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PRODUCT EVALUATION

SERIES 600 FIXED WINDOW – NON IMPACT

REPORT
S8002.01-122-34-R0
SERIES 600 FIXED WINDOW – NON IMPACT

RENDERED TO:
WIN-VENT ALUMINUM ARCHITECTURAL WINDOWS
2401 SOUTH MAIN STREET
FORT SCOOT, KS 66701

PREPARED BY:
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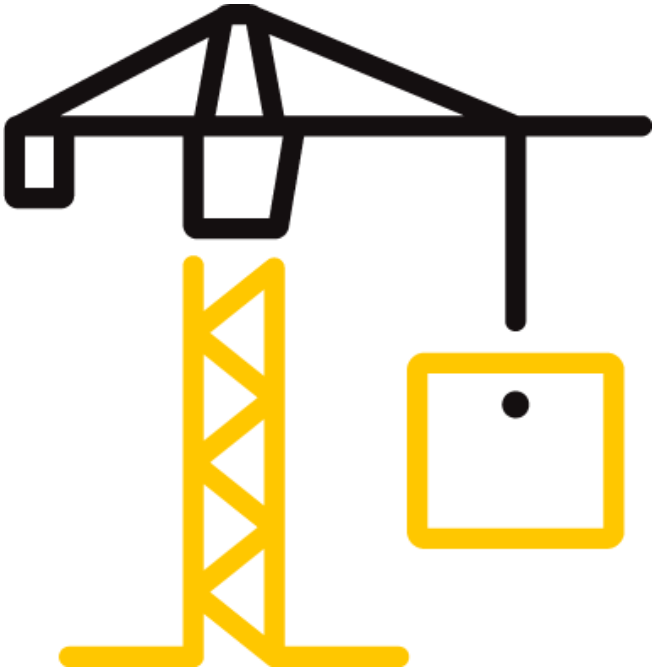

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09/17/25

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PAGES
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9/18/2025 8:31 AM

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1 SCOPE

Product Evaluation per Chapter 61G20-3.005(1)(d) Florida Administrative Code, Evaluation report from a Florida Registered Architect or a Licensed Florida Professional Engineer.

2 BUILDING CODE COMPLIANCE AND PERFORMANCE STANDARDS

This product has demonstrated compliance with the Florida Building Code, Building, 8th Edition (2023):

- 1709.5 Exterior window and door assemblies
- 2404 Wind, Snow, Seismic and Dead Loads on Glass

Performance Standards

- AAMA/WDMA/CSA 101/I.S.2/A440-17
- ASTM E1300-16

3 PRODUCT DESCRIPTION

Window Frame 6063-T5 Aluminum
Extruded aluminum with poured and de-bridged thermal break.
Mitered corners secured with comer keys, epoxy weld and crimp.

Glazing Insulating Glass:
The exterior is 1/4" thick fully tempered glass.
Aluminum spacer.
The interior is of 1/4" thick fully tempered glass.
Interior glazed to butyl tape; wedge gasket and snap-in aluminum glazing bead applied at the interior

Validate glazing with ASTM E1300

Hardware N/A

Anchorage Per Installation section

For additional product information see Appendix A and attached product drawings.

4 REFERENCE DRAWINGS

- 600 Series Fixed Non-Impact 2023 FBC, 07-18-2025

5 INSTALLATION

Installation Instructions

Substrate	Instructions
Wood	Minimum Spruce-Pine-Fir 2x (G = 0.42) #10 Wood screw (box trim install) (Shall conform to ANSI/ASME B18.6.1 and be corrosion resistant)
Steel Stud	Minimum 18 gauge (0.043" thick) 33 KSI steel stud #10-16 TEKS screw (box trim install) (see ICC ESR 1976)
Concrete Masonry	ASTM C90, minimum f'_m = 1,500 psi 3/16" (box trim install) ITW Buildex, Tapcon® Concrete and Masonry Anchors with Advanced Threadform Technology™ (see NOA 24-0102.06)
Concrete	Minimum f'_c = 3,000 psi 3/16" (box trim install) ITW Buildex, Tapcon® Concrete and Masonry Anchors with Advanced Threadform Technology™ (see NOA 24-0102.06)

Products have not been tested for windborne debris resistance and shall require protective devices (i.e. shutters) if installed in a windborne debris region.

Products are not approved for use in High Velocity Hurricane Zone (HVHZ)

Limitations of Use:

Product	Maximum Design Pressures	Maximum Overall Size	Maximum Glazing Size
Series 600 Fixed Window (Insulating Glass)	+/- 100 psf	60" x 99"	57-1/8" x 97-1/8"

Products have been tested for windborne debris resistance (Missile D, Wind Zone 4) and are approved for use in windborne debris regions without the use of protective devices (i.e. shutters).

Products are not approved for use in High Velocity Hurricane Zone (HVHZ).

6 SUPPORTING EVIDENCE

Test Report QCT10-1954.01 (AAMA/WDMA/CSA 101/I.S.2/A440-08) Revision -, 11/11/2010
Quast Consulting & Testing, Inc. Mosinee, WI (TST8039)

Test Report QCT14-12675 (ASTM E1996-05, ASTM E1886-05, AAMA 506-06)
Revision -, 12/30/2014
Quast Consulting & Testing, Inc. Mosinee, WI (TST8039)

Test Report 97434.01-801-18 (ASTM E1996-05, ASTM E1886-05)
Revision 1, 09/15/2014
Architectural Testing, Inc. Plano, TX (TST1910)

Calculation Report S8002.01-122-34-R0, 09/12/2025
Tanya A. Dolby, PE (FL PE 93536)

7 EQUIVALENCE OF STANDARDS

Testing documented in QCT14-12675 was conducted to AAMA 506-06.
A comparison of this version of the standard and the current version referenced by the *Florida Building Code, Building, 8th Edition (2023)*, AAMA 506-16, confirms the standards are technically equivalent with respect to the testing documented in the referenced test report.

8 CERTIFICATION OF INDEPENDENCE

In accordance with Rule 61G20-3 Florida Administrative Code,
Intertek/Architectural Testing Inc. hereby certifies the following:

1. Intertek/Architectural Testing Inc. does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested or labeled by the agency.
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4. Tanya A. Dolby, P.E does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

9 DETAILED PRODUCT DESCRIPTION

Finish: Milled Aluminum

Glazing Details: Interior glazed against a butyl tape at the exterior. A silicone-based sealant was applied at the exterior. Wedge gasket was located at the interior perimeter of the glazing. A snap-in aluminum glazing bead was located at the interior and secured against the glass. Glazing bite was 1/2".

Weatherstripping: No weatherstripping utilized

Frame Construction: All frame members were formed from thermally improved aluminum extrusions (poured and debridged). Frame comers were mitered, sealed, and secured together with an aluminum crimped comer key measuring 2-1/2" x 1" x 1/4". Interior/exterior of frame corners had sealant compound applied. Sealant was also applied over exterior crimp locations.

Hardware: No hardware was utilized

Drainage: No drainage was utilized **Reinforcement**: No reinforcement was utilized

10 REVISION LOG

DATE	PAGES	SUMMARY
09/17/25	All	Original