R W B C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: ***FL-15413.5***

Date: ***July 29, 2020***

Product Category	Sub Category	Manufacturer	Product Name
Windows	Mullion	NewSouth Window Solutions 10741 Crossroads Commerce Blvd. Tampa, FL 33610 (513) 284.0129	4100 / 4150 / 4160 / 4175 Extruded Aluminum Horizontal & Vertical 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, excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring wind borne debris protection, this product (if mulled together with impact rated windows) does not require protection from an impact resistant covering when used in Wind Zones 1, 2 and 3 as defined by ASTM E 1996 and FBC Sections 1609.1.2.2 and R301.2.1.2.1.
3. In Wind Zone 4 as defined by ASTM E 1996, this product must be protected with an impact resistant covering complying with FBC Sections 1609.1.2 and R301.2.1.2.
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-15413.5 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. Any conditions not covered in this evaluation are subject to separate engineering evaluation.
8. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
9. See drawing FL-15413.5 for size and design pressure limitations.

Supporting Documents:

1. **Drawing No.** — No. FL-15413.5 — **Prepared by** — RW Building Consultants, Inc. (#9813) — **Signed & Sealed by** — Lyndon F. Schmidt, P.E.
2. **Calculations** — Mullion/Anchoring (per FBC 1709.8 & R609.8) — **Prepared by** — RW Building Consultants, Inc. (#9813) — **Signed & Sealed by** — 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