

EVALUATION REPORT

Title: Single Hung Window
Report #: SM2020-007
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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Mason, OH 45040
Florida # 46718
Date: December 4, 2020

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a revised FBC application for a single hung window. The current configuration is listed under FL 3504 and this evaluation will review the requirements to receive approval for the 7th Edition (2020) Florida Building Code.

II. REFERENCE MATERIAL

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

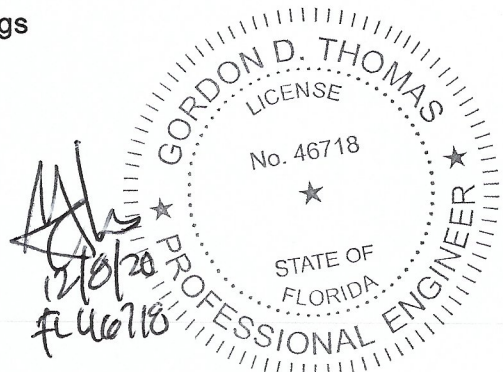
1. Florida Product Approval FL 3504
2. Sun Metals Dwg FL-3504.2, Dated 9/21/20
3. Testing Evaluation Laboratories, 2002 Wood Court Suite 1, Plant City, FL 33563
Report TEL 01500048, Dated May 1, 2009, Signed and Sealed by Lyndon F. Schmidt, P.E.
4. Hurricane Test Laboratory, Inc., 6655 Garden Rd, Riviera Beach, FL 33404
Report HTL 0280-0918-03, Dated 1/23/04, Signed and Sealed by Vinu Abraham, P.E.
5. Hurricane Test Laboratory, Inc., 6655 Garden Rd, Riviera Beach, FL 33404
Report HTL 0280-0220-06, Dated 4/10/06, Signed and Sealed by Vinu Abraham, P.E.
6. PE Services LLC, Evaluation Report FL 3504.2, signed 10-22-13.

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 and as illustrated in 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.

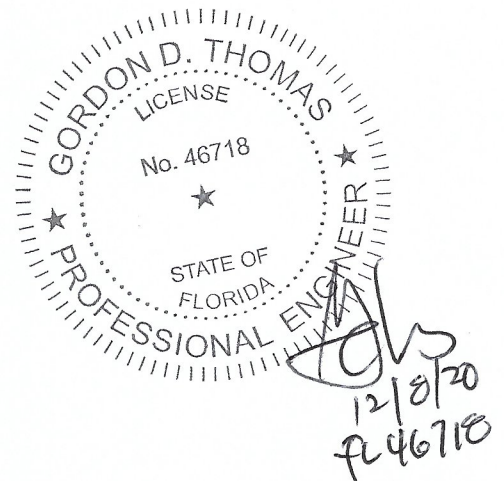
All testing frame specimens listed in test reports referenced above were conducted as follows:

- 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)
- Products listed meets the deflection recovery requirements
- Products listed meets static pressure air & water infiltration
- Products listed meets the large and small missile impact ratings



The following products were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 275	Single Hung Window	53.13" x 84.00"	+100/ -120 PSF	HVHZ - Large Missile	FL-3504.2
Series 275	Single Hung Window	48.00" x 120.00"	+100/ -100 PSF	HVHZ - Large Missile	FL-3504.2
Series 275	Single Hung Window	53.13" x 84.00"	+60/ -65 PSF	HVHZ - Large Missile	FL-3504.2
Series 275	Single Hung Window	36.25" x 84.00"	+80/ -85 PSF	HVHZ - Large Missile	FL-3504.2
Series 275	Single Hung Window	48.00" x 120.00"	+60/ -65 PSF	HVHZ - Large Missile	FL-3504.2



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.