

Product Evaluation

DR833 | 0621

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-833

Effective Date: June 1, 2021

Re-evaluation Date: June 2025

Product Name: 418S Glazed Steel Double Side Hinged Outswing Door, Impact Resistant

Manufacturer: DeanSteel Manufacturing Company, Inc.
931 S. Flores Street
San Antonio, TX 78204
(800) 825-8271

General Description:

System	Description	Design Pressure Rating
1	418S Glazed Steel Double Side Hinged Outswing Door; XX	+50 / -50 psf Missile Level D

Product Dimensions:

System	Overall Size	Panel Size	Panel Daylight Size
1	100" x 98"	47-3/4" x 95-1/2"	35" x 39"

Components and Hardware:

System	Component	Qty	Attachment Method
1	4.5" x 4.5" Full Mortise SS Hinges	4/slab	Install hardware in accordance with DeanSteel drawing No. 95085; dated January 22, 2021; signed, sealed, and dated April 15, 2021 by Mark T. White P.E.
	Rim Exit Device Stanley Apex 2100 w/S300 Standard Keeper	1/slab	
	Butterfly Anchor	12	
	Interlock Strike Hooks	1/slab	
	Handle Set Stanley 4900 Precision Series Trim	1 set/slab	

Product Identification: (Manufacturer label)

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	DeanSteel
	Product Name	Steel Outswing Doors with Stanley Hardware
	Test Standards	ASTM E330-14; ASTM E1886-05; ASTM E1996-09; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-6	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. On essential facilities as defined in the IBC, the doors may not be installed at a height of less than 30 feet on the structure.

Installation:

System		
1-6	Type of installation	Install the doors in accordance with DeanSteel drawing No. 95085; dated January 22, 2021; signed, sealed, and dated April 15, 2021 by Mark T. White P.E.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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.