

# W. W. Schaefer Engineering & Consulting, P.A.

26376 Nadir Road; Unit 309

Punta Gorda, FL 33983

Phone (561)744-3424

## **ENGINEER'S EVALUATION REPORT #WWS-273**

### **Prepared for:**

Signature Door, Inc.

401 Priority Street

Altoona, PA 16602

Phone: 814-949-2770

### **Prepared by:**

Warren W. Schaefer, P.E.

Florida Professional Engineer #44135

**Manufacturer:** Signature Door, Inc.

**Product Category:** Doors

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

**Product model & name:** 8 Ft. Non-Impact Out-Swing Doors

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

1. W. W. Schaefer Engineering & Consulting drawing No. 1899

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

See drawing No. 1899

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

See drawing No. 1899

### **Installation requirements:**

See drawing No. 1899

### **Code compliance:**

Code section(s) considered with this evaluation:

FBC chapter 17

#### Glass:

All glass meets the current ASTM E1300 standard.

#### Mullions:

Mullion conditions stated in this approval have been tested in accordance with the Florida Building Code and meet the requirements of FBC chapter 17.

#### Test Standards applicable to the testing of these doors:

ASTM E330, ASTM E283, ASTM E331 (tested to 0 psf water) & AAMA 1304

Test Laboratory: Hurricane Test Laboratory, Inc. (HTL), Architectural Testing, Inc. (ATI/Intertek), Intertek & Testing Evaluation Laboratories, Inc (TEL). Note that HTL is now ATI.

Test report numbers: HTL No. 0243-1013-03; ATI No. E6800.01-501-44; TEL No. 03351031, 03351002, 03351033, 03351034, 03351128, 03351129 & E6798.01-501-44; Intertek No. N3992.01-501-44 RO & Q4177.01-501-44 RO

**General report notes & system limitations:**

1. All size & installation conditions shown in this report and the referenced drawing No. 1899 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 Non-High Velocity Hurricane Zones (Non-HVHZ). It is not approved for use in HVHZ zones.
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 non-impact rated & must be shuttered with a Florida code approved shutter where required by code.
6. These door units are not approved for use where water infiltration resistance is required by the door. Unless units are installed in non-habitable areas where the unit & the area are designed to accept water infiltration, units shall be installed only at locations protected by a canopy or overhang where-by the overhang(oh) ratio is equal to or more than 1.0 per FBC chapter 17.

**Quality Assurance Entity:** National Accreditation & Management Institute (NAMI)

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