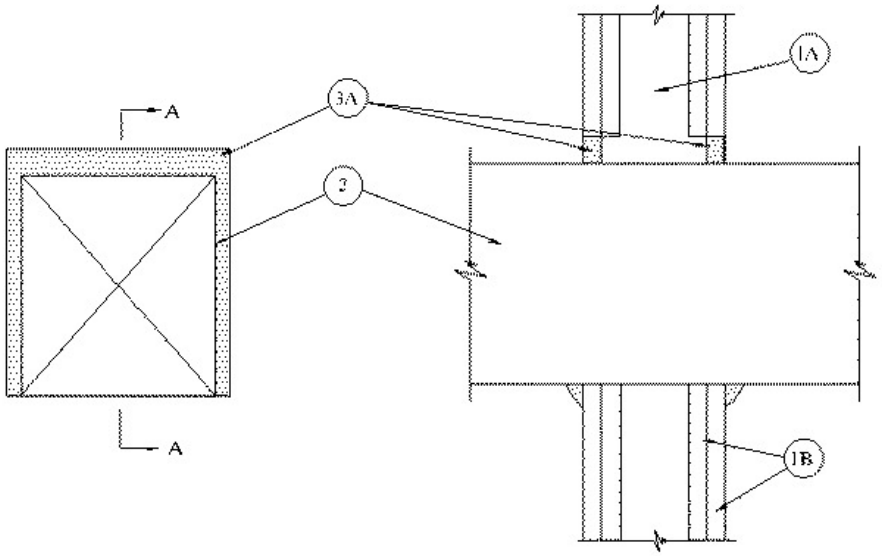
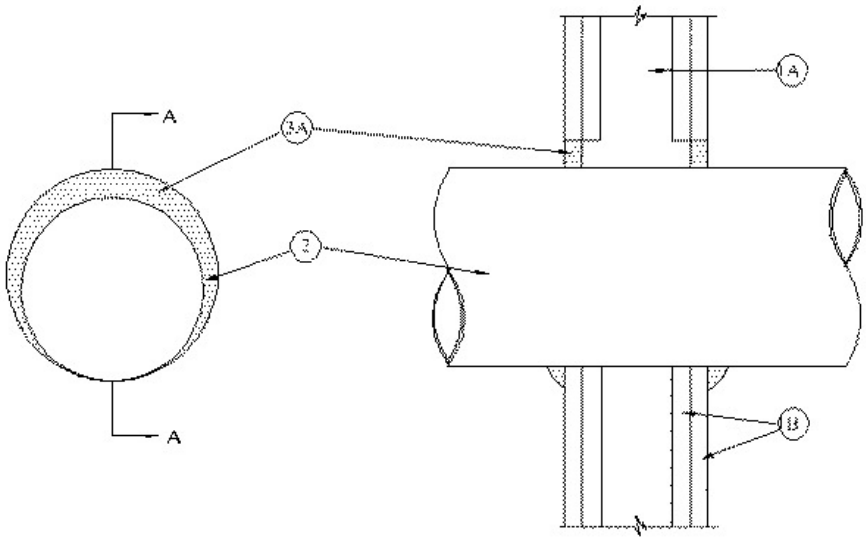
ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating —1/4 Hr	FT Rating —1/4 Hr
	FH Ratings —1 and 2 Hr (See Item 1)
	FTH Rating —1/4 Hr



SECTION A-A

CONFIGURATION A



SECTION A-A

CONFIGURATION B

Firestop Configuration A

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 in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. **Studs —** Wall framing shall consist of wood studs or steel channel studs. Wood studs to consist of nom 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 and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board* —** Min 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U300, U400, V400 or W400 Wall and Partition Design. Max area of opening is 289 in.^{2} (0.186 m^2) with a max dimension of 17 in. (431 mm). In wood stud wall assemblies, max area of opening is 156 in.^{2} (0.165 m^2) with a max dimension of 14-1/2 in. (368 mm).
The F Rating of the firestop system is equal to the fire rating of the wall assembly in which it is installed.

2. **Steel Duct —** Nom 16 by 16 in. (406 by 406 mm) (or smaller) No. 24 gauge, 1 mm (or heavier) or nom 12 by 12 in. (305 by 305 mm) (or smaller) No. 26 gauge, 0.55 mm (or heavier) steel duct to be installed either concentrically or eccentrically within the opening. The annular space shall be min 0 in. (point contact) to max 1 in. (25.4 mm). Duct to be rigidly supported on both sides of wall assembly.

3. **Firestop System —**The firestop system shall consist of the following:

A. **Fill Void or Cavity Material* — Caulk —**Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with each side of the wall. Additional 1/2 in. (13 mm) diam bead of caulk to be applied to duct/wall interface at point contact location.

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Firestop Configuration B

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 in the individual U300, U400 V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. **Studs —** Wall framing shall consist of wood studs or steel channel studs. Wood studs to consist of nom 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 and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board* —** Min 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U300, U400, V400 or W400 Wall and Partition Design. Max diam of opening is 17 in. (431 mm). In wood stud wall assemblies, max diam is 14-1/2 in. (368 mm).

The F Rating of the firestop system is equal to the fire rating of the wall assembly in which it is installed.

2. **Steel Duct —** Nom 16 in. (406 mm) diam (or smaller) No. 24 gauge, 1 mm (or heavier) or nom 12 in. (305 mm) diam (or smaller) No. 26 gauge, 0.55 mm (or heavier) steel duct to be installed either concentrically or eccentrically within the opening. The annular space shall be min 0 in. (point contact) to max 1 in. (25 mm). Duct to be rigidly supported on both sides of wall assembly.

3. **Firestop System —** The firestop system shall consist of the following:
A. **Fill Void or Cavity Material* — Caulk —** Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with each side of the wall. Additional 1/2 in. (13 mm) diam bead of caulk to be applied to duct/wall interface at point contact location.
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*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**