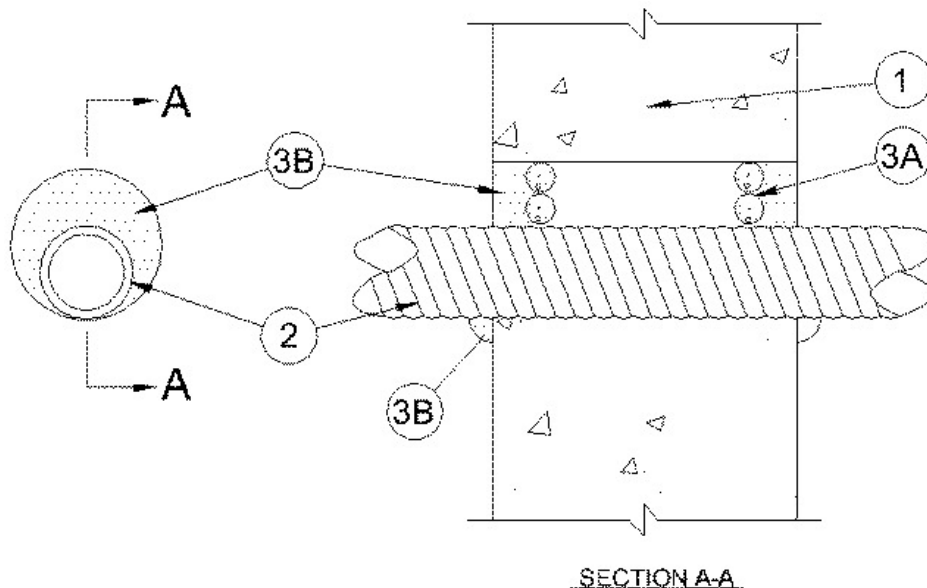


F Rating — 2 Hr
T Ratings — 1/4 and 2 Hr (See Item 2)



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 3 in. (76 mm). See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1A. Metallic Sleeve — (Optional) — Cylindrical sleeve fabricated from min No. 26 gauge galv sheet steel and having a min 1 in. (25 mm) overlap along the longitudinal seam. Ends of sleeve to be flush with or extend a max 1 in. (25 mm) beyond each surface of wall.

2. Through-Penetrant — One Flexible Metal Conduit+ to be installed either eccentrically or concentrically within the firestop system. The annular space shall be min 0 in. (point contact) to max 1-1/8 in. (29 mm). Conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of conduit may be used:

A. Steel Flexible Metal Conduit — Nom 1-1/2 in. (38 mm) diam (or smaller) steel flexible metal conduit. **When steel flexible metal conduit is used, the hourly T Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.**

See **Flexible Metal Conduit** (DXUZ) category in the Electrical Construction Materials Directory for names of manufacturers.

B. Aluminum Flexible Metal Conduit — Nom 1-1/2 in. (38 mm) diam (or smaller) aluminum flexible metal conduit. **When aluminum flexible metal conduit is used, the hourly T Rating of the firestop system is 1/4 hr.**

See **Flexible Metal Conduit** (DXUZ) category in the Electrical Construction Materials Directory for names of manufacturers.

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 both surfaces of wall to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Materials* - Caulk — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location between wall and conduit, a min 1/4 in. (6 mm) diam bead of fill material shall be applied to the wall/conduit interface on both surfaces of wall.

RECTORSEAL — [Metacaulk 1000](#)

+ Bearing the UL Listing Mark

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