



ENGCO Inc.
Engineering Services

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PRODUCT EVALUATION REPORT
RULE 9B-72.070 (1) (d) – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 12-043

- 1- Date:** 2/28/2012
- 2- Manufacturer:** Croci North America
11600 Adelmo Lane – Fort Myers
Florida, 33966
- 3- Product Name:** 12-043 – Croci Extruded Aluminum Shutter
Level D Impact Rated
- 4- Evaluation Entity:** Florida Professional Engineer
Pedro Paulo M. De Figueiredo – PE 52609
5595 Orange Drive, Suite 201
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5- Statement of Compliance: This product evaluation report is being issued per Rule Chapter No. 9B-72 section 9B-72.070 (1) (d) of the Department of Community Affairs – Florida Building Commission. The products covered by this report have proven to be in compliance with the Florida Building Code 2010, not limited to the following standards: ASTM E330, E1996, E1886; SSTD12-99, Aluminum Design Manual 2005 and AF&PA NDS 2005.

6- Product Description: This product is an Aluminum Accordin type Shutter designed, constructed and erected to easily enclose an area, providing protection from hurricane force winds and level D missile windborne debris within the allowable designed pressures and limitations stated in this approval. Specification for design, fabrication and installation is found in drawings 12-043.

7- Technical Documentation:

7.1- Approval Document: Drawing number 12-043 prepared by Engco, Inc. on 2/28/2012 sheets 1 through 9 of 9, titled "Crocí Accordion Shutter" , signed and sealed by Pedro De Figueiredo, PE.

7.2- Test Reports – Product has been tested at CTC and FTL Laboratories with the following reports: CTC 05-035 and FTL 09-468.

7.3- Calculations: Calculations numbered 09-227 for slats design and track anchorage, prepared by Engco, Inc. on 12/05/2009 signed and sealed by Pedro De Figueiredo, PE.

8- Limitation and Conditions of use:

Product to be manufactured, designed and installed as per drawing specifications 12-043, prepared by Engco, Inc dated on 2/28/2012 and signed and sealed by Pedro De Figueiredo, PE.

9- Others:

