

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 18410

Date: 09/02/2026

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC

Manufacturer Address: 3550 NW 49TH STREET MIAMI, FL 33142

Model Name: ES-WW1032 ALUMINUM WINDOW WALL SYSTEM

Maximum Load: +142 PSF, -142 PSF (Small Missile Impact)

Installation Drawings # 20-53F

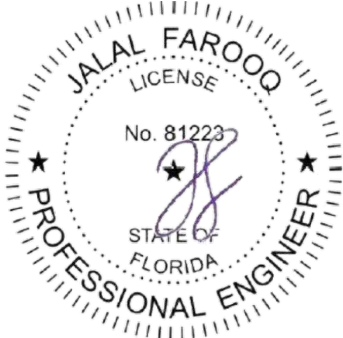
This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.					
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.					
Comparative analysis used Yes ☒ No ☐					
Mandatory Tests (Tested in accordance with AAMA 501/101/I.S.2/NAFS/TAS 202)					
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	TEST SEALED BY
ASTM E283	Air Infiltration Leakage	Blackwater Testing Inc.	7/8/2014	BT-GMP-14-006	Yamil Kuri, PE
			5/29/2020	BT-ESW-20-006	Michael D. Caldwell, PE
			6/8/2022	BT-ESW-22-002	Michael D. Caldwell, PE
		Blackwater Technical Services, Inc.	6/6/2023	BT-ESW-22-018	Michael D. Caldwell, PE
			4/10/2024	BT-ESW-23-035	Michael D. Caldwell, PE
			12/20/2024	BT-ESW-24-037	Michael D. Caldwell, PE
		Fenestration Testing Laboratory Inc.	11/12/2020	FTL-12314	Idalmis Ortega, PE
ASTM E331 or ASTM 547 & TAS 202	Water Penetration	Blackwater Testing Inc.	7/8/2014	BT-GMP-14-006	Yamil Kuri, PE
			5/29/2020	BT-ESW-20-006	Michael D. Caldwell, PE
			6/8/2022	BT-ESW-22-002	Michael D. Caldwell, PE
		Blackwater Technical Services, Inc.	6/6/2023	BT-ESW-22-018	Michael D. Caldwell, PE
			4/10/2024	BT-ESW-23-035	Michael D. Caldwell, PE
			12/20/2024	BT-ESW-24-037	Michael D. Caldwell, PE
		Fenestration Testing Laboratory Inc.	11/12/2020	FTL-12314	Idalmis Ortega, PE
		Intertek	8/28/2024	R0580.01-450-18	Tanya Dolby, PE
		IFET, Inc.	4/11/2025	IFET-24-0089	Arshad Viqar, PE

ASTM E330 & TAS 202	Uniform Static Air Pressure	Blackwater Testing Inc.	7/8/2014	BT-GMP-14-006	Yamil Kuri, PE
			5/29/2020	BT-ESW-20-006	Michael D. Caldwell, PE
			6/8/2022	BT-ESW-22-002	Michael D. Caldwell, PE
		Blackwater Technical Services, Inc.	6/6/2023	BT-ESW-22-018	Michael D. Caldwell, PE
			4/10/2024	BT-ESW-23-035	Michael D. Caldwell, PE
			12/20/2024	BT-ESW-24-037	Michael D. Caldwell, PE
		Fenestration Testing Laboratory Inc.	11/12/2020	FTL-12314	Idalmis Ortega, PE
		Intertek	8/28/2024	R0580.01-450-18	Tanya Dolby, 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 1626.3 (TAS 201 & 203) ANSI Z97.1	Small Missile Impact & Cyclic	Blackwater Testing Inc.	7/8/2014	BT-GMP-14-006	Yamil Kuri, PE
			5/29/2020	BT-ESW-20-006	Michael D. Caldwell, PE
			6/8/2022	BT-ESW-22-002	Michael D. Caldwell, PE
		Blackwater Technical Services, Inc.	6/6/2023	BT-ESW-22-018	Michael D. Caldwell, PE
			4/10/2024	BT-ESW-23-035	Michael D. Caldwell, PE
			12/20/2024	BT-ESW-24-037	Michael D. Caldwell, PE
		Fenestration Testing Laboratory Inc.	11/12/2020	FTL-12314	Idalmis Ortega, PE
		Intertek	8/28/2024	R0580.01-450-18	Tanya Dolby, PE
		IFET, Inc.	4/11/2025	IFET-24-0089	Arshad Viqar, 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 2026 Florida Building Code.

Evaluation Report Engineer:			
Jalal Farooq Al-Farooq Corporation	PE # 81223 EB # 3538		

Sealed: 9/2/2026