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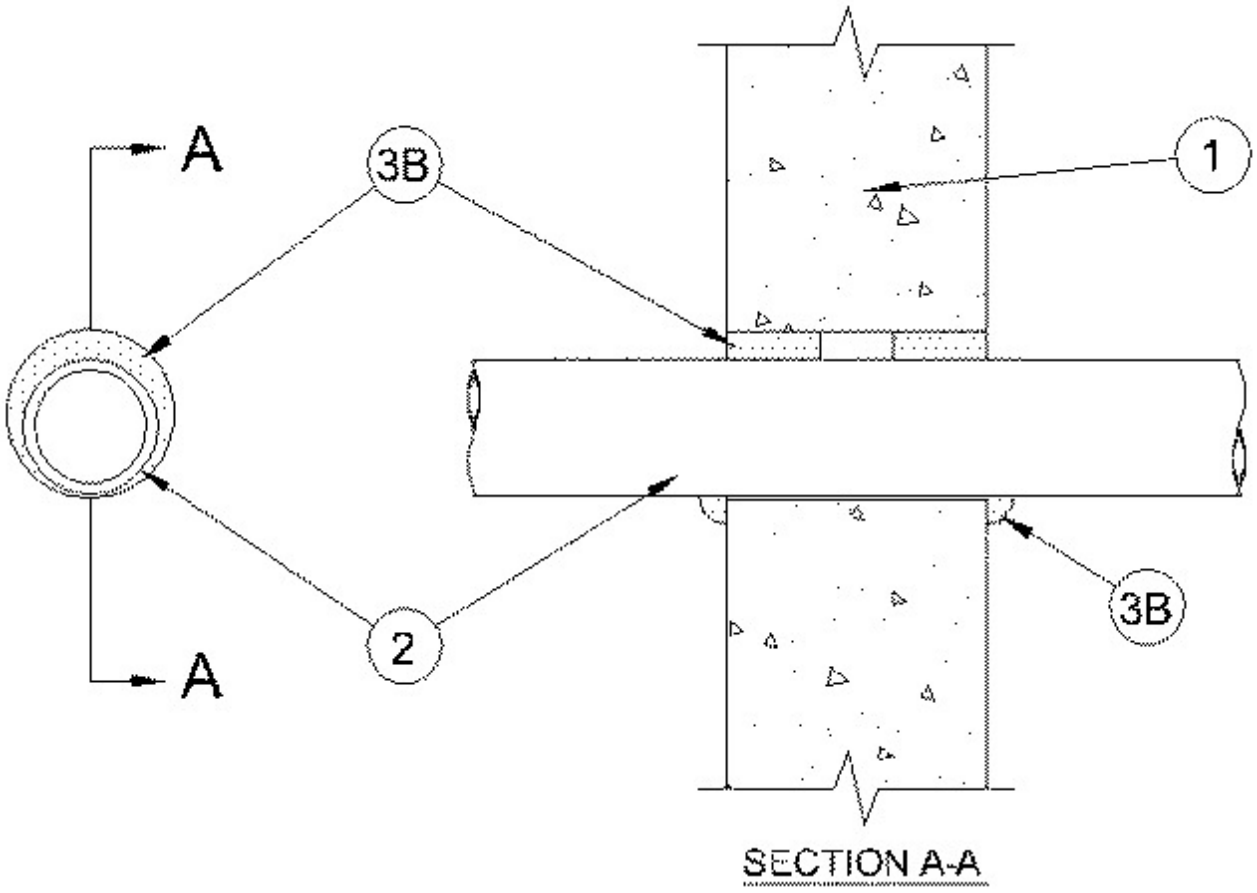
System No. W-J-2163

September 01, 2004

F Rating — 2 Hr

T Rating — 0 Hr



SECTION A-A

1. **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 2-3/8 in.

2. **Nonmetallic Pipe —** One non-metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 (point contact) to max 1/2 in. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of non-metallic pipes or tubing may be used:

A. **Polyvinyl Chloride (PVC) Pipe —** Nom 1-1/2 in. diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. **Electrical Non-Metallic Tubing (ENT) —** Nom 1-1/2 in. (or smaller) PVC tubing installed in accordance with Article 331 of the National Electrical Code (NFPA 70).

C. **Cross Linked Polyethylene (PEX) Tubing —** Nom 1 in. (or smaller) PEX tubing installed in accordance with Article 331 of the National Electrical Code (NFPA 70).

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 each surface of the wall to accommodate the required thickness of fill material.

B. **Fill Void or Cavity Materials* — Caulk —** Min 5/8 in. thickness of fill material applied within the annulus on both surfaces of the wall assembly. A min 1/2 in. diam bead of caulk shall be applied to the pipe/gypsum board interface at the point contact location on both sides of wall.

RECTORSEAL — Biostop 500+

*Bearing the UL Classification Mark