



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 17897

Date: 08/11/2025

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES ES-8000T ALUMINUM WINDOW WALL SYSTEM

Maximum Load: +90 PSF, -120 PSF (Large Missile Impact)

Installation Drawings # W15-37

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. Blackwater Technical Services Inc.	12/19/2007 04/14/2015 08/16/2017 06/19/2020 04/07/2021 03/08/2021 05/03/2021 07/10/2025	FTL-5447 FTL-7546 FTL-9605 FTL-12221 FTL-12525 BT-ESW-20-046 BT-ESW-20-036B BT-ESW-23-036	Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc. Blackwater Technical Services Inc.	12/19/2007 04/14/2015 08/16/2017 06/19/2020 04/07/2021 03/08/2021 05/03/2021	FTL-5447 FTL-7546 FTL-9605 FTL-12221 FTL-12525 BT-ESW-20-046 BT-ESW-20-036B	Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc. Blackwater Technical Services Inc.	12/19/2007 04/14/2015 08/16/2017 06/19/2020 04/07/2021 12/13/2021 03/08/2021 05/03/2021 01/12/2023 07/10/2025	FTL-5447 FTL-7546 FTL-9605 FTL-12221 FTL-12525 FTL-12879 BT-ESW-20-046 BT-ESW-20-036B BT-ESW-22-023 BT-ESW-23-036	Michael R. Wenzel, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Idalmis Ortega, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E. Michael D. Caldwell, P.E.
ASTM F588	Forced Entry	Blackwater Technical Services Inc.	03/08/2021 05/03/2021	BT-ESW-20-046 BT-ESW-20-036B	Michael D. Caldwell, P.E. Michael D. Caldwell, 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) ANSI Z97.1 ASTM E1886/1996	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc.	12/19/2007	FTL-5447	Michael R. Wenzel, P.E.
			04/14/2015	FTL-7546	Idalmis Ortega, P.E.
			08/16/2017	FTL-9605	Idalmis Ortega, P.E.
			06/19/2020	FTL-12221	Idalmis Ortega, P.E.
			04/07/2021	FTL-12525	Idalmis Ortega, P.E.
		Blackwater Technical Services Inc.	12/13/2021	FTL-12879	Idalmis Ortega, P.E.
			03/08/2021	BT-ESW-20-046	Michael D. Caldwell, P.E.
			05/03/2021	BT-ESW-20-036B	Michael D. Caldwell, P.E.
			01/12/2023	BT-ESW-22-023	Michael D. Caldwell, P.E.
			07/10/2025	BT-ESW-23-036	Michael D. Caldwell, 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: 8/13/2025		