

EVALUATION REPORT

Title: Casement Window
Report #: SM2016-019R2
Manufacturer: Sun Metals Systems, Inc.
5008 Tampa West Blvd
Tampa, FL 33634
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Florida # 46718
Date: September 12, 2016
October 4, 2020 - revised

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a currently approved window casement frame. The current configuration is listed under FL 9820 and approved for the 6th Edition (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 9820
2. Sun Metals Dwgs FL-9820.1 Rev 4, Dated 9/21/20, 5 Sheets
3. Test Report # TEL 07-01500238, Testing Evaluation Laboratories, Inc, Dated June 30, 2007
4. Test Report # TEL 07-01500239, Testing Evaluation Laboratories, Inc, Dated June 30, 2007
5. Product Evaluation Report, FL-9820.1, PE Services, LLC, Signed Oct 21, 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: Testing Evaluation Laboratories, Inc., 2002 Wood Court Suite 1, Plant City, FL 33563

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

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 Frame Size	Max Design Pressure	Impact Rating	Dwg
Series 250C	Casement Window	36" x 62"	+/- 100 PSF	Small Missile	FL-9820.1 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.

