



Product Evaluation

GDR107 | 1015

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-107

Effective Date: October 1, 2015

Re-evaluation Date: October 2019

Product Name: Models 6181, 6201, 6221, 6222, 6242 and 6266 Commercial Steel Roll-Up Doors, Non-Impact Resistant

Manufacturer: C.H.I. Overhead Doors
P. O. Box 260
Arthur, IL 61911
(800) 677-2650

General Description:

Models 6181, 6201, 6202, 6221, 6222, 6242, and 6266 doors are commercial rolling doors constructed from interlocking roll formed slats, counterbalance, a three angle guide system per door side, and a double angle bottom bar.

Models 6181, 6201, and 6221 doors are un-insulated commercial rolling doors are constructed from galvanized steel with a baked on polyester finish slats. The model 6221 doors are constructed from 22 gauge steel slats. The 6181 model doors are constructed from 18 gauge steel slats. The 6201 model doors are constructed from 20 gauge steel slats.

Model 6266 doors are un-insulated commercial rolling doors constructed from 22 gauge stainless steel slats.

Models 6202, 6222, 6242 doors are commercial rolling doors are constructed from galvanized steel with a baked on polyester finish slats. The model 6202 doors are constructed from 20 gauge steel slats. The 6222 model doors are constructed from 22 gauge steel slats. The 6224 model doors are constructed from 24 gauge steel slats.

Product Identification: A label will be affixed to the steel roll up door. The label must include the manufacturer's name, series number of door, the allowable design pressure rating, and the design drawing number.

Limitations:**Models 6181, 6201, 6221 and 6266**

System	Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
1	10'-4"	24'-0"	No Windlock	TZ6n-10-R1002	+30, -36.8
	12'-4"			TZ5n-12-R1002	+23.7, -28.4
	14'-4"			TZ4n-14-R1002	+20, -24.3

Models 6202, 6222, 6242

System	Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
2	10'-4"	24'-0"	No Windlock	TZ7n-10-R1002	+34.7, -43.1
3	12'-4"			TZ6n-12-R1002	+30, -36.8
4	14'-4"			TZ5n-14-R1002	+23.7, -28.4
5	16'-4"			TZ3n-16-R1002	+20, -24
6	18'-4"			TZ2n-18-R1002	+17, -17

Models 6202, 6222, 6242, 6181, 6201, 6221 and 6266

System	Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
7	20'-6"	30'-0"	Windlock	TZ5w-26-R1002	+30.6, -30.6
	21'-4"				+30.6, -30.6
	22'-4"				+30.6, -30.6
	24'-4"				28.1, -28.1
	26'-4"				+26, -26
	28'-4"				+23.1, -23.1
	30'-4"				+20.8, -20.8
8	8'-4"	24'-0"	No Windlock	TZ7n-08-R1002	+34.7, -43.1
9	8'-4"	30'-0"	Windlock	TZ12w-12-R1002	+136.1, -136.1
	9'-4"				+121.5, -121.5
	10'-4"				+109.8, -109.8
	11'-4"				+100.1, -100.1
	12'-4"				+92, -92
	14'-4"				+70.4, -70.4
	16'-4"				+56.2, -56.2
10	12'-4"			TZ12w-16-R1002	+74.1, -74.1
	14'-4"				+63.8, -63.8
	16'-4"				+56, -56
	17'-4"				+50.6, -50.6
	18'-4"				+46.1, -46.1
	19'-4"				+42.3, -42.3
	20'-4"				+38.9, -38.9

Models 6202, 6222, 6242, 6181, 6201, 6221 and 6266 (continued)

System	Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
11	20'-4"	30'-0"	Windlock	TZ12w-26-R1002	+70.1, -70.1
	22'-4"				+70.1, -70.1
	24'-4"				+64.9, -64.9
	25'-4"				+62.3, -62.3
	26'-4"				+60, -60
	28'-4"				+53.7, -53.7
	30'-4"				+48.4, -48.4

- **Glazing:** None
- **Impact Resistance:** The doors listed in this report do not satisfy TDI's criteria for protection from windborne debris. Protect the door assemblies with an impact protective system when installing the product in areas that require windborne debris protection.
- **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 Instructions:

Design Drawings: Install the doors as specified on the design drawings. The manufacturer will provide the design drawings with the door. Each page of the design drawing dated August 31, 2015, and should be signed, sealed, and dated September 9, 2015 (drawings TZ5w-26-R1002, TZ12w-16-R1002 and TZ12w-12-R1002), September 10, 2015, (drawings TZ6n-10-R1002, TZ5n-12-R1002, TZ4n-14-R1002, TZ6n-12-R1002, TZ5n-14-R1002, TZ3n-16-R1002, TZ2n-18-R1002, and TZ7n-08-R1002), and September 14, 2015 (drawing TZ12w-26-R1002) by John Scates, P.E. The design drawings should include the following information:

- Drawing Number
- Design Pressures Rating
- Maximum Width and Maximum Height
- Maximum Slat Height

Two Piece Angle Construction: In addition to providing the design drawings, the manufacturer must provide the following supplemental instruction documents with the door: Supplemental Instructions dated August 31, 2015, and should be signed, sealed, and dated September 10, 2015, by John Scates, P.E.

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