TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective January 1, 2007
DR-238

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 shall be subject to reevaluation 3 years after the effective date.

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.

Glazed Single Doors with Sidelites and Half Round Transom, Non-impact Resistant, manufactured by

Glass Craft Door Company
2002 Brittmoore Rd.
Houston, Texas 77043-2209
(800) 766-2196

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The wood entry doors evaluated in this report are non-impact resistant. This product evaluation report is for wood inswing and outswing entry doors based on the following tested construction:

General Description:

System	Description	Label Rating
1 & 2	Wood Entry Doors – Inswing & Outswing O OXO	5'-8" x 11'-2" DP: +36.2, -45.7 psf

Door Dimensions:

System	Door Panel Sizes Active	Daylight Opening Glass Size
1 & 2	36" x 96"	21 5/8" x 67"

Sidelite Dimensions:

System	Overall Size	Panel Size	Daylight Opening Glass Size
1 & 2	15 3/4" x 100 3/4"	14" x 96"	10" x 67"

PRODUCT DESCRIPTION (Continued)

Transom Dimensions:

System	Overall Transom Size	Panel Size	Daylight Opening Glass Size
1 & 2	74 1/8" x 37 5/8"	72 3/8" x 36"	67 3/4" x 31 3/8"

Glazing Description:

System	Glass Construction [1]	Glazing Method [2]
1 & 2	IG-1	GM-1

Note: [1] See the "Glass Description Key" for the glass construction.
[2] See the "Glazing Method Key" for the glazing method description.

Glass Description Key:

IG-1: All glass assemblies are constructed with 3/4" thick insulated glass. The insulating glass units are comprised of one lite of 1/8" thick fully tempered glass on the exterior, 1/2" aluminum spacer system, and 1/8" thick tempered decorative textured glass on the interior.

Glazing Method Key:

GM-1: All glass assemblies are interior glazed with double-sided butyl tape and a wood glazing bead secured by 1" x 0.040" x 0.050" rectangular shank 0.050" x 0.080" head brad nails (18 gauge brad nail) 1" from each corner and spaced 6" o.c. thereafter.

Door Frame Construction: The door frame is constructed of 4 5/8" by 1 1/4" hardwood head and jambs, and 3 5/8" x 2 5/8" mullions and included an adjustable extruded aluminum and composite threshold. The head and jambs are kerfed to accept the weatherstripping. The corners are coped, butted and secured with two #8 x 1 1/2" and five #8 x 3" screws at the threshold; and four #8 x 1 1/2" and two #8 x 3" screws at the head. The mullions are attached with five #8 x 3" screws through the head and threshold.

Door Panel Construction: All panels are constructed of 1 3/4" thick hardwood and utilize a glued cove and bead joint reinforced with 1/2" diameter by 4 1/2" long wood dowels. Two dowels are located at the top and middle rail to stile joint, and four dowels were located at the bottom rail to stile joint.

Transom Frame Construction: The frame is constructed of 4 1/2" by 3/4" hardwood. The corners are secured with two #8 x 3" screws.

Transom Panel Construction: The transom panel is constructed of 1 3/4" thick hardwood and utilizes a glued cove and bead joint. Two #8 x 3" long screws are located at each stile to rail joint. The panel is secured to the frame with seven #8 x 3" long screws located 3" from each corner and in the center across the sill and with 1/2" quarter round trim fastened by 1 1/4" x 0.040" x 0.050" rectangular shank 0.050" x 0.080" head brad nails (18 gauge brad nail) located 1" from each corner and spaced 6" o.c. The transom is attached to the head of the door with six #8 x 1 1/2" long screws, one located 3" from each corner of the head/sill and spaced 13" o.c. across the head/sill.

PRODUCT DESCRIPTION (Continued)

Sidelite Panel Construction: The sidelite panel is constructed of 1 ¾" thick hardwood and utilizes a glued cove and bead joint, reinforced with #8 x 3" screws. Two #8 x 3" long screws are located at each stile to top rail and stile to lock rail joints. Four screws are located at the stile to bottom rail joints. The sidelite is secured to the mullion with eight #8 x 3" screws, 5" from the ends of the mullion and spaced 5" o.c. thereafter. The sidelite is secured to the frame with eight #8 x 3" long screws located 5" from the ends of the jambs and spaced 12" o.c. thereafter. Additional fastening is proved by the ½" quarter round trim fastened by 1 ¼" x 0.040" x 0.050" rectangular shank 0.050" x 0.080" head brad nails (18 gauge brad nail) located 1" from each corner and spaced 6" o.c.

Hardware:

Description	Quantity	Location
Schlage Series F-300 single point lockset	1	36" from the bottom of the door leaf
Schlage Series F-300 dead-bolt	1	41 ⅝" from the bottom of the door leaf
4" x 4" steel butt hinge	4	Spaced at 9 ⅛", 34 ½", 59 ½" and 84 ¾" from top jamb inside corner.
Surface bolt	2	Top and bottom of inactive leaf

Product Identification: A manufacturer's label will be affixed to the assembly. The label includes the manufacturer's name; product name; performance characteristics for ASTM E 330; and maximum size of tested unit.

LIMITATIONS

Design pressures (DP):

System	Maximum Overall Width	Maximum Overall Height Including Transom	Design Pressure (psf)
1 & 2	5'-8"	11'-2"	+36.2, -45.7

Impact Resistance: These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These door assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

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

INSTALLATION INSTRUCTIONS

General: The door assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

INSTALLATION INSTRUCTIONS (Continued)

Installation: The door assembly shall be fastened to minimum Southern Yellow Pine lumber wall framing in accordance with this product evaluation report. The door assembly shall be secured to the wall framing as follows:

Door Frame (All systems):

Door jambs to frame: (24 total), two, #8 x 3" long wood screws located at 6" from each corner and spaced 24" o.c. thereafter.

Transom to frame: (7 total), one #8 x 3" long screw located 3" from each corner of the transom and the remaining fasteners spaced 16" o.c. around the arch. The fasteners must be secured to 2x framing members.

Hinges (All Systems):

Hinge to jamb – (2) #8 x 3" long wood screws and (2) #8 x 1" long wood screws.

Hinge to door – (4) #8 x 3" long wood screws

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.