

Product Evaluation

GDR88 | 0422

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-88

Effective Date: April 1, 2022

Re-evaluation Date: April 2026

Product Name: Models 3295 and 3297 Commercial Sectional Aluminum Garage Doors, Non-Impact Resistant

Manufacturer: C.H.I. Overhead Doors
1485 Sunrise Drive
Arthur, IL 61911
(800) 677-2650

General Description: Model 3295 and 3297 doors are commercial sectional garage doors constructed from extruded aluminum. The 3295 and 3297 model doors are constructed from 6063-T5 extruded aluminum. The doors use 3" U-bars for horizontal reinforcement. Drawing number, design pressures, door width, horizontal reinforcement, and glazing options are shown in Table 1.

Product Identification: The garage door will have a label affixed. The label must include the manufacturer's name, manufacturing product code, drawing reference, the allowable design pressure rating, impact rating, and TDI product evaluation report number.

Limitations

Maximum Section Height: The maximum height of each door section must not exceed 24".

Maximum Width: The doors have a maximum width of 24'-02". Refer to Table 1 and the design drawings for the allowable door width dimensions.

Maximum Height: The doors have a maximum height of 24'. Refer to the design drawings for allowable door heights for specific doors.

Horizontal Reinforcement: The doors are reinforced with 17-gauge 3" steel U-bars. The quantity, placement, and installation of the U-bars are shown on the design drawings.

Design Drawings: Specified in Table 1.

Design Pressures: Specified in Table 1.

Glazing (Optional): Glass options are specified on the design drawings. Fasteners are not required to secure the glazing to the door sections.

Impact Protection: These doors have not been tested for windborne debris resistance. Doors that contain glazing will need windborne debris protection if installed in areas where windborne debris protection is required.

Installation Instructions:

Design Drawings: Install the doors as specified on the design drawings and other accompanying installation instructions. The design drawing must be provided with the door. The drawings are dated March 11, 2020. Each page of the design drawings is signed, sealed, and dated March 28, 2022, by John E. Scates, P.E.

Attachment of Doors to the Building: Doors are secured to the wall structure as specified in the Jamb Attachment details. The Jamb Attachment details include the following drawings:

BJA-101R8
BJA-102R7
BJA-103R8
BJA-104R8
BJA-105R7
BJA-105R5
BJA-106R5

Each drawing is dated March 26, 2020 and sealed by John E. Scates. Drawing BJA-101R8 is digitally signed and dated January 7, 2021.

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

Table 1
Models 3290 and 3295

Door Width	Horizontal Reinforcement	Design Pressure (psf) Single Lite Windows	Design Pressures (psf) Double Lite Windows	Drawing Number
6'-02"	None	+20.8 / -73.9	+45.6 / -73.9	Z0-09-64304
8'-02"		+20.8 / -57.4	+45.6 / -57.4	
9'-02"		+20.8 / -51.1	+45.6 / -51.1	
9'-06"		+20.8 / -47.6	+42.5 / -47.6	
10'-02"		+20.8 / -41.5	+37.1 / -41.5	
12'-02"		+20.8 / -29.0	+25.9 / -29.0	
14'-02"		+19.1 / -21.4	+19.1 / -21.4	
16'-02"		+14.7 / -16.4	+14.7 / -16.4	
10'-02"	17 gauge, 3" U-bars	+20.8 / -54.1	+45.6 / -54.1	Z4-14-64304
12'-02"		+20.8 / -45.2	+39.3 / -45.2	
14'-02"		+20.8 / -34.9	+31.3 / -34.9	
16'-02"		+20.8 / -30.6	+27.5 / -30.6	
18'-02"		+20.8 / -24.2	+21.8 / -24.2	
20'-02"		+17.7 / -19.7	+17.7 / -19.7	
12'-02"	17 gauge, 3" U-bars	+20.8 / -45.2	+44.5 / -49.8	Z6-14-64304
14'-02"		+20.8 / -34.9	+38.2 / -42.8	
16'-02"		+20.8 / -30.6	+29.3 / -32.9	
18'-02"		+20.8 / -24.2	+23.2 / -26.0	
20'-02"		+18.9 / -21.1	+18.9 / -21.1	
12'-02"	17 gauge, 3" U-bars	+20.8 / -45.2	+45.6 / -56.9	Z8-16-64304
14'-02"		+20.8 / -34.9	+43.6 / -48.8	
16'-02"		+20.8 / -30.6	+38.2 / -42.8	
18'-02"		+20.8 / -24.2	+30.3 / -33.9	
20'-02"		+20.8 / -27.5	+24.5 / -27.5	
22'-02"		+20.3 / -22.8	+20.3 / -22.8	
24'-02"		+17.1 / -19.2	+17.1 / -19.2	