



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 17896

Date: 9/26/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES ES-7525 ALUMINUM CURTAINWALL SYSTEM

Maximum Load: +130.0 PSF, -130.0 PSF (Large Missile Impact)

Installation Drawings # W15-38

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	Fenestration Testing Laboratory, Inc.	06/05/2012	FTL-6742	Marlin D. Brinson. P.E.
			11/19/2011	FTL-6602	
			08/05/2011	FTL-6193	
			10/28/2015	BT-GMP-15-016	
		Blackwater Testing, Inc	05/18/2016	BT-ESW-16-001	Yamil Gerardo Kuri. P.E.
			06/14/2016	BT-GMP-16-009	
			01/31/2017	BT-ESW-16-012	
			03/15/2017	BT-ESW-16-012A	
		Blackwater Technical Services	04/03/2019	BT-GMP-18-002	Constantin Bortes. P.E.
			05/29/2020	BT-ESW-20-010	
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc.	06/05/2012	FTL-6742	Marlin D. Brinson. P.E.
			05/11/2012	FTL-6712	
			11/19/2011	FTL-6602	
			08/05/2011	FTL-6193	
		Blackwater Testing, Inc	10/28/2015	BT-GMP-15-016	Yamil Gerardo Kuri. P.E.
			05/18/2016	BT-ESW-16-001	
			06/14/2016	BT-GMP-16-009	
			01/31/2017	BT-ESW-16-012	
		Blackwater Technical Services	03/15/2017	BT-ESW-16-012A	Constantin Bortes. P.E.
			04/03/2019	BT-GMP-18-002	
		Blackwater Technical Services	05/29/2020	BT-ESW-20-010	Michael D. Caldwell, PE

ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc. Blackwater Testing, Inc Blackwater Technical Services	06/05/2012 05/11/2012 11/19/2011 08/05/2011 10/28/2015 05/18/2016 06/14/2016 01/31/2017 03/15/2017 04/03/2019 05/29/2020	FTL-6742 FTL-6712 FTL-6602 FTL-6193 BT-GMP-15-016 BT-ESW-16-001 BT-GMP-16-009 BT-ESW-16-012 BT-ESW-16-012A BT-GMP-18-002 BT-ESW-20-010	Marlin D. Brinson. P.E. Yamil Gerardo Kuri. P.E. Constantin Bortes. P.E. Michael D. Caldwell, PE
ASTM F588	Forced Entry	Blackwater Technical Services	05/29/2020	BT-ESW-20-010	Michael D. Caldwell, PE

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 ASTM E1996 ANSI Z97.1	Large Missile Impact & Cyclic Level D Level E	Fenestration Testing Laboratory, Inc. Blackwater Testing, Inc Blackwater Technical Services	06/05/2012 05/11/2012 08/05/2011 10/28/2015 05/18/2016 06/14/2016 01/31/2017 03/15/2017 04/03/2019 05/29/2020	FTL-6742 FTL-6712 FTL-6193 BT-GMP-15-016 BT-ESW-16-001 BT-GMP-16-009 BT-ESW-16-012 BT-ESW-16-012A BT-GMP-18-002 BT-ESW-20-010	Marlin D. Brinson. P.E. Yamil Gerardo Kuri. P.E. Constantin Bortes. P.E. Michael D. Caldwell, 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: 9/29/2023