

John E. Scates, Professional Engineer

September 8, 2020

Windsor Door
5800 Scott Hamilton Rd
Little Rock, AR 72119

Re: FL 15062-R4
Evaluation Report for Commercial Pan Doors Model 240/200

To Whom It May Concern:

At the request of Windsor Door, I have reviewed the drawings and tests listed below. The pressures listed on the drawings are either direct results of the tests, or results obtained through rational engineering analysis based on the actual tests. I have concluded that the construction shown on these drawings comply with the wind load 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

These products were tested to DASMA 108 (static):

99-B-094 Rev B	10'-2" wide x 16' tall	for +20.7 / -23.1 psf*
99-B-092 Rev D	12'-2" wide x 16' tall	for +23.7 / -26.6 psf*
99-B-092 Rev D	16'-2" wide x 16' tall	for +19.6 / -21.8 psf*
99-B-093 RevD	12'-2" wide x 16' tall	for +38.3 / -43.0 psf*
99-B-093 RevD	16'-2" wide x 16' tall	for +26.1 / -29.1 psf*

* psf for the largest door size. Pressures for other sizes are on the drawings.

Note: The drawing titles above are simply descriptive, and do not represent any limitation on the sizes and pressures. Each drawing contains a table with the full sizes vs. psf ratings.

Test Reports

Testing was conducted on Model 240. The Model 200 is a superior strength door to the 240 since both are the same construction with pan thicknesses of 24-gage and 20-gage respectively.

Testing was conducted in accordance with ANSI/DASMA 108-05. The test method used also complied with ANSI/DASMA 108-2012 and -2017.

Test Report numbers:

9' wide Model 240
ETR-2009_12_01B

12' wide Model 240
ETR-0243
ETR-0244

16' wide Model 240
ETR-0246
ETR-0247

Test Lab

Tests were conducted at Windsor Test Lab in Little Rock, AR. This facility was A2LA accredited to conduct the DASMA 108 test procedure at the time of testing.

The test reports were signed by a Florida P.E.

Installation

Anchorage Requirements:

The door drawings include means to attach the doors to the building structure as detailed on each drawing.

The direct mounting of door track on top of drywall or other non-structural material is outside of the scope of this wind load evaluation.

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 door onto the building.

Model Descriptions

Model 240 is a commercial pan door using a 24-gage pan.

Model 200 is a commercial pan door using a 20-gage pan.

These models have an "I" variant that adds styrene insulation.

These models have an "RSI" variant that adds steel-back styrene insulation.

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.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

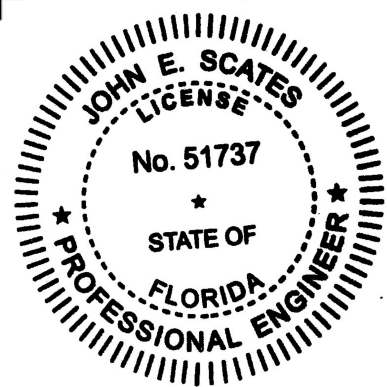
The maximum door width approved with this report is 16'-2" wide.

The maximum door height approved with this report is 8-sections (16' tall).

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, is determined by Windsor Door and does not affect this windload evaluation.

The rated pressures may not be achieved unless the door is held closed during the wind event. Both tracks must be engaged with a lock (right and left side), or alternately an electric drawbar operator attached to the door prior to the wind event. For Lift Clearance and Full Vertical track construction, a spring shaft ("jackshaft") operator may also be used.

No evaluation has been conducted to determine the impact performance of these door constructions. Clearly, this excludes the Florida High Velocity Hurricane Zone (HVHZ) as well.



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

Date: 2020.09.08 11:18:08 -05'00'

John E. Scates, P.E.

Florida PE # 51737

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