TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION Effective Date: June 1, 2013
DR-633 Reevaluation Date: **June 2017**

*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.

6'-8" and 8'-0" Glazed Fiberglass Doors, Inswing & Outswing, Singles & Doubles with and without Sidelites, Impact Resistant, manufactured by

ODL, Inc.
215 East Roosevelt Ave.
Zeeland, MI 49464
Telephone: (616) 748-5437

and distributed by

Guardian Building Products
7603 Prairie Oak Drive
Building 6, Suite 100
Houston, TX 77086
Telephone: (281) 397-6403

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6-'8" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +45/-50 psf Outswing +45 /-45 psf	TX-4270
2	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX/XO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4270
3	3'-0" x 6'-8" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing/Outswing; (OXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4270

General Description (continued):

System	Description	Label Rating[1]	Drawing Number
4	6'-0" x 6'-8" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4271
5	6'-0" x 6'-8" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing/Outswing; (OXXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4271
6	3'-0" x 8'-0" Glazed Fiberglass Single Door, Inswing/Outswing; (X)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
7	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelite & Combination Reinforced Mullion, Inswing/Outswing; (OX/XO)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
8	3'-0" x 8'-0" Glazed Fiberglass Single Door w/ Boxed Sidelites & Combination Reinforced Mullion, Inswing/Outswing; (OXO)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4274
9	6'-0" x 8'-0" Glazed Fiberglass Double Door, Inswing/Outswing; (XX)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4275
10	6'-0" x 8'-0" Glazed Fiberglass Double Door w/ Boxed Sidelites, Inswing/Outswing; (OXXO)	Inswing +45/-50 psf Outswing +45/-45 psf	TX-4275

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 37 ¾ " x 82" Outswing: 37 ¾ " x 80 ⅝ "	36" x 79 ¼ "	20 ½ " x 62 ⅝ "
2	Inswing: 76 ¾ " x 82" Outswing: 76 ¾ " x 80 ⅝ "	36" x 79 ¼ "	20 ½ " x 62 ⅝ "
3	Inswing: 115 ¾ " x 82" Outswing: 115 ¾ " x 80 ⅝ "	36" x 79 ¼ "	20 ½ " x 62 ⅝ "
4	Inswing: 74 ½ " x 82" Outswing: 74 ½ " x 80 ⅝ "	36" x 79 ¼ "	20 ½ " x 62 ⅝ "
5	Inswing: 149 ½ " x 82" Outswing: 149 ½ " x 80 ⅝ "	36" x 79 ¼ "	20 ½ " x 62 ⅝ "
6	Inswing: 37 ¾ " x 98" Outswing: 37 ¾ " x 96 ⅜ "	36" x 95 ¼ "	20 ½ " x 78 ½ "
7	Inswing: 76 ¾ " x 98" Outswing: 76 ¾ " x 96 ⅜ "	36" x 95 ¼ "	20 ½ " x 78 ½ "
8	Inswing: 115 ¾ " x 98" Outswing: 115 ¾ " x 96 ⅜ "	36" x 95 ¼ "	20 ½ " x 78 ½ "
9	Inswing: 74 ½ " x 98" Outswing: 74 ½ " x 96 ⅜ "	36" x 95 ¼ "	20 ½ " x 78 ½ "
10	Inswing: 149 ½ " x 98" Outswing: 149 ½ " x 96 ⅜ "	36" x 95 ¼ "	20 ½ " x 78 ½ "

Component Hardware:

System	Component	Quantity	Attachment Method
1-5	4" Butt Hinges	3	Hardware shall be installed in accordance with ODL drawings TX-4270 and TX-4271 dated November 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on December 3, 2012.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series Lockset and Kwikset Signature Series 980 deadbolt	Refer to Hardware Table on page 2 of the drawings.	

Component Hardware (continued):

System	Component	Quantity	Attachment Method
6-10	4" Butt Hinges	4	Hardware shall be installed in accordance with ODL drawings TX-4274 and TX-4275 dated November 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on December 3, 2012.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series Lockset and Kwikset Signature Series 980 deadbolt	Refer to Hardware Table on page 2 of the drawings.	

Product Identification (Certification Agency Label on Door):

System		
1-10	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	ODL, Inc. (Distributed by Guardian Building Products, Houston, TX)
	Product Name	Glazed Fiberglass Doors
	Test Standards	ASTM E330-02; ASTM E 1886-05; ASTM E 1996-06

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

System			
1-10	Type of Installation	Door Frame	
	Wall Framing	Wood (G≥0.42) or Concrete (minimum 3,000 psi)	
	Fasteners	The doors shall be installed and anchored in accordance with ODL drawings TX-4270, TX-4271, TX-4274 and TX-4275 dated November 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on December 3, 2012.	
	Fastener Embedment	Wood: Minimum of 1.15 inches (head and jamb) and 1 ½" (sill) into wood framing Concrete: Minimum of 1 ¾ inches into the concrete	
	Fastener Location/Spacing	Head	The doors shall be installed and anchored in accordance with ODL drawings TX-4270, TX-4271, TX-4274 and TX-4275 dated November 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on December 3, 2012.
		Sill	
		Side Jambs	
		Hinges	

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.