

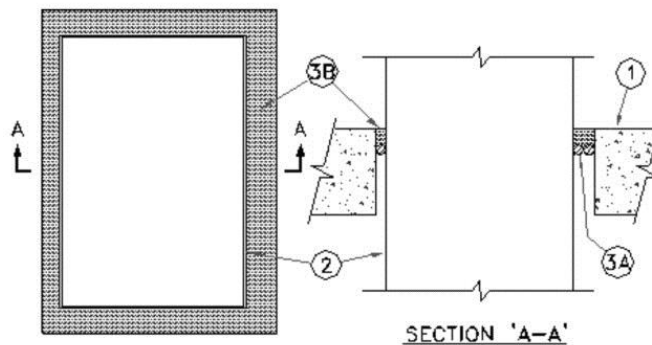
Through-penetration Firestop Systems

System No. C-AJ-7137

July 10, 2008

F Rating — 3 Hr

T Rating — 0 Hr



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced light weight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Floor may also be constructed of any min 8 in. (203 mm) thick UL Classified hollow core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 384 sq. in. (0.25 m²) with max dimension of 32 in. (813 mm). When precast concrete units are used the max area of opening is 49 sq. in. (316 cm²) with max dimension of 7 in. (178 mm).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units*** (CFTV) categories in the FireResistance Directory for names of manufacturers.

2. **Steel Duct** — Max 30 by 10 in. (762 by 254 mm) No. 24 gauge (or heavier) galv steel duct. One steel duct to be positioned within the firestop system. The annular space shall be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Duct to be rigidly supported along its entire perimeter 4 in. (102 mm) from both floor or wall surfaces.

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

A. **Packing Material** — Nom 1 in. (25 mm) diam foam backer rod or min 4 pcf (64 kg/m³) mineral wool insulation, firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.

B. **Fill Void or Cavity Material* - Sealant** — Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with the top surface of floor or both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed on both sides of the floor.

ACCUMETRIC L L C — Boss 816

*Bearing the UL Classification Mark

