

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION
DR-507

Effective Date: November 1, 2011 (Revised April 1, 2014)
Reevaluation Date: **December 2016**

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.

Mahogany Wood Inswing Hinged Doors with Three Quarter Lite Glass, Non-Impact Resistant,
manufactured by

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

General Description:

System	Description	Design Pressure Rating
1	36 x 96 Mahogany 3/4 Lite Inswing Door, X	+40.60 psf / -53.20 psf
2	36 x 96 Mahogany 3/4 Lite Inswing Door, X	+54.80 psf / -71.30 psf
3	42 x 96 Mahogany 3/4 Lite Inswing Door, X	+40.60 psf / -53.20 psf
4	6080 Mahogany 3/4 Lite Inswing Door; XX	+50.00 psf / -50.00 psf
5	3080 Mahogany 3/4 Lite Inswing Door with Two Sidelites and Arched Transom	+50.00 psf / -50.00 psf

Product Dimensions:

System	Overall Size	Panel Size	Glass Daylight Opening Size
1	37.5" x 97.75"	36.00" x 95.00"	20.63" x 66.06"
2	37.5" x 97.75"	36.00" x 95.00"	20.63" x 66.06"
3	43.75" x 97.75"	42.00" x 95.00"	26.63" x 66.13"
4	74.75" x 98.38"	Two: 36.00" x 96.00"	20.56" x 66.00"

Product Dimensions:

System 5:
Overall Dimensions: 68.50" x 134.00"

Door:

System	Door Size	Panel Size	Glass Daylight Opening Size
5	37.88" x 99.50"	35.88" x 95.75"	20.56" x 66.13"

Sidelite:

System	Sidelite Size	Glass Daylight Opening Size
5	15.25" x 99.50"	8.75" x 66.13"

Transom:

System	Transom Size	Glass Daylight Opening Size
5	68.50" x 34.50"	61.25" x 27.38"

Hardware:

Hinges:

- Hinges (System 1, 2); Four required; Secured to the door panel with three No. 10 x 1" screws and one No. 10 x 2" screw. Secured to the door jamb with two No. 10 x 1" screws and two No. 10 x 2.5" screws.
- Hinges (System 3); Four required; Secured to the door panel with three No. 10 x 1" screws and one No. 10 x 2" screw. Secured to the door jamb with three No. 10 x 1" screws and one No. 10 x 2.5" screw.
- Hinges (Systems 4, 5); Four required per door panel; Secured to the door panel with two
- No. 10 x 1" screws and two No. 10 x 3" screws. Secured to the door jamb with two No. 10 x 1" screws and two No. 10 x 3" screws.

Dead bolt and locksets:

System 1 (One of the following):

- Schlage JH58 Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 0.75" screws.
- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with four No. 10 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.
- Kwikset 687DA Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.

System 2:

- Schlage JH58 Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 0.75" screws.
 - Steel security strike plate (0.035" x 3.50" x 4.00"). Secured to the lock jamb behind dead bolt with three No. 8 x 0.63" screws

System 3 (One of the following):

- Schlage JH58 Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 0.75" screws.
 - Steel security strike plate (0.035" x 3.50" x 4.00"). Secured to the lock jamb behind dead bolt with three No. 8 x 0.63" screws
- Kwikset 687DA Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 3" screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 1.50" screws.

System 4:

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the stationary panel astragal with four No. 8 x 1.5” screws.
 - Dead bolt latch strike plate: Secured to the stationary panel with two No. 8 x 0.69” screws.
- Flush bolts; Two required; Located on the stationary door leaf astragal at the top and the bottom.
 - Flush bolt strike plate; One required; Located at the head and secured with two No. 10 x 3” screws
 - Flush bolt reinforcement guide plates; Two required; Located at the top and bottom of the stationary locking stile and two No. 8 x 0.75” screws.
- Surface bolts; Two required; Located at the interior locking stiles at the top and bottom.
 - Surface bolt strike plates: Two required; Located at the head and secured with three No. 8 x 3” screws.

System 5:

- Kwikset 800CE Lockset (dead bolt and dead bolt latch).
 - Dead bolt strike plate: Secured to the lock jamb with two No. 8 x 1.5” screws.
 - Dead bolt latch strike plate: Secured to the lock jamb with two No. 8 x 0.69” screws.

Thresholds:

Systems 1, 2: Plastic and aluminum, adjustable with a sloped sill.

System 3: Plastic, composite, and aluminum, sloped sill.

System 4: Aluminum, sloped sill with holes for flush and surface bolts

System 5: Aluminum, sloped sill

Product Identification (Manufacturer Label on Door):

System		
1, 2	Manufacturer	Hoelscher Weatherstrip
	Product Name	36” x 96” Mahogany 3/4 Lite Inswing Single Door
	Test Standards	ASTM E 330
3	Manufacturer	Hoelscher Weatherstrip
	Product Name	42” x 96” Mahogany 3/4 Lite Inswing Single Door with Steel Security Plate on Lockside Jamb
	Test Standards	ASTM E 330
4	Certification Agency	NAMI
	Manufacturer	Hoelscher Weatherstrip Mfg Company
	Product Name	6080 3/4 Lite Mahogany Glazed Double Entrance Doors
	Test Standards	ASTM E 330
5	Certification Agency	NAMI
	Manufacturer	Hoelscher Weatherstrip Mfg Company
	Product Name	3080 3/4 Lite Mahogany Glazed Entrance Door w/Sidelites & Transom
	Test Standards	ASTM E 330

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

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

Sidelites and Transoms: Sidelites and transoms shall only be used with doors. Sidelites and transoms shall not be installed alone.

Installation:

Systems 1, 2: The wood wall framing members shall 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 2.5" screws. Located 3 inches from outside corners, at each hinge (see hardware), and at the midpoint between each hinge.
- Lock Jamb (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and 17 inches on center.
- Head (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and one at the midpoint.
- Threshold (through aluminum): Minimum No. 10 x 2" screws. Located 3 inches from outside corners and one at the midpoint.

System 3: The wood wall framing members shall 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 2.5" screws. Located 3 inches from outside corners, at each hinge (see hardware), and at the midpoint between each hinge.
- Lock Jamb (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and 17 inches on center.
- Head (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 3 inches from outside corners and one at the midpoint.

System 4: The wood wall framing members shall 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 2.5" screws. Located 1 inch from inside frame corners and at the midpoint between each hinge.
- Head (behind weatherstrip): Minimum No. 10 x 2.5" screws. Located 2 inches from inside frame corners and 12 inches on center.
- Threshold (through aluminum): Minimum No. 10 x 2" screws. Located 5.5 inches from inside frame corners and 13 inches on center.

System 5: The wood wall framing members shall 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” screws. Located 2 inches from outside corners and 16 inches on center.
- Head of Transom: Minimum No. 8 x 3” screws. Three total, one at the midpoint with the remaining two equally spaced.

Note: The manufacturer’s installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.