

## Product Evaluation

DR506 | 0323

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-506

**Effective Date:** March 1, 2023

**Re-evaluation Date:** November 2024

**Product Name:** Knotty Alder 3/4 Lite Glazed Wood Inswing Hinged Doors, Non-Impact Resistant

**Manufacturer:** Hoelscher Weatherstrip Manufacturing Company, Inc.

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Houston, TX 77064

(713) 869-6466

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	3068 Knotty Alder 3/4 Lite Glazed Wood Inswing Doors	MST: 37.5 x 83.5	+70 / -70 psf
2	Knotty Alder 3/4 Lite Glazed Wood Inswing Doors	MST: 3'2" x 8'2"	+40 / -53 psf
3	Knotty Alder 3/4 Lite Glazed Wood Inswing Doors	MST: 43.75 x 97.75	+54 / -71 psf
4	6080 Knotty Alder 3/4 Lite Glazed Wood Inswing Doors	MST: 6'2" x 8'2"	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	37-1/2" x 83-1/2"	36" x 79-1/4"	20-3/4" x 55-1/4"
2	37-1/2" x 97-3/4"	36" x 95"	20-5/8" x 66-1/16"
3	43-3/4" x 97-3/4"	42" x 95"	20-5/8" x 66-1/8"
4	74-3/8" x 97-3/4"	35-7/8" x 95-3/8"	20-5/8" x 66"

**Components and Hardware:****System 1:**

- **Kwikset Signature Series, Chelsea handle and Juno knob:** One (1) required.
- **Door handle strike:** One (1) required; secure to the frame jamb with two No. 10 x 2-1/2" bugle head screws.
- **SGS Butt Hinge (part #158-4.0):** Three (3) pairs; A pin is inserted into each hinge; secure to the frame with four No. 10 x 1-1/2" bugle head screws and to the door leaf with four No. 10 x 1-1/2" bugle head screws.
- **BHP Deadbolt (part #10626DC):** One (1) required.
- **BHP Deadbolt (52115Sn):** One (1) required.
- **Deadbolt and Latch strike plate:** One (1) each required; secure to the frame jamb with two No. 10 x 2-1/2" x " bugle head screws.

**System 2:**

- **Lockset (One of the Following):**
  - **Schlage JH58 Lockset (Deadbolt and Deadbolt Latch):** One (1) required.
    - **Deadbolt strike plate:** secure with two (2) No. 8 x 3" bugle head screws
    - **Latch strike plate:** secure with two (2) No. 8 x 3/4" bugle head screws
  - **Kwikset 800CE Lockset (Deadbolt and Deadbolt Latch):** One (1) required
    - **Deadbolt strike plate:** secure with four (4) No. 10 x 3" bugle head screws
    - **Latch strike plate:** secure with two (2) No. 8 x 1-1/2" bugle head screws
  - **Kwikset 687DA Lockset (Deadbolt and Deadbolt Latch):** One (1) required
    - **Deadbolt strike plate:** secure with two (2) No. 8 x 3" bugle head screws
    - **Latch strike plate:** secure with two (2) No. 8 x 1-1/2" bugle head screws
- **Hinges:** Four (4) required; secure to the door panel with three (3) No. 10 x 1" bugle head screws and one (1) No. 10 x 2" bugle head screws. Secure to the door jamb with two (2) No. 10 x 1" bugle head screws and two (2) No. 10 x 2-1/2" bugle head screws.

**System 3:**

- **Kwikset 800 CE Lockset (Deadbolt and Deadbolt Latch):** One (1) required
  - **Deadbolt strike plate:** secure with four (4) No. 10 x 3" bugle head screws
  - **Latch strike plate:** secure with two (2) No. 8 x 1-1/2" bugle head screws
  - **Steel security strike plate:** Dimensions: 0.035" x 3-1/2" x 4"; secure to the backside of the lock jamb in line with the deadbolt; secure with three (3) No. 8 x 5/8" pan head screws
- **Hinges:** Four (4) hinges; secure to the door panel with four No. 10 x 1" bugle head screws, secure to the door frame with three No. 10 x 1" and one No. 10 x 2-1/2" bugle head screws.

**System 4:**

- **Kwikset 800 CE Lockset (Deadbolt and Deadbolt Latch):** One (1) required
  - **Deadbolt and Latch strike plate:** secure with two (2) No. 8 x 2" Phillips bugle head screws
- **SGS Hinges:** Eight (8) required, four (4) per door panel; secure to the door panel with two (2) No. 10 x 1" and two (2) No. 10 x 3" bugle head screws; secure to the door jamb with two (2) No. 10 x 1 and two (2) No. 10 x 2-1/2" bugle head screws.
- **Flush Bolts (Cal-Royal ULFB634-US10B):** Two (2) required; secure to the passive door leaf with four (4) No. 8 x 3/4" bugle head screws
- **Flush bolt strike plate:** One (1) required; secure with two (2) No. 8 x 3" bugle head screws.
- **Surface Bolts (Deltana 12SB26D):** Four (4) required; secure with two (2) No. 8 x 1-1/4" bugle head screws.
- **Surface Bolt strike plates:** Two (2) required; secure with three (3) No. 6 x 2" bugle head screws.

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

System		
1	Certification agency	NAMI
	Manufacturer's name or code name	Hoelscher Weatherstrip Mfg. Company
	Product name	3068 Knotty Alder 3/4 Lite Glazed Inswing Wood Door
	Test standards	ASTM E330/E330M-14
2-3	Certification agency	NAMI
	Manufacturer's name or code name	Hoelscher Weatherstrip Mfg. Company
	Product name	Knotty Alder 3/4" Lite Glazed Inswing Wood Entrance Door
	Test standards	ASTM E330-02
4	Certification agency	NAMI
	Manufacturer's name or code name	Hoelscher Weatherstrip Mfg. Company
	Product name	6080 3/4 Lite Knotty Alder Glazed Double Entrance Doors
	Test standards	ASTM E330-02

**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:****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 minimum No. 8 bugle head screws. Along the jambs, locate 2-1/2" screws approximately 3" from each end and spaced 12" on center. Along the head, locate 2-1/2" screws approximately 5" from each end and one at the midpoint. Along the threshold, locate 3" screws approximately 4" from each end and 10" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**System 2-3:**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door assembly is secured to the wall framing using No. 10 x 2-1/2" bugle head screws. Along the hinge jamb, behind the weatherstrip, locate the screws approximately 3" from the outside corners, at each hinge, and at the midpoint of each hinge. Along the lock jamb, behind the weatherstrip, locate the screws approximately 3" from the outside corners and spaced 17" on center. Along the head and threshold, locate the screws approximately 3" from the outside corners and one at the midpoint. 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 minimum Spruce-Pine-Fir dimension lumber. The door assembly is secured to the wall framing using No. 10 x 2-1/2" Phillips bugle head screws. Along the jambs, behind the weatherstrip, locate the screws approximately 1" from the inside frame corners with the remaining screws at the midpoint between the hinges. Along the head, behind the weatherstrip, locate the screws approximately 2" from the inside frame corners and 12" on center thereafter. Along the threshold, locate the screws approximately 5-1/2" from the inside frame corners and 13" on center thereafter. 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.