System No. W-J-2212
XHEZ.W-J-2212
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

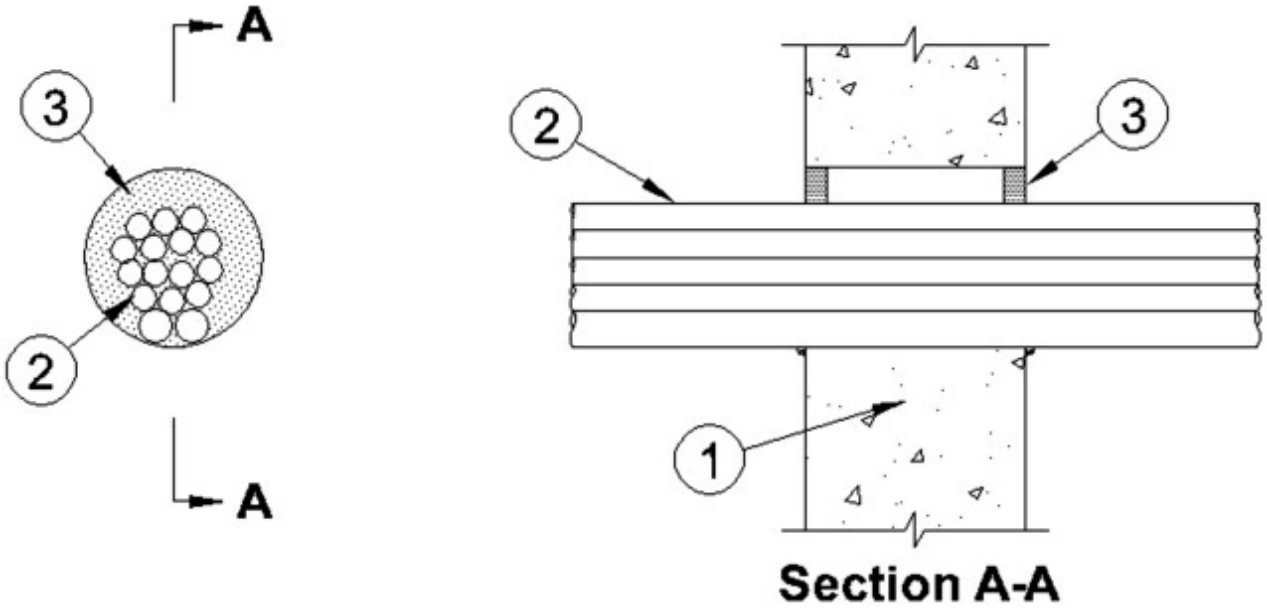
See General Information for Through-penetration Firestop Systems

System No. W-J-2212

June 13, 2016

F Rating — 2 Hr

T Rating — 2 Hr



1. **Wall Assembly —** Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m^3)) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 5 in. (127 mm).

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

2. **Through Penetrant —** One max 4 in. (102 mm) diam tight bundle of tubes located eccentrically or concentrically within opening. The annular space between bundle of tubes and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Tubing to be rigidly supported on both sides of wall assembly. The following types of tubing may be used:

A. **Crosslinked Polyethylene (PEX) Tubing —** Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems.

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

A. **Packing Material —** (Optional. Not shown.) - Foam backer rod friction fit into annular space and recessed from both surfaces of wall to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* - Sealant —** Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with each surface of wall. Min 5/8 in. (16 mm) thickness of fill material applied into interstices of tubes to maximum extent possible, on both sides of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the tubing/gypsum interface at the point contact location on both sides of wall.

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.**

Last Updated on 2016-06-13