

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.

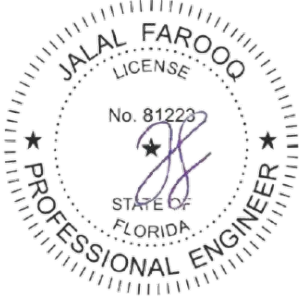
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

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 ☒ Yes ☐ 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			 Sealed: 8/1/2023		
PE # 81223 EB # 3538					