

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 20396

Date: 07/31/2023

Detailed Product Description:

Manufacturer: ES WINDOWS, LLC

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

Model Name: ES-CS1325 ALUMINUM CURTAIN WALL SYSTEM

Maximum Load: +125 PSF, -125 PSF (Large Missile Impact)

Installation Drawings # W16-29

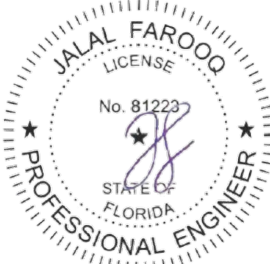
This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.

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/I.S.2/NAFS/TAS-202)

TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
ASTM E283	Air Infiltration Leakage	Blackwater Testing Inc.	10/09/2015 08/23/2015 06/14/2016 10/28/2015 05/10/2016 10/03/2018	BT-ESW-15-007B BT-ESW-15-007A BT-GMP-16-010 BT-ESW-15-007C BT-ESW-15-007D BT-ESW-18-010	Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Testing Inc.	10/09/2015 08/23/2015 06/14/2016 10/28/2015 05/10/2016 10/03/2018	BT-ESW-15-007B BT-ESW-15-007A BT-GMP-16-010 BT-ESW-15-007C BT-ESW-15-007D BT-ESW-18-010	Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing Inc.	10/09/2015 08/23/2015 06/14/2016 10/28/2015 05/10/2016 10/03/2018	BT-ESW-15-007B BT-ESW-15-007A BT-GMP-16-010 BT-ESW-15-007C BT-ESW-15-007D BT-ESW-18-010	Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, 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 E1886/1996 ANSI Z97.1	Large Missile Impact & Cyclic	Blackwater Testing Inc.	10/09/2015 08/23/2015 06/14/2016 10/28/2015 05/10/2016 10/03/2018	BT-ESW-15-007B BT-ESW-15-007A BT-GMP-16-010 BT-ESW-15-007C BT-ESW-15-007D BT-ESW-18-010	Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, PE Yamil Kuri, P.E. Yamil Kuri, P.E. Constantin Bortes, 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: 8/1/2023			