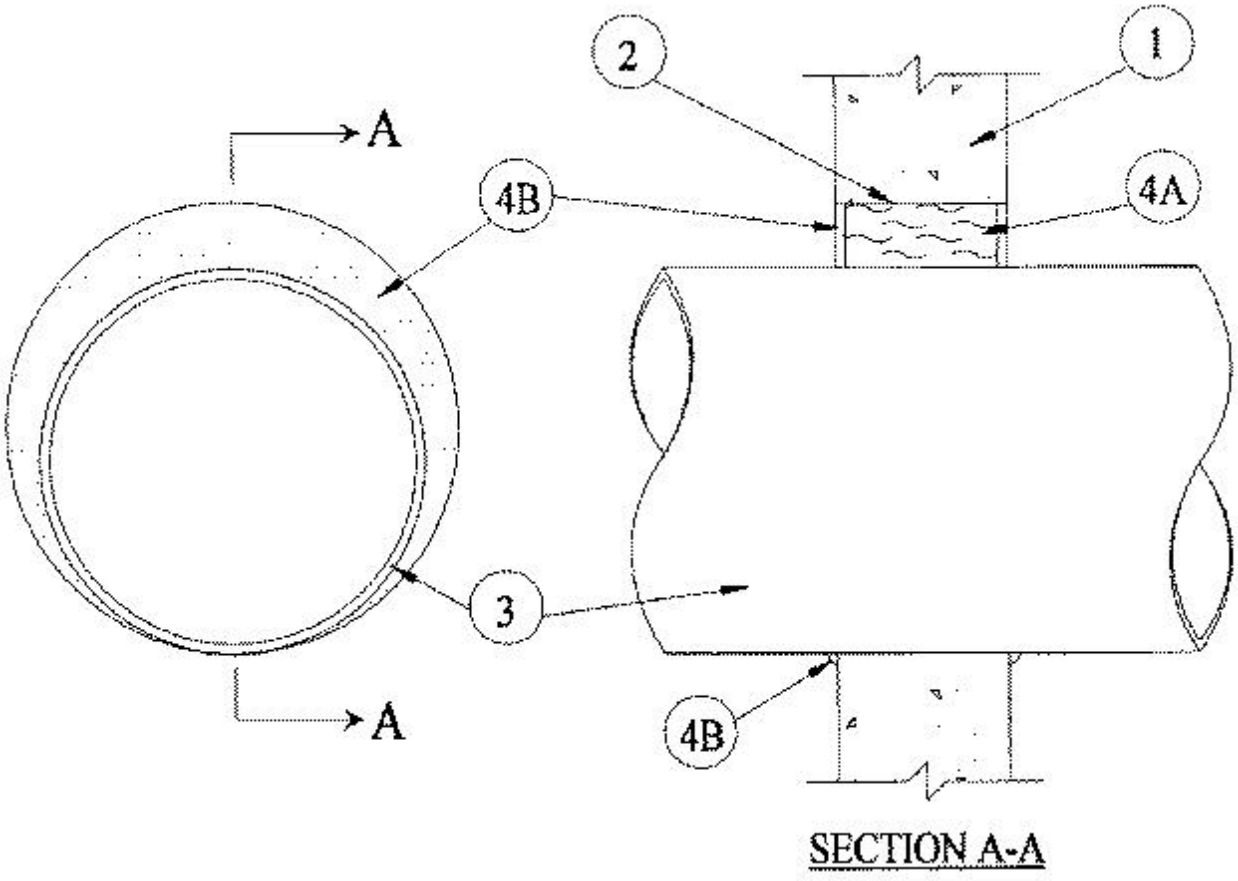
System No. W-J-7015

April 21, 2008

F Rating — 2 Hr

T Rating — 0 Hr



SECTION A-A

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 17 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Wire Mesh —** Cylindrical sleeve fabricated from No. 8 steel wire mesh and having a min 1 in. lap along the longitudinal seam. Length of steel mesh to be equal to thickness of wall. Steel wire mesh to be formed to fit periphery of through opening.

3. **Steel Duct —** Nom 16 in. diam (or smaller) No. 26 gauge (or heavier) steel duct to be installed either concentrically or eccentrically within the opening. The annular space shall be min 0 in. (point contact) to max 1 in. Duct to be rigidly supported on both sides of wall assembly.

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

A. **Packing Material —** Min 4 in. thickness of min 4 pcf mineral wool batt insulation 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 —** Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location, a min 1/4 in. diam bead of fill material shall be applied to the wall/duct interface on both surfaces of the wall.

RECTORSEAL — Biostop 500+ Caulk

*Bearing the UL Classification Mark