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February 16, 2026

RE Panels USA Inc
180 Joe Frank Harris Pkwy SE
Bldg 400 suite 440
Cartersville, GA 30120

Re: FL 47762-R2
Evaluation Report for Residential Pan Doors R Series

To Whom It May Concern:

At the request of RE Panels USA 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. The pressures listed on the drawings are direct results of these tests or conservative engineering rational analysis from the actual tests, except that no extrapolation of impact pressures were used. I have concluded that the construction shown on these drawings comply with the wind load 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

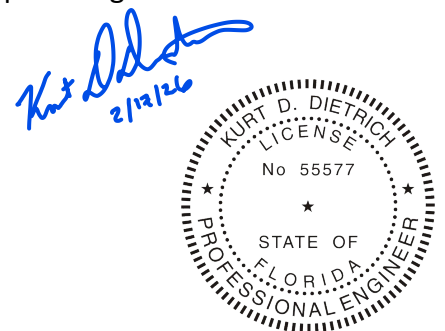
These drawings were tested to DASMA 108 (static):

T1004,	8' wide x 8' tall	for +33.0 / -39.3 psf
T1005,	18' wide x 8' tall	for +19.4 / -21.9 psf

These drawings are were tested to windborne debris and static pressure

T1001,	8' wide x 8' tall	for +28.5 / -33.8 psf
T1003,	18' wide x 8' tall	for +19.4 / -21.9 psf

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 size vs. psf ratings.



Test Reports

Static testing was conducted in accordance with ANSI/DASMA 108-2012. **The static test method complied with ANSI/DASMA 108-2017.**

The R Series door was tested, understood to be the minimum or equivalent of all models listed herein.

The tested doors were the widest size with tallest section height, being 8x8 and 18x8. These sizes therefore also demonstrated smaller sizes of 14', 16' along with shorter section heights of 19.25" to create 8' tall, 5-section stacks. No extrapolation of the impact/windborne debris pressures was used.

Impact & cycle testing was conducted in accordance with ANSI/DASMA 115-2017, and per TAS 201/203-94.

The Intertek test reports were:

FL47762_R0_II_s1490.01-550-44-r1

FL47762_R0_II_s1490.02-550-44-r1

FL47762_R0_II_s1490.03-550-44-r1

FL47762_R0_II_s1490.04-550-44-r1

Design wind loads for other door widths were calculated by comparative analysis based on the 8' & 18' wide door for calibration of the calculations. Based on comparative analysis from maximum bending moments ($M=wL^2/8$) on critical design members. The design pressure can be compared to changes in door width with the equation below:

$$L_1^2 / L_2^2 = w_2 / w_1$$

Where,

L_1 width of door 1 and L_2 width of door 2

w_1 is wind load pressure of door 1 and w_2 is wind load pressure of door 2



Test Lab

Static tests were conducted at Architectural Testing Inc. test lab in Lithia Springs, GA. This facility was A2LA accredited to conduct the DASMA 108 test procedure at the time of testing.

Impact and Pressure Cycle testing was conducted in a manner that complied with **ANSI/DASMA 115-2017** at the Architectural Testing in Lithia Springs, GA.

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

Installation

The drawings illustrate the relevant windload details for installation of the doors.

Jamb Attachment:

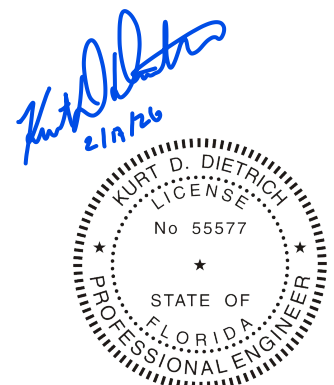
It is recommended that the door opening be framed on the inside face with 2x6 Southern Pine lumber secured to the building as a mounting surface for the door itself. DASMA TDS-161 may be used as a reference to determine how to attach a 2x6.

Mounting the door directly to drywall or CMU has not been evaluated.

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. (A 2x6 may be mounted on drywall, but track brackets must rest on wood.)

The location of the track brackets as shown on these drawings may vary by plus or minus 1.5 inches.

These drawings only illustrate common means of attaching the door to the jambs and other suitable materials. Methods of attaching jambs to mounting surface are specified on the drawing.



Model Descriptions

These door models are included in this approval for all drawings:
Model R Series, Model S Series

The R Series doors are 40mm nominal thickness, The S Series doors are 39.5mm nominal thickness.

Both Model R Series and Model S Series have a 24 gage external face and 30 gage interior face sandwich door with expanded polystyrene insulation. The internal and external panel skins are folded over each other multiple times to create a suitable thickness for the fasteners attaching the hardware.

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 18' 2" wide.
The maximum door height approved with this report is 16'.

Standard Lift track (12" radius) used in testing. 15" radius track is also allowable.

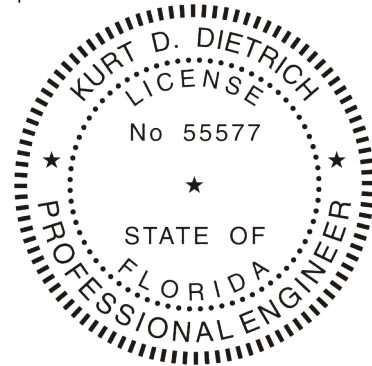
The horizontal track may be reinforced with an angle as needed to support the door weight. The construction of the horizontal track, including the track thickness, is determined by RE Panels USA and does not affect this windload evaluation.

The rated pressures may not be achieved unless the door is held closed during the wind event. Locks must be engaged into both tracks for 2-car widths, and into at least one track for 1-car widths.



Some of these doors have been tested to Large Missile Impact requirements per ANSI/DASMA 115. However, they have not been fully evaluated for use in the Florida High Velocity Hurricane Zone (HVHZ)


2/9/26



Kurt D. Dietrich, P.E. on behalf of Kurt Dietrich PE PLLC
Florida PE # 55577

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