MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway, Suite 301
Miramar, FL. 33027
Mobile: (305) 588-5224
Office: (305) 271-0117

PRODUCT APPROVAL EVALUATION REPORT

Product Manufacturer:	*Product Name/Model & Description:*
Sol-A-Trol Aluminum Products *4101 NW 132nd Street* *Miami, FL 33054*	***Series 5000 Aluminum Window Wall System (L.M.I. & S.M.I.)*** *Aluminum curtain wall system– large and small missile impact*

Scope: This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

Code: **8th Edition Florida Building Code (2023)**, inclusive of all Supplements effective as of this report date.

Compliance Method: 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

Product Description: Product Approval **Drawing #AD16-26** prepared by MCY Engineering, signed and sealed by Yiping Wang, P.E., is an integral part of this Evaluation Report.

Limitations & Conditions of Use:

- This product has been evaluated for use **inside and outside of the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **Large Missile Impact** (Large missile impact could qualify small missile impact)
- Refer to Product Approval Drawing noted above for:
  - Maximum allowable wind loads at related maximum allowable size(s).
  - Other load limitations applicable to the product, if any.
  - Overall dimensions and material/grade of main product components, accessories, etc.
  - Illustrated diagrams of the attachment of the product to the structure.
  - Anchor type(s), size(s), substrate(s), embedment, edge distance and spacing/locations.

YIPING WANG LICENSE No 55983 STATE OF FLORIDA PROFESSIONAL ENGINEER

November 23rd, 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway, Suite 301
Miramar, FL. 33027
Mobile: (305) 588-5224
Office: (305) 271-0117

Test Reports:

Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

Test Lab	Report Number	Test Report Date	Test Standard & Description
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5065, signed and sealed by Rafael E. Droz-Seda, PE, FL #39228*	07/08/16	TAS 202 (uniform static test) ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test) ASTM F588 (forced entry test)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5066, signed and sealed by Rafael Droz-Seda PE, FL #39228*	07/08/16	TAS 201 (large missile impact) TAS 203 (cyclic wind pressure loading) ASTM E1886 (cyclic wind pressure loading) ASTM E1996 (large missile impact)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-T322, signed and sealed by Rafael Droz-Seda PE, FL #39228*	07/29/16	ASTM E 8 (tensile test)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5095, signed and sealed by Rafael Droz-Seda PE, FL #39228*	10/19/16	TAS 201 (large missile impact) TAS 203 (cyclic wind pressure loading) ASTM E1886 (cyclic wind pressure loading) ASTM E1996 (large missile impact)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5096, signed and sealed by Rafael Droz-Seda PE, FL #39228*	10/19/16	ASTM F588 (forced entry test) ASTM E330 (static load test) ASTM E331 (water infiltration test) ASTM E283 (air infiltration test)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5097, signed and sealed by Rafael Droz-Seda PE, FL #39228*	09/30/16	TAS 201 (large missile impact) TAS 203 (cyclic wind pressure loading) ASTM E1886 (cyclic wind pressure loading) ASTM E1996 (large missile impact)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5093, signed and sealed by Rafael Droz-*	10/19/16	TAS 202 (uniform static test) ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test)

November 23rd, 2023

12781 Miramar Parkway, Suite 301
Miramar, FL. 33027
Mobile: (305) 588-5224
Office: (305) 271-0117

	Seda PE, FL #39228		
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5103, signed and sealed by Rafael Droz-Seda PE, FL #39228*	10/19/16	TAS 201 (large missile impact) TAS 203 (cyclic wind pressure loading) ASTM E1886 (cyclic wind pressure loading) ASTM E1996 (large missile impact)
Hurricane Engineering & Testing, Inc. – Doral, FL	*HETI-16-5104, signed and sealed by Rafael Droz-Seda PE, FL #39228*	10/19/16	TAS 201 (large missile impact) TAS 203 (cyclic wind pressure loading) ASTM E1886 (cyclic wind pressure loading) ASTM E1996 (large missile impact)
Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-19-8816 signed and sealed by Idalmis Ortega PE, FL#76905*	06/17/19	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading) ASTM E283 (Air Infiltration) ASTM E331 (Water Resistance Test)
Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-13029 signed and sealed by Idalmis Ortega PE, FL#76905*	11/29/2022	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading)
Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-12573 signed and sealed by Idalmis Ortega PE, FL#76905*	06/22/2021	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading) ASTM E283 (Air Infiltration) ASTM E331 (Water Resistance Test)
Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-12613 signed and sealed by Idalmis Ortega PE, FL#76905*	07/28/2021	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading) ASTM E283 (Air Infiltration) ASTM E331 (Water Resistance Test)
Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-12840 signed and sealed by Idalmis Ortega PE, FL#76905*	11/30/2021	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading)

LIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

November 23rd, 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway, Suite 301
Miramar, FL. 33027
Mobile: (305) 588-5224
Office: (305) 271-0117

Fenestration Testing Laboratory, Inc. – Medley, FL	*FTL-12902 signed and sealed by Idalmis Ortega PE, FL#76905*	01/24/2022	TAS 201 (Large Missile Impact) TAS 202 (Uniform Structural Load) TAS 203 (Cyclic Wind Pressure Loading)

Engineering Analysis: The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- No rational analysis has been performed.
- Anchor calculations are based on manufacturer's published anchor capacity, anchor Notice of Acceptance by Miami Dade County.

YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER

November 23rd, 2023