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PRODUCT EVALUATION

SERIES 600 CASEMENT WINDOW – NON IMPACT

REPORT
S8002.01-122-34-R0
SERIES 600 CASEMENT WINDOW – NON IMPACT – R1

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

PREPARED BY:
TANYA A. DOLBY, P.E.
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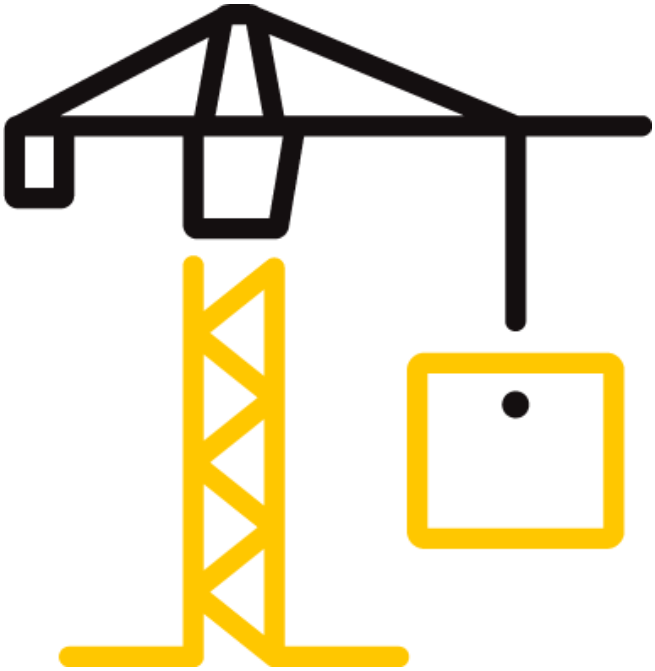

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8

Digitally Signed by: Tanya Dolby

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Diocel Almacen
Project Engineer

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TABLE OF CONTENTS

TABLE OF CONTENTS 2
1 SCOPE 3
2 BUILDING CODE COMPLIANCE AND PERFORMANCE STANDARDS 3
3 PRODUCT DESCRIPTION 3
4 REFERENCE DRAWINGS 4
5 INSTALLATION 4
6 SUPPORTING EVIDENCE 5
7 EQUIVALENCE OF STANDARDS 5
8 CERTIFICATION OF INDEPENDENCE 6
9 DETAILED PRODUCT DESCRIPTION 7
10 REVISION LOG 8

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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 Instruction drawings

4 REFERENCE DRAWINGS

- 600 Series Casement 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 Casement Window (Insulating Glass)	+/- 70 psf	72" x 60" (Fixed beside Vent)	33-13/16" x 57-1/8"

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).

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: 0.147" x 0.210" vinyl bulb gasket. Two rows; one row at interior perimeter of sash and one row at exterior perimeter of sash.

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 comers had sealant compound applied. Sealant was also applied over exterior crimp locations. The vertical integral mullion was secured at each end with two #10 x 1-1/2" screws. Screw heads were sealed with sealant.

Sash Construction: All sash members were formed from thermally improved aluminum extrusions (poured and debridged). Sash comers were mitered, sealed, and secured together with an aluminum crimped comer key. Interior/exterior of sash comers had sealant compound applied. Sealant was also applied over exterior crimp locations.

Hardware: 4-Bar hinge; one at top rail and one at bottom rail Cam locks with keepers; (3) at lock stile

Drainage: 1-1/4" x 1/8" weep notch on sash leg at bottom rail; each end (two total).
1-1/4" x 1/8" weep notch on frame at sill; each end (two total).

Reinforcement: No reinforcement was utilized

10 REVISION LOG

DATE	PAGES	SUMMARY
09/12/25	All	Original
12/12/25	1, 5	Name Corrections