



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 24524

Date: 10/03/2024

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

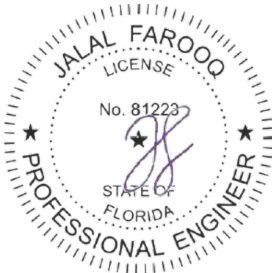
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: ES-PA220 ALUMINUM THERMALLY BROKEN PROJECT-OUT WINDOW

Maximum Load: +140 PSF, -140 PSF (Small Missile Impact)

Installation Drawings # W17-97

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	Architectural Testing Blackwater Testing Fenestration Testing Lab	04/01/2016 08/02/2017 08/30/2018 10/04/2019	F0769.02-450-18 BT-ESW-17-015 FTL-10251 FTL-10836	Justin P McDonald, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
ASTM E331 OR ASTM E547 & TAS 202	Water Penetration	Architectural Testing Blackwater Testing Fenestration Testing Lab	04/01/2016 08/02/2017 08/30/2018 10/04/2019	F0769.02-450-18 BT-ESW-17-015 FTL-10251 FTL-10836	Justin P McDonald, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Architectural Testing Blackwater Testing Fenestration Testing Lab	04/01/2016 08/02/2017 08/30/2018 10/04/2019	F0769.02-450-18 BT-ESW-17-015 FTL-10251 FTL-10836	Justin P McDonald, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
ASTM F588	Forced Entry	Architectural Testing Blackwater Testing Fenestration Testing Lab	04/01/2016 08/02/2017 08/30/2018 10/04/2019	F0769.02-450-18 BT-ESW-17-015 FTL-10251 FTL-10836	Justin P McDonald, P.E. Constantin Bortes, P.E. Idalmis Ortega, P.E. Idalmis Ortega, 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 1626.3 (TAS 201 & 203)	Small Missile Impact & Cyclic	Architectural Testing	04/01/2016	F0769.02-450-18	Justin P McDonald, P.E.
		Blackwater Testing Fenestration Testing Lab	04/01/2016	F0769.04-450-18	Justin P McDonald, P.E.
			08/02/2017	BT-ESW-17-015	Constantin Bortes, P.E.
			08/30/2018	FTL-10251	Idalmis Ortega, P.E.
			10/04/2019	FTL-10836	Idalmis Ortega, 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: 10/16/2024		