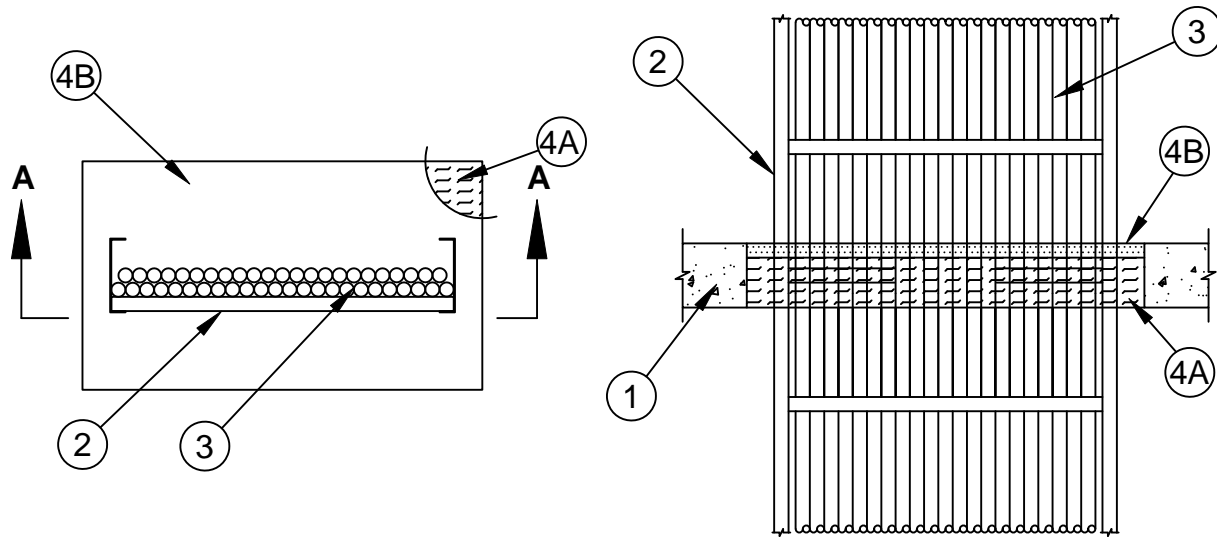


## System No. C-AJ-4090

F Rating - 2 Hr  
T Rating - 1/2 Hr



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/m<sup>3</sup>) concrete floor or min 5-1/2 in. (140 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks**\*. Max area of opening is 544 sq in. (3510 cm<sup>2</sup>) with max dimensions of 34 in. (864 mm).

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

2. **Cable Tray\*** - Max 30 in. (762 mm) wide by max 6 in. (152 mm) deep open ladder cable tray with channel-shaped side rails formed from 0.060 in. (1.5 mm) thick (No. 16 gauge) galv steel with nom 1 in. (25 mm) diam rungs spaced max 9 in. (229 mm) OC or max 24 in. (610 mm) wide by 5 in. (127 mm) deep open ladder cable tray with channel-shaped side rails formed from 0.080 in. (2.1 mm) thick aluminum with nom 1 in. (25 mm) diam rungs spaced max 9 in. (229 mm) OC. The annular space between the cable tray and the periphery of the opening shall be min 0 in. (point contact) to max 6 in. (152 mm). Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. **Cables** - Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray based on a max 3 in. (76 mm) deep cable loading depth within the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:
  - A. Max 1/C - 1000 kcmil cable with polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE) insulation and jacket.
  - B. Max 7/C - No. 12 AWG cable with PVC-nylon insulation and PVC jacket.
  - C. Max 400 pair - No. 24 AWG copper conductor telephone cable with PVC insulation and jacket.
  - D. Max RG/U coaxial cables with fluorinated ethylene jacket and insulation.
  - E. Multiple fiber optic cables with PVC insulation.
  - F. **Through Penetrating Products\*** - Max 4/C with ground No. 2/O AWG Metal-Clad Cable+.
4. **Firestop System** - The firestop system shall consist of the following:
  - A. **Packing Material** - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
  - B. **Fill, Void or Cavity Material\* - Sealant** - Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall. At point contact location between cable tray and periphery of opening, nom 1/2 in. (13 mm) diam bead of fill material applied at the cable tray/concrete interface on top surface of floor or both surfaces of wall. Additional fill material injected into grouped cable interstices to max extent possible.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

\*Bearing the UL Classification Mark



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