



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.: 25-1204.02
DATE: December 4, 2025
PRODUCT CATEGORY: Panel Walls
PRODUCT SUB-CATEGORY: Siding
PRODUCT NAME: Exterior Siding Wall System with Lunawood Spruce Thermowood
MANUFACTURER: LUNAWOOD, LLC
5596 Riverview Rd SE
Mableton, GA 30126

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **LUNAWOOD, LLC**, 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.

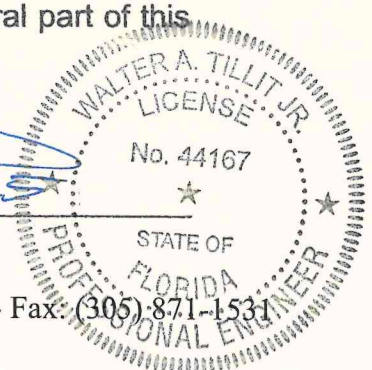
This Product Evaluation Report shall be subject to review and revision in case of a Building Code Change that may affect its limitations and conditions.

2. EVIDENCE SUBMITTED:

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

Drawing No 24-127 Titled "Exterior Siding Wall System with Lunawood Spruce Thermowood" sheets 1 thru 12 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 12/5/2025. This drawing is an integral part of this Evaluation Report.

12/15/2025



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, report No. BT-LUN 24-001, dated 10/29/2025, signed and sealed by Mr. Michael Caldwell, P.E.

Fire burning characteristics per ASTM E-84, per sections 2303.02 & 2314.4.4 of the Florida Building Code; Tests prepared by INTERTEK Report #S3525.01-121-24 dated 05/23/2025, signed by Scott Gingrich & Ethan Grove.

Weathering testing on Modulus of Elasticity, Modulus of Rupture and #5 x 2" screws, per ASTM D4761 and ASTM D1761, per Blackwater Technical Services report # BT-LUN-24-001, dated 10/29/2025, signed by Mr. Michael Caldwell, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Exterior Siding Wall System 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 12/4/2025, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Not applicable. See P.E.D. Drawing # 24-127, note 2, sheet 1 for limitations.

4. WIND LOADS RESISTANCE:

Exterior Siding Wall System has been verified to sustain wind pressures. Maximum Siding Plank Span between furring shall be 16" O.C., as indicated on sheets 3 thru 11 of Product Evaluation Document (P.E.D.), drawing No. 24-127. Maximum Anchor Spacing for connection of furring 4A or 4B to applicable substrates shall be as indicated on sheet 12, of Product Evaluation Document (P.E.D.), drawing No. 24-127.

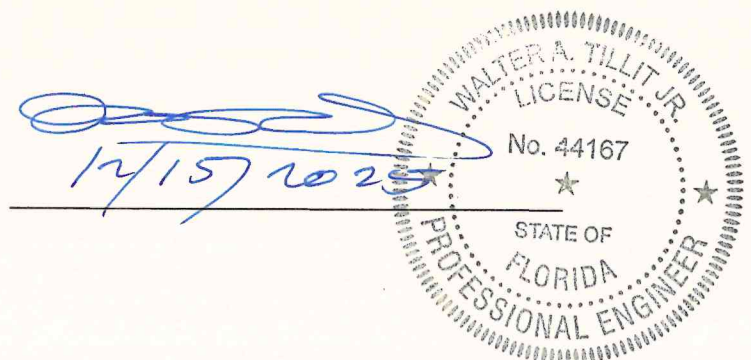
5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 11, of Product Evaluation Document (P.E.D.), drawing No. 24-127.

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. 24-127.

Anchor specifications for furring 4A or 4B anchorage shall be as indicated on sheets 2 & 12, of Product Evaluation Document (P.E.D.), drawing No. 24-127.



7. LIMITATIONS AND CONDITIONS OF USE:

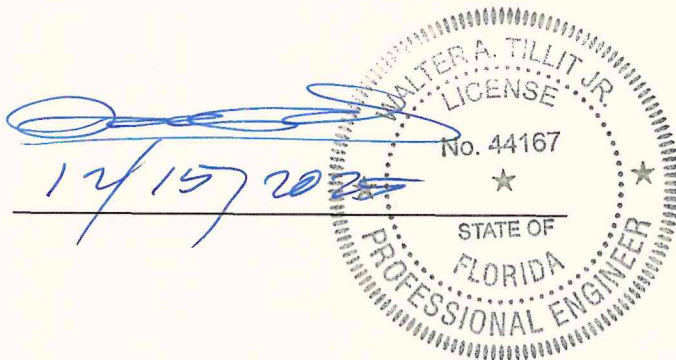
7.1. Shall be strictly in compliance with General Notes No. 1 thru 9, indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **24-127** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

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 sheets 3 thru 12 of Product Evaluation Document (P.E.D.), drawing No.**24-127**

7.4 Resistance to fire Limited to Class B & C for Frame Spread & Smoke Index respectively.

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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