

John E. Scates, Professional Engineer

July 18, 2025

Ranch House Doors, Inc.
1527 Pomona Rd.
Corona, CA 92878

Re: Ranch House Doors
Evaluation Report for Residential Wood Doors

To Whom It May Concern:

At the request of Ranch House Doors, 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 8th Edition (2023) 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):

24-1217A-10x8W Rev2	10' wide x 8' tall	for +25.6 / -28.8 psf
24-1217A3-10x8 Rev1	10' wide x 8' tall	for +29.5 / -32.8 psf
24-1217B-10x8 Rev1	10' wide x 8' tall	for +27.8 / -31.0 psf
24-1218B-16x8 Rev2	16' wide x 8' tall	for +23.3 / -26.0 psf
24-1218C-16x8 Rev1	16' wide x 8' tall	for +29.5 / -32.8 psf

The door pressures are the for the tested door width. Pressures for additional door widths were computed using standard comparative rational analysis for sectional doors. A table of additional widths, with their associated allowable psf, is included on Sheet 4 of each drawing.

Test Reports

Static testing was conducted in accordance with **ANSI/DASMA 108-17**.

The CCL test reports are:

Report	Drawing
CCL Report 25-003	24-1217A-10x8W
CCL Report 25-004	24-1217A3-10x8
CCL Report 25-005	24-1217B-10x8
CCL Report 25-006	24-1218B-16x8
CCL Report 25-007	24-1218C-16x8

The flush wood door was tested, understood to be the minimum or equivalent of all models. These doors are normally sold with added exterior wood planks, which do not reduce the strength of the door.

Test Lab

Static tests were conducted at Construction Consulting Laboratory (CCL) in Carrollton, TX. This facility was accredited to conduct the DASMA 108 test procedure at the time of testing.

The tests were witnessed and reports signed by a Florida P.E., John E. Scates.

Installation

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

The door track must be mounted to Southern Pine.

It is recommended that the door opening be framed on the inside face with 2x6 Southern Pine secured to the building as a mounting surface for the door itself. This provides a method where the building is not Southern Pine, or where drywall is present. Various means of fastening the 2x6 to the building are illustrated in DASMA Tech Data Sheet TDS-161 at www.dasma.com

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 2 inches.

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

Each section is built on a wood frame of horizontal rails, vertical end stiles, and intermediate stiles.

- Bottom of Door rail = 3 1/8" tall.
- Intermediate rails = 2-1/4" tall. (ship-lap joints).
- Top of door rail = 3 1/8" tall for unglazed section.
- Top of door rail = 6" tall for glazed section.
- Vertical End Stiles = 6" wide.
- Intermediate Stiles = 3" wide.
- Overall Flush Section thickness = 1-3/4"
- All rails and stiles were 1-3/32" thick Hemp/Fir.
- Skins (Interior and Exterior) are 5.2mm (0.205") thick Luann.
- Additional 1/4" plywood is added to the exterior surface.

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 20' wide.

The maximum door height approved with this report is 6-sections.

The maximum section height approved is 28-inches.

Double-track Low Headroom may be used with this product on drawings where it is listed as an option. A "quick-turn" low-headroom device may NOT be used on windloaded doors.

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 Ranch House Door and does not affect this windload evaluation.

The edges of the door must overlap a secure wood surface to provide at least 1/2-inch of overlap with each edge of the door.

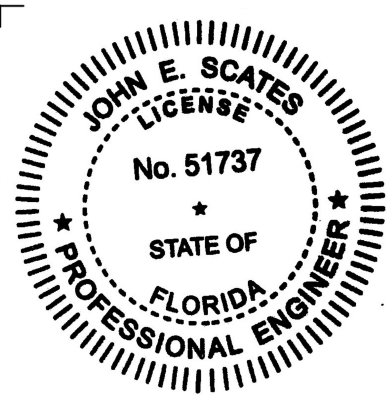
The rated pressures may not be achieved unless the door is held closed during the wind event. Locks must be engaged into both tracks.

Some of the products offer glazing as an option:

- Since the glazing is not impact-resistant, doors with glazing may not be used in a Windborne-Debris region.
- The door retains the same psf rating with or without optional glazing.

This product has not been impacted tested and is not for use in the High Velocity Hurricane Zone (HVHZ).

Digitally signed by John E Scates
Date: 2025.07.18 09:56:04 -04'00'



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

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