



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.: 24-0305.01
DATE: March 5, 2024
PRODUCT CATEGORY: Panel Walls
PRODUCT SUB-CATEGORY: Soffit
PRODUCT NAME: CWS 6" Decorative Exterior Soffit Systems
MANUFACTURER: CHAMCLAD BY CHAMELEON
10235 – 184 ST, N.W
EDMONTON, AB T5S 2J4
Canada

1. PURPOSE OF EVALUATION:

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

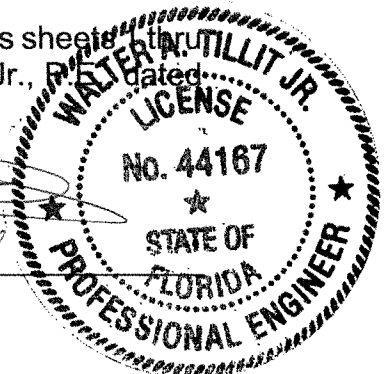
This Product Evaluation Report shall be subject to review and revision in case of a Building Code Change that may affect its limitations and conditions.

2. EVIDENCE SUBMITTED:

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

Drawing No. **24-016** Titled CWS 6" Decorative Exterior Soffit Systems sheets 1 through 14 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E. dated 3/5/2024. This drawing is an integral part of this Evaluation Report.


3/5/2024



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 Element Lab, report No. ESP039708P, dated 10/07/20231 and ESP041447P, dated 2/27/2024, signed and sealed by Mr. Jason Steen, P.E.

Fire burning characteristics per ASTM D2843 & 0635, Tests prepared by Element Laboratories Report #23-06-P0002 dated 08/31/2023,

Weathering Testing on Modulus of Elasticity per ASTM G-155 and ASTM D638, per Element Lab Report #23-06-P0002, dated 08/31/2023.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On CWS 6" Decorative Exterior Soffit Systems 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 2/14/2024 & 3/5/2024, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Not applicable. See P.E.D. Drawing # 24-016, note 2, sheet 1 for limitations.

4. WIND LOADS RESISTANCE:

CWS 6" Decorative Exterior Soffit Systems has been verified to sustain wind pressures. Maximum spacing between furring shall be as indicated on sheet 14, schedule # 2 of Product Evaluation Document (P.E.D.), drawing No. 24-016 Maximum Anchor Spacing for connection of furring 7 to wood structure shall be 24" o.c.

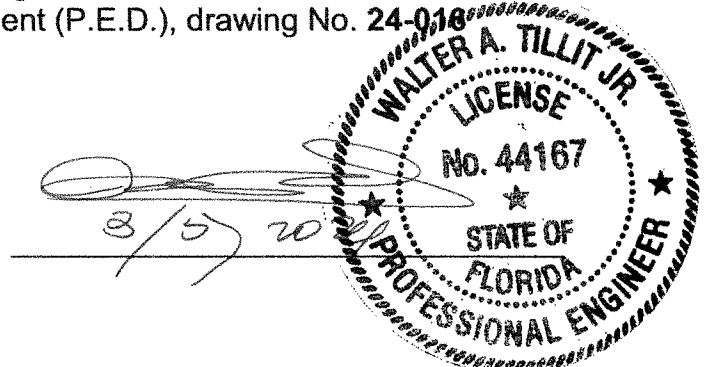
5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 4, 5, 8, 9, 12 & 13 of Product Evaluation Document (P.E.D.), drawing No.24-016.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 2, 3, 6, 7, 10 & 11 of Product Evaluation Document (P.E.D.), drawing No 24-016

Anchor specifications for furring 7 anchorage shall be as indicated on Schedule # 1, sheet 14, of Product Evaluation Document (P.E.D.), drawing No. 24-016



7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 thru 10, indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **24-016** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

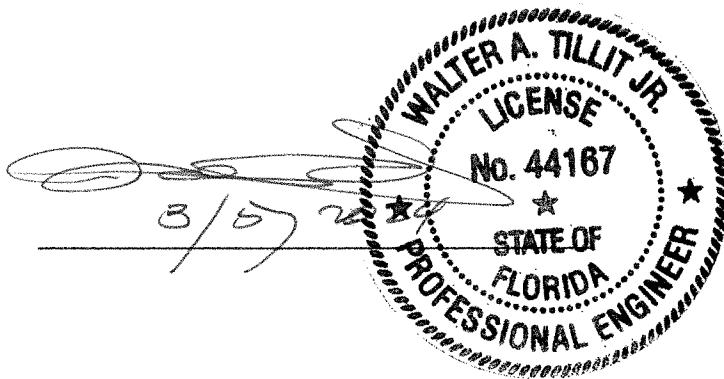
7.2. Product may be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code and out of it.

7.3. Product shall only be installed into wood structures with limitations indicated on General Note 5, sheet 1 of Product Evaluation Document (P.E.D.), drawing No.**24-016**

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

7.5 Product to be installed including limitations per General Note10, sheet 1 of Product Evaluation Report, drawing No. **24-016**.

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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