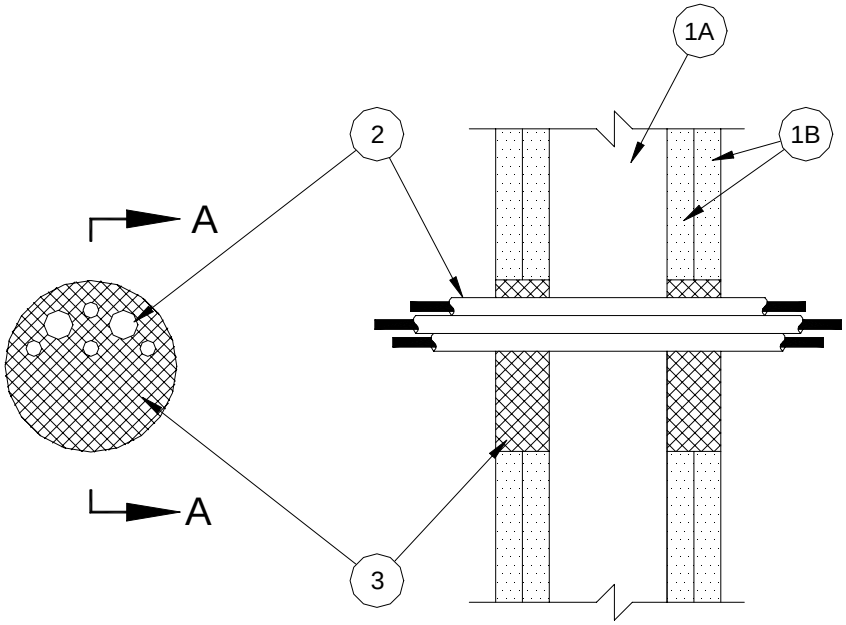
System No. W-L-3067

F Ratings - 1 and 2 Hr (See Items 1 and 3)

T Ratings - 0 and 1/2 Hr (See Item 1)

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

L Rating At 400°F – 3 CFM / Sq. Ft.



SECTION A-A

1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum wallboard/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 lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC.

   B. **Wallboard, Gypsum*** - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 4 in.

   The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 hr for 1 hr rated assemblies and 1/2 hr for 2 hr rated assemblies.

2. **Cables** - Aggregate cross-sectional area of cables in opening to be max 37 percent of the aggregate cross-sectional area of the opening. Annular space between cables and edge of opening shall be min 0 in. (point contact) to max 2-1/2 in. Separation between cables shall be min 1/8 in. Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of copper or aluminum conductor cables may be used:

   A. Max 100 pair No. 24 AWG cables with polyvinyl chloride (PVC) insulation and jacket.

B. Max 3/C No. 2 AWG polyvinyl chloride (PVC) jacketed aluminum clad cable with cross-linked polyethylene (XLPE) insulation.

C. Max 2/C No. 14 AWG polyvinyl chloride (PVC) jacketed aluminum clad cable with cross-linked polyethylene (XLPE) insulation.

D. Fire Resistive Cables* - Min 16 AWG single conductor or multi conductor Type MI cable. A min 1/8 in. separation between MI cables and any other type of cable shall be maintained.

3. **Fill, Void or Cavity Material* - Sealant** - Min thickness of 5/8 in. and 1-1/4 in. of sealant for 1 and 2 hr rated wall assemblies, respectively, applied within the annulus between cables and between cables and periphery of opening, flush with both surfaces of wall assembly. At the point contact location between cables and gypsum wallboard, a min 1/2 in. diam bead of sealant shall be applied at the cable/wallboard interface on both surfaces of wall assembly.

NUCO INC. - Self Seal GG-200

* Bearing the UL Classification Mark