

Product Evaluation

GDR107 | 0322

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: March 1, 2022

Re-evaluation Date: March 2026

Product Name: Models 6181, 6201, 6221, 6202, 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, 6221, 6202, 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 insulated 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/model number of door, the allowable design pressure rating, and the design drawing number. The installer will verify that the label is clearly marked indicating which door assembly is being installed, in addition to verifying that the design pressure rating is clearly marked.

Limitations:

Maximum Width: The doors have a maximum width of 30'-4". Refer to the design drawings for the allowable door width dimensions.

Maximum Height: The doors have a maximum height of 30'. Refer to the design drawings for allowable door heights for specific doors.

Design Drawings: Specified in Table 1 thru Table 4.

Design Pressures: Specified in Table 1 thru Table 4.

Glazing: Glass not permitted.

Impact Resistance: The doors listed in this report have not been tested for windborne debris. Since the doors do not contain glazing, the door assemblies will not need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Installation:

Design Drawings: The doors are installed as specified on the design drawings. The manufacturer will provide the design drawings with the door. The drawing numbers are specified in Table 1 thru Table 4. Each page of the design drawing is dated December 17, 2021, except for drawings Z12-26-92007 and Z12-26-93007, which are dated December 28, 2021. Each page of the drawing is sealed by John E. Scates, P.E. The first page is sealed and digitally signed by John E. Scates, P.E. on January 3, 2022.

**Table 1. Non-Insulated Doors
Models 6181, 6201, 6221 and 6266**

Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
8'-4"	24'-0"	No Windlock	Z7-8-90007	+34.7; -43.1
10'-4"			Z6-10-90007	+30.0; -36.8
12'-4"			Z5-12-90007	+23.7; -28.4
14'-4"			Z4-14-90007	+20.0; -24.3

**Table 2. Insulated Doors
Models 6202, 6222, 6242**

Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
10'-4"	24'-0"	No Windlock	Z7-10-91007	+34.7; -43.1
12'-4"			Z6-12-91007	+30.0; -36.8
14'-4"			Z5-14-91007	+23.7; -28.4
16'-4"			Z3-16-91007	+20.0; -24.0

**Table 3. Non-Insulated Doors
Models 6181, 6201, 6221 and 6266**

Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
22'-4"	30'-0"	Windlock	Z5-26-92007	+30.0; -30.0
23'-4"				+29.0; -29.0
24'-4"				+28.0; -28.0
25'-4"				+26.0; -26.0
26'-4"				+26.0; -26.0
27'-4"				+24.0; -24.0
28'-4"				+23.0; -23.0
30'-4"				+20.0; -20.0
8'-4"	30'-0"	Windlock	Z12-12-92007	+136; -136
9'-4"				+121; -121
10'-4"				+109; -109
11'-4"				+100; -100
12'-4"				+92.0; -92.0
13'-4"				+79.0; -79.0
14'-4"				+70.0; -70.0
15'-4"				+62.0; -62.0
16'-4"	+56.0; -56.0			
12'-4"	30'-0"	Windlock	Z12-16-92007	+74.0; -74.0
13'-4"				+68.0; -68.0
14'-4"				+63.0; -63.0
15'-4"				+59.0; -59.0
16'-4"				+56.0; -56.0
17'-4"				+50.0; -50.0
18'-4"				+46.0; -46.0
19'-4"				+42.0; -42.0
20'-4"	+38.0; -38.0			
22'-4"	30'-0"	Windlock	Z12-26-92007	+70.0; -70.0
23'-4"				+67.0; -67.0
24'-4"				+64.0; -64.0
25'-4"				+62.0; -62.0
26'-4"				+60.0; -60.0
27'-4"				+56.0; -56.0
28'-4"				+53.0; -53.0
30'-4"				+48.0; -48.0

**Table 4. Insulated Doors
Models 6202, 6222, 6242**

Maximum Width	Maximum Height	Door Type	Drawing	Design Pressure Rating (psf)
22'-4"	30'-0"	Windlock	Z5-26-93007	+30.0; -30.0
23'-4"				+29.0; -29.0
24'-4"				+28.0; -28.0
25'-4"				+26.0; -26.0
26'-4"				+26.0; -26.0
27'-4"				+24.0; -24.0
28'-4"				+23.0; -23.0
30'-4"				+20.0; -20.0
8'-4"	30'-0"	Windlock	Z12-12-93007	+136; -136
9'-4"				+121; -121
10'-4"				+109; -109
11'-4"				+100; -100
12'-4"				+92.0; -92.0
13'-4"				+79.0; -79.0
14'-4"				+70.0; -70.0
15'-4"				+62.0; -62.0
16'-4"	+56.0; -56.0			
12'-4"	30'-0"	Windlock	Z12-16-93007	+74.0; -74.0
13'-4"				+68.0; -68.0
14'-4"				+63.0; -63.0
15'-4"				+59.0; -59.0
16'-4"				+56.0; -56.0
17'-4"				+50.0; -50.0
18'-4"				+46.0; -46.0
19'-4"				+42.0; -42.0
20'-4"	+38.0; -38.0			
22'-4"	30'-0"	Windlock	Z12-26-93007	+70.0; -70.0
23'-4"				+67.0; -67.0
24'-4"				+64.0; -64.0
25'-4"				+62.0; -62.0
26'-4"				+60.0; -60.0
27'-4"				+56.0; -56.0
28'-4"				+53.0; -53.0
30'-4"				+48.0; -48.0

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