

WALTER A. TILLIT, JR., P.E.

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PRODUCT EVALUATION REPORT

REPORT NO.: 23-0915.01

DATE: September 15, 2023

PRODUCT CATEGORY: Hurricane Shutters

PRODUCT SUB-CATEGORY: Storm Panels

PRODUCT NAME: 0.0375" THICK GALVANIZED STEEL
STORM PANEL

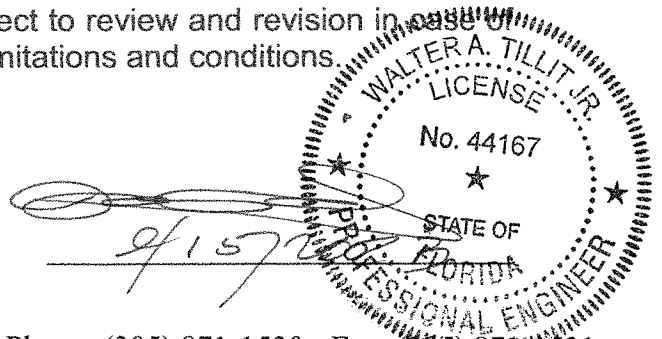
MANUFACTURER: Miami Dade Aluminum Corp.
1615 W 31 Place.
Hialeah, Florida 33012

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Miami Dade Aluminum Corp.**, manufacturer, based on **Rule Chapter No. 61G20-3, Method 1D of the Florida Department of Business and Professional Regulation.**

This product is being issued an Evaluation Report as described herein and has been verified for compliance in accordance with the 2023 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

This Product Evaluation Report shall be subject to review and revision in case of a Building Code Change that may affect its limitations and conditions.



2. EVIDENCE SUBMITTED:

2.1. PRODUCT EVALUATION DOCUMENT (P.E.D.):

Drawing No. 23-218, titled "0.0375" THICK GALVANIZED STEEL STORM PANEL", sheets 1, 1A thru 4 of 4 prepared by **Tilteco, Inc.**; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated **09/15/2023**. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Large missile impact and cyclic load tests were performed under Protocols TAS 201 and 203 as per sections 1626 and 1609.1.2 of the Florida Building Code. Uniform static loads as per Protocol TAS 202. Test reports prepared by Hurricane Engineering & Testing Inc., Reports No. HETI 98-710, dated February 6, 1998, signed by Waqar Ali, PhD and signed and sealed by Hector M. Medina, P.E., Report No. HETI 98-711, dated March 30, 1998, signed and sealed by Hector M. Medina, P.E., Report No. HETI 98-730, dated May 1, 1998, signed and sealed by Hector M. Medina, P.E.

Tensile test report No. HETI 98-793 by Hurricane Engineering & Testing, Inc., dated May 19, 1998, signed and sealed Hector M. Medina, P.E.

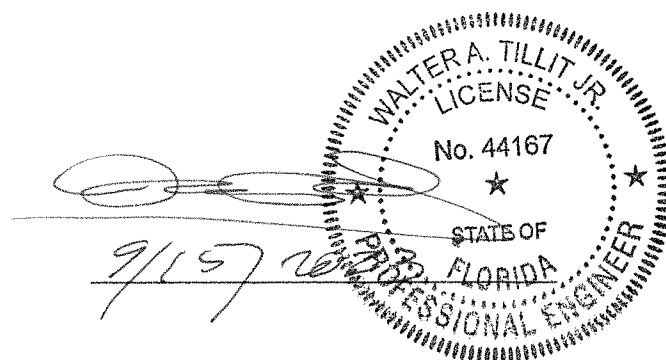
Mill certificates from R & R Metals certify chemical composition and mechanical properties for panel.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "0.0375" GALVANIZED STEEL STORM PANEL" for maximum panel length vs. design wind load, as well as maximum anchor spacing vs. design wind load and panel length based on rational and comparative analysis, in accordance with sections 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 09/07/05 and 04/30/2015, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Large missile impact under section 1609.1.2 and section 1626 of the Florida Building Code, as per TAS 201 Protocol. (2" x 4", 50 ft/sec).



4. WIND LOADS RESISTANCE:

"0.0375" THICK GALVANIZED STEEL STORM PANEL" has been verified to sustain wind pressures. Maximum panel length shall be as indicated on sheet 3 of 4 of Product Evaluation Document (P.E.D.), drawing No. 23-218. Maximum Anchor Spacing shall be as indicated on sheet 3, of Product Evaluation Document (P.E.D.), drawing No. 23-218..

5. INSTALLATION:

Installation shall be performed strictly in accordance with the details indicated on sheets 2, 3 and 4, of Product Evaluation Document (P.E.D.), drawing No. 23-218. Minimum separation to glass shall be as indicated on sheet 3 of Product Evaluation Document (P.E.D.), drawing No. 23-218.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheet 1, 1A, of Product Evaluation Document (P.E.D.), Drawing No. 23-218.

Anchor specifications shall be as indicated on sheets 1, 3, and 4, of Product Evaluation Document (P.E.D.), drawing No. 23-218..

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 7 thru 12, indicated on sheet 1, of Product Evaluation Document (P.E.D.), drawing No. 23-218 prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product **may be** installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code and out of it.

7.3. Product **shall only** be installed into poured concrete, concrete block, and wood frame structures.

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida CA-0006719).

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