

PRODUCT EVALUATION REPORT
RULE 61G20-3 – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 23-220

- 1- Date:** 12/01/2023
- 2- Manufacturer:** Maximum Shutter Systems, Inc.
2000 Stirling Road
Dania Beach, Florida 33004
- 3- Product Name:** RHINO
Extruded Aluminum Accordion Shutters
Large & Small Missile Impact Rated
- 4- Evaluation Entity:** Florida Professional Engineer
Pedro Paulo M. De Figueiredo – PE 52609
9715 West Broward Blvd. 247
Plantation – Florida – 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 compliant with the Florida Building Code 2023, 8th Edition, not limited to the following standards TAS 201-94, 202-94, 203-94, ASTM E330, ASTM E1996, ASTM E1886, Aluminum Design Manual 2020 and AWC NDS 2018.

6- Product Description:

This product is an Accordion type hurricane 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 23-220.

7- Technical Documentation:

7.1- Approval Document: Drawings number 23-220 (18 sheets) prepared by PPMF Inc. on 12/01/2023, titled "RHINO shutter", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE.

7.2- Test Reports – Product has been tested at Black Water Testing Laboratory Inc with signed and sealed (Yamil Kuri - PE 44726) report number JLPS 13-001 and NASA 14-001.

7.3- Engineering Documents:

Original Calculations and design 13-140, prepared on 11/26/2013.

Addendum calculations and design 14-261, prepared on 12/20/2014.

Revisions calculations 15-113 based on the FBC 2014, 5th Edition prepared on 4/7/2015

Revisions calculations 18-048 based on the FBC 2017, 6th Edition, prepared on 02/06/2018

Editorial Revisions 20-160 based on the FBC 2020, 7th Edition, prepared on 09/18/2020

Editorial Revisions 23-220 based on the FBC 2023, 8th Edition, prepared on 12/01/2023

All documents prepared, signed and sealed by Pedro De Figueiredo, PE.

8- Limitation and Conditions of use:

Design as per drawings 23-220 instructions and details

9- Others:

Authorization from N.A.S.A. dated 12/05/2023



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