



# AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 28670

Date: 09/24/2026

### Detailed Product Description:

**Manufacturer:** TECNOGLASS, LLC

**Manufacturer Address:** 3550 NW 49 STREET. MIAMI, FL 33142

**Model Name:** SERIES HC-200 OUTSWING ALUMINUM CASEMENT WINDOW

**Maximum Load:** +130 PSF, -210 PSF (Small Missile Impact)

**Installation Drawings #** 18-126F

| 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                                         |                           |                                      |                  |               |                           |
| <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 Laboratory, Inc | 10/29/2018       | FTL-10400     | Idalmis Ortega, P.E.      |
|                                                                                                 |                           |                                      | 2/2/2005         | FTL-4433      | Edmundo Largaespada, P.E. |
|                                                                                                 |                           |                                      | 12/9/2004        | FTL-4415      |                           |
|                                                                                                 |                           | Blackwater Technical Services        | 7/17/2026        | BT-ESW-25-022 | Michael Caldwell, P.E.    |
| ASTM E331 OR<br>ASTM E547 &<br>TAS 202                                                          | Water Penetration         | Fenestration Testing Laboratory, Inc | 10/29/2018       | FTL-10400     | Idalmis Ortega, P.E.      |
|                                                                                                 |                           |                                      | 2/2/2005         | FTL-4433      | Edmundo Largaespada, P.E. |
|                                                                                                 |                           |                                      | 12/9/2004        | FTL-4415      |                           |
|                                                                                                 |                           | Blackwater Technical Services        | 7/17/2026        | BT-ESW-25-022 | Michael Caldwell, P.E.    |
| ASTM E330 &<br>TAS 202                                                                          | Uniform Static Air Press. | Fenestration Testing Laboratory, Inc | 10/29/2018       | FTL-10400     | Idalmis Ortega, P.E.      |
|                                                                                                 |                           |                                      | 2/2/2005         | FTL-4433      | Edmundo Largaespada, P.E. |
|                                                                                                 |                           |                                      | 12/9/2004        | FTL-4415      |                           |
|                                                                                                 |                           | Blackwater Technical Services        | 7/17/2026        | BT-ESW-25-022 | Michael Caldwell, P.E.    |
| ASTM F588                                                                                       | Forced Entry Test         | Fenestration Testing Laboratory, Inc | 10/29/2018       | FTL-10400     | Idalmis Ortega, P.E.      |
|                                                                                                 |                           |                                      | 2/2/2005         | FTL-4433      | Edmundo Largaespada, P.E. |
|                                                                                                 |                           |                                      | 12/9/2004        | FTL-4415      |                           |
|                                                                                                 |                           | Blackwater Technical Services        | 7/17/2026        | BT-ESW-25-022 | Michael 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 1626.3<br>(TAS 201 & 203)                                                                                                                                                           | Small Missile<br>Impact & Cyclic | Fenestration Testing<br>Laboratory, Inc | 10/29/2018                                                                                                                                                                            | FTL-10400     | Idalmis Ortega, P.E.      |
|                                                                                                                                                                                         |                                  |                                         | 3/17/2005                                                                                                                                                                             | FTL-4571      | Edmundo Largaespada, P.E. |
|                                                                                                                                                                                         |                                  |                                         | 2/2/2005                                                                                                                                                                              | FTL-4509      |                           |
|                                                                                                                                                                                         |                                  |                                         | 2/2/2005                                                                                                                                                                              | FTL-4433      |                           |
|                                                                                                                                                                                         |                                  | 12/9/2004                               | FTL-4415                                                                                                                                                                              |               |                           |
|                                                                                                                                                                                         |                                  | Blackwater Technical<br>Services        | 7/17/2026                                                                                                                                                                             | BT-ESW-25-022 | Michael 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 2026 Florida Building Code. |                                  |                                         |                                                                                                                                                                                       |               |                           |
| <b>Evaluation Report Engineer:</b><br><br><br><br><br><br><br><br><br><br>Jalal Farooq<br>Al-Farooq Corporation                                                                         |                                  |                                         | <div style="text-align: center;">  </div> <div style="text-align: right;"> Sealed: 9/24/2026 </div> |               |                           |