



ENGCO Inc.
Engineering Services

ENGCO, Inc. - CA 8116
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Plantation - FL - 33324
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PRODUCT EVALUATION REPORT
RULE 61G20-3 – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 20-166

- 1- Date:** 10/13/2020
- 2- Manufacturer:** Roller Star USA
6278 North Federal Hwy #162
Fort Lauderdale, Florida 33308
- 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, constructed 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 20-166 prepared by Engco, Inc. on 10/13/2020 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 Testing Laboratory 5218-01

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 20-166 in compliance with the FBC 2020 – 7th edition

8- Limitation and Conditions of use:

Product to be manufactured, designed and installed as per drawing specifications 20-166, prepared by Engco, Inc dated on 10/13/2020 and signed and sealed by Pedro De Figueiredo, PE.

9- Others:



OCT 13 2020

Pedro De Figueiredo

Fl. P.E. License: 52609

System ID: 2504