

Product Evaluation

DR507 | 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-507

Effective Date: October 1, 2023

Re-evaluation Date: December 2024

Product Name: Mahogany Wood 3/4" Lite Glazed Inswing Side Hinged Doors, Non-impact Resistant

Manufacturer: Hoelscher Weatherstrip Manufacturing Co., Inc.
1011 Houston Oaks Drive
Houston, TX 77064
(713) 869-6466

General Description:

System	Description	Design Pressure Rating
1	3080 Mahogany 3/4" Glazed Lite Inswing Single Door; X	+54 / -71 psf
2	6080 Mahogany 3/4" Glazed Lite Inswing Double Door; XX	+50 / -50 psf
3	3080 Mahogany 3/4" Glazed Lite Inswing Single Door w/ two Sidelites and Arched Transom; O/OXO	+50 / -50 psf
4	3680 Mahogany 3/4" Glazed Lite Inswing Single Door; X	+40 / -53 psf

Product Dimensions:

System	Overall Size	Door Panel Size	Door Glass Daylight Opening Size
1	37-1/2" x 97-3/4"	36" x 95"	20-5/8" x 66-1/16"
2	74-3/4" x 98-3/8"	36" x 96"	20-5/8" x 66"
3	68-1/2" x 134"	35-7/8" x 95-3/4"	20-5/8" x 66-1/8"
4	43-3/4" x 97-3/4"	42" x 95"	26-5/8" x 66-1/8"

Sidelites:

System	Sidelite Size	Sidelite Glass Daylight Opening Size
3	15-1/4" x 99-1/2"	8-3/4" x 66-1/8"

Transom:

System	Transom Size	Transom Glass Daylight Opening Size
3	68-1/2" x 34-1/2"	61-1/4" x 27-3/8"

Hardware -Hinges:

System 1: Four (4) required; secured to the door panel with three (3) No. 10 x 1" bugle head screws and one (1) No. 10 x 2" bugle head screw; secured 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.

Systems 2-3: Four (4) required per door panel; secured to the door panel with two (2) No. 10 x 1" bugle head screws and two (2) No. 10 x 3" bugle head screws; secured to the door jamb with two (2) No. 10 x 1" bugle head screws and two (2) No. 10 x 3" bugle head screws.

System 4: Four (4) required; secured to the door panel with three (3) No. 10 x 1" bugle head screws and one (1) No. 10 x 2" bugle head screw; secured to the door jamb with three (1) No. 10 x 1" bugle head screws and one (1) No. 10 x 2-1/2" bugle head screw.

Hardware – Deadbolts, Locksets, Surface Bolts, Flush Bolts, and Strike Plates:**System 1:**

- Schlage JH58 Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two (2) No. 8 x 3" bugle head screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two (2) No. 8 x 3/4" bugle head screws.
 - Steel security strike plate (0.035" x 3-1/2" x 4"). Secured to the lock jamb behind dead bolt with three (3) No. 8 x 5/8" bugle screws.

System 2:

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the stationary panel astragal with four (4) No. 8 x 1-1/2" bugle head screws.
 - Dead bolt latch strike plate: Secured to the stationary panel with two (2) No. 8 x 0.69" bugle head screws.
- Flush bolts; Two (2) required; Located on the stationary door leaf astragal at the top and the bottom.
 - Flush bolt strike plate; One (1) required; Located at the head and secured with two (2) No. 10 x 3" bugle head screws.
 - Flush bolt reinforcement guide plates; Two (2) required; Located at the top and bottom of the stationary locking stile and secured with two (2) No. 8 x 3/4" bugle head screws.
- Surface bolts; Two (2) required; Located at the interior locking stiles at the top and bottom.
 - Surface bolt strike plates: Two (2) required; Located at the head and secured with three (3) No. 8 x 3" bugle head screws.

System 3:

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two (2) No. 8 x 1-1/2" bugle head screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two (2) No. 8 x 0.69" bugle head screws.

System 4:

- Schlage JH58 Lockset (dead bolt and dead bolt latch) or Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two (2) No. 8 x 3" bugle head screws.
 - Dead bolt latch strike plate (Schlage only): Secured to the lock jamb with two (2) No. 8 x 3/4" bugle head screws.
 - Dead bolt latch strike plate (Kwikset only): Secured to the lock jamb with two (2) No. 8 x 1-1/2" bugle head screws.
 - Steel security strike plate (Schlage only): (0.035" x 3-1/2" x 4"); Secured to the lock jamb behind dead bolt with three (3) No. 8 x 5/8" bugle head screws.

Thresholds:

Systems 1, 4: Plastic and aluminum, adjustable with a sloped sill.

System 2: Aluminum, sloped sill with holes for flush and surface bolts

System 3: Aluminum, sloped sill

Product Identification (Certification Agency Label on Door):

System		
1, 4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Hoelscher Weatherstrip Mfg. Company
	Product Name	Mahogany 3/4" Lite Glazed Inswing Wood Entrance Door
	Test Standards	ASTM E 330-02
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Hoelscher Weatherstrip Mfg. Company
	Product Name	6080 3/4" Lite Mahogany Glazed Double Entrance Door
	Test Standards	ASTM E 330-02
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Hoelscher Weatherstrip Mfg. Company
	Product Name	3080 3/4" Lite Mahogany Glazed Entrance Door w/Sidelites & Transom
	Test Standards	ASTM E 330-02

Impact Resistance:

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

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Sidelites: Sidelites must only be used with doors. Sidelites must not be installed individually.

Transoms: Transoms must only be used with doors. Transoms must not be installed individually.

Installation:

Systems 1, 4: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door is secured to the wall framing in the following manner:

- Hinge Jamb (behind weatherstrip): Minimum No. 10 x 2-1/2" bugle head screws. Located 3" from outside corners, at each hinge (see hardware), and at the midpoint between each hinge.
- Lock Jamb (behind weatherstrip): Minimum No. 10 x 2-1/2" bugle head screws. Located 3" from outside corners and 17" on center.

- Head (behind weatherstrip): Minimum No. 10 x 2-1/2" bugle head screws. Located 3" from outside corners and one at the midpoint.
- Threshold (through aluminum): Minimum No. 10 x 2" bugle head screws. Located 3" from outside corners and one at the midpoint.

System 2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The door is secured to the wall framing in the following manner:

- Jambs (behind weatherstrip): Minimum No. 10 x 2-1/2" bugle head screws. Located 1" from inside frame corners and at the midpoint between each hinge.
- Head (behind weatherstrip): Minimum No. 10 x 2-1/2" bugle head screws. Located 2" from inside frame corners and 12" on center.
- Threshold (through aluminum): Minimum No. 10 x 2" bugle head screws. Located 5-1/2" from inside frame corners and 13" on center.

System 3: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The door is secured to the wall framing in the following manner:

- Sidelite Jambs: Minimum No. 8 x 3" bugle head screws. Located 2" from outside corners and 16" on center.
- Head of Transom: Minimum No. 8 x 3" bugle head screws. Three (3) total, one at the midpoint with the remaining two equally spaced.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC the IBC.