

John E. Scates, Professional Engineer

February 23, 2024

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

Re: FL 32360
Evaluation Report for Residential Model 9100 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.

Drawings

Drawing 411625 RevA Option Code 0640, up to 9' wide +12.7 / -14.4 psf	
Drawing 411626 RevA Option Code 0641, up to 9' wide +15.4 / -17.4 psf	
Drawing 411627 RevA Option Code 0642, up to 9' wide +18.4 / -20.8 psf	
Drawing 411628 RevA Option Code 0643, up to 9' wide +25.0 / -28.2 psf	
Drawing 411629 RevA Option Code 0644, up to 9' wide +32.6 / -36.9 psf	
Drawing 411630 RevA Option Code 0645, up to 9' wide +41.3 / -46.7 psf	
Drawing 411632 RevA Option Code 0646, up to 9' wide +46.0 / -52.0 psf	
Drawing 412300 RevB Option Code 0681, up to 9' wide +12.7 / -14.8 psf	(9605/TS120)
Drawing 412549 Rev- Option Code 0684, up to 9' wide +18.4 / -20.8 psf	(9605/TS120)
Drawing 412301 RevA Option Code 0682, up to 9' wide +23.0 / -25.0 psf	(9605/TS120)
Drawing 412299 RevB Option Code 0680, up to 9' wide +28.0 / -32.0 psf	(9605/TS120)
Drawing 412302 RevA Option Code 0683, up to 9' wide +34.4 / -38.3 psf	(9605/TS120)
Drawing 411633 RevA Option Code 0647, up to 16' wide +12.7 / -14.4 psf	
Drawing 411634 RevA Option Code 0648, up to 16' wide +15.4 / -17.4 psf	
Drawing 411635 RevA Option Code 0649, up to 16' wide +18.4 / -20.8 psf	
Drawing 411636 RevA Option Code 0650, up to 16' wide +23.0 / -25.0 psf	
Drawing 411637 RevA Option Code 0651, up to 16' wide +25.0 / -28.2 psf	
Drawing 411638 RevA Option Code 0652, up to 16' wide +28.7 / -32.4 psf	

Drawing 411639 RevA Option Code 0653, up to 16' wide +32.6 / -36.9 psf	
Drawing 411640 RevA Option Code 0654, up to 16' wide +41.3 / -46.7 psf	
Drawing 412303 RevB Option Code 0685, up to 16' wide +12.7 / -14.8 psf	(9605/TS120)
Drawing 412304 RevA Option Code 0686, up to 16' wide +20.0 / -23.0 psf	(9605/TS120)
Drawing 412306 RevA Option Code 0688, up to 16' wide +25.0 / -28.2 psf	(9605/TS120)

Drawing 411641 Rev- Option Code 0655, up to 18' wide +12.7 / -14.4 psf	
Drawing 411642 Rev- Option Code 0656, up to 18' wide +18.4 / -20.8 psf	
Drawing 411643 Rev- Option Code 0657, up to 18' wide +25.0 / -28.2 psf	
Drawing 411644 Rev- Option Code 0658, up to 18' wide +32.6 / -36.9 psf	
Drawing 411645 Rev- Option Code 0659, up to 18' wide +41.3 / -46.7 psf	
Drawing 412307 RevA Option Code 0690, up to 18' wide +12.7 / -14.8 psf	(9605/TS120)
Drawing 412308 RevA Option Code 0691, up to 18' wide +15.4 / -17.3 psf	(9605/TS120)
Drawing 412471 Rev- Option Code 0692, up to 18' wide +20.0 / -23.0 psf	(9605/TS120)

