

John E. Scates, Professional Engineer

October 15, 2026

C.H.I. Overhead Doors
1485 Sunrise Dr.
Arthur, IL 61911

Re: FL 16991-R9
Evaluation Report for Commercial Rolling Steel

To Whom It May Concern:

At the request of C.H.I. Overhead Doors, I have reviewed the drawings and tests listed below and have concluded that the construction shown on these drawings comply with the structural requirements of the 9th Edition (2026) Florida Building Code and IBC/IRC 2024 (Texas). I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Rational analysis methods have been applied to define psf pressure ratings for some widths. The pressures listed on the drawings are direct results of these tests or conservative engineering rational analysis from the actual tests, except that no extrapolation of impact pressures were used.

Drawings

These products are for **static** pressure only:

Models 6202, 6222, 6242 (insulated flat slats) (no windlocks)

Z3-16-91007	16'-04" wide	+20.0/-24.0 psf
Z5-14-91007	14'-04" wide	+23.7/-28.4 psf
Z6-12-91007	12'-04" wide	+30.0/-36.8 psf
Z7-10-91007	10'-04" wide	+34.7/-43.1 psf

Models 6181, 6201, 6221, 6266 (flat slats) (no windlocks)

Z4-14-90007	14'-04" wide	+20.0/-24.3 psf
Z5-12-90007	12'-04" wide	+23.7/-28.4 psf
Z6-10-90007	10'-04" wide	+30.0/-36.8 psf
Z7-08-90007	08'-04" wide	+34.7/-43.1 psf

Models 6202, 6222, 6242 (insulated flat slats) (windlocks)

Z5-26-93008	20'-06" through 30'-04" wide	(various pressures)
Z12-12-93007	08'-04" through 16'-04" wide	(various pressures)
Z12-16-93007	12'-04" through 20'-04" wide	(various pressures)
Z12-26-93007	20'-04" through 30'-04" wide	(various pressures)

Models 6181, 6201, 6221, 6266 (flat slats) (windlocks)

Z5-26-92008	20'-06" through 30'-04" wide	(various pressures)
Z12-12-92007	08'-04" through 16'-04" wide	(various pressures)
Z12-16-92007	12'-04" through 20'-04" wide	(various pressures)
Z12-26-92007	20'-04" through 30'-04" wide	(various pressures)

Note: Each drawing contains a table with the pressure ratings for an approved range of sizes.

These products are for **static and impact** (windborne debris):

Models 6202, 6222, 6242 (insulated flat slats) (windlocks)

Z11i-16-95008	10'-04" wide through 16'-04" wide
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Models 6181, 6201, 6221, 6266 (flat slats) (windlocks)

Z11i-16-94008	10'-04" wide through 16'-04" wide
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Narrower doors may be available and are approved but will carry the same pressure rating as the narrowest door in the table.

Test Reports

DASMA 108 (Static)

C5298.01-602-47
C5301.01-602-47
C5302.01-602-47
C5304.01-602-47
C7064.02-602-33
C7064.03-602-33
C7064.04-602-33
C9188.01-602-33
C7064.03-602-33
D9336.01-602-44
D9336.02-602-44
D9336.03-602-44
D9336.04-602-44
E1457.01-602-44
E1457.02-602-44
E1457.03-602-44
E3433.01-602-44

DASMA 115-05 (Impact)

D1094.01-602-33

Test Facility & Procedures

Tests were conducted at Architectural Testing of Schofield, WI at the Schofield location. This test facility was accredited at the time of testing.

Static pressure testing was conducted in accordance with ANSI/DASMA 108-05, which also complies with ANSI/**DASMA 108-2017** (herein "equivalent"). The testing also complied with the requirements of ASTM E330-02 as an equivalent test procedure for garage doors.

Large Missile impact and cycling tests were conducted in accordance with ANSI/DASMA 115-05, which also complies with ANSI/**DASMA 115-2017** (herein "equivalent").

These doors are not intended for the High Velocity Hurricane Zone (HVHZ) of Florida.

All test reports were signed by a Florida PE.

