L. Roberto Lomas P.E.

Engineering Evaluation Report

Report No.: 514914

400 Palm Ave. Indialantic, FL 32903 434-688-0609

rllomas@lrlomaspe.com

Manufacturer: E6 Global IPA, LLC.

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

Seoul 06621, South Korea

Product Line: AZ57-HWF2 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 08-03757, prepared, signed and sealed by Luis Roberto Lomas P.E.

2. Test report No.: NCTL 210-4242-04 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±60.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

3. Test report No.: NCTL 210-4242-05 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±60.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

4. Test report No.: NCTL 210-4242-10 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±50.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

5. Test report No.: NCTL 210-4242-11 signed and sealed by Douglas J. McDougall P.E.

National Certified Testing Laboratories, Orlando, FL

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±50.0psf design pressure.

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

6. Anchor calculations, report number 514914-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

• Design pressure: ±60.0psf (units with SG interlayer)

±50.0psf (units with PVB interlayer)

• Panel size: 36" x 96"

• Approved configurations: XXXX, XXX, XX

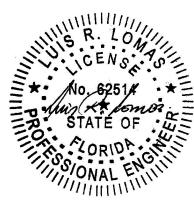
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Aluminum 6063-T5.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03757.

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