

John E. Scates, Professional Engineer

October 16, 2023

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

Re: FL 38456
Evaluation Report for Residential Model 8300 sandwich door family

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. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Three drawings additionally are approved for HVHZ:

- 365439 (NOA 22-0315.04)
- 365446 (NOA 22-0315.05)
- 365453 (NOA 22-0315.06)

Drawings

365433 Rev-, Model 8300, Option Code 2600	up to 9'-2" wide,	+12.8 / -14.8 psf
365434 Rev-, Model 8300, Option Code 2601	up to 9'-2" wide,	+18.4 / -20.8 psf
365435 Rev-, Model 8300, Option Code 2602	up to 9'-2" wide,	+25.0 / -28.2 psf
365436 Rev-, Model 8300, Option Code 2603	up to 9'-2" wide,	+32.6 / -36.9 psf
365437 Rev-, Model 8300, Option Code 2604	up to 9'-2" wide,	+36.8 / -41.6 psf
365438 Rev-, Model 8300, Option Code 2605	up to 9'-2" wide,	+41.3 / -46.7 psf
365439 RevA, Model 8300, Option Code 2606	up to 9'-2" wide,	+46.0 / -52.0 psf
365440 Rev-, Model 8300, Option Code 2607	up to 16'-2" wide,	+12.4 / -14.8 psf
365441 Rev-, Model 8300, Option Code 2608	up to 16'-2" wide,	+18.4 / -20.8 psf
365442 Rev-, Model 8300, Option Code 2609	up to 16'-2" wide,	+25.0 / -28.2 psf
365443 Rev-, Model 8300, Option Code 2610	up to 16'-2" wide,	+32.6 / -36.9 psf
365444 Rev-, Model 8300, Option Code 2611	up to 16'-2" wide,	+36.8 / -41.6 psf
365445 Rev-, Model 8300, Option Code 2612	up to 16'-2" wide,	+41.3 / -46.7 psf
365446 RevA, Model 8300, Option Code 2613	up to 16'-2" wide,	+46.0 / -52.0 psf

365447 Rev-, Model 8300, Option Code 2614	up to 18'-2" wide,	+12.8 / -14.8 psf
365448 Rev-, Model 8300, Option Code 2615	up to 18'-2" wide,	+18.4 / -20.8 psf
365449 Rev-, Model 8300, Option Code 2616	up to 18'-2" wide,	+25.0 / -28.2 psf
365450 Rev-, Model 8300, Option Code 2617	up to 18'-2" wide,	+32.6 / -36.9 psf
365451 Rev-, Model 8300, Option Code 2618	up to 18'-2" wide,	+36.8 / -41.6 psf
365452 Rev-, Model 8300, Option Code 2619	up to 18'-2" wide,	+41.3 / -46.7 psf
365453 RevA, Model 8300, Option Code 2620	up to 18'-2" wide,	+43.0 / -48.0 psf

Note: The drawing titles above are simply descriptive, and do not represent any limitation on the sizes and pressures.

Test Reports

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

DASMA 108

365433 oc2600	AETR 00155
365434 oc2601	AETR 00156
365440 oc2607	AETR 00197
365441 oc2608	AETR 00198
365447 oc2614	AETR 00208
365448 oc2615	AETR 00209

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

DASMA 108

DASMA 115

365435 oc2602	AETR 00157	AETR 00159
365436 oc2603	AETR 00161	AETR 00162
365437 oc2604	AETR 00163	AETR 00164
365438 oc2605	AETR 00165	AETR 00166
365442 oc2609	AETR 00199	AETR 00200
365443 oc2610	AETR 00201	AETR 00202
365444 oc2611	AETR 00203	AETR 00204
365445 oc2612	AETR 00205	AETR 00206
365449 oc2616	AETR 00210	AETR 00211
365450 oc2617	AETR 00212	AETR 00213
365451 oc2618	AETR 00215	AETR 00216
365452 oc2619	AETR 00218	AETR 00219

TAS 201/202/203

365439 oc2606	L7618.01-801-18-R0
365446 oc2613	L7620.01-801-18-R0
365453 oc2620	L7622.01-801-18-R0

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 2020 and 2021.

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 2020 and 2021. These doors are not intended for the High Velocity Hurricane Zone (HVHZ).

HVHZ Testing was conducted in accordance with **TAS 201/202/203-94** by Intertek.

These laboratories were accredited for these procedures at the time of testing.
The TREQ tests were witnessed and signed by me, a licensed PE of Florida.
The Intertek tests were witnessed and signed 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, wood "Back Jamb" or "bucks" are needed, attached to the building structure as a surface to secure the track brackets, as detailed in the "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

This product approval encompasses the Model 8300 family of products.

Models 4600, 4650, 6600, 8300, 8350, 8500, 8650 and the Models 5150, 5200, TM515, and TM525 are insulated sectional overhead doors constructed from galvanized steel sections with foamed in place polyurethane insulation.

Models 4600, 8300, 8350, 5150 and TM515 have 1-5/16" thick panels. The doors are available in heights up to 24'-0".

Models 4650, 8500, 5200 and TM525 have 1-13/16" thick panels. The doors are available in heights up to 24'-0".

Models 6600 and 8650 have 1-5/16" thick panels with a decorative overlay. The doors are available in heights up to 14'-0 ".

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 bottom fixture may be upgraded from the tested part shown on the drawings based on the door weight, as determined by Wayne-Dalton.

These doors were tested with windows/lites in all positions in all sections. As a result, the door may be configured with window(s) in any position(s) desired by the customer.

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), except for these three drawings that are for HVHZ:

- 365439
- 365446
- 365453

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

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