

Product Evaluation

DR1068 | 1220

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-1068

Effective Date: December 1, 2020

Re-evaluation Date: December 2024

Product Name: Glazed Iron Side Hinged Doors, Inswing, Singles and Doubles, with or without Sidelites and Transoms, Non-Impact Resistant

Manufacturer: Complex Industries
5768 Distribution Dr.
Memphis, TN 38141
(901) 547-1198

General Description:

System	Description	Label Rating	Drawing Number
1	3'-6" x 8'-0" Single Door; X	+55 / -60 psf	TX-4943
2	3'-6" x 8'-0" Single Door w/ Sidelite; OX, XO	+55 / -60 psf	TX-4943
3	3'-6" x 8'-0" Single Door w/ Sidelites; OXO	+55 / -60 psf	TX-4943
4	3'-6" x 8'-0" Single Door w/ Transom; O/X	+55 / -60 psf	TX-4944
5	3'-6" x 8'-0" Single Door w/ Sidelite & Transom; OO/OX, OO/XO	+55 / -60 psf	TX-4944
6	3'-6" x 8'-0" Single Door w/ Sidelites & Transom; OOO/OXO	+55 / -60 psf	TX-4944
7	6'-0" x 8'-0" Double Door; XX	+55 / -60 psf	TX-4945
8	6'-0" x 8'-0" Double Door w/ Sidelites; OXXO	+55 / -60 psf	TX-4945
9	6'-0" x 8'-0" Double Door w/ Transom; O/XX	+55 / -60 psf	TX-4946

General Description (Continued):

System	Description	Label Rating	Drawing Number
10	6'-0" x 8'-0" Double Door w/ Sidelites & Transom; OOO/OXXO	+55 / -60 psf	TX-4946

Product Dimensions:

System	Overall Size	Operable Panel Size	Maximum Panel Daylight Opening Size
1	44" x 98"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44"
2	82" x 98"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44" Sidelite: 33-3/4" x 46-3/4"
3	120" x 98"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44" Sidelite: 33-3/4" x 46-3/4"
4	44" x 136"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44" Transom: 45" x 33-3/4"
5	82" x 136"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44" Sidelite: 33-3/4" x 46-3/4" Transom: 45" x 33-3/4"
6	120" x 136"	40-3/4" x 94-3/8"	Door: 36-1/8" x 44" Sidelite: 33-3/4" x 46-3/4" Transom: 45" x 33-3/4"
7	74" x 96-1/2"	35-1/4" x 94-1/4"	Door: 30-3/4" x 44"
8	150" x 96-1/2"	35-1/4" x 94-1/4"	Door: 30-3/4" x 44" Sidelite: 33-3/4" x 46"
9	74" x 134-1/2"	35-1/4" x 94-1/4"	Door: 30-3/4" x 44" Transom: 69-3/4" x 33-3/4"
10	150" x 134-1/2"	35-1/4" x 94-1/4"	Door: 30-3/4" x 44" Sidelite: 33-3/4" x 46" Transom: 74-1/2" x 33-3/4"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-10	Hinges	2	Install hardware in accordance with Complex Industries drawings No. TX-4943, TX-4944, TX-4945, and TX-4946, dated August 26, 2019. Revision 1 dated July 2, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on July 2, 2020.
	Knob: Schlage F51 Deadbolt: Schlage B60N OR Knob: Kwikset Signature Series Deadbolt: Kwikset Signature Series (980)	1 each	
	Latch and Deadbolt strike plate	1 each	

Product Identification (Manufacturer Label on Door):

System		
1-3	Manufacturer's name	Complex Industries
	Product name	Glazed Iron Sie Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Single & Single w/ Sidelite(s)
	Test standards	ASTM E330-14
4-6	Manufacturer's name	Complex Industries
	Product name	Glazed Iron Sie Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Single w/ Sidelite(s) & Transom
	Test standards	ASTM E330-14
7-8	Manufacturer's name	Complex Industries
	Product name	Glazed Iron Sie Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Double & Double w/ Sidelites
	Test standards	ASTM E330-14
9-10	Manufacturer's name	Complex Industries
	Product name	Glazed Iron Sie Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Double & Double w/ Sidelites & Transom
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-10	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified is acceptable within the limitations of this report.

Installation:

System		
1-10	Type of installation	Install in accordance with Complex Industries drawings No. TX-4943, TX-4944, TX-4945, and TX-4946, dated August 26, 2019. Revision 1 dated July 2, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on July 2, 2020.
	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.