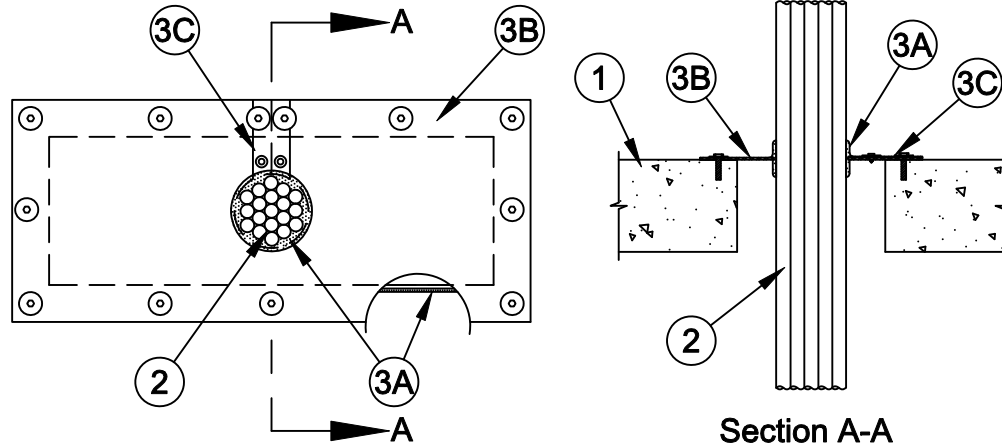


System No. C-AJ-3244

F Rating - 2 Hr
T Rating - 0 Hr



1. **Floor or Wall Assembly** - Min 4-1/2 in. thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening 240 sq in. (0.15 m²) with max dimension of 30 in. (762 mm).

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

2. **Cables** - One or more max 4 in. (102 mm) diam tight bundles of cables. The space between cable bundles shall be min 3 in. (76 mm). The space between cable bundles and periphery of opening shall be min 1 in. (25 mm). Cable bundles rigidly supported on both sides of floor or wall. Any combination of the following types and sizes of cables may be used:

- A. Max 750 MCM power cables; THHN or THWN jacketed.
- B. Max 7/C No.12 AWG multiconductor power and control cables; jacketed.
- C. Max 300 pair No. 24 AWG copper conductor communication cable with polyvinyl chloride insulation and jacket material.
- D. Multiple fiber optical communication cable with polyvinyl chloride jacket.
- E. Max 25 pair No. 24 AWG telephone cable with polyethylene insulation and polyvinyl chloride jacket.

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

- A. **Fill, Void or Cavity Materials* - Putty or Sealant** - Min 3/16 in. (5 mm) thick by 2 in. (51 mm) wide band of putty or sealant required around each cable bundle on top side of floor or on both sides of wall assembly. Putty or sealant band installed to project approx 1 in. (25 mm) beyond each face of the composite sheet (Item 3B) on both sides of floor or wall assembly. Nom 3/16 in. (5 mm) wide by 3/16 in. (5 mm) thick putty strips or nom 1/4 in. (6 mm) diam bead of sealant applied beneath composite sheet around entire perimeter of through opening on top surface of floor or on both sides of the wall. Min 3/16 in. (5 mm) cove bead of putty or sealant to be applied around the base of each cable bundle at its egress from the intumescent sheet on top side of the floor or both sides of the wall assembly.

SPECIFIED TECHNOLOGIES INC - SpecSeal Putty, SpecSeal 100, 101, 102, 120, 129 or 105 Sealant or SpecSeal LCI Sealant

- B. **Fill, Void or Cavity Materials* - Composite Sheet** - Foil-faced sheet with galv steel sheet backer. Sheets may be installed as one solid sheet, cut in two pieces or slit on one side of the penetrant(s). Opening in intumescent sheet to be max 3/16 in. (5 mm) larger than through penetrants. Sheets cut to lap a min of 2 in. (51 mm) on the floor or wall surfaces. Sheet to be installed with the galv steel sheet backer exposed (aluminum foil facing against floor or wall surface) and secured to floor or wall surface with min 3/16 in. (5 mm) diam by 1-1/4 in. (32 mm) long steel concrete screws in conjunction with min 1-1/4 in. (32 mm) diam steel fender washers. Spacing of fasteners not to exceed 6 in. (152 mm) OC with additional fasteners located on each side of butted seams or slits made to permit installation of the sheet around the penetrants. Sheet installed on top surface of floor and on both sides of wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal CS Composite Sheet

- C. **Steel Cover Strip** - Min 2 in. (51 mm) wide strip of min 0.020 in. (0.51 mm) thick (26 ga) galv steel centered over entire length of each butted seam or slit made in the intumescent sheet (Item 3B). Prior to installation of the steel strip, the seam or slit in the intumescent sheet shall be covered with a nom 1/8 by 1/2 in. (3.2 mm by 13 mm) ribbon of putty or a nom 1/4 in. (6 mm) diam bead of sealant (Item 3A). Steel cover strip secured to galv steel sheet backer of composite sheet with steel sheet metal screws or steel rivets spaced max 3 in. (76 mm) OC on each side of seam or slit.

*Bearing the UL Classification Mark



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