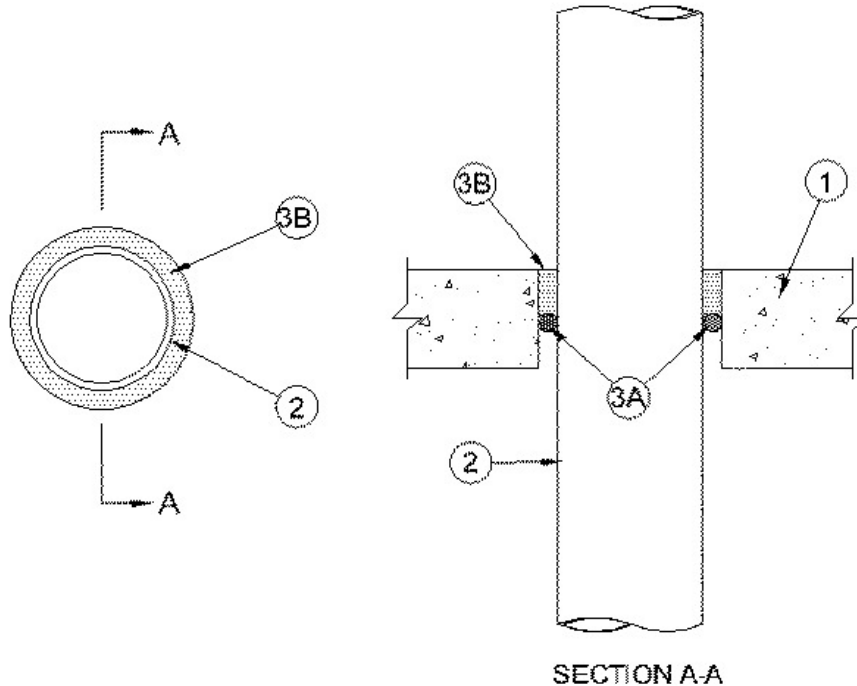


F Rating — 3 Hr  
T Rating — 1/2 Hr  
L Rating At Ambient — 2.8 CFM/sq ft  
L Rating At 400 F — Less Than 1 CFM/sq ft



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf Or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks**\*. Max diam of opening is 4 in. (102 mm). See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Nonmetallic Pipe** — One nonmetallic pipe to be centered within the firestop system. A nom annular space of 7/8 in. (22 mm) is required within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic may be used:
  - A. **Polyvinyl Chloride (PVC) Pipe** — Nom 2 in. (102 mm) diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
  - B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. (102 mm) diam (or smaller) SDR 13.5 CPVC pipe 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 to accommodate the required thickness of fill material.
  - B. **Fill, Void or Cavity Material\* - Sealant** — Min 2 in. (102 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.  
**RECTORSEAL** — [Metacaulk 350i](#).

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

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