

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 41000

Date: 07/31/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

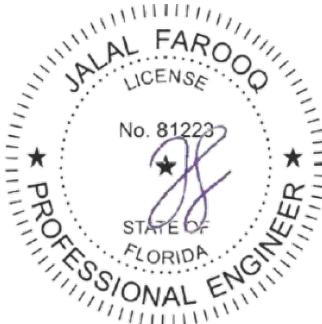
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES 5000 ALUMINUM CASEMENT WINDOW

Maximum Load: +90 PSF, -114 PSF (Large Missile Impact)

Installation Drawings # 21-68F

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 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	03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022	FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657	Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc	03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022	FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657	Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc	03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022	FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657	Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM F588	Forced Entry	Fenestration Testing Laboratory, Inc	03/16/2011 03/16/2011 11/16/2007 02/04/2022	FTL-6294 FTL-6295 FTL-58336 FTL-12657	Marlin D Brinson, PE Marlin D Brinson, PE Carlos S Rionda, PE Idalmis Ortega, 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 1626.2 TAS 201 & 203	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc	07/26/2018 03/16/2011 03/16/2011 11/16/2007 06/19/2020 02/04/2022	FTL-9711 FTL-6294 FTL-6295 FTL-58336 FTL-12112 FTL-12657	Idalmis Ortega, PE Marlin D Brinson,PE Marlin D Brinson,PE Carlos S Rionda,PE Idalmis Ortega, PE Idalmis Ortega, 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 2023 Florida Building Code.					
Evaluation Report Engineer:					
Jalal Farooq Al-Farooq Corporation			 Sealed: 7/31/2023		