

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 21557

Date: 07/17/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

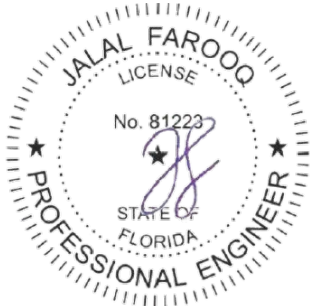
Manufacturer Address: 3550 N.W. 49 STREET – MIAMI, FL. 33142

Model Name: SERIES ES-EL200 ALUMINUM HORIZONTAL ROLLING WINDOW

Maximum Load: +80 PSF, -90 PSF (Large Missile Impact)

Installation Drawings # W16-69

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. Fenestration Testing Lab QAI Laboratories	12/08/2016 04/23/2020 10/19/2022	BT-ESW-16-007 FTL-11027 QAI-13090	Constantin Bortes, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Testing Inc. Fenestration Testing Lab QAI Laboratories	12/08/2016 04/23/2020 10/19/2022	BT-ESW-16-007 FTL-11027 QAI-13090	Constantin Bortes, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing Inc. Fenestration Testing Lab QAI Laboratories	12/08/2016 04/23/2020 10/19/2022	BT-ESW-16-007 FTL-11027 QAI-13090	Constantin Bortes, PE Idalmis Ortega, PE Idalmis Ortega, PE
ASTM F588	Forced Entry	Blackwater Testing Inc. QAI Laboratories	12/08/2016 10/19/2022	BT-ESW-16-007 QAI-13090	Constantin Bortes, PE Idalmis Ortega, 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	Large Missile Impact & Cyclic	Blackwater Testing Inc. Fenestration Testing Lab QAI Laboratories	12/08/2016 10/24/2017 04/23/2020 10/19/2022	BT-ESW-16-007 BT-ESW-17-007 FTL-11027 QAI-13090	Constantin Bortes, PE Idalmis Ortega, PE Idalmis Ortega, 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			 Sealed: 8/17/2023		