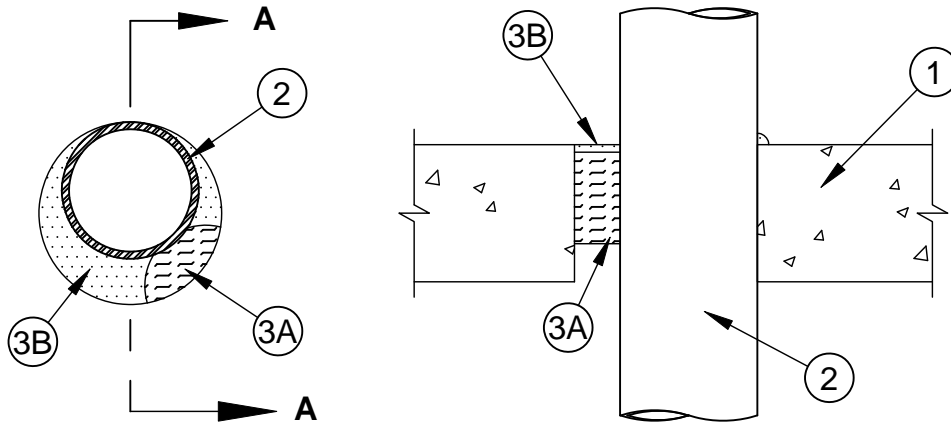


System No. C-AJ-1214

F Ratings 1 2 and 3 Hr (See Item 3B)
T Rating 1 0 Hr

L Rating At Ambient 1 Less Than 1 CFM/sq ft
L Rating At 400 F 1 Less Than 1 CFM/sq ft



Section A-A

1. **Floor or Wall Assembly 1** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 6 in. (152 mm).
See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.
2. **Through Penetrant 1** One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipes or conduits and periphery of opening shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipe or conduit may be used:
 - A. **Steel Pipe 1** Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. **Iron Pipe 1** Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - C. **Conduit 1** Nom 4 in. (102 mm) diam (or smaller) electrical metallic tubing, nom 4 in. (102 mm) diam (or smaller) steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
3. **Firestop System 1** The Firestop system shall consist of the following:
 - A. **Packing Material 1** 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. When floor is constructed of hollow-core precast concrete unit, packing material to be recessed from both surfaces of floor to accommodate the required thickness of fill material. The thickness of the packing material is dependent upon the F Rating of the firestop system and the thickness of fill material (Item 3B) as tabulated in Item 3B.
 - B. **Fill, Void or Cavity Material* 1 Sealant 1** Fill material applied within the annulus, flush with top surface of concrete floor or with both surfaces of wall. When floor is constructed of hollow-core precast concrete unit, fill material to be installed symmetrically on both sides of floor, flush with floor surfaces. At the point contact location between penetrating item and concrete, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the concrete/penetrating item interface on the top surface of floor and on both surfaces of wall or hollow-core precast concrete unit. The thickness of fill material is dependent upon the F Rating of the firestop system and the thickness of the packing material as tabulated below:

F Rating Hr	Min Packing Matl, In. (mm)	Min Fill Mtl Thkns, In. (mm)
2	3 (76)	1/4 (6)
3	1-1/2 (38)	1 (25)

SPECIFIED TECHNOLOGIES INC - SpecSeal LC 150 Sealant, SpecSeal LE600 Sealant

*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-1214	3	3	3	3

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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C-AJ-1214
PAGE 1 OF 1