

John E. Scates, Professional Engineer

February 21, 2024

Safe-Way Garage Doors
3814 E US 30
Warsaw, IN 46580

Re: FL 14424
Evaluation Report for Pan and Sandwich Garage Doors

To Whom It May Concern:

At the request of Safe-Way Garage Doors, I have reviewed the drawings and tests listed below. These tests were conducted at Construction Consulting Laboratory (CCL) in accordance with ANSI/DASMA 108 test procedure. 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 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):

D-4120 RevA	Pan 9'-0" wide,	+19.14 / -21.63 PSF
D-4124 RevA	Pan 16'-0" wide,	+18.33 / -20.43 PSF
D-4121 RevA	Sandwich 9'-0" wide,	+19.14 / -21.63 PSF
D-4122 RevA	Sandwich 9'-0" wide,	+22.46 / -25.39 PSF
D-4123 RevA	Sandwich 9'-0" wide,	+26.05 / -29.45 PSF
D-4125 RevA	Sandwich 16'-0" wide,	+18.33 / -20.43 PSF
D-4126 RevA	Sandwich 16'-0" wide,	+21.50 / -23.98 PSF
D-4127 RevA	Sandwich 16'-0" wide,	+24.95 / -27.81 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 full sizes vs. psf ratings.

Test Reports

All testing was conducted in a manner that complied with **DASMA 108-2017**.

Tests were conducted in January 2024 at:

Construction Consulting Laboratory (CCL)
1601 Luna Rd
Carrollton, Texas.

This facility was independently accredited per Florida rules to perform these test procedures at the time of testing. I personally witnessed the testing.

Static pressure testing was conducted in accordance with ANSI/DASMA 108-2017.

Drawing	CCL Report #
D-4120	CCL 24-003
D-4121	CCL 24-004
D-4122	CCL 24-005
D-4123	CCL 24-006
D-4124	CCL 24-007
D-4125	CCL 24-008
D-4126	CCL 24-010
D-4127	CCL 24-009

Installation

Anchorage Requirements:

The door drawings include means to attach the doors to a Southern Pine 2x6 that is secured to the building structure.

The direct mounting of door track onto drywall or other non-structural material is not allowed with these windloaded doors. The track brackets must rest with full contact on wood. However, the 2x6 may be mounted to the building on top of drywall.

This Evaluation Report does not address design of the wall/jambs themselves. Walls and Jambs should be designed (by others) to withstand the loads imposed by door onto the building.

Model Descriptions

In each family of doors, the weakest or thinnest skin product was tested to prove the entire family line. Thus, these door model variations are approved for each family of the drawings:

The Pan Models are 2-inches thick. These variations are included in this approval:

25 gauge: Model "58 Choice" (tested)

Models approved: 46, 47, 48, 49, 56, 57, 58, 59, 60, 61

24 gauge: Models approved: 40, 41, 42, 43, 50, 51, 52, 53, 54, 55

The Sandwich Models are 2-inches thick. These variations are included in this approval:

27 gauge polystyrene: Model "67 Regency" (tested)

Models approved: 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 266, 270, 271, 274

27 gauge polyurethane:

Models approved: 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 272, 273, 275, 286

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.

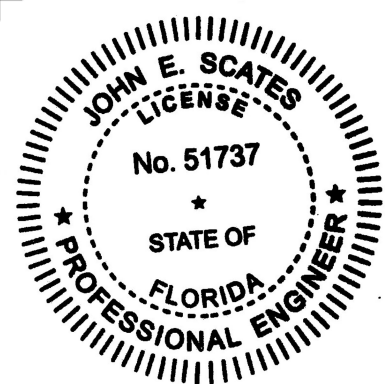
Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

The maximum door width approved with this report is listed on each drawing.
The maximum door height approved with this report is 16' nominal.

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 Safe-Way Garage Doors 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 bar (right and left side).

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



Digitally signed by John E Scates
Date: 2024.02.21 10:35:20 -06'00'

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

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