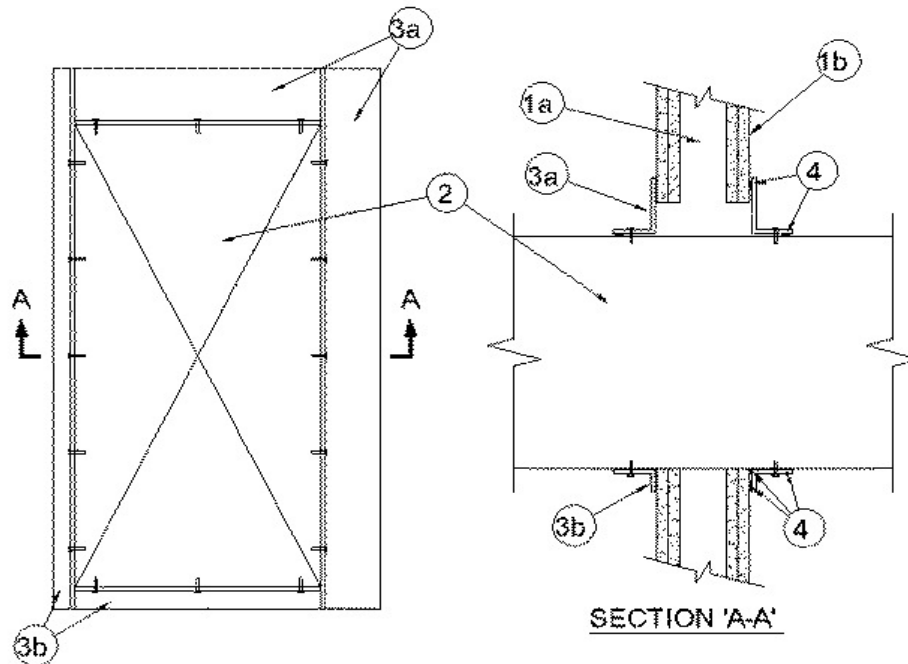


ULC System No. SP986
 (For Vertical Separations)
 F and FH Rating - 1 and 2 h (See item 1)
 FT and FTH Rating - 0 h



1. **Wall Assembly** - The 1 or 2 h fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual Wall or Partition designs in the Underwriters' Laboratories of Canada List of Equipment and Materials and shall include the following construction features:

- (a) **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nominal 50 mm by 102 mm lumber spaced 405 mm OC. Steel studs to be minimum 92 mm wide and spaced maximum 600 mm OC.
- (b) **Wallboard, Gypsum** - Nominal 16 mm thick, 1220 mm wide, with square or tapered edges. The gypsum wallboard type, number of layers, fastener type and sheet orientation shall be as specified in the individual wall or partition design. Maximum size of opening is 1016 mm by 508 mm.

The hourly F and FH ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Duct** - Maximum 457 mm by 965 mm galvanized steel duct, 0.71 mm in thickness. Maximum separation of 51 mm between duct and periphery of opening. Duct to be rigidly supported on both sides of the wall.

3. **Steel Angle** -

- (a). Nominal 75 mm by 50 mm by 1.5 mm steel angle installed on the two faces of the duct separated from drywall using sheet metal screws between the 50 mm leg of the angle and the duct, installed a maximum of 110 mm OC.
- (b). Nominal 50 mm by 25 mm by 1.5 mm steel angle installed on the two faces of the duct in contact with the drywall, using sheet metal screws between the 50 mm leg of the angle and the duct, installed a maximum of 110 mm OC.

4. **Firestop System Components** - (Guide No. 40 U19.13) - Type **A/D FIREBARRIER Silicone Sealant** installed with 6.4 mm bead on each leg of steel angle and compressed between angle and duct and angle and drywall. Additional 6.4 mm bead of sealant installed as crown bead between duct and wall at point of contact.