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:
SHANGHAI YY WINDOWS CO., LTD. HAIYING ROAD, BINHAI INDUSTRIAL AREA QIDONG, NANTONG, JIANGSU 201300,China	Series YY100 aluminum casement window system – large 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 #AD24-17**, 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 (Small Missile Impact could be qualified by Large Missile Impact)**
- Refer to Product Approval Drawing noted above for:
  - Maximum allowable wind loads at the related maximum allowable size(s).
  - Other load limitations are 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

June 11, 2024

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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
Intertek Testing Service Shenzhen Ltd.	*230515009SHF-002, signed and sealed by Vinu J. Abraham, PE, FL #53280*	01/15/2024	TAS 201 (large missile impact) TAS 202 (uniform static test) TAS 202 (Air and Water Infiltration) TAS 203 (cyclic wind pressure loading) ASTM F588 (Forced Entry Resistance)

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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