

**Product Evaluation Report**

**Report No.:** FL-15903.2

**Date:** October 16, 2012

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Sliding Exterior Door Assemblies	Sun Metals Systems, Inc. 5008 Tampa West Boulevard Tampa, FL 33634 Phone 813.886.0240	Sundor 5000 Sliding Glass Door "Small Missile Impact"

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for Sun Metals Systems, Inc. based on Rule Chapter No. 9N-3, Method 1D 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:**

- This product has been evaluated and is in compliance with the 2010 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone".
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When installed greater than 30 feet above grade in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "A" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.4 of the FBC.
- When installed 30 feet or less above grade, in areas requiring wind borne debris protection this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
- Site conditions that deviate from the details of drawing FL-15903.2 require further engineering analysis by a licensed engineer or registered architect.
- This product meets water filtration requirements for "HVHZ".
- See drawing FL-15903.2 for size and design pressure limitations.

**Supporting Documents:**

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| 1. <b>Test Report No.</b><br>TEL 08-01500016                 | <b>Test Standard</b><br>TAS 201-94, 202-94 and 203-94                                     | <b>Testing Laboratory</b><br>Testing Evaluation Lab., Inc. | <b>Signed by</b><br>Wendell W. Haney, P.E.               |
| 2. <b>Miami Dade NOA</b><br>11-0624.02                       | <b>Materials Testing</b><br>DuPont SentryGlas Interlayer                                  |  |  |
| 3. <b>Materials Testing</b><br>Tremco Glazing Gaskets        | <b>Test Standard</b><br>ASTM C 864 (Option II) per FBC 2411.3.4                           |  |  |
| 4. <b>Drawing No.</b><br>No. FL-15903.2                      | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)                            |  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E. |
| 5. <b>Calculations</b><br>Anchoring<br>ASTM E1300 Glass Load | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)<br>Lyndon F. Schmidt, P.E. |  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E. |

6. **Quality Assurance**

Certificate of Participation issued by National Accreditation and Management Institute, certifying that Sun Metals Systems, Inc. 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  
10/16/2012