



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 17897

Date: 07/31/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES ES-8000T JUMBO ALUMINUM WINDOW WALL SYSTEM

Maximum Load: +70 PSF, -70 PSF (Large Missile Impact)

Installation Drawings # 21-58F

| 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. Blackwater Technical Services Inc. | 12/19/2007 04/14/2015 08/16/2017 03/08/2021 05/17/2021 | FTL-5447 FTL-7546 FTL-9605 BT-ESW-20-046 BT-ESW-20-049 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. |
| ASTM E331 OR ASTM 547 & TAS 202 | Water Penetration | Fenestration Testing Laboratory, Inc. Blackwater | 12/19/2007 04/14/2015 08/16/2017 03/08/2021 05/17/2021 | FTL-5447 FTL-7546 FTL-9605 BT-ESW-20-046 BT-ESW-20-049 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. |
| ASTM E330 & TAS 202 | Uniform Static Air Press. | Fenestration Testing Laboratory, Inc. Blackwater Technical Services Inc. | 12/19/2007 04/14/2015 08/16/2017 03/08/2021 05/17/2021 01/12/2023 | FTL-5447 FTL-7546 FTL-9605 BT-ESW-20-046 BT-ESW-20-049 BT-ESW-22-023 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. |
| ASTM F588 | Forced Entry | Blackwater Technical Services Inc. | 03/08/2021 05/17/2021 | BT-ESW-20-046 BT-ESW-20-049 | Michael D. Caldwell, P.E. Michael D. 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 ASTM E1886/1996 | Large Missile Impact & Cyclic | Fenestration Testing Laboratory, Inc. Blackwater Technical Services Inc. | 12/19/2007 04/14/2015 08/16/2017 03/08/2021 05/17/2021 01/12/2023 | FTL-5447 FTL-7546 FTL-9605 BT-ESW-20-046 BT-ESW-20-049 BT-ESW-22-023 | Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. Michael D. 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 2023 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq
Al-Farooq Corporation

PE # 81223
EB # 3538



Sealed: 8/1/2023