

Product Evaluation

DR559 | 0222

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-559

Effective Date: February 1, 2022

Re-evaluation Date: February 2026

Product Name: Pella/Architect Series Aluminum Clad Wood Outswing Hinged Doors, Non-Impact Resistant and Impact Resistant

Manufacturer: Pella Corporation
102 Main St.
Pella, IA 50219
(641) 621-1000

General Description: Non-Impact Resistant

System	Description	Label Rating	Design Pressure Rating
1	Pella/Architect Series Clad Wood Outswing Hinged Door	LC-PG50 (75 x 119.5)-SHD	+50 / -50 psf
2	Pella/Architect Series Clad Wood Outswing Hinged Door	LC-PG70 (75 x 95.5)-SHD	+70 / -70 psf
3	Pella/Architect Series Clad Wood Outswing Fixed Door	LC-PG50 (37.875 x 119.5)-FD	+50 / -50 psf
4	Pella/Architect Series Clad Wood Outswing Fixed Door	LC-PG70 (37.875 x 95.5)-FD	+70 / -70 psf

General Description: Impact Resistant

System	Description	Label Rating	Design Pressure Rating
5	Pella/Architect Series Clad Wood Outswing Hinged Door	LC-PG70 (75 x 95.5)-SHD Missile Level D	+70 / -70 psf
6	Pella/Architect Series Clad Wood Outswing Fixed Door	LC-PG70 (37.875 x 95.5)-FD Missile Level D	+70 / -70 psf
7	Pella/Architect Series Clad Wood Outswing Fixed Door	LC-PG50 (37.875 x 119.5)-FD Missile Level D	+50 / -50 psf
8	Pella/Architect Series Clad Wood Outswing Hinged Door	LC-PG50 (75 x 119.5)-SHD Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1, 8	75" x 119-1/2"	35-1/2" x 117-1/8"	26-1/4" x 103-3/4"
2, 5	75" x 95-1/2"	35-1/2" x 93-1/8"	26-1/4" x 83-5/16"
3, 7	37-7/8" x 119-1/2"	N/A	26-1/4" x 107-5/16"
4, 6	37-7/8" x 95-1/2"	N/A	26-1/4" x 83-5/16"

Components and Hardware:

System	Component	Quantity	Attachment Method
1, 8	Hinges	8	Install hardware in accordance with drawing No. 1730T and 1731T, dated June 8, 2021. Signed and sealed by Warren W. Schaefer, P.E. on June 8, 2021.
	5-point lock system (includes sensor) with handle, located on active panel	1	
	2-point lock system with handle, located on inactive panel	1	
	Flipper strike plates, located on inactive panel	2	
	Lock strikes, one at the head, one at the sill	2	
2, 5	Hinges	6	Install hardware in accordance with drawing No. 1730T and 1725T, dated June 8, 2021. Signed and sealed by Warren W. Schaefer, P.E. on June 8, 2021.
	3-point lock system (includes sensor) with handle, located on active panel	1	
	2-point lock system with handle, located on inactive panel	1	
	Strike plate located on inactive panel	1	
	Lock strikes, one at the head, one at the sill	2	

NOTE: No hardware required for fixed doors (Systems 3-4, 6-7)

Product Identification (Certification Label on Door):

System		
1-4	Certification agency	WDMA
	Manufacturer's name or code name	Pella Corporation
	Product name	Pella/Architect-Out-Swing French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
5-8	Certification agency	WDMA
	Manufacturer's name or code name	Pella Corporation
	Product name	Pella/Architect-Out-Swing French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-13a/E1996-17 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris.
5-8	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

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

Installation:

System		
1-4	Type of installation	Install in accordance with drawing No. 1731T, dated June 8, 2021. Signed and sealed by Warren W. Schaefer, P.E. on June 8, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	
5-8	Type of installation	Install in accordance with drawing No. 1730T, dated June 8, 2021. Signed and sealed by Warren W. Schaefer, P.E. on June 8, 2021.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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