

EVALUATION REPORT

Title: Exterior Windows
Report #: SM2016-013R2
Manufacturer: Sun Metals Systems, Inc. 5008 Tampa West Blvd
Tampa, FL 33634
Technical Contact: Eric VanHorn, P.E.
VanHorn Engineering, LLC
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Florida # 46718
Date: April 19, 2016
September 12, 2019 - revised
October 5, 2020 - revised

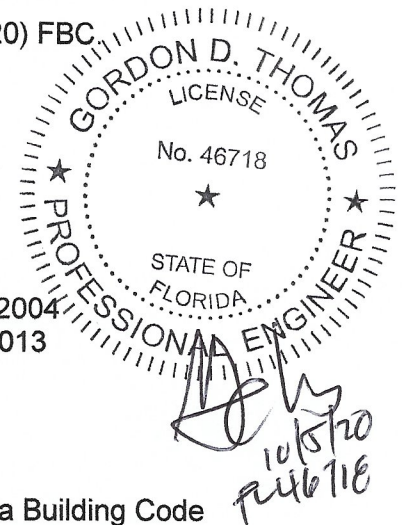
I. OVERVIEW / SCOPE

The following evaluation report provides a review of a currently approved exterior window frame. The current configuration is listed under FL 9291 and approved for the 2017 FBC. This evaluation will review the requirements to receive approval for the 7th Edition (2020) FBC. All changes to the product construction have remained unchanged.

II. REFERENCE MATERIAL

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

1. Florida Product Approval FL 9291-R5
2. Sun Metals Dwgs FL-9291.4 Rev 4, Dated 9/21/20, 4 Sheets
3. Test Report # 0818.01-04, American Test Lab of South FL, Dated Dec 13, 2004
4. Product Evaluation Report, FL-9291.4, PE Services, LLC, Signed Oct 30, 2013



III. EVALUATION CRITERIA & LIMITATIONS OF USE

The product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code structural requirements including the "High Velocity Hurricane Zone". The drawings cited below 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.

The testing outlined in the report above was performed at an accredited lab and the facility was located at:
American Test Lab of South Florida, 6801 NW 17th Ave, Ft Lauderdale, FL 33309

The test reports were signed by an authorized representative of ATLSF.

All product testing listed in test reports referenced above were conducted per TAS 201-94 (Impact Test Procedures), TAS 202-94 (Uniform Static Air Pressure) and TAS 203-94 (Criteria for Testing Products Subject to Cyclic Wind Pressure Loading).

The following information summarizes the Limitation of Use for the windows under evaluation.

Product Name	Product Type	Max Size	Max Design Pressure	Impact Rating	Dwg
Series 250V	Project Out Window	48" x 50"	+98/ -100 PSF	Small Missile	FL-9291.4 Rev 4

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.