

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 33620

Date: 08/03/2023

Detailed Product Description:

Manufacturer: MARVIN WINDOWS & DOORS

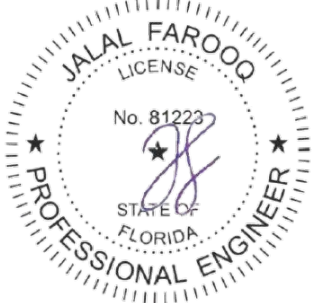
Manufacturer Address: PO Box 100, 401 State Ave N, Warroad, MN 56763

Model Name: Series Coastline Single Hung IZ4 (6'-8")

Maximum Load: +80.0 PSF, -120.0 PSF (Large Missile Impact)

Installation Drawings # W15-41

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	Hurricane Engineering & Testing, Inc.	09/21/2006	HETI-06-4040	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4042	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4043	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4044	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4050	Rafael E. Droz-Seda, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Hurricane Engineering & Testing, Inc.	09/21/2006	HETI-06-4040	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4042	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4043	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4044	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4050	Rafael E. Droz-Seda, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Hurricane Engineering & Testing, Inc.	09/21/2006	HETI-06-4040	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4042	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4043	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4044	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4050	Rafael E. Droz-Seda, P.E.
ASTM F 588	Force Entry	Hurricane Engineering & Testing, Inc.	09/21/2006	HETI-06-4040	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4042	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4043	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4044	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4050	Rafael E. Droz-Seda, P.E.

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 E 1886 & ASTM E 1896	Large Missile Impact & Cyclic	Hurricane Engineering & Testing, Inc.	09/21/2006	HETI-06-4041	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4045A	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4045B	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4046	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4047	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4047A	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-4047B	Rafael E. Droz-Seda, P.E.
			09/21/2006	HETI-06-2122	Rafael E. Droz-Seda, P.E.
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: 8/4/2023		