



Product Evaluation

DR497 | 0515

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-497

Effective Date: May 1 2015

Re-evaluation Date: May 2019

Product Name: Partner 21A Steel Glazed Outswing Hinged Doors, Non-Impact Resistant

Manufacturer: A. J. Manufacturing, Inc.
1217 Oak Street
Bloomer, WI 54724
(715) 568-2204

General Description:

System	Description	Design Pressure Rating
1	Partner 21A Steel Glazed Outswing Hinged Doors	+50 / -43 psf

Product Dimensions:

System	Overall Size	Door Panel Size	Door Panel Glass Daylight Opening Size
1	38-9/16" x 80-7/8"	35-3/4" x 79"	21" x 35"

Hardware:

- 4 1/2" x 4" butt hinges; A.J. Manufacturing, three (3) required; Each hinge is secured to the door panel with three (3) No. 12-24 x 3/8" screws. Each hinge is secured to the door side jambs with three (3) screws, two (2) No. 12-24 x 3/8" screws utilized at the outermost holes and one (1) No. 10 x 3-1/2" screw utilized in the middle hole to secure the door to the wall framing.
- Lockset handle/knob; Tell Manufacturing RE3100 Grade 2 entry lock; one (1) required.

Hardware (continued):

- Lockset strike plate; Two (2) No. 10 x 3-1/2" screws secure the strike plate through the door frame jamb and into the wall framing.
- Deadbolt; Tell Manufacturing LI 1310, Grade 2 deadbolt; one (1) required.
- Deadbolt strike plate; Two (2) No. 10 x 3-1/2" screws secure the strike plate through the door frame jamb and into the wall framing.

Threshold: Extruded aluminum sill; 0.462" high

Product Identification (Manufacturer Label on Door):

System		
1	Manufacturer's Name	A.J. Manufacturing, Inc.
	Product Name	Partner 21A Steel Glazed Outswing Doors
	Test Standards	ASTM E 330-02

Impact Resistance:

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

Installation:

System		
1	Type of Installation	Frame
	Wall Framing	Southern Yellow Pine Dimension lumber
	Fasteners	Minimum No. 10 x 3-1/2" screws
	Fastener Location/Spacing	Side Jamb: Approximately 4" from each corner and 16" on center.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.