



1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Product Evaluation Report

of

Arcadia, Inc.

Series IP-2550 Aluminum Window Wall System
(WZ3) (Impact)

for

Florida Product Approval

FL# FL45921

Report No. 9001

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Panel Walls
Sub – Category: Storefront

Product: Series IP-2550 Aluminum Window Wall
Material: 6063-T6 Aluminum
Product Dimensions: See Installation Instructions, ARC013

Prepared for:

Arcadia, Inc.

2301 East Vernon Ave.
Vernon, CA 90058

Prepared by:

Hermes Norero, P.E.

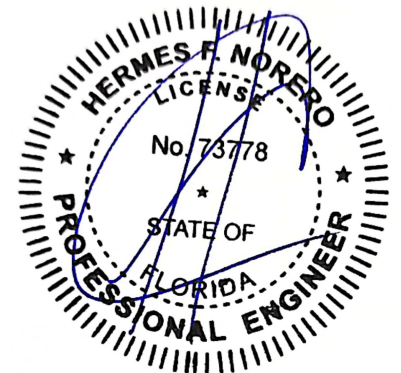
Florida Professional Engineer # 73778

Date: 12/19/2023

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Hermes Norero, P.E.
Florida P.E. No. 73778

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Manufacturer: Arcadia, Inc.
Product Category: Panel Walls
Product Sub-Category: Storefront
Compliance Method: State Product Approval Method (1)(d)
Product Name: Series IP-2550 Aluminum Window Wall System (WZ3)(Impact)

Scope: This is a Product Evaluation Report issued by Hermes Norero, P.E. (FL # 73778) for **Arcadia, Inc.** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Current Florida Building Code.

See Installation Instructions **ARC013**, signed and sealed by Hermes Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the Current Florida Building Code, **excluding** the “High Velocity Hurricane Zone” (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not require** an impact resistant covering in Wind Zone 3 or less.
4. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does require** an impact resistant covering in Wind Zone 4.
5. Site conditions that deviate from the details of Installation Instructions **ARC013** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **ARC013** for size and design pressure limitations.

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Quality Assurance Entity: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a program audited by and approved quality assurance entity through **Architectural Testing, Inc., an Intertek Company** (FBC Organization #: QUA1844).

Performance Standards: The product described herein has been evaluated per:

- ASTM E1886-19
- ASTM E1996-20
- ASTM E283-19
- ASTM E330-14
- ASTM E331-00(16)
- AAMA 501-15

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek Company) - Fresno, CA**
(FBC Organization # TST2609)
Report #: 89677.01-301-44 Report Date: 03/23/2009
85574.01-301-44 02/27/2009
2. Product Testing performed by **Fenestration Testing Laboratory, Inc.**
(FBC Organization # TST4129)
Report #: A08SF-094 Report Date: 09/21/2011
3. Quality Assurance Entity
Architectural Testing, Inc., an Intertek Company
(FBC Organization #: QUA1844)

Installation:

Refer to Installation Instructions (**ARC013**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**ARC013**) for design pressures based on size, configuration, and glass types.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between the tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. **Arcadia, Inc.** has tested their products to the following test standard edition(s):

- 1) ASTM E1886-05
- 2) ASTM E1996-05
- 3) ASTM E283-04
- 4) ASTM E330-02
- 5) ASTM E331-00

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E1886-19
- 2) ASTM E1996-20
- 3) ASTM E283-19
- 4) ASTM E330-14
- 5) ASTM E331-00(16)

After review of the above mentioned referenced standards and editions, it has been found that the performance results and tests carried out meet the requirements for compliance with the standard editions referenced within the current Florida Building Code. All referenced standards have been found to be equivalent.

This shall serve to state that the Arcadia, Inc. products in question comply with Chapter 17 & 24 of the Current Florida Building Code for testing in accordance with AAMA 501-15 "Methods of Tests for Exterior Walls".

Further, the testing on this product complies with the requirements specified within the AAMA 501-15 standard, as required by the Florida Building Code. This standard is listed under Chapter 35 of the current Florida Building Code and titled "Methods of Tests for Exterior Walls".

At a minimum, AAMA 501-15 requires exterior wall systems be tested to ASTM E283, ASTM E330 and ASTM E331 test standards.

All test results meet or exceed requirements of the Current Florida Building Code.