



Product Evaluation

GDR99 | 1114

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-99

Effective Date: November 1, 2014

Re-evaluation Date: October 2018

Product Name: Model 980 Sectional Steel Garage Doors, Non-impact Resistant

Manufacturer: Overhead Door Corporation
2501 S. State Hwy 121 Bus, Suite 220
Lewisville, TX 75067
(800) 275-3920

General Description:

Model 980 doors are sectional overhead garage doors insulated with a foamed in place polyurethane foam. The foam insulation is chemically bonded to an exterior .070" minimum fiberglass facer and a minimum 27-gauge steel backer with a contemporary wood grain texture finish and two coats of polyester paint. Each pinch resistant tongue and groove section is reinforced with a 5", 25-gauge, 80 ksi continuous steel backup plate across the top of each section and connected together with 15-gauge low profile pinch resistant hinges.

Product Identification: The door has a warranty/warning label applied during manufacturing that includes the manufacturers name and the Series/Model number for the garage door. The door will also have a second label, applied by the installer that includes the manufacturers name and the design pressure rating for the door.

Limitations:

- The doors are non-impact resistant
- All door options can include glazing
- The maximum height of each door section must not exceed 28"
- The doors must have a maximum width of 16'

Limitations (Continued):

- The doors shall have a maximum height of 10'
- The doors are reinforced with 18 gauge or 20 gauge steel U-bars, and in some cases, a vertical wind load post is required to obtain the design pressure rating. The design drawings show the placement and installation of the reinforcement (Drawing part number).
- **Design drawings (Windload Specification Option Code):** Specified in Table 1
- **Allowable dimensions:** Specified in Table 1
- **Design pressures:** Table 1
- **Glazing:** Glass is DSB (0.120" thick) annealed monolithic. The glass units are screwed into the door sections. For the vertical raised panel, the dimensions of the glass must not exceed 11.375" width by 16.25" high, and for the horizontal raised panel, the dimensions of the glass must not exceed 24.375" width by 6.5" high.
- **Impact protection:** These doors have not been tested for windborne debris resistance. Do not install doors that contain glazing in the Inland I zone without protection from an impact protective system. Provide an impact protective system to all doors installed in the Seaward zone.

Table 1 :Windload Specification Option Code, Allowable Door Dimensions, Glazing Options and Design Pressure Rating

Drawing Part Number	Maximum Door Width	Maximum Door Height	Glass Option	Vertical Windload Post	Design Pressure (psf)
411357; 2 pages	9'-0"	10'-0"	Yes	No	+22.9, -26.3
411358; 2 pages	9'-0"	10'-0"	Yes	No	+31.2, -35.8
411359; 2 pages	9'-0"	10'-0"	Yes	No	+41, -46.3
411361; 2 pages	16'-0"	10'-0"	Yes	No	+23, -25
411362; 2 pages	16'-0"	8'-0"	Yes	Yes	+34.4, -38.3

Installation Instructions:

Design Drawings (Drawing Part Number): Install the doors as specified on the design drawings. The manufacturer will provide the design drawings with the door. John E. Scates, PE will sign and sealed each page of the design drawings and date it September 4, 2014. Provide the following information within a box located on each page of the design drawings:

- Wind Load Specification Option Code
- Series Number 980
- Design Pressures Rating
- Maximum Width and Maximum Height

Attachment of Doors to Wall (Use One of the Following Methods):

- **Attachment of Door Components to Wood-Framed Walls Using a Wood Jamb:** Attach brackets for the vertical tracks and for the flag angles of the door directly to wood jambs with the fasteners specified on the design drawings. The Jamb Connection Supplement, Drawing Number 411241, Rev. P5, signed and sealed on September 4, 2014 by John E. Scates, P.E. specifies the wood jambs and the attachment of the to the wood-framed walls.
- **Attachment of Door Components to Concrete/Masonry Block Walls Using a Wood Jamb:** Attach brackets for the vertical tracks and for the flag angles of the door directly to wood jambs with the fasteners specified on the design drawings. The Jamb Connection Supplement, Drawing Number 411241, Rev. P5, signed and sealed on September 4, 2014 by John E. Scates, P.E. specify the wood jambs and the attachment of the to the wood-framed walls.

Attachment of Doors to Wall:

- **Attachment of Door Components Using Direct Mount Method:** Attach brackets for the vertical tracks and for the flag angles of the door directly to the door jamb framing in accordance with Jamb Connection Supplement, Drawing Number 411241, Rev. P5, signed and sealed on September 4, 2014 by John E. Scates, P.E.

Note: Maintain the manufacturer's installation instructions, the appropriate Windload Specification Option Code design drawing, the Jamb Connection Supplement, and the Wayne Dalton Jamb Bracket Direct Mount Details on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.