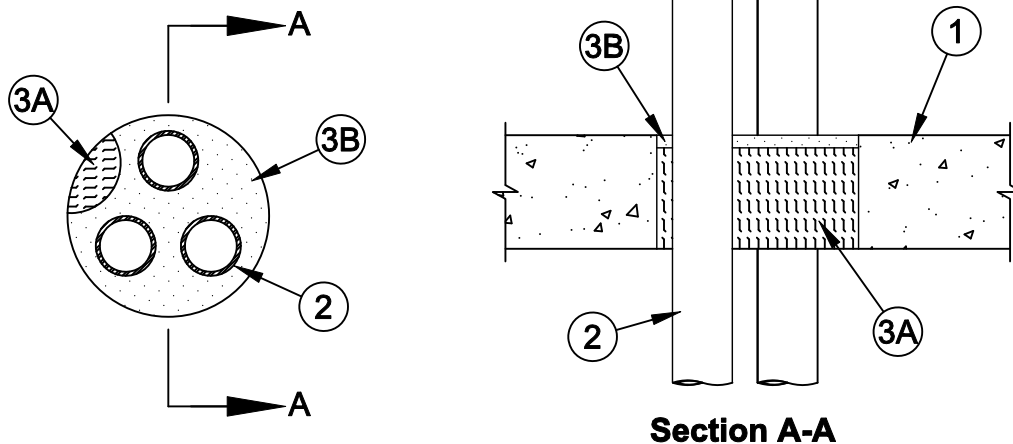


System No. C-AJ-1048



F Rating - 3 Hr
 T Rating - 1/2 Hr
 L Rating At Ambient - Less Than 1 CFM/sq ft
 L Rating At 400 F - Less Than 1 CFM/sq ft
 W Rating - Class 1 (See Item 3B)



Section A-A

1. **Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or min 5 in. (127 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 8 in. (203 mm).
 See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Through Penetrants** - Three metallic pipes, conduits or tubing to be installed within the opening. The space between pipes, conduits or tubing shall be nom 1 in. (25 mm). The space between pipes, conduits or tubing and periphery of opening shall be min 5/8 in. (16 mm) to max 2-5/8 in. (67 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - A. **Steel Pipe** - Nom 2 in. (51 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - B. **Conduit** - Nom 2 in. (51 mm) diam (or smaller) steel electrical metallic tubing or rigid steel conduit.
 - C. **Iron Pipe** - Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
3. **Firestop System** - The firestop system shall consist of the following:
 - A. **Packing Material** - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - B. **Fill, Void or Cavity Material* - Caulk** - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

MOMENTIVE PERFORMANCE MATERIALS - Pensil 100 Caulk for floors and walls.

SPECIFIED TECHNOLOGIES INC - Pensil 100 Sealant for floors and wall, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for floors and walls and Pensil 300 S/L Sealant or SpecSeal Series SIL300SL Sealant for floors only.

W Rating applies only when Pensil 300, Pensil 300 S/L, SpecSeal Series SIL300 or SpecSeal Series SIL300SL Sealants are used.

*Bearing the UL Classification Mark

FOR CANADIAN APPLICATIONS:
 When evaluated in accordance with ULC-S115, this system has the following ratings:

System No.	Rating Hr.			
	F	FT	FH	FTH
C-AJ-1048	3	1/2	3	1/2

For more information, please see the XHHW7.R14288 section in the UL Fire Resistance Directory entitled Fill, Void or Cavity Materials Certified for Canada.



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