

# AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 27001

Date: 07/21/2023

### Detailed Product Description:

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

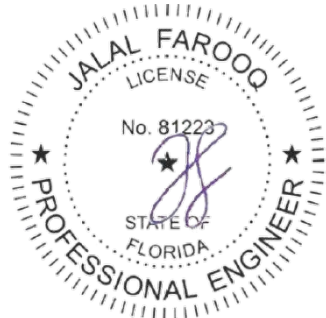
**Manufacturer Address:** 8051 NW 79th PLACE, MEDLEY, FL 33166

**Model Name:** SERIES MG-500 ALUMINUM OUTSWING DOOR

**Maximum Load:** +120 PSF, -130 PSF (Large Missile Impact)

**Installation Drawings #** 18-47F

| 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                           |                                                          |                                                                                                |                                                                                                  |                                                                                                                                                                            |
| <b>Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)</b>                  |                           |                                                          |                                                                                                |                                                                                                  |                                                                                                                                                                            |
| TEST                                                                                            | DESCRIPTION               | TEST LOCATION                                            | TEST REPORT DATE                                                                               | TEST REPORT #                                                                                    | TEST SEALED BY                                                                                                                                                             |
| ASTM E283                                                                                       | Air Infiltration Leakage  | Fenestration Testing, Inc<br><br>Blackwater Testing Inc. | 05/10/2008<br>09/09/2009<br>05/03/2013<br>06/13/2017<br>05/17/2018<br>06/15/2021               | FTL-5554<br>FTL-5992<br>FTL-7242<br>BW-ESW-17-020<br>BW-ESW-18-004<br>BT-ESW-20-036B             | Carlos S. Rionda, PE<br>Marlin. D. Brinson, PE<br>Marlin. D. Brinson, PE<br>Constantin Bortes, PE<br>Constantin Bortes, PE<br>Michael Caldwell, PE                         |
| ASTM E331<br>OR ASTM 547<br>& TAS 202                                                           | Water Penetration         | Fenestration Testing, Inc                                | 09/09/2009<br>05/03/2013<br>05/17/2018<br>06/15/2021                                           | FTL-5992<br>FTL-7242<br>BW-ESW-18-004<br>BT-ESW-20-036B                                          | Marlin. D. Brinson, PE<br>Marlin. D. Brinson, PE<br>Constantin Bortes, PE<br>Michael Caldwell, PE                                                                          |
| ASTM E330<br>& TAS 202                                                                          | Uniform Static Air Press. | Fenestration Testing, Inc<br><br>Blackwater Testing Inc. | 04/27/2008<br>05/10/2008<br>09/09/2009<br>05/03/2013<br>06/13/2017<br>05/17/2018<br>06/15/2021 | FTL-5556<br>FTL-5554<br>FTL-5992<br>FTL-7242<br>BW-ESW-17-020<br>BW-ESW-18-004<br>BT-ESW-20-036B | Carlos S. Rionda, PE<br>Carlos S. Rionda, PE<br>Marlin. D. Brinson, PE<br>Marlin. D. Brinson, PE<br>Constantin Bortes, PE<br>Constantin Bortes, PE<br>Michael Caldwell, PE |
| AAMA 1304                                                                                       | Forced Entry Test         | Fenestration Testing, Inc<br><br>Blackwater Testing Inc. | 05/10/2008<br>09/09/2009<br>05/03/2013<br>06/13/2017<br>05/17/2018<br>06/15/2021               | FTL-5554<br>FTL-5992<br>FTL-7242<br>BW-ESW-17-020<br>BW-ESW-18-004<br>BT-ESW-20-036B             | Carlos S. Rionda, PE<br>Marlin. D. Brinson, PE<br>Marlin. D. Brinson, PE<br>Constantin Bortes, PE<br>Constantin Bortes, PE<br>Michael Caldwell, PE                         |

| 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<br>(TAS 201 & 203)<br>ASTM<br>E1886/1996                                                                                                                                     | Large Missile<br>Impact &<br>Cyclic | Fenestration<br>Testing<br>Laboratory<br><br>Blackwater<br>Testing Inc. | 04/27/2008<br>05/10/2008<br>09/09/2009<br>05/03/2013<br>06/13/2017<br>05/17/2018<br>06/15/2021 | FTL-5556<br>FTL-5554<br>FTL-5992<br>FTL-7242<br>BW-ESW-17-020<br>BW-ESW-18-004<br>BT-ESW-20-036B       | Carlos S. Rionda, PE<br>Carlos S. Rionda, PE<br>Marlin. D. Brinson, PE<br>Marlin. D. Brinson, PE<br>Constantin Bortes, PE<br>Constantin Bortes, PE<br>Michael Caldwell, PE |
| 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 2023 Florida Building Code. |                                     |                                                                         |                                                                                                |                                                                                                        |                                                                                                                                                                            |
| <b>Evaluation Report Engineer:</b>                                                                                                                                                      |                                     |                                                                         |                                                                                                |                                                                                                        |                                                                                                                                                                            |
| Jalal Farooq<br>Al-Farooq Corporation                                                                                                                                                   |                                     | PE # 81223<br>EB # 3538                                                 |                                                                                                | <br>Sealed: 8/1/2023 |                                                                                                                                                                            |