

Product Evaluation

DR977 | 0522

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-977

Effective Date: May 1, 2022

Re-evaluation Date: October 2022

Product Name: Series 7950 Thermally Broken Aluminum Folding Door, 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	Series 7950 TB Aluminum Bi-Fold Door; XXXX; 1L3R	LC-PG50 (144 x 96)-SP	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	144" x 96"	35.19" x 92.47"	30.09" x 87.36"

Components and Hardware:

- **Pivot Set:** Two (2) sets required; Each set consists of a top pivot, center pivot, and bottom pivot; Each pivot is secured to the hinge stile with four (4) No. 10 x 5/8" PFH screws
- **Offset Hinges:** 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" PFH screws.
- **Intermediate Carrier Set:** 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.
- **5-Point Lockset:** One (1) required; Hoppe; Located on the Panel A stile; The latch and deadbolt engage a strike plate; Each tongue throw engages a strike plate
- **Latch and Deadbolt Strike Plate:** One (1) required; Locate on astragal of Panel B; secured with three (3) No. 10 x 5/8" PFH screws.
- **Tongue Throw Strike Plate:** Two (2) required; located on astragal of Panel B; secured with two (2) No. 10 x 5/8" PFH screws.
- **Shoot Bolts:** Located on Panel B astragal and Panel D left stile; One at top and one at bottom; Each engages a channel located in the head and the sill.

Product Identification (Certification Label on Door):

System		
1	Certification agency	AAMA
	Manufacturer's name or code name	WWD-1
	Product name	7950 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.

Installation:

The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the frame. The jambs are secured to the wall framing with minimum No. 10 x 2-1/2" PFH screws. Locate the fasteners approximately 6" from each end and 28" on center. The sill is secured to the wall framing with minimum No. 10 x 2-1/2" PFH screws. Located the fasteners approximately 4", 8", 12", and 16" from each end and 16" on center. The head is secured to the wall framing with minimum 1/4 x 3" lag bolts. Located the fasteners approximately 4", 8", 12", and 16" from each end and 16" 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 and the IBC.