Unique Fire Stop Products

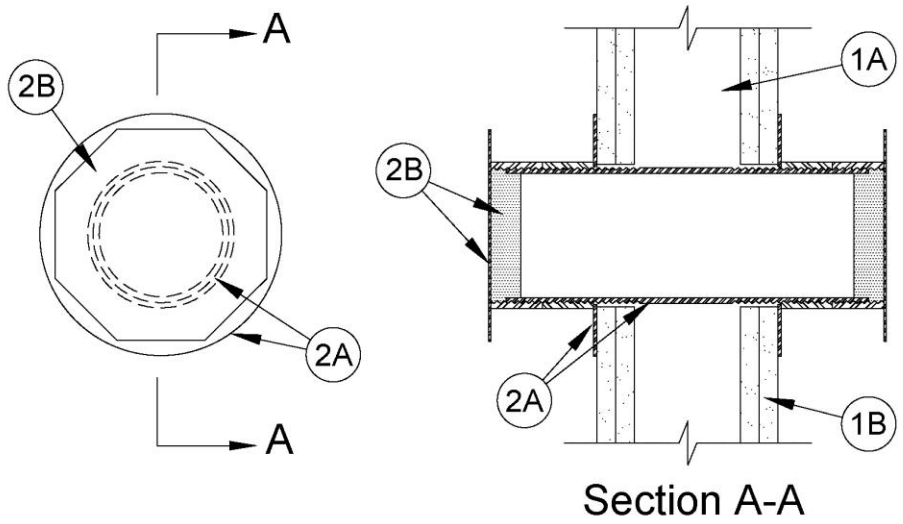
UL XHEZ.W-L-0022
Drywall 1, 2, 3, and 4 Hr. Through-penetration Firestop System
using Unique Fire Stop Products – Threaded Endcap (& Threaded Penetrator or Split Sleeve)

Guide XHEZ
Through-Penetration Firestop Systems

April 14, 2005

System No. W-L-0022

F Ratings - 1, 2, 3 and 4 Hr (See Item 1)
T Rating - 0 Hr



Section A-A

1. **Wall Assembly —** The 1, 2, 3 or 4 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing shall consist of steel channel studs. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board* —** Multiple layers of min 1/2 in. (13 mm) thick gypsum board. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual Wall and Partition Design.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

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

A. **Firestop Device* —** Threaded steel sleeve device incorporating flat washers secured by threaded couplers. Device shall be installed in accordance with the accompanying installation instructions. Device provided in nom 1, 2 and 4 in. (25, 51 and 102 mm)

diam sizes. Max diam of opening in wall for nom 1, 2 and 4 in. (25, 51 and 102 mm) diam devices is 1-1/4, 2-7/16 and 4-1/2 in. (32, 62 and 114 mm), respectively.

UNIQUE FIRE STOP PRODUCTS INC — Threaded Penetrator

A1. **Firestop Device* —** (Not Shown) — As an alternate to the threaded sleeve device in Item 2A, threaded steel sleeve halves incorporating split nuts and split washers sized to fit the specific diam of the opening may be used. Device shall be installed in accordance with the accompanying installation instructions. Device provided in nom 1, 2 and 4 in. (25, 51 and 102 mm) diam sizes. Max diam of opening in wall for nom 1, 2 and 4 in. (25, 51 and 102 mm) diam device is 1-1/4, 2-7/16 and 4-1/2 in. (32, 62 and 114 mm), respectively.

UNIQUE FIRE STOP PRODUCTS INC — Split Sleeve

B. **Firestop Device* - End Cap —** End cap device incorporating an octagonal cover plate with a threaded coupling provided with an intumescent putty fill. Device provided in nom 1, 2 and 4 in. (25, 51 and 102 mm) diam sizes for use with nom 1, 2 and 4 in. (25, 51 and 102 mm) diam Threaded Sleeve (Item 2A) or Split-Sleeve (Item 2A1) devices. End cap devices installed on both sides of wall in accordance with accompanying instructions.

UNIQUE FIRE STOP PRODUCTS INC — Threaded Endcap

***** Bearing the UL Classification Mark

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 Listed or Classified 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 as Classified, Listed, or Recognized.

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