

John E. Scates, Professional Engineer

September 23, 2021

Mid-America Door
1001 W Hartford Ave
Ponca City, OK 74601-2423

**Re: Evaluation Report for Regal/Celebrity/American 100/Vantage Series doors
FL 24537**

To Whom It May Concern:

At the request of Mid-America Door, I have reviewed the drawings and tests listed below. The pressures listed on the drawings are direct results of these tests or conservative engineering rational analysis from the actual tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 7th Edition (2020) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

This Evaluation Report is valid for door products purchased as a complete door assembly from Mid-America Door in Ponca City, OK. Doors assembled from parts gathered from multiple sources by "after market" installers, thus acting as Manufacturers, must comply with the Quality Assurance and other oversight requirements of the Florida Statutes upon which this Approval relies.

Drawings

RC-FWL3-0907 Rev 1, Regal Series, 9' wide, +16.1 / -18.2 psf
RC-FWL4-0907 Rev 1, Regal Series, 9' wide, +19.1 / -22.0 psf
RC-FWL5-0907 Rev 1, Regal Series, 9' wide, +22.9 / -26.3 psf
RC-FWL7-0907 Rev 1, Regal Series, 9' wide, +27.6 / -31.2 psf
RC-FWL8-0907 Rev 1, Regal Series, 9' wide, +31.2 / -35.8 psf

RC-FWL3-1607 Rev 1, Regal Series, 16' wide, +15.5 / -17.2 psf
RC-FWL4-1607 Rev 1, Regal Series, 16' wide, +17.7 / -19.7 psf
RC-FWL5-1607 Rev 1, Regal Series, 16' wide, +20.4 / -22.7 psf
RC-FWL6-1607 Rev 1, Regal Series, 16' wide, +23.3 / -26.0 psf
RC-FWL7-1607 Rev 1, Regal Series, 16' wide, +26.4 / -29.4 psf
RC-FWL8-1607 Rev 2, Regal Series, 16' wide, +30.0 / -33.5 psf

VAN-FWL5-0907 Rev 1,	Vantage Series, 9' wide, +21.4 / -24.1 psf
VAN-FWL6-0907 Rev 1,	Vantage Series, 9' wide, +24.3 / -27.5 psf
VAN-FWL7-0907 Rev 1,	Vantage Series, 9' wide, +27.6 / -31.2 psf
VAN-FWL8-0907 Rev 1,	Vantage Series, 9' wide, +30.8 / -34.8 psf

VAN-FWL4-1607 Rev 1,	Vantage Series, 16' wide, +17.7 / -19.7 psf
VAN-FWL5-1607 Rev 1,	Vantage Series, 16' wide, +20.5 / -22.8 psf
VAN-FWL6-1607 Rev 1,	Vantage Series, 16' wide, +23.3 / -26.0 psf
VAN-FWL7-1607 Rev 1,	Vantage Series, 16' wide, +26.4 / -29.4 psf
VAN-FWL8-1607 Rev 1,	Vantage Series, 16' wide, +30.0 / -33.5 psf

These drawings contain additional widths/psf. See drawings for details.

Tests

Testing was conducted in accordance with ASTM E330-14 in a manner that also complied with ANSI/DASMA 108-2012 (and -2017).

Testing was conducted by ENCON Technology Inc., in Tulsa, OK. This facility and location met the accreditation and independence requirements of Florida. The testing was witnessed and signed by John E. Scates, P.E.

Test Report numbers:

9' wide

ETR-2018-0123a (ENCON C2212-1)
 ETR-2018-0123b (ENCON C2212-2)
 ETR-2018-0123c (ENCON C2212-3)
 ETR-2018-0123d (ENCON C2212-4)
 ETR-2018-0123e (ENCON C2212-5)
 ETR-2018-0123e (ENCON C2212-5)
 ETR-2018-0412a (ENCON C2231-1)
 ETR-2018-0412b (ENCON C2231-2)
 ETR-2018-0412c (ENCON C2231-3)
 ETR-2018-0412d (ENCON C2231-4)

16' wide

ETR-2017-1128a (ENCON C2200-1)
 ETR-2017-1128b (ENCON C2200-2)
 ETR-2017-1129a (ENCON C2200-3)
 ETR-2017-1129b (ENCON C2200-4)
 ETR-2018-0410a (ENCON C2229-1)
 ETR-2018-0410c (ENCON C2229-3)
 ETR-2018-0410d (ENCON C2229-4)
 ETR-2018-0411a (ENCON C2229-5)
 ETR-2018-0411b (ENCON C2229-2)
 ETR-2018-0411c (ENCON C2229-6)
 ETR-2018-0411d (ENCON C2229-7)

Installation Instructions

Install the door according to the specific reinforcements shown on these drawings. Where a conflict is present between these drawings and normal residential installation, these drawings prevail.

Jamb attachment:

These doors were tested on a 2x6 Southern Yellow Pine mounting surface as illustrated on the door drawings. Mounting of 2x6 wood "Back Jamb" or "bucks" to the building structure as a surface to secure the track brackets is detailed on this drawing:

RCWL-0001 Rev6 Jamb Plate Fastener Schedule.

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. Additional information is available in DASMA TDS-161 (Technical Data Sheet) at www.dasma.com.

Model Description

These residential doors are 2-inch nominal thickness.

For pan doors, the Regal model was tested. All of these models are equivalent or better to the Regal:

"Regal" series uses a 25 gage pan.

"Celebrity" series uses a 24 gage pan.

Additional overlay configurations based on the Regal, such as the American 100, are listed in Note 1 of each drawing.

For sandwich doors, the Vantage model was tested. All of these models are equivalent or better to the Vantage:

"Vantage" 2-inch thick styrene sandwich with 26 gage skins.

Overlay configurations that are based on the Vantage, such as the American 200, are listed in Note 1 of each drawing.

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 maximum door width approved with this report is 20' wide.

The maximum door height approved with this report is 8-sections (14' tall). Half-incline vertical track must be used for doors taller than 7-sections.

Low Headroom track may be used in lieu of the Standard Lift track. 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 Mid-America Door and does not affect this windload evaluation.

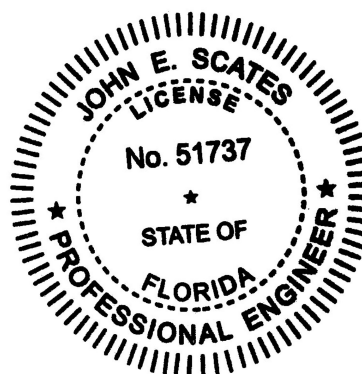
The rated pressures may not be achieved unless the door is held closed during the wind event. The track must be engaged with a lock (or two locks on 2-car widths with extension springs), or alternately an electric drawbar operator attached to the door prior to the wind event.

Windows may be added to these doors if illustrated on the drawings without reduction of windload rating.

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

Digitally signed by John E Scates
Date: 2021.09.23 12:49:01 -05'00'

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



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