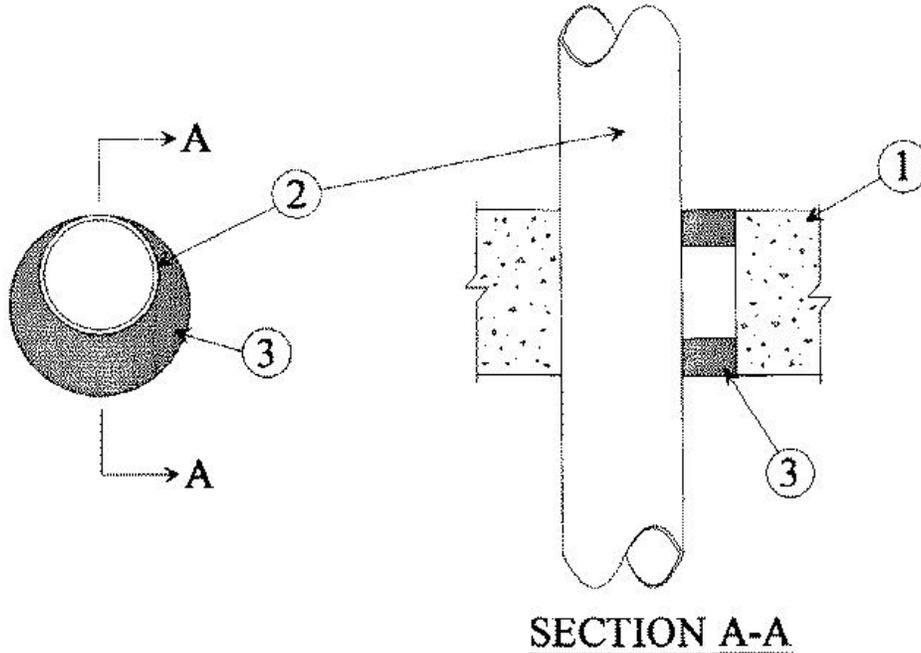


F Rating — 2 Hr
T Ratings — 0 & 1/4 Hr (See Item 2)



1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 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. Through-Penetrant — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 1-1/2 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types of tubing, pipe or conduit may be used:

A. **Copper Tubing** — Nom 3 in. diam (or smaller) Type L (or heavier) copper tubing.

B. **Copper Pipe** — Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.

C. **Steel Pipe** — Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.

D. **Conduit** — Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit.

T Rating is 1/4 hr Items C and D, 0 hr for Items A and B.

3. Fill, Void or Cavity Material* — Caulk — Min 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of floor or 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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