

Product Evaluation

DR1263 | 1023

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at 800-248-6032.

Evaluation ID: DR-1263

Effective Date: October 1, 2023

Re-evaluation Date: October 2027

Product Name: IPWS 512 HD Wide Stile Aluminum Side Hinged Storefront Door, Impact Resistant

Manufacturer: Arcadia, Inc.
2301 East Vernon Ave.
Vernon, CA 90058
(323) 771-9819

General Description:

System	Description	Design Pressure Rating
1	40" x 84" Aluminum Side Hinged Door	+96 / -50 psf Size Tested: 40 x 84 Missile Level D

Product Dimensions:

System	Overall Size	Operable Panel Size
1	40-1/8" x 84-1/16"	35-13/16" x 81-1/2"

Hardware:

- **Aluminum Butt Hinges:** three (3) required 4" from each end and at midspan of the leaf hinge stile; secure to the jamb back-plates with four (4) No. 10-32 x 1-7/16" Phillips flat head screws.
- **Dead Bolt:** one (1) required; 33-1/4" from the bottom of the lock stile attached with two 1/4-20 x 2-1/8" Phillips flat head screws.
- **Pull Handle:** one (1) required 37" from the bottom of the leaf lock stile attached with two (2) 1/4-20 x 2-3/16" Phillips head screws.
- **Push Handle:** one (1) required 41-1/2" from the bottom of the leaf stiles attached with two (2) 1/4-20 x 2-3/16" Phillips head screws.

Product Identification (Certification Label on Door):

System		
1	Certification Agency	Manufacturer Self-Produced Label
	Manufacturer's name or code name	Arcadia, Inc.
	Product name	HD Wide Stile Aluminum Storefront Door
	Test standards	ASTM E330-02; ASTM E1886-05; ASTM E1996-06 Missile Level D

Compliance: Products comply with ASTM E 330-14, ASTM E 1886-13a, and ASTM E 1996-14a as specified in the 2018 IRC and the 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products have been tested for windborne debris resistance. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Installation:

System		
1	Type of Installation	Install in accordance with Arcadia Inc. drawing No. ARC012, titled "IPWS 512 HD Series Entrance Door (Impact)" dated February 16, 2023. Signed and sealed by Hermes F. Norero, P.E. on March 27, 2023.
	Wall framing	
	Fasteners	
	Fastener embedment	
	Fastener location/spacing	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.