

John E. Scates, Professional Engineer

May 15, 2025

Wayne-Dalton, A Division of Overhead Door Corporation
2501 S State Hwy 121 Bus, Suite 200
Lewisville, TX 75067

Re: FL 47338-R1
Evaluation Report for Residential Model 8670/8310 Profile Plus door

To Whom It May Concern:

At the request of Wayne-Dalton, a Division of Overhead Door Corporation, I have reviewed the drawings and tests listed below. These doors were tested for static pressure according to ANSI/DASMA 108. Additional impact and cycle testing was performed on select doors according to ANSI/DASMA 115. The pressures listed on the drawings are a direct result of these tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 8th Edition (2023) of the Florida Building Code and IBC/IRC 2018/2021/2024. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

These doors tested for Static only (DASMA 108)

412628 Rev (A), Model 8670, Option Code 0550 up to 10' wide,	+18.4 / -20.8 psf
412629 Rev (A), Model 8670, Option Code 0551 up to 10' wide,	+25.0 / -28.2 psf
412632 Rev (A), Model 8670, Option Code 0554 up to 10' wide,	+15.4 / -17.8 psf
412635 Rev (-), Model 8670, Option Code 0555 up to 16' wide,	+12.7 / -14.8 psf
412636 Rev (-), Model 8670, Option Code 0556 up to 16' wide,	+20.0 / -23.0 psf
412637 Rev (-), Model 8670, Option Code 0557 up to 16' wide,	+23.0 / -25.0 psf
412640 Rev (-), Model 8670, Option Code 0560 up to 16' wide,	+15.4 / -17.8 psf
412641 Rev (-), Model 8670, Option Code 0561 up to 18' wide,	+12.7 / -14.8 psf
412642 Rev (-), Model 8670, Option Code 0562 up to 18' wide,	+15.4 / -17.8 psf
412643 Rev (-), Model 8670, Option Code 0563 up to 18' wide,	+18.4 / -20.8 psf
412633 Rev (-), Model 8670, Option Code 0564 up to 18' wide,	+26.3 / -29.3 psf

These doors tested for Static and Impact (DASMA 108 & DASMA 115)

412630 Rev (A), Model 8670, Option Code 0552 up to 10' wide,	+30.0 / -33.5 psf
412631 Rev (A), Model 8670, Option Code 0553 up to 10' wide,	+39.2 / -43.7 psf
412639 Rev (-), Model 8670, Option Code 0558 up to 16' wide,	+30.0 / -33.5 psf
412638 Rev (-), Model 8670, Option Code 0559 up to 16' wide,	+39.2 / -43.7 psf

412634 Rev (-), Model 8670, Option Code 0565 up to 18' wide, +30.0 / -33.5 psf

Test Reports

These products were tested for **Static pressure only.**

DASMA 108

412628 Option Code 0550	AETR00700
412629 Option Code 0551	AETR00705
412632 Option Code 0554	AETR00751
412635 Option Code 0555	AETR00782
412636 Option Code 0556	AETR00783
412637 Option Code 0557	AETR00784
412640 Option Code 0560	AETR00788
412641 Option Code 0561	AETR00827
412642 Option Code 0562	AETR00829
412643 Option Code 0563	AETR00830
412633 Option Code 0564	AETR00833

These products were tested for **Static and Impact (windborne debris) requirements.**

DASMA 108

DASMA 115

412630 Option Code 0552	AETR00712	AETR00748
412631 Option Code 0553	AETR00713	AETR00747
412639 Option Code 0558	AETR00800	AETR00807
412638 Option Code 0559	AETR00789	AETR00794
412634 Option Code 0565	AETR00834	AETR00847

Test Facility & Procedures

Static testing was conducted in a manner that complied with **ANSI/DASMA 108-2017** at the Overhead Door TREQ test facility in Dallas, Texas during 2024.

Impact and Pressure Cycle testing was conducted in a manner that complied with **ANSI/DASMA 115-2017** at the Overhead Door TREQ test facility in Dallas, Texas during 2024. These doors are not intended for the High Velocity Hurricane Zone (HVHZ).

This laboratory was accredited for these procedures at the time of testing.
The TREQ tests were witnessed and signed by me, a licensed PE of Florida.

Installation Instructions

The drawings provide installation instructions peculiar to windload reinforcement.

Jamb attachment:

The door may be mounted directly to a wood-framed opening only if the wood is Southern Pine (Spec. Gravity 0.55). Otherwise 2x6 wood "Back Jamb" or "bucks" are needed, attached to the building structure as a surface to secure the track brackets, as detailed in the door drawings Sheet2, or in Wayne-Dalton's "Jamb Connection Supplement, p/n 363342".

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

Model Descriptions

Model 8670:

Model 8670 is a foamed-in-place polyurethane door with 27-gauge exterior / 29-gauge interior steel skins. Top and bottom rails have a thickness of 1-5/16", while the mid-height of the exterior has a 1/2" deep recess that may include optional decorative trim. Maximum section height is 27-3/4".

Model 8310:

Model 8310 is a foamed-in-place polyurethane door with 27-gauge exterior / 29-gauge interior steel skins. The overall thickness of the door is 1-5/16" with embossed panel patterns on the exterior. Maximum section height is 27-3/4".

Additional Limitations

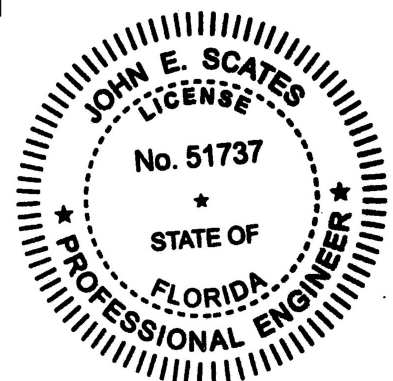
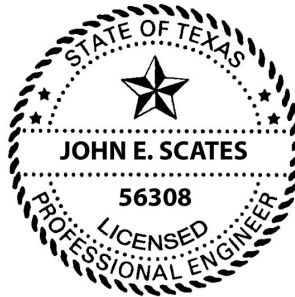
The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of these drawings and instructions as well.

The horizontal track may be reinforced with an angle as needed to support the door weight. The construction of the horizontal track, including the track thickness and additional support when needed, is determined by Wayne-Dalton and does not affect this windload evaluation.

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

Selected products were tested for impact in the wind-borne debris regions, including impact glazing options. Available impact products are noted on each drawing.

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



Digitally signed by John E Scates
Date: 2025.05.15 14:04:48 -05'00'

John E. Scates, P.E.
Florida PE # 51737
Texas PE # 56308 / F-2203

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