

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

PRODUCT EVALUATION REPORT

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

REPORT NO.: 23-0714.21

DATE: July 14, 2023

PRODUCT CATEGORY: Panel Walls

PRODUCT SUB-CATEGORY: Siding

PRODUCT NAME: **EXTERIOR WALL CLADDING PANEL US09 SYSTEM**

MANUFACTURER: **NewTechWood America, Inc.**
15912 International Plaza Drive,
Houston, Texas 77032

1. PURPOSE OF EVALUATION:

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

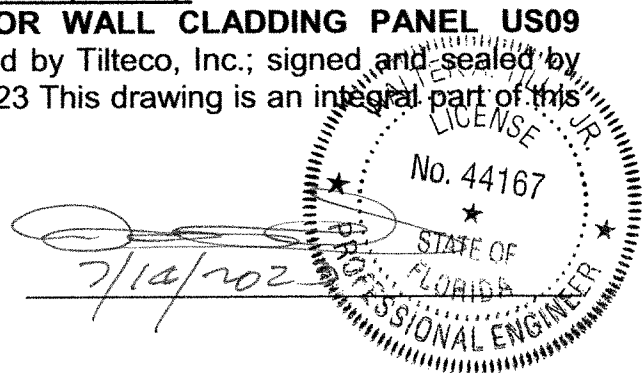
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2023 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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. 23-110 Titled "**EXTERIOR WALL CLADDING PANEL US09 SYSTEM**" sheets 1 thru 5 of 5 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 07/14/2023 This drawing is an integral part of this Evaluation Report.



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.

Test reports prepared by Blackwater Testing Lab, report No. BT-NTW 18-001, dated 07/15/2019, signed and sealed by Mr. Constantin Bortes, P.E.

Fire burning characteristics per ASTM E-84, ASTM D635, ASTM D1929; Tests prepared by QAI Report, signed by Greg Banasky

Weathering testing, per ASTM G-155 and ASTM D638, per Blackwater Testing Lab report # BT-NTW-19-001, signed by Mr. Constantin Bortes, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Exterior Wall Cladding Panel US09 System for maximum anchor spacing at subframe vs. design wind load and substrate type based on rational and comparative analysis, and in accordance with section 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 08/07/19, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Not applicable. See P.E.D. Drawing # **23-110**, note 2, sheet 1 for limitations, and requirements for existing wall supporting this product.

4. WIND LOADS RESISTANCE:

Exterior Wall Cladding Panel US09 System has been verified to sustain wind pressures. Maximum Siding Plank Span between subframe shall be as indicated on sheets 3 and 4 of Product Evaluation Document (P.E.D.), drawing No. **23-110**. Maximum Anchor Spacing for connection of subframe to applicable substrates shall be as indicated on sheet 5, of Product Evaluation Document (P.E.D.), drawing No. **23-110**.

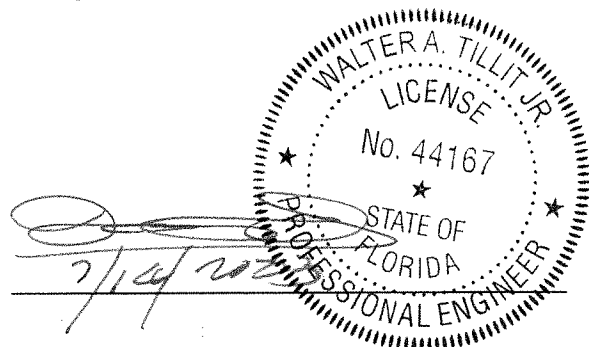
5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 5, of Product Evaluation Document (P.E.D.), drawing No. **23-110**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 2, of Product Evaluation Document (P.E.D.), drawing No. **23-110**.

Anchor specifications for subframe anchorage shall be as indicated on sheet 5, of Product Evaluation Document (P.E.D.), drawing No. **23-110**.



7. LIMITATIONS AND CONDITIONS OF USE:

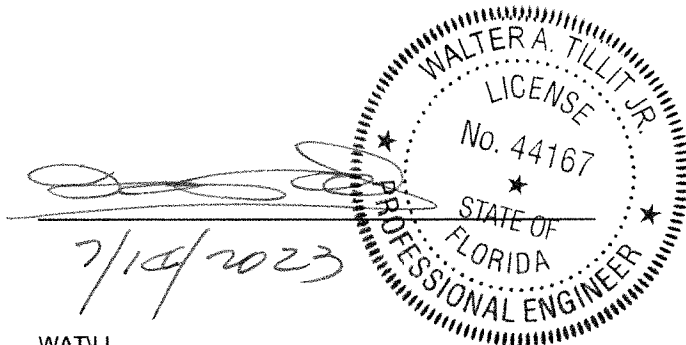
7.1. Shall be strictly in compliance with General Notes No. 1 thru 9, indicated on sheet 1 Product Evaluation Document (P.E.D.), drawing No. **23-110** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

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 note 2, sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **23-110**.

7.4 Resistance to weathering requires coating applied to planks, made of polyethylene base compounded polymer, with 58 hardness, provided by New TechWood America Inc.

7.5 Resistance to fire limited to a class "C" fire burning characteristic rating.

A circular professional engineer seal for Walter A. Tillit Jr., License No. 44167, State of Florida. The seal is stamped over a handwritten signature and the date 7/14/2023.

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PANEL US09 SYSTEM \ DRWG # 23-110 \ REPORT # 23-0714.21