

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2556-PER, Rev. 3 | Project No. 423-0407 | 7/6/23 | Page 1 of 3

Product Manufacturer

Sierra Pacific Windows
11605 Reading Road, PO Box 8489
Red Bluff, CA 96080

Product Name, Model and/or Description

Feelsafe H3 2.0 Direct Set 43" X 53" (Single/Multi-Wide)
Feelsafe H3 2.0 Direct Set 45" X 84" (Single/Multi-Wide)
Feelsafe H3 2.0 Direct Set 43" X 120" (Single/Multi-Wide)
Feelsafe H3 2.0 Direct Set 64" X 105" (Single/Multi-Wide)
Feelsafe H3 2.0 Direct Set 143" X 72" (Common Mull)

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

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

Product Name, Model and/or Designation; Test Report No.; and Installation Drawing No.:

- Feelsafe H3 2.0 Direct Set 43" X 53" (Single/Multi-Wide) – Non-HVHZ
 - Element Materials Technology Report No.ESP027119P-2238.1, dated 01/19/18, Feelsafe H3 2.0 Direct Sets (Units #1 & #2), 43x53 in, AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-13a and ASTM E1996-14a.
 - PTC Product Design Group Drawing No. SPW-PTC0002, Rev. B, dated 10/6/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752
- Feelsafe H3 2.0 Direct Set 45" X 84" (Single/Multi-Wide) – Non-HVHZ
 - Element Materials Technology Report No.ESP027119P-2238.2, dated 01/17/18, Feelsafe H3 2.0 Direct Sets (Units #3 & #4), 45x84 in, AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-13a and ASTM E1996-14a.
 - PTC Product Design Group Drawing No. SPW-PTC0003, Rev. B, dated 10/6/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752
- Feelsafe H3 2.0 Direct Set 43" X 120" (Single/Multi-Wide) – Non-HVHZ
 - Element Materials Technology Report No.ESP027119P-2238.3, dated 01/17/18, Feelsafe H3 2.0 Direct Sets (Units #5 & #6), 43x120, AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-13a and ASTM E1996-14a.
 - PTC Product Design Group Drawing No. SPW-PTC0004, Rev. B, dated 10/6/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752
- Feelsafe H3 2.0 Direct Set 64" X 105" (Single/Multi-Wide) – Non-HVHZ
 - Element Materials Technology Report No.ESP027119P-2238.5, dated 01/17/18, Feelsafe H3 2.0 Direct Sets (Units #10 & #11), 64x105, AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-13a and ASTM E1996-14a.
 - PTC Product Design Group Drawing No. SPW-PTC0005, Rev. B, dated 10/6/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752
- Feelsafe H3 2.0 Direct Set 143" X 72" (Common Mull) – Non-HVHZ
 - Element Materials Technology Report No.ESP027119P-2238.4, dated 01/17/18, Feelsafe H3 2.0 Direct Sets (Units #7, #8 & #9), 143x72, AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-13a and ASTM E1996-14a.
 - PTC Product Design Group Drawing No. SPW-PTC0006, Rev. B, dated 10/6/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752



PTC Product Design Group, LLC | PO Box 520775 | Longwood, FL 32752-0775
321-690-1788 | FBPE Certification of Authorization No. 25935

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Equivalency Testing & Evaluation, Engineering Analysis & Evaluation:

- PTC Report No. 2556-Calc, Rev. 0, Sierra Pacific Windows, Feelsafe H3 2.0 Direct Set (Single/Multi-Wide & Common Mull) Anchorage Engineering, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752 in accordance with the current edition of the Florida Building Code.
- PTC Report No. 2557-Calc, Rev. 1, Sierra Pacific Windows, Feelsafe H3 2.0 Direct Set (Single/Multi-Wide & Common Mull) Mullion Comparative Analysis Engineering, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752 in accordance with the current edition of the Florida Building Code.
- PTC Report No. 2582-Calc, Rev. 0, Sierra Pacific Windows, Feelsafe H3 2.0 Direct Set, Mullion Comparative Analysis Engineering, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752.
 - The Comparative Analysis results depicted in SPW-PTC0002, SPW-PTC0003, SPW-PTC0004, SPW-PTC0005 AND SPW-PTC0006 are based on Section 1709 and Section R609 of the Current Edition Florida Building Code and the Current Edition Florida Residential Code, respectively.
 - Comparative Analysis results are in conformance with AAMA/WDMA/CSA 101/I.S.2/A440-11, WDMA I.S. 11-18 and AAMA 2502-19.

Performance Testing:

- Performance Standards used in testing, NON-HVHZ locations:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - ASTM E1886-13a
 - ASTM E1996-14a

Component Certification and Code Conformance:

- Laminated Glazing Interlayer
 - Kuraray America Inc. SentryGlas interlayer code conformance per the current issued Miami-Dade Notice of Acceptance. Kuraray America MD NOAs can be found [here](#).
 - Kuraray America Inc. Trosifol PVB interlayer code conformance per the current issued Miami-Dade Notice of Acceptance. Kuraray America MD NOAs can be found [here](#).

Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product has been tested with impact resistant glazing. This product is impact resistant up to and including Wind Zone 3 for Missile Level D.
 - The LAMI-IGU glazed product has been tested for impact resistance and can be used in wind borne debris regions without additional impact protective devices.
- 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 substrate 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.



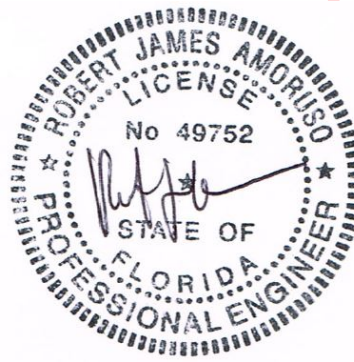
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Certificate of Independence per Product Approval Rule 61G20-3.009

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.



Digitally signed
by Robert J
Amoruso
Date:
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

