

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2557-PER, Rev. 2 | Project No. 423-0407 | 7/6/23 | Page 1 of 2

Product Manufacturer

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

Product Name, Model and/or Description

H3 2.0 Feelsafe Window Mullion System

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)(d) – Product Evaluation Report by a License Professional Engineer.

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- H3 2.0 Feelsafe Window Mullion System

Installation Drawings: Installation drawing listed below signed and sealed by Robert J. Amoruso, P.E.

- PTC Product Design Group, LLC Load Capacity & Installation Drawing No. SPW-PTC0001, Original Issue, dated 4/8/18, H3 2.0 Feelsafe Window Mullion System, signed and sealed by Robert J. Amoruso, FL P.E. 49752.

Engineering Analysis & Evaluation:

- PTC Calc No. 2557-1, Rev. 1, Evaluation for H3 2.0 Feelsafe Window Mullion System Load Width vs. Mullion Span, dated 1/22/19, 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 Calc No. 2557-2, Rev. 1, Evaluation for H3 2.0 Feelsafe Window Mullion System Installation Anchorage, dated 1/22/19, 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. 2557-3, Rev. 1, H3 2.0 Feelsafe Window Mullion System Evaluation to AAMA 450-10, dated 1/22/19, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752 in accordance with the current edition of the Florida Building Code.

Performance Testing and Test Reports:

- Element Materials Technology, 115 S 84th Avenue, Wausau, WI 54401-8434, Test Report No. ESP027119P-2238.1 Sierra Pacific Feelsafe H3 2.0 Direct Sets Units 1 and 2, dated January 19, 2018.
- Element Materials Technology, 115 S 84th Avenue, Wausau, WI 54401-8434, Test Report No. ESP027119P-2238.2 Sierra Pacific Feelsafe H3 2.0 Direct Sets Units 3 and 4, dated January 17, 2018.
- Element Materials Technology, 115 S 84th Avenue, Wausau, WI 54401-8434, Test Report No. ESP027119P-2238.3 Sierra Pacific Feelsafe H3 2.0 Direct Sets Units 5 and 6, dated January 17, 2018.
- Element Materials Technology, 115 S 84th Avenue, Wausau, WI 54401-8434, Test Report No. ESP027119P-2238.4 Sierra Pacific Feelsafe H3 2.0 Direct Sets Units 7, 8 and 9, dated January 17, 2018.
- Element Materials Technology, 115 S 84th Avenue, Wausau, WI 54401-8434, Test Report No. ESP027119P-2238.5 Sierra Pacific Feelsafe H3 2.0 Direct Sets Units 10 and 11, dated January 17, 2018.

Performance Testing Standards:

- AAMA/WDMA/CSA 101/I.S.2/A440-08/11
- ASTM E1886-05/13a
- ASTM E1996-09/12a/14a



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Rule 61G20-3 F.A.C. | Report No. 2557-PER, Rev. 2 | Project No. 423-0407 | 7/6/23 | Page 2 of 2

Limitations & Conditions of Use:

- This product is design and tested for use with Sierra Pacific's H3 2.0 Feelsafe Impact Windows.
- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product is impact resistant up to and including Wind Zone 3 for Missile Level D. An impact protective device is not required when used in a wind-borne debris region unless the mulled windows are not impact resistance.
- 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.

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:
2023.08.07
12:18:45 -04'00'

Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

