

# **W. W. Schaefer Engineering & Consulting, P.A. (CA #6809)**

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Palm Beach Gardens, FL 33418  
Phone (561)744-3424

## **ENGINEER'S EVALUATION REPORT #WWS-312**

### **Prepared for:**

Kawneer Company, Inc.  
555 Guthridge Court  
Norcross, GA 30092  
Phone: 770-449-5555

### **Prepared by:**

Warren W. Schaefer, P.E.  
Florida Professional Engineer #44135

**Manufacturer:** Kawneer Company, Inc.

**Product Category:** Swing Doors

**Evaluation Method:** 1-D (Engineer's evaluation)

**Product model & name:** 350 IR 9 ft. Tall Out-Swing Aluminum Storefront LMI Doors

### **Documents that must accompany this report:**

1. W. W. Schaefer Engineering & Consulting drawing No. 1569

### **Door size restrictions and assembly requirements:**

See drawing No. 1569

### **Maximum allowable design pressure:**

See drawing No. 1569

### **Installation requirements:**

See drawing No. 1569

### **Code compliance:**

#### **Code section(s) considered with this evaluation:**

FBC Chapters 17 & 24

#### **Glass:**

All glass meets the current ASTM E1300 standard.

#### **Test Standards applicable to the testing of this door system:**

TAS-201, 202 & 203, ASTM E330, ASTM E1886, ASTM E1996, ASTM E283, ASTM E331 & AAMA 1304

**Test Laboratory:** Intertek Architectural Testing, Inc. (Previously named Hurricane Test Laboratory, Inc.)

Test report numbers:

E0437.01-550-18, D3741.01-550-18, 0049-0611-04, 0049-1106-04, G049-1005-06,  
L2619.02-550-18 R0 & L2619.01-550-18 R0

Note: All HVHZ test reports have been signed & sealed by a Florida PE.

**General report notes & system limitations:**

1. All size & installation conditions shown in this report and the referenced drawing No. 1569 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Doors shall be constructed in accordance with the descriptions in this report, and the manufacturer's state approved quality assurance entity specifications.
3. This product is approved for use in & outside of the High Velocity Hurricane Zones (HVHZ).
4. Job required design wind pressure shall be calculated in accordance with the Florida Building Code Chapter 16 and ASCE 7 Minimum Design Loads for Buildings and Other Structures (0.85 directionality factor may apply per the current ASCE 7 standard).
5. These doors are large missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.
6. Dry glazing gaskets are in accordance with ASTM C864 or ASTM C509 per FBC chapter 24.
7. See water resistance limitation as noted on drawing 1569 sheet 1.

**Quality Assurance Entity:** Architectural Testing, Inc.

AUG 05 2021

Warren W. Schaefer, P.E.  
Florida P.E. #44135

