

John E. Scates, Professional Engineer

August 5, 2025

Haas Door
Mark Schweitzer
320 Sycamore St.
Wauseon, OH 43567

Re: FL 27613-r6
Evaluation Report for Aluminum Sandwich

To Whom It May Concern:

At the request of Haas Door Company, I have reviewed the drawings and tests listed below. These tests were conducted at Haas Door Company Test Lab according to ANSI/DASMA 108 and ANSI/DASMA 115 test procedures. 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 structural requirements of the 8th edition (2023) of the Florida Building Code, and IBC/IRC 2018/2021/2024 (Texas). I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

These products were tested to DASMA 108 (static) and DASMA 115 (impact):

WL-5000-0110-08-40-45 RevL	9'-2" wide, +40.0/-45.0 PSF	HT 5000 & 9000a Series
WL-5000-0110-08-40-45L RevL	9'-2" wide, +40.0/-45.0 PSF	HT 5000 Series w/ Lites
WL-5000-0122-08-48-52 RevG	10'-2" wide, +48.0/-52.0 PSF	HT 5000 & 9000a Series
WL-5000-0122-08-48-52L RevG	10'-2" wide, +48.0/-52.0 PSF	HT 5000 Series w/ Lites
WL-5000-0194-08-31-35 RevL	16'-2" wide, +31.3/-34.9 PSF	HT 5000 & 9000a Series
WL-5000-0194-08-31-35L RevK	16'-2" wide, +31.3/-34.9 PSF	HT 5000 Series w/ Lites
WL-5000-0218-08-30-34 RevL	18'-2" wide, +30.0/-33.9 PSF	HT 5000 & 9000a Series
WL-5000-0218-08-30-34L RevI	18'-2" wide, +30.0/-33.9 PSF	HT 5000 Series w/ Lites

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** and/or **115-2017**.

Tests were conducted at Haas Door Company Test Lab in Wauseon, OH. This facility was independently accredited per ISO/IEC 17025:2017 by ANAB (Certificate L2378) 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 108-2005 (and -2012, and -2017).

Large Missile impact and cycling tests were conducted in accordance with ANSI/DASMA 115-05 (and -2012, and -2017).

Drawing	HAAS Report #
WL-5000-0110-08-40-45	Test 020314002 (DASMA 108) 020314013 (DASMA 115)
WL-5000-0110-08-40-45L	Test 052714004 (DASMA 108) 052714005 (DASMA 115) Test 030518011 (DASMA 108) 030518012 (DASMA 115)
WL-5000-0122-08-48-52	Test 061316011 (DASMA 108) 061316012 (DASMA 115)
WL-5000-0122-08-48-52L	Test 030518011 (DASMA 108) 030518012 (DASMA 115) Test 070918005 (DASMA 108) 070918006 (DASMA 115) 051319001 (DASMA 115)
WL-5000-0194-08-31-35	Test 020314007 (DASMA 108) 020314016 (DASMA 115)
WL-5000-0194-08-31-35L	Test 052714012 (DASMA 108) 052714013 (DASMA 115) Test 080717009 (DASMA 108) 080717010 (DASMA 115)
WL-5000-0218-08-30-34	Test 020314010 (DASMA 108) 020314017 (DASMA 115)
WL-5000-0218-08-30-34L	Test 030518001 (DASMA 108) 030518002 (DASMA 115) Test 070615004 (DASMA 108) 040615005 (DASMA 115) Test 070615006 (DASMA 108) 040615007 (DASMA 115)

Installation

Anchorage Requirements:

The door drawings include means to attach the doors to the building structure as detailed on Sheet 3 of each drawing using an added 2x6 to the face of the garage wall.

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.

This Evaluation Report does not address design of the wall/jambs themselves. These attachment drawings only illustrate common means to attach the jambs to the wall. 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 HT 5000 family are aluminum faced polyurethane sandwich doors

The various model numbers listed on the drawings are included in this approval:

1-3/8" overall thickness:	5610, 5612, 5614, 5616, 5670, 5680 (tested)
1-3/4" overall thickness:	5710, 5712, 5714, 5716, 5770, 5780 (tested) 5767, 5768, 5778, 5787
2" overall thickness:	5210, 5212, 5214, 5216, 5270, 5280 5267, 5268, 5278, 5287 9xxxa American Tradition Series (Exterior Overlays)
3" overall thickness:	5810, 5812, 5814, 5816, 5870, 5880

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.

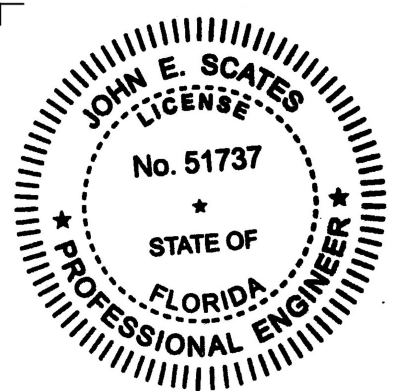
Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

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 Haas Door Company 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 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).



Digitally signed by John E Scates
Date: 2025.08.05 10:28:40 -05'00'

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

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