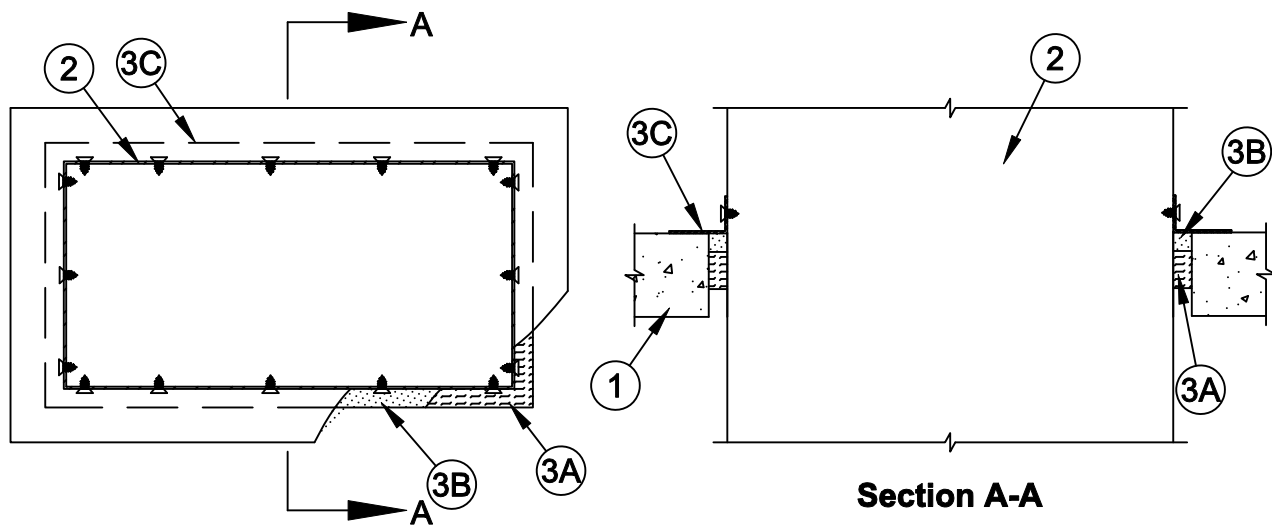


**System No. C-AJ-7027**



|                                             |                                             |
|---------------------------------------------|---------------------------------------------|
| ANSI/UL1479 (ASTM E814)                     | CAN/ULC S115                                |
| F Ratings - 2 and 3 Hr (See Item 3B)        | F Ratings - 2 and 3 Hr (See Item 3B)        |
| T Rating - 0 Hr                             | FT Rating - 0 Hr                            |
| L Rating At Ambient - Less Than 1 CFM/sq ft | FH Ratings - 2 and 3 Hr (See Item 3B)       |
| L Rating At 400 F - Less Than 1 CFM/sq ft   | FTH Rating - 0 Hr                           |
| W Rating - Class 1 (See Item 3B)            | L Rating At Ambient - Less Than 1 CFM/sq ft |
|                                             | L Rating At 400 F - Less Than 1 CFM/sq ft   |



- Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max area of opening is 2560 in.<sup>2</sup> (1.65 m<sup>3</sup>) with max dimension of 64 in. (1.6 m).  
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Steel Duct** - Max 60 by 36 in. (1524 by 914 mm) steel duct. Steel gauge of duct shall conform with SMACNA requirements. One duct to be installed within the firestop system. The annular space shall be min 0 in. (point contact) to max 2 in. (51 mm) Steel duct to be rigidly supported on both sides of floor or wall assembly.
- Firestop System** - The firestop system shall consist of the following:
  - Packing Material** - Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor and from both surfaces of wall to accommodate the required thickness of fill material.



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B. **Fill, Void or Cavity Material\* - Sealant** - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor and both surfaces of wall. At point contact location between steel duct and concrete floor or wall, apply min 3/8 in. (10 mm) diam bead at steel duct/concrete interface on top surface of floor or both surfaces of wall.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal Series SSS Sealant, SpecSeal LCI Sealant, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for floors or walls and Pensil 300SL Sealant or SpecSeal Series SIL300SL Sealant for floors only.

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

**F Rating is 2 Hr when Pensil 300 Silicone Sealant or Pensil 300SL Silicone Sealant is used. F Rating is 3 Hr when all other sealants are used.**

C. **Retaining Angles** - Min 16 GA galv steel angles sized to lap duct a min of 2 in. (51 mm) and lap periphery of opening a min of 1 in. (25 mm). Angles attached to all four sides of steel duct on top surface of floor or on both surfaces of wall with No. 10 (or larger) steel sheet metal screws spaced 1 in. (25 mm) from each end and max 4 in. (102 mm) OC.

\* 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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