

## **PRODUCT EVALUATION REPORT**

1. **Report No:** FL 16343 (23-0803)
2. **Date:** October 5, 2023
3. **Product Category:** Shutters
4. **Product Sub-Category:** None
5. **Other Sub-Category:** None
6. **Product Name:** Products Introduced as a Result of New Technology
7. **Evaluation by:** Trevor Johnson, P.E.  
11835 Autumn Creek Dr.  
Riverview, FL 33569  
813-404-7649
8. **Manufacturer:** Advanced Hurricane Technology  
16501 Old Airport Haul Rd  
Fort Myers, FL 33913  
239-260-0020

### **9. Product Description:**

The Advanced Screen roll-up shutter is for impact protection of openings. These roll-up screen systems can be used for new installations or for replacement of existing shutters.

### **10. Statement of Compliance:**

This product evaluation report is to Advanced Hurricane Technology in accordance with the Department of Business and Professional Regulations (Florida Building Commission) Rule Chapter 61G20-3.005 Method 1D. The product covered by this report has been verified to be in compliance with the 8<sup>th</sup> Edition (2023) Florida Building Code and meets the impact and wind resistance requirements of Section 1609.1.2.



**11. Evidence Submitted:**

**11.1. Testing Reports:**

Fenestration Testing Laboratory, Inc.

Lab No.: 7001

Date: 2/5/2013

File No.: 13-374

Project No. 12-4031

Tested for large missile impact, cycle loading and uniform static load in accordance with ASTM E330, E1886-05, and E1996-05

Maximum Width Tested 294"

Design Pressure Test 60 PSF

Structural Load Test 90 PSf

Configurations Tested Direct Mounts

Minimum Tested Width 55.5"

Design Pressure Test 140 PSF

Structural Load Test 210 PSf

Configurations Tested Direct Mounts

Architectural Testing

Report No. 97368.01-401-44

Date: 5/5/2010

Tested for large missile impact, cycle loading and uniform static load in accordance with ASTM E330, E1886-05, and E1996-05

Maximum Width Tested 296.5"

Design Pressure Test 75 PSF

Structural Load Test 112.5 PSf

Configurations Tested Direct Mounts

Report No. A0255.01-401-36

Date: 5/7/2010

Tested for uniform static load in accordance with ASTM E330-02

Maximum Width Tested 168"

Design Pressure Test 75 PSF

Minimum Tested Width 36"

Design Pressure Test 75 PSF



**11.2. Product Evaluation Document:**

Approval Document titled “Advanced Screen Roll-Up System”, prepared by TKJ Engineering, LLC, dated 10/5/23, Sheet 1 of 7 through Sheet 7 of 7, Signed and Sealed by Trevor Johnson, P.E. These Drawings are an integral part of this Evaluation Report.

**11.3. Structural Engineering Calculations:**

The Advanced Screen Roll-Up System for maximum screen span vs. design wind loads for multiple screen sizes, lengths, and connections. The design wind loads and screen spans are based on rational and comparative analysis, and in accordance with Chapters 16 and 20 of the Florida Building Code. Calculations prepared by TKJ Engineering, LLC, dated 10/5/23, Signed and Sealed by Trevor Johnson, P.E.

**12. Missile Impact Resistance:**

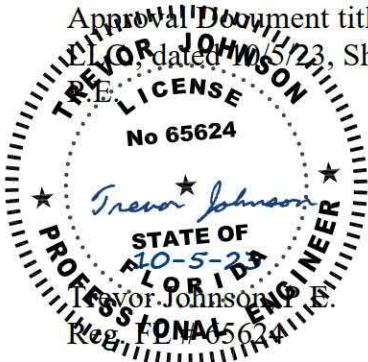
The Advanced Screen Roll-Up System has been verified to withstand large missile impact under Section 1609.1.2, as per and ASTM E1886 & E1996

**13. Wind Load Resistance:**

The Advanced Screen System design wind loads shall be determined as per Section 1609 of the Florida Building Code, in accordance with ASCE 7-22, and for a basic wind speed as required by the jurisdiction where the screen system will be installed. The maximum screen span and wind pressure shall be as indicated on sheets 6 through 7 of Approval Document titled “Advanced Screen Roll-Up System”.

**14. Instillation and Specifications:**

Installation shall be in strict accordance with the General Notes, components, and details of the Approval Document titled “Advanced Screen Roll-Up System, prepared by TKJ Engineering, LLC, dated 10/5/23, Sheet 1 of 7 through Sheet 7 of 7, Signed and Sealed by Trevor Johnson,



**15. Limitation and Condition of Use:**

- 15.1. This product shall not be installed in the “High Velocity Hurricane Zone” as defined in the Section 1620 of the Florida Building Code.
- 15.2. This product shall be manufactured and installed strictly in accordance with Approval Document titled “Advanced Screen Roll-Up System”, prepared by TKJ Engineering, LLC., dated 10/5/23, Sheet 1 of 7 through Sheet 7 of 7, Signed and Sealed by Trevor Johnson, P.E.
- 15.3. This product and shutters shall be installed in accordance with Means of Egress requirements of Section 1010.3.5 of the Florida Building Code.
- 15.4. Multiple Roll-up Screen System unit installations require an approved mullion for this type of shutter system.

