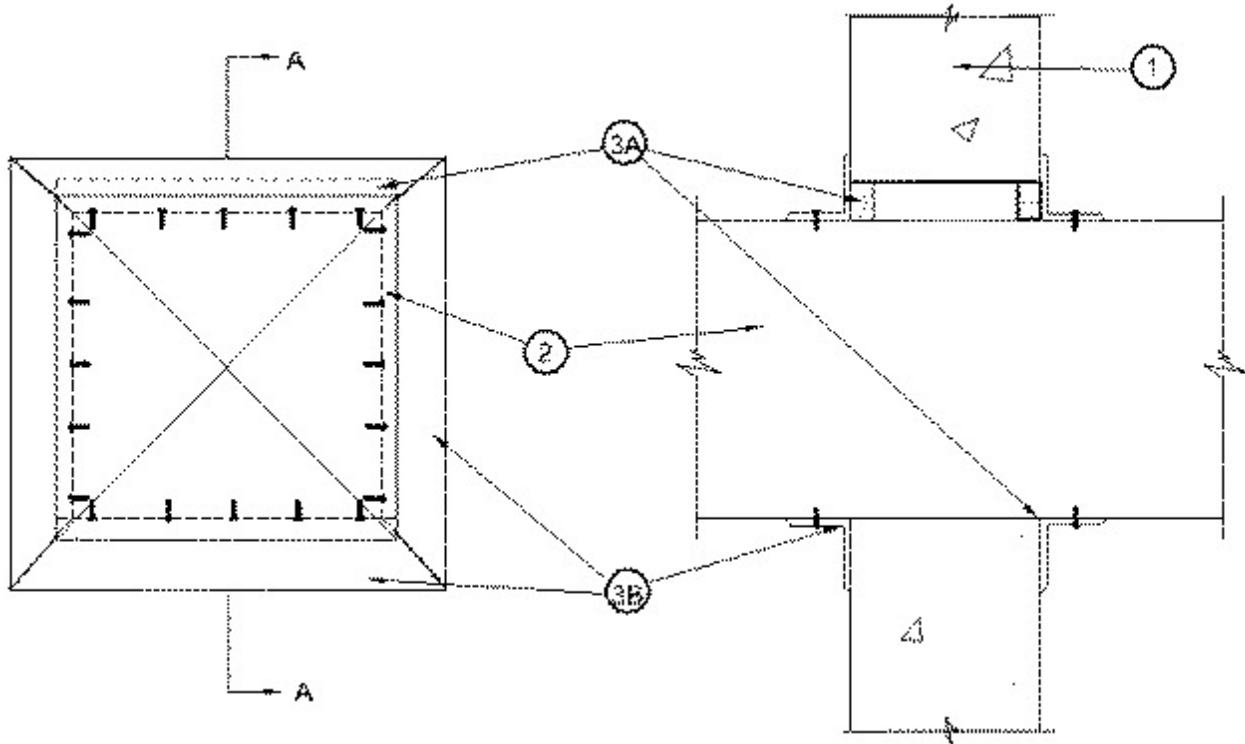


System No. W-J-7053

April 03, 2003

F Rating — 2 Hr

T Rating — 3/4 Hr



1. **Wall Assembly** — Min 6 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 552-1/4 sq in. with a max dimension of 23-1/2 in.

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

2. **Steel Duct** — Nom 23 in. by 23 in. (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. Steel duct to be rigidly supported on both sides of the wall assembly.

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

A. **Fill, Void or Cavity Material* - Caulk** — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Additional 1/8 in. wet thickness of fill material shall overlap a min 1/2 in. onto the steel duct. At point contact location between duct and wall, a 1/2 in. diam bead of caulk shall be applied before attaching steel retaining angles (Item 3B).

RECTORSEAL — Biostop 500+

B. **Steel Retaining Angles** — Min 1-1/2 in. by 1-1/2 in. by No. 20 ga galv steel angles. Angles attached to steel duct only on both sides of wall with min No. 10 by 3/4 in. long steel sheet metal screws spaced a max of 1-1/2 in. from each end of steel duct and spaced a nom 6 in. OC. Angles installed such that they tightly abut the wall surface on both sides of wall.

*Bearing the UL Classification Mark