

## Product Evaluation

DR861 | 0821

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-861

**Effective Date:** August 1, 2021

**Re-evaluation Date:** July 2024

**Product Name:** Series 8750 Glazed Vinyl, Thermally Broken, Outswing Side Hinged French Doors w/ Series 8710 Sidelites, Impact Resistant

**Manufacturer:** Custom Window Systems, Inc.  
1900 SW 44<sup>th</sup> Avenue  
Ocala, FL 34474  
(352) 368-6922

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8750 Vinyl Side Hinged French Doors w/ Series 8710 Sidelites; OXXO	SHD-C70 (151 x 81) Missile Level D	+70 / -70 psf
2	Series 8750 Vinyl Side Hinged French Doors w/ Series 8710 Sidelites; OXXO	SHD-C70 (151 x 97) Missile Level D	+70 / -70 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	151-3/8" x 81"	37-5/8" x 79-3/16"	Door: 26-5/8" x 68-3/16" Sidelite: 22-5/8" x 67-7/8"
2	151-3/8" x 97"	37-5/8" x 95-3/16"	Door: 26-5/8" x 84-3/16" Sidelite: 22-5/8" x 83-7/8"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-2	Hoppe Adjustable Hinges	4 (System 1) 5 (System 2)	Install hardware in accordance with drawing No. TDI-641, dated November 13, 2015. Revision B dated June 7, 2021. Signed and sealed by Lucas A. Turner, P.E. on June 8, 2021.
	Paddock Mortise Lock w/ Delany Deadbolt <b>Or</b> Paddock 4-point Locking System	1 each	
	Flush Bolt (used w/Mortise Lock)	2	
	Lock Strike plates	1 each	

**Product Identification (Certification Label on Door):**

System		
1-2	Certification agency	Keystone
	Manufacturer's name or code name	CAR#138-769/ CAR#138-284 (System 1) CAR# 138-768/ CAR#138-283 (System 2)
	Product name	8750 TB Al/PVC Imp OS French Door w/ 8710 Sidelite (Structural) 8750 TB Al/PVC Imp OS Fr Door w/ 8710 Sidelite (Impact)
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-02,05; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies 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 smaller than those specified are acceptable with the limitations specified in this report.

**Installation:**

System	
1-2	Type of installation
	Wall framing
	Fasteners
	Fastener location/spacing
	Fastener penetration
Install in accordance with drawing No. TDI-641, dated November 13, 2015. Revision B dated June 7, 2021. Signed and sealed by Lucas A. Turner, P.E. on June 8, 2021.	

**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.