



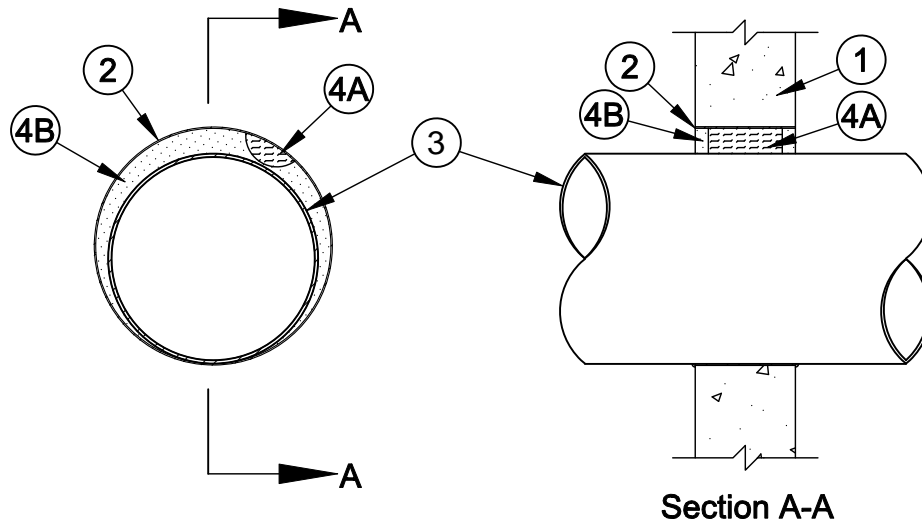
System No. W-J-1070

F Rating - 4 Hr

T Rating - 0 Hr

L Rating At Ambient - Less than 1 CFM/sq ft

L Rating At 400 F - Less than CFM/sq ft



Section A-A

1. **Wall Assembly** - Min 7-5/8 in. (194 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 diam of opening is 26 in. (660 mm). See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Steel Sleeve** - Cylindrical sleeve fabricated from min 0.031 in. (0.78 mm) thick (No. 22 MSG) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. The ends of the steel sleeve shall be installed flush with each face of the wall or extend a max 1/4 in. (6 mm) beyond each surface of the wall.
3. **Through Penetrants** - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe, conduit or tubing and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. (0 to 51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - A. **Steel Pipe** - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. **Iron Pipe** - Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.
 - C. **Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) electrical metallic tubing or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
 - D. **Copper Tubing** - Nom 6 in. (152 mm) diam (or smaller) Type M (or heavier) copper tubing.
 - E. **Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
4. **Firestop System** - The firestop system shall consist of the following:
 - A. **Packing Material** - Min 5-5/8 in. (143 mm) thickness of 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from each edge of sleeve to accommodate the required thickness of fill material.
 - B. **Fill, Void or Cavity Material* - Caulk** - Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with both ends of steel sleeve. A min 1/4 in. (6 mm) thick bead of fill material shall be applied at the point contact location on both surfaces of wall. When sleeve projects beyond surface of wall, a min 1/4 in. (6 mm) thick bead of caulk shall be applied to outer perimeter of sleeve at interface with wall surfaces.

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

*Bearing the UL Classification Mark



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Created or Revised: May 6, 2010

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