

## Product Evaluation

GDR54 | 1220

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-54

**Effective Date:** December 1, 2020

**Re-evaluation Date:** December 2024

**Product Name:** Model 200 and 240 Commercial Steel Sectional Garage Doors, Non-Impact Resistant

**Manufacturer:** Windsor Door  
5800 Scott Hamilton Drive  
Little Rock, AR  
(501) 562-1872

### General Description:

The Model 200 and Model 240 doors are commercial, sectional, garage doors that are constructed from galvanized, pre-painted steel sections that are a maximum of 24" in height. Models 200 and 240 are pan-style garage doors. The sectional garage doors evaluated in this report are non-impact resistant. All doors are reinforced horizontally with roll-formed galvanized steel sections (u-bars). This evaluation report includes individual, non-impact resistant garage doors based on the following tested series:

**Model 200:** pan-style, commercial garage doors with optional insulation

- 20-gauge steel exterior skin
- 2" thick door sections
- Optional polystyrene foam insulation with gloss liner
- Manufactured with an embossed horizontal rib panel design

**Model 240:** pan-style, commercial garage doors with optional insulation

- 24-gauge steel exterior skin
- 2" thick door sections
- Optional polystyrene foam insulation with gloss liner
- Manufactured with an embossed horizontal rib panel design

**The following applies to all doors:**

**Hardware:**

- U-Bar Stiffeners: Horizontal reinforcing U-shaped sections, 3" deep, 18-gauge galvanized steel attached with two hex-head, self-drilling screws per stile.
- End Hinges: 14-gauge galvanized steel hinges secured with four sheet metal screws.
- Locks: commercial slide locks or electrical operator.
- Stiles: 16-gauge or 18-gauge galvanized steel as shown on the design drawings.
- Tracks: Vertical tracks are made from 13-gauge, 2" wide, galvanized steel. 3" wide galvanized steel is available as an option.
- Track Construction: Track is angle-mounted construction, utilizing 13-gauge angles with 10-gauge saddle brackets of galvanized steel. Refer to the drawings referenced in Table 1 for angle and bracket locations.
- Rollers: 2" diameter steel rollers with either a 4-1/2" long x 7/16" stem or a 7-1/2" long x 7/16" stem. Refer to the design drawings. 3" diameter steel rollers are available as an option.

**Product Identification:** The doors have a warranty/warning label applied during manufacturing that includes the manufacturer's name and the Series/Model number for the door. A second label will be applied to the door during installation by the installer. This label includes the manufacturer's name, Series/Model number, the design drawing number, the design pressure rating for the door, and the test standard (ANSI/DASMA 108-17).

**Limitations:**

**Maximum Section Height:** The maximum height of each door section must not exceed 24". Refer to the design drawings for door section heights for specific doors.

**Maximum Width:** The doors have a maximum width of 16'-2". Refer to Table 1 and the design drawings for the allowable door width dimensions.

**Maximum Height:** The doors have a maximum height of 16'-1". Refer to Table 1 and the design drawings for allowable door heights for specific doors.

**Design Drawings:** Specified in Table 1.

**Design Pressures:** Specified in Table 1.

**Glazing:** Glazing is not allowed in these door assemblies.

**Impact Resistance:**

The doors assemblies specified in Table 1 have not been tested for windborne debris resistance.

**Installation:**

**Design Drawings:** Install doors as specified on the design drawings. The design drawings must be provided with the door. The drawing numbers are listed in Table 1. Each page of the design drawing must be sealed by John E. Scates, PE. The drawings are sealed November 10, 2020

A copy of the design drawings must be available at all times at the job site during installation. The information within this evaluation report governs if there are any conflicts between the manufacturer's instructions and this evaluation report. Interior hardware configurations will vary based on the garage door dimensions and wind pressure requirements.

Refer to Table 1 for maximum allowable door dimensions, allowable design pressures, and applicable design drawings.

**Attachment of Doors to Structure:** The door track brackets shall be attached either directly to the concrete wall or to the steel structure. The allowable methods of attachment and illustrations of the allowable methods of attachment are specified in the approved drawings.

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

**Table 1**  
**Commercial Pan-Style Garage Doors**  
**Models 200 and 240**

Maximum Width	Maximum Height	Number of Center Stiles	Design Pressures (psf)	Drawing Number
9'-2"	16'-1"	2	+25.5 / -28.5	99-B-094; Date: 12-02-2009 Rev B; 6-03-2020
10'-2"	16'-1"	3	+20.7 / -23.1	99-B-094; Date: 12-02-2009 Rev B; 6-03-2020
12'-2"	16'-1"	3	+23.7 / -26.6	99-B-092; Date: 7-09-2009 Rev D; 6-03-2020
12'-2"	16'-1"	3	+38.3 / -43.0	99-B-093; Date: 7-09-2009 Rev D; 6-03-2020
14'-2"	16'-1"	5	+22.4 / -24.9	99-B-092; Date: 7-09-2009 Rev D; 6-03-2020
16'-2"	16'-1"	5	+19.6 / -21.8	99-B-092; Date: 7-09-2009 Rev D; 6-03-2020
14'-2"	16'-1"	5	+29.8 / -33.3	99-B-093; Date: 7-09-2009 Rev D; 6-03-2020
16'-2"	16'-1"	5	+26.1 / -29.1	99-B-093; Rev D; 6-03-2020