

System No. W-L-2025



F Rating - 1 Hr

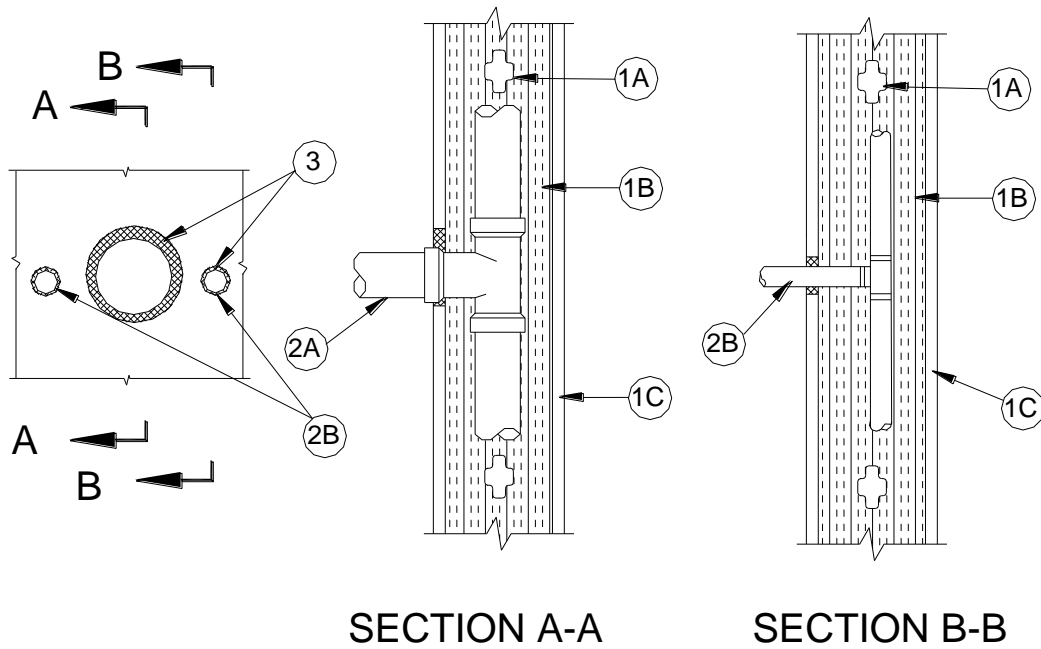
FT Rating - 1 Hr

FH Rating - 1 Hr

FTH Rating - 1 Hr

L Rating At Ambient – Less Than 5.1 L/s/m²

L Rating At 250°C – 15.2 L/s/m²



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-2025 meets Canadian building code requirements for drain, waste and vent (DWV) pipe penetrations.

1. **Wall Assembly** - The fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs 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 (2 by 4 in.) lumber spaced 406 mm (16 in.) OC. Steel studs to be min 92 mm (3-5/8 in.) wide and spaced max 610 mm (24 in.) OC.
 - B. **Insulation*** - R13 (or higher) glass fiber or mineral fiber batt insulation friction fitted into stud cavity.

- C. **Gypsum Board*** - One layer of nom 16 mm (5/8 in.) thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of openings shall be 76 mm (3 in.).
2. **Penetrants** – One nonmetallic pipe or tube per opening, for use in closed (process or supply) or vented (drain, waste or vent) piping systems, installed within stud cavity and connected to tee. Pipe, tee or tube penetrating wall on one side to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe, tee or tube and the edge of the opening shall be min 6 mm (1/4 in.) to max 10 mm (3/8 in.). The following types and sizes of nonmetallic pipes or tubes may be used:
- A. **Polyvinyl Chloride (PVC) Pipe** - Nom 51 mm (2 in.) diam (or smaller) Schedule 40 solid core PVC pipe with PVC tee.
- A1. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 38 mm (1-1/2 in.) diam (or smaller) Schedule 40 solid core ABS pipe with ABS tee.
- A2. **Polyvinyl Chloride-XFR (PVC-XFR) Pipe** — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 solid core PVC-XFR pipe with PVC-XFR tee.
- A3. **Polyvinyl Chloride-HRS (PVC-HRS-2550) Pipe** — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 PVC-HRS pipe with PVC-HRS-2550 tee.
- B. **Crosslinked Polyethylene (PEX) Tubing‡** - Nom 19 mm (3/4 in.) diam (or smaller) SDR 9 PEX tubing with brass, copper or polysulfone tees.
- B1. **Polyethylene/Aluminum/Polyethylene (PE/AL/PE) Tubing‡** - Nom 19 mm (3/4 in.) diam (or smaller) PE/AL/PE tubing with brass or copper tees.
- B2. **Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX/AL/PEX) Tubing‡** - Nom 19 mm (3/4 in.) diam (or smaller) SDR 9 PEX tubing with brass or copper tees.
3. **Fill, Void or Cavity Material* - Caulk** - Min 16 mm (5/8 in.) thickness of fill material applied within the annulus, flush with surface of wall.

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 (CO₂/SO₂) and Combination Wet, Freeze and Dry Cycling.