

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 21563

Date: 09/28/2023

Detailed Product Description:

Manufacturer: E.S. WINDOWS, LLC.

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

Model Name: SERIES ES-BF5010T OUTFOLDING BI-FOLD DOOR

Maximum Load: +108 PSF, -108 PSF (Small Missile Impact)

Installation Drawings # W16-85

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	12/05/2016 7/18/2019	BT-ESW-16-003 BT-GMP-19-002	Constantin Bortes, P.E
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Blackwater Testing, Inc	12/05/2016 7/18/2019	BT-ESW-16-003 BT-GMP-19-002	Constantin Bortes, P.E
ASTM E330 & TAS 202	Uniform Static Air Press.	Blackwater Testing, Inc	12/05/2016 7/18/2019	BT-ESW-16-003 BT-GMP-19-002	Constantin Bortes, P.E
AAMA 1304	Forced Entry Test	Blackwater Testing, Inc	12/05/2016 7/18/2019	BT-ESW-16-003 BT-GMP-19-002	Constantin Bortes, 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 1626.3 (TAS 201 & 203) ASTM E1886/1996 ANSI Z97.1	Small Missile Impact & Cyclic	Blackwater Testing, Inc	12/05/2016 7/18/2019	BT-ESW-16-003 BT-GMP-19-002	Constantin Bortes, 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.

<p>Evaluation Report Engineer:</p> <p>Jalal Farooq PE # 81223 Al-Farooq Corporation EB # 3538</p>	 <p>Sealed: 10/4/2023</p>
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