The designs reflected on the drawings represent the "worst case" construction of the doors if there were slight differences between the DASMA 108 Static and DASMA 115 Impact tested products. The strongest or most reinforced features were incorporated to ensure compliance.

Installation Instructions

The drawings provide installation instructions peculiar to windload reinforcement.

Special Anchorage

When this product is to be installed in areas within 3000 ft. of a saltwater coastline, all frame anchors that will be potentially exposed to salt air shall meet the corrosion resistance requirements of FBC Chapter 1711.

Anchorage Requirements:

These commercial rolling doors are to be mounted directly to Steel, Concrete, or filled-CMU jambs. Where the psf rating for the door is dependent on the jamb fastener type and spacing, tables are provided on the drawings.

This Evaluation Report does not address design of the wall. These drawings only illustrate common means to attach the door to the wall. Walls and Jambs should be designed (by others) to withstand the loads imposed by door onto the building.

DASMA TDS-161 **shall not** be used for jamb attachment of the product. Some rolling steel doors generate catenary loads that are not considered in TDS-161.

Model Descriptions

Models 6181, 6201, 6221, and 6266 doors are commercial rolling doors constructed from interlocking *uninsulated* roll formed slats, counterbalance, a four-angle guide system per door side, and a double angle bottom bar.

- Model 6181 doors are constructed from 18-gauge steel slats.
- Model 6201 doors are constructed from 20-gauge steel slats.
- Model 6221 doors are constructed from 22-gauge steel slats.
- Model 6266 doors are commercial rolling doors constructed from 22-gauge *stainless* steel slats.

Models 6202, 6222, and 6242 doors are commercial rolling doors constructed from interlocking *insulated* roll formed slats, counterbalance, a four-angle guide system per door side, and a double angle bottom bar.

- Model 6202 doors use 20-gauge steel face slats, 24-gauge steel backer slats, filled with urethane insulation.
- Model 6222 doors use 22-gauge steel face slats, 24-gauge steel backer slats, filled with urethane insulation.
- Model 6242 doors use 24-gauge steel face slats, 24-gauge steel backer slats, filled with urethane insulation.

Glazing is not available.

Additional Limitations

The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of these drawings and instructions as well.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale. MPH is not a pressure specification, but a broad range of possible pressures.

Maximum Width: The doors have a maximum width of 30'-04".

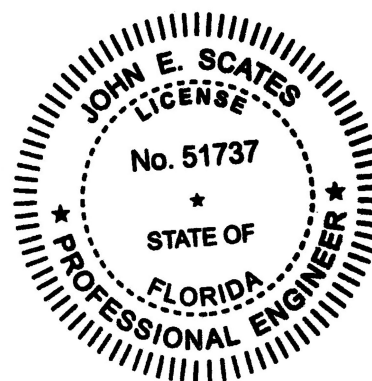
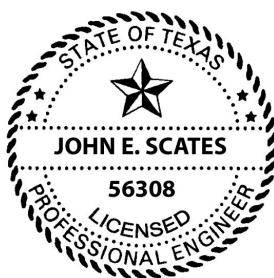
Maximum Height: The doors have a maximum height of 30 feet.

The rated pressures may not be achieved unless the door is held closed during the wind event. Both guides must be engaged with a lock (right and left side).

Architects and other users are reminded that rolling door products with windlocks can produce substantial "catenary" loads that pull toward the center of the opening during wind load in addition to the normal "perpendicular/normal" forces. The building structure must be designed to withstand the "normal" and "catenary" forces, which are tabulated on the drawings and illustrated as "Catenary Forces" and "Direct Loading".

Certain doors have been tested to Large Missile Impact requirements of the wind-borne debris regions, designated with an "i" in the drawing name. In addition, steel doors not tested for wind-borne debris may qualify for use in wind-borne debris regions according to the FBC if they do not contain glazing.

These products are *not* intended for the Florida High Velocity Hurricane Zone (HVHZ).



Digitally signed by John E Scates
Date: 2026.10.14 10:02:04 -05'00'

John E. Scates, P.E.

Florida PE # 51737

Texas PE # 56308 / F-2203

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