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PRODUCT APPROVAL EVALUATION REPORT

<u>Product Manufacturer:</u> TECNOGLASS, LLC. 3550 NW 49 TH ST. Miami, FL 33142	<u>Product Name/Model & Description:</u> Series 7000 Aluminum Curtain Wall – LMI & SMI Aluminum Curtain Wall – Large & Small Missile Impact
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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: 7th Edition Florida Building Code (2020)/ 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 #AD19-07, #AD19-08, #AD19-07A, #AD19-08A, #AD20-35 prepared by MCY Engineering, signed and sealed by the 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 and 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.



September 19th, 2023



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 Laboratory (FTL) – Medley, FL	<i>Test Report #12-4159 and signed and sealed by Jorge A. Naya, P.E.</i>	<u>Test Report #12-4159</u> 02/04/2013	ASTM E283 (air infiltration) ASTM E331 (water infiltration) TAS 201 (large and small missile impact test) TAS 202 (uniform static air pressure test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Laboratory (FTL) – Medley, FL	<i>Test Report #12-4160 signed and sealed by Jorge A. Naya, P.E.</i>	<u>Test Report #12-4160</u> 06/17/2013	ASTM E283 (air infiltration) ASTM E331 (water infiltration) AAMA 501.1 (water infiltration) TAS 201 (large and small missile impact test) TAS 202 (uniform static air pressure test) TAS 203 (cyclic wind pressure loading)
Fenestration Testing Laboratory (FTL) – Medley, FL	<i>Test Report #18-8384 signed and sealed by Idalmis Ortega, P.E.</i>	<u>Test Report #18-8384</u> 12/20/2018	ASTM E283 (air infiltration) ASTM E331 (water infiltration) TAS 202 (uniform static air pressure test)
Fenestration Testing Laboratory (FTL) – Medley, FL	<i>Test Report #10821 signed and sealed by Idalmis Ortega, P.E.</i>	<u>Test Report #10821</u> 10/02/2019	ASTM E283 (air infiltration) ASTM E331 (water infiltration) TAS 202 (uniform static air pressure test) TAS 201 (Missile Impact Test) TAS 203 (Cyclic Load Test)
Fenestration Testing Laboratory (FTL) – Medley, FL	<i>Test Report #12366 signed and sealed by Idalmis Ortega, P.E.</i>	<u>Test Report #12366</u> 11/19/2020	ASTM E283 (air infiltration) ASTM E331 (water infiltration) TAS 202 (uniform static air pressure test) TAS 201 (Missile Impact Test) TAS 203 (Cyclic Load 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.
- Rational analysis has been performed per Code requirements and acceptable standards of engineering principles (but not in lieu of standard tests required by the Code). No increase in allowable stress has been used in the evaluation of this product.

September 19th, 2023