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:*
Global Performance Window Inc. d.b.a. Epsylon USA *2115 SW 2ND Street* *Pompano Beach, FL 33069*	***Series EUSA ST-30 Aluminum Sliding Glass Door*** *Aluminum sliding glass door – 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. Evaluation of this product shall be required following applicable Code modifications or revisions.

Code: 8th **Edition 2023 Florida Building Code**, 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 #AD15-70** 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/outside the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **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

February 24th, 2025

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Test Reports:

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

Test Lab	Report Number	Test Report Date	Test Standard & Description
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8346, signed and sealed by Idalmis Ortega, P.E.*	8/04/15	ASTM E331 (static pressure water resistance) TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8347, signed and sealed by Idalmis Ortega, P.E.*	8/04/15	TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8348, signed and sealed by Idalmis Ortega, P.E.*	8/04/15	ASTM E283 (air infiltration) TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8349, signed and sealed by Idalmis Ortega, P.E.*	8/18/15	ASTM E283 (air infiltration) ASTM E331 (static pressure water resistance) TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading) ASTM F842 (forced entry test)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8350, signed and sealed by Idalmis Ortega, P.E.*	8/18/15	ASTM E283 (air infiltration) ASTM E331 (static pressure water resistance) TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading) ASTM F842 (forced entry test)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8353, signed and sealed by Idalmis Ortega, P.E.*	8/18/15	TAS 201 (small missile impact test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Lab (FTL) – Medley, FL	*FTL-8354, signed and sealed by Idalmis Ortega, P.E.*	8/18/15	TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
Excel Polymers, LLC. Burton, OH	*61787*	7/25/07	ASTM C 864-05 (EPDM rubber, seal gaskets, setting blocks, and spacers, 60 duro)
Excel Polymers, LLC. Burton, OH	*74326*	4/26/11	ASTM C 864-05 (EPDM rubber, seal gaskets, setting blocks, and spacers, 70 duro)

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Fenestration Testing Lab (FTL) – Medley, FL	FTL- 12429 Signed and sealed by Idalmis Ortega, P.E.	02.16.2021	TAS 201 (small missile impact test) TAS 203 (cyclic wind pressure loading) ASTM E283 (air infiltration) ASTM E331 (static pressure water resistance)
QAI laboratories 8148 NW 74 AVENUE Medley, FL 33166	MED-2085A Signed and sealed by Idalmis Ortega, P.E.	12/26/2024	ASTM E283 (air infiltration) ASTM E331 (water resistance test) TAS 201 (small missile impact test) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading) ASTM F842 (forced entry test) ANSI Z97.1 (Drop test)

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.

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