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PRODUCT EVALUATION REPORT

REPORT NO.: 11-1002
DATE: May 3, 2012
PRODUCT CATEGORY: Hurricane Shutters
PRODUCT SUB-CATEGORY: Roll-Up
PRODUCT NAME: Jupiter 58mm Roll-Up Shutter System
MANUFACTURER: Jupiter Industries LLC
 12311 Crystal Commerce Loop
 Fort Myers, FL 33966

SCOPE OF EVALUATION:

This is a Product Evaluation Report issued by **John H. Kampmann Jr., PE** (FBC Org. No.: ANE2480) to **Jupiter Industries LLC**, manufacturer, in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission), Rule Chapter No.: N-3.005, Method 1 (d).

All products listed above have been tested and/or evaluated as described herein to verify compliance with the 2010 edition of the Florida Building Code, and to verify that the product is for the purpose intended, at least equivalent to that required by the Code.

This Product Evaluation Report shall be subject to review and revision following Florida Building Code modifications or revisions.

EVIDENCE SUBMITTED:

PRODUCT EVALUATION DOCUMENTS

MEA Engineers, Inc. Drawing #1-1002 titled "*Jupiter 58mm Roll-Up Shutter System*", Non- High Velocity Hurricane Zone, Sheets 1 - 1, prepared by John H. Kampmann Jr., PE; signed and sealed 5/3/12 by John H. Kampmann Jr., PE; Dated 10/02/11, is an integral part of this Evaluation Report.

TEST REPORTS

Uniform Static Loads per Protocol TAS 202 as per section 1609.1.2 of the Florida Building Code. Test Report prepared by Architectural Testing Inc., Lab No. B4522.01-401-18, Dated 12/16/11 and Lab No. B4519.01-401-18, Dated 02/02/12 for Florida State Approval.

Uniform Static Loads per ASTM E330 as per section 1609.1.2 of the Florida Building Code. Test Report prepared by Architectural Testing Inc., Lab No. B4521.02-401-44, Dated 02/22/12 and Lab No. B4520.02-401-44, Dated 02/22/12 for Florida State Approval.

Large Missile Impact Resistance and Cyclic Loading Performance per Protocol TAS 201 and TAS 203 as per section 1609.1.2 of the Florida Building Code. Test Report prepared by Architectural Testing Inc., Lab No. B4522.01-401-18, Dated 12/16/11 and Lab No. B4519.01-401-18, Dated 02/02/12 for Florida State Approval.

Large Missile Impact Resistance and Cyclic Loading Performance per ASTM E1886 and ASTM E1996 Protocols as per section 1609.1.2 of the Florida Building Code. Test Report prepared by

Architectural Testing Inc., Lab No. B4521.02-401-44, Dated 02/22/12 and Lab No. B4520.02-401-44, Dated 02/22/12 for Florida State Approval.

STRUCTURAL ENGINEERING CALCULATIONS

Structural Engineering Calculations have been prepared which evaluate the product for maximum span vs. design wind load; maximum anchor spacing vs. design wind load and span based on rational and comparative analysis, per section 1604 and 2002 of the Florida Building Code. (Non-HVHZ)

MISSILE IMPACT RESISTANCE:

Large Missile Impact, per section 1609.1.2 of the Florida Building Code, as per TAS 201 Protocol

WIND LOAD RESISTANCE:

The product(s) listed above have been designed to resist wind loads as indicated in the span schedule(s) on its respective Product Evaluation Document – Drawing noted above.

INSTALLATION:

The product(s) listed above shall be installed in strict compliance as indicated in its respective Product Evaluation Document – Drawing noted above.

MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

The product(s) listed above shall be installed in strict compliance as indicated in its respective Product Evaluation Document – Drawing noted above.

LIMITATIONS AND CONDITIONS OF USE:

The product(s) listed above shall be installed in strict compliance as indicated in its respective Product Evaluation Document – Drawing noted above.

Conditions which are not indicated or accounted for in the Product Evaluation Document shall be designed for on a site-specific basis by a Florida Licensed Professional Engineer.

All components which are permanently installed shall be protected against corrosion, contamination and other such damage at all times. Periodic inspection is strongly recommended to insure its continued safe use.

The product(s) listed above **SHALL NOT** be installed within the HIGH VELOCITY HURRICANE ZONES as defined in section 1620 of the Florida Building Code, nor Wind Zone 4 (section 1609.1.2.4), nor Essential Facilities.

The product(s) listed above shall only be installed onto Concrete Block, Poured Concrete and Wood Frame Structures.

Product Evaluation Report prepared by John H. Kampmann Jr., PE (Florida License No.: 47516, President of MEA Engineers, Inc. (CA-6752)

