

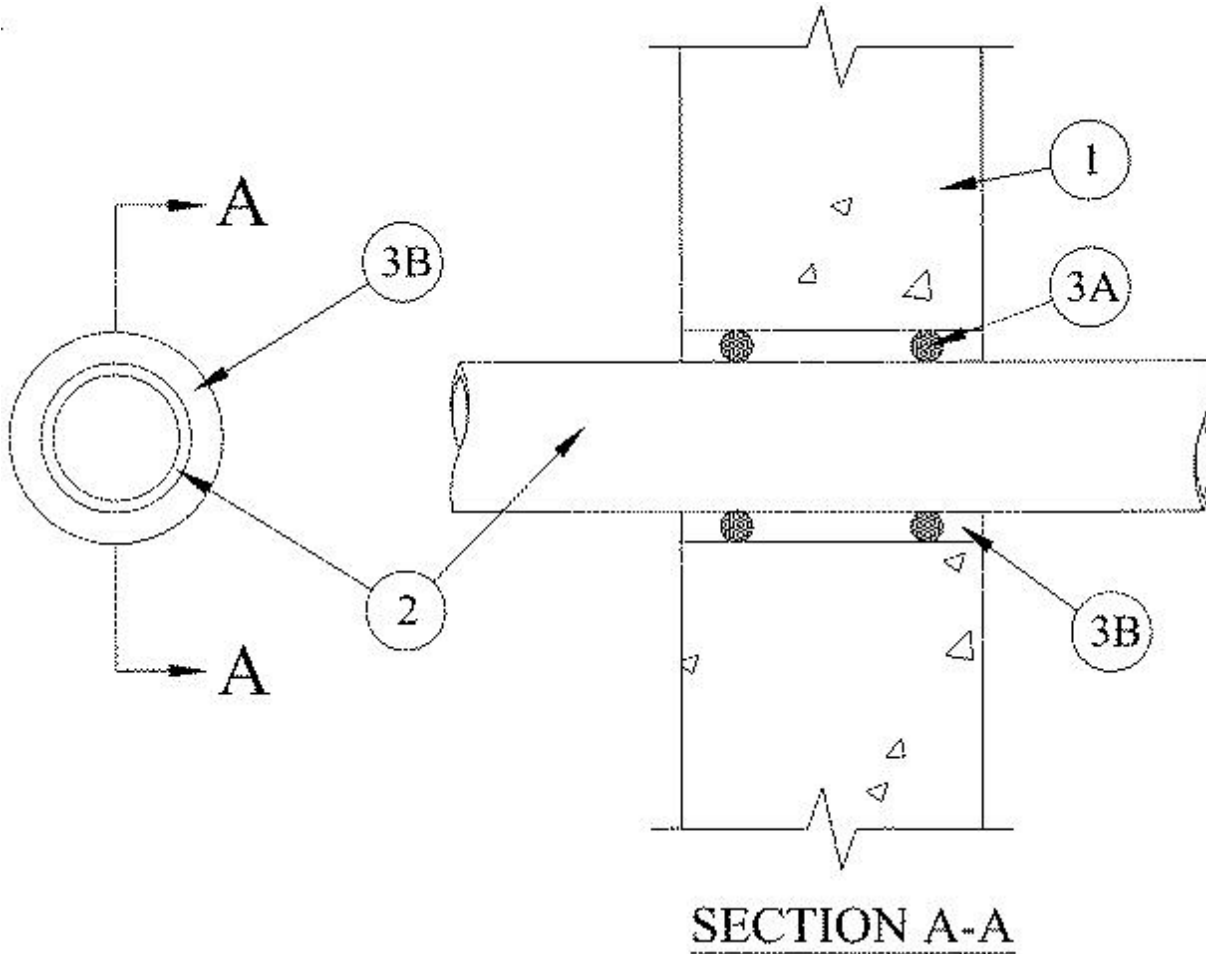


System No. W-J-2081

August 27, 2001

F Rating — 1 Hr

T Rating — 3/4 Hr



1. **Wall Assembly** — Min 4-3/4 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 4 in.

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

2. **Nonmetallic Penetrant** — One nonmetallic penetrant to be centered within the firestop system. The annular space between the nonmetallic penetrant and periphery of opening shall be 13/16 in. Through-penetrant shall be rigidly supported on both sides of wall assembly. The following type and size of nonmetallic penetrants may be used:

A. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 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.

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

A. **Packing Material** — Foam backer rod firmly packed into opening as a permanent form. Packing material is to be recessed 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 both surfaces of wall.

*Bearing the UL Classification Mark