

# AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 25959

Date: 07/24/2023

### Detailed Product Description:

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

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

**Model Name:** SERIES MG-1100 ALUMINUM SLIDING GLASS DOOR

**Maximum Load:** +80 PSF, -100 PSF (Large Missile Impact)

**Installation Drawings #** 18-06F

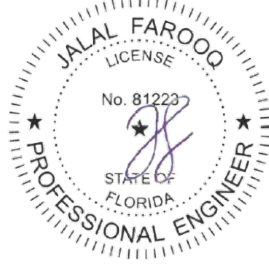
|                                                                                                 |                           |                                       |                  |               |                        |
|-------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|------------------|---------------|------------------------|
| 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 <u>  X  </u> Yes <u>      </u> No                                     |                           |                                       |                  |               |                        |
| Mandatory Tests (Tested in accordance with AAMA 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       | 10/23/2015       | FTL-8590      | Idalmis Ortega, PE     |
|                                                                                                 |                           | Hurricane Engineering & Testing, Inc. | 10/25/2015       | FTL-8591      | Rafael E.Droz-Seda, PE |
|                                                                                                 |                           |                                       | 11/28/2017       | FTL-8594      |                        |
|                                                                                                 |                           |                                       | 01/12/2021       | HETI-17-5078  |                        |
|                                                                                                 |                           |                                       |                  | HETI-17-5084  |                        |
|                                                                                                 |                           |                                       |                  | HETI-21-7007  | Dr. Ram Tewari, PE     |
|                                                                                                 |                           |                                       |                  | HETI-21-7012  |                        |
| 05/21/2020                                                                                      | HETI-20-8058              |                                       |                  |               |                        |
| 05/21/2020                                                                                      | HETI-20-8068              |                                       |                  |               |                        |
| 12/20/2022                                                                                      | HETI-22-7283              |                                       |                  |               |                        |
| ASTM E331<br>OR ASTM 547 &<br>TAS 202                                                           | Water Penetration         | Fenestration Testing Laboratory       | 10/23/2015       | FTL-8590      | Idalmis Ortega, PE     |
|                                                                                                 |                           | Hurricane Engineering & Testing, Inc. | 10/25/2015       | FTL-8591      | Rafael E.Droz-Seda, PE |
|                                                                                                 |                           |                                       | 11/28/2017       | FTL-8594      |                        |
|                                                                                                 |                           |                                       | 01/12/2021       | HETI-17-5078  |                        |
|                                                                                                 |                           |                                       |                  | HETI-17-5084  |                        |
|                                                                                                 |                           |                                       |                  | HETI-21-7007  | Dr. Ram Tewari, PE     |
|                                                                                                 |                           |                                       |                  | HETI-21-7012  |                        |
| 05/21/2020                                                                                      | HETI-20-8058              |                                       |                  |               |                        |
| 05/21/2020                                                                                      | HETI-20-8068              |                                       |                  |               |                        |
| 12/20/2022                                                                                      | HETI-22-7283              |                                       |                  |               |                        |
| ASTM E330<br>& TAS 202                                                                          | Uniform Static Air Press. | Fenestration Testing Laboratory       | 10/23/2015       | FTL-8590      | Idalmis Ortega, PE     |
|                                                                                                 |                           | Hurricane Engineering & Testing, Inc. | 10/25/2015       | FTL-8591      | Rafael E.Droz-Seda, PE |
|                                                                                                 |                           |                                       | 11/28/2017       | FTL-8594      |                        |
|                                                                                                 |                           |                                       | 01/12/2021       | HETI-17-5078  |                        |
|                                                                                                 |                           |                                       |                  | HETI-17-5084  |                        |
|                                                                                                 |                           |                                       |                  | HETI-21-7007  | Dr. Ram Tewari, PE     |
|                                                                                                 |                           |                                       |                  | HETI-21-7012  |                        |
| 05/21/2020                                                                                      | HETI-20-8058              |                                       |                  |               |                        |
| 05/21/2020                                                                                      | HETI-20-8068              |                                       |                  |               |                        |
| 12/20/2022                                                                                      | HETI-22-7283              |                                       |                  |               |                        |

|           |              |                                                                              |                                                                                                            |                                                                                                                                                  |                                                                            |
|-----------|--------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| ASTM F842 | Forced Entry | Fenestration Testing Laboratory<br><br>Hurricane Engineering & Testing, Inc. | 10/23/2015<br><br>10/25/2015<br>11/28/2017<br><br>01/12/2021<br><br>05/21/2020<br>05/21/2020<br>12/20/2022 | FTL-8590<br>FTL-8591<br>FTL-8594<br>HETI-17-5078<br>HETI-17-5084<br>HETI-21-7007<br>HETI-21-7012<br>HETI-20-8058<br>HETI-20-8068<br>HETI-22-7283 | Idalmis Ortega, PE<br><br>Rafael E.Droz-Seda, PE<br><br>Dr. Ram Tewari, 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>ASTME1886/1996 | Large Missile Impact & Cyclic | Fenestration Testing Laboratory<br><br>Hurricane Engineering & Testing, Inc. | 10/23/2015<br><br>11/28/2017<br><br>01/12/2021<br><br>05/21/2020<br>05/21/2020<br>12/20/2022 | FTL-8590<br>FTL-8592<br>FTL-8596<br>FTL-8593<br>FTL-8591<br>HETI-17-5079<br>HETI-17-5085<br>HETI-21-7007<br>HETI-21-7012<br>HETI-20-8058<br>HETI-20-8068<br>HETI-22-7283 | Idalmis Ortega, PE<br><br>Rafael E.Droz-Seda, PE<br><br>Dr. Ram Tewari, 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><br><br><br><br><br><br><br>Jalal Farooq<br>Al-Farooq Corporation | PE # 81223<br>EB # 3538 |  | Sealed: 7/24/2023 |
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