R W B C

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Registry License No. 9813

## *Product Evaluation Report*

*Report No.:* *FL-15413.8*

*Date:* *July 29, 2020*

| Product Category | Sub Category | Manufacturer | Product Name |
|---|---|---|---|
| Windows | Mullion | NewSouth Window Solutions<br>10741 Crossroads Commerce Blvd.<br>Tampa, FL 33610<br>(513) 284.0129 | 4175<br>Extruded Aluminum<br>Horizontal & Vertical<br>Clipped Structural Mullions |

***Scope:*** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for NewSouth Window Solutions based on Rule Chapter No. 61G20-3, Method 2B of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

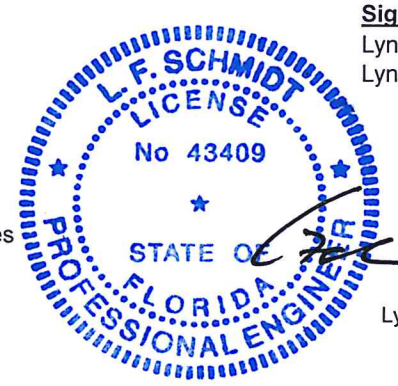
***Limitations:***

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements, including the "High Velocity Hurricane Zone".
2. When used in the "HVHZ", this product (if mulled together with "HVHZ" impact rated windows), complies with Section 1626 of the FBC and does not require an impact resistant covering.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure and be reviewed by the Building Official.
4. Separate product approvals for each glazing product used with these mullions must be submitted along with this mullion product approval. The design pressure rating of the assembly shall be the lesser of the load capacity of the mullion as specified using this approval or the design pressure rating of the individual glazing products used.
5. Anchoring of each glazing product to the mullion shall be as shown in drawing FL-15413.8 or as shown in each individual glazing product approval, whichever is more stringent.
6. Mullion anchor embedment to base material shall be beyond wall dressing or stucco.
7. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
8. Any conditions not covered in this evaluation are subject to separate engineering evaluation.
9. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.
10. See drawing FL-15413.8 for size and design pressure limitations.

***Supporting Documents:***

| | | | |
|---|---|---|---|
| 1. **Test Report No.**<br>TEL 02031435 | **Test Standard**<br>TAS 201, 202 & 203-94 | **Test Laboratory**<br>Testing Evaluation Lab.,Inc. | **Signed & Sealed by**<br>William B. Shelton, P.E. |
| 1. **Drawing No.**<br>No. FL-15413.8 | **Prepared by**<br>RW Building Consultants, Inc. (#9813) | | **Signed & Sealed by**<br>Lyndon F. Schmidt, P.E. |
| 2. **Calculations**<br>Anchoring<br>Mullions<br>(per FBC 1709.8 & R609.8) | **Prepared by**<br>RW Building Consultants, Inc. (#9813)<br>RW Building Consultants, Inc. (#9813) | | **Signed & Sealed by**<br>Lyndon F. Schmidt, P.E.<br>Lyndon F. Schmidt, P.E. |

3. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that NewSouth Window Solutions is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.




Lyndon F. Schmidt, P.E.
FL PE No. 43409
7/29/2020