

Product Evaluation

GDR99 | 0522

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: May 1, 2022

Re-evaluation Date: May 2026

Product Name: Model 980 and Model 7800 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 0.070" 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.

The Model 7800 doors are a newer designation for the same product.

Product Identification: The door has a wind load label, applied by the installer, which includes the manufacturer's name (Overhead Door); the model number; the drawing number; the design pressure rating; and the test standards (ANSI/DASMA 108).

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 have a maximum width of 16'.

The doors 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 (0.125" thick) annealed monolithic. Each glazing lite is screwed to the door face with fasteners. Refer to the design drawings for the attachment requirements. The maximum daylight opening of the glazing is specified on the design drawings.

Impact Protection: These doors have not been tested for windborne debris resistance. Doors with glazing will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Table 1: Non-Impact Resistant Doors

Drawing Part Number	Maximum Door Width	Maximum Door Height	Glass Option	Vertical Windload Post	Design Pressure (psf)
411357 Rev C; 12-8-21 Sealed 4-22-22	9'-0"	10'-0"	Yes	No	+22.9, -26.3
411358 Rev C; 12-08-21 Sealed 4-22-22	9'-0"	10'-0"	Yes	No	+31.2, -35.8
411359 Rev C; 12-08-21 Sealed 4-22-22	9'-0"	10'-0"	Yes	No	+41, -46.3

Table 1: Non-Impact Resistant Doors

Drawing Part Number	Maximum Door Width	Maximum Door Height	Glass Option	Vertical Windload Post	Design Pressure (psf)
411361 Rev C; 12-08-21 Sealed 4-22-22	16'-0"	10'-0"	Yes	No	+23, -25
411362 Rev C; 12-08-21 Sealed 4-22-22	16'-0"	8'-0"	Yes	Yes	+34.4, -38.3

Installation:

Design Drawings: The doors must be installed as specified on the design drawings. The design drawings are provided with the door. The drawings are signed and sealed by John Scates, PE. The seal date is specified in Table 1.

Attachment of Doors to Walls (Use one of the following methods):

Attachment of Door Components to Wood-Framed Walls Using a Wood Jamb: Brackets for the vertical tracks and for the flag angles of the door must be attached directly to wood jambs with the fasteners specified on the design drawings. The wood jambs and the attachment of the wood jambs to the wood framed walls must be as specified in the Jamb Connection Supplement, Drawing Number 411526, Rev P01, signed and sealed on April 26, 2021, by John Scates, P.E.

Attachment of Door Components to Concrete/Masonry Block Walls Using a Wood Jamb:

Brackets for the vertical tracks and for the flag angles of the door shall be attached directly to wood jambs with the fasteners specified on the design drawings. The wood jambs and the attachment of the wood jambs to the concrete/masonry block walls must be as specified in the Jamb Connection Supplement, Drawing Number 411526, Rev 01, signed and sealed on April 26, 2021, by John Scates, P.E.

Attachment of Door Components to Using Direct Mount Method: Brackets for the vertical tracks and for the flag angles of the door must be attached directly to the wall framing in accordance with the Jamb Connection Supplement, Drawing Number 411526, Rev 01, signed and sealed on April 26, 2021, by John Scates, P.E.

Commercial Track Supplement (Available for all Doors): Doors may be secured to the wall framing of the structure in accordance with the Track Supplement Chart, Drawing No. 307494, Rev. P12, signed and sealed on December 1, 2020, by Dwayne J. Kornish, P.E. Design pressure rating and maximum door width may be limited by this supplement.

Note: The manufacturer's installation instructions, the appropriate Windload Specification Option Code design drawing, the Jamb Connection Supplement, and the Track Supplement Chart must be available on the job site during installation. All fasteners must be corrosion resistant as specified in the IRC and the IBC.