

## Product Evaluation

GDR60 | 1020

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:** GDR-60

**Effective date:** October 1, 2020

**Re-evaluation Date:** October 2024

**Product name:** Models WD-9, WD-10, WD-16, and WD-18 Sectional Wood Garage Doors, Non-impact Resistant

**Manufacturer:** Stewart Door, LTD  
17030 West Little York  
Houston, TX 77084  
(281) 859-9339

### General description:

**General:** The Model WD-9, WD-10, WD-16, and WD-18 doors are wood sectional overhead doors. The door sections are constructed of 1" thick pine framing around the perimeter and at the hinge locations with a 1" foam core between the framing, 0.125" hardboard skin on either side, and a 0.625" thick tongue and groove cedar planking on the exterior side.

**Reinforcement:** The WD-9 and the WD-10 door sections are reinforced with 20-gauge, 3" galvanized steel struts. The WD-16 door sections are reinforced with 16-gauge 3" galvanized steel struts. The WD-18 door sections are reinforced with 16-gauge 6" galvanized steel C-channels with straps.

**Product identification:** The garage door will have a label affixed. The label must include the manufacturer's name (Stewart Door, Ltd), drawing reference, the allowable design pressure rating, the TDI Evaluation Report number, and test standards (ANSI/DASMA 108-5 and ASTM E 330-2).

### Limitations

- The doors are non-impact resistant.
- The door sections do not include glazing.
- The maximum width of each door section must not exceed 24".
- The doors must have a minimum height of 7'-0" and a maximum height of 8'-0".
- **Design Pressure Rating:** Specified in Table 1.
- **Allowable Dimensions:** Specified in Table 1.

**Impact Protection:** These doors do not require protection from windborne debris.

**Table 1:** Door Assemblies

Model Number	Door Width (Max.)	Door Height (Max.)	Drawing Number	Design Pressure (psf)	Horizontal Reinforcing	Glazing Permitted
WD-9	9'-0"	8'-0"	WD-9	± 35	20-Gauge, 3" Strut	No
WD-10	10'-0"	8'-0"	WD-10	± 35	20-Gauge, 3" Strut	No
WD-16	16'-0"	8'-0"	WD-16	± 35	16-Gauge, 3" Strut	No
WD-18	18'-0"	8'-0"	WD-18	± 35	16-Gauge, 6" CEE	No

### Installation instructions:

**General:** Doors must be installed according to the appropriate design drawing specified for the particular model door shown in Table 1. The doors shown in the Table 1 must be attached directly to a 2x6 Southern Yellow Pine wood face jamb using steel track brackets. The wood face jamb must be attached to the structure using the type and number of fasteners shown in the details on the above referenced design drawings.

**Design drawings:** The doors must be installed as specified on the design drawings. The design drawings include the model number and the design pressure rating for the door. The design drawings must be provided with the door. The design drawings must be signed, sealed, and dated 6-15-2020 by Brandon Jasek, P.E.

**Attachment of doors to wall framing:** Track brackets for the vertical tracks must be attached directly to a Southern Yellow Pine 2x6 wood face jamb with the fasteners specified on the design drawings. The wood face jamb must be anchored to wood wall framing as specified on the design drawings.

**Note:** The manufacturer's installation instructions and design drawings must be available on the job site during installation. All fasteners must be corrosion resistant as specified in the IRC and the IBC.