

Product Evaluation

GDR104 | 0819

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-104

Effective Date: August 1, 2019

Re-evaluation Date: August 2023

Product Name: Model 625, 626, and 627 Steel Roll-up Doors, Non-Impact Resistant

Manufacturer: Overhead Door Corporation
2501 S. State Hwy 121
Suite 200
Lewisville, TX 75067
(800) 972-1730

General Description:

Overhead Door Corporation rolling steel door curtains are constructed from G-40 galvanized steel (that may be powder coated) or stainless steel. The slat options available are a nominal 3/4" thick insulated FI265 (also known as FIP) slat or a nominal 1-1/2" thick insulated FIT265 (also known as FIT) slat, each filled with cfc-free polyurethane insulation. All models utilize a 24-gauge steel back cover, with various steel front cover gauge combinations per Table 1. The guides are primed steel with specifications detailed on the drawings. Slat dimensions, drawing number, and allowable design pressure ratings are shown in Table 1.

Limitations:

Maximum Opening Width: 22'-0"

Maximum Opening Height: 30'-0"

Glazing: Not permitted.

Allowable Design Pressure Rating: ±38 psf. Refer to Table 1.

Product Identification: The rolling door assemblies have a label that identifies the manufacturer, the model number, the design pressure rating, compliance with the IRC and the International Building Code, and the drawing number.

Impact Resistance: The rolling steel doors have not been tested for windborne debris resistance. These models must not be installed in the Seaward Zone, unless they are protected with an impact protection system.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

Installation:

General: Install these doors in accordance with the manufacturer's published installation instructions, the approved drawings, and this product evaluation report. A copy of the approved drawings and the manufacturer's installation instructions 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. Refer to Table 1 for maximum allowable door dimensions, allowable design pressures, and applicable drawing.

Design Drawings: The rolling doors must be installed in accordance with one of the following:

- "Model 625/626, Rolling Service Door, 22' TDI, 38 PSF," Drawing No. 308739, Rev. REL, Sheet 1 of 1, dated June 2, 2015, signed, sealed, and dated June 10, 2015, by Mark A. Sawicki, P.E. The stated drawings will be referred to as approved drawings in this report. A copy of the approved drawings must be available at the job site.
- "Model 627, Rolling Service Door, 10' TDI, 38 PSF," Drawing No. 308737, Rev. REL, Sheet 1 of 1, dated June 2, 2015, signed, sealed, and dated June 10, 2015, by Mark A. Sawicki, P.E. The stated drawings will be referred to as approved drawings in this report. A copy of the approved drawings must be available at the job site.
- "Model 627, Rolling Service Door, 22' TDI, 38 PSF," Drawing No. 308738, Rev. REL, Sheet 1 of 1, dated June 2, 2015, signed, sealed, and dated June 10, 2015, by Mark A. Sawicki, P.E. The stated drawings will be referred to as approved drawings in this report. A copy of the approved drawings must be available at the job site.

Wall Construction: The rolling doors may be mounted to the following types of wall framing:

- Cast-in-place concrete (minimum 3,000 psi)
 - Required fastener edge distance:
 - 3/8" Hilti Kwik Bolt 3 (minimum 4-1/2" edge distance)
 - 1/2" Hilti Kwik Bolt 3 (minimum 7" edge distance)
 - 5/8" Hilti Kwik Bolt 3 (minimum 6" edge distance)
- Steel, minimum 3/16" thick A36 steel

Anchorage: The rolling doors must be anchored to the structure in accordance with the approved drawings. Anchorage of the rolling doors to concrete and steel must follow the mounting details on the approved drawings and the fasteners specified in the mounting details. Minimum edge distances and minimum embedment depths for all fasteners that penetrate into the structure must be as specified on the design drawings and the manufacturer’s installation instructions. The engineer-of-record must determine the length of steel bolt required to secure the steel bolts to the structure to resist the forces shown on the approved drawings. Steel bolts must be either hot-dip galvanized or stainless steel (AISI Type 3 or Type 316).

Table 1. Non-Impact Rated Assemblies

Slat Model	Front Slat Gauge Options	Door Width (Max.)	Door Height (Max.)	Drawing Number	Design Pressure (psf)	Reinforcing	Jamb Detail
FIT265	24, 22, 20, 18	10'-0"	30'-0"	308737 Rev. REL	+38, -38	Roll-Up Door Skin Only	See Drawing
FIT265	22, 20, 18	22'-0"	30'-0"	308738 Rev. REL	+38, -38	Roll-Up Door Skin Only	See Drawing
FI265	20, 18	22'-0"	30'-0"	308739 Rev. REL	+38, -38	Roll-Up Door Skin Only	See Drawing

Note: Keep the manufacturer’s installation instructions and the appropriate design drawings, available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.