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	
411625 Option Code 0640	AETR 00081	
411626 Option Code 0641	AETR 00082	
411627 Option Code 0642	AETR 00083	
412300 Option Code 0681	AETR 00596	
412549 Option Code 0684	AETR 00617	
412301 Option Code 0682	AETR 00611	
412299 Option Code 0680	AETR 00593	
411633 Option Code 0647	AETR 00047	
411634 Option Code 0648	AETR 00048	
411635 Option Code 0649	AETR 00049	
411636 Option Code 0650	AETR 00053	
412303 Option Code 0685	AETR 00499	
412304 Option Code 0686	AETR 00495	
412306 Option Code 0688	AETR 00498	AETR00636 (7' tall)
411641 Option Code 0655	AETR 00093	
411642 Option Code 0656	AETR 00094	
412307 Option Code 0690	AETR 00530	
412308 Option Code 0691	AETR 00506	
412471 Option Code 0692	AETR 00531	AETR00540 (7' tall)

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

	DASMA 108	DASMA 115
411628 Option Code 0643	AETR 00084	AETR 00115
411629 Option Code 0644	AETR 00086	AETR 00121
411630 Option Code 0645	AETR 00088	AETR 00091
411632 Option Code 0646	AETR 00090	AETR 00091
412302 Option Code 0683	AETR 00597 AETR00620 (7' tall)	AETR 00598
411637 Option Code 0651	AETR 00054	AETR 00052
411638 Option Code 0652	AETR 00055	AETR 00056
411639 Option Code 0653	AETR 00069	AETR 00071
411640 Option Code 0654	AETR 00072	AETR 00113
411643 Option Code 0657	AETR 00095	AETR 00096
411644 Option Code 0658	AETR 00097	AETR 00098
411645 Option Code 0659	AETR 00099	AETR 00100

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 in 2020 & 2023.

Impact and Pressure Cycle testing was conducted in accordance with **ANSI/DASMA 115-2017** at the Overhead Door TREQ test facility in Dallas, Texas in 2020 & 2023. These doors are not intended for the High Velocity Hurricane Zone (HVHZ).

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

The TREQ tests were witnessed and signed by John E. Scates P.E., 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 "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

All tested doors were Model 9100. Included in this evaluation as "equivalent" are:

Model 5120/9100 is constructed of 30 gage exterior steel skin with a G-30 galvanized coating and two coats of polyester paint, a foamed in place polyurethane core, with an interior poly laminate skin, having a thickness of 1.2" at the end stiles. Includes foamed-in-place ribs and a stamped or flush facer design.

Model 514x/9405 is constructed of 30 gage exterior steel skin with a G-30 galvanized coating and two coats of polyester paint, a foamed in place polyurethane core, with an interior poly laminate skin, having a thickness of 1.4" for sections with a maximum height of 24". Includes foamed-in-place ribs and a ¼" deep recessed facer panel that may use optional decorative trim.

Model 9600 is constructed of 30 gage exterior steel skin with a G-30 galvanized coating and two coats of polyester paint, a foamed in place polyurethane core, with an interior galvanized and painted 32 gage skin, having a thickness of 1.4" for sections with a maximum height of 24". Includes foamed-in-place ribs and a stamped or flush facer design.

Model 9605 is constructed of 30 gage exterior steel skin with a G-30 galvanized coating and two coats of polyester paint, a foamed in place polyurethane core, with an interior galvanized and painted 32 gage skin, having a thickness of 1.2" at end stiles for sections with a maximum height of 21" and a thickness of 1.4" for sections with a maximum height of 24". Includes foamed-in-place ribs and a stamped or flush facer design.

Model TS100 is the commercial version of 9100, with pinstriped exterior.

Model TS120 is the commercial version of 9605, with pinstriped exterior.

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.

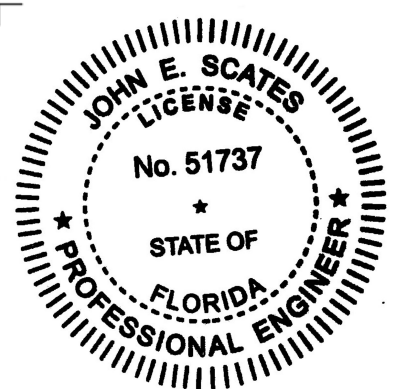
The rated pressures may not be achieved unless the door is held closed during the wind event. The door must be locked closed prior to the wind event.

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: 2024.02.23 15:08:38 -06'00'

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



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