

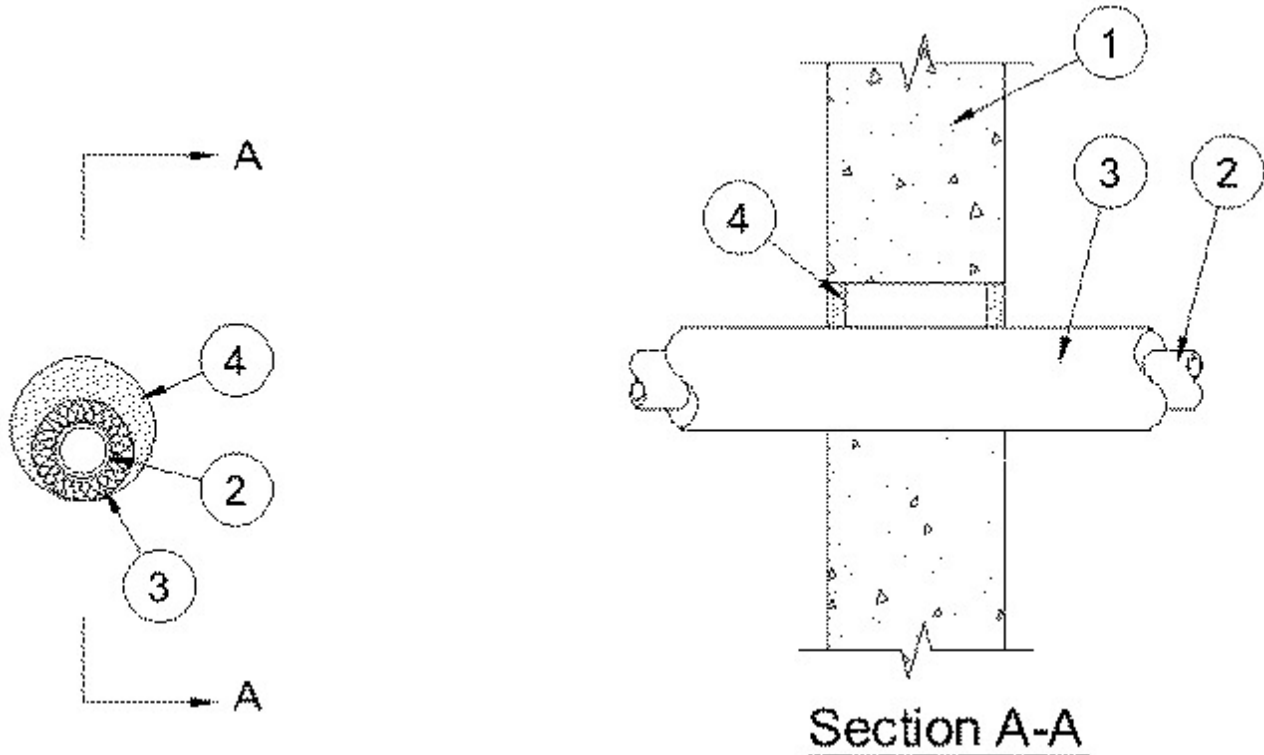


System No. W-J-5115

February 03, 2005

F Rating - 2 Hr

T Rating - 3/4 Hr



1. **Wall Assembly** — Min 4-1/2 in. (114 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 5 in. (127 mm).

2. **Through Penetrants** — One metallic pipe or tube installed within the firestop system. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types of metallic pipes or tubes may be used:

- A. **Steel Pipe** — Nom 2 in. (51 mm) (or smaller) Schedule 5 (or heavier) steel pipe.
- B. **Iron Pipe** — Nom 2 in. (51 mm) (or smaller) cast or ductile iron pipe.
- C. **Copper Tubing** — Nom 2 in. (51 mm) (or smaller) Type L (or heavier) copper tubing.
- D. **Copper Pipe** — Nom 2 in. (51 mm) (or smaller) Regular (or heavier) copper pipe.

3. **Pipe Covering* - Plastics+** — Nom 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The annular space shall be min 0 in. (point contact) to max 1-3/8 in. (35 mm).

See Plastics+ (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. **Fill, Void or Cavity Materials* - Caulk** — Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with both surfaces of wall assembly.

RECTORSEAL — BF 150+

*Bearing the UL Classification Mark