

**Product Evaluation Report**

**Report No.:** FL-12809.2  
**Date:** July 6, 2009

Product Category	Sub Category	Manufacturer	Product Name
Panel Walls	Curtain Walls	West Tampa Glass Company, Inc. 2705 N. 35th Street Tampa, FL 33605 Phone 813.247.5528	Series WTG - 500 Aluminum Curtain Wall System "Small Missile Impact" (For use at 30 ft. or higher above grade only)

**Scope:** Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for West Tampa Glass Co., Inc. based on Rule Chapter No. 9B-72.070, Method 1A of the State of Florida Product Approval, Dept. of Community Affairs - Florida Building Commission.

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 2007 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details.
3. When used in the "HVHZ", for installations above 30 feet above grade, this product complies with section 1626 of the FBC as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, for installations above 30 feet above grade, this product complies with section 1626 of the FBC as a small missile impact resistant product and does not require an impact resistant covering (This product meets missile level "A" and includes Wind Zone 4 as defined in ASTM E1996). For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
5. Site conditions and system reinforcement that deviate from the details of drawing FL-12809.2 require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ" (Tested per ASTM E331 @ 20.0 PSF positive pressure).
7. See drawing FL-12809.2 for size and design pressure limitations.
8. All steel in contact with aluminum to be painted or plated.
9. Elevation shown is for illustration only. Window wall may be constructed with an unlimited width and in any combination of units/glazing shown provided the limits for max. panel height, width and D.L.O. are maintained. Mid-rail joints may be installed at any height.

**Supporting Documents:**

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| <p>1. <b>Test Report No.</b><br/>TEL 08-0149001<br/>TEL 01460105</p>  | <p><b>Test Standard</b><br/>TAS 201, 202 &amp; 203 - 94<br/>TAS 201, 202 &amp; 203 - 94</p>  | <p><b>Testing Laboratory</b><br/>Testing Evaluation Laboratory<br/>Testing Evaluation Laboratory</p> | <p><b>Signed &amp; Sealed by</b><br/>Wendell W. Haney, P.E.<br/>Lyndon F. Schmidt, P.E.</p>  |
| <p>2. <b>Materials Testing</b><br/>SGP Interlayer by DuPont<br/>PVB Interlayer by Solutia</p>   | <p><b>Miami-Dade NOA No.</b><br/>07-1116.04<br/>09-0127.13</p>   |  |  |
| <p>3. <b>Materials Testing</b><br/>Gaskets by Tremco</p>  | <p><b>Test Standard</b><br/>ASTM C 864 (Option II) per FBC 2411.3.1</p>  |  |  |
| <p>4. <b>Drawing No.</b><br/>No. FL-12809.2</p>   | <p><b>Prepared by</b><br/>RW Building Consultants, Inc. (CA #9813)</p>   |  | <p><b>Signed &amp; Sealed by</b><br/>Lyndon F. Schmidt, P.E.</p>                             |
| <p>5. <b>Calculations</b><br/>Product Anchoring<br/>Buck Anchoring<br/>ASTM E-1300 Glass</p>  | <p><b>Prepared by</b><br/>RW Building Consultants, Inc. (CA #9813)<br/>RW Building Consultants, Inc. (CA #9813)<br/>Prepared and signed by Lyndon F. Schmidt, P.E.</p> |  | <p><b>Signed &amp; Sealed by</b><br/>Lyndon F. Schmidt, P.E.<br/>Lyndon F. Schmidt, P.E.</p> |
| <p>6. <b>Quality Assurance</b><br/>Certificate of Participation issued by National Accreditation and Management Institute, certifying that West Tampa Glass Co., Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.</p> |  |  |  |

Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
July 6, 2009