

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 22244

Date: 08/20/2026

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC

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

Model Name: SERIES 7100 ALUMINUM WINDOW WALL SYSTEM

Maximum Load: +180 PSF, -180 PSF (Small Missile Impact)

Installation Drawings # W17-40

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 501/101/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, Inc	11/16/2016 12/08/2016	F6336.01-450-18 F6336.02-450-18	Justin McDonald, P.E. Justin McDonald, P.E.
		Fenestration Testing Lab, Inc	07/15/2013 01/29/2015 05/15/2020	FTL-7155 FTL-8101 FTL-12119	Jorge Naya, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
		Blackwater Testing, Inc	12/02/2016 03/14/2017 04/14/2017 06/13/2017	BT-ESW-16-006 BT-ESW-16-009 BT-ESW-17-013 BT-ESW-17-005	Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E.
		Blackwater Technical Services, Inc.	06/05/2020 09/29/2020	BT-ESW-20-012 BT-ESW-20-028	Constantin Bortes, P.E. Michael D. Caldwell, P.E.
		Intertek	11/25/2020 09/18/2026	L3716.02-450-18 T4698.01-450-18	Vinu J. Abraham, P.E. Tyler Westerling, P.E.
ASTM E331 or ASTM 547 & TAS 202	Water Penetration	Architectural Testing, Inc	11/16/2016 12/08/2016	F6336.01-450-18 F6336.02-450-18	Justin McDonald, P.E. Justin McDonald, P.E.
		Fenestration Testing Lab, Inc	07/15/2013 01/29/2015 05/15/2020	FTL-7155 FTL-8101 FTL-12119	Jorge Naya, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
		Blackwater Testing, Inc	12/02/2016 03/14/2017 04/14/2017 06/13/2017	BT-ESW-16-006 BT-ESW-16-009 BT-ESW-17-013 BT-ESW-17-005	Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E.
		Blackwater Technical Services, Inc.	06/05/2020 09/29/2020	BT-ESW-20-012 BT-ESW-20-028	Constantin Bortes, P.E. Michael D. Caldwell, P.E.
		Intertek	11/25/2020 09/18/2026	L3716.02-450-18 T4698.01-450-18	Vinu J. Abraham, P.E. Tyler Westerling, P.E.

ASTM E330 & TAS 202	Uniform Static Air Pressure	Architectural Testing, Inc	11/16/2016 12/08/2016 12/08/2016	F6336.01-450-18 F6336.02-450-18 G0222.02-450-18	Justin McDonald, P.E. Justin McDonald, P.E. Justin McDonald, P.E.
		Fenestration Testing Lab, Inc	07/15/2013 01/29/2015 05/15/2020	FTL-7155 FTL-8101 FTL-12119	Jorge Naya, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
		Blackwater Testing, Inc	12/02/2016 03/14/2017 04/14/2017 06/13/2017	BT-ESW-16-006 BT-ESW-16-009 BT-ESW-17-013 BT-ESW-17-005	Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E.
		Blackwater Technical Services, Inc.	06/05/2020 09/29/2020	BT-ESW-20-012 BT-ESW-20-028	Constantin Bortes, P.E. Michael D. Caldwell, P.E.
		Intertek	11/25/2020 09/18/2026	L3716.02-450-18 T4698.01-450-18	Vinu J. Abraham, P.E. Tyler Westerling, P.E.
ASTM F588	Forced Entry	Blackwater Technical Services, Inc.	06/05/2020 09/29/2020	BT-ESW-20-012 BT-ESW-20-028	Constantin Bortes, P.E. Michael D. Caldwell, P.E.
		Intertek	11/25/2020	L3716.02-450-18	Vinu J. Abraham, P.E.

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

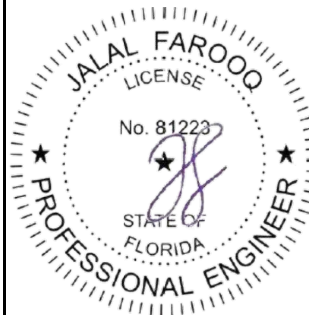
Test	Description	Test Location	Test Report Date	Test Report #	Test Sealed By
FBC 1626.3 (TAS 201 & 203) ANSI Z97.1 ASTM E1886/1996	Small Missile Impact & Cyclic	Architectural Testing, Inc	11/16/2016 12/08/2016 12/08/2016	F6336.01-450-18 F6336.02-450-18 G0222.02-450-18	Justin McDonald, P.E. Justin McDonald, P.E. Justin McDonald, P.E.
		Fenestration Testing Lab, Inc	07/15/2013 01/29/2015 02/09/2015 05/15/2020	FTL-7155 FTL-8101 FTL-7862 FTL-12119	Jorge Naya, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E.
		Blackwater Testing, Inc	12/02/2016 03/14/2017 04/14/2017 06/13/2017	BT-ESW-16-006 BT-ESW-16-009 BT-ESW-17-013 BT-ESW-17-005	Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E. Constantin Bortes, P.E.
		Blackwater Technical Services, Inc.	06/05/2020 09/29/2020	BT-ESW-20-012 BT-ESW-20-028	Constantin Bortes, P.E. Michael D. Caldwell, P.E.
		Intertek	11/25/2020 09/18/2026	L3716.02-450-18 T4698.01-450-18	Vinu J. Abraham, P.E. Tyler Westerling, 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: 8/20/2026