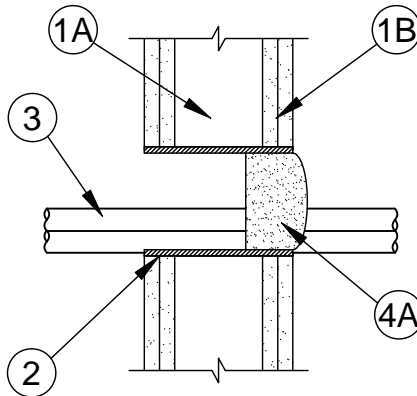




System No. W-L-3374

F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 0 and 3/4 Hr (See Item 2)
L Rating at Ambient - 16.6 CFM/sq ft
L Rating At 400 F - 16.6 CFM/sq ft



1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified if the individual U300, U400, or V400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
 - A. **Studs** - Wall framing shall consist of either wood studs or channel shaped steel studs. Wood studs to consist of 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
 - B. **Gypsum Board*** - The gypsum board type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Steel Sleeve** - Nom 2 or 4 in. (51 or 102 mm) diam Schedule 5 (or heavier) steel sleeve or nom 2 or 4 in. (51 or 102 mm) diam rigid steel conduit or electrical metallic tubing. Sleeve to be flush with wall surfaces or may extend up to 2 in. (51 mm) beyond either or both wall surfaces.

When sleeve extends beyond wall surface, the T Rating is 0 hr.
3. **Cables** - Aggregate cross-sectional area of bundled cables in opening to be max 33 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening or sleeve to be min 0 in. (point contact). Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:
 - A. Max 400 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.
 - B. Max 7/C No. 12 AWG multiconductor power and control cable with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
 - C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diameter of 1/2 in. (13 mm).
 - D. Max 3/C No. 12 AWG with bare aluminum ground, PVC insulated steel Metal-Clad cable.
 - E. Type RG 59/U coaxial cable with polyethylene (PE) insulation and PVC jacket.
 - F. Max 1/2 in. (13 mm) diam (or smaller) armored-clad fiber optic cables.
 - G. Max 4 pair No. 22 AWG (or smaller) Cat 5 or Cat 6 cable with PVC jacket and insulation.
4. **Firestop System** - The firestop system shall consist of the following:



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- A. **Fill, Void or Cavity Materials*** - Plug - Nom 2 in. (51 mm) or 4 in. (102 mm) diam plug firmly installed within the sleeve such that the outer circumference of the dome-shaped plug is flush with either surface of the wall or either end of sleeve. Plug cut to fit around the cable bundle and installed tightly within the sleeve.

SPECIFIED TECHNOLOGIES INC - SpecSeal Series FP Firestop Plug

- B. **Fill, Void or Cavity Material*** - Sealant or Putty (Optional, Not Shown) - As an option, install putty or sealant to max extent possible within grouped cable interstices. A min 1/2 in. (13 mm) bead of sealant may be applied at sleeve/wall interface on both sides of wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant, Pensil 300 Sealant, SpecSeal SIL300 Silicone Firestop Sealant, or SpecSeal Putty

*Bearing the UL Classification Mark



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