



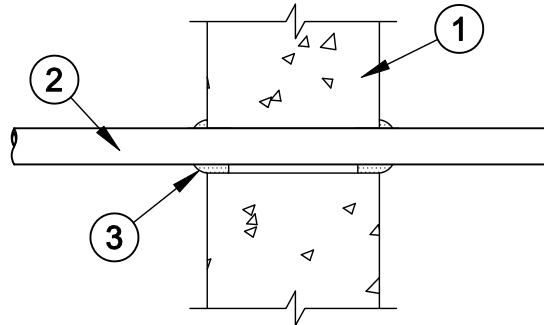
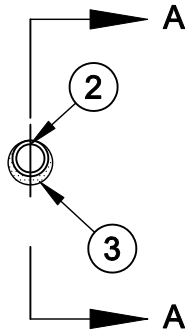
## System No. W-J-3017

F Rating - 2 Hr

T Ratings - 0, 1/2 and 2 Hr (See Items 2 and 2A)

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

L Rating At 400 F - Less Than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly** - Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max diam of opening is 2-1/2 in.  
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Cables** - One cable to be installed either concentrically or eccentrically within the firestop system. The annular space within the firestop system shall be a min 0 in. (point contact) to a max 1/4 in. Cable to be rigidly supported on both sides of the wall assembly. The following types and sizes of cables may be used:
  - A. Max 200 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) jacketing and insulation. When 200 pair No. 24 AWG telephone cable is used, T Rating is 0 hr. When 50 pair No. 24 AWG telephone cable is used, T Rating is 2 hr.
  - B. Max 3/C No. 2/0 AWG (or smaller) aluminum conductor service entrance cable with PVC insulation and jacketing. When service entrance cable is used, the T Rating is 1/2 hr.
  - C. Max 1/C 750 kcmil copper conductor power cable with cross-linked polyethylene (XLPE) insulation and jacketing. When 1/C-750 kcmil cable is used, the T Rating is 0 hr.
  - D. Max 3/C No. 8 AWG (or smaller) PVC insulated and jacketed nonmetallic sheathed (Romex) cable. When Romex is used, the T Rating is 2 hr.
  - E. Max RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing. When coaxial cable is used, the T Rating is 2 hr.
  - F. Max 62.5/125 micron fiber optic cable with PVC insulation and jacketing. When fiber optic cable is used, the T Rating is 2 hr.
  - G. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with Hylar insulation and jacketing. When data cable is used, the T Rating is 2 hr.
- 2A. **Through-Penetrating Product\*** - As an alternate to Item 2, max one through-penetrating product to be installed either concentrically or eccentrically within the firestop system. Through-penetrating product to be rigidly supported on both sides of wall assembly. The following types of Through-Penetrating Products may be used:
  - A. Max four copper conductors No. 4/0 AWG (or smaller) aluminum or steel **Armored Cable#** or **Metal-Clad Cable+**. When armored or metal-clad cable is used, the T Rating is 0 hr.  
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  - B. Two or more twisted copper conductors No. 6 AWG (or smaller) **Power Limited Circuit Cable+** with or without a jacket under a metal armor. When power limited circuit cable is used the T Rating is 1/2 hr.  
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**Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876**

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Created or Revised: January 2, 2009

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C. Two or more twisted copper conductors No. 10 AWG (or smaller) **Power Limited Fire Alarm Cable+** with or without a jacket under a metal armor. When power limited fire cable is used the T Rating is 2 hr.

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D. Two or more twisted copper conductors No. 12 AWG (or smaller) **Non Power Limited Fire Alarm Cable+** with or without a jacket under a metal armor. When non power limited fire cable is used the T Rating is 2 hr.

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3. **Fill, Void or Cavity Material\* - Sealant or Putty** - Min 5/8 in. thickness of fill material installed within annulus, flush with both surfaces of wall assembly. Additional fill material installed such that a min 1/4 in. diam crown is formed around the through-penetrant on both sides of the wall.

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

\*Bearing the UL Classification Marking

+Bearing the UL Listing Mark



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