



System No. F-A-2260
XHEZ.F-A-2260
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

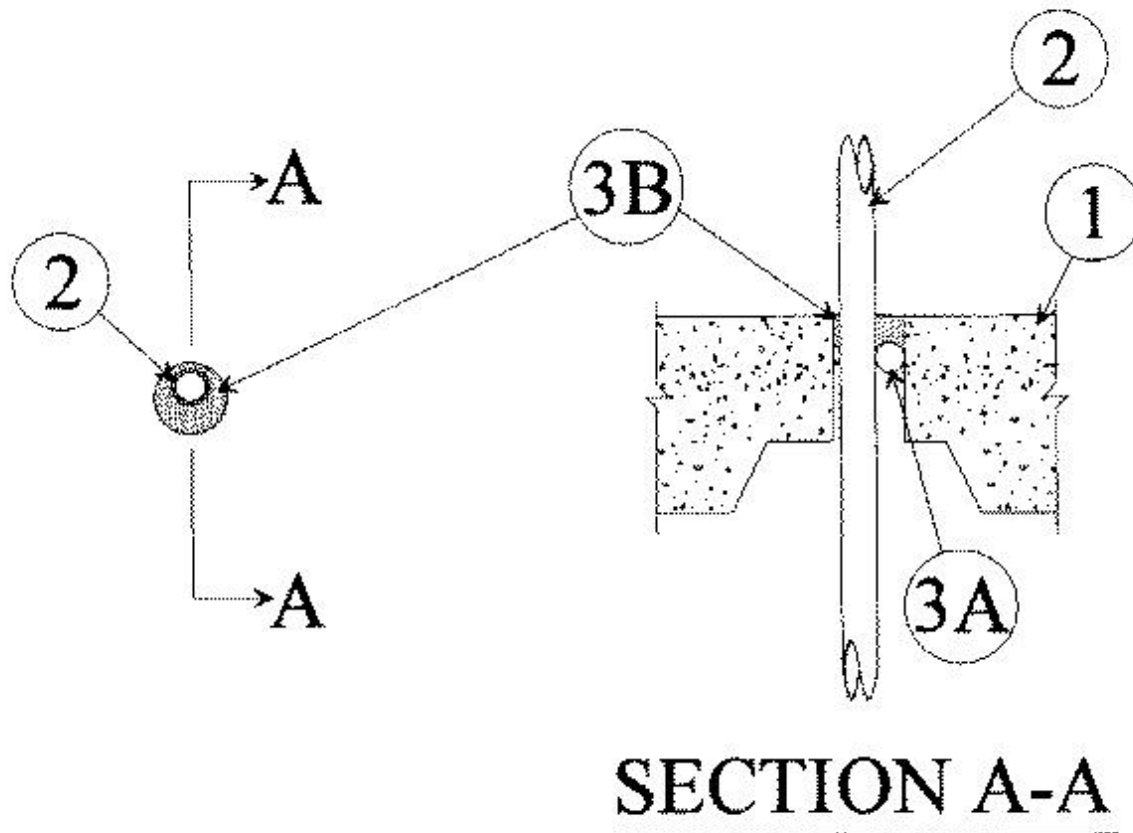
[See General Information for Through-penetration Firestop Systems](#)

System No. F-A-2260

June 01, 2016

F Rating — 2 Hr

T Rating — 1-1/2 Hr



1. **Floor Assembly** — The fire-rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:

A. **Normal Weight or Lightweight Concrete** — Min 3-1/2 in. thickness of normal weight concrete with carbonate or siliceous aggregate, 145 to 155 pcf unit weight, min 3000 psi compressive strength. Min 3-1/2 in. thickness of lightweight concrete with expanded shale, clay or slate aggregate, 105 to 115 pcf unit weight, min 3000 psi compressive strength.

B. **Welded Wire Fabric** — 6 x 6 -W1.4 x W1.4.

C. **Steel Floor and Form Units*** — Composite or noncomposite 2 in. deep fluted galv units as specified in the individual Floor-Ceiling design. Max diam of opening cored-drilled through floor assembly is 2 in.

2. **Nonmetallic Pipe** — Nom 1 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be installed either concentrically or eccentrically within the firestop system. The annular space shall be a min 1/4 in. to max 7/16 in. Pipe to be rigidly supported on both sides of floor assembly.

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

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

B. **Fill, Void or Cavity Material*** — **Caulk** — Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor.

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.

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