Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-714

Effective Date: February 1, 2015
Re-evaluation Date: June 2017

Product Name: SL-17 Aluminum and FRP Glazed Outswing Hinged Doors, Impact Resistant

Manufacturer: Special-Lite, Inc.
88448 County Road 668
Decatur, MI 49045
(800) 821-6531

General Description:

System	Description	Design Pressure Rating
1	6'-8' x 7'-8" Glazed Aluminum and FRP Double Door, Outswing (XX)	+65.0 / -65.0 psf

Product Dimensions – Overall Size:

System	Overall Size	Fixed/Operable Panel Sizes	Glazed Panel Size
1	80" x 92"	37 3/4" x 89 1/16"	22" x 32"

Hardware:

- **Exit device**: Von Duprin 9957 vertical rod exit device. Exit push bar located 40" from the sill with latches at the head, sill and on the mullion. Secure strike plates at the head and the sill with three #10-24 screws. Secure strike plates on the mullion with two #10-24 screws.
- **Continuous hinge**: Continuous hinge by Select Product secured to the door leaf and the frame with #10-24 flat head screws located 1" and 3" from the each end and spaced approximately 12" on center.
- **Removable mullion**: Removable mullion 4954 by Von Duprin. The mullion is 2" x 3" x 1/4" thick steel tube. Secure the top cast bracket to the head with three 1/4" x 1 5/8" screws and the rough opening sill with a cast bottom bracket secured with two 1/4" x 1 1/2" flat head screws.
- **Threshold:** Zero threshold #568 secured to a 1/2" x 6" wide aluminum shim. Secure the sill with 1/4" x 2" long screws spaced 4" from each end and approximately 12" on center.

Product Identification (Manufacturer Produced Label on Door):

System		
1	Manufacturer	Special-Lite
	Product Name	SL-17 Outswing Double Door Doors without Side lites
	Test Standards	TAS 201-94;TAS 202-94; TAS 203-94

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	The doors satisfy TDI's windborne debris protection criteria in the Inland I and Seaward zone. Install the doors at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or less than those specified are acceptable within the limitations specified in this report.

Installation:

System		
1	Type of Installation	New or Replacement Construction
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Prepare and install the assembly in accordance with the Installation Instructions- Heavy Wall Applied Stop Tube Frame and Door Installations (Special-Lite, sheets 1 through 8, dated June 2013)

Impact Resistance:

Substrate	Fastener	Minimum Embedment	Minimum Edge Distance
Wood	3/16" x 2" Pan Head Screw (Side Jambs)	1 1/2"	1/2"
	3/8" x 4" Lag Bolt (Head)	3"	1"
Concrete	3/16" Powers Tapper	1 3/4"	4"
Steel	#12 TEKS screws	Full Engagement	1/2"

Note: Keep the manufacturer's installation instructions available on the job site during installation. All fasteners shall be corrosion resistant as specified in the IRC, IBC, and the Texas Revisions.