



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

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PRODUCT EVALUATION REPORT

REPORT NO.: 20-0716.02

DATE: July 16, 2020

PRODUCT CATEGORY: Doors

PRODUCT SUB-CATEGORY: Roll Up Doors

PRODUCT NAME: BARRACUDA I END RETENTION ROLL UP DOOR SYSTEM

SUBMITTED BY: Alutech United, Inc.
15 Dixon St.
Selbyville, DE 19975

1. PURPOSE OF EVALUATION:

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

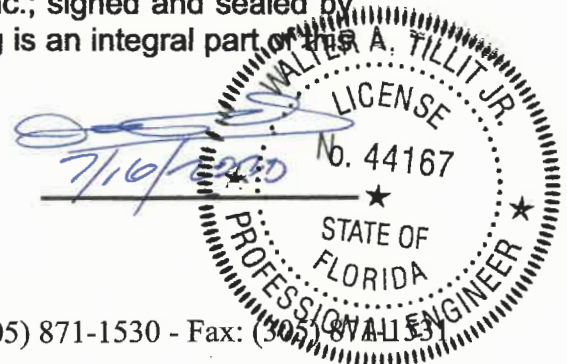
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2020 Seventh Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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 20-201, titled "**BARRACUDA I END RETENTION ROLL UP DOOR SYSTEM**", sheets 1 thru 6 of 6, prepared by Tilteco, Inc.; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated 07/15/2020. This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Large missile impact and fatigue loading under TAS 201 & 203 Protocols, as per section 1626 of the Florida Building Code. Uniform Static loads in accordance with Protocol TAS 202. Test reports prepared by Architectural Testing Lab, Report No. 66443.01-109-18 signed and sealed by Joseph A. Reed, P.E. dated 01/19/07 and Report No. 78796.01-109-18, signed and sealed by Michael D. Trammel, P.E. dated 02/21/08.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Barracuda I End Retention Roll Up Door System for maximum door span vs. design wind load, as well as maximum anchor spacing vs. design wind load and door span based on rational and comparative analysis, and in accordance with sections 1604, 1616 and 2003 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated March 28, 2008 and March 15, 2015 signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Large missile impact under section 1626 of the Florida Building Code, as per TAS 201 Protocol (large missile).

4. WIND LOADS RESISTANCE:

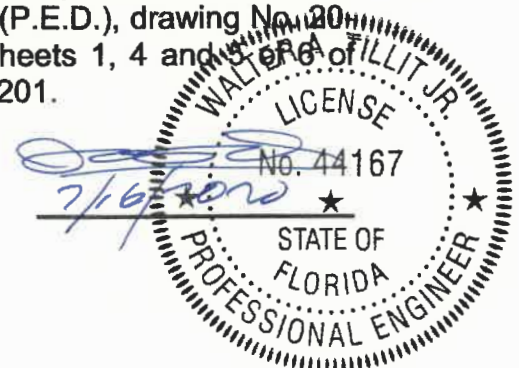
Barracuda I End Retention Roll Up Door System has been verified to sustain wind pressures. Maximum Door Span shall be as indicated on sheet 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201. Maximum Anchor Spacing and Specifications shall be as indicated on sheets 4, 5 and 6 of 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201.

5. INSTALLATION:

Shall be strictly performed in accordance with details indicated on sheets 1, 4 and 5 of 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201. Minimum separation to glass shall be as indicated on sheet 6 of 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1, 2 and 3 of 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201. Anchor specifications shall be as indicated on sheets 1, 4 and 5 of 6 of Product Evaluation Document (P.E.D.), drawing No. 20-201.



7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 7, 8, 9, 10, 11, 12 and 13 indicated on sheet 1 of 6, of Product Evaluation Document (P.E.D.), drawing No. 20-201 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 1620.2 of the Florida Building Code.

7.3. Product shall only be installed into poured concrete structures, grouted filled concrete block or wood frame walls, as limited and defined on Product Evaluation Document No. 20-201.

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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