



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

## Product Evaluation Report

of

**Arcadia, Inc.  
Series C3550 Single Hung  
(WZ3)(Impact)**

for

**Florida Product Approval**

**FL# FL41642**

**Report No. 8119**

### Current Florida Building Code

**Method:** 1 – D (Engineering Evaluation)  
**Category:** Windows  
**Sub – Category:** Single Hung

**Product:** C3550 Single Hung  
**Material:** 6063-T5 Aluminum  
**Product Dimensions:** See Installation Instructions, ARC009

**Prepared for:**

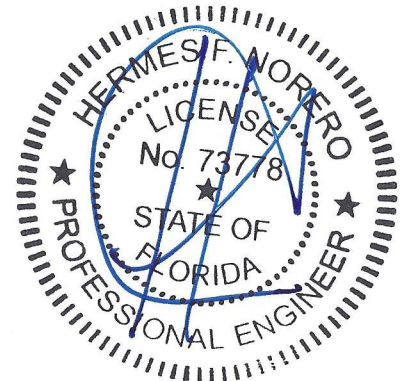
**Arcadia, Inc.  
2301 East Vernon Ave.  
Vernon, CA 90058**

**Prepared by:**

**Hermes Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 08/13/2022

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



FL#: FL41642  
Date: 8/16/2022  
Report No: 8119

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**Manufacturer:** Arcadia, Inc.  
**Product Category:** Windows  
**Product Sub-Category:** Single Hung  
**Compliance Method:** State Product Approval Method (1)(d)  
**Product Name:** C3550 Single Hung (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 **ARC009**, 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 **ARC009** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **ARC009** for size and design pressure limitations.

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**Quality Assurance:** The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute**. (FBC Organization #: QUA1789).

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

- AAMA 506-16
- AAMA/WDMA/CSA 101/ I.S.2/A440-11/17
- ASTM E1886-12/13A
- ASTM E1996-12A/14A/17

**Referenced Data:**

1. Product Testing  
**Construction Consulting Laboratory, International**  
(FBC Organization # TST1685)  
Report #: CCLI #12-115      Report Date: 07/06/12  
Report #: CCLI #12-038      Report Date: 02/26/12  
Report #: CCLI #12-004      Report Date: 02/21/12
2. Quality Assurance  
**National Accreditation & Management Institute.**  
(FBC Organization #: QUA1789)

**Installation:**

Refer to Installation Instructions (**ARC009**) for anchors, spacing and more details of the installation requirements.

**Design Pressure:**

Refer to Installation Instructions (**ARC009**) for allowable sizes and design pressures.

### Equivalence of Test Standards

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

- 1) AAMA/WDMA/CSA 101/I.S.2/A440-08
- 2) AAMA 506-08
- 3) ASTM E1886-05
- 4) ASTM E1996-05B

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

- 1) AAMA/WDMA/CSA 101/I.S.2/A440-11/17
- 2) AAMA 506-16
- 3) ASTM E1886-13a
- 4) ASTM E1996-12A/14A/17

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.