

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION GDR-55

Effective May 1, 2012

*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 **October 2013**.*

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.

Commercial Steel Sectional Garage Doors, Impact Resistant, as manufactured by:

Overhead Door Corporation
2501 S. State Hwy 121, Suite 200
Lewisville, Texas 75067
Telephone: (800) 972-1730

will be accepted for use 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, shall be provided and available on the job site during installation.

PRODUCT DESCRIPTION

General: Overhead Door commercial sectional steel garage doors are constructed from galvanized steel with a baked on polyester finish. The 424 series is a 24 gauge galvanized steel door with ribbed exterior surface, and the 426 is a similar door with insulation. Dimensions, drawing number, allowable design pressure rating, and reinforcement are shown in Table 1.

Reinforcement: The doors are reinforced with hat shaped galvanized steel HS strut sections, rectangular tube, or Z-Struts installed horizontally on the backside of the door.

Product Identification: A label will be affixed to the garage door. The label shall include the manufacturer's name, series and model number, and the allowable design pressure rating.

LIMITATIONS

Design Pressure Rating: To attain the specified design pressure ratings and impact resistance, doors shall be installed and reinforced according to the appropriate design drawings shown in Table 1.

Impact Resistance: The door assemblies shown in Table 1 satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I zone** and the **Seaward zone** and do not need to be protected with an impact protective system. The impact resistant doors were not tested with optional glass panes.

INSTALLATION INSTRUCTIONS

General: Doors shall be installed according to the appropriate Overhead Door engineering drawing specified for the particular model and design pressure shown in Table 1. Doors may be attached to concrete, masonry or wood jambs as shown on the approved drawings referenced in Table 1.

Design Drawings: The doors shall be installed as specified on the design drawings. The design drawings shall be provided with the door. Each page of the design drawings shall be signed, sealed, and dated March 23, 2012 by Mark A. Sawicki, P.E. The following information, as a minimum, shall be provided on the design drawings:

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

Note: The manufacturer's installation instructions and 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 - Impact Rated Assemblies

Model Series	Door Width (max.)	Door Height (Max.)	Drawing Number	Design Pressure (PSF)	Reinforcing	Jamb Detail	Glass Option
424/426	10'-2"	16'-1"	408776 Rev N; Revision Date: 10/24/2011	±50	HS-3	See Drawing	No
424/426	12'-2"	16'-1"	410412 Rev G; Revision Date: 8/12/2011	±65	Z Strut	See Drawing	No
424/426	14'-2"	16'-1"	408806 Rev H; Revision Date: 3/06/2011	±50	HS-3 & 4x2 Tube Strut	See Drawing	No