

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-218

Effective Date: November 1, 2013
Reevaluation Date: **December 2016**

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.

Designer Series Aluminum Clad Wood Glazed Inswing Hinged Doors, Non-impact Resistant, manufactured by

Pella Corporation
102 Main Street
Pella, Iowa 50219
Telephone: (641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Designer Series Aluminum Clad Wood Glazed Inswing Hinged Door; Active/Passive Panels	LC-PG55 75 x 95.5-Type SHD	+55/-70 psf
2	Designer Series Aluminum Clad Wood Glazed Inswing Hinged Door; Fixed/Active Panel	LC-PG55 75 x 95.5-Type SHD	+55/-55 psf

Product Dimensions:

System	Overall Size	Panel Size (Active/Passive)	Glass Daylight Opening Size
1	75.00" x 95.50"	Active/Passive: 35.63" x 92.56"	25.39" x 79.26"
2	75.00" x 95.50"	Active: 35.63" x 92.56"	25.39" x 79.26"

Acceptance of Smaller Assemblies: Single door assemblies and double door assemblies with dimensions equal to or smaller than those specified in this evaluation report are acceptable within the limitations of this evaluation report.

Hardware:

- 3-point lock assembly (into the head, threshold, and astragal strike plate); located on the active panel; System 1 only
- 3-point lock assembly (into the head, threshold, and jamb); located on the active panel; System 2 only
- 2-point lock assembly (into the head and threshold); located on the passive panel; System 1 only

Hardware (Continued):

- Astragal strike plate; One (1) required; located on the passive panel astragal; Secured with three (3) No. 8 x $\frac{3}{4}$ " screws.
- Head and sill strikes; Two (2) required (one (1) in the head and one (1) in the threshold at the sill); The head strike plate is secured with three (3) No. 8 x 3" screws. The sill strike plate is secured with three (3) No. 8 x 3" screws.
- Hinges (System 1 only); Six (6) required (three (3) on each door panel); Secured to the door panel with two (2) No. 8 x 2" screws and one (1) No. 10 x 2" screw. Secured to the door jamb with three (2) No. 12 x $\frac{3}{4}$ " screws and one (1) No. 12 x 2 $\frac{1}{2}$ " screw.
- Hinges (System 2 only); Three (3) required; Secured to the door panel with two (2) No. 8 x 2" screws and one (1) No. 10 x 2" screw. Secured to the door jamb with three (2) No. 12 x $\frac{3}{4}$ " screws and one (1) No. 12 x 2 $\frac{1}{2}$ " screw.

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	In-swing French Door; (AP) Active/Passive
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA/WDMA/CSA 101/I.S.2/A440-11;
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	In-swing French Door; (FA) Fixed/Active
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA/WDMA/CSA 101/I.S.2/A440-11;

Impact Resistance:

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

Installation:

Fin Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the aluminum nailing fin with minimum 11 gauge smooth shank roofing nails. Along the head and side jambs, the fasteners are spaced approximately 5 to 7 inches on center through pre-punched holes. The sill is secured to the floor framing with No. 8 x 3" screws located approximately 3 inches and 18 inches from each corner and 6 inches on either side of the mid span. Along the head and sill, three (3) No. 8 x 3" screws are required through the strike plates. Along the side jambs, each hinge is secured with one (1) No. 12 x 2 $\frac{1}{2}$ " screw. All fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ " inches into the wall framing.

Screw Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing using the door frame with minimum No. 8 x 3" screws. Along the head, the fasteners are located approximately 6 inches from each corner and 6 inches on either side of the mid span. The sill is secured to the floor framing with No. 8 x 3" fasteners located approximately 3 inches and 18 inches from each corner and 6 inches on either side of the mid span. Along the side jambs, the fasteners are spaced approximately 6 inches from each corner and approximately 16.7 inches on center. Along the head and sill, three (3) No. 8 x 3" screws are required through the strike plate. Along the side jambs, each hinge is secured with one (1) No. 12 x 2 $\frac{1}{2}$ "

screw. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

Clip Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing at the frame head and side jambs with 2" x 6" x 0.052" galvanized steel installation clips. The clips are secured to the door frame with two (2) No. 6 x $\frac{3}{4}$ " screws and to the wall framing with two (2) No. 6 screws. Along the head, the clips are spaced approximately 6 inches from each corner and 6 inches on either side of the mid span. Along the side jambs, the fasteners are spaced approximately 6 inches from each corner and approximately 16.7 inches on center. The sill is secured to the floor framing with No. 8 x 3" screws located approximately 3 inches and 18 inches from each corner and 6 inches on either side of the mid span. Along the head and sill, three (3) No. 8 x 3" screws are required through the strike plate. Along the side jambs, each hinge is secured with one (1) No. 12 x 2 $\frac{1}{2}$ " screw. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

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.