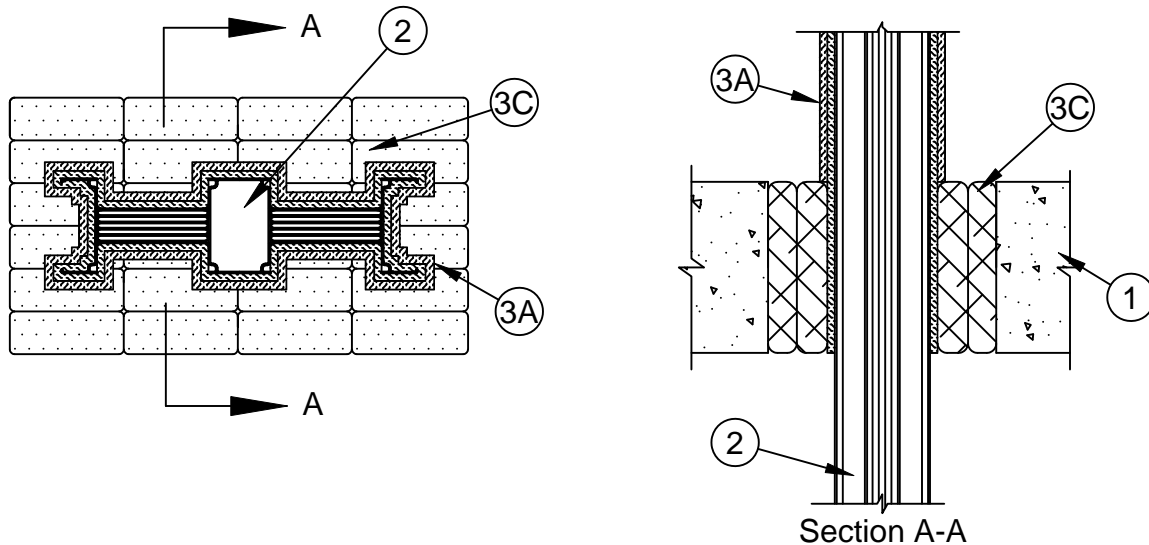


System No. C-BK-6002



ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 3 Hr	F Rating - 3 Hr
T Rating - 2-1/4 Hr	FT Rating - 2-1/4 Hr
	FH Rating - 3 Hr
	FTH Rating - 2-1/4 Hr



1. **Floor or Wall Assembly** - Min 9 in. (229 mm) thick reinforced 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 is 312 sq in. (2013 cm²) with max dimension of 27 in. (686 mm).
See **Concrete Blocks** (CAZT) in the Fire Resistance Directory for names of manufacturers.
2. **Busway+** - Nom 20 in. (508 mm) wide (or smaller) by 5 in. (127 mm) deep "I" shaped aluminum enclosure containing factory-mounted aluminum bars rated for 600 V, 4000 A. One busway to be installed within the opening. The annular space between the busway and the periphery of the opening shall be a min 1 in. (25.4 mm) to a max 3-1/2 in. (88.9 mm). Busway to be rigidly supported on both sides of floor or wall assembly. The busway shall bear the UL Listing Mark and shall be installed in accordance with the National Electrical Code, NFPA 70.
3. **Firestop System** - The firestop system shall consist of the following:

A. **Fill, Void or Cavity Material* - Wrap** - Nom 0.4 in. (10 mm) flexible sheet material. A min of two layers of wrap material are required. In floors the first layer of wrap material shall be positioned flush with the bottom plane of the floor and project a min 25 in. (635 mm) above the top surface of the floor. The second layer of wrap material shall be positioned flush with the top surface of the floor and project a min 12 in. (305 mm) above the top surface of the floor. In walls the first layer of wrap material shall be continuous within the wall and project a min 25 in. (635 mm) beyond each surface of the wall and the second layer of wrap material shall project a min 12 in. (305 mm) beyond each surface of the wall. Individual layers of wrap material shall be installed with each layer of wrap material installed by cutting to size and wrapping around the busway and itself such that a min 1-1/2 in. (38.1 mm) overlap is present along the longitudinal seam and with adjacent lengths of wrap material in each layer to be installed with tightly-butted ends seams. Successive layers of wrap material installed in same manner with butted end seams offset min 1-1/2 in. (38.1 mm) from butted end seams of preceding layer. Wrap material folded to maintain contact with all sides of busway. Cut edges and seams of wrap material covered with one layer of aluminum foil tape. Wrap material layers secured in place with steel tie wire (Item 3B) on outermost layer.

SPECIFIED TECHNOLOGIES INC - Thermal Barrier Wrap



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- B. **Steel Tie Wire** - (Not shown) - Min No. 16 Gauge (1.5 mm) galvanized steel tie wire. Tie wire used to secure outside layers of wrap material and spaced max 8 in. (203 mm) OC and max 1 in. (25.4 mm) from floor or wall surfaces and on each side of transition location where second layer of wrap material terminates.
- C. **Fill, Void or Cavity Material* - Pillows** - Nom 9 in. (229 mm) long by 4 to 6 in. (102 to 152 mm) wide by 1 to 3 in. (25.4 to 76.2 mm) thick plastic covered intumescent pillows. In floors, pillows to be installed lengthwise into the opening and positioned flush with the bottom plane of the floor. In walls, pillows to be installed lengthwise through the opening and positioned to extend equally in both directions from the approximate centerline of the wall. Pillows tightly packed into opening to fill the annular space between busway and periphery of opening.

SPECIFIED TECHNOLOGIES INC - SpecSeal Firestop Pillows

- D. **Fill Void or Cavity Material* - Putty or Sealant** - (Not Shown) - After installation of pillows (Item 3C), min 1/2 in. (12.7 mm) thickness of putty or sealant applied to seal any voids between the busway and the pillows on both sides of the floor or wall assembly.

SPECIFIED TECHNOLOGIES INC - SpecSeal Putty, SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

+Bearing the UL Listing Mark

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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