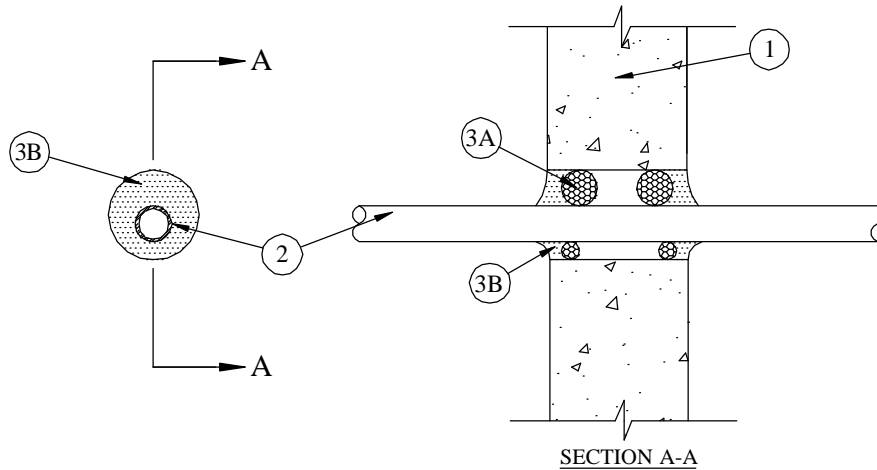


System No. W-J-2133

August 2008

F Rating — 1 & 2 Hr (See Item 1)

T Rating — 0, 1 & 2 Hr (See Items 1 and 2)
(UL/cUL)



1. **Wall Assembly** — Min 5 in. (127 mm) or 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m³) concrete for 1 hr or 2 hr F and T Ratings, respectively. 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. **Through Penetrants** — One nonmetallic pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:
 - A. **Polyvinyl Chloride (PVC) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. The diam of the opening shall be 7/8 in. (22 mm) larger than the penetrant. The annular space between pipe and periphery of opening shall be min 0 (point contact) to max 7/8 in. (22 mm). **For use with 1 hr wall constructions only. When used, F Rating is 1 hr and T Rating is 0 hr.**
 - B. **Polyvinyl Chloride (PVC) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) piping systems. The annular space between pipe and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).
 - C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems. The annular space between pipe and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).
 - D. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid-core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. The annular space between pipe and periphery of opening shall be min 1/4 in. (6 mm) to max 7/8 in. (22 mm).
 - E. **Crosslinked Polyethylene (PEX) Tube** — Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems. The annular space between tube and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).
 - F. **Rigid Nonmetallic Conduit+** — Nom 2 in. (51 mm) diam (or smaller), Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70). The annular space between conduit and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).
 - G. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. diam (or smaller) FLOWGUARD GOLD® SDR11 CPVC for use in closed (process or supply) piping systems. The annular space between conduit and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).

- H. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 2 in. diam (or smaller) BLAZEMASTER® SDR13.5 CPVC for use in closed (process or supply) piping systems. The annular space between conduit and periphery of opening shall be min 1/4 in. (6 mm) to max 1-3/8 in. (35 mm).
3. **Firestop System** — The firestop system shall consist of the following:
- A. **Packing Material** — In 2 hr wall assemblies, foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
- B. **Fill, Void or Cavity Material* — Caulk** — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Additional fill material to be installed such that a min 1/4 in. (6 mm) crown is formed around the penetrating item.
- TREMCO INC** — TREMstop Intumescent Acrylic, FyreCaulk, or TREMstop IA+

*Bearing the UL Classification Mark



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