TDI | Texas Department of Insurance

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

Product Evaluation

DR884 | 0122

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-884

Effective Date: January 1, 2022
Re-evaluation Date: June 2025

Product Name: Aluminum Clad Wood Sliding French Doors, Fin Installation, Non-Impact Resistant

Manufacturer: Sierra Pacific Windows
575 South Whelen Ave
Medford, WI 54451
(715) 748-2011

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Wood Sliding French Doors; OXXO	LC-PG25 (187.56 x 95.81)-SD	+25 / -25 psf
2	Clad Wood Sliding French Doors; OX	LC-PG35 (95 x 96)-SD	+35 / -35 psf
3	Clad Wood Sliding French Doors, HP; OXXO	LC-PG50 (188 x 96)-SD	+50 / -50 psf
4	Clad Wood Sliding French Doors; OXO	LC-PG30 (144 x 96)-SD	+30 / -30 psf
5	Clad Wood Sliding French Doors; OXO	LC-PG50 (144 x 96)-SD	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	187-9/16" x 95-13/16"	48" x 93"	39" x 84-1/4"
2	94-3/4" x 95-13/16"	48" x 93"	39" x 81-1/4"
3	187-5/8" x 95-3/4"	48-3/8" x 93"	39" x 81-1/4"
4-5	144-5/16" x 95-7/8"	47-15/16" x 93"	39" x 81-1/4"

Product Identification (Certification Label on Door):

System		
1	Certification agency	WDMA
	Manufacturer's name	Sierra Pacific Windows
	Product name	Clad French Sliding Patio Door OXXO
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17
2	Certification agency	WDMA
	Manufacturer's name	Sierra Pacific Windows
	Product name	Clad French Sliding Patio Door
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
3	Certification agency	WDMA
	Manufacturer's name	Sierra Pacific Windows
	Product name	Clad French Sliding Patio Door- HP
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
4-5	Certification agency	WDMA
	Manufacturer's name	Sierra Pacific Windows
	Product name	Clad French Sliding Patio Door OXO
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11

Impact Resistance:

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing through the nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH slash-point screws. Locate the screws approximately 2"-4" from each corner and 6"-8" on center. The sill was secured through the fixed panel angles with No. 10 x 2-1/2" PFH screws. In addition, the assembly was secured through the pine head stops using No. 6 x 2-3/4" PFH screws spaced 1" from the end of the stops and 12" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Spruce-pine-Fir dimension lumber. The door assembly is secured to the wall framing through the integral vinyl nailing fin. The nailing fin is secured to the wall framing with 2" long smooth shank roofing nails. Locate the nails approximately 2"-4" from each corner and 7" on center. Two No. 8 x 3" PPH screws were placed through the lock strike into the wall framing. One No. 10 x 2-1/2" PFH screw is located through each anti-theft bracket at the head and sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 3: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using an applied vinyl nailing fin at the sill and an applied structural aluminum nailing fin at the head and side jambs. Secure the nailing fin to the wall framing using minimum No. 8 PPH screws spaced approximately 1"-2" from each corner and 8"-10" on center thereafter. Secure two anti-theft brackets at the sill and one at the head to the door panel using one minimum No. 8 x 1-1/2" PFH screw and to the wall framing using one minimum No. 10 x 2-1/2" PFH screw. Secure the wood inside stop with ten minimum No. 6 x 2-3/4" PFH screws at the active panels. The sill was secured with minimum No. 10 x 2-1/2" PFH screws spaced approximately 6" from each corner and 14"-15" on center through the inside track. Secure the head strike plate with three minimum No. 10 x 2-1/2" PFH screws. Secure the sill strike plate with three minimum No. 10 x 3" PFH screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 4: The wood wall framing members must be Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using an applied vinyl nailing fin. The nailing fin is secured to the wall framing using minimum No. 8 PPH screws spaced approximately 1"-2" from each corner and 3"-4" on center along the head and 8"-10" on center along the side jambs and sill. Secure one anti-theft bracket at the sill and head to the door panel with one minimum No. 8 x 1-1/2" PFH screw and to the wall framing with one minimum No. 10 x 2-1/2" PFH screw. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 5: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using an applied structural aluminum nailing fin at the head and side jambs and an applied vinyl nailing fin at the sill. Secure the nailing fin to the wall framing using minimum No. 8 PPH screws spaced approximately 1"-2" from the corners and 8"-10" on center thereafter. Secure two anti-theft brackets at the sill and one at the head into the door panel using one minimum No. 8 PFH screw and into the wall framing using one minimum No. 10 x 2-1/2" PFH screw per bracket. The wood inside stop is secured using minimum No. 6 x 2-3/4" PFH screws. Secure the sill using minimum No. 10 x 2-1/2" PFH screws spaced approximately 3" and 6" on each side of the mull jamb and placed through the inside track. 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.