

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION GDR-25

Effective Date: August 1, 2013

*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 shall be subject to reevaluation **July 2017**.*

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.

Models TradeMark, Showcase, Masterpiece, SteelForm 24 ga, SteelForm 20 ga, TC200 Residential and Commercial Sectional Steel Garage Doors, Impact Resistant, manufactured by:

Raynor Garage Door
1101 East River Road
Dixon, Illinois 61021
Telephone: (815) 288-1431

will be acceptable for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation and the appropriate design drawings referenced in this evaluation report.

PRODUCT DESCRIPTION

TradeMark: Residential door. Sections shall be pan style 2" thick roll-formed from 24 gauge (0.023 min) hot dipped galvanized steel per ASTM A525 and ASTM A526. Each door section is wood grain textured with embossed panels and has tongue and grooved section joint.

Showcase (also referred to as Decade Showcase): Residential door. Sections shall be sandwich-style 2" thick insulated door panels with tongue-and-groove section joint made from minimum 0.015 inch thick galvanized steel roll-formed interior and exterior skins with embossed panels and wood grain texture. The doors are insulated with expanded polystyrene foam that is bonded to the interior and exterior steel skins.

Masterpiece: Residential door. Same as the Showcase, except with painted hardware.

SteelForm 24 Ga.: Also known as S24. Commercial door. Sections shall be pan style 2" thick, roll-formed from 24 gauge (0.023 min) commercial quality hot dipped galvanized steel per ASTM A525 and ASTM A626. Each door section has two deep ribs and four pencil grooves for additional strength and a tongue-and-groove section joint.

SteelForm 20 Ga.: Also known as S20. Commercial door. Sections shall be pan style 2" thick, roll-formed from 20 gauge (0.035 min) commercial quality hot dipped galvanized steel per ASTM A525 and ASTM A626. Each door section has two deep ribs and four pencil grooves for additional strength and a tongue-and-groove section joint.

TC200: Commercial door. Sections shall be sandwich-style 2" thick insulated door panels with tongue-and-groove section joint made from minimum 0.015 inch thick galvanized steel roll-formed interior and exterior skins with stucco texture. The doors are insulated with expanded polystyrene foam that is bonded to the interior and exterior steel skins.

Product Identification: A label will be affixed to the sectional overhead door. The label shall include the manufacturer's name, product name, and the allowable design pressure rating. 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 Section Height: The maximum height of each door section shall not exceed 21 inches on the TradeMark, Showcase, Masterpiece, and TC200 door. The maximum height of each door section shall not exceed 24 inches on the SteelForm 24 ga and SteelForm 20 ga doors.

Maximum Width: The doors shall have a maximum width of 18'-02". Refer to Table 1 and the design drawings for the allowable door width dimensions.

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

Horizontal Reinforcement: The doors are reinforced with 2-5/8" x 18 ga steel U-bars, 4-1/2" x 20 ga box struts, or 4-1/2" x 18 ga box struts. The quantity, placement, and installation of the reinforcement are shown on the design drawings.

Design drawings: Specified in Table 1.

Design pressures: Specified in Table 1.

Glazing: Glazing is not available.

Impact protection: These garage door assemblies have been tested for windborne debris resistance. These garage door assemblies will not need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

INSTALLATION INSTRUCTIONS

Design Drawings: The doors shall be installed as specified on the design drawings. The design drawings shall be provided with the door. The drawing numbers are specified in Table 1. Each page of the design drawings is signed, sealed, and dated by Richard A. Baumann, P.E. The following information, as a minimum, shall be provided on the design drawings:

- Model Name
- Drawing Number
- Design Pressures Rating
- Maximum Door Width and Maximum Door Height
- Maximum Section Height
- Jamb Attachment Information

Attachment of Doors to Wall Framing: The door track brackets shall be attached to minimum 2x6 Douglas Fir-Larch wood jambs that are secured to the wall construction with fasteners. The allowable methods of attachment are specified on each design drawing.

Note: The manufacturer's installation instructions and the appropriate design drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.

Table 1
TradeMark, Showcase, Masterpiece, SteelForm 24 ga, SteelForm 20 ga, TC200

Door Model	Maximum Door Width	Maximum Door Height	Design Pressures (psf)	Drawing
TradeMark	9'-0"	16'-0"	+65.0 / -75.0	P-3307 Rev. B, 6/16/2010 Sealed 5/13/2013
	12'-0"	16'-0"	+56.4 / -65.1	
	16'-0"	16'-0"	+45.0 / -52.0	
Showcase Masterpiece TC200	9'-0"	16'-0"	+65.0 / -75.0	P-3312 Rev. B, 6/16/2010 Sealed 5/13/2013
	12'-0"	16'-0"	+56.4 / -65.1	
	16'-0"	16'-0"	+45.0 / -52.0	
SteelForm 24 ga and 20 ga	9'-2"	24'-0"	+80.0 / -85.8	P-3313 Rev. B, 6/16/2010 Sealed 5/13/2013
	12'-2"	24'-0"	+60.0 / -74.5	
	18'-2"	24'-0"	+40.0 / -52.0	
TradeMark	18'-2"	16'-0"	+43.5 / -50.0	P-3308 Rev. B, 6/16/2010 Sealed 5/13/2013
Showcase Masterpiece TC200	18'-2"	16'-0"	+43.5 / -50.0	P-3314 Rev. B, 6/16/2010 Sealed 5/13/2013