

Product Evaluation

DR842 | 0221

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-842

Effective Date: February 1, 2021

Re-evaluation Date: February 2025

Product Name: Steel Flush Outswing Side Hinged Double Doors with Detex Hardware, 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	Steel Flush OS Double Door; 18 Ga (XX)	+50 / - 50 psf
2	Steel Flush OS Double Door; 16 Ga (XX)	+60 / -60 psf
3	Steel Flush OS Double Door; 18 Ga (XX)	+50 / -40 psf
4	Steel Flush OS Double Door; 16 Ga (XX)	+60 / -55 psf
5	Steel Flush OS Double Door; 18 Ga (XX)	+60 / - 50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size
1-4	96" x 96"	47-3/4" x 95-1/2"
5	84" x 84"	41-3/4" x 83-1/8"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-2	Five Knuckle Hinge Hager Series BB1168	4	Install hardware in accordance with DeanSteel drawing No. DMC002, dated December 22, 2015. Revision A dated October 22, 2020. Signed and sealed by Hermes f. Norero, P.E. on January 18, 2021.
	V40 Rim Panic Exit Device	1	
	H90R Removable Mullion Detex Pin 106076-2	1	
3-4	Five Knuckle Hinge Hager Series BB1168	4	
	V50 Rim Panic Exit Device SVR (2 point)	1	
5	Five Knuckle Hinge Hager Series BB1168	3	
	V50 Rim Panic Exit Device SVR (2 point)	1	

Product Identification (Manufacturer Label on Door):

System		
1-5	Manufacturer's name or code name	DeanSteel
	Product name	Steel Door with Detex Hardware
	Test standards	ASTM E330-14/E1886-13a/E1996-17 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-5	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 within the limitations specified in this report.

Installation:

System		
1-5	Type of installation	Install in accordance with DeanSteel drawing No. DMC002, dated December 22, 2015. Revision A dated October 22, 2020. Signed and sealed by Hermes f. Norero, P.E. on January 18, 2021.
	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.