

11835 Autumn Creek Dr.
Riverview, FL 33569
Phone: 813-404-7649
Fax: 813-677-0936

PRODUCT EVALUATION REPORT

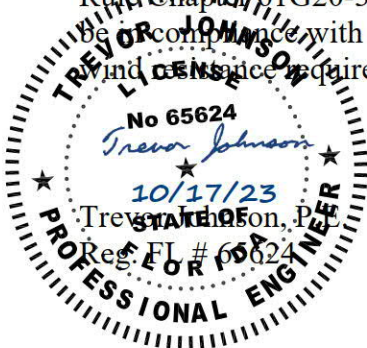
1. **Report No:** FL 13068 (23-0402)
2. **Date:** October 17, 2023
3. **Product Category:** Windows
4. **Product Sub-Category:** Mullions
5. **Other Sub-Category:** None
6. **Product Name:** Roll-Up Shutter Mullions
7. **Evaluation by:** Trevor Johnson, P.E.
11835 Autumn Creek Dr.
Riverview, FL 33569
813-404-7649
8. **Manufacturer:** American Shutter System Association, Inc
4268 Westroads Drive
West Palm, FL 33407
1-800-432-2204

9. Product Description:

The aluminum mullions are for use with end-retention and non-retention roll-up shutter systems for impact protection of openings. These roll-up shutter mullions can be used to replace or supplement mullions included with the roll-up shutters.

10. Statement of Compliance:

This product evaluation report is to American Shutter System Association, Inc 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 8th Edition (2023) Florida Building Code and meets the impact and and resistance requirements of Section 1609.1.2.



11. Evidence Submitted:

11.1. Testing Reports:

American Test Lab of South Florida

ATLSF Report # 0404.01-08

Date: April 4, 2008

ATLSF Certification # 01-0516.16

Mullion tested for large missile impact in accordance with TAS 201-94 and ASTM Standards E1886-05, and E1996-05.

Sizes Tested: 4x6x1/4x144

ATLSF Report # 0323.01-09

Date: April 16, 2009

ATLSF Certification # 09-0203.02

Mullion tested for large missile impact in accordance with TAS 201-94 and ASTM Standards E1886-05, and E1996-05.

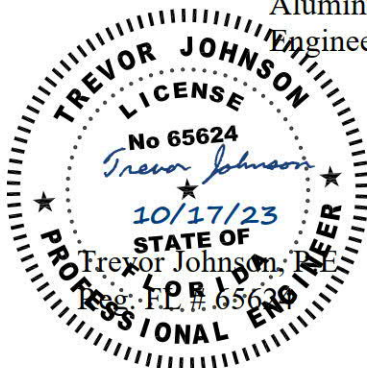
Sizes Tested: 3x4x1/8x144, 4x4x1/8x144, 4x4x1/4x144, 4x6x1/8x144

11.2. Product Evaluation Document:

Approval Document titled “Roll-Up Shutter Mullions”, prepared by TKJ Engineering, LLC, dated 10/17/23, Sheet 1 of 29 through Sheet 29 of 29, Signed and Sealed by Trevor Johnson, P.E. These Drawings are an integral part of this Evaluation Report.

11.3. Structural Engineering Calculations:

The Roll-Up Shutter Mullions for maximum slat span vs. design wind loads for multiple mullion sizes, lengths, and connections. The design wind loads, slat spans, and mullion lengths are based on rational and comparative analysis, and in accordance with Chapters 16 and 20 of the Florida Building Code and the Aluminum Association Design Manual 2020. Calculations prepared by TKJ Engineering, LLC, dated 10/17/23, Signed and Sealed by Trevor Johnson, P.E.



12. Missile Impact Resistance:

The Roll-Up Shutter Mullions has been verified to withstand large missile impact under Section 1609.1.2, as per TAS 201-94 and ASTM E1886-05 & E1996-05.

13. Wind Load Resistance:

The Roll-Up Shutter Mullion 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 Roll-Up Shutter Mullion will be installed. The maximum slat span, wind pressure, and mullion lengths shall be as indicated on sheets 4 through 29 of Approval Document titled "Roll-Up Shutter Mullions".

14. Installation and Specifications:

Installation shall be in strict accordance with the General Notes, components, and details of the Approval Document titled "Roll-Up Shutter Mullions", prepared by TKJ Engineering, LLC., dated 10/17/23, Sheet 1 of 29 through Sheet 29 of 29, Signed and Sealed by Trevor Johnson, P.E.

15. Limitation and Condition of Use:

- 15.1. This product can 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 "Roll-Up Shutter Mullions", prepared by TKJ Engineering, LLC., dated 10/17/23, Sheet 1 of 29 through Sheet 29 of 29, 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. This product shall only be used in conjunction with Eastern Metal Supply and American Shutter Systems Association's roll shutter systems. Other products require written authorization from American Shutter System Association, Inc.

