

Product Evaluation

GDR150 | 0222

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-150

Effective Date: February 1, 2022

Re-evaluation Date: February 2026

Product Name: Clopay Commercial and Residential "Modern Steel" Intellicore™ Insulated Sectional Garage Doors, and Clopay Residential "Modern Canyon Ridge" Intellicore™ Insulated Steel Sectional Garage Doors, Non-impact Resistant and Impact Resistant

Manufacturer: Clopay Corporation
8585 Duke Blvd.
Mason, OH 45040
(513) 770-4800

Marketed Under: Clopay
IDEAL
Holmes

Sold as: IDEAL Door Company
Holmes Garage Door

The doors are acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation. Installation instructions and the appropriate design drawings for the particular model, as shown in Table 1 through 3, must be provided and available on the job site during installation.

Product Description:

The garage doors specified in this product evaluation are sectional overhead doors constructed from galvanized steel with a baked on polyester finish. The doors are flat with optional minor ribs and may have a stucco or an embossed wood grain texture. Insulated sectional garage doors will have an interior skin with 2" thick, 2.4 pcf density polyurethane foam insulation between the skins. Some doors may have decorative overlays.

Product Identification:

A label will be affixed to the garage door that includes manufacturer's name, manufacturing product code, the allowable design pressure rating, the design drawing, the TDI product evaluation report number, and the test standards (ANSI/DASMA 108 or TAS 202; ANI/DASMA 115 or TAS 201/203). To minimize inventory, the same section construction configuration is used across several different wind load levels for the same door model and size. The section remains the same because the differences in the struts, track, and hardware allow for the same section to be upgradeable for different wind load levels. The label will list all approved variations that the section can be used to construct, and each design drawing will list the equivalent sections.

Limitations:

This product evaluation report includes design drawings, allowable dimensions, and design pressures for both non-impact and impact resistant sectional garage doors.

Non-impact garage door specifications are in Table 1.

Impact resistant garage door specifications are in Tables 2-3.

The maximum height of each door section must not exceed 24". Refer to the design drawings for the allowable section height for a particular door.

The doors have a maximum allowable width of 18'2". Refer to Tables 1 through 3 for the allowable width of the door for a particular door model.

The doors have a maximum allowable height of 20'. Refer to Tables 1 through 3 for specific door height limitations.

The design pressure rating for a particular model door is specified in Tables 1 through 3.

Impact Resistance:

The doors assemblies specified in Table 1 have not been tested for impact resistance. Doors specified in Table 1 that contain glazing may not be installed in locations where windborne debris protection is required unless the doors are protected with an impact protective system.

The door assemblies specified in Table 2 and Table 3 have been tested for impact resistance. Doors specified in Tables 2 and 3 do not need to be protected with an impact protective system. Doors may have impact resistant glazing as detailed on the design drawings.

Installation Instructions

Design Drawings: Install doors as specified on the design drawings. The design drawings must be provided with the door. Each page of the design drawings is sealed, dated, and signed by Mark W. Westerfield, PE. The following information, as a minimum, is to be provided within boxes located on each page of the design drawings:

- Manufacturing Product Code
- Brand Names and Model Numbers
- Drawing Number
- Drawing Revision Number
- Design Pressure Rating
- Maximum Door Size (Width and Height)
- Maximum Section Height

Attachment of Doors to Wall Framing: Attach door track brackets either directly to the wall framing or to minimum 2x6 Southern Yellow Pine wood jambs that are secured to the wall framing with fasteners. The allowable methods of attachment and illustrations of the allowable methods of attachment are specified on each design drawing.

- **Direct Attachment of Door Track Brackets to Wall Framing:** The wall framing must be minimum Southern Yellow Pine dimension lumber. Secure track bracket to wall framing with lag screws as specified on the design drawings. Refer to the design drawings for the proper location of the lag screws into the wall framing.
- **Attachment of Door Components to Wood-Framed Walls Using a Wood Jamb:** Attach brackets for the vertical tracks directly to wood jambs with the fasteners specified on the design drawings. Attaching wood jambs to wood-framed walls as specified in the Jamb Fastener Analysis Connecting Jamb to Existing Structure, document CBPC-JFA-0001-REV04, signed and sealed on July 18, 2021, by Mark Westerfield, P.E.
- **Attachment of Door Components to Concrete/Masonry Block Walls Using a Wood Jamb:** Attach brackets for the vertical tracks directly to wood jambs with the fasteners specified on the design drawings. The attachment of the wood jambs to the concrete/masonry block walls must be as specified in the Jamb Fastener Analysis Connecting Jamb to Existing Structure, document CBPC-JFA-0001-REV04, signed and sealed on July 18, 2021, by Mark Westerfield, P.E.

Note: Keep the manufacturer's installation instructions, the design drawings, and the Jamb Fastener Analysis Connecting Jamb to Existing Structure document available on the job site during installation. Use corrosion resistant as specified in the IRC and the IBC.

