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

Product Evaluation Report

of

Arcadia Inc.
WS512HD Series Door (Single/Double)
(WZ3)(Missile Level E)

for

Florida Product Approval

FL#40955

Report No. 11784

Current Florida Building Code

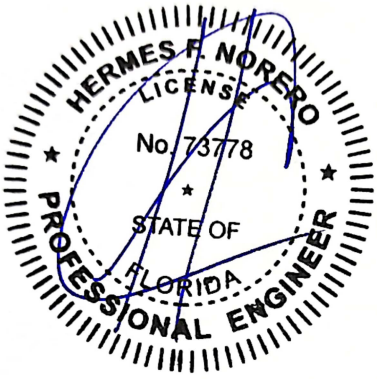
Method:	**1-D (Engineering Evaluation)**
Category:	**Exterior Doors**
Sub – Category:	**Swinging Exterior Door Assemblies**
Product:	**WS512HD Series Door (Single/Double)**
Materials:	**Aluminum 6063-T5**
Product Dimensions:	**See Installation Instructions, ARC021**

Prepared for:
Arcadia Inc.
2301 East Vernon Ave.
Vernon, CA 90058

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 10/5/2026

Contents:

Evaluation Report Pages 1 – 3



Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.09 17:06:12 -04'00'

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

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

Manufacturer: **Arcadia Inc.**

Product Category: **Exterior Doors**

Product Sub-Category: **Swinging Exterior Door Assemblies**

Compliance Method: State Product Approval Method (1)(d)

Product Name: **WS512HD Series Door (Single/Double) (WZ3)(Missile Level E)**

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

Hermes F. 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 **ARC021**, signed and sealed by Hermes F. 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 **ARC021** require further engineering analysis by a licensed engineer or registered architect. See Installation Instructions **ARC021** for size and design pressure limitations.

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM

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

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

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

- ASTM E1886-19
- ASTM E1996-23
- TAS 202-94

Referenced Data:

1. Product Testing Performed by Intertek Testing NA, Inc. – Lake Forest, CA
   (FBC Organization # TST9424).

Report #:	Report Date:
S8909.01-303-44-R0	02/06/2026
S8910.01-303-44-R1	11/03/2025
P4178.01-301-18 R0	06/08/2023
P4179.01-301-18 R0	06/08/2023
P4180.01-301-18 R0	06/08/2023
P4181.01-301-18 R0	06/08/2023

   Signed and Sealed by Tyler Westerling, P.E. FL# 72012

2. Quality Assurance Agency
   Architectural Testing, Inc.
   (FBC Organization #: QUA1844)

3. Material Certification
   Miami-Dade County Notice of Acceptance
   Kuraray America, Inc.
   SentryGlas Interlayer

Installation:

Refer to Installation Instructions (**ARC021**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**ARC021**) for design pressure configurations.

954.399.8478 954.744.4738
BUILDINGDROPS.COM CONTACT@BUILDINGDROPS.COM