

Product Evaluation

DR918 | 0422

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-918

Effective Date: April 1, 2022

Re-evaluation Date: June 2025

Product Name: Aluminum Clad Wood Glazed Outswing Side Hinged Doors, Fin and Frame Installation, Non-Impact Resistant

Manufacturer: Lincoln Wood Products
1400 W. Taylor Street
Merrill, WI 54452
(715) 536-2461

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Wood Outswing Door; OX	LC-PG40 (74 x 98)-SHD	+40 / -40 psf
2	Clad Wood Outswing Door; OX	LC-PG50 (74 x 98)-SHD	+50 / -50 psf
3	Clad Wood Outswing French Door; XX	R-PG30 (74 x 98)-SHD (MODIF)	+30 / -30 psf
4	Clad Wood Outswing French Door; XX	R-PG25 (74 x 98)-SHD	+25 / -25 psf
5	2-1/4" Clad Wood Outswing French Doors; XX	LC-PG35 (86 x 122)-SHD (MODIF)	+35 / -35 psf
6	2-1/4" Clad Wood Outswing French Doors; XX	LC-PG35 (86 x 98)-SHD	+35 / -35 psf

General Description:

System	Description	Label Rating	Design Pressure Rating
7	2-1/4" Clad Wood Outswing Doors; OX	LC-PG30 (86 x 98)-SHD	+30 / -30 psf
8	2-1/4" Clad Wood Outswing Doors; OX	LC-PG45 (86 x 122)-SHD (MODIF)	+45 / -45 psf
9	2-1/4" Clad Wood Outswing Doors; X	LC-PG50 (43 x 98)-SHD	+50 / -50 psf
10	2-1/4" Clad Wood Outswing Doors; X	LC-PG50 (43 x 122)-SHD (MODIF)	+50 / -50 psf
11	Clad Wood Outswing French Door; XX	R-PG50 (74 x 96)-SHD	+50 / -50 psf

Product Dimensions:

System	Overall Size	Panel Size	Panel Daylight Opening Size
1-4	73-15/16" x 98-1/4"	35-13/16" x 95-15/16"	29-3/16" x 88-9/16"
5, 8	85-15/16" x 122-1/4"	41-3/4" x 120"	35-13/16" x 112-9/16"
6-7	85-15/16" x 98-1/4"	41-3/4" x 96"	35-13/16" x 88-9/16"
9	43-3/8" x 98-1/4"	41-3/4" x 96"	35-13/16" x 88-9/16"
10	43-3/8" x 122-1/4"	41-3/4" x 120"	35-3/16" x 112-9/16"
11	74" x 95-1/2"	35-3/4" x 93-1/2"	26-1/8" x 81-1/8"

Components and Hardware:**Systems 1, 7, 9:**

- **Hoppe 3-point lock:** Located on the door panel stile. Center latch and deadbolt, two adjacent locks.
- **Latch and deadbolt strike plate:** one each required; secure with two No. 8 x 3/4" screws and one No. 8 x 2-1/2" screw
- **Lock strike plate:** two required; secure with two No. 8 x 2-1/2" screws
- **Hinges:** four required; secure to the door slab with four No. 8 x 1-1/4" screws and to the door jamb with three No. 10 x 3/4" screws and one No. 10 x 2-1/2" screw.

Systems 2, 8, 10:

- **Hoppe 5-point lock:** Located on the door panel stile. Center latch and deadbolt, two adjacent locks, shoot bolts at the head and the sill.
- **Latch and deadbolt strike plate:** one each required; secure with two No. 8 x 3/4" screws and one No. 8 x 2-1/2" screw
- **Lock strike plate:** two required; secure with two No. 8 x 2-1/2" screws
- **Hinges:** four required; secure to the door slab with four No. 8 x 1-1/4" screws and to the door jamb with three No. 10 x 3/4" screws and one No. 10 x 2-1/2" screw.

- **Flush Bolt strike plate:** two required, one at the head and sill; secure with two No. 8 x 2-1/2" screws.

Systems 3, 5:

- **Hoppe 5-point Lock:** Located on the active door panel stile. Center latch and deadbolt, two adjacent locks, shoot bolts at the head and the sill.
- **Latch and Deadbolt Strike Plate:** One required; secure with two No. 8 x 3/4" screws and one No. 8 x 2-1/2" screw.
- **Lock Strike Plate:** Two required; secure with two No. 8 x 2-1/2" screws.
- **Lever Activated Flush Bolt Lock:** Located on the passive door panel stile. Flush bolt located at the head and the sill.
- **Flush Bolt Strike Plates;** Four required, two at the head and sill; secure with two No. 8 x 2-1/2" screws.
- **Hinges:** Four required per door panel; secure to the door slab with four No. 8 x 1-1/4" screws and to the door jamb with three, No. 10 x 3/4" screws and one No. 10 x 2-1/2" screw

Systems 4, 6, 11:

- **Hoppe 3-point Lock:** Located on the active door panel stile. Center latch and deadbolt and locks at the head and the sill.
- **Latch and Deadbolt Strike Plate:** One required; secure with two No. 8 x 3/4" screws and one No. 8 x 2-1/2" screw.
- **Lock Strike Plate:** Two required; secure with two No. 8 x 2-1/2" screws.
- **Lever Activated Flush Bolt Lock:** Located on the passive door panel stile. Flush bolt located at the head and the sill.
- **Flush Bolt Strike Plates;** Two required; one at the head and sill, secure with two, No. 8 x 2-1/2" screws.
- **Hinges:** Four required per door panel; secure to the door slab with four No. 8 x 1-1/4" screws and to the door jamb with three No. 10 x 3/4" screws and one No. 10 x 2-1/2" screw.

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	Clad Outswing 2 Wide Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3-4	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	Clad Outswing French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Door)-Continued:

System		
5-6	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	2-1/4 Wood Outswing French Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
7-8	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	2-1/4 Wood Outswing 2 Wide Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
9-10	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	2-1/4 Wood Outswing Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
11	Certification agency	AAMA
	Manufacturer's name or code name	LN-1
	Product name	Wood Outswing French Door w/ PG50 Upgrade
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-11	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

Systems 1-10: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using the nailing fin. The nailing fin is secured to the wall framing along the head and side jambs with minimum 2" long smooth shank roofing nails (0.12" shank diameter, 0.39" diameter head). Locate the fasteners approximately 7" from each corner and 7" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the framing.

System 11: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing along the head and side jambs with minimum 20-gauge x 7" x 1-1/2" steel installation clips. Secure the clips to the door frame with two (2) No. 10 x 3/4" screws and to the wall framing with minimum No. 6 screws. Locate the screws approximately 4" from each corner and 16" on center. In addition, secure the door to the wall framing with a nailing fin along the head and side jambs using minimum 2" long smooth shank roofing nails with a 0.12" shank diameter and a 0.39" head. Locate the nails approximately 8" from each corner and 8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.