



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 22645

Date: 04/03/2024

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES ES-EL400 (WET GLAZED) ALUMINUM SLIDING GLASS DOOR

Maximum Load: +80 PSF, -80 PSF (Large Missile Impact)

Installation Drawings # 24-10F

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 101/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. IFET, Inc.	06/15/2017	BT-ESW-17-009	Constantin Bortes, PE
			02/14/2024	TR-IFET-23-0052	Arshad Viqar, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Testing, Inc.	06/15/2017	BT-ESW-17-009	Constantin Bortes, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing, Inc. IFET, Inc.	06/15/2017	BT-ESW-17-009	Constantin Bortes, PE
			02/14/2024	TR-IFET-23-0052	Arshad Viqar, PE
ASTM F842	Forced Entry Test	Blackwater Testing, Inc.	06/15/2017	BT-ESW-17-009	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	Large Missile Impact & Cyclic	Blackwater Testing, Inc. IFET, Inc.	06/15/2017	BT-ESW-17-009	Constantin Bortes, PE
			02/14/2024	TR-IFET-23-0052	Arshad Viqar, 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: 4/4/2024