TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY

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

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FL P.E. License No. 44167
FL C.A. License No. 0006719

PRODUCT EVALUATION REPORT

REPORT NO.: 25-0114.01

DATE: January 14, 2025

PRODUCT CATEGORY: Panel Walls

PRODUCT SUB-CATEGORY: Siding

PRODUCT NAME: **"Decorative European Exterior Wall Cladding Panels UH58 (7") & UH68 (6")"**

MANUFACTURER: **New TechWood America, Inc**
16680 Air Center Blvd.
Houston, TX 77032

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **New TechWood America, 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 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. **24-050** Titled **Decorative European Exterior Wall Cladding Panels UH58 (7") & UH68 (6")** sheets 1 thru 24 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated11/25/2024. This drawing is an integral part of this Evaluation Report.

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2.2. TEST REPORTS:

Uniform static wind and cyclic loads per Protocol TAS 202 and 203, per sections 1626 and 1609.1.2 of the Florida Building Code. Uniform static loads as per Protocol TAS 202.
Test reports prepared by Blackwater Technical Services, Inc , report No. BT-NTW-24-001, dated 10/11/2024, signed and sealed by Mr. Michael D. Caldwell P.E.
Fire burning characteristics per ASTM E-84, ASTM D1929 & D635, Tests prepared by QAI LAB & Blackwater Testing Lab Reports #RJ6449F-1, RJA449F2 RJA449F3.
Weathering Testing per ASTM G-155 and ASTM D638, per Blackwater Testing, Inc Report # BT-NTW-19-001.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On **Decorative European Exterior Wall Cladding Panels UH58 (7") & UH68 (6")** for maximum anchor spacing at furring vs. design wind load and substrate type based on rational and comparative analysis, and in accordance with sections 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 1/13/2025, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Not applicable. See P.E.D. Drawing # **24-050,** note 2, sheet 1 for limitations.

4. WIND LOADS RESISTANCE:

Decorative European Exterior Wall Cladding Panels UH58 (7") & UH68 (6") has been verified to sustain wind pressures. Maximum spacing between furring shall be as indicated on sheets 3, 8, 14 & 19 of Product Evaluation Document (P.E.D.), drawing No. **24-050** Maximum Anchor Spacing for connection of furring "6" to applicable substrates shall be as indicated on sheet 24 of Product Evaluation Document (P.E.D.), drawing No **24-050**.

5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 12 and 14 thru 23, of Product Evaluation Document (P.E.D.), drawing No. **24-050.**

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 2, and 13 of Product Evaluation Document (P.E.D.), drawing No **24-050.**

Anchor specifications for furring "6" anchorage shall be as indicated on sheets 2 & 13 of Product Evaluation Document (P.E.D.), drawing No. **24-050**

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7. LIMITATIONS AND CONDITIONS OF USE:

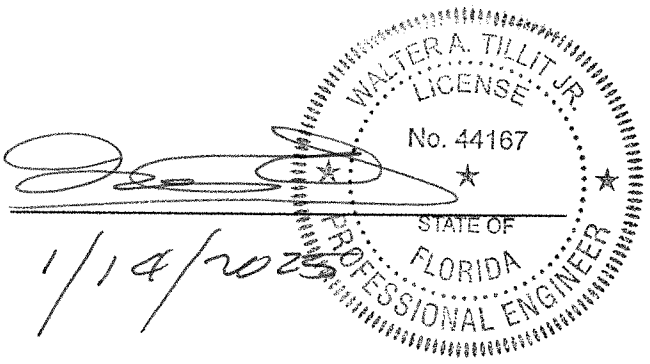
7.1. Shall be strictly in compliance with General Notes No. 1 thru 9, indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **24-050** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

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 wall and wood structures with limitations indicated on sheet 24 of Product Evaluation Document (P.E.D.), drawing No.**24-050.**

7.4 Rate of Burring Limited to CC-1 Class fire burning characteristic

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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