

PRODUCT EVALUATION REPORT
RULE 61G20-3 – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER
Report Number: 23-131

- 1- Date:** 08/16/2023
- 2- Manufacturer:** Willard Shutter Company Inc
4420 NW 35th Court
Miami, FL 33142
- 3- Product Name:** W6 WDR
Extruded Aluminum Louvers
Large 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, Aluminum Design Manual 2020 and AF&PA NDS 2018.

6- Product Description: This product is an Architectural Wall Aluminum Louver 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 23-131.

7- Technical Documentation:

7.1- Approval Documents:

FBC 2010 drawing number 13-054 (4 sheets) prepared by Engco, Inc. on 09/12/2013, titled "W6 WDR Aluminum Louvers", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE. (Replaced by 15-136)

Revised FBC 2014 Drawings number 15-136 (4 sheets) prepared by Engco, Inc. on 04/22/2015, titled "W6 WDR Aluminum Louvers", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE

Revised FBC 2017-6th Edition Drawings number 18-056 (4 sheets) prepared by PPMF, Inc. on 01/31/2018, titled "W6 WDR Aluminum Louvers", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE

Revised FBC 2020-7th Edition Drawings number 20-082 (4 sheets) prepared by PPMF, Inc. on 07/10/2020, titled "W6 WDR Aluminum Louvers", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE

Revised FBC 2023-8th Edition Drawings number 23-131 (4 sheets) prepared by PPMF, Inc. on 08/16/2023, titled "W6 WDR Aluminum Louvers", signed and sealed by Pedro Paulo Mauricio De Figueiredo, PE

7.2- Test Reports – Product has been tested at Fenestration Testing Laboratory Inc with report numbers 7351 and 7569, dated 11/25/2013. Reports are signed and sealed by Marlin D. Brinson P.E. 60749 Florida Professional Engineer

7.3- Calculations:

FBC 2010 Original Calculations and design 13-054, prepared on 09/12/2013.

FBC 2014 Calculation Revision 15-136, prepared on 04/22/2015.

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

8- Limitation and Conditions of use:

8.1 – Product is limited to pressures and sizes specified on tables 1 and 2 of drawings 23-131 on sheet 2 of 4.

8.2 – Product is not tested or qualified for installations where water infiltration requirements are required.

9- Others:



Pedro
Figueiredo

Digitally signed by
Pedro Figueiredo

Date: 2023.08.16

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Pedro De Figueiredo

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