

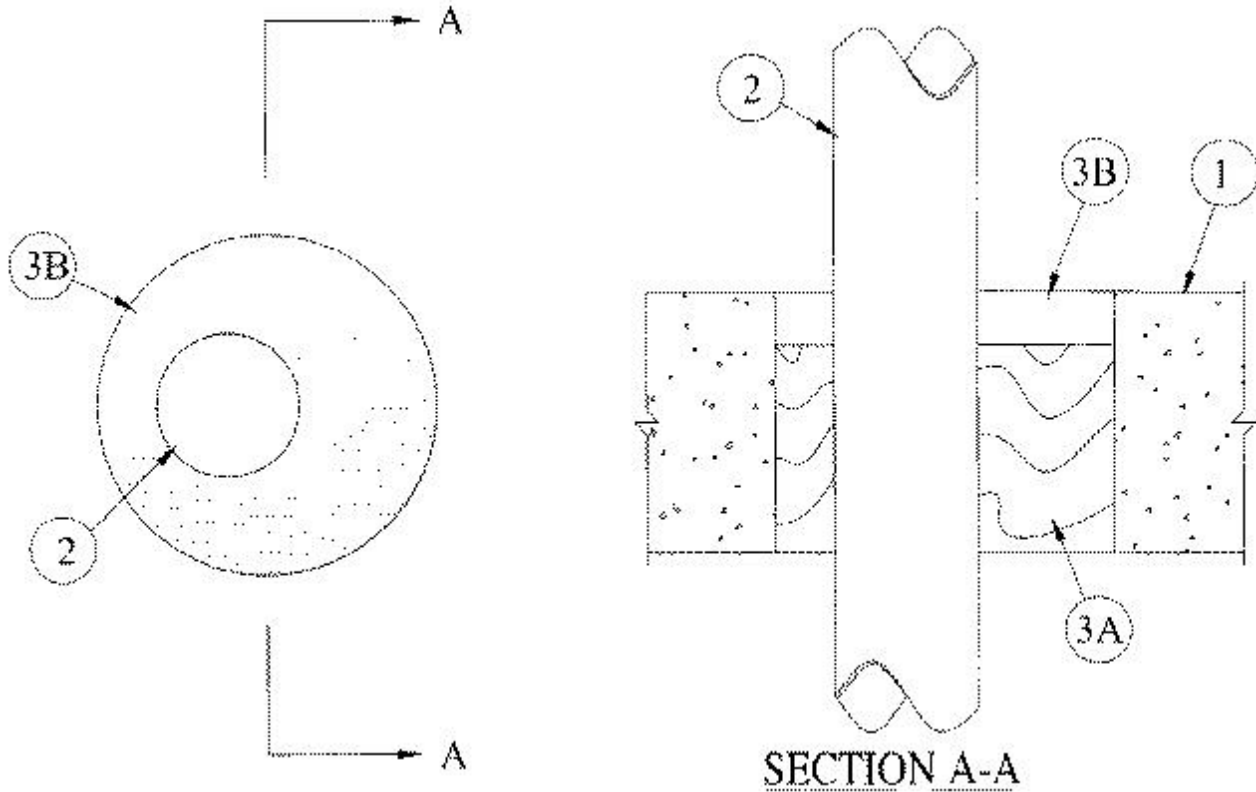


System No. C-AJ-2308

October 22, 2003

F Rating — 1-1/2 Hr or 2 Hr (See Item 2)

T Rating — 0 Hr



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 4 in.

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

2. **Through Penetrants** — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. The annular space shall be min 1/2 in. to max 1-5/8 in. Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 1-1/2 in. diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. When ABS pipe is used, F Rating is 2 hr.

B. **Polyvinyl Chloride (PVC) Pipe** — Nom 1-1/2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. When solid core PVC pipe is used, F Rating is 2 hr.

C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 1-1/2 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems. When solid core CPVC pipe is used, F Rating is 2 hr.

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

A. **Packing Material** — Min 4 in. thickness of min 4 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.

B. Fill, void or Cavity Material* — Caulk — Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or both surfaces of wall.

RECTORSEAL — Biostop 500+

*Bearing the UL Classification Mark