

John E. Scates, Professional Engineer

December 18, 2024

Service Spring Corp.
6615 Maumee Western Rd.
Maumee, OH 43537

Re: Model: Invicta
Evaluation Report for Residential Pan Doors Model "Invicta"

To Whom It May Concern:

At the request of Service Spring Corp., 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):

INV-W-PAN-SI-108-1,	9'-2" wide x 8' tall	for +20.0 / -22.6 psf
INV-W-PAN-DB-108-1,	16'-2" wide x 8' tall	for +15.4 / -17.2 psf
INV-W-PAN-DB-108-2,	16'-2" wide x 8' tall	for +20.0 / -20.0 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 November 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.

The test reports were signed by a Florida PE. I personally witnessed the testing.

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

Drawing	CCL Report #
INV-W-PAN-SI-108-1	CCL 24-211
INV-W-PAN-DB-108-1	CCL 24-213
INV-W-PAN-DB-108-2	CCL 24-212

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

These door models are included in this approval for all drawings:

Model “**Invicta**”

Invicta is a 2" thick, 24-gage steel pan door.

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 14' 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 Service Spring 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).

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

John E. Scates, P.E.

Florida PE # 51737

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