

**Product Evaluation Report** **Report No.: FL-16663.10**  
**Date: December 30, 2013**

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Clark Hall Iron Doors, Inc. 307-GW Tremont Ave. Charlotte, NC 28203 (704) 987-0777	Glazed Iron Double Door (Arch Top & Eyebrow) Inswing/Outswing "Impact"

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Clark Hall Iron Doors, Inc. based on Rule Chapter No. 61G20-3, 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 excluding the "High Velocity Hurricane Zone" (HVHZ).
- 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 used 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 "D" and includes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.4 of the FBC.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of drawing FL-16663.10 require further engineering analysis by a licensed engineer or registered architect.
- See drawing FL-16663.10 for size and design pressure limitations.

**Supporting Documents:**

- |  |  |                      |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
|--|--|----------------------|---------------------------|------------------|---------------|-------------------------------|--------------|----------------------------|-------------------------------|--------------|---------------|-------------------------------|--------------|----------------------------|-------------------------------|--------------|--------------------------|-------------------------------|------------------------------|-------------------------|--------------------|-------------------------------|--|-------------------------|--------------------|-------------------------------|--|-------------------------|
| <ol style="list-style-type: none"> <li><b>Test Report No.</b><br/>TEL 03100786<br/>TEL 03100787<br/>TEL 03100786.1<br/>TEL 03100787.1</li> <li><b>Miami-Dade NOA</b><br/>11-0624.02</li> <li><b>Drawing No.</b><br/>No. FL-16663.10</li> <li><b>Calculations</b><br/>Anchor</li> <li><b>Quality Assurance</b><br/>Certificate of Participation issued by National Accreditation and Management Institute, certifying that Clark Hall Iron Doors, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.</li> </ol> | <table border="0"> <tr> <td><b>Test Standard</b></td> <td><b>Testing Laboratory</b></td> <td><b>Signed by</b></td> </tr> <tr> <td>ASTM E 330-02</td> <td>Testing Evaluation Lab., Inc.</td> <td>V. K. Wright</td> </tr> <tr> <td>ASTM E 1886-05 / E 1996-09</td> <td>Testing Evaluation Lab., Inc.</td> <td>V. K. Wright</td> </tr> <tr> <td>ASTM E 330-02</td> <td>Testing Evaluation Lab., Inc.</td> <td>V. K. Wright</td> </tr> <tr> <td>ASTM E 1886-05 / E 1996-09</td> <td>Testing Evaluation Lab., Inc.</td> <td>V. K. Wright</td> </tr> </table><br><table border="0"> <tr> <td><b>Materials Testing</b></td> <td><b>Signed &amp; Sealed by</b></td> </tr> <tr> <td>DuPont SentryGlas Interlayer</td> <td>Lyndon F. Schmidt, P.E.</td> </tr> </table><br><table border="0"> <tr> <td><b>Prepared by</b></td> <td><b>Signed &amp; Sealed by</b></td> </tr> <tr> <td>RW Building Consultants, Inc. (CA #9813)</td> <td>Lyndon F. Schmidt, P.E.</td> </tr> </table><br><table border="0"> <tr> <td><b>Prepared by</b></td> <td><b>Signed &amp; Sealed by</b></td> </tr> <tr> <td>RW Building Consultants, Inc. (CA #9813)</td> <td>Lyndon F. Schmidt, P.E.</td> </tr> </table> | <b>Test Standard</b> | <b>Testing Laboratory</b> | <b>Signed by</b> | ASTM E 330-02 | Testing Evaluation Lab., Inc. | V. K. Wright | ASTM E 1886-05 / E 1996-09 | Testing Evaluation Lab., Inc. | V. K. Wright | ASTM E 330-02 | Testing Evaluation Lab., Inc. | V. K. Wright | ASTM E 1886-05 / E 1996-09 | Testing Evaluation Lab., Inc. | V. K. Wright | <b>Materials Testing</b> | <b>Signed &amp; Sealed by</b> | DuPont SentryGlas Interlayer | Lyndon F. Schmidt, P.E. | <b>Prepared by</b> | <b>Signed &amp; Sealed by</b> | RW Building Consultants, Inc. (CA #9813) | Lyndon F. Schmidt, P.E. | <b>Prepared by</b> | <b>Signed &amp; Sealed by</b> | RW Building Consultants, Inc. (CA #9813) | Lyndon F. Schmidt, P.E. |
| <b>Test Standard</b>   | <b>Testing Laboratory</b>  | <b>Signed by</b>     |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
| ASTM E 330-02  | Testing Evaluation Lab., Inc.  | V. K. Wright         |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
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| <b>Materials Testing</b>   | <b>Signed &amp; Sealed by</b>  |                      |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
| DuPont SentryGlas Interlayer   | Lyndon F. Schmidt, P.E.  |                      |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
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| RW Building Consultants, Inc. (CA #9813)   | Lyndon F. Schmidt, P.E.  |                      |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |
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| RW Building Consultants, Inc. (CA #9813)   | Lyndon F. Schmidt, P.E.  |                      |                           |                  |               |                               |              |                            |                               |              |               |                               |              |                            |                               |              |                          |                               |                              |                         |                    |                               |  |                         |                    |                               |  |                         |



Lyndon F. Schmidt, P.E.  
 FL PE No. 43409  
 12/30/2013