

# WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

15211 97<sup>th</sup> Road N  
West Palm Beach, FL 33412  
Ph/Fx: (561) 225-1982

## 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-24-002, 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 "RT3-IR" dated 5/2/25 (Rev. 12), 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.
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 8<sup>th</sup> 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 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 32-33  
And Anchor Limitations on RT3-IR Sheets 39-46  
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 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# 23-0717.30.
- ++ The Saflex Storm Interlayer is manufactured by the Eastman Chemical Company, per NOA# 23-0713.21.
- ^^ The Saflex PVB Interlayer is manufactured by the Eastman Chemical Company, per NOA# 23-0713.18.


Mullions and Reinforcing: Please see the charts on Sheets 9 & 11 (Single Spans), 10 & 11 (Multi-Spans), and 32-33 (Corner Mullions) of drawing RT3-IR for allowable mullion lengths and pressures for the different combinations of mullions and reinforcing.

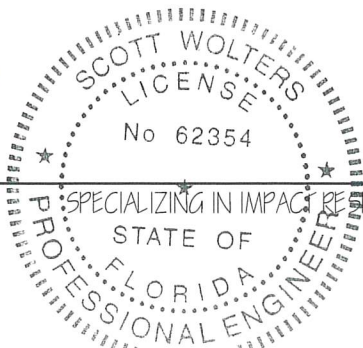
Mullions must be extruded from aluminum alloys listed on Sheets 48 & 49 Of drawing RT3-IR.

Anchors: Please see the Anchor Tables on Sheets 39-43 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 44-46.

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

Thank you,

  
Scott Wolters  
FL PE# 62354  
MAY 05 2025



SPECIALIZING IN IMPACT RESISTANT CURTAINWALLS, STOREFRONTS, & WINDOWS