

EVALUATION REPORT

Title:	Window Wall		
Report #:	SM2020-001R1		
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 7, 2020 May 30, 2024 - revised

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a revised FBC application for a Window Wall. The current configuration is listed under FL 21123 and this evaluation will review the requirements to receive approval for the 8th Edition (2023) FBC.

II. REFERENCE MATERIAL

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

1. Florida Product Approval FL 21123
2. Sun Metals Dwg FL-21123.3, Dated 5/20/24, 8 Sheets.
3. Intertek, 2658 Electronics Way, West Palm Beach, FL 33407
Test Report # j6460.01-450-18 R0, Dated 10/14/20, Signed and Sealed by Vinu Abraham, P.E.

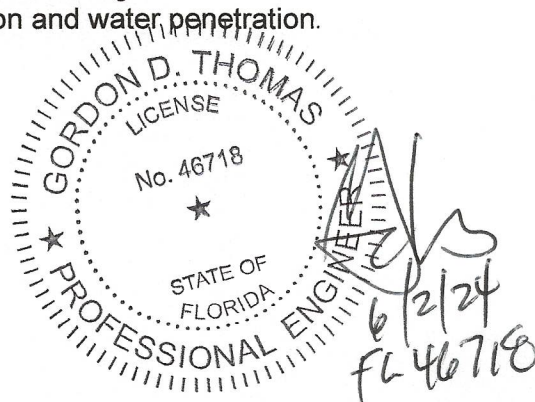
III. EVALUATION CRITERIA & LIMITATIONS OF USE

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". In addition, the product has been evaluated to be in compliance with AAMA 501-15. 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 was completed with 9/16" glazing. This report includes the thicker 1-5/16" glazing as approved by testing with the thinner material.

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

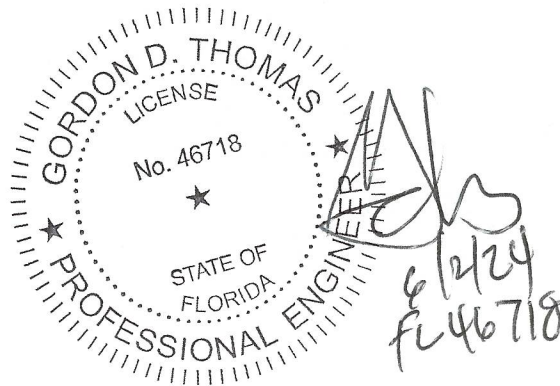
- TAS 201-94 (Impact Test Procedures)
- TAS 202-94 (Uniform Static Air Pressure)
- TAS 203-94 (Criteria for Testing Products Subject to Cyclic Wind Pressure Loading).
- All products met the deflection recovery requirements.
- All products met large and small missile impact ratings.
- All products met static pressure air infiltration and water penetration.



The following window walls were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 1050WW	Butt Glazed Aluminum Window Wall	192" x 48"	+/- 150 PSF	HVHZ - Large Missile	FL-21123.3
Series 1050WW	Butt Glazed Aluminum Window Wall	192" x 60"	+/- 60 PSF	HVHZ - Large Missile	FL-21123.3

The jamb and sill anchors were confirmed via calculations for both concrete and steel mounting. Steel anchors were checked against tested quantities.



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.