



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 34706

Date: 07/26/2023

Detailed Product Description:

Manufacturer: MARVIN WINDOWS & DOORS

Manufacturer Address: PO Box 100, 401 State Ave N, Warroad, MN 56763

Model Name: Series Coastline Direct Glaze Narrow Frame IZ4 (1" IG)

Maximum Load: +90 PSF, -130 PSF (Large Missile Impact)

Installation Drawings # W16-90

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	Blackwater Testing, Inc.	11/16/2016 03/24/2020	BT-SIW-16-004 BT-SIW-19-007	Constantin Bortes, PE Michael Caldwell, PE
ASTM E331 & TAS 202	Water Penetration	Blackwater Testing, Inc.	11/16/2016 03/24/2020	BT-SIW-16-004 BT-SIW-19-007	Constantin Bortes, PE Michael Caldwell, PE
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing, Inc.	11/16/2016 03/24/2020	BT-SIW-16-004 BT-SIW-19-007	Constantin Bortes, PE Michael Caldwell, PE
ASTM F588	Forced Entry	Blackwater Testing, Inc.	11/16/2016 03/24/2020	BT-SIW-16-004 BT-SIW-19-007	Constantin Bortes, PE Michael Caldwell, 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 E1996/1886 ANSI Z97.1	Large Missile Impact & Cyclic	Blackwater Testing, Inc.	11/16/2016 03/24/2020	BT-SIW-16-004 BT-SIW-19-007	Constantin Bortes, PE Michael Caldwell, 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: 7/26/2023