

ENGINEERING EXPRESS® (EX) PRODUCT EVALUATION REPORT

October 10, 2024

Application Number: FL 39163.1
EX Project Number: 24-78918

Product Manufacturer: Kennedy Skylights, LLC
Manufacturer Address: 5294 Tower Way
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 7-22 (ASD) and the Florida Building Code Eighth Edition (2023) 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 Performance Evaluation document # 24-78918 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.

- **TEST REPORTS (IF APPLICABLE)**

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, ASTM E330-90, 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 (per FBC 8th Ed. 2023 Section 104.11.1):

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.

Kennedy Skylights, LLC- Model "SFG" Curb Mounted Self-Flashing Glass Skylight

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 Performance Evaluation document (i.e. engineering document).

Installation:

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

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

Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Performance 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 Performance Evaluation document will invalidate it. This product has been designed for use outside of the High Velocity Hurricane Zone (NON-HVHZ).

Respectfully,

Frank Bennardo, P.E.
ENGINEERING EXPRESS®
#PE0046549 | Cert. Auth. 9885