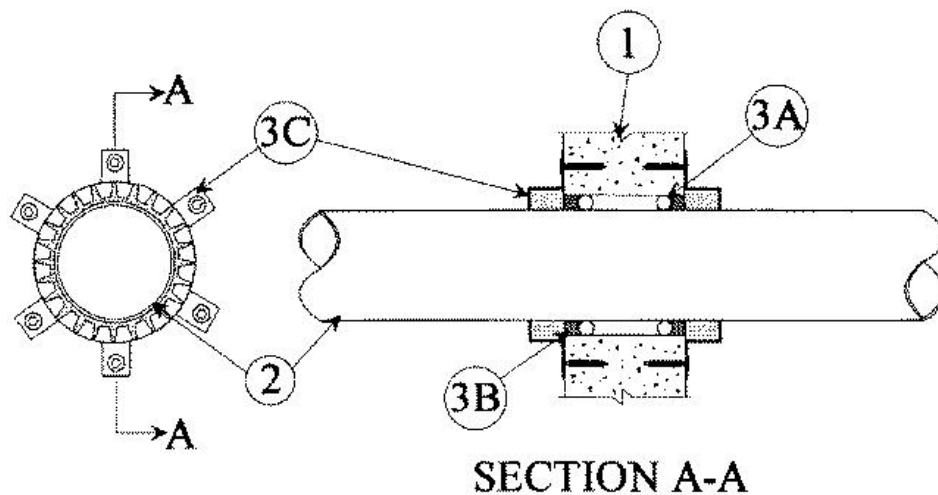


F Rating — 2 Hr
T Rating — 2 Hr



1. Wall Assembly — Min 5 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 7-1/4 in.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants — One nonmetallic pipe to be centered within the firestop system. For 4 and 6 in. diam pipes, a nom annular space of 1/4 to 3/8 in. is required. For nom 3 in. diam (or smaller) pipes, a max annular space of 3/16 in. is required in 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 or uPVC) Pipe — Nom 6 in. diam Schedule 40 cellular or solid core PVC or uPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. Unplasticized Polyvinyl Chloride (uPVC) Pipe — Nominal 4 in. (102 mm) diameter (or smaller), SDR 41, SDR 33, or SDR 26 uPVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 6 in. diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

D. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 6 in. diam 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 — (Optional for 3 in. diam , (or smaller) pipes) -Foam backer rod firmly packed into opening as a permanent form. Packing material 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 — (Optional for 3 in. diam (or smaller) pipes) - Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

RECTORSEAL — [Metacaulk 1000](#)

C. Firestop Device* — Galv steel collar lined with an intumescent material sized to fit specific diam of the through penetrant. Device to be installed around through penetrant in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to both surfaces of the wall by means of 1/4 in. diam by 1-1/4 in. long steel expansion bolts in conjunction with min 3/4 in. diam washers.

RECTORSEAL — [Metacaulk Pipe Collar](#)

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