

## Product Evaluation

DR1144 | 0321

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-1144

**Effective Date:** March 1, 2021

**Re-evaluation Date:** November 2023

**Product Name:** A-Series Frenchwood Sliding Patio Doors and Sidelites, Impact Resistant

**Manufacturer:** Andersen Windows and Doors  
100 Fourth Avenue North  
Bayport, MN 55003-1096  
(651) 264-5308

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	A-Series Frenchwood Sliding Door; XOX	LC-PG50 (141 x 119.5) Missile Level D	+50 / -50 psf
2	A-Series Frenchwood Sliding Door; XOX	LC-PG50 (141 x 95.5) Missile Level D	+50 / -50 psf
3	A-Series Frenchwood Sliding Door; XOX	LC-PG65 (141 x 82.4) Missile Level D	+65 / -70 psf
4	A-Series Frenchwood Sliding Door; XOX	LC-PG50 (141 x 82.4) Missile Level D	+50 / -70 psf
5	A-Series Frenchwood Sliding Door; OXXO	LC-PG50 (189 x 119.5) Missile Level D	+50 / -50 psf

**General Description (continued):**

System	Description	Label Rating	Design Pressure Rating
6	A-Series Frenchwood Bi-Parting Sliding Door; OXXO	LC-PG65 (189 x 82.4) Missile Level D	+65 / -70 psf
7	A-Series Frenchwood Bi-Parting Sliding Door; OXXO	LC-PG50 (189 x 82.4) Missile Level D	+50 / -70 psf
8	A-Series Frenchwood Bi-Parting Sliding Door; OXXO	LC-PG50 (189 x 95.5) Missile Level D	+50 / -50 psf
9	A-Series Frenchwood Fixed Door/Sidelite; O	LC-PG55 (50.4 x 119.5) Missile Level D	+55 / -55 psf
10	A-Series Frenchwood Fixed Door/Sidelite; O	LC-PG45 (50.4 x 119.5) Missile Level D	+45 / -55 psf
11	A-Series Frenchwood Sliding Doors; XO	LC-PG55 (95.2 x 119.5) Missile Level D	+55 / -55 psf
12	A-Series Frenchwood Sliding Doors; XO	LC-PG50 (95.2 x 119.5) Missile Level D	+50 / -55 psf
13	A-Series Frenchwood Sliding Doors; XO	LC-PG70 (95.3 x 82.4) Missile Level D	+70 / -80 psf
14	A-Series Frenchwood Sliding Doors; XO	LC-PG50 (95.3 x 82.4) Missile Level D	+50 / -80 psf
15	A-Series Frenchwood Sliding Doors; XO	LC-PG70 (95.3 x 95.5) Missile Level D	+70 / -70 psf
16	A-Series Frenchwood Sliding Doors; XO	LC-PG50 (95.3 x 95.5) Missile Level D	+50 / -70 psf

**Product Dimensions:**

System	Overall size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	141" x 119-1/2"	36" x 116-1/2" (2)	65-15/16" x 103-7/16" (1)
2	141" x 95-1/2"	36" x 92-1/2" (2)	63-15/16" x 79-7/16" (1)
3-4	141" x 82-3/8"	36" x 79-3/8" (2)	63-15/16" x 66-5/16" (1)
5	189" x 119-1/2"	48" x 116-1/2" (2)	39-1/8" x 103-7/16" (2)
6-7	189" x 82-3/8"	48" x 79-3/8" (2)	39-1/8" x 66-5/16" (2)
8	189" x 95-1/2"	48" x 92-1/2" (2)	39-1/8" x 79-7/16" (2)
9-10	50-3/8" x 119-1/2"	N/A	39-1/8" x 103-7/16"
11-12	95-1/4" x 119-1/2"	48" x 116-1/2"	39-1/8" x 103-7/16"
13-14	95-1/4" x 82-3/8"	48" x 79-3/8"	39-1/8" x 66-5/16"
15-16	95-1/4" x 95-1/2"	48" x 92-1/2"	39-1/8" x 79-7/16"

**Product Identification (Certification Label on Door):**

System		
1, 5, 9-12	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	A-Series Frenchwood Gliding Patio Door; Impact Resistant
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12
2-4, 6-8, 13-16	Certification agency	WDMA
	Manufacturer's name or code name	Andersen Corporation
	Product name	A-Series Frenchwood Gliding Patio Door; Impact Resistant
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886/E1996-05

**Impact Resistance:**

System	Impact Resistant	Requirement
1-16	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.

