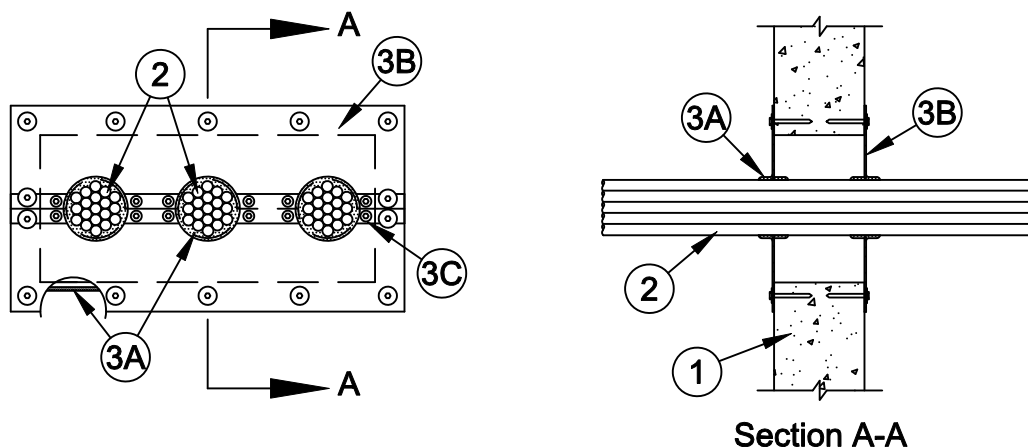


System No. W-J-3146

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



1. **Wall Assembly** - Min 6 in. (152 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 192 sq in. (0.12 m²) with max dimensions of 24 in. (610 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 cable. 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 the 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 jacketed with polyvinyl chloride.
 - 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 penetrants on both sides of wall assembly. Putty or sealant bands installed to project approx 1 in. (25 mm) beyond each face of the composite sheet (Item 3B) on both sides of wall assembly. Nom 3/16 in. (5 mm) cove bead of putty or sealant applied around base of cable bundle at its egress from the intumescent sheet on both sides of the wall. 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 both sides of the wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal Putty, SpecSeal Series SSS 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 (top and bottom) or split on one side of the penetrant(s). Opening in intumescent sheet to be max 3/16 in. (5 mm) larger than outside diameter of cable bundle. Sheets cut to lap min of 2 in. (51 mm) on the wall on all sides. Sheets to be installed on each side of wall with foil facing against wall surface and secured 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.

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 gauge) galv steel centered over entire length of each butted seam or slit made in the composite sheet (Item 3A). Prior to installation of the steel strip, the seam or slit in the composite sheet shall be covered with a nom 1/8 by 1/2 in. (3.2 by 13 mm) ribbon of putty or a nom 1/4 in. (6 mm) diam bead of sealant (Item 3B). Steel cover strip secured to galv steel sheet backer of composite sheet with steel sheet metal screws or rivets spaced max 3 in. (76 mm) OC on each side of seam or slit.

*Bearing the UL Classification Mark



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