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Product Evaluation

GDR29 | 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-29

Effective Date: May 1, 2022
Re-evaluation Date: May 2026

Product Name: Model 9510 and 9700 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:
Models 9510 and 9700 doors are sectional overhead garage doors insulated with a foamed in place polyurethane foam. The exterior steel skin is 27-gauge. The interior steel skin is 30-gauge. This evaluation report includes the following:

Model 9700
- Sandwich-style, sectional doors.
- Steel interior and exterior skins.
- 1-5/8" thick door sections at the end stiles.
- 1/2"-deep emboss appearance with decorative trim.
- 2" track and rollers standard.
- Wood-grain finish on the inside and outside skins.
- Steel end stiles and hinges.

Model 9510
- Sandwich-style, sectional doors.
- Steel interior and exterior skins.
- 1-5/8" thick door sections at the end stiles.
- Embossed panels on the exterior skin.
- 2" track and rollers standard.
- Wood-grain finish on the inside and outside skins.
- Steel end stiles and hinges.

The following applies to all doors.
- Horizontal reinforcement must comply with the requirements on each drawing.
- End Hinges: Factory attached to the lower portion of each joint, consisting of 14/15-gauge galvanized steel hinges, low profile as shown on the drawing.
- Intermediate Hinges: 15-gauge galvanized steel hinges, low profile.
- Locks: Slide locks required if not attached to a drawbar (residential) door operator.
- End Caps: 20-gauge minimum galvanized steel.
- Tracks: Vertical tracks are 2" x minimum 16-gauge galvanized steel. Refer to drawings for specifics.
- Jamb Brackets: 15-gauge galvanized steel with formed side walls for stiffness. Refer to the drawings for bracket quantity and locations.
- Rollers: 2" diameter, 10-ball steel rollers. Mix of long stem and short stem rollers, per drawings. Locking "push nuts" added to some roller stems as shown on the drawings.

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 18'-2".

The doors have a maximum height of 14'.

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

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 secured 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)
		Width	Height	
0502	313585 Rev H 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+22.9; -26.3
0503	313632 Rev H 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+22.9; -26.3
0504	313586 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+26.9; -30.8
0505	313613 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+26.9; -30.8
0506	313587 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+31.2; -35.8
0507	313633 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+31.2; -35.8
0508	318957 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+35.7; -41.0
0509	313612 Rev G 12-08-2021 Sealed 04-14-2022	9′-0″	14′-0″	+45.3; -51.2
0512	313626 Rev H 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+19.2; -22.0
0513	313635 Rev H 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+19.2; -22.0
0514	313627 Rev G 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+22.9; -26.3
0515	320503 Rev G 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+22.9; -26.3
0516	313628 Rev G 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+26.9; -30.8
0517	313637 Rev G 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+26.9; -30.8

Table 1: Non-Impact Resistant Doors

Windload Specification Option Code	Drawing Number	Maximum Size		Design Pressure (PSF)
		Width	Height	
0518	313614 Rev G 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+31.2; -35.8
0519	313638 Rev F 12-08-2021 Sealed 04-14-2022	10′-0″	14′-0″	+41.0; -46.3
0523	313623 Rev G 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+18.5; -20.7
0524	313639 Rev G 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+18.5; -20.7
0525	313640 Rev G 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+22.0; -24.5
0526	313641 Rev F 12-08-2021 Sealed 04-14-2022	18′-0″	14′-0″	+18.5; -20.7
0528	313643 Rev F 12-08-2021 Sealed 04-14-2022	18′-0″	14′-0″	+18.5; -20.7
0532	318954 Rev G 12-08-2021 Sealed 04-14-2022	18′-0″	14′-0″	+22.0; -24.5
0536	359173 Rev C 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+23.0; -25.0
0537	359174 Rev C 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+27.0; -31.0
0538	359175 Rev C 12-08-2021 Sealed 04-14-2022	18′-0″	14′-0″	+26.3; -29.3
0539	359176 Rev C 12-08-2021 Sealed 04-14-2022	16′-0″	14′-0″	+30.0; -33.5
0540	359177 Rev C 12-08-2021 Sealed 04-14-2022	16′-2″	14′-0″	+39.2; -43.7
0541	359178 Rev C 12-08-2021 Sealed 04-14-2022	18′-2″	14′-0″	+30.0; -33.5

Installation:

Design Drawings: The doors must be installed as specified on the design drawings. The design drawings are be 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.

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 Commercial Track Supplement must be available on the job site during installation. All fasteners must be corrosion resistant as specified in the IRC and the IBC.