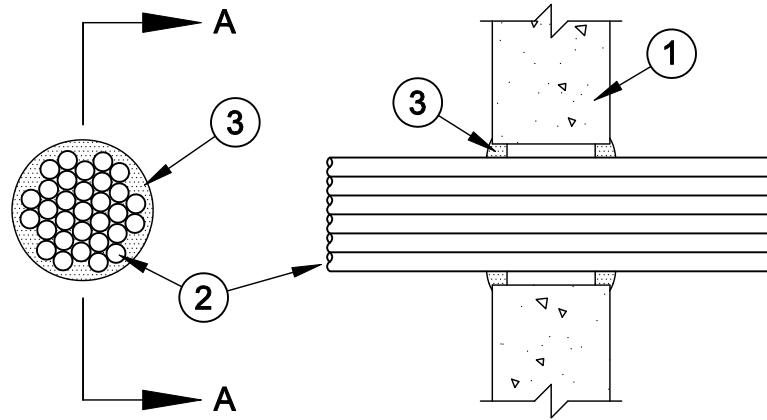




## System No. W-J-3022

F Rating - 2 Hr  
T Rating - 0 Hr



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\***. Diam of circular opening in wall to be 1/2 in. larger than diam of tight cable bundle (Item 2 or 2A ). Max diam of opening is 4-1/2 in.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Cables** - Max 4 in. diam tight bundle of cables centered in circular opening. Cables to be rigidly supported on both sides of wall assembly. Any combination of 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) insulation and jacket.
  - B. Max 1/C - 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
  - C. Max 3/C - 2/0 AWG (or smaller) copper conductor cable with a XLPE insulation and PVC jacket.
  - D. Max 3/C (with ground) No. 8 AWG nonmetallic sheathed (Romex) cable (or smaller) with copper conductor, polyvinyl chloride (PVC) insulation and jacket materials.
  - E. Max 3/C (with ground) No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket materials.
  - F. Max 4 pair No. 18 AWG (or smaller) copper conductor thermostat cable with PVC insulation and jacket materials.
  - G. Max RG/U Type 11 (or smaller) coaxial cable with fluorinated ethylene insulation and jacket materials.
  - H. Max 62.5/125 micron fiber optic cable with PVC insulation and jacket materials.

- 2A. **Through Penetrating Product\*** - As an alternate to Item 2, a max 4 in. diam tight bundle of max 4/C (with ground) No. 2/0 AWG (or smaller) aluminum or steel jacketed **Armored Cable+** or **Metal-Clad Cable+** with aluminum or copper conductors may be used. When through penetrating products are used in conjunction with the cables specified in Item 2, the through penetrating products are to be spaced min 1/2 in. from the cable bundle in Item 2. The annular space between the cable bundle and the periphery of the opening shall be min of 0 in. (point contact) to a max of 1/2 in. Cables to be rigidly supported on both sides of wall assembly.

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3. **Fill, Void or Cavity Material\* - Sealant** - Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. Fill material to be forced into interstices of cable group to max extent possible. At point contact location, apply min 1/4 in. diam bead of fill material at cable/concrete interface on both sides of wall.

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

\*Bearing the UL Classification Mark

+ Bearing the UL Listing Mark



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

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Created or Revised: January 2, 2009

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W-J-3022  
PAGE 1 OF 1