

EVALUATION REPORT

Title: Aluminum Window
Report #: SM2019-001R3
Manufacturer: Sun Metals Systems, Inc.
5008 Tampa West Blvd
Tampa, FL 33634
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Date: February 26, 2019
~~October 5, 2020 - revised~~
August 6, 2025 - revised

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a revised FBC application for an Aluminum Window. The current configuration is listed under FL 15891 and this evaluation will review the requirements to receive approval for the 8th Edition (2023) Florida Building Code.

II. REFERENCE MATERIAL

The following reference materials were provided in support of the product evaluation:

1. Florida Product Approval FL 15891
2. Sun Metals Dwg FL-15891.1, Dated 7/14/25
3. CTL – Certified Testing Laboratories, 7252 Narcoossee Rd Orlando FL 32822
Project CTLA-974W, Dated Dec 11, 2002, Signed and Sealed by Ramesh Patel, P.E.

III. EVALUATION CRITERIA & LIMITATIONS OF USE

The product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone". The drawings cited below and as illustrated in Appendix A of the test report are an explicit part of this evaluation report. The text of this report cannot address all design details (fastener size, spacing) but relies upon the illustrations of these drawings. All testing frame specimens listed in test reports referenced above were conducted as follows:

TAS 201-94 (Impact Test Procedures)

TAS 202-94 (Uniform Static Air Pressure)

TAS 203-94 (Criteria for Testing Products Subject to Cyclic Wind Pressure Loading)

Product listed meets the deflection recovery requirements

Product listed meets large missile impact ratings

Product listed meets static pressure air infiltration

In Section 1709.8.4 of the Florida Building Code, it states "that window wall and storefront systems shall be tested in accordance with the requirements of this section and the laboratory test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501, HVHZ shall comply with Section 2411.3.2.1.1". It has been determined that the results and tests conducted as listed in the test reports above meet the requirements for compliance with AAMA 501-05.

The following products were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 450	Single Punched Aluminum Window	48" x 101.63"	+/- 115 PSF	Large Missile 9/16" Glazing	FL-15891.1
Series 450	Double Punched Aluminum Window	48" x 101.63"	+/- 115 PSF	Large Missile 9/16" Glazing	FL-15891.1

Certification of Independence of Evaluation Entity

I hereby certify that (1) I have no financial interest in Sun Metals Systems, LLC; (2) I am an independent licensed Professional Engineer in the State of Florida and; (3) I comply with the criteria of independence as stated in 9B-72.110 (3), F.A.C. and 9B-72.110(4), F.A.C.