

ENGCO Inc.
Engineering Services

ENGCO, Inc.
CA 8116
9715 WEST BROWARD BLVD 247
PLANTATION, FL 33324
EMAIL: Engco@aol.com

PRODUCT EVALUATION REPORT
RULE 61G20-3 – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 20-130

1- Date: 08/12/2020

2- Association of Manufacturers: National Approved Shutter Association LLC - (N.A.S.A.)
15701 SW 29th Street, suite 100
Miramar, Florida 33027

3- Product Name: RE 1500 Ultra ER
Extruded Aluminum Impact Protective System
Large & Small Missile Impact Rated

4- Evaluation Entity: Florida Professional Engineer
Pedro Paulo M. De Figueiredo – PE 52609
9715 West Broward Blvd. 247, Plantation, FL 33324

5- Statement of Compliance:

This product evaluation report is being issued per Rule 61G20-3 of the Florida Department of Business and Professional Regulation. The products covered by this report have proven to be in compliance with the Florida Building Code 2020 – 7th edition, not limited to the following standards: ASTM E330, E1886, E1996; TAS 201, 202, 203; Aluminum Design Manual 2015 and AF&PA NDS 2018.

6- Product Description:

This product is an Extruded Aluminum Impact Protective System designed, construct and erected to easily enclose an area, providing protection from hurricane force winds and Level D/ Large missile windborne debris within the allowable designed pressures and limitations stated in this approval.

7- Supporting Technical Data:

7.1- Approval Document: Drawing number 20-130 prepared by Engco, Inc. on 08/12/2020 sheets 1 through 10 of 10, titled "RE1500 Ultra ER" Extruded Aluminum Operable Impact Protective System signed and sealed by Pedro De Figueiredo, PE.

7.2- Test Reports – Fenestration Testing Laboratory report # 5218-01, dated on 03/30/07 and signed and sealed by Mr. Carlos S. Rionda, PE 12984.

7.3- Calculations:

Original Calculations and design for slats, track anchorage and mullions and analysis of test results, prepared by Engco, Inc. on 7/06/07 signed and sealed by Pedro De Figueiredo, PE.

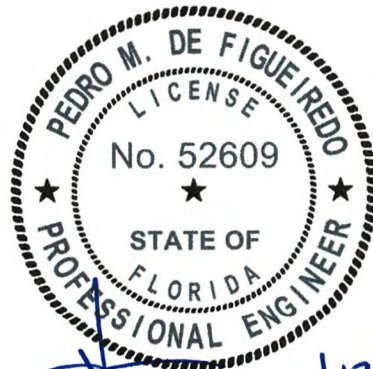
Editorial drawings revision numbered 20-130 in compliance with the FBC 2020 – 7th edition

8- Limitation and Conditions of use:

Product designed, manufactured and installed as per drawing specifications 20-130, prepared by Engco, Inc dated on 08/12/2020 and signed and sealed by Pedro De Figueiredo, PE.

9- Others:

Letter of authorization from Roller Star providing Engco Inc release for use of the test data and calculations for reproducing drawings under N.A.S.A. association.



Pedro De Figueiredo

Fl. P.E. License: 52609

System ID: 2504