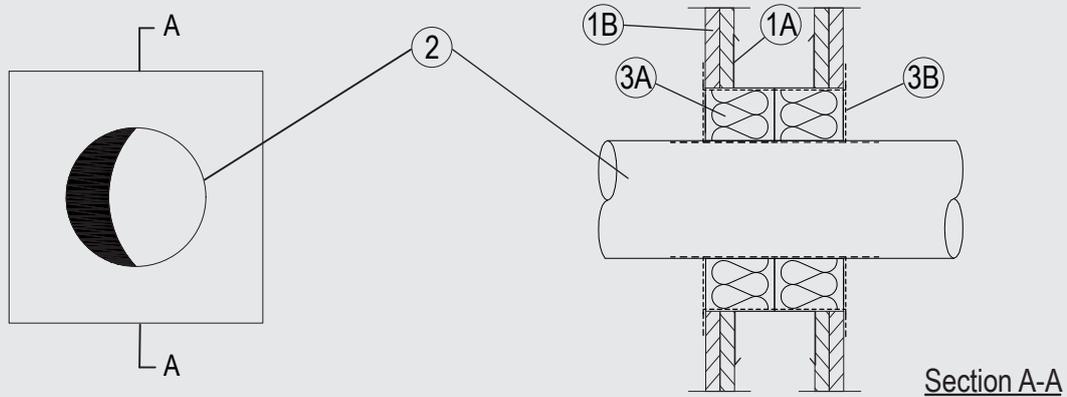


Through-penetration Firestop Systems

System No. W-L-1548

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating – 2 Hr	F Rating – 2 Hr
T Rating – 0 Hr	FT Rating – 0 Hr
	FH Rating – 2 Hr
	FTH Rating – 0 Hr



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 described 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 2-3/4 in. (70 mm) wide spaced max 24 in. (610 mm) OC. Additional studs used to completely frame the opening.
- B. Gypsum Board* – The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max size of opening to be 10-1/4 in. (259 mm) high by 10-1/4 in. (259 mm) wide.

2. Pipes

Single pipe to be installed within the opening. The annular space between the pipe and the periphery of the opening to be a nom 2 in (50 mm). Pipe to be rigidly supported on both sides of the wall assembly. The following pipes may be used:

- A. Nominal 6-1/4 in. (159 mm) diameter (or smaller) Type M (or heavier) copper tube.
- B. Nominal 6-1/4 in. (159 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe.

3. Firestop System

The Firestop System shall consist of the following:

- A. Packing Material – Nom. 2-3/8 in. (60 mm) thick mineral wool boards min. 9.3 pcf (150 kg/m³) firmly packed into the opening of the wall as a permanent form. Packing material to be installed flush with both surfaces of wall.
- B. Fill, Void or Cavity Material* – Min. 1/16 in. (2 mm) dry film thickness to be applied, coating the inside surface of the opening before installation of the packing material and over the full surface of the mineral wool boards, and overlapping onto the wall by min. 3/4 in. (20 mm) on both sides of the wall.

Flamro Brandschutz-Systeme GmbH – FLAMMOTECT-A