

## Product Evaluation

DR735 | 0121

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-735

**Effective Date:** January 1, 2021

**Re-evaluation Date:** January 2025

**Product Name:** 6'-8" and 8'-0" Opaque Steel Side Hinged Doors, Inswing and Outswing, Single and Doubles, with or without Sidelites, Impact Resistant

**Manufacturer:** Taylor Entrance Systems  
631 N. First Street  
West Branch, MI 48661  
(989) 345-5110

### General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Single Door; X	+60 / -60 psf	TX-4508
2	3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion; OX, XO	+60 / -60 psf	TX-4508
3	3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXO	+60 / -60 psf	TX-4508
4	6'-0" x 6'-8" Double Door; XX	+60 / -60 psf	TX-4509
5	6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXXO	+60 / -60 psf	TX-4509
6	3'-0" x 8'-0" Single Door; X	+50 / -50 psf	TX-4510
7	3'-0" x 8'-0" Single Door w/ Boxed Sidelite & Combination Reinforced Mullion; OX, XO	+50 / -50 psf	TX-4510

**General Description:**

System	Description	Label Rating	Drawing Number
8	3'-0" x 8'-0" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXO	+50 / -50 psf	TX-4510
9	6'-0" x 8'-0" Double Door; XX	+50 / -50 psf	TX-4511
10	6'-0" x 8'-0" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXXO	+50 / -50 psf	TX-4511

**Product Dimensions:**

System	Maximum Overall Size	Operable Panel Size	Sidelite Panel Daylight Opening Size
1	37-1/2" x 82"	35-3/4" x 79-1/4"	N/A
2	76-1/4 x 82"	35-3/4" x 79-1/4"	20-1/2" x 62-5/8"
3	115" x 82"	35-3/4" x 79-1/4"	20-1/2" x 62-5/8"
4	74" x 82"	35-3/4" x 79-1/4"	N/A
5	151-1/2" x 82"	35-3/4" x 79-1/4"	20-1/2" x 62-5/8"
6	37-1/2" x 98"	35-3/4" x 95-1/4"	N/A
7	76-1/4" x 98"	35-3/4" x 95-1/4"	20-1/2" x 78-1/2"
8	115" x 98"	35-3/4" x 95-1/4"	20-1/2" x 78-1/2"
9	74" x 98"	35-3/4" x 95-1/4"	N/A
10	151-1/2" x 98"	35-3/4" x 95-1/4"	20-1/2" x 78-1/2"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-10	Hinges	3 (6'8" doors) 4 (8'0" doors)	Install hardware in accordance with Taylor Entrance Systems drawings No. TX-4508, TX-4509, TX-4510, and TX-4511, dated November 3, 2014. Revision 1 dated August 18, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on August 19, 2020.
	Knob: Yale New Traditions Deadbolt: Yale New traditions (800 Series) <b>OR</b> Knob/Lever: Schlage F Series Deadbolt: Schlage B60/62	1 each	
	Latch and Deadbolt strike plates	1 each	
	Astragal strike plate (Systems 4-5, 9-10)	1	

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

System		
1-10	Manufacturer's name	Taylor Entrance Systems
	Product name	Opaque Steel Side Hinged Doors, Inswing/Outswing, Singles & Doubles w/ or w/out Sidelites, Impact Resistant
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-10	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 of this report.

**Installation:**

System		
1-10	Type of installation	Install in accordance with Taylor Entrance Systems drawings No. TX-4508 through TX-4511, dated November 3, 2014. Revision 1 dated August 18, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on August 19, 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.