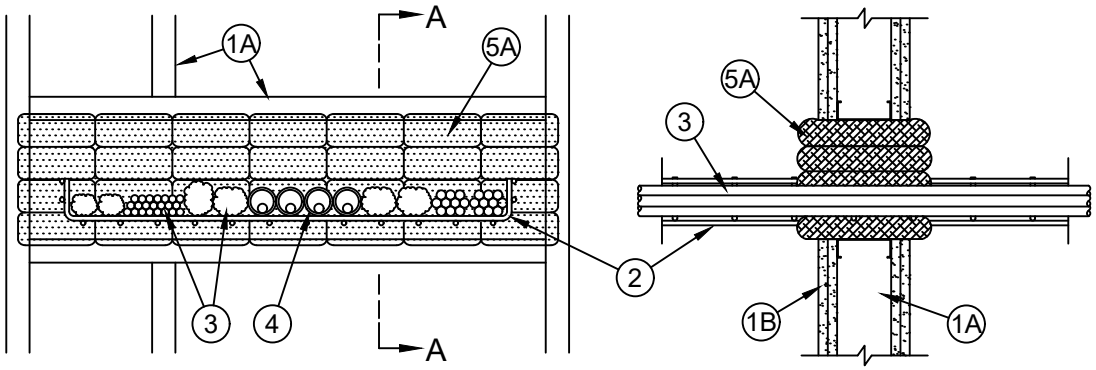
Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-4043

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 3/4, 1 and 2 Hr (See Items 3 and 4)	FT Ratings - 3/4, 1 and 2 Hr (See Items 3 and 4)
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Ratings - 3/4, 1 and 2 Hr (See Items 3 and 4)



Section A-A

1. **Wall Assembly -** The 1 or 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs -** Steel studs to be min 3-1/2 in. (89 mm) wide and spaced 24 in. (406 mm) OC. Additional horizontal studs installed to form a box around the cable tray (Item 2).
   B. **Gypsum Board* -** Thickness, type, number of layers, orientation and fasteners shall be as specified in the individual Wall and Partition Design. Max area of opening shall be 234 sq in. (1510 cm2) with a max dimension of 29-1/4 in. (743 mm).

   The F Rating of the firestop system is equal to the fire rating of the wall assembly in which it is installed.
2. **Cable Tray* -** Nom 24 in. (610 mm) wide by 2 in. (51 mm) high (or smaller) welded wire basket cable tray formed from min 0.21 in. (0.52 mm) thick (5 AWG) steel and having a max 2 by 4 in. (51 by 102 mm) grid spacing. The annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 5 in. (127 mm). Cable tray to be rigidly supported on both sides of wall assembly.
3. **Cables -** Max 2 in. (51 mm) deep cable loading within cable tray consisting of the following types and sizes of cables:
   A. Max 4 pair No. 24 AWG copper conductor cables with polyvinyl chloride (PVC) jacket and insulation.
   B. Max RG/U copper conductor coaxial cable with fluorinated ethylene jacket and insulation.
   C. Any max 4/C No. 10 AWG aluminum or copper conductor **Metal-Clad Cable+** or **Armored Cable+** with steel or aluminum jacket currently Classified under the **Through Penetrating Products** category.

   See **Through-Penetrating Products** (XHLY) category in the Fire Resistance Directory for names of manufacturers.

   When Item 3A is used, the T Rating is 1 hr. When Item 3B or 3C is used, the T Rating is 3/4 hr.
4. **Optical Fiber Raceway+ -** One or more max 2 in. (51 mm) diam (or smaller) optical fiber raceways (innerduct) formed from polyvinyl chloride (PVC) or polyvinylidene fluoride (PVDF) with fiber optic cable fill. Raceways installed in accordance with the National Electrical Code (NFPA No. 70). Raceways may be used in addition to the cable types listed in Item 3.

   See **Optical Fiber Raceway** (QAZM) category in the Electrical Construction Equipment Directory for names of manufacturers.

   When only Item 4 is used, the T Rating is equal to the hourly fire rating of the wall assembly in which it is installed.

5. **Firestop System -** The firestop system consists of the following items:

   A. **Fill, Void or Cavity Material* - Pillows -** Max 9 in. (229 mm) long by 3 in. (76 mm) thick by 6 in. (152 mm) wide plastic jacketed intumescent pillows tightly-packed lengthwise through opening such that ends project an equal distance from the approximate centerline of the wall assembly.

   SPECIFIED TECHNOLOGIES INC - SpecSeal Firestop Pillows

   B. **Fill, Void or Cavity Material* - Putty -** (Not Shown) - Min 1/2 in. (13 mm) thickness of putty applied to fill any small gaps or voids between cables or between the cables and the pillows on both sides of the wall assembly.

   SPECIFIED TECHNOLOGIES INC - SpecSeal Putty

   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

   +Bearing the UL Listing Mark