UL Product iQ™

XHEZ.C-AJ-0179 - Through-penetration Firestop Systems

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

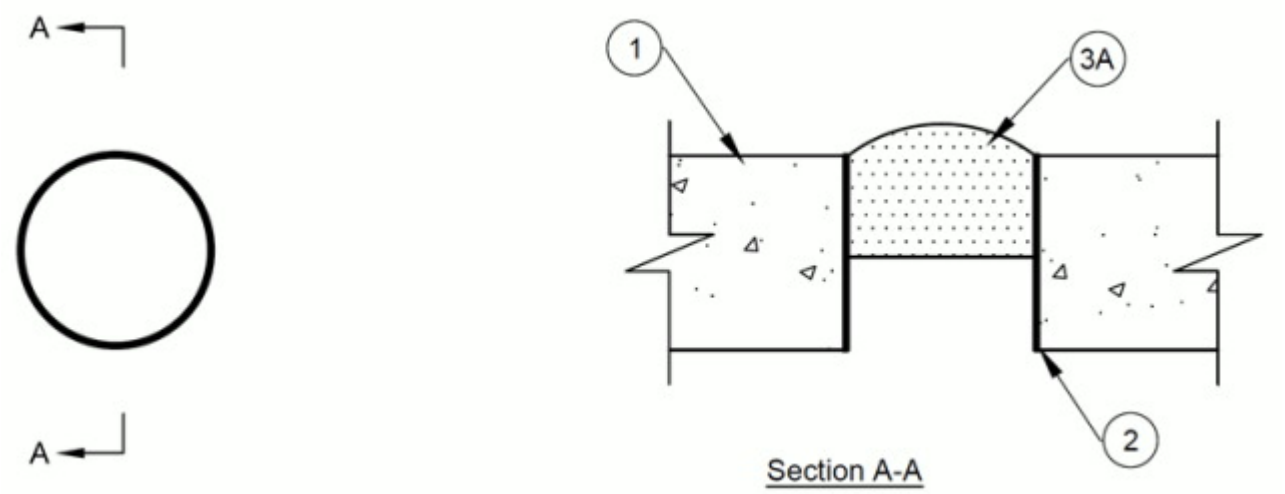
See General Information for Through-penetration Firestop Systems

System No. C-AJ-0179

July 09, 2020

ANSI/UL1479 (ASTM E814)

F Rating — 2 Hr
T Rating — 1-1/4 Hr



1. **Floor or Wall Assembly —** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max diameter of opening is nom, 5 in. (127 mm).

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

2. **Metallic Sleeve —** (Optional) — Nom 2, 2-1/2, 3, 4, 4-1/2 or 5 in. (51, 64, 76, 102, 114 or 127 mm) diameter Schedule 5 (or heavier) steel sleeve or rigid steel conduit or electrical metallic tubing cast or grouted into floor or wall flush with floor or wall surfaces.

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

A. **Fill, Void or Cavity Material* —** Plug sized for the steel sleeve or opening per Table below friction-fitted within the sleeve or opening such that the outer circumference of the dome-shaped plug is flush from the top surface of the floor or from both surfaces of the wall.

Max. Sleeve/Opening Diam in. (mm)	Nom Plug Size, in. (mm) FF260 series
2 (51)	2.5 (65)
3 (76)	3 (78)
4 (102)	4 (107)
4.5 (114)	4.5 (122)
5 (127)	5 (134)

TENMAT INC — Fire Protection Plug FF160

B. **Fill, Void or Cavity Material* —** (Not shown) — Fill material to maximum extent possible in any voids that may exist within the opening. For plug sizes above 4 in. (102 in.) the fill material shall be forced between the periphery and plug to the max extent possible.

TENMAT INC — Fire Protection Sealant FF365

*** indicates such products shall bear the UL or cUL Certificat or jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2020-07-09