

System No. W-L-2360

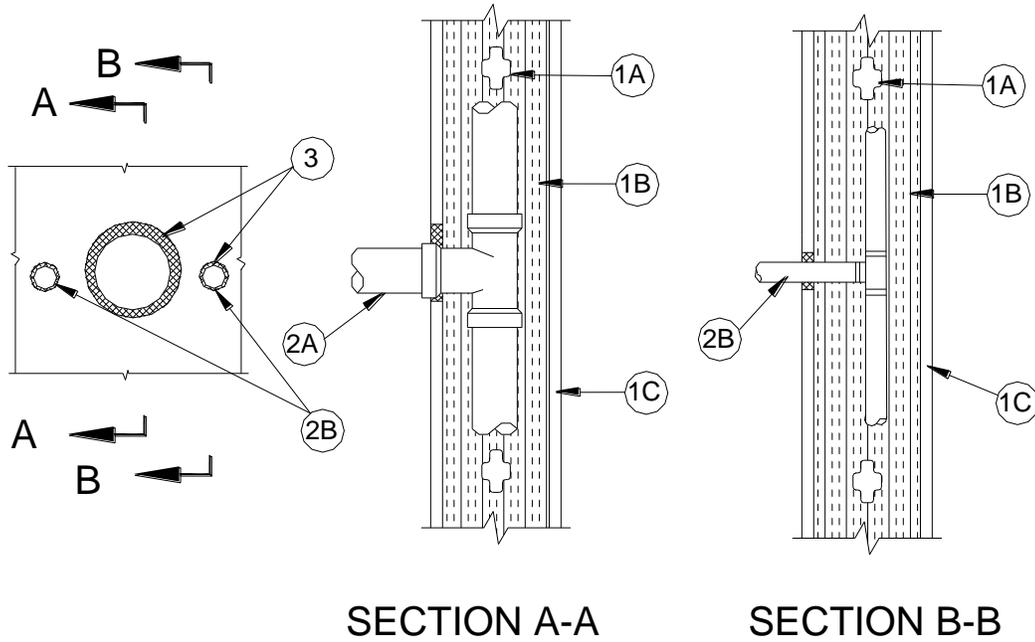


F Rating - 1 Hr

T Rating - 1 Hr

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

L Rating At 400°F – 3 CFM / Sq. Ft.



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 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) 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 5/8 in. (16 mm) thick gypsum board, as specified in the individual Wall and Partition Design. Max diam of openings shall be 5/8 in. (16 mm) larger than the outside diameter of the penetrants. Openings to be separated a min of 4 in. (102 mm).
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 1/4 in. (6 mm) to max 3/8 in. (10 mm). The following types and sizes of nonmetallic pipes or tubes may be used:

- A. **Polyvinyl Chloride (PVC) Pipe** - Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe with PVC tee.
 - A1. **Acrylonitrile Butadiene Styrene (ABS) Pipe** Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core ABS pipe with ABS tee.
 - A2. **Polyvinyl Chloride-XFR (PVC 15-50 XFR) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC-XFR pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - A3. **Polyvinyl Chloride-HRS (PVC-HRS-2550) Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC-HRS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - B. **Crosslinked Polyethylene (PEX) Tubing‡** - Nom 3/4 in. (19 mm) diam (or smaller) SDR 9 PEX tubing with brass, copper or polysulfone tees.
 - B1. **Polyethylene/Aluminum/Polyethylene (PE/AL/PE) Tubing‡** - Nom 3/4 in. (19 mm) diam (or smaller) PE/AL/PE tubing with brass or copper tees.
 - B2. **Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX/AL/PEX) Tubing‡** - Nom 3/4 in. (19 mm) diam (or smaller) SDR 9 PEX tubing with brass or copper tees.
3. **Fill, Void or Cavity Material* - Caulk** - Min 5/8 in. (16 mm) 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.