Non-Impact Resistant Doors

- **Design Drawings:** Specified in Table 1.
- **Allowable Dimensions:** Specified in Table 1.
- **Design Pressures:** Specified in Table 1.
- **Glazing:** The glazing construction and dimensions are specified on the design drawings.
- **Louvers:** Not permitted.
- **Impact Resistance:** The doors assemblies specified in Table 1 have not been tested for windborne debris resistance. Doors specified in Table 1 that contain glazing may not be installed in locations where windborne debris protection is required unless the doors are protected with an impact protective system.

Impact Resistant Doors

- **Design Drawings:** Specified in Table 2 and Table 3.
- **Allowable Dimensions:** Specified in Table 2 and Table 3.
- **Design Pressures:** Specified in Table 2 and Table 3.
- **Glazing:** The glazing construction and dimensions are specified on the design drawings.
- **Louvers:** Not permitted.
- **Impact Resistance:** The door assemblies specified in Table 2 and Table 3 have been tested for impact resistance. Doors specified in Tables 2 and 3 do not need to be protected with an impact protective system. Doors may have impact resistant glazing as detailed on the design drawings.

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

Table 1: Non-Impact Rated Assemblies | Clopay, IDEAL, and Holmes W6 Doors

Mfg Product Code	Clopay Model #s	Ideal Model #s	Holmes Model #s	Max Door Width	Max Door Height	Drawing Number	Design Pressure (psf)	Glass Option
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	9'2"*	16'0"	104859-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	9'2"*	20'0"	104859-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	16'2"	16'0"	105042-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	16'2"	20'0"	105042-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	18'2"	16'0"	105188-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	18'2"	20'0"	105188-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	9'2"*	16'0"	104859-B-TDI Rev. 00 9/2021 Sealed: 11/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	16'2"	16'0"	105042-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	18'2"	16'0"	105188-B-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes

9'2"* -- Max opening size is 9'0" but 2" overlap is allowed but not required.

Table 2: Impact Rated Assemblies | Clopay, IDEAL, and Holmes W6 Doors

Mfg Product Code	Clopay Model #s	Ideal Model #s	Holmes Model #s	Max Door Width	Max Door Height	Drawing Number	Design Pressure (psf)	Glass Option
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	9'2"*	16'0"	104859-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	9'2"*	20'0"	104859-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	16'2"	16'0"	105042-A-TDI Rev. 00 9/2021 Sealed: 11/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	16'2"	20'0"	105042-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel – Resi" 7208, 7209	18'2"	16'0"	105188-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel – Comm" C7R20	18'2"	20'0"	105188-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	9'2"*	16'0"	104859-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	16'2"	16'0"	105042-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	18'2"	16'0"	105188-A-TDI Rev. 00 9/2021 Sealed: 1/11/2022	+38 -42	Yes

9'2"* -- Max opening size is 9'0" but 2" overlap is allowed but not required.

Table 3: Impact Rated Assemblies | Clopay, IDEAL, and Holmes W8 Doors

Mfg Product Code	Clopay Model #s	Ideal Model #s	Holmes Model #s	Max Door Width	Max Door Height	Drawing Number	Design Pressure (psf)	Glass Option
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel - Resi" 7208, 7209	9'2"*	16'0"	105024-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+54 -62	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel - Comm" C7R20	9'2"*	20'0"	105024-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+54 -62	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel - Resi" 7208, 7209	12'2"	16'0"	105050-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+50 -56	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel - Comm" C7R20	12'2"	20'0"	105050-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+50 -56	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel - Resi" 7208, 7209	14'2"	16'0"	105019-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+46 -52	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel - Comm" C7R20	14'2"	20'0"	105019-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+46 -52	Yes
DSIUA-1F477	"Modern Steel - Resi" 9208, 9209, HDPC2, HDPCR2	N/A	"Modern Steel - Resi" 7208, 7209	16'2"	16'0"	105002-TDI Rev. 04 9/14/2021 Sealed: 1/11/2022	+46 -52	Yes
DSIUA-1F477	"Modern Steel - Comm" 3728, 3729,	N/A	"Modern Steel - Comm" C7R20	16'2"	20'0"	105002-TDI Rev. 04 9/14/2021 Sealed: 1/11/2022	+46 -52	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	9'2"*	16'0"	105024-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+54 -62	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	12'2"	16'0"	105050-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+50 -56	Yes
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	14'2"	16'0"	105019-TDI Rev. 04 9/20/2021 Sealed: 1/11/2022	+46 -52	Yes

9'2"* -- Max opening size is 9'0" but 2" overlap is allowed but not required.

Table 3 (Continued): Impact Rated Assemblies | Clopay, IDEAL, and Holmes W8 Doors

Mfg Product Code	Clopay Model #s	Ideal Model #s	Holmes Model #s	Max Door Width	Max Door Height	Drawing Number	Design Pressure (psf)	Glass Option
DSIUO-1K479	"Canyon Ridge Modern" CRM2nnn-XX	"Canyon Ridge Modern" MWL2nnn-XX	"Canyon Ridge Modern" GLN2nnn-XX	16'2"	16'0"	105002-TDI Rev. 04 9/14/2021 Sealed: 1/11/2022	+46 -52	Yes