



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 22250

Date: 07/17/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES ES-EL100 ALUMINUM SINGLE HUNG WINDOW

Maximum Load: +80 PSF, -80 PSF (Non-Impact)

Installation Drawings # 20-62F

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 X 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	Blackwater Testing Inc. Architectural Testing Inc. Fenestration Testing Lab.	03/31/2017 04/19/2019	BT-ESW-17-018 F9504.01-450-18 FTL-10493	Constantin Bortes, PE Justin McDonald, PE Idalmis Ortega, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Testing Inc. Architectural Testing Inc. Fenestration Testing Lab.	03/31/2017 04/19/2019	BT-ESW-17-018 F9504.01-450-18 FTL-10493	Constantin Bortes, PE Justin McDonald, PE Idalmis Ortega, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing Inc. Architectural Testing Inc. Fenestration Testing Lab.	03/31/2017 04/19/2019	BT-ESW-17-018 F9504.01-450-18 FTL-10493	Constantin Bortes, PE Justin McDonald, PE Idalmis Ortega, PE
ASTM F588	Forced Entry	Blackwater Testing Inc. Architectural Testing Inc. Fenestration Testing Lab.	03/31/2017 04/19/2019	BT-ESW-17-018 F9504.01-450-18 FTL-10493	Constantin Bortes, PE Justin McDonald, 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

PE # 81223
EB # 3538



Sealed: 8/16/2023