



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 17892

Date: 10/16/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC

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

Model Name: SERIES "ES-H340 THERMAL" ALUMINUM SINGLE HUNG WINDOW

Maximum Load: +90 PSF, -160 PSF (Large Missile Impact)

Installation Drawings # 20-40F

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	6/12/2014 2/3/2020 6/3/2021	FTL-7607 FTL-10828 FTL-12521	Idalmis Ortega, P.E.
		Blackwater Testing, Inc.	8/1/2017	BT-ESW-17-0006	Constantin Bortes, P.E.
ASTM E331 OR ASTM E547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc	6/12/2014 2/3/2020 6/3/2021	FTL-7607 FTL-10828 FTL-12521	Idalmis Ortega, P.E.
		Blackwater Testing, Inc.	8/1/2017	BT-ESW-17-0006	Constantin Bortes, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc	6/12/2014 2/3/2020 6/3/2021	FTL-7607 FTL-10828 FTL-12521	Idalmis Ortega, P.E.
		Blackwater Testing, Inc.	8/1/2017	BT-ESW-17-0006	Constantin Bortes, P.E.
ASTM F588	Forced Entry Test	Fenestration Testing Laboratory, Inc	6/12/2014 2/3/2020	FTL-7607 FTL-10828	Idalmis Ortega, P.E.
		Blackwater Testing, Inc.	8/1/2017	BT-ESW-17-0006	Constantin Bortes, 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)	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc	6/12/2014 2/3/2020 6/3/2021	FTL-7607 FTL-10828 FTL-12521	Idalmis Ortega, P.E.
		Blackwater Testing, Inc.	8/1/2017	BT-ESW-17-0006	Constantin Bortes, 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

PE # 81223

EB # 3538



Sealed: 10/18/2023