

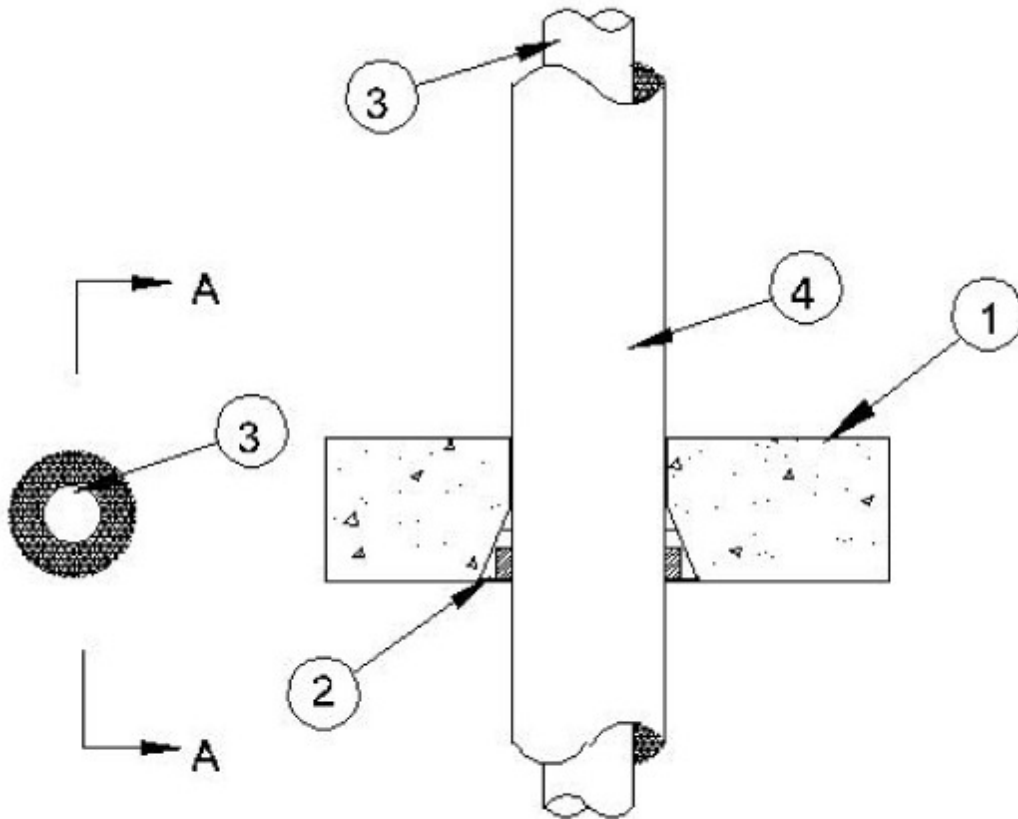


System No. F-A-5038

January 30, 2007

F Rating — 2 Hr

T Ratings — 1-1/4 Hr



Section A-A

1. **Floor Assembly** — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete.

2. **Firestop Devices*** — Cast in place firestop device permanently embedded during concrete placement in accordance with accompanying installation instructions. The device may project up to a max of 3-1/2 in. (89 mm) above top surface of floor or trimmed flush with top surface of floor. The devices are provided in nom 4 in. (102 mm) size.

RECTORSEAL — Biostop Cast -in- Place Firestop Device

3. **Through Penetrants** — One metallic pipe, tubing or conduit installed within the firestop system. Penetrant to be rigidly supported on both sides of floor assembly. The penetrant size shall be max 2-1/2 in. (64 mm) diam. The following types of metallic penetrants may be used:

- A. **Steel Pipe** — Schedule 5 (or heavier) steel pipe.
- B. **Iron Pipe** — Cast or ductile iron pipe.
- C. **Conduit** — Steel conduit or steel electrical metallic tubing.
- D. **Copper Tubing** — Type L (or heavier) copper tubing.

E. **Copper Pipe** — Regular (or heavier) copper pipe.

4. **Pipe Coverings*** — All Penetrants shall be provided with one of the following pipe coverings.

A. **Tube Insulation-Plastics+** — Max 1 in. (25 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

See **Plastics** (QMFZ2) category in the Plastics 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 94-5A may be used.

B. **Pipe and Equipment Covering Materials*** — Nom 1 in. (25 mm) thick hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering - Materials*** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

*Bearing the UL Classification Mark