

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: PS RT3 SERIES CURTAINWALL SYSTEM
(LARGE & SMALL MISSILE, CAPTURED & SSG)

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

To all concerned,

The Physical Security RT3 Series Curtainwall System is a structurally glazed or captured curtainwall system designed for (level D & E) large and small missile impact resistance. The system has been tested per Florida Building Code protocols TAS 201/202/203, AAMA 501, ASTM E1886, and ASTM E1996 by Blackwater Testing, Inc. (West Palm Beach, FL), with results shown in test reports BT-PSS-15-001A, BT-PSS-15-001B, BT-PSS-15-001C, BT-PSS-15-001D, BT-PSS-15-001E, BT-PSS-16-001, BT-PSS-18-003, BT-PSS-19-005, BT-PSS-21-001, BT-PSS-23-001, BT-PSS-23-002, BT-PSS-23-003, BT-PSS-23-004, BT-PSS-24-002, BT-PSS-24-004, & BT-PSS-25-001, and by Intertek B&C with results shown in test report I2669-01-450-32. I have reviewed the testing listed and find that it is equivalent to AAMA 501-15 for this product.

Technical Documentation:

1. Drawing "RT3-IR" dated 9/6/26 (Rev. 15), 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 Caldwell, PE, and by Intertek B&C, signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support Drawing RT3-IR, 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, including the HVHZ provisions.

Limitations: This system has been tested and approved for (level D & E) large and small impact resistance for use inside and outside the HVHZ. Shutters are not required in windborne debris regions.

Maximum Design Pressures:

Varies. See Glass Charts and notes on RT3-IR Sheets 4-8
Single Span Mullion Charts on RT3-IR Sheets 9 & 11
Multi-Span Mullion Charts on RT3-IR Sheets 10 & 11
Corner Mullion Limitations on RT3-IR Sheets 33-34
And Anchor Limitations on RT3-IR Sheets 40-49
The lowest pressure applies to the entire system.

Glass: Design pressures for glass are limited by testing listed above, ASTM E1300-16, and silicone stress for SSG glazing. Please see the charts and notes on sheets 4-8 of RT3-IR for allowable sizes and design pressures.

Large Missile – Level E: (See Sheets 4, 6, & 8 of RT3-IR for glass make-up)

Glass Type GL1, GL8, & GL16: 1 5/16" Insulated Laminated with 0.180" Sentryglas* Interlayer
Glass Type GL2 & GL9: 1 5/16" Insulated Laminated with 0.150" Saflex Storm⁺⁺ Interlayer

Large Missile – Level D: (See Sheets 4-7 of RT3-IR for glass make-up)

Glass Type GL3 & GL10: 1 5/16" Insulated Laminated with 0.090" Sentryglas* Interlayer
Glass Type GL4 & GL11: 1 5/16" Insulated Laminated with 0.077" Saflex Storm⁺⁺ Interlayer
Glass Type GL5 & GL12: 1 5/16" Insulated Laminated with 0.090" Saflex PVB^{^^} Interlayer
Glass Type GL7 & GL15: 9/16" Laminated with 0.077" Saflex Storm⁺⁺ Interlayer

Small Missile: (See Sheets 4 & 6 of RT3-IR for glass make-up)

Glass Type GL6 & GL14: 1 5/16" Insulated Laminated with 0.060" Saflex PVB^{^^} Interlayer

* The Sentryglas Interlayer is manufactured by Kuraray America Inc, per NOA# 26-0625.06.

⁺⁺ The Saflex Storm Interlayer is manufactured by the Eastman Chemical Company, per NOA# 26-0625.16.

^{^^} The Saflex PVB Interlayer is manufactured by the Eastman Chemical Company, per NOA# 26-0625.17.

Metal Panels:

Large Missile – Level E: Metal Panel MP-1: Please see the notes and details on Sheet 5 of RT3-IR for the allowable sizes, design pressures, and make-up of panel MP-1.

Mullions and Reinforcing: Please see the charts on Sheets 9 & 11 (Single Spans), 10 & 11 (Multi-Spans), and 33-34 (Corner Mullions) of drawing RT3-IR for allowable mullion lengths and pressures for the different combinations of mullions and reinforcing.

Mullions must be extruded from aluminum alloys listed on Sheets 51 & 52 of drawing RT3-IR.

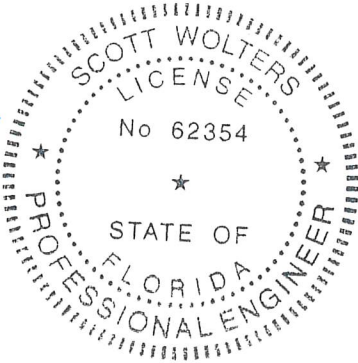
Anchors:

Please see the Anchor Tables on Sheets 40-45 of drawing RT3-IR and the corresponding details for the allowable anchors at the head and sill. The mid-span anchors are limited per the details and notes on Sheets 46-49.

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

Thank you,


Scott Wolters
FL PE# 62354
SEP 06 2026



Digitally signed
by Scott Wolters
Date: 2026.09.07
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