System No. W-L-2034C

F Rating – 1 Hr

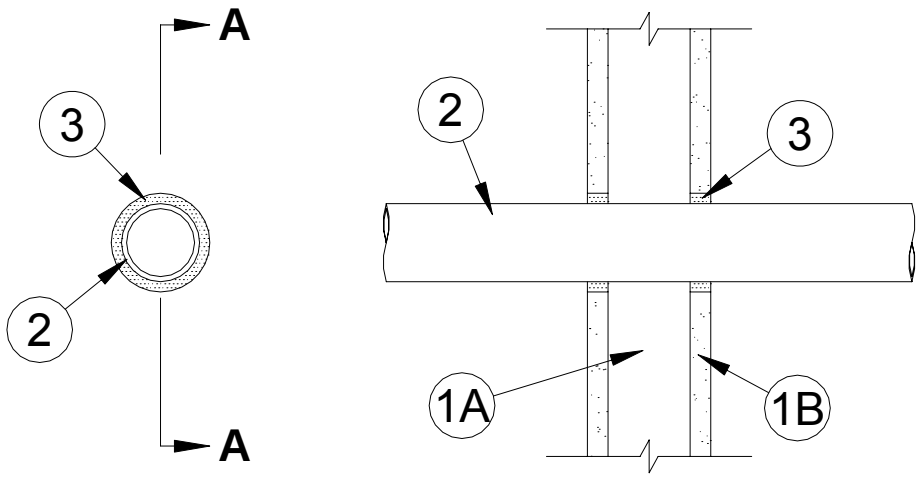
FT Rating – 1 Hr

FH Rating – 1 Hr

FTH Rating – 1 Hr

L Rating At Ambient – Less Than 1 CFM / Sq. Ft.

L Rating At 400°F – 3 CFM / Sq. Ft.



Section A-A

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side. System No. W-L-2034C meets Canadian building code requirements for drain, waste and vent (DWV) pipe penetrations.

1. **Wall Assembly** - The 1 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory 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 nom 51 by 102 mm lumber spaced 406 mm OC. Steel studs to be min 64 mm wide and spaced max 610 mm OC.

   B. **Gypsum Board*** - Min 16 mm thick. Type, number of layers and fasteners to be as specified in the individual Wall and Partition Design. Diam of opening to be 13 to 25 mm larger than OD of through penetrant (Item 2).

2. **Through Penetrant** – One nonmetallic pipe or conduit installed concentrically or eccentrically within the firestop system. Annular space between penetrant and edge of opening to be min 6 mm to max 13 mm. Penetrant to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipe or conduit may be used:

   A. **Polyvinyl Chloride (PVC) Pipe** — Nom 51 mm inside diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe‡** — Nom 51 mm diam (or smaller) SDR11 or SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

C. **Rigid Nonmetallic Conduit+** — Nom 51 mm inside diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA 70).

3. **Fill, Void or Cavity Material* — Caulk** - Min 16 mm thickness of fill material applied within annulus, flush with each surface of wall assembly.

NUCO INC. - ●Self Seal GG-266

* Bearing the UL Classification Mark

‡ The through-penetrant is not to be stressed beyond the permissible bending deflection for the intended operating temperature as established by the pipe manufacturer.

• In addition to the standardized environmental exposures, Self Seal GG-266 was also exposed to supplemental environmental exposures of an Industrial Atmosphere (CO_2/SO_2) and Combination Wet, Freeze and Dry Cycling.