

EVALUATION REPORT

Title: Projected Window
Report #: SM2017-007R2
Manufacturer: Sun Metals Systems, Inc.
5008 Tampa West Blvd
Tampa, FL 33634
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VanHorn Engineering, LLC
Date: December 11, 2017
October 4, 2020 - revised
July 22, 2025 - revised

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a revised FBC application for a Projected Window. The current configuration is listed under FL 24543 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

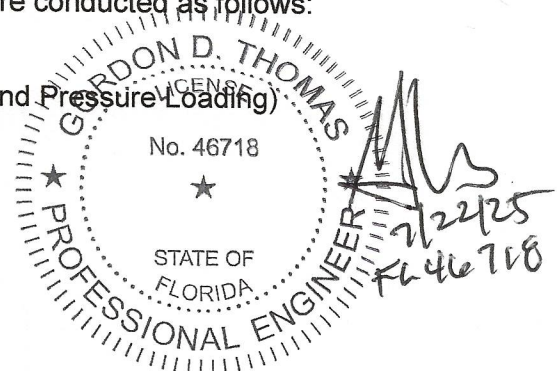
1. Florida Product Approval FL 24543
2. Sun Metals Dwgs FL-24543.1, Dated 7/14/25
3. PRI – Construction Materials Technologies, LLC, 6412 Badger Drive, Tampa, FL 33610
Project No BCI-002-02-02, Dated 11/8/2017, Signed and Sealed by Zachary Priest, P.E.

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)
- ASTM E283 (Air Infiltration)
- ASTM E547 & E331 (Water Test Pressure)
- Product listed meets the deflection recovery requirements
- Product listed meets large & small missile impact ratings
- Product listed meets static pressure air infiltration



The following projected windows were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 1100Z	Zero Site Line Projected Window	48" x 48"	+/- 100 PSF	Large Missile 9/16" & 1-5/16" Glazing	FL-24543.1

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.