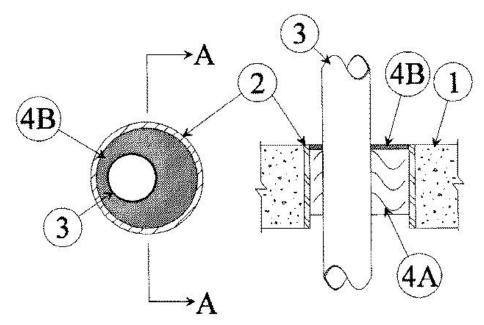


F Rating — 3 Hr
T Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft
L Rating at 400 F — 3 CFM/sq ft
W Rating — Class 1



## **SECTION A-A**

- 1. **Floor or Wall Assembly** Min 4-1/2 in. thick reinforced lightweight or normal weight (100-<u>150</u> pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\*.** Max diam of opening is 6 in. See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- 2. **Sleeves (Optional)** The following sleeves may be used:
  - A. **Metallic Sleeve** Nom 6 in. diam (or smaller) steel Schedule 40 (or heavier) pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
  - B. **Nonmetallic Sleeve** Nom 6 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- 3. **Through-Penetrants** One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space shall be min 1/2 in. to max 2-3/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types of conduit, tubing or pipe may be used:
  - A. **Conduit** Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit.
  - B. Copper Tubing Nom 3 in. diam (or smaller) Type M (or heavier) copper tubing.
  - C. Steel Pipe Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
- 4. **Firestop System** The firestop system shall consist of the following:
  - A. **Packing Material** Min 3-3/4 in. thickness of min 4.5 pcf mineral wool batt insulation tightly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
  - B. **Fill, Void or Cavity Material\* Caulk** Min 1/4 in. thickness of fill material applied within the annulus, flush with the top surface of floor or with both surfaces of wall. **RECTORSEAL** Metacaulk 835+





\*,+ 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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