

Product Evaluation

DR1102 | 1023

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-1102

Effective Date: October 1, 2023

Re-evaluation Date: April 2025

Product Name: Knotty Alder 6-Lite Glazed, Inswing, Wood Side Hinged Entry Doors, Singles and Doubles, Frame Installation, Non-Impact Resistant

Manufacturer: Hoelscher Weatherstrip Mfg. Co., Inc.
10111 Houston Oaks Dr.
Houston, TX 77064
(713) 869-6466

General Description:

System	Description	Label Rating	Design Pressure Rating
1	3'-0" x 8'-0" Single Door (X)	MST: 38.25 x 97.75	+55 / -55 psf
2	6'-0" x 8'-0" Double Door (XX)	MST: 74.56 x 97.50	+55 / -55 psf
3	3'-0" x 6'-8" Single Door (X)	MST: 37.75 x 81.75	+80 / -80 psf
4	6'-0" x 6'-8" Double Door (XX)	MST: 74.44 x 81.75	+55 / -55 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	38-1/4" x 97-3/4"	35-3/4" x 95-1/4"	11-3/4" x 11-3/4" (6)
2	74-9/16" x 97-1/2"	37-1/4" x 95"	11-1/8" x 16-3/4" (6)

Product Dimensions (continued):

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
3	37-3/4" x 81-3/4"	36" x 79-1/4"	11-3/4" x 11-3/4" (6)
4	74-7/16" x 81-3/4"	37" x 79-1/4"	11" x 11-3/8" (6)

Hardware:**System 1, 3:**

- **SGS Butt Hinges (part #158-4.0):** A pin was inserted into each hinge. Secure to the frame jamb with two No. 10 x 1" bugle head screws and to the wall framing with two No. 10 x 3" bugle head screws.
 - Four pairs per leaf required
 - Three pairs per leaf required
- **Kwikset Model 800CE Lock set with handle:** One required
- **Door Handle Strike Plate:** One required; secure to the frame jamb with two No. 10 x 2-1/2" bugle head screws
- **BHP Deadbolt (part #10626DC and 52115Sn):** One each required.
- **Deadbolt and Latch Strike Plate:** One each required; secure to the frame jamb with two No. 10 x 2-1/2" bugle head screws.

System 2, 4:

- **Same hardware from System 1**
- **6" Surface Bolts (System 2):** Two required; secure with No. 8 x 1-3/16" wood screws at each panel top rail
- **Surface Bolt keeper:** secure with No. 8 x 1-3/16" wood screws
 - Four required for System 2: two at the frame head and two at the sill.
 - Two required for System 4: located at the frame head.
- **12" Surface Bolts (System 2):** Two required; secure with No. 8 x 1-3/16" wood screws at each panel bottom rail
- **Flush Bolts:** Two required
- **8" Surface Bolts (System 4):** Two required; secured with No. 8 x 1-3/16" wood screws at each panel top rail

Product Identification (Certification Label on Door):

System		
1, 4	Certification agency	NAMI
	Manufacturer's name	Hoelscher Weatherstrip Mfg. Company
	Product name	3080 Knotty Alder 6-Lite Glazed Inswing Single Wood Door (System 1) 6068 Knotty Alder 6-Lite Glazed Inswing Double Wood Door (System 4)
	Test standards	ASTM E330/E330M-14

Product Identification (Certification Label on Door) - continued:

System		
2-3	Certification agency	NAMI
	Manufacturer's name	Hoelscher Weatherstrip Mfg. Company
	Product name	Knotty Alder 6-Lite Glazed Inswing Wood Door
	Test standards	ASTM E330/E330M-14 (System 2) ASTM E330-14 (System 3)

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:**Frame 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 using No. 8 x 2-1/2" bugle head screws. Along the side jambs, locate the screws approximately 3" from each corner and 12" on center. Along the head, locate the screws approximately 5" from each corner and one at the midspan. At the sill, use No. 8 x 3" bugle head screws located approximately 4" from each corner and 10" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 2):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using No. 8 x 2-1/2" bugle head screws. Along the side jambs, locate the screws approximately 3" from each corner and 12" on center. Along the head, locate the screws approximately 1" from each corner and 16" on center. At the sill, use No. 8 x 3" bugle head screws located approximately 5" from each corner and 13" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (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 No. 8 x 3" screws. Place two screw through the hinge jamb. At the sill, locate the screws approximately 4" from each corner and 10" on center. Along the head and side jambs, use No. 8 x 2-1/2" screws. At the head, locate the screws approximately 5" from each corner and one at the center. At the side jambs, locate the screws approximately 3" from each corner and 12" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 4):

The wood wall framing members must be minimum Spruce-Pine Fir dimension lumber. The door assembly is secured to the wall framing using No. 8 x 3" screws. Place two screw through the hinge jamb. At the sill, locate the screws approximately 5" from each corner and 13" on center.

Frame Installation (System 4) - continued:

Along the head and side jambs, use No. 8 x 2-1/2" screws. At the head, locate the screws approximately 1" from each corner and 16" on center. At the side jambs, locate the screws approximately 3" from each corner and 12" 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.