



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway #301
Miramar, FL. 33027
P: 305-271-0117
F: 305-588-5224

PRODUCT APPROVAL EVALUATION REPORT

<u>Product Manufacturer:</u> Alutech Corporation/913 Investments, LLC. 8548 NW 64 th Street Miami, FL 33166	<u>Product Name/Model & Description:</u> Series 2001 Flush Single Panel Door (LMI & SMI) Aluminum Single Panel Door
--	--

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 2020 Florida Building Code, inclusive of all Supplements effective as of this report date.

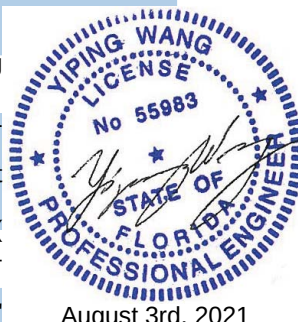
Compliance Method: 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

Product Description: Product Approval Drawing #AD15-09, 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/ outside the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **Large Missile Impact.** (Large Missile Impact also qualify 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.

Digitally signed by Yiping Wang
Location: 12781 Miramar Parkway #301, Miramar, FL
Reason: I am the author of this document
Contact Info: mcy@mcyengineering.com/(305)-588-5224
Date: 2021.08.03 09:50:39+08'00'





Test Reports:

Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

Test Lab	Report Number	Test Report Date	Test Standard & Description
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-15-5043, signed and sealed by Rafael E. Droz-Seda, P.E.</i>	6/09/15	TAS 202 (forced entry test, uniform static test) ASTM E330 (structural performance, doors)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-15-5061, signed and sealed by Rafael E. Droz-Seda, P.E.</i>	5/15/15	TAS 201 (large missile impact test) TAS 203 (cyclic wind pressure loading)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-95-T112, signed and sealed by Hector M. Medina, P.E.</i>	12/06/95	ASTM E8 (tensile test)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-95-1046, signed and sealed by Hector M. Medina, P.E.</i>	11/30/95	ASTM E330 (uniform static air pressure) ASTM E331 (water infiltration) ASTM E283 (air infiltration)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-95-1022, signed and sealed by Hector M. Medina, P.E.</i>	2/07/95	ASTM E331 (water infiltration) ASTM E283 (air infiltration)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-95-427, HETI-95-427F, signed and sealed by Hector M. Medina, P.E.</i>	11/30/95 (HETI-95-427), 12/06/95 (HETI-95-427F)	TAS 201 (large missile impact test) TAS 203 (large missile impact & wind pressure test)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-94-183, signed and sealed by Hector M. Medina, P.E.</i>	7/12/95	TAS 202 (forced entry, uniform static test)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-00-T059, signed and sealed by Hector M. Medina, P.E.</i>	11/16/00	ASTM E8 (tensile test)
Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-00-940, signed and sealed by Hector M. Medina, P.E.</i>	11/01/00	TAS 201 (large missile impact test) TAS 203 (large missile impact & wind pressure test)



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway #301
Miramar, FL. 33027
P: 305-271-0117
F: 305-588-5224

Hurricane Engineering & Testing, Inc. (HETI) – Doral, FL	<i>HETI-00-939, signed and sealed by Hector M. Medina, P.E.</i>	10/05/00	ASTM E330 (uniform static air pressure) TAS 202 (forced entry, uniform static 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, or ASTM TIR A9-91.
- No increase in allowable stress has been used in the evaluation of this product.