

EVALUATION REPORT

Title:	Window Wall		
Report #:	SM2024-004		
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:	June 16, 2024

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a new FBC configuration for a Window Wall that will be added to an existing application FL 21123. 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. Sun Metals Dwgs FL-21123.9, Dated 5/20/24.
2. Intertek, 2658 Electronics Way, West Palm Beach, FL 33407
Test Report #P8000.01-450-18 R0, Dated 5/21/24. Signed & sealed by Tyler Westerling, 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 excluding 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.

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

TAS 201-94 (Impact Test Procedures)

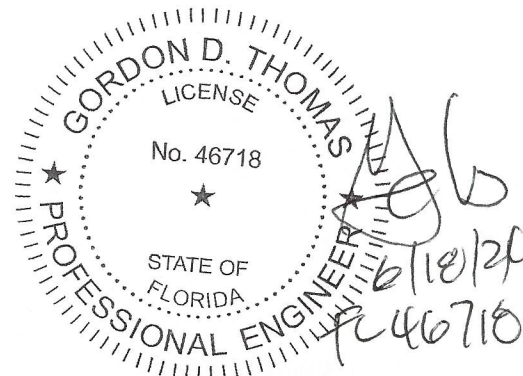
TAS 202-94 (Uniform Static Air Pressure)

TAS 203-94 (Criteria for Testing Products Subject to Cyclic Wind Pressure Loading).

All products met the deflection recovery requirements.

All product met large and small missile impact ratings.

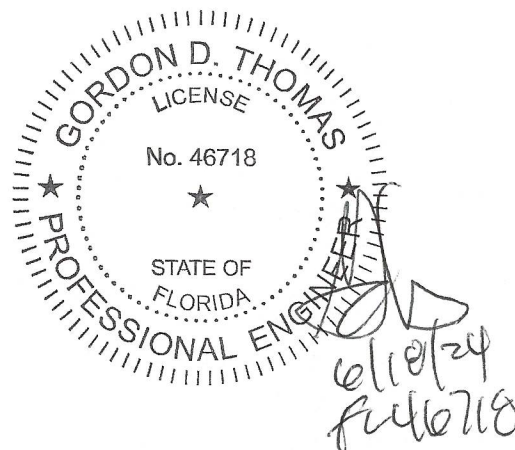
All product met static pressure air infiltration and water penetration.



The following window walls were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 1050WW	Captured Aluminum Window Wall	57" x 133"	+/- 100 PSF	Large Missile	FL-21123.9
Series 1050WW	Captured Aluminum Window Wall	57" x 38-1/4"	+100 / - 120 PSF	Large Missile	FL-21123.9
Series 1050WW	Captured Aluminum Window Wall	57" x 117"	+100 / - 120 PSF	Large Missile	FL-21123.9

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.