



# AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 27101

Date: 09/26/2023

### Detailed Product Description:

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

**Manufacturer Address:** 8051 N.W. 79<sup>th</sup> PLACE. MEDLEY, FL 33166

**Model Name:** SERIES MG7000 ALUMINUM CURTAIN WALL SYSTEM

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

**Installation Drawings #** 18-56F

| 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   |                          |                                       |                  |                |                          |
| <b>Mandatory Tests (Tested in accordance with AAMA 501/101/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 Laboratory, Inc. | 06/05/2012       | FTL-6742       | Marlin D. Brinson. P.E.  |
|                                                                                                 |                          |                                       | 11/19/2011       | FTL-6602       |                          |
|                                                                                                 |                          |                                       | 08/05/2011       | FTL-6193       |                          |
|                                                                                                 |                          |                                       | 10/28/2015       | BT-GMP-15-016  |                          |
|                                                                                                 |                          | Blackwater Testing, Inc               | 05/18/2016       | BT-ESW-16-001  | Yamil Gerardo Kuri. P.E. |
|                                                                                                 |                          |                                       | 06/14/2016       | BT-GMP-16-009  |                          |
|                                                                                                 |                          |                                       | 01/31/2017       | BT-ESW-16-012  |                          |
|                                                                                                 |                          |                                       | 03/15/2017       | BT-ESW-16-012A |                          |
|                                                                                                 |                          | Blackwater Technical Services         | 04/03/2019       | BT-GMP-18-002  | Constantin Bortes. P.E.  |
|                                                                                                 |                          |                                       | 05/29/2020       | BT-ESW-20-010  |                          |
| ASTM E331<br>OR<br>ASTM 547 &<br>TAS 202                                                        | Water Penetration        | Fenestration Testing Laboratory, Inc. | 06/05/2012       | FTL-6742       | Marlin D. Brinson. P.E.  |
|                                                                                                 |                          |                                       | 05/11/2012       | FTL-6712       |                          |
|                                                                                                 |                          |                                       | 11/19/2011       | FTL-6602       |                          |
|                                                                                                 |                          |                                       | 08/05/2011       | FTL-6193       |                          |
|                                                                                                 |                          | Blackwater Testing, Inc               | 10/28/2015       | BT-GMP-15-016  | Yamil Gerardo Kuri. P.E. |
|                                                                                                 |                          |                                       | 05/18/2016       | BT-ESW-16-001  |                          |
|                                                                                                 |                          |                                       | 06/14/2016       | BT-GMP-16-009  |                          |
|                                                                                                 |                          |                                       | 01/31/2017       | BT-ESW-16-012  |                          |
|                                                                                                 |                          | Blackwater Technical Services         | 03/15/2017       | BT-ESW-16-012A | Constantin Bortes. P.E.  |
|                                                                                                 |                          |                                       | 04/03/2019       | BT-GMP-18-002  |                          |
|                                                                                                 |                          | Blackwater Technical Services         | 05/29/2020       | BT-ESW-20-010  | Michael D. Caldwell, PE  |

|                        |                              |                                             |            |                |                         |
|------------------------|------------------------------|---------------------------------------------|------------|----------------|-------------------------|
| ASTM E330<br>& TAS 202 | Uniform Static<br>Air Press. | Fenestration<br>Testing<br>Laboratory, Inc. | 06/05/2012 | FTL-6742       | Marlin D. Brinson. P.E. |
|                        |                              |                                             | 05/11/2012 | FTL-6712       |                         |
|                        |                              |                                             | 11/19/2011 | FTL-6602       |                         |
|                        |                              |                                             | 08/05/2011 | FTL-6193       |                         |
|                        |                              |                                             | 10/28/2015 | BT-GMP-15-016  |                         |
|                        |                              | Blackwater<br>Testing, Inc                  | 05/18/2016 | BT-ESW-16-001  |                         |
|                        |                              |                                             | 06/14/2016 | BT-GMP-16-009  |                         |
|                        |                              |                                             | 01/31/2017 | BT-ESW-16-012  |                         |
|                        |                              |                                             | 03/15/2017 | BT-ESW-16-012A |                         |
|                        |                              |                                             | 04/03/2019 | BT-GMP-18-002  |                         |
|                        |                              | Blackwater<br>Technical Services            | 05/29/2020 | BT-ESW-20-010  | Michael D. Caldwell, PE |
| ASTM F588              | Forced Entry                 | Blackwater<br>Technical Services            | 05/29/2020 | BT-ESW-20-010  | Michael D. Caldwell, PE |

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

| TEST                                                                  | DESCRIPTION                                            | TEST LOCATION                               | TEST<br>REPORT<br>DATE | TEST<br>REPORT # | Test<br>Sealed by       |
|-----------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------|------------------|-------------------------|
| FBC 1626.2<br>TAS 201 & 203<br>ASTM E1886<br>ASTM E1996<br>ANSI Z97.1 | Large Missile<br>Impact & Cyclic<br>Level D<br>Level E | Fenestration<br>Testing<br>Laboratory, Inc. | 06/05/2012             | FTL-6742         | Marlin D. Brinson. P.E. |
|                                                                       |                                                        |                                             | 05/11/2012             | FTL-6712         |                         |
|                                                                       |                                                        |                                             | 08/05/2011             | FTL-6193         |                         |
|                                                                       |                                                        |                                             | 10/28/2015             | BT-GMP-15-016    |                         |
|                                                                       |                                                        | Blackwater Testing,<br>Inc                  | 05/18/2016             | BT-ESW-16-001    |                         |
|                                                                       |                                                        |                                             | 06/14/2016             | BT-GMP-16-009    |                         |
|                                                                       |                                                        |                                             | 01/31/2017             | BT-ESW-16-012    |                         |
|                                                                       |                                                        |                                             | 03/15/2017             | BT-ESW-16-012A   |                         |
|                                                                       |                                                        | Blackwater<br>Technical Services            | 04/03/2019             | BT-GMP-18-002    |                         |
|                                                                       |                                                        |                                             | 05/29/2020             | BT-ESW-20-010    | Michael D. 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.

**Evaluation Report Engineer:**

Jalal Farooq  
Al-Farooq Corporation

PE # 81223  
EB # 3538



Sealed: 10/2/2023