

John E. Scates, Professional Engineer

October 17, 2023

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

Re: FL 38457
Evaluation Report for Residential Model 5745/515 sandwich door family

To Whom It May Concern:

At the request 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:

- 411896 (as 365439 in NOA 22-0315.04)
- 411903 (as 365446 in NOA 22-0315.05)
- 411910 (as 365453 in NOA 22-0315.06)

Drawings

411890 Rev-, Model 5745,	up to 9'-2" wide,	+12.8 / -14.8 psf
411891 Rev-, Model 5745,	up to 9'-2" wide,	+18.4 / -20.8 psf
411892 Rev-, Model 5745,	up to 9'-2" wide,	+25.0 / -28.2 psf
411893 Rev-, Model 5745,	up to 9'-2" wide,	+32.6 / -36.9 psf
411894 Rev-, Model 5745,	up to 9'-2" wide,	+36.8 / -41.6 psf
411895 Rev-, Model 5745,	up to 9'-2" wide,	+41.3 / -46.7 psf
411896 RevA, Model 5745	up to 9'-2" wide,	+46.0 / -52.0 psf
411897 Rev-, Model 5745,	up to 16'-2" wide,	+12.4 / -14.8 psf
411898 Rev-, Model 5745,	up to 16'-2" wide,	+18.4 / -20.8 psf
411899 Rev-, Model 5745,	up to 16'-2" wide,	+25.0 / -28.2 psf
411900 Rev-, Model 5745,	up to 16'-2" wide,	+32.6 / -36.9 psf
411901 Rev-, Model 5745,	up to 16'-2" wide,	+36.8 / -41.6 psf
411902 Rev-, Model 5745,	up to 16'-2" wide,	+41.3 / -46.7 psf
411903 RevA, Model 5745	up to 16'-2" wide,	+46.0 / -52.0 psf

411904 Rev-, Model 5745,	up to 18'-2" wide,	+12.8 / -14.8 psf
411905 Rev-, Model 5745,	up to 18'-2" wide,	+18.4 / -20.8 psf
411906 Rev-, Model 5745,	up to 18'-2" wide,	+25.0 / -28.2 psf
411907 Rev-, Model 5745,	up to 18'-2" wide,	+32.6 / -36.9 psf
411908 Rev-, Model 5745,	up to 18'-2" wide,	+36.8 / -41.6 psf
411909 Rev-, Model 5745,	up to 18'-2" wide,	+41.3 / -46.7 psf
411910 RevA, Model 5745	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

411890 Rev-	AETR 00155
411891 Rev-	AETR 00156
411897 Rev-	AETR 00197
411898 Rev-	AETR 00198
411904 Rev-	AETR 00208
411905 Rev-	AETR 00209

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

DASMA 108

DASMA 115

411892 Rev-	AETR 00157	AETR 00159
411893 Rev-	AETR 00161	AETR 00162
411894 Rev-	AETR 00163	AETR 00164
411895 Rev-	AETR 00165	AETR 00166
411899 Rev-	AETR 00199	AETR 00200
411900 Rev-	AETR 00201	AETR 00202
411901 Rev-	AETR 00203	AETR 00204
411902 Rev-	AETR 00205	AETR 00206
411906 Rev-	AETR 00210	AETR 00211
411907 Rev-	AETR 00212	AETR 00213
411908 Rev-	AETR 00215	AETR 00216
411909 Rev-	AETR 00218	AETR 00219

TAS 201/202/203

411896	L7618.01-801-18-R0
411903	L7620.01-801-18-R0
411910	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**.

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 411526".

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 5745/515 family of products.

Models 5745, 5765, 7565, 7655, 515, 525 are insulated sectional overhead doors constructed from galvanized steel sections with foamed in place polyurethane insulation.

Models 5745 and 515 have 1-5/16" thick panels. The doors are available in heights up to 24'-0".

Models 5765 and 525 have 1-13/16" thick panels. The doors are available in heights up to 24'-0".

Models 7565 and 7655 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 Overhead Door 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 Overhead Door.

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:

- 411896
- 411903
- 411910

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

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