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 Certificate of Authorization No. 9813

Product Evaluation Report

Report No.: *FL-16663.16*

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:

1. This product has been evaluated and is in compliance with the 2010 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. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", this product complies with section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-16663.16 require further engineering analysis by a licensed engineer or registered architect.
6. This product does not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
7. All steel shall be protected as specified in Section 2220 of the FBC. In addition, steel in contact with aluminum shall be protected as specified in Section 2003.8.4 of the FBC.
8. See drawing FL-16663.16 for size and design pressure limitations.

Supporting Documents:

1. **Test Report No.**	**Test Standard**	**Testing Laboratory**	**Signed by**
TEL 03100785	TAS 201, 202 & 203-94	Testing Evaluation Lab., Inc.	William Shelton, P.E.
TEL 03100785.1	TAS 201, 202 & 203-94	Testing Evaluation Lab., Inc.	William Shelton, P.E.
2. **Miami-Dade NOA**	**Materials Testing**		
11-0624.02	DuPont SentryGlas Interlayer		
3. **Drawing No.**	**Prepared by**		**Signed & Sealed by**
No. FL-16663.16	RW Building Consultants, Inc. (CA #9813)		Lyndon F. Schmidt, P.E.
4. **Calculations**	**Prepared by**		**Signed & Sealed by**
Anchor ASTM E 1330 Glass Load	RW Building Consultants, Inc. (CA #9813) Prepared and Signed by Lyndon F. Schmidt, P.E.		Lyndon F. Schmidt, P.E.

5. **Quality Assurance**
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.

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