

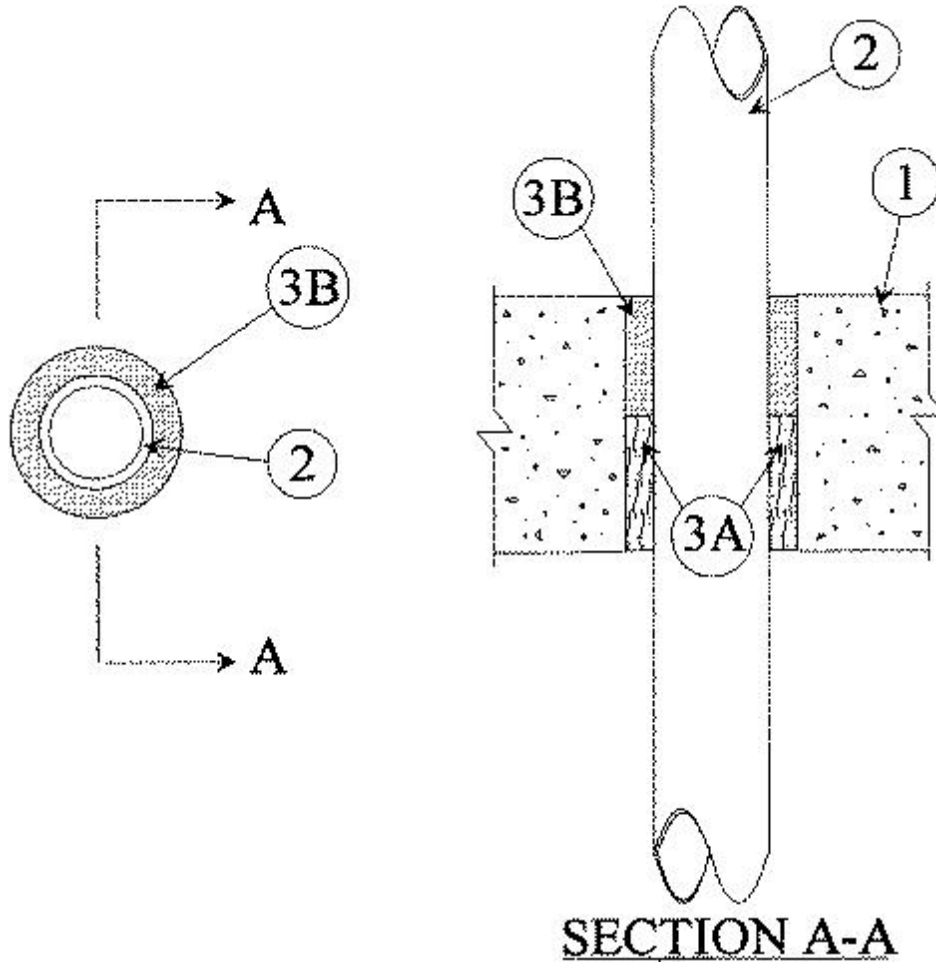


System No. C-AJ-2131

December 20, 2000

F Rating — 3 Hr

T Ratings — 1/2 & 2 Hr (See Item 2)



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 6-1/2 in. thick reinforced lightweight or normal weight or normal weight concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 4-1/2 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** — One nonmetallic pipe or conduit to be centered within the firestop system. A nom annular space of 1/2 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. **Polyvinyl Chloride (PVC) Pipe** — Nom 3 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping systems. The T Rating is 2 Hr when PVC pipe is used.

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 3 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems. A nom annular space of 1/2 in. is required within the firestop system. The T Rating is 2 Hr when CPVC pipe is used.

C. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 3 in. diam (or smaller) Schedule 40 ABS pipe for use in closed (process or supply) piping systems. The T Rating is 1/2 Hr when ABS pipe is used.

3. **Firestop System** — The firestop system shall consist of the following:

A. **Packing Material** — Min 2-1/2 in. thickness of min 4.0 pcf mineral wool batt insulation firmly 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. When PVC pipe is used, foam backer rod may be used in lieu of the mineral wool described above.

B. **Fill, Void or Cavity Material*** — **Caulk** — Min 2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

RECTORSEAL — BioStop 500+ Caulk.

*Bearing the UL Classification Mark