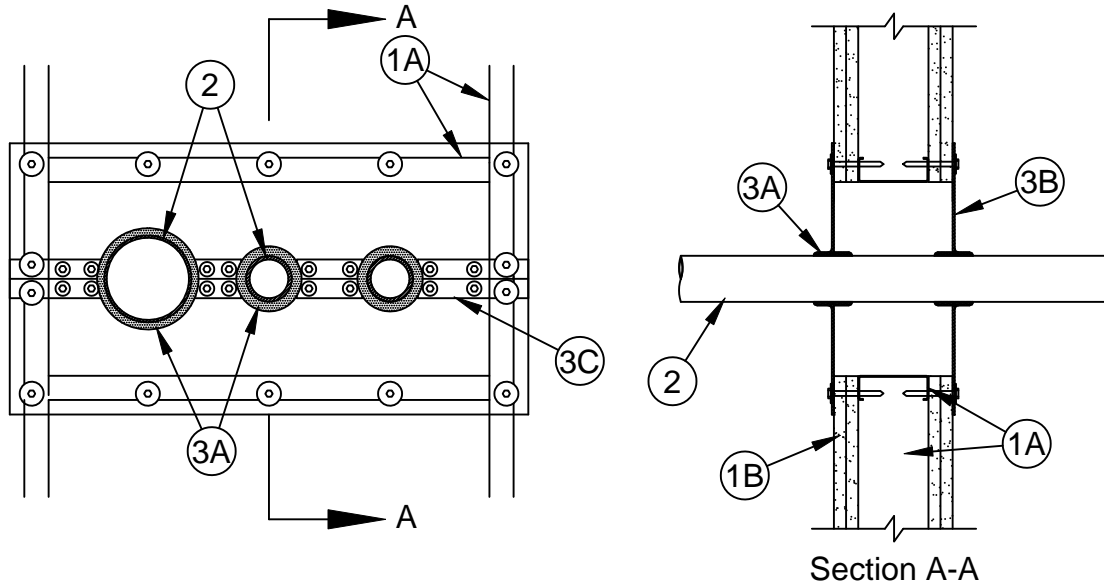




System No. W-L-1384

F Ratings - 1, 2, 3 and 4 Hr (See Item 1)

T Rating - 0 Hr



- Wall Assembly** - The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

- Steel Studs** - Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs shall be installed horizontally to form a rectangular box around the through penetrants (Item 2).
- Gypsum Board*** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max area of opening is 416 sq in. (0.27m²) with max dimension of 22-3/4 in. (578 mm) for 1, 2 and 3 hr F Ratings. Max area of opening is 228 sq in. (0.15 m²) with max dimension of 22-3/4 in. (578 mm) for 4 hr F Rating.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall in which it is installed.

- Through Penetrants** - One or more metal pipes, conduits or tubing installed within the through opening. The space between pipes, conduits or tubing shall be min 3 in. (76 mm). The space between pipes, conduits or tubing and periphery of opening shall be min 1 in. (25 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe** - Nom 12 in. (305 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - Iron Pipe** - Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
 - Copper Pipe or Tube** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe or Type L (or heavier) copper tube.
- Firestop System** - The firestop system shall consist of the following:
 - 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 band 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 each pipe or conduit 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



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- 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 slit on one side of the penetrant(s). Openings in intumescent sheet to be max 1/4 in. (6 mm) larger than diam of through penetrants. Sheets cut to lap min of 2 in. (51 mm) on the wall on all sides of the opening. Sheets to be installed on each side of wall with foil facing against wall surface and secured to framing, through gypsum board layers, with steel drywall 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 intumescent sheet (Item 3A). 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 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 intumescent 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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