TDI | Texas Department of Insurance

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Product Evaluation

DR978 | 0319

Engineering Services Program

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-978

Effective Date: March 1, 2019
Re-evaluation Date: October 2022

Product Name: 9500 Thermally Broken Aluminum Bottom Load Bi-Fold Doors, Frame Installation, Non-Impact Resistant

Manufacturer: Western Window Systems
2200 E. Riverview Drive
Phoenix, AZ 85034
(877) 268-1300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	9500 Thermally Broken Aluminum Bottom Load Bi-Fold Doors; XXXX; 1L3R	PG25 141 x 96 - SP	+25 / -25 psf

Product Dimensions:

System	Overall Size	Panel Size	Panel Glass Daylight Opening Size
1	141-1/2" x 95-1/2"	34-5/8" x 92-7/8"	28-5/8" x 85-7/8"

Hardware:

- **Pivot Set:** H950S; Two (2) sets required; Located on Pane A and D; Each set consists of a top pivot and bottom pivot; Each pivot is secured to the hinge stile with two (2) No. 6 x 1" PTH screws.

- **Mid Pivot:** H930.1S; Two required; Located on Panel A and D; Each pivot is secured to the hinge stile with two (2) No. 6 x 1" PTH screws.

- **Offset Hinges:** H937S; Four (4) required; One (1) attaches Panel B to Panel C. Three (3) attach Panel C to Panel D; Each hinge has three leafs; the two leafs at each end are secured with two (2) No. 10 x 5/8" PFH screws; the center leaf is secured with three (3) No. 10 x 5/8" PTH screws.

- **Intermediate Carrier Set:** H953S; One (1) set (top carrier and bottom carrier) required; Join Panel B to Panel C; Each carrier has three leaf hinges; the two leafs at each end are secured with two (2) No. 10 x 5/8" PFH screws; the center leaf is secured with three (3) No. 10 x 5/8" PFH screws.

- **Inactive Locking Assembly:** Hoppe H903; Two (2) required; Located on the Panel B and Panel D lock stile; Secured with No. 8 x 1-1/4" PFH screws.

- **Active Locking Assembly:** Hoppe H903; One (1) required; Located on the Panel A lock stile; Secured with No. 8 x 1-1/4" PFH screws.

- **Active Lock Strike Plate:** One (1) required; Locate on astragal of Panel B; secured with two (2) No. 8 x 1-1/4" PFH screws.

Sill: Extruded aluminum sill; 2.51" height

Product Identification (Certification Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WWD-1
	Product Name	9500 Folding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

The wall framing must be minimum Spruce-Pine-Fir dimension lumber. The assembly must be secured to the wall framing using the frame with minimum No. 10 x 2-1/2" PFH screws. Along the side jambs, locate the fasteners approximately 6" from each end and 22" on center. Along the sill, located the fasteners approximately 12" from each end and at the midspan. Along the head, located the fasteners approximately 9" from each end and 24" on center. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

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