

Product Evaluation Report

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<u>Manufacturer</u>	<u>Product Series, Model and/or Description</u>
Kennedy Skylights 5294 Tower Way Sanford, FL 32773	Curb Mounted Glass Skylights Non-Impact and Impact

Code: Current Edition of the Florida Building Code including the 7th Edition (2020) Florida Building Code

Compliance Methods: Product Approval Rule 61G20-3.005(1)(a) – Certification Mark or Listing

Product Installation Instructions:

- KENN0001, Rev. B, dated 12/6/17, signed and sealed by Robert J. Amoruso, Kennedy Skylights "ICMG" Curb Mounted Glass Skylight – LMI – HVHZ, Installation Anchorage Details
- KENN0003, Rev. C, dated 12/14/19, signed and sealed by Robert J. Amoruso, Kennedy Skylights "CMG" Curb Mounted Glass Skylight - NI, Installation Anchorage Details
- KENN0005, Rev. C, dated 12/14/19, signed and sealed by Robert J. Amoruso, Kennedy Skylights "SFG4" Curb Mounted Self Flashing Glass Skylight - NI, Installation Anchorage Details

Engineering Analysis & Product Evaluation: The following engineering and/or rational analysis/calculations have been performed.

- Anchorage and product verification have been substantiated by calculation (PTC Report. No. 2058-1 and 2058-2) prepared, signed and sealed by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.
- Design Pressure Evaluation/Product Evaluation
 - Drawing No. KENN0001
 - Product Name/Series: "ICMG" Curb Mounted Glass Skylight – LMI
 - High Velocity Hurricane Zone (HVHZ): YES
 - Outside High Velocity Hurricane Zone (HVHZ): YES
 - Impact Resistant: YES
 - Glazed laminated product using Kuraray Trosifol PVB Glass Interlayer by Kuraray America, Inc. Current Kuraray America NOA can be found [here](#).
 - National Certified Test Laboratory, Inc. Test Report No. NCTL-210-3041-1,2
 - Design Pressure
 - +/-60 psf
 - Margin of Safety = 2 applied for positive and negative loading to Structural Design Pressure per Sections 1504 and 1523 of the current edition of the FBC and MD FAQ (<http://www.miamidade.gov/building/products/skylights.asp>).
 - Performance and Testing Standards
 - Test Report No. NCTL-210-3041-1,2
 - TAS202-94
 - TAS201-94
 - TAS203-94
 - Drawing No. KENN0003
 - Product Name/Series: "CMG" Curb Mounted Glass Skylight - NI
 - High Velocity Hurricane Zone (HVHZ): NO
 - Outside High Velocity Hurricane Zone (HVHZ): YES
 - Impact Resistant: NO
 - National Certified Test Laboratory, Inc. Test Report No. NCTL-210-3041-3A
 - Design Pressure



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- +/-95 psf outside HVHZ
- Margin of Safety = 2 applied to Structural Design Pressure per Sections 1504 of the current edition of the FBC.
- Performance and Testing Standards
 - Test Report No. NCTL-210-3041-3A
 - AAMA/WDMA 1600/I.S.7-00, Voluntary Specification for Skylights
- Drawing No. KENN0005
 - Product Name/Series: "SFG4" Curb Mounted Self Flashing Glass Skylight - NI
 - High Velocity Hurricane Zone (HVHZ): NO
 - Outside High Velocity Hurricane Zone (HVHZ): YES
 - Impact Resistant: NO
 - National Certified Test Laboratory, Inc. Test Report No. NCTL-210-3012-1
 - Design Pressure
 - +/-60 psf
 - Margin of Safety = 2 applied to Structural Design Pressure per Section 1504 of the current edition of the FBC.
 - Performance and Testing Standards
 - Test Report No. NCTL-210-3012-1
 - AAMA/WDMA 1600/I.S.7-00, Voluntary Specification for Skylights
- Condensation Channel (Item No. 3 on KENN0003 and Item No. 8 on KENN0005) manufacturer has been changed to Omega Plastics. The condensation channel is a non-structural component that collects condensation on the skylight. It is an internal component offering no structural significance. Dimensionally and materially, the condensation channel remains consistent with the original component used in testing and is therefore acceptable.

Performance Testing Standards:

- TAS 201-94 - Impact Test Procedures
- TAS 202-94 - Criteria for Testing Impact; Non-impact Resistant Building Envelope Components Using Uniform Static Air Pressure
- TAS 203-94 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading
- AAMA/WDMA 1600/I.S.7-00, Voluntary Specification for Skylights

Product Testing:

- NCTL-210-3041-1,2, dated 10/5/04, signed and sealed by Gerald J. Ferrara, P.E., testing to TAS 201/202/203-94 for "ICMG" Curb Mounted Glass Skylight
- NCTL-210-3041-3A, dated 10/5/04, signed and sealed by Gerald J. Ferrara, P.E., testing to AAMA/WDMA 1600-00/I.S.7-2000 for "CMG" Curb Mounted Glass Skylight
- NCTL-210-3012-1, dated 4/12/04, signed and sealed by Gerald J. Ferrara, P.E., testing to AAMA/WDMA 1600-00/I.S.7-2000 for "SFG4" Curb Mounted Self Flashing Glass Skylight

Material Certifications/Component Approvals:

- Laminated Glass Interlayer: See current Miami-Dade Notice of Acceptance (NOA) for component approval for Kuraray Trosifol PVB Glass Interlayer by Kuraray America, Inc. used in this product. Kuraray America NOA can be found [here](#).

Limitations & Conditions of Use:

- "ICMG" Curb Mounted Glass Skylight shown on KENN0001
 - This product has been evaluated for use inside the HVHZ (High Velocity Hurricane Zone)
 - This product is Impact Resistance. Therefore, a protective impact-rated device is not required.



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- "CMG" Curb Mounted Glass Skylight shown on KENN0003
 - This product has not been evaluated for use inside the HVHZ (High Velocity Hurricane Zone)
 - This product is not Impact Resistance. Therefore, a protective impact-rated device is required when used in a wind-borne debris region.
- "SFG4" Curb Mounted Self Flashing Glass Skylight shown on KENN0005
 - This product has not been evaluated for use inside the HVHZ (High Velocity Hurricane Zone)
 - This product is not Impact Resistance. Therefore, a protective impact-rated device is required when used in a wind-borne debris region.
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to the structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report. PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.

Evaluated by:
Robert J. Amoruso, P.E.
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