



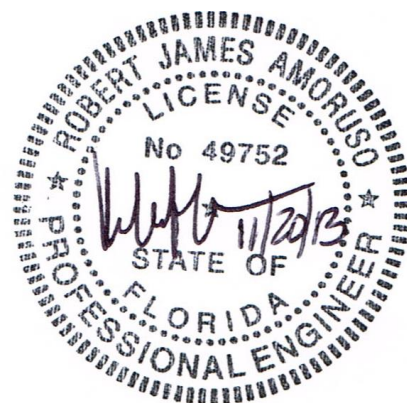
Equivalency of Standards Evaluation to the Current Edition of the Florida Building and Residential Codes

Date:	November 20, 2013
Report #:	2263-EER
Report Revision No.:	0
Project #:	413-1003
Product Mfg.:	Jeld-Wen Inc. 3737 Lakeport Boulevard Klamath Falls, OR 97601
Product Description:	Clipped Aluminum Tube Mullion – LMI/SMI – HVHZ
Product Category:	Windows
Product Sub-Cat:	Mullions
Compliance Method:	Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer
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CERTIFICATE OF INDEPENDENCE

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.





SCOPE

Evaluate equivalency of testing standards used for the performance testing of Jeld-Wen Clipped Aluminum Tube Mullion – LMI/SMI – HVHZ for conformance to the Current Edition of the Florida Building Code – Building and Residential Volumes including the High Velocity Hurricane Zone (HVHZ).

DESCRIPTION OF PRODUCT – INSTALLATION REQUIREMENTS

See Reference 1.a for a description of the product, its installation and other pertinent data related to its approved use.

PERFORMANCE AND TESTING STANDARDS SUMMARY

Reference 2 conducted testing to the following standard(s).

1. TAS201-94, Impact Test Procedures.
2. TAS202-94, Criteria for Testing Impact & Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
3. TAS203-94, Criteria for Testing Products Subjected to Cyclic Wind Pressure Loading.

REFERENCES & SUPPORTING DOCUMENTS

- 1) Drawing
 - a) JELD0108, Rev. 0, dated 11/20/13, signed and sealed by Robert J. Amoruso, P.E. *Jeld-Wen Clipped Aluminum Tube Mullion, Large and Small Missile Impact Resistant - HVHZ, Mullion Span vs. Load Width Tables - Installation Anchorage Details*
- 2) Test Reports by National Certified Testing Laboratory, Inc. in Orlando, FL
 - a) No. NCTL-210-3383-2, dated 10/22/07, TAS 201, 202 and 203 testing for Jeld-Wen LMI Mullion
 - b) No. NCTL-210-3383-2A, dated 6/28/10, TAS 201, 202 and 203 testing for Jeld-Wen LMI Mullion
- 3) Reports
 - a) PTC Report No. 2263, Rev. 0, dated 11/20/13, Product Evaluation for Jeld-Wen Clipped Aluminum Tube Mullion, Large and Small Missile Impact Resistant - HVHZ, Mullion Span vs. Load Width Tables - Installation Anchorage Details, signed and sealed by Robert J. Amoruso, P.E.
- 4) Current Edition of the Florida Building Code – Test Protocols
 - a) TAS201-94
 - b) TAS202-94
 - c) TAS203-94



Product Conformance Evaluation to FBC/FRC

Testing (Reference 2) was conducted to the following standards (as documented in Product Evaluation Report No. 2263 (References 3.a).

<u>Standard</u>	<u>Year</u>
TAS 201	1994
TAS 202	1994
TAS 203	1994

Based upon a review of (a) Chapter 35 of the Current Edition of the Florida Building Codes and (b) Chapter 43 of the Current Edition of the Florida Residential Codes the following is concluded.

- The testing standard revision levels listed above and used for testing of product(s) included in this evaluation have been compared to those currently listed in the Current Edition of the Florida Building and Residential Codes. Based upon that review, it was determined that the test results documented in Reference 2 test reports demonstrate code compliance to the Current Edition of the FBC/FRC with regard to testing requirements, results reporting and results interpretation. No changes exist in the listed testing standards that would necessitate re-testing of the product(s) included in this evaluation.
- Testing standards listed above are all present in Chapter 35 of the Current Edition of the Florida Building Code and Chapter 43 of the Current Edition of the Florida Residential Code.

Therefore, all test standards listed above and test results associated with this product are valid for and demonstrate compliance to the Current Edition of the Florida Building Code and the Current Edition of the Florida Residential Code.