

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 46884

Date: 07/10/2026

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

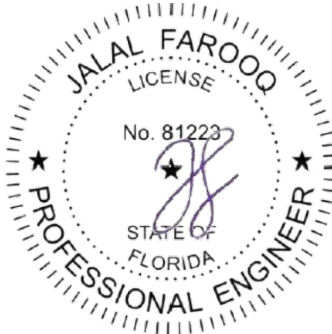
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES 1100WW ALUMINUM SINGLE HUNG WINDOW

Maximum Load: +100 PSF, -150 PSF (Small Missile Impact)

Installation Drawings # 24-38F

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	Hurricane Engineering & Testing, Inc.	01/28/2005 03/28/2005	HETI-05-1432 HETI-05-1945	Ivonne Ghia, PE Ivonne Ghia, PE
		Fenestration Testing Lab, Inc	01/25/2008 02/13/2009 05/18/2012	FTL-5337 FTL-5815 FTL-6800	Michael Wenzel, PE Michael Wenzel, PE Marlin D Brinson, PE
		Blackwater Technical Services Inc.	06/26/2024	BT-ESW-23-049	Michael Caldwell, PE
		IFET, Inc.	06/12/2025	TR-IFET-23-0036.1	Arshad Viqar, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Hurricane Engineering & Testing, Inc.	01/28/2005 03/28/2005	HETI-05-1432 HETI-05-1945	Ivonne Ghia, PE Ivonne Ghia, PE
		Fenestration Testing Lab, Inc	01/25/2008 02/13/2009 05/18/2012	FTL-5337 FTL-5815 FTL-6800	Michael Wenzel, PE Michael Wenzel, PE Marlin D Brinson, PE
		Blackwater Technical Services Inc.	06/26/2024	BT-ESW-23-049	Michael Caldwell, PE
		IFET, Inc.	06/12/2025	TR-IFET-23-0036.1	Arshad Viqar, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Hurricane Engineering & Testing, Inc.	01/28/2005 03/28/2005	HETI-05-1432 HETI-05-1945	Ivonne Ghia, PE Ivonne Ghia, PE
		Fenestration Testing Lab, Inc	01/25/2008 02/13/2009 05/18/2012	FTL-5337 FTL-5815 FTL-6800	Michael Wenzel, PE Michael Wenzel, PE Marlin D Brinson, PE
		Blackwater Technical Services Inc.	06/26/2024	BT-ESW-23-049	Michael Caldwell, PE
		IFET, Inc.	06/12/2025	TR-IFET-23-0036.1	Arshad Viqar, PE
ASTM F588	Forced Entry	Fenestration Testing Lab, Inc.	05/18/2012	FTL-6800	Marlin D Brinson, PE
		Blackwater Technical Services Inc.	06/26/2024	BT-ESW-23-049	Michael Caldwell, 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 ASTM E1886/1996 ANSI Z97.1	Small Missile Impact & Cyclic	Hurricane Engineering & Testing, Inc.	01/28/2005 03/28/2005	HETI-05-1432 HETI-05-1945	Ivonne Ghia, PE Ivonne Ghia, PE
		Fenestration Testing Lab, Inc	01/25/2008 02/13/2009 05/18/2012	FTL-5337 FTL-5815 FTL-6800	Michael Wenzel, PE Michael Wenzel, PE Marlin D Brinson, PE
		Blackwater Technical Services Inc.	06/26/2024 09/23/2024	BT-ESW-23-049 BT-ESW-23-034	Michael Caldwell, PE Michael Caldwell, PE
		IFET, Inc.	06/12/2025	TR-IFET-23-0036.1	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:			 Sealed: 7/10/2026		
Jalal Farooq Al-Farooq Corporation					
PE # 81223 EB # 3538					