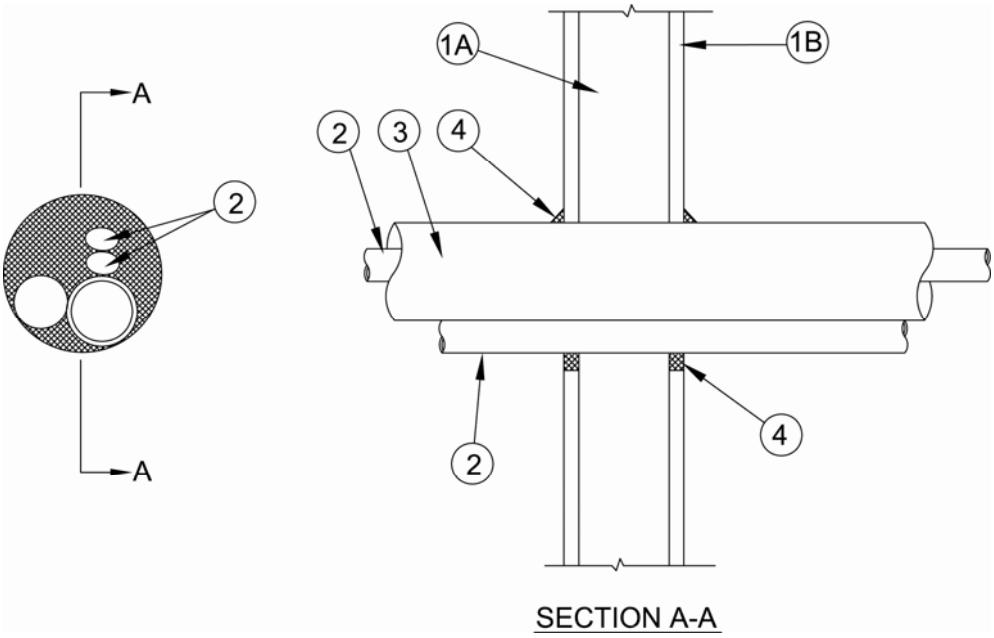
System No. W-L-8070

F Rating - 1 Hr

T Rating - 1/2 Hr



SECTION A-A

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 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 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

   B. **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 opening shall be 4 in. (102 mm).

2. **Through Penetrants** - Pipes, conduits, tubing or cables to be bundled within the opening. A min 1/2 in. (13 mm) annular space shall be maintained between uninsulated metallic pipes and cable. The space between penetrants and periphery of opening shall be min 0 in. (0 mm, point contact) to a max 1 in. (25 mm). Penetrants to be rigidly supported on both sides of wall assembly. The following types and sizes of penetrants may be used:

   A. **Metallic Pipes** - The following types and sizes of metallic pipes, conduits or tubing may be used:

      A1. **Steel Pipe** - Nom 1 in. (25 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.

      A2. **Copper Tubing** - Nom 1 in. (25 mm) diam (or smaller) Type M (or heavier) copper tubing.

      A3. **Copper Pipe** - Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.

   B. **Cables** - Max two No. 16 AWG (or smaller) thermostat wire with XLPE or PVC jacket.

The basic Standards used to evaluate this Firestop System are ANSI/UL 1479 (ASTM E814) and CAN/ULC-S115

3. **Tube Insulation-Plastics+** - Max 3/4 in. (19 mm) thick acrylonitrile butadiene / polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Uninsulated penetrants and cables may be installed in contact with tube insulation. All pipes, conduits or tubing larger than nom 1/2 in. (13 mm) diam shall be provided with tube insulation.

   See **Plastics** (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. **Fill, Void or Cavity Material* - Caulk** — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall.

   NUCO INC. — ●Self Seal GG-266

* Bearing the UL Classification Mark
+ Bearing the UL Recognized Component Mark

• **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.**