AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 47084
Date: 10/15/2024

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES 6100 ALUMINUM SLIDING GLASS WINDOW (DRY GLAZED)

Maximum Load: +110 PSF, -140 PSF (Small Missile Impact)

Installation Drawings # 24-79F

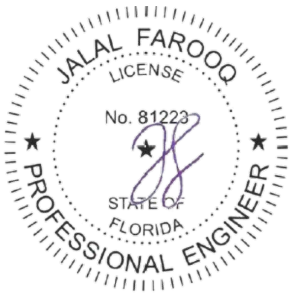
This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.

For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.

Comparative analysis used _X_ 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	Fenestration Testing Lab, Inc. Blackwater Testing, Inc.	03/24/2017 11/13/2013 05/04/2009 10/15/2010 9/19/2019	FTL-8721 FTL-7572 FTL-5669 FTL-6293 BT-GMP-19-012	Idalmis Ortega, PE Marlin Brinson, PE Jorge Causo, PE Jorge Causo, PE Costantin Bortes,PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Lab, Inc.	03/24/2017 11/13/2013 05/04/2009 10/15/2010	FTL-8721 FTL-7572 FTL-5669 FTL-6293	Idalmis Ortega, PE Marlin Brinson, PE Jorge Causo, PE Jorge Causo, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Lab, Inc. Blackwater Testing, Inc.	03/24/2017 11/13/2013 05/04/2009 10/15/2010 9/19/2019	FTL-8721 FTL-7572 FTL-5669 FTL-6293 BT-GMP-19-012	Idalmis Ortega, PE Marlin Brinson, PE Jorge Causo, PE Jorge Causo, PE Costantin Bortes,PE
ASTM F588	Forced Entry Test	Fenestration Testing Lab, Inc. Blackwater Testing, Inc.	03/24/2017 11/13/2013 05/04/2009 10/15/2010 9/19/2019	FTL-8721 FTL-7572 FTL-5669 FTL-6293 BT-GMP-19-012	Idalmis Ortega, PE Marlin Brinson, PE Jorge Causo, PE Jorge Causo, PE Costantin 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 1626.3 (TAS 201 & 203) ASTM E1886 ASTM E1996 ANSI Z97.1	Small Missile Impact & Cyclic	Fenestration Testing Lab, Inc. Blackwater Testing, Inc.	03/24/2017 11/13/2013 05/04/2009 10/15/2010 9/19/2019	FTL-8721 FTL-7572 FTL-5669 FTL-6293 BT-GMP-19-012	Idalmis Ortega, PE Marlin Brinson, PE Jorge Causo, PE Jorge Causo, PE Costantin 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 PE # 81223 Al-Farooq Corporation EB # 3538			 Sealed: 10/21/2024		