AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 47502
Date: 04/21/2025

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES NP-200 ALUMINUM OUTSWING CASEMENT WINDOW

Maximum Load: +70 PSF, -80 PSF (Large Missile Impact)

Installation Drawings # 25-39F

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

For maximum sizes, loads and anchor type refer to installation drawings.

Comparative analysis used __ Yes X 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 Technical Services Inc.	04/24/2025 04/24/2025	BT-ESW-24-033 BT-ESW-24-034	Michael D. Calwell, PE Michael D. Calwell, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Technical Services Inc.	04/24/2025 04/24/2025	BT-ESW-24-033 BT-ESW-24-034	Michael D. Calwell, PE Michael D. Calwell, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Technical Services Inc.	04/24/2025 04/24/2025	BT-ESW-24-033 BT-ESW-24-034	Michael D. Calwell, PE Michael D. Calwell, PE
ASTM F588	Forced Entry	Blackwater Technical Services Inc.	04/24/2025 04/24/2025	BT-ESW-24-033 BT-ESW-24-034	Michael D. Calwell, PE Michael D. Calwell, 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 Technical Services Inc.	04/24/2025 04/24/2025	BT-ESW-24-033 BT-ESW-24-034	Michael D. Calwell, PE Michael D. Calwell, 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 PE # 81223
Al-Farooq Corporation EB # 3538

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Sealed: 4/25/2025

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