

John E. Scates, Professional Engineer

February 26, 2024

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

Re: FL 00742
Evaluation Report for Series 610, 620, 625 HVHZ Rolling Steel Doors

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 independent tests by Architectural Testing Inc., the rational engineering analysis, and the product drawings. I have concluded that the door designs are in compliance with the 8th Edition (2023) Florida Building Code.

This evaluation mirrors Miami/Dade NOA's.

Drawing	NOA
308124 revJ	20-1130.05
308134 revJ	20-1130.08
308125 revJ	20-1130.07
308133 revJ	20-1130.06

This updated Evaluation revises Note 3 of these drawings to include Large Missile Impact up to 80 ft/sec ("Level E"), released herein as revJ.

In support of this increased Large Missile performance, additional impact tests were conducted to TAS 201/203-94 at with a Large Missile at 80 ft/sec. This higher impact speed requires 22 gauge (up to 16' wide) or 20 gauge (up to 22' wide) exterior slat material. No changes were made to the construction of the doors other than slat thickness increase if 80/ft/sec is desired.

Drawing	NOA
308123 revK	20-1130.09

This updated Evaluation revises this drawing to note that it has been adopted by John E. Scates, PE as revK.

I certify that I meet the requirements of "independence" as detailed in Florida Statutes, as it relates to Overhead Door Corporation.

Drawings

308123 Rev. K Windload, Series 610, C187 slat.

Limitations: 65 psf Design, Maximum door width 10', Maximum door height 30'

308125 Rev. J Windload, Series 610/611/620/621, F265 slat.

Limitations: 65 psf Design, Maximum door width 16', Maximum door height 30'

308133 Rev. J Windload, Series 610/611/620/621, F265 slat.

Limitations: 65 psf Design, Maximum door width 22', Maximum door height 30'

3080124 Rev. J Windload, Series 625/626, FIP slat.

Limitations: 65 psf Design, Maximum door width 16', Maximum door height 30'

3080134 Rev. J Windload, Series 625/626, FIP slat.

Limitations: 65 psf Design, Maximum door width 22', Maximum door height 30'

Test Reports

Wind Testing was conducted at Architectural Testing Inc (ATI) at 130 Derry Court, York, PA, and 1909 10th St, Plano, TX.

Dwg 308123	ATI C8181.01-109-18	TAS202 Static & TAS201/203 Impact at 50 ft/sec E8-16a Tensile Testing (Section 12)
Dwg 308125	ATI C8189.01-109-18 ATI K8633.01-801-18	TAS202 Static & TAS201/203 Impact at 50 ft/sec TAS 201/203 Impact at 80 ft/sec E8-16a Tensile Testing (Section 12)
Dwg 308133	ATI C8188.01-109-18 ATI K9101.01-801-18	TAS202 Static & TAS201/203 Impact at 50 ft/sec TAS 201/203 Impact at 80 ft/sec E8-16a Tensile Testing (Section 12)
Dwg 308124	ATI C8194.01-109-18(r1) ATI K8633.01-801-18	TAS202 Static & TAS201/203 Impact at 50 ft/sec TAS 201/203 Impact at 80 ft/sec E8-16a Tensile Testing (Section 12)
Dwg 308134	ATI C8191.01-109-18 ATI K9101.01-801-18	TAS202 Static & TAS201/203 Impact at 50 ft/sec TAS 201/203 Impact at 80 ft/sec E8-16a Tensile Testing (Section 12)

Additional HVHZ testing, including ASTM E-8 Tensile, ASTM B-117 Salt spray, ASTM E-84 burn and ASTM D-1929 Ignition testing are documented in the above referenced NOA documents.

Jamb Attachment

The door is to be secured to the building using the fasteners specified in the Chart and Notes 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 “normal” and “parallel” forces, which are tabulated in the Chart and illustrated in Section “B-B”.

Model Descriptions

These model descriptions are specific to this Evaluation.

Model 610 is a rolling steel door using non-insulated C-187 slats (308123).

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.

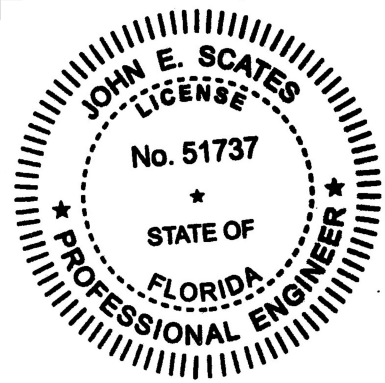
Model 626 is a 625 configured as a high-cycle springless door.

Additional Limitations

The 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.

This product *is* intended for the Florida High Velocity Hurricane Zone (HVHZ).

Digitally signed by John E Scates
Date: 2024.02.27 07:44:34 -06'00'
John E. Scates, P.E.
Florida PE # 51737



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