



DE STEFANO
ENGINEERING GROUP, PL



Date: December 21, 2020

RE: Engineering Evaluation Report
Report No.: 204235

Evaluator: Mark A. de Stefano, PE
De Stefano Engineering Group, PL (DEG),
341 Interstate Blvd.
Sarasota, Florida 34240
Florida Professional Engineer 61657

Manufacturer: Window Craftsman
6031 Clark Center Avenue
Sarasota, Florida 34238

Product: Series MB-200 – Window Mullion

Description of Product: Series MB-200 – Window Mullion. The frame members are constructed of extruded 6063-T6 aluminum with a wall thickness of 3/8" and overall frame dimensions of 1-3/8" x 3". All vertical mullions are continuous Attachments are made to the host structure as shown on the installation drawings.

Submitted Technical Documentation:

1. National Certified Testing Laboratories, Five Leigh Drive, York Pennsylvania 117406
 - A. Test Reports
 - a. NCTL-110-14729-1 and NCTL-210-3907-01 dated August 1, 2013
 - b. Report signed and sealed by Gerard J. Ferrara, PE Florida Registration No. 11985, Certificate of Authorization No. 2529
 - B. Tests Performed and Results
 - a. TAS 201 – Large Missile Impact
 - (1) Passed – All impacts rejected without allowing penetration and with permanent deformation.
 - b. ASTM E283 and ASTM E331 in accordance with TAS 202 – Uniform Load Deflection Test
 - (1) Design Pressure: ± 70.0 psf
 - (2) ASTM E331 – Water Infiltration: 10.5 psf – Pass/ No water penetration
 - (3) ASTM E283 – Air Infiltration: < 0.01 CFM/ft² – 0.3 CFM/ft² Allowed – Pass
 - c. ASTM E3300 in accordance with TAS 203 – Cyclic Load Test
 - (1) Design Pressure: ± 70.0 psf
 - (2) Overload / Structural Load Pressure: ± 105.0 psf
 - d. ASTM E1996-02/05 - Impact & Cycling
 - (1) Impact Missile Used: Missile D
 - (2) Design Pressure: ± 70.0 psf
 - e. ASTM F558-07 Grade 10
 - (1) Passed

2. Mullion Configurations Design and Analysis, Report Number 121056 sealed by Mark A. de Stefano, PE.
3. Installation Drawings, Sheet Report 121056 sealed by Mark A. de Stefano, PE.

Installation Requirements:

Curtain wall system must be installed as per the Manufacturers published installation instructions and as described in the installation drawings listed in the technical documents sections of this report.

Limitations of Use:

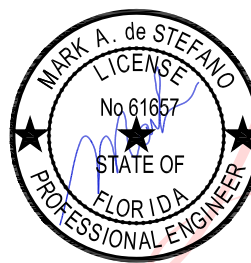
1. Maximum product design pressure of ± 70.0 psf
2. Rated for use in High Velocity Hurricane Zone (HVHZ)
3. Units may be installed to an infinite width as long as the bay size does not exceed the widths as defined on the installation drawings.
4. This system is Large and Small Missile Impact Resistant and does not require impact protections when used in a Wind-Borne Debris Region.
5. This system may be installed in wood, concrete, or steel substrate as per the installation drawings. These substrates are to be evaluated to conformance and structurally by the Licensed Structural Engineer.
6. The Aluminum must be isolated front elements that will corrode the fasteners and aluminum.

Compliance: The above listed Products have been shown to demonstrate compliance with the Current Edition of the Florida Building Code, and with the Florida Department of community Affairs of the Statewide Product Approval as per Rule 61G20-3.

Mark A. de Stefano, PE

Mark A. de Stefano, PE
President / Principal

FL PE 61657
Certificate of Authorization 27383



Digitally signed by Mark A DeStefano
DN: c=US, o=DESTEFANO
ENGINEERING GROUP PL,
ou=A01410D0000017164F9277C000
02045, cn=Mark A DeStefano
Reason: This document has been
digitally sealed. Printed copies of this
document are not considered sealed
and the SHA authorization code must
be verified on any electronic copies.
Date: 2020.12.21 16:08:30 -05'00'