

EVALUATION REPORT

Title: Projected Window
Report #: SM2017-009R5
Manufacturer: Sun Metals Systems, Inc. 5008 Tampa West Blvd
Tampa, FL 33634
Technical Contact: Eric VanHorn, P.E.
VanHorn Engineering, LLC
Prepared by: Gordon Thomas, P.E. Mason, OH 45040
Florida # 46718
Date: ~~December 27, 2017~~
~~October 4, 2020~~
July 22, 2025

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

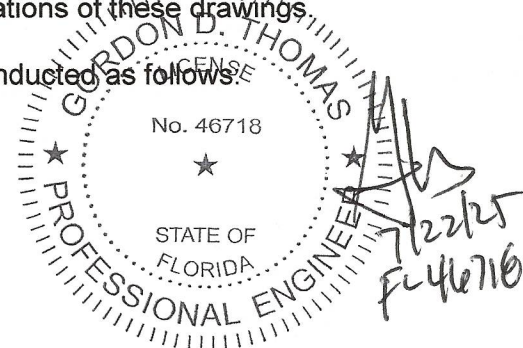
1. Florida Product Approval FL 24543
2. Sun Metals Dwgs FL-24543.3, Dated 7/14/25
3. PRI – Construction Materials Technologies, LLC, 6412 Badger Drive, Tampa, FL 33610
Project No BCI-002-02-01, Dated 11/8/2017, Signed and Sealed by Zachary Priest, P.E.

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”. When used in “HVHZ”, this product is required to be protected with an impact resistant covering. 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 202-94 (Uniform Static Air Pressure)
- ASTM E283 (Air Infiltration)
- ASTM E547 & E331 (Water Test Pressure)
- Product listed meets the deflection recovery requirements
- Product listed does not meet large or 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	Non-Impact 1" IGU Glazing	FL-24543.3

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.