

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 DR-635

Effective Date: August 1, 2013
Reevaluation Date: **July 2014**

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.

Architect Series Model 5 Aluminum Clad Wood Inswing Hinged Doors, 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	Hallmark Certification
1	Architect Series Model 5 Aluminum Clad Wood Inswing French Door Fixed	F-C55 38x96	+55/-70 psf	411-H-1169 411-H-1231
2	Architect Series Model 5 Aluminum Clad Wood Inswing French Door Fixed	F-C55 38x120 Missile Level D	+55/-70 psf	411-H-1170 411-H-1183
3	Architect Series Model 5 Aluminum Clad Wood Inswing French Door Fixed	F-C55 38x120 Missile Level D	+55/-70 psf	411-H-1169 411-H-1183
4	Architect Series Model 5 Aluminum Clad Wood Inswing French Door	HGD-LC55 75x96	+55/-70 psf	411-H-1172 411-H-1183
5	Architect Series Model 5 Aluminum Clad Wood Inswing French Door	HGD-LC55 75x96	+55/-70 psf	411-H-1164 411-H-1183
6	Architect Series Model 5 Aluminum Clad Wood Inswing French Door	HGD-LC40 75x120	±40 psf	411-H-1167 411-H-1183

Product Dimensions:

System	Overall Size	Panel Size (Active/Passive)	Daylight Opening Size
1	37.875" x 95.5"	35.625" x 92.5"	26.75" x 80.25"
2	38" x 119.5"	35.625" x 116.5"	31.75" x 104.25"
3	37.875" x 119.5"	35.625" x 116.5"	31.75" x 104.25"
4	75" x 95.5"	35.625" x 92.5"	26.75" x 80.25"
5	75" x 95.5"	35.625" x 92.5"	26.75" x 80.25"
6	75" x 119.5"	35.625" x 116.5"	31.75" x 104.25"

Hardware:
Systems 1-3: NA
Systems 4-6:

- 3-point lock assembly; located on the active panel.
- 2-point lock assembly; located on the passive panel.
- Strike plate; One (1) required; located on the passive panel astragal; Secured with three (3) No. 8 x $\frac{3}{4}$ " screws.
- Lock 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; Six (6) required (three (3) on each door panel); Secured to the door panel with two (2) No. 8 x 2" flat head screws and one (1) No. 10 x 2". Secured to the door jamb with two (2) No. 8 x $\frac{3}{4}$ " screws and one (1) No. 8 x 3" screw.

Product Identification (Certification Agency Label on Door):

System	Certification Agency	WDMA
1-3	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Inswing French Door Fixed
	Test Standards	ANSI/AAMA/NWWDA 101/I.S.2-97; AAMA/WDMA/CSA 101/I.S.2/A440-05; ASTM E 1886, ASTM E 1996, Missile Level D
	Certification Agency	WDMA
4-6	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Inswing French Door
	Test Standards	ANSI/AAMA/NWWDA 101/I.S.2-97; AAMA/WDMA/CSA 101/I.S.2/A440-05; ASTM E 1886, ASTM E 1996, Missile Level D
	Certification Agency	WDMA

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, 2 & 3 (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 1.875" x 8.187" x 0.052" galvanized steel installation clips. The clips are located 6" from each corner on the head and jambs, and then spaced 18" o.c. along each jamb. 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. The fasteners shall be long enough to penetrate a minimum of 1 $\frac{1}{2}$ inches into the wall framing.

System 4 (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 1.875" x 8.187" x 0.052" galvanized steel installation clips. The clips are located 6" from each corner on the head and jambs, and then spaced 16 $\frac{3}{4}$ " o.c. along each jamb. 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. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing.

System 5 & 6 (Screw installation): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. One (1) No. 8 x 3" screw located through the center of each hinge and one (1) No. 10 x 3" screw located between each hinge. One (1) No. 10 x 3" screw located 6" from each corner and from the center strike. Three (3) No. 8 x 3" screws are located in the head and sill strike plate. One No. 10 x 3" screw is located 6" from each corner and 6" from the sill strike on each side through the sill threshold. 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.