

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Certificate of Authorization No. 9813

Product Evaluation Report

Report No.: FL-6336.4

Date: September 14, 2015

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Cline Aluminum Doors, Inc. 112 32nd Ave. West Bradenton, FL 34205-8096 800.648.6736	Series 100BE Aluminum Door Outswing "Impact"

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Cline Aluminum 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.

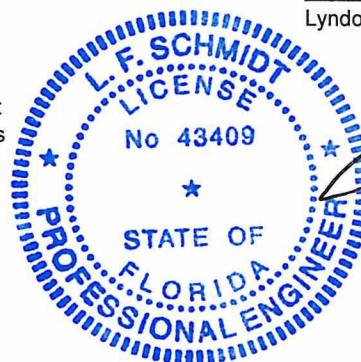
Limitations:

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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. When used in areas outside of the "HVHZ" 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 E 1996 and Section 1609.1.2.2 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-6336.4 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations do 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.
8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.
9. See drawing FL-6336.4 for size and design pressure limitations.

Supporting Documents:

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|---|---|--|--|
| 1. Test Report No.
TEL 01920363.1
TEL 01920364
TEL 01920453
TEL 01901409
TEL 01901407 | Test Standard
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94 | Testing Laboratory
Testing Evaluation Lab.
Testing Evaluation Lab.
Testing Evaluation Lab.
Testing Evaluation Lab.
Testing Evaluation Lab. | Signed by
Lyndon F. Schmidt, P.E.
Lyndon F. Schmidt, P.E.
William B. Shelton, P.E.
William B. Shelton, P.E.
William B. Shelton, P.E. |
| 2. Drawing No.
No. FL-6336.4 | Prepared by
RW Building Consultants, Inc. (CA #9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Miami-Dade NOA No.
14-0916.11 | Materials Testing
Sentryglas® Interlayer | | |
| 4. Calculations
Anchoring
ASTM E 1300 Glass Load | Prepared by
RW Building Consultants, Inc. (CA #9813)
Lyndon F. Schmidt, P.E. | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |

5. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Cline Aluminum 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
9/15/2015