## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

400 Palm Ave.

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**Manufacturer:** E6 Global IPA, LLC.

12-1394, 369 Gangnam-Daero, Seocho-Gu

Seoul 06621, South Korea

Product Line: AZ57-HWF2 Twin Core Aluminum Bifold Door Impact

#### Compliance:

The product mentioned above has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

## Supporting Technical Documentation:

1. Approval document: drawing number 08-03756, prepared, signed and sealed by Luis Roberto Lomas P.E.

2. Test report No.: NCTL 210-4242-03 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS203 Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ±70.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±70.0psf design pressure, 10.5psf water penetration.

3. Test report No.: NCTL 210-4242-09 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS203 Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ±55.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±70.0psf design pressure, 10.5psf water penetration.

Anchor calculations, report number 514913-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

#### Limitations and Conditions of use:

• Design pressure: ±70.0psf (units with SG interlayer)

±55.0psf (units with PVB interlayer)

• Panel size: 36" x 80'

Approved configuration: XXXX, XXX, XX

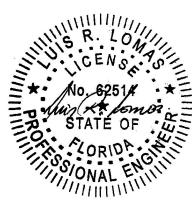
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Aluminum 6063-T5.

## Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03756.

### Certification of Independence:

Please note that I do not have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).



Luis R. Lomas, P.E. FL No.: 62514 11/18/2022