

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: RT4 SERIES CURTAINWALL SYSTEM
(LEVEL E AND D) LARGE AND SMALL MISSILE, CAPTURED & SSG

MANUFACTURER: PHYSICAL SECURITY, LLC
600 BELVIEW STREET
BESSEMER, AL 35020

To all concerned,

The Physical Security RT4 Series Curtainwall System is a structurally glazed or captured curtainwall system designed for (Level E and D) large and small missile impact resistance. The system has been tested per Florida Building Code protocols TAS 201, TAS 202, and TAS 203 and per AAMA 501-05 by Blackwater Testing, Inc. (West Palm Beach, FL), with results shown in test reports BT-PSS-18-002A, BT-PSS-18-002B, BT-PSS-19-003, BT-PSS-20-002, BT-PSS-20-003, BT-PSS-22-001, and BT-PSS-24-004. I have reviewed the testing listed and find that it is equivalent to AAMA 501-15 for this product.

Technical Documentation:

1. Drawing "RT4-NOA", dated 6/26/26 (Rev. 9), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Blackwater Testing, Inc. signed and sealed by , Yamil G. Kuri, PE or Michael D Caldwell, PE.
3. Supplemental Calculations to support "RT4-NOA", signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 8th Edition (2023) Florida Building Code generally, and chapters 16, 20, and 24 specifically, for use inside and outside of the High Velocity Hurricane Zone.

Limitations: This system has been tested and approved for use inside and outside of the HVHZ. It is (Level E and D) large and small missile impact resistant, and shutters are not required in windborne debris regions.

Maximum Design Pressures:

Clerestory Elevation on RT4-NOA Sheet 4: +160/-220 psf.

Standard Elevations on RT4-NOA Sheets 2-3: Varies.

See Glass Charts on RT4-NOA Sheets 5-9,

Mullion Charts on RT4-NOA Sheets 10-11, and

Corner Mullion Charts on RT4-NOA Sheet 12.

The lowest pressure applies to the entire system,

Glass: Design pressures for glass are limited by testing listed above and ASTM E1300-16. Please see charts on sheets 5 (Captured), 6-9 (SSG with HP glazing details), 9 (SSG with SP glazing details), 4 (Clerestory) of drawing RT4-NOA for allowable sizes and design pressures.

Captured Glazing: (See Sheet 5 of RT4-NOA for glass make-up)
Type A: 9/16" Laminated with 0.090" Sentryglas* Interlayer (Level D LMI and SMI)
Type B: 9/16" Laminated with 0.060" PVB++ Interlayer (SMI only)

Structural Silicone Glazed -- HP Details: (See Sheets 6-9 of RT4-NOA for glass make-up)
Type A: 9/16" Laminated with 0.090" Sentryglas* Interlayer (Level D LMI and SMI)
Type B: 9/16" Laminated with 0.060" PVB++ Interlayer (SMI only)
Type C: 1 7/16" Insulated Laminated with 0.075" Storm^^ Interlayer (Level D LMI and SMI)
Type D: 1 7/16" Insulated Laminated w/0.090" Sentryglas* Interlayer (Level D LMI & SMI)
Type E: 1 7/16" Insulated Laminated w/0.180" Sentryglas* Interlayer (Level E LMI & SMI)
Type F: 1 5/16" Insulated Laminated with 0.090" PVB++ Interlayer (Level D LMI and SMI)

Structural Silicone Glazed – SP Details: (See Sheet 9 of RT4-NOA for glass make-up)
Type A: 9/16" Laminated with 0.090" Sentryglas* Interlayer (LMI and SMI)

Structural Silicone Glazed – Clerestory Details: (See Sheet 4 of RT4-NOA for glass make-up)
Type G: 1 5/16" Insulated Laminated w/0.090" PVB++ Interlayer (SMI only)

- * The Sentryglas Interlayer is manufactured by Kuraray America Inc, per NOA# 23-0717.30.
- ++ The Saflex PVB Interlayer is manufactured by Eastman Chemical Company, per NOA# 23-0713.18.
- ^^ The Saflex Storm Interlayer is manufactured by Eastman Chemical Company, per NOA# 25-0904.04.

Metal Panels: Please see the charts and details on Sheet 8 of RT4-NOA for the allowable sizes, design pressures, and make-up of metal panel MP-1.

Mullions and Reinforcing: Please see the charts on Sheet 10 (Multi-Span Mullions), Sheet 11 (Single Span Mullions), and Sheet 12 (Corner Mullions) of RT4-NOA for allowable mullion lengths and pressures for the different combinations of mullions and reinforcing. Clerestory Mullions are limited to the sizes and pressures shown on Sheet 4

Mullions must be extruded from aluminum alloys listed on Sheet 28 of drawing RT4-NOA.

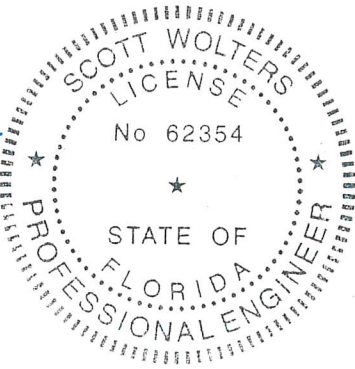
Anchors:

Please see the Anchor Tables on Sheets 21-24 of RT4-NOA and the corresponding details for the allowable anchors at the head/sill. The mid-span anchors are limited per the details and notes on Sheets 25-26.

If you have any questions or need more information concerning this approval please contact me.

Thank you,


Scott Wolters
FL PE# 62354
JUN 28 2026



Digitally signed
by Scott Wolters
Date: 2026.06.29
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