

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

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PRODUCT EVALUATION REPORT

REPORT No.: 23-0825.03

DATE: August 25, 2023

PRODUCT CATEGORY: Skylight

PRODUCT SUB-CATEGORY: Skylight

PRODUCT NAME: POLYCARBONATE DOME SKYLIGHT

MANUFACTURER: SKYLIGHT CONCEPTS, INC
2743 N.W. 30th Avenue
Lauderdale Lake, FL 33311

1. PURPOSE OF EVALUATION:

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

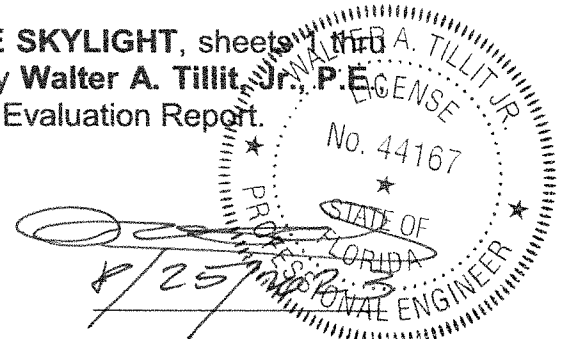
This product is being issued an Evaluation Report as described herein and has been verified for compliance in accordance with the 2023 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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.23-192., titled **POLYCARBONATE DOME SKYLIGHT**, sheets 1 thru 8 of 8 prepared by **Tilteco, Inc.**; signed and sealed by **Walter A. Tillit Jr., P.E.** dated **8/25/2023** This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Uniform Static Load, as per TAS 202 per sections 1625 and 1609. of the Florida Building Code.

Test report prepared by American Test Lab of South Florida, Report No 0526.01-23, signed and sealed by Stephen W. Walter, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "POLYCARBONATE DOME SKYLIGHT" for Maximum Pressure Rating vs. Maximum Span, and Maximum Size and anchor spacing, based on rational and comparative analysis, in accordance with Sections 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 3/28/2023, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

No Large Missile Impact resistance is provided. See Limitations on Item 7 below.

4. WIND LOADS RESISTANCE:

"POLYCARBONATE DOME SKYLIGHT" has been verified to sustain wind pressures. Maximum Panel Dimensions & Span shall be as indicated on sheets 2, 3 and 4 of Product Evaluation Document (P.E.D.), Drawing No. **23-192**.

5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes # 1 thru 15, indicated on sheet 1, and details indicated on sheets 3 thru 5, of Product Evaluation Document (P.E.D.), drawing No. **23-192**.

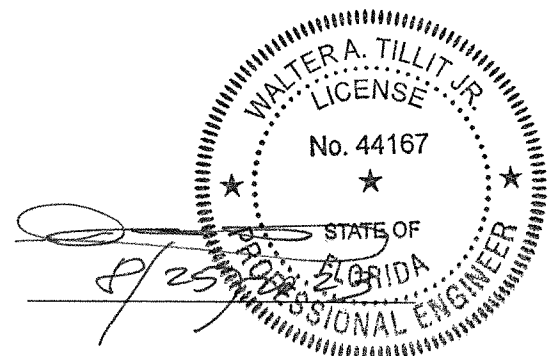
6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

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 **23-192**

Anchor specifications shall be as indicated on Sheets 2, and 6 of Product Evaluation Document (P.E.D.), Drawing No. **23-192**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 2, 3 and 13 indicated on sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-192**



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, with limitations as per Note 7.4 below.

7.3. Product may be installed attached to poured concrete, wood, aluminum or steel framing, as detailed on sheets 3, 4, and 5 of P.E.D. drawing # **23-192**.

7.4 Product Installation is limited to Open structures, where impact resistance and Water infiltration requirements are not enforced. See General Note # 2, sheet 1 of Installation drawings.

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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