TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective Date: July 1, 2012
DR-544 Reevaluation Date: **February 1, 2013**

*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.

Signet Fiberglass Glazed Inswing Hinged Doors With/Without Sidelites and Transom, Non-impact Resistant, manufactured by

Provia Door, Inc.
2150 State Route 39 West
Sugarcreek, Ohio 44681
Telephone: (330) 852-4711

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Signet Fiberglass Glazed Inswing Hinged Doors with/without Sidelites and Transom	Max Size Tested: 10'-1" x 8'-5"	+45/-55 psf
2	Signet Fiberglass Glazed Inswing Hinged Doors with/without Sidelites and Transom	Max Size Tested: 9'-1" x 8'-5"	+55/-55 psf

Component Dimensions:

System	Overall Door Size	Door Frame Size	Panel Size	Door Glass Daylight Opening Size
1	120 ½" x 100 ¾"	74" x 85 ½"	Active: 35 ¾" x 83" Inactive: 35 ¾" x 83"	21 ¼" x 63 ¼"
	Sidelite Frame Size		Sidelite Glass Daylight Opening Size	
	Direct Set: 21 ¼" x 85 ½"		Direct Set: 18 ¾" x 81 15/16"	
	Transom Frame Size		Transom Glass Daylight Opening Size	
	120 ½" x 15 ¼"		118" x 12 ¾"	

Component Dimensions (continued):

System	Overall Door Size	Door Frame Size	Panel Size	Door Glass Daylight Opening Size
2	108 ½ " x 100 ¾ "	74" x 85 ½ "	Active: 35 ¾ " x 83" Inactive: 35 ¾ " x 83"	21 ¼ " x 63 ¼ "
	Sidelite Frame Size		Sidelite Glass Daylight Opening Size	
	17 ¼ " x 85 ½ "		6 ¾ " x 63 ¼ "	
	Transom Frame Size		Transom Glass Daylight Opening Size	
	108 ½ " x 15 ¼ "		106" x 12 ¾ "	

Hardware:

Option 1 – Active Panel:

- Dead bolt lock (F-Series or B-Series by Schlage); One (1) required
- Lock Assembly (F-Series by Schlage); One (1) required
- Dead bolt strike plate; One Required; Secured to the astragal with two (2) No. 8 x 2 ½ " screws
- Lock assembly strike plate; One (1) required; Secured to the astragal with two (2) No. 8 x 2 ½ " screws.

Option 2 – Active Panel:

- Multipoint lock by Trilennium; One (1) required
- Strike plates; Three (3) required; Each secured to the astragal with two (2) No. 8 x 2 ½ " screws.

Option 3 – Active Panel:

- Emtek deadbolt and lockset; One (1) required
- Strike plates; Two (2) required; Each secured to the astragal with two (2) No. 8 x 2 ½ " screws.

Inactive Panel:

- Head strike plate (for inactive panel throw bolts on astragal); One (1) required; Secured with two (2) No. 10 screws or two (2) 3/16" Tapcons.
- Sill strike plate (for inactive panel throw bolts on astragal); One (1) required; Secured with two (2) No. 10 screws or two (2) 3/16" Tapcons.

Active and Inactive Panel:

Option 1:

- Hinges; Three (3) 4" x 4" ball bearing by Penrod on each panel; Secured to the door panel with four (4) No. 8 x 1 ¼ " screws. Secured to the door side jamb with four (4) fasteners as shown on Sheet 2 of 7 of the approved drawing.

Hardware (Continued):

Active and Inactive Panel (Continued):

Option 2:

- Hinges; Three (3) 4" x 4" Spring Bommer by Penrod on each panel; Secured to the door panel with four (4) No. 8 x 1 ¼" screws. Secured to the door side jamb with four (4) fasteners as shown on Sheet 2 of 7 of the approved drawing.

Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Provia
	Product Name	Fiberglass Glazed Inswing French Door w/Sidelites & Transom
	Test Standards	ASTM E 330

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

Design Drawings:

System 1: The door assembly shall be installed in accordance with Drawing No. 08-01197, Rev A, titled "Signet Inswing Glazed Fiberglass Door W/ and W/Out Direct Set Sidelites and Transom," sheets 1 through 7 of 7, dated December 15, 2010, Revised June 4 , 2012, signed and sealed by Luis R. Lomas., P.E on June 6, 2012. The stated drawings will be referred to as the approved drawings in this evaluation report.

System 2: The door assembly shall be installed in accordance with Drawing No. 08-01198, Rev A, titled "Signet Inswing Glazed Fiberglass Door W/ and W/Out Sidelites and Transom," sheets 1 through 8 of 8, dated December 15, 2010, Revised June 4 , 2012, signed and sealed by Luis R. Lomas., P.E on June 6, 2012. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The door assembly may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 2,000 psi)
- Hollow concrete block (ASTM C-90, Grade N, Type 1 (or greater))
- Wood dimension lumber (minimum Spruce-Pine-Fir)

Installation:

System 1:

- Refer to Sheet 1 of 7 of the approved drawings for the notes.
- Refer to Sheet 4 of 7 and 5 of 7 of the approved drawings for the anchor layouts
- Refer to Sheets 6 of 7 thru 7 of 7 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

System 2:

- Refer to Sheet 1 of 8 of the approved drawings for the notes.
- Refer to Sheet 3 of 8, 4 of 8, and 5 of 8 of the approved drawings for the anchor layouts
- Refer to Sheets 6 of 8 thru 7 of 8 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

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.