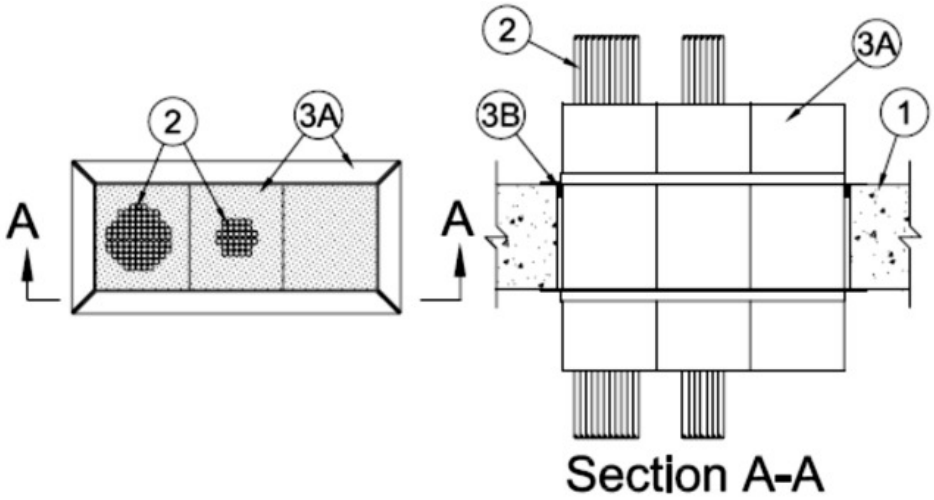
F Ratings — 2 and 3 Hr (See Item 1)
T Ratings — 0 and 1 Hr (See Item 1)
L Rating At Ambient — Less Than 1 and 2.8 CFM/Device (See Item 2)
L Rating At 400 F — Less Than 1 and 1.6 CFM/Device (See Item 2)



Section A-A

1. **Floor or Wall Assembly —** Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 20-1/8 in.^{2} (130 cm^2) with a max dimension of 7-5/8 in. (194 mm) for square devices. Max diam opening is 2-1/2 in. (64 mm) for 2 in. (51 mm) round devices. When thickness of floor or wall assembly is less than 4-1/2 in. (114 mm), F Rating is 2 hr and T rating is 0 hr.

See **Concrete Blocks** (CAZT) category in Fire Resistance Directory for names of manufacturers.

2. **Cables —** Within the loading area of each firestop device module the cables may represent a 0 to 100 percent visual fill. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of cables may be used:

A. Max 4 pair No. 24 AWG copper conductor Cat5e or Cat 6 telephone cable with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 4 pair No. 23 AWG copper conductor Cat 6 telephone cable with PVC insulation and jacket materials.
L Rating is less than 1 CFM/Device for a single cable or a blank at ambient and at 400 F. The L Rating is 2.8 CFM/Device and 1.6 CFM/Device at ambient and at400 F, respectively, for all other percentages of fill.

3. **Firestop System —** The firestop system shall consist of the following:

A. **Firestop Device* —** A max of three square firestop devices may be ganged together. As an alternate, one round device may be centered within a round opening. Each device consists of a nom 2-1/2 by 2-1/2 by 10 in. (64 by 64 by 254 mm) or a nom 2 in. (51 mm) diam by 10 in. (254 mm) powder coated steel transit incorporating internal intumescent material, foam plugs and mounting flanges. Firestop device to be centered within opening and installed with ends projecting an equal distance beyond each surface of the floor or wall assembly in accordance with the accompanying installation instructions. The annular space between the firestop device(s) and the periphery of the opening shall be nom 1/4 in. (6 mm). Firestop devices secured in place by means of fill material (Item 4B) and steel split mounting flanges sized to accommodate the firestop device. Steel split mounting flanges installed on both sides of floor or wall after installation of fill material and secured to together with supplied steel set screws. Nom 1-1/2 in. (38 mm) thick pre-cut foam plugs sized to accommodate the cable bundle and installed flush with each end of device on both sides of floor or wall assembly. When cables are installed at a 100% visual fill, the plug may be trimmed to fit the interstices of the cables and the perimeter of the device.
RECTORSEAL — Metacaulk® 2-1/2" square Pass Through Device, Metacaulk® 2" round Pass Through Device

B. **Fill, Void or Cavity Materials* - Caulk or Putty —** Min 1/8 in. (25 mm) thickness of caulk or min 1-1/2 in. thickness of putty applied within the annulus, flush with top surface of floor or with both surfaces of wall prior to the installation of the mounting flanges. An additional bead of caulk shall be placed between ganged devices on both sides of floor or wall when multiple devices are used.
RECTORSEAL — Metacaulk1000 or Metacaulk Fire Rated Putty

*,+ Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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