



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 20692

Date: 08/28/2024

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

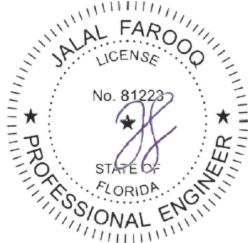
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES “ES-P252” THERMAL ALUMINUM CASEMENT WINDOW

Maximum Load: +95 PSF, -105 PSF (Large Missile Impact)

Installation Drawings # W16-46

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 <u> </u> Yes <u>X</u> 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	04/14/2016 07/23/2020 04/06/2021	FTL-7798 FTL-12064 FTL-12502	Idalmis Ortega, P.E.
		Blackwater Testing Inc.	12/05/2017	BT-ESW-17-022	Constantin Bortes, PE
		QAI Laboratories	05/15/2023	QAI-13166	Idalmis Ortega, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc	04/14/2016 07/23/2020 04/06/2021	FTL-7798 FTL-12064 FTL-12502	Idalmis Ortega, P.E.
		Blackwater Testing Inc.	12/05/2017	BT-ESW-17-022	Constantin Bortes, PE
		QAI Laboratories	05/15/2023	QAI-13166	Idalmis Ortega, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc	04/14/2016 07/23/2020 04/06/2021	FTL-7798 FTL-12064 FTL-12502	Idalmis Ortega, P.E.
		Blackwater Testing Inc. Blackwater Technical Services, Inc	12/05/2017 08/28/2024	BT-ESW-17-022 BT-ESW-23-044	Constantin Bortes, PE Michael Caldwell PE
		QAI Laboratories	05/15/2023	QAI-13166	Idalmis Ortega, P.E.
ASTM F588	Forced Entry	Fenestration Testing Laboratory, Inc	04/14/2016 07/23/2020 04/06/2021	FTL-7798 FTL-12064 FTL-12502	Idalmis Ortega, P.E.
		QAI Laboratories	05/15/2023	QAI-13166	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 1626.2 TAS 201 & 203 ASTM E1886/1996	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc	04/14/2016 07/23/2020 04/06/2021	FTL-7798 FTL-12064 FTL-12502	Idalmis Ortega, PE
		Blackwater Testing Inc Blackwater Technical Services, Inc	12/05/2017 08/28/2024	BT-ESW-17-022 BT-ESW-23-044	Constantin Bortes, PE Michael Caldwell PE
		QAI Laboratories	05/15/2023	QAI-13166	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: 8/28/2024		
Jalal Farooq Al-Farooq Corporation			PE # 81223 EB # 3538		