

Product Evaluation

GDR51 | 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-51

Effective Date:

May 1, 2022

Re-evaluation Date:

May 2026

Product Name: Model 9800 Sectional Steel Garage Doors, Non-impact Resistant

Manufacturer: Wayne-Dalton Corporation

3395 Addison Drive

Pensacola, FL 32514

(850) 474-9890

One Door Drive

P.O. Box 67

Mt. Hope, Ohio 44660

(330) 763-8000

General Description:

Model 9800 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 windload label, applied by the installer, which includes the manufacturer's name (Wayne Dalton), the model number of the door, the drawing number, the design pressure rating, and the test standards (ANSI/DASMA 108).

Limitations:

The doors are non-impact resistant.

The doors include optional 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'.

Refer to Table 1 in this evaluation report for allowable door heights and door widths for specific doors.

The doors are reinforced with either 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 (Windload Specification Option Code). Doors that require the vertical post include instructions on the drawing for installing the vertical post.

Design Drawings (Windload Specification Option Code): Specified in Table 1.

Allowable Dimensions: Specified in Table 1.

Design Pressures: Specified in Table 1.

Louvers: Louvers are available not permitted.

Glazing: Glass is DSB (nominal 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 that contain glazing will require protection with an impact protective system when installed in areas where windborne debris protection is required.

Table 1: Non-Impact Resistant Doors

Windload Specification Option Code	Drawing Number	Maximum Size		Design Pressure (PSF)	Vertical Windload Post
		Width	Height		
1200	327931 Rev E 12-08-2021 Sealed 04-05-2022	9'-0"	10'-0"	+22.9; -26.3	No
1201	327932 Rev E 12-08-2021 Sealed 04-05-2022	9'-0"	10'-0"	+31.2; -35.8	No
1202	327933 Rev E 12-08-2021 Sealed 04-05-2022	9'-0"	10'-0"	+41.0; -46.3	No
1221	327935 Rev E 12-08-2021 Sealed 04-05-2022	16'-0"	10'-0"	+23.0; -25.0	No
1222	327943 Rev F 12-08-2021 Sealed 04-05-2022	16'-0"	8'-0"	+34.4; -38.3	Yes

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 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 wood framed walls must be as specified in the Jamb Connection Supplement, Drawing Number 363342, Rev P01, signed and sealed on April 26, 2021, by John E. 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 shall be as specified in the Jamb Connection Supplement, Drawing Number 363342, Rev P01, signed and sealed on April 26, 2021, by John E. 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 shall be attached directly to the wall framing in accordance with the Jamb Connection Supplement, Drawing Number 363342, Rev P01, signed and sealed on April 26, 2021, by John E. Scates, P.E.

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