



# Product Evaluation

DR737 | 1115

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-737

**Effective Date:** November 1, 2015

**Re-evaluation Date:** November 2019

**Product Name:** 6'-8" and 8'-0" Glazed Steel Entry Doors, Inswing and Outswing, Singles and Doubles, with and without Sidelites, Impact Resistant

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

**General Description:**

System	Description	Design Pressure Rating	Drawing Number
1	6'-8" Glazed Steel Single Door; Inswing/Outswing; (X)	Inswing +50/-55 psf Outswing +50/-55 psf	TX-4504
2	6'-8" Glazed Steel Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX / XO)	Inswing +50/-55 psf Outswing +50/-55 psf	TX-4504
3	6'-8" Glazed Steel Single Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXO)	Inswing +50/-55 psf Outswing +50/-55 psf	TX-4504
4	6'-8" Glazed Steel Double Door; Inswing/Outswing; (XX)	Inswing +50/-55 psf Outswing +50/-55 psf	TX-4505
5	6'-8" Glazed Steel Double Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXXO)	Inswing +50/-55 psf Outswing +50/-55 psf	TX-4505

**General Description (continued):**

System	Description	Design Pressure Rating	Drawing Number
6	8'-0" Glazed Steel Single Door; Inswing/Outswing; (X)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4506
7	8'-0" Glazed Steel Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX / XO)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4506
8	8'-0" Glazed Steel Single Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXO)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4506
9	8'-0" Glazed Steel Double Door; Inswing/Outswing; (XX)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4507
10	8'-0" Glazed Steel Double Door w/ Boxed Sidelites & Combination Reinforced Mullions, Inswing/Outswing; (OXXO)	Inswing +50/-50 psf Outswing +50/-50 psf	TX-4507

**Product Dimensions – Doors:**

System	Overall Size	Panel Size	Daylight Opening Size
1	Inswing 37.5" x 82" Outswing: 37.5" x 80.5"	Door: 35.75" x 79.25"	Door: 20.5" x 62.625"
2	Inswing 76.25" x 82" Outswing: 76.25" x 80.5"	Door: 35.75" x 79.25" Sidelite: 35.75" x 79.25"	Door: 20.5" x 62.625" Sidelite: 20.5" x 62.625"
3	Inswing 115" x 82" Outswing: 115" x 80.5"	Door: 35.75" x 79.25" Sidelite: 35.75" x 79.25"	Door: 20.5" x 62.625" Sidelite: 20.5" x 62.625"
4	Inswing 74" x 82" Outswing: 74" x 80.5"	Door: 35.75" x 79.25"	Door: 20.5" x 62.625"
5	Inswing 151.5" x 82" Outswing: 151.5" x 80.5"	Door: 35.75" x 79.25" Sidelite: 35.75" x 79.25"	Door: 20.5" x 62.625" Sidelite: 20.5" x 62.625"
6	Inswing 37.5" x 98" Outswing: 37.5" x 96.5"	Door: 35.75" x 95.25"	Door: 20.5" x 78.5"
7	Inswing 76.25" x 98" Outswing: 76.25" x 96.5"	Door: 35.75" x 95.25" Sidelite: 35.75" x 95.25"	Door: 20.5" x 78.5" Sidelite: 20.5" x 78.5"
8	Inswing 115" x 98" Outswing: 115" x 96.5"	Door: 35.75" x 95.25" Sidelite: 35.75" x 95.25"	Door: 20.5" x 78.5" Sidelite: 20.5" x 78.5"
9	Inswing 74" x 98" Outswing: 74" x 96.5"	Door: 35.75" x 95.25"	Door: 20.5" x 78.5"
10	Inswing 151.5" x 98" Outswing: 151.5" x 96.5"	Door: 35.75" x 95.25" Sidelite: 35.75" x 95.25"	Door: 20.5" x 78.5" Sidelite: 20.5" x 78.5"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-10	4" Butt Hinges	3 (6'-0" doors) 4 (8'-0" doors)	Hardware shall be installed in accordance with Taylor Building Products drawings TX-4504, TX-4505, TX-4506 & TX-4507, dated November 3, 2014, signed and sealed by Lyndon F. Schmidt, P.E. on November 12, 2014.
	Yale New Tradition Series Knob & Deadbolt (800 Series) or Schlage "F" Series Knob (F51) & "B" Series Deadbolt (B60/62)	1 each	

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

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3' -0" x 6'-8" Glazed Steel Single Door, Inswing/Outswing
	Drawing	TX-4504
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3'-0" x 6'-8" Glazed Steel Single Door w/ Sidelite & Combination Reinforced Mullion, Inswing/Outswing
	Drawing	TX-4504
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3'-0" x 6' -8" Glazed Steel Single Door w/ Sidelites & Combination Reinforced Mullions, Inswing/Outswing
	Drawing	TX-4504
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	6' -0" x 6' -8" Glazed Steel Double Door, Inswing/Outswing
	Drawing	TX-4505
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	6' -0" x 6' -8" Glazed Steel Double Door w/ Sidelites & Combination Reinforced Mullions, Inswing/Outswing
	Drawing	TX-4505
	Test Standards	ASTM E 330-02, E 1886-05/1996-06

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

System		
6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3'-0" x 8'-0" Glazed Steel Single Door, Inswing/Outswing
	Drawing	TX-4506
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3'-0" x 8'-0" Glazed Steel Single Door w/ Sidelite & Combination Reinforced Mullion, Inswing/Outswing
	Drawing	TX-4506
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	3'-0" x 8'-0" Glazed Steel Single Door w/ Sidelites & Combination Reinforced Mullions, Inswing/Outswing
	Drawing	TX-4506
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
9	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	6'-0" x 8'-0" Glazed Steel Double Door, Inswing/Outswing
	Drawing	TX-4507
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
10	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Taylor Building Products
	Product Name	6'-0" x 8'-0" Glazed Steel Double Door w/ Sidelites & Combination Reinforced Mullions, Inswing/Outswing
	Drawing	TX-4507
	Test Standards	ASTM E 330-02, E 1886-05/1996-06

**Impact Resistance:**

System	Impact Resistant	Requirement
1-10	Yes	The doors satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the doors at any height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

System						
1-10	Type of Installation	Door Frame				
	Wall Framing	Wood (G $\geq$ 0.42) or Concrete (minimum 3,000 psi)				
	Fasteners	Minimum No. 10 x 2-1/2" PFH wood screws 1/4" ELCO or ITW concrete screws				
	Fastener Embedment	Wood: Minimum of 1.15 inches into the wall framing Wood or Concrete: Minimum of 1-3/4" into the sill				
	Fastener Location/Spacing	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">Head</td> <td rowspan="4" style="padding: 5px;">The doors shall be installed and anchored in accordance with Taylor Building Product drawings TX-4504, TX-4505, TX-4506 &amp; TX-4507, dated November 3, 2014, signed and sealed by Lyndon F. Schmidt, P.E. on November 12, 2014.</td> </tr> <tr> <td style="text-align: center;">Sill</td> </tr> <tr> <td style="text-align: center;">Side Jamb</td> </tr> <tr> <td style="text-align: center;">Hinges</td> </tr> </table>	Head	The doors shall be installed and anchored in accordance with Taylor Building Product drawings TX-4504, TX-4505, TX-4506 & TX-4507, dated November 3, 2014, signed and sealed by Lyndon F. Schmidt, P.E. on November 12, 2014.	Sill	Side Jamb
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Sill						
Side Jamb						
Hinges						

Note: Keep the manufacturer’s installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.