

# System No. W-L-3083

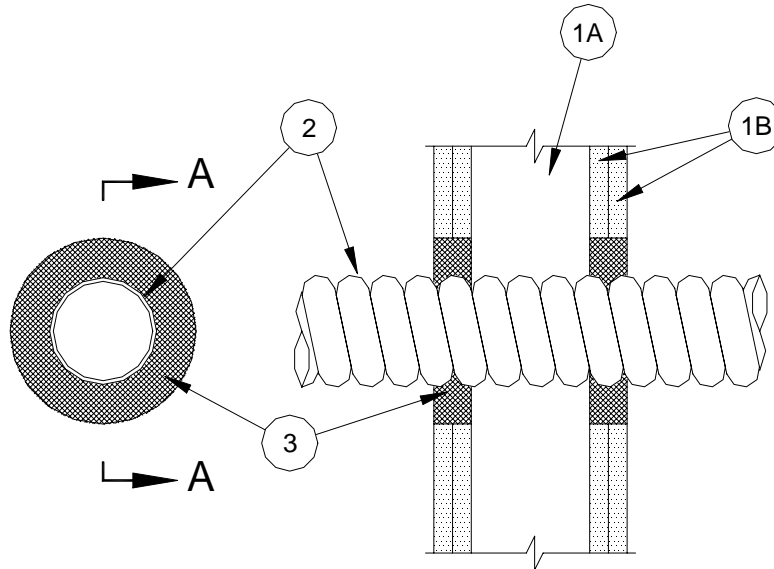


F Ratings - 1 and 2 Hr (See Items 1 and 3)

T Rating - 0 Hr

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 2 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.**

2. **Through-Penetrating Product\*** - Max one through-penetrating product installed concentrically or eccentrically within opening. The annular space between through-penetrating product and periphery of opening is min 1/4 in. to max 3/4 in. Through-penetrating product to be rigidly supported on both sides of wall assembly. The following types of through-penetrating products may be used:
  - A. Max four copper conductors No. 2/0 AWG (or smaller) aluminum or steel **Armored Cable+** or **Metal-Clad Cable+**.

**AFC CABLE SYSTEMS INC.**

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

- B. Two or more twisted copper conductor No. 6 AWG (or smaller) **Power Limited Circuit Cable+** with or without a jacket under a metal armor.

**AFC CABLE SYSTEMS INC.**

- C. Two or more twisted copper conductor No. 10 AWG (or smaller) **Power Limited Fire Alarm Cable+** with or without a jacket under a metal armor.

**AFC CABLE SYSTEMS INC.**

- D. Two or more twisted copper conductor No. 12 AWG (or smaller) **Non Power Limited Fire Alarm Cable+** with or without a jacket under a metal armor.

**AFC CABLE SYSTEMS INC.**

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, flush with both surfaces of wall.

**NUCO INC.** - Self Seal GG-200

\* Bearing the UL Classification Mark

+ Bearing the UL Listing Mark