

John E. Scates, Professional Engineer

September 11, 2020

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

Re: FL 21465-R2
Evaluation Report for Residential Model 5140/9100/9600 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. 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 7th Edition (2020) of the Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

Option Code 0240, Drawing 360629-P00 up to 9' wide	+26.9 / -30.8 psf
Option Code 0241, Drawing 360630-P00 up to 16' wide	+15.3 / -17.0 psf
Option Code 0242, Drawing 360631-P00 up to 16' wide	+25.9 / -28.8 psf
Option Code 0243, Drawing 360632-P00 up to 18' wide	+12.4 / -13.8 psf
Option Code 0610, Drawing 360633-P00 up to 9' wide	+26.9 / -30.8 psf
Option Code 0611, Drawing 360634-P00 up to 16' wide	+15.3 / -17.0 psf
Option Code 0612, Drawing 360635-P00 up to 18' wide	+15.3 / -17.0 psf
Option Code 0613, Drawing 360636-P00 up to 18' wide	+30.0 / -33.5 psf

Test Reports

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

DASMA 108

ETR-08455 for O.C. 0240, Drawing 360629-P0, Model 9100
ETR-09386 for O.C. 0240, Drawing 360629-P0, Model 9100 additional window sizes.
ETR-08456 for O.C. 0241, Drawing 360630-P0, Model 9100
ETR-08457 for O.C. 0242, Drawing 360631-P0, Model 9100
ETR-09387 for O.C. 0242, Drawing 360629-P0, Model 9100 additional window sizes.
ETR-08458 for O.C. 0243, Drawing 360632-P0, Model 9100
ETR-08459 for O.C. 0610, Drawing 360633-P0, Model 9100
ETR-08460 for O.C. 0611, Drawing 360634-P0, Model 9100
ETR-08461 for O.C. 0612, Drawing 360635-P0, Model 9100
ETR-08462 for O.C. 0613, Drawing 360636-P0, Model 9100

Test Facility & Procedures

Static testing was conducted in accordance with **ANSI/DASMA 108-05 (and -2012, -2017)** at the Overhead Door TREQ test facility in Dallas, Texas in 2020.

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-P01".

The "Track Supplement" provides information on substituting commercial track.

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. Includes foamed-in-place ribs and a stamped or flush facer design.

Up to 21" sections have a thickness of 1.2" at the end stiles.

24" sections have a thickness of 1.4" at the end stiles.

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. Includes foamed-in-place ribs and a ¼" deep recessed facer panel that may use optional decorative trim.

Up to 24" sections have a thickness of 1.4" at the end stiles.

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. Includes foamed-in-place ribs and a stamped or flush facer design.

Up to 24" sections have a thickness of 1.4" at the end stiles.

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. Includes foamed-in-place ribs and a stamped or flush facer design.

Up to 21" sections have a thickness of 1.2" at the end stiles.

24" sections have a thickness of 1.4" at the end stiles.

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.

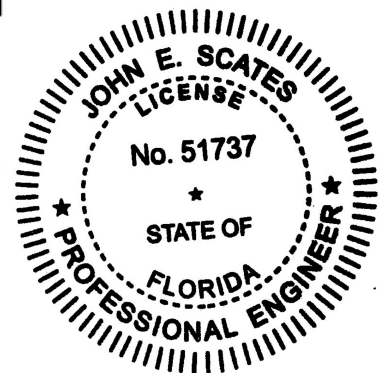
The rated pressures may not be achieved unless the door is held closed during the wind event. The door must be locked closed, or alternately an electric drawbar operator attached to the door prior to the wind event.

Some of these products include an option for windows or "lites". Windows are only allowed in the third or higher section of these doors.

Door height is limited to 5 sections tall. Some models are limited to 21" tall sections, and others to 24" sections. See the drawing title block for the overall height dimension.

These products were not tested for wind-borne debris. However, when constructed without glazing, they may qualify for use in wind-borne debris regions according to the FBC.

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



Digitally signed by John E. Scates, P.E.

Date: 2020.09.11 15:43:38 -05'00'

John E. Scates, P.E.

Florida PE # 51737

The digitally signed file is the original. Printed copies are not originals (just as copies of paper-signed documents are not originals).