**Installation:**

**System 1:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jambs, locate the screws approximately 6" from each corner and 13-1/2" on center. Along the head, locate the screws approximately 3-1/2", 10-1/4", 21-1/4", 50", 61", and 67-3/4" from each corner. No screws at the sill. 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 with No. 10 x 3" screws. Along the side jambs, locate the screws 6" from each corner and 14" on center. Locate two (2) screws through the keeper. Along the head, locate the screws 3-1/2", 10-1/4", 21-1/4", 50", 61", and 67-3/4" from each corner. The sill was secured with No. 8 screws. Four (4) screws through each sill bracket spaced one at 12", 23", 39", and 54-1/2" from each corner and one at the midspan. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 3-4:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jambs, locate the screws 6" from each corner and 17-3/4" on center. Locate two screws through the keeper. Along the head, locate the screws 3-1/2", 10-1/4", 21-1/4", 50", 61", and 67-3/4" from

each corner. The sill was secured with No. 8 screws. Four (4) screws through each sill bracket spaced one at 12", 23", 39", and 54-1/2" from each corner and one (1) at the midspan. 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 with No. 10 x 3" screws. Along the side jambs, locate the screws approximately 6" from each corner and 13-1/2" on center. Along the head, locate the screws 10" from each corner and 11-1/2" on center. The head jamb was also secured with No. 10 x 2-1/2" screws through the panel stiffener bracket. Secure the parting stop bracket with three (3) No. 10 x 3" screws. The sill was secured with No. 8 screws. Four (4) screws through each sill bracket spaced one at 12" from each corner and 21" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 6-7:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jambs, locate the screws 6" from each corner and 17-3/4" on center. Along the head, locate the screws 10" from each corner and 11-1/2" on center. Secure the parting stop bracket with three (3) No. 10 x 3" screws. The sill was secured with No. 8 screws. Locate four (4) screws through each sill bracket; one (1) spaced at 12", 33", 53-1/2", and 74" from each end and midspan. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 8:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jambs, locate the screws 6" from each corner and 14" on center. Along the head, locate the screws 10" from each corner and 11-1/2" on center. Secure the parting stop bracket with three (3) No. 10 x 3" screws. The sill was secured with No. 8 screws. Locate four (4) screws through each sill bracket; one (1) spaced at 12", 33", 53-1/2", and 74" from each end and midspan. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 9-10:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jambs, locate the screws approximately 8" from each corner and 13" on center. Along the head, locate the screws approximately 7" from each corner and one (1) at the midspan. No screws at the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 11-12:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Locate the screws along the side jambs approximately 6" from each corner and 13-1/2" on center. Along the head, locate the screws 10" from each corner and 11-1/2" on center. No screws at the sill. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 13-14:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side

jamb, locate the screws approximately 6" from each corner and 17-3/4" on center. Locate two (2) screws through the keeper along the locking jamb. Along the head, locate the screws approximately 10" from each corner and 11-1/2" on center. The head jamb was also secured with No. 10 x 2-1/2" screws through the panel stiffener bracket. The sill was secured with No. 8 screws. Four (4) screws through each sill bracket spaced one (1) at 12" and 29" from each corner and one (1) at the midspan. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 15-16:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing with No. 10 x 3" screws. Along the side jamb, locate the screws approximately 6" from each corner and 14" on center. Locate two (2) screws through the keeper along the locking jamb. Along the head, locate the screws approximately 10" from each corner and 11-1/2" on center. The head jamb was also secured with No. 10 x 2-1/2" screws through the panel stiffener bracket. The sill was secured with No. 8 screws. Four (4) screws through each sill bracket spaced one (1) at 12" and 29" from each corner and one (1) at the midspan. 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.