on both sides of wall assembly.

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

A. **Fill, Void or Cavity Material\* — Sealant** — Min 1/4 in. bead of sealant on each leg of steel angle and compressed between angle and duct and angle and concrete. At the point of contact location between duct and concrete, a min 1/4 in. diam bead of sealant shall be applied at the concrete/duct interface on both surfaces of wall assembly.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Silicone Sealant

B. **Retaining Angles** — Min 16 gauge galvanized steel angles sized to lap duct a min of 2 in. and lap wall surfaces a min of 1 in. Angles attached to duct on both sides of wall with min 1/2 in. long No. 10 (or larger) sheet metal screws spaced a max of 4 in. from each end of the duct and spaced a max of 4 in. OC.

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

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