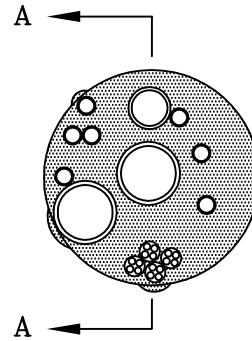


SECTION A-A



2B. Up to seven max. 4 in. diameter steel pipe, iron pipe, copper pipe or tubing, steel conduit or EMT. Only three penetrants may have a diameter greater than 1 in.

Annular space – Min. 0 in. (point of contact) to max. 1-1/2 in. between penetrants and edge of opening. Min. 1/2 in. to max. 1-5/8 in. between pipe penetrants and min. 1 in. between cable bundle and pipe penetrants.

1. Wall assembly

1A. Min. 6 in. wide LW or NW concrete or block wall capable of up to a 2 hr. rating. Max. 10 in. diameter penetrant opening.

2. Penetrant

2A. One or more of the following may be used, max. 3 in. diameter bundle:

- I. Max. 7/C No. 12 AWG copper conductor cable with PVC or XLPE insulation and jacket.
- II. Max. 400 pair No. 24 AWG PVC insulated and jacketed copper cable.
- III. Max. 4/C No. 14 AWG (or smaller) steel or aluminum armored or metal clad cables.
- IV. Max. RG59/U coaxial cable with polyethylene (PE) insulation and PVC jacket.
- V. Max. RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacket.

3. Firestopping – FlameSafe® FS 900+ Series Sealant.

3A. Optional – backer rod or insulation compressed into annular space and recessed 5/8 in. from wall surface (both sides).

3B. Apply FS 900+ into annular space and between cables to a depth of 5/8 in. and finish flush with wall surface (both sides). Add a 1/2 in. bead of sealant at any point of contact.

**NOTES**

- 1. This system drawing is provided to aid in the installation and selection of the UL listed design. The user shall refer back to the UL listed design for complete information required for submittal and approval purposes.
- 2. System design evaluated to the UL 1479 (ASTM E814) Fire Tests of Through-Penetration Firestops.
- 3. Please refer to the UL Fire Resistance Directory for components requiring UL classification.

**Flamesafe® Firestopping Products**

Firestop Assembly	Project:
Product: FlameSafe FS 900+ Series Sealant	Installer:
F Rating: 2 HOUR	Approval:
UL System: WJ8038	Date:
RS Dwg # WJ8038	Rev.# 000

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