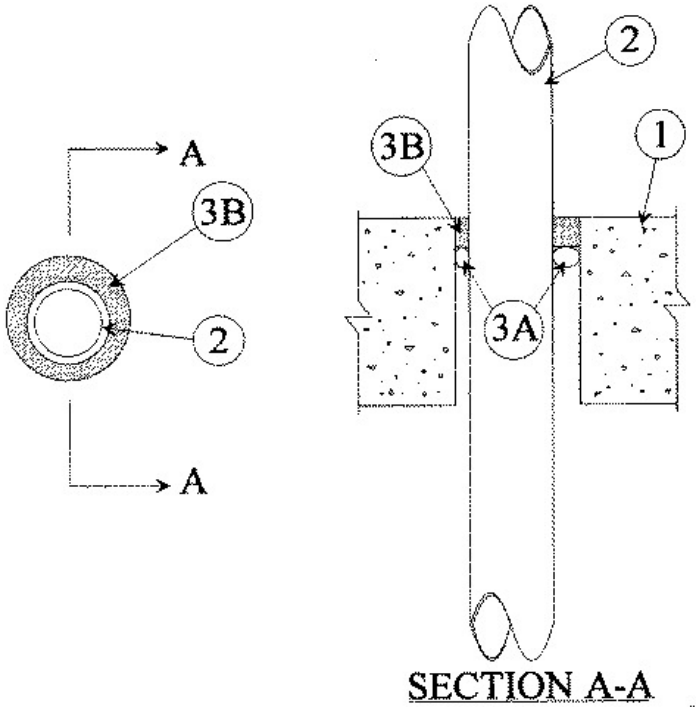
F Rating — 3 Hr
T Rating — 2 Hr



1. **Floor or Wall Assembly —** Min 4-1/2 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 2 in.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrant —** One nonmetallic pipe or tube to be installed either concentrically or eccentrically within the firestop system. The annular space to be min 5/16 in. to max 3/8 in. Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following type and sizes of pipe may be used.

A. **Polyvinyl Chloride (PVC) Pipe —** Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste and vent) piping systems.

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe —** Nom 1 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems.

C. **Crosslinked Polyethylene (PEX) Tubing —** Nom 1 in. diam (or smaller) SDR 9 PEX tube for use in closed (process or supply) piping systems.

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

A. **Packing Material —** (Optional) — Foam backer rod 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 with both surfaces of wall.
RECTORSEAL — Metacaulk 1000

*,+ Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.