



ENGCO Inc.
Engineering Services

ENGCO, Inc.
CA 8116
5595 Orange Drive #201
Davie - Florida - 33314
Tel.: (954) 585-0304 Fax: (954) 585-0305
Engco@aol.com

PRODUCT EVALUATION REPORT
RULE 9B-72.070 (1) (d) – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 12-003

1- Date: 01/09/2012

2- Association / Manufacturer: Advanced Hurricane Technology, Inc.
2409 J&C Blvd. – Naples, Florida, 34109

3- Product Name: 12-003 – AHT SUPERSPAN
Impact Rolling Shutter
Large & Small Missile Impact Rated

4- Evaluation Entity: Florida Professional Engineer
Pedro Paulo M. De Figueiredo – PE 52609
5595 Orange Drive Suite 201
Davie – Florida – 33314

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 E330-02, E1996-09, E1886-05; SSTD12-99, Aluminum Design Manual 2005 and AF&PA NDS 2005.

6- Product Description: This product is an Aluminum Rolling Type Shutter designed, constructed and erected to easily enclose an area, providing protection from hurricane force winds and large missile windborne debris within the allowable designed pressures and limitations stated in this approval. Specification for design, fabrication and installation is found in drawings 12-003.

7- Technical Documentation:

7.1- Approval Document: Drawing number 12-003 prepared by Engco, Inc. on 01/06/2012 sheets 1 through 13 of 13, titled "AHT SUPERSPAN" signed and sealed by Pedro De Figueiredo, PE.

7.2- Test Reports – Product has been tested at Fenestration Testing Laboratory, Inc. (FTL) with the following reports: 5849 and 5818 (ASTM), and 5769 and 5842 (TAS).

7.3- Calculations: Calculations and design for slats, track anchorage, storm bars, headers and mullions and analysis of test results, prepared by Engco, Inc. on 4/2/2009 signed and sealed by Pedro De Figueiredo, PE.

8- Limitation and Conditions of use:

8.1 – Glazing separation (Table 2 of drawings 12-003) must be used when the product is to be installed in the following locations:

a - In wind zone 4 where the specifying authority has specified optional additional pass/fail criteria in accordance with ASTM E1996-09 section 7.2. Wind Zone 4 as defined in ASTM E 1996-09 with modification by the Florida building Code 2010 Section 1609.1.2.4 (Locations with basic wind speed greater than 160 mph)

b- "Essential Facilities" as defined in the ASCE 7.

8.2 – Product to be manufactured, designed and installed as per drawing specifications 12-003, prepared by Engco, Inc dated on 01/06/2012 and signed and sealed by Pedro De Figueiredo, PE.

8.3- Product **NOT TO BE INSTALLED** in "High Velocity Hurricane Zones" (Miami and Broward Counties) as defined on section 202 of the Florida Building Code.

9- Others:

