

## Product Evaluation

DR425 | 0828

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-425

**Effective Date:** August 1, 2020

**Re-evaluation Date:** August 2024

**Product Name:** 6'-8" Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Singles and Doubles, with or without Sidelites, Impact Resistant

**Manufacturer:** Steves and Sons  
203 Humble Avenue  
San Antonio, TX 78225  
(210) 924-0470

### General Description:

| System | Description   | Label Rating   | Drawing Number |
|--------|---|--|----------------|
| 1      | 3'-0" x 6'-8" Single Door (X)   | Inswing: +45 / -50 psf<br>Outswing: +50 / -50 psf<br>Missile Level D | TX-4086        |
| 2      | 3'-0" x 6'-8" Single Door w/ Sidelite & Combination Reinforced Mullion (OX, XO) | Inswing: +45 / -50 psf<br>Outswing: +50 / -50 psf<br>Missile Level D | TX-4086        |
| 3      | 3'-0" x 6'-8" Single Door w/ Sidelites & Combination Reinforced Mullions (OXO)  | Inswing: +45 / -50 psf<br>Outswing: +50 / -50 psf<br>Missile Level D | TX-4086        |
| 4      | 6'-0" x 6'-8" Double Door (XX)  | Inswing: +45 / -50 psf<br>Outswing: +50 / -50 psf<br>Missile Level D | TX-4087        |



**General Description (continued):**

| System | Description   | Label Rating   | Drawing Number |
|--------|---|--|----------------|
| 5      | 6'-0" x 6'-8" Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO) | Inswing: +45 / -50 psf<br>Outswing: +50 / -50 psf<br>Missile Level D | TX-4087        |

**Product Dimensions:**

| System | Overall Size   | Operable Panel Size | Maximum Panel Daylight Opening Size |
|--------|--|---------------------|-------------------------------------|
| 1      | Inswing: 37.50" x 82"<br>Outswing: 37.50" x 81.25"   | 35.75" x 79.50"     | 20.63" x 62.75"                     |
| 2      | Inswing: 76.25" x 82"<br>Outswing: 76.25" x 81.25"   | 35.75" x 79.50"     | Door & Sidelite:<br>20.63" x 62.75" |
| 3      | Inswing: 115" x 82"<br>Outswing: 115" x 81.25"       | 35.75" x 79.50"     | Door & Sidelite:<br>20.63" x 62.75" |
| 4      | Inswing: 74" x 82"<br>Outswing: 74" x 81.25"         | 35.75" x 79.50"     | 20.63" x 62.75"                     |
| 5      | Inswing: 151.50" x 82"<br>Outswing: 151.50" x 81.25" | 35.75" x 79.50"     | Door & Sidelite:<br>20.63" x 62.75" |

**Components and Hardware:**

| System | Component  | Quantity | Attachment Method   |
|--------|--|----------|---|
| 1-5    | Hinges   | 3        | Install in accordance with Steves & Sons drawings No. TX-4086 and TX-4087, dated April 13, 2010. Revision 2 dated May 28, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 1, 2020. |
|        | Lock: Kwikset 200 Series<br>Deadbolt: Kwikset 600 Series | 1 each   |   |
|        | Latch & Deadbolt strike plate                            | 1 each   |   |

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

| System |                      |  |
|--------|----------------------|--|
| 1-3    | Certification agency | Self-labeled   |
|        | Manufacturer's name  | Steves & Sons  |
|        | Product name         | Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles w/ or w/out Sidelites |
|        | Test standards       | ASTM E330-14/E1886-13a/E1996-14a<br>Missile Level D  |

**Product Identification (Manufacturer Label on Door)-continued:**

| System |                      |  |
|--------|----------------------|--|
| 4-5    | Certification agency | Self-labeled   |
|        | Manufacturer's name  | Steves & Sons  |
|        | Product name         | Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles w/ or w/out Sidelites |
|        | Test standards       | ASTM E330-14/E1886-13a/E1996-14a<br>Missile Level D  |

**Impact Resistance:**

| System | Impact Resistant | Requirement   |
|--------|------------------|---|
| 1-5    | Yes              | These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies. |

**Installation:**

| System |                           |   |
|--------|---------------------------|---|
| 1-5    | Type of installation      | Install in accordance with Steves & Sons drawings No. TX-4086 and TX-4087, dated April 13, 2010. Revision 2 dated May 28, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 1, 2020. |
|        | Wall framing              |   |
|        | Fasteners                 |   |
|        | Fastener location/spacing |   |
|        | Fastener penetration      |   |

**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.