# Engineering Express®
# Product Evaluation Report

June 14th, 2021

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| Application Number: | FL 39163.1 -R0 |
| EX Project Number: | 21-40981 |
| Product Manufacturer: | Kennedy Skylights, LLC |
| Manufacturer Address: | 5294 Tower Way<br>Sanford, FL 32773 |
| Product Name & Description: | Model "SFG" Curb Mounted Self-Flashing Glass Skylight. |

## *Scope of Evaluation:*

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1 (d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with standard ASCE 7-16 (ASD) and Florida Building Code Seventh Edition (2020) and is, for the purpose intended, at least equivalent to that required by the Standard and Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

## *Substantiating Data:*

- **PRODUCT EVALUATION DOCUMENTS**

EX Installation Drawing #21-40981 titled “Model "SFG" Curb Mounted Self-Flashing Glass Skylight Impact Rated for Wind Zone 4, Missile Level D & Non-Impact Rated (Non-HVHZ) prepared by Engineering Express, Inc., signed & sealed by Frank Bennardo, P.E. is an integral part of this Evaluation Report, pages 1 through 9.

- **TEST REPORTS**

1-Uniform static structural performance has been tested in accordance with AAMA/WDMA 1600-00/I.S.2-2000 test standards per test report(s) prepared by National Certified Testing Laboratories report #’s: NCTL-210-3012.1 signed and sealed by Gerald J. Ferrara, P.E.

2-Uniform static structural performance, Air, Water, large missile impact resistance and cyclic load performance have been tested in accordance with ASTM E283-91, ASTME330-90, ASTM E331-93, ASTM E1886-99 & ASTM E1996-99 test standards per test report(s) prepared by National Certified Testing Laboratories report #’s: NCTL-210-2959.1 signed and sealed by Gerald J. Ferrara, P.E.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

- 1. Glass type and capacity
- 2. Maximum Allowable Size/Pressure Combinations
- 3. Anchor requirements

No 33% increase in allowable stress has been used in the design of this product.

## *Impact Resistance*

Impact resistance per Wind Zone 4 requirements has been demonstrated as evidenced in previously listed test reports and are accounted for in the engineering design of this product.

## *Wind Load Resistance*

This product has been designed to resist wind loads as indicated on its respective Product Evaluation Document (i.e. engineering document).

## *Installation*

The product listed above shall be installed in strict compliance with the Product Evaluation Document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering document).

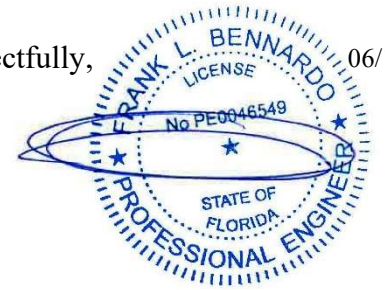
## *Limitations & Conditions of Use*

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Product Evaluation Document will invalidate it. This product has been designed for use **outside** of the High Velocity Hurricane Zone only.

Respectfully, 06/14/2021




Frank Bennardo, PE
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