



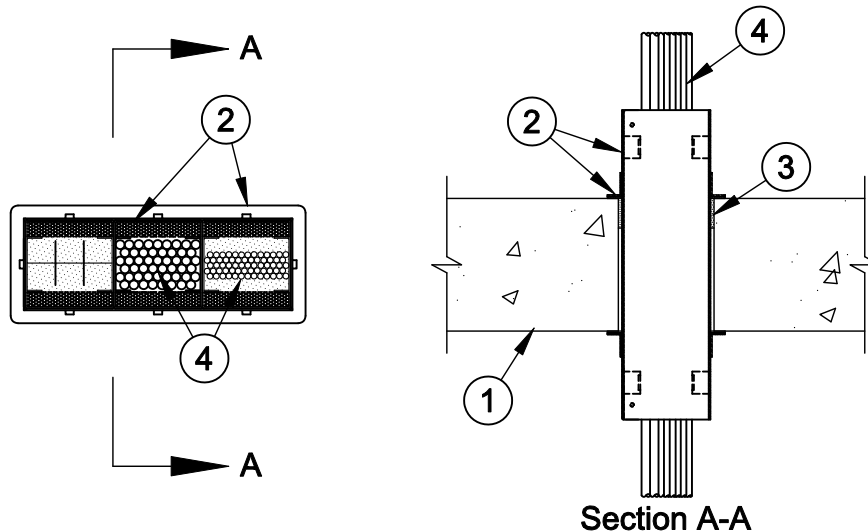
### System No. F-A-3015

F Ratings - 2 and 4 Hr (See Item 4)

T Rating - 1/2 Hr

L Rating at Ambient - Less Than 1, 1.3, 4 or 7 CFM/Device Module (See Item 4)

L Rating at 400°F - Less Than 1, 2 or 3 CFM/Device Module (See Item 4)



1. **Floor Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete floor. Opening to be min 1/4 in. (6 mm) to max 1/2 in. (13 mm) larger than width and height dimensions of firestop device module(s).
2. **Firestop Device\*** - One, two, three, four or seven firestop device modules ganged together. Each firestop device module consists of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. The space between the firestop device module(s) and the periphery of the opening shall be min 1/8 in. (3.2 mm) to max 1/4 in. (6 mm). Firestop device module(s) secured in place by means of steel restraint plates sized to accommodate either one, two, three, four or seven modules. Restraint plates provided with a closed cell silicone gasket and sized to lap approx 1/2 in. (13 mm) on floor surface. Steel restraint plates installed on both sides of floor and secured to firestop device module(s) with steel set screws. Each firestop device module is to be installed with ends projecting an equal distance beyond each surface of the floor. As an option, devices may be cast into floor assembly. When device is cast in place, the restraint plates are optional.

#### **SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 Fire Rated Pathway**

3. **Fill, Void or Cavity Material\* - Sealant or Putty** - Prior to installation of steel restraint plates, min 1 in. (25 mm) thickness of sealant or putty installed in annular space flush with top surface of floor.

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

4. **Cables** - Within the loading area for each firestop device module, the cables may represent a 0 to 100 percent visual fill. Cable fill to be distributed at a uniform height across the width of each firestop device module. Cables to be rigidly supported on both sides of the floor or wall assembly. Any combination of the following types of cables may be used:
  - A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
  - B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
  - C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
  - D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
  - E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
  - F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.



**Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876**

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- G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
- H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
- I. **Optical Fiber Raceway+** - Max 1-1/2 in. (38 mm) diam (or smaller) optical fiber raceway ("innerduct") formed of either PVC or polyvinylidene fluoride (PVDF) with optical fiber cable fill. Raceways installed in accordance with the National Electrical Code (NFPA 70).

**When Item 5A is used, the max size of cable is 200 pair for the 4 hr F Rating. Otherwise, the F Rating is 2 hr.**

**The L Rating for each empty firestop device module is less than 1 cfm at ambient and at 400F. When Item 4A is used, the L Rating for each firestop device module with 100 percent visual cable fill is 4 cfm at ambient and 3 cfm at 400F. When Item 4F is used, the L Rating for each firestop device module with 100 percent visual cable fill is 1.3 cfm at ambient and less than 1 cfm at 400F. When Item 4G or 3H is used, the L Rating for each firestop device module with 100 percent visual cable fill is 7 cfm at ambient and 2 cfm at 400F.**

+Bearing the UL Listing Mark

\*Bearing the UL Classification Mark



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