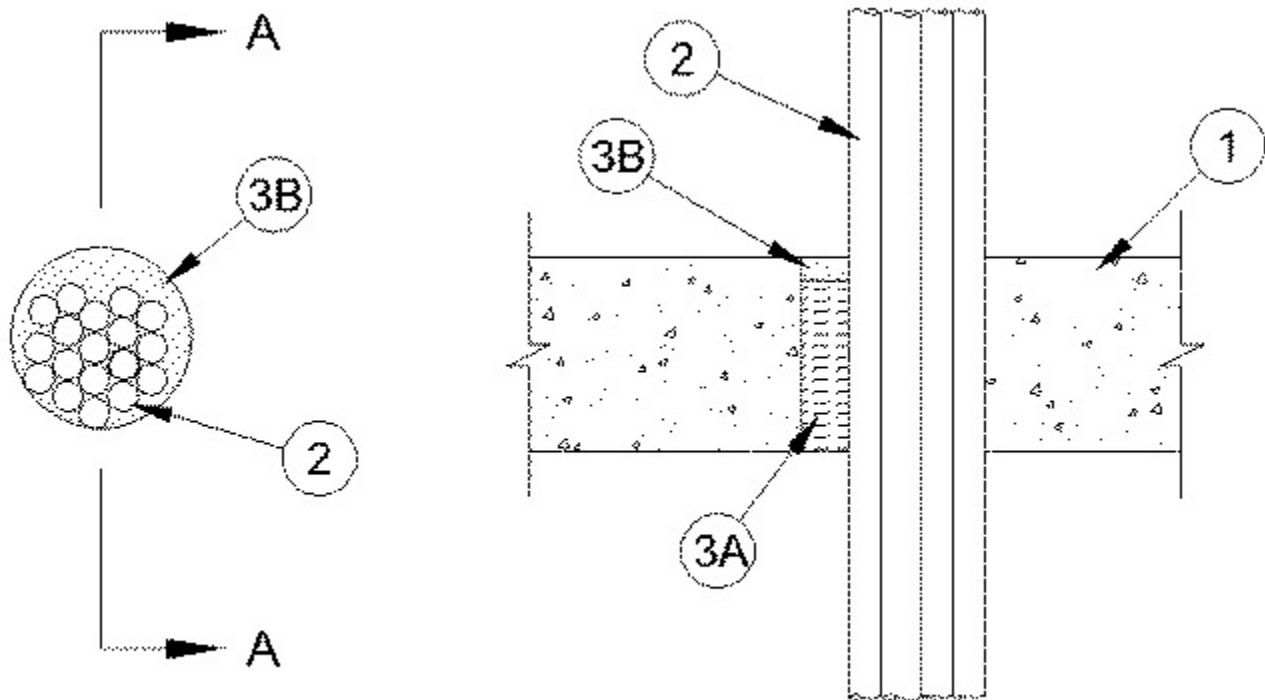


System No. C-AJ-3258

October 11, 2005

F Rating — 2 Hr

T Ratings — 1/4, 1/2 and 3/4 Hr (See Item 2)



Section A-A

1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 4 in. (102 mm).

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

2. **Cables** — Aggregate cross-sectional area of cables in opening to be max 32 percent of the aggregate cross-sectional area of the opening. Annular space between cable bundle and edge of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:

A. Max 7/C - No. 12 AWG (or smaller) cable with polyvinyl chloride (PVC) insulation and PVC jacket. **The T Rating for the firestop system is 1/4 hr when these cables are used.**

B. Max 25 pair No. 24 AWG (or smaller) cable with PVC insulation and jacket. **The T Rating for the firestop system is 1/2 hr when these cables are used.**

C. Max 3/C (with ground) No. 2/0 (or smaller) copper conductor SER cable with polyvinyl chloride (PVC) insulation and PVC jacket. **The T Rating for the firestop system is 3/4 hr when these cables are used.**

D. Max 350 kcmil (or smaller) single conductor power cables with polyvinyl chloride (PVC) insulation. **The T Rating for the firestop system is 1/4 hr when these cables are used.**

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

A. **Packing Material** — Min 3-1/2 in. (89 mm) thickness of min 6 pcf (96 kg/m³) density mineral wool batt insulation firmly packed into opening as a permanent form. Packing material recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material (Item 3B).

B. **Fill Void or Cavity Materials* - Caulk** — Min 1 in. (25 mm) thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall. Fill material to be forced into interstices of cable group to max extent possible.

FLAME TECH INC — Flame Guard - 814 Caulk

*Bearing the UL Classification Mark