

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 27000

Date: 01/13/2021

Detailed Product Description:

Manufacturer: MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC.

Manufacturer Address: 8051 NW 79TH PLACE, MEDLEY, FL 33166

Model Name: SERIES "MG5000" ALUMINUM WINDOW WALL SYSTEM

Maximum Load: +130PSF, -130 PSF (Large Missile Impact)

Installation Drawings # 18-46F

| This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements. | | | | | |
|-------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| For maximum sizes, combination of span vs loads and anchor type refer to installation drawings. | | | | | |
| Comparative analysis used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| Mandatory Tests (Tested in accordance with AAMA 501/101/I.S.2/NAFS/TAS-202) | | | | | |
| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
| ASTM E283 | Air Infiltration Leakage | Fenestration Testing Laboratory, Inc. | 12/19/2007 03/24/2016 08/16/2017 05/17/2018 06/19/2020 | FTL-5447 FTL-8372 FTL-9605 BT-ESW-18-004 FTL-12112 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. |
| | | Blackwater Technical Services Inc. | 12/18/2020 | BT-ESW-20-036A | Mike Caldwell, P.E. |
| ASTM E331 OR ASTM 547 & TAS 202 | Water Penetration | Fenestration Testing Laboratory, Inc. | 12/19/2007 03/24/2016 08/16/2017 05/17/2018 06/19/2020 | FTL-5447 FTL-8372 FTL-9605 BT-ESW-18-004 FTL-12112 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. |
| | | Blackwater Technical Services Inc. | 12/18/2020 | BT-ESW-20-036A | Mike Caldwell, P.E. |
| ASTM E330 & TAS 202 | Uniform Static Air Press. | Fenestration Testing Laboratory, Inc. | 12/19/2007 03/24/2016 08/16/2017 05/17/2018 06/19/2020 | FTL-5447 FTL-8372 FTL-9605 BT-ESW-18-004 FTL-12112 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. |
| ASTM F588 | Forced Entry | Fenestration Testing Laboratory, Inc. | 06/19/2020 | FTL-12112 | Idalmis Ortega, P.E. |
| | | Blackwater Technical Services Inc. | 12/18/2020 | BT-ESW-20-036A | Mike Caldwell, P.E. |

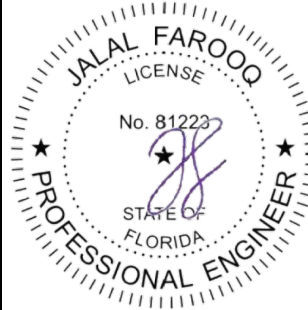
Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
|---------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| FBC 1626.2 (TAS 201 & 203) ANSI Z97.1 | Large Missile Impact & Cyclic | Fenestration Testing Laboratory, Inc. | 12/19/2007 03/24/2016 08/16/2017 05/17/2018 06/19/2020 | FTL-5447 FTL-8372 FTL-9605 BT-ESW-18-004 FTL-12112 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. |
| | | Blackwater Technical Services Inc. | 12/18/2020 | BT-ESW-20-036A | Mike Caldwell, P.E. |

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2020 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq PE # 81223
Al-Farooq Corporation EB # 3538



Sealed: 1/13/2021