

John E. Scates, Professional Engineer

October 5, 2022

Overhead Door Corporation
2501 S State Hwy 121 Bus, Suite 200
Lewisville, TX 75067

Re: FL 15960-R8
Windloaded Rolling Steel Doors Series 610/620/625

To Whom It May Concern:

As requested by Overhead Door Corporation, I have confirmed the wind load door designs shown on the drawings listed below. I have reviewed the test reports and verified the product drawings via well-established rational analysis methods. I have concluded that the door designs are in compliance with the 7th Edition (2020) Florida Building Code.

This evaluation was built upon a foundation of 22 windload door tests that were used to validate the engineering calculation methods at various known points (Reference FL 742). Additionally, three more tests were performed with this specific curtain slat to generate slat-specific modifications. Using these calculation methods, the door configurations listed on the drawings were then designed within the allowable limits established by the actual door tests using comparative rational analysis.

Drawings

308573 Rev D Windload Door, Series 610/620/625

up to 25' wide
(psf varies by width)

Test Reports

Static Pressure Testing:

ATI 01-38195.01	27' Model 610 to +68.9/-68.9	PA 201/202/203
ATI 43463.03-109-18	22' Model 625 to +65.0/-65.0	TAS 201/202/203
ATI 43463.07-109-18	22' Model 610/620 to +65.0/-65.0	TAS 201/202/203

Test Facility & Procedures

All testing was conducted in a manner that complied with **ANSI/DASMA 108-2017**.

The Architectural Testing Inc (ATI) test lab was located at
130 Derry Court
York, PA.

This test lab was accredited for these procedures at the time of testing.

Installation Instructions

Jamb Attachment

The door is to be secured to the building using the fasteners specified in the Chart and Notes on each drawing as a minimum.

Architects and other users are reminded that rolling door products can produce substantial “catenary” loads that pull toward the center of the opening during wind load in addition to the normal “perpendicular” forces. The building structure must be designed to withstand the “moment”, “normal” and “parallel” forces, which are tabulated in the Chart and illustrated in the guide diagrams.

Model Descriptions

These model descriptions are specific to this Evaluation, limited to the Flat slats.

Model 610 is a rolling steel door using non-insulated F-265 slats

Model 611 is a 610 configured as a high-cycle springless door

Model 620 is a rolling steel door using non-insulated F-265 slats with additional weatherseals.

Model 621 is a 620 configured as a high-cycle springless door.

Model 625 is a rolling steel door using FIP (insulated F-265) slats with added weatherseals.

Model 626 is a 625 configured as a high-cycle springless door.

Additional Limitations

The drawing cited above is 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 this drawing as well.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

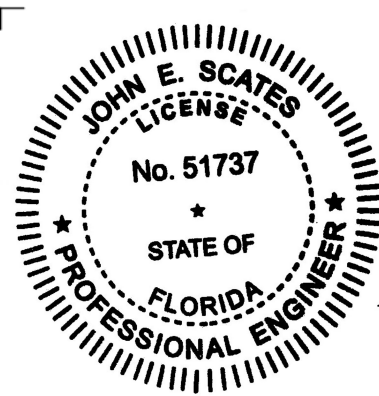
Max door height for this product is 30'.

Max door width for this product is 25'.

This door has not been evaluated for use in the Florida High Velocity Hurricane Zone (HVHZ).

Digitally signed by John E Scates
Date: 2022.10.12 20:56:27 -05'00'

John E. Scates, P.E.
Florida PE # 51737



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