MCY ENGINEERING, INC.
GLAZING CONSULTANT

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

# PRODUCT APPROVAL EVALUATION REPORT

| Product Manufacturer: | Product Name/Model & Description: |
|---|---|
| **Foshan Xiaoluban Doors & Window Co., Ltd.**<br>NanHai Luocun Rong 1 Road<br>Foshan,China 528226 | **XLB-80 Thermal Break Awning Window – 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 #AD25-36** 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**
- Refer to Product Approval Drawing noted above for:
  - Maximum allowable wind loads at the 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

August 22nd, 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 |
|---|---|---|---|
| Quast Consulting & Testing Inc.<br>1055 Indianhead Drive Mosinee, WI | *QCT25-7593.01-R2*<br>*signed and sealed by*<br>*Brian M Sasman, PE* | 07/30/2025 | TAS 201 (large missile impact)<br>TAS 202 (uniform static test)<br>TAS 203 (cyclic wind pressure loading)<br>ASTM E283 (Air Infiltration)<br>ASTM F588 (Forced Entry 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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