

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Eco Window Systems, LLC 8502 NW 80 Street Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Eco-Guard 100" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W13-08**, titled "Eco-Guard Series-100 Alum. S.H. Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 03/15/13, with revision **B** dated 09/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 14-1212.03 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.



6.2. / 12/14/2017

NOA No. 17-1011.24 Expiration Date: August 15, 2023 Approval Date: December 21, 2017 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No W13-08, titled "Eco-Guard Series-100 Alum. S.H. Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 03/15/13, with revision A dated 11/25/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a 37" wide x 63" high Eco-Guard Series 100
aluminum single hung window, prepared by Hurricane Engineering & Testing Inc.,
Test Report No. **HETI-10-3139**, dated 11/29/10, signed and sealed by Candido F.
Font, P.E.

(Submitted under previous NOA No. 13-0418.08)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94 along with installation diagram of a 106-1/2" wide x 76" high Eco-Guard Series 100

aluminum single hung window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2166A**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94

2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of a 106-1/2" wide x 76" high Eco-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2166C**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

- 4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with installation diagram of a 53-1/4" wide x 76" high Eco-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2168**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

Sign 71 - DE

Sifang Zhao, P.E. Product Control Examiner NOA No. 17-1011.24

Expiration Date: August 15, 2023 Approval Date: December 21, 2017

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a 53-1/4" wide x 76-1/4" high Eco-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2170**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC-5**th **Edition (2014)**, dated 11/18/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 13–0129.27 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-5th Edition (2014), and of no financial interest, dated November 18, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. Notice of Acceptance No. 13-0 418.03, issued to Eco Window Systems, LLC for their Series "Eco-Guard 100" Aluminum Single Hung Window – S.M.I., approved on 08/15/13 and expiring on 08/15/18.

Sifang Zhao, P.E.

Product Control Examiner NOA No. 17-1011.24

Expiration Date: August 15, 2023 Approval Date: December 21, 2017

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No W13-08, titled "Eco-Guard Series-100 Alum. S.H. Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 03/15/13, with revision B dated 09/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None

D. OUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Interlayers" dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC 5th Edition (2014), with FBC 6th Edition (2017), and of no financial interest, dated September 15, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. Notice of Acceptance No. 14-1212.03, issued to Eco Window Systems, LLC for their Series "Eco-Guard 100" Aluminum Single Hung Window – S.M.I., approved on 04/02/15 and expiring on 08/15/18.

Sifang Zhao

Sifang Zhao, P.E. Product Control Examiner NOA No. 17-1011.24

Expiration Date: August 15, 2023 Approval Date: December 21, 2017

DESIGN LOAD CAPACITY - PSF							
FLANG]	E DIMS.	1/4" ITW TAPCON		1/4" ELCO ULTRACON		#14 SMS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"		75.0	141.1	75.0	141.1	75.0	141.1
26-1/2"	26"	75.0	141.1	75.0	141.1	75.0	141.1
30"	(4)	75.0	141.1	75.0	141.1	75.0	141.1
37"		75.0	141.1	75.0	141.1	75.0	141.1
19-1/8"		75.0	141.1	75.0	141.1	75.0	141.1
26-1/2"	38-3/8"	75.0	141.1	75.0	141.1	75.0	141.1
30"	(4)	75.0	141.1	75.0	141.1	75.0	141.1
37"		75.0	138.7	75.0	141.1	75.0	141.1
19-1/8"		75.0	141.1	75.0	1 4 1.1	75.0	141.1
26-1/2"	50-5/8"	75.0	141.1	75.0	141.1	75.0	141.1
30"	(6)	75.0	141.1	75.0	141.1	75.0	141.1
37"		75.0	141.1	75.0	141.1	75.0	141.1
19-1/8"		75.0	141.1	75.0	141.1	75.0	141.1
26-1/2"	63"	75.0	141.1	75.0	141.1	75.0	141.1
30"	(6)	75.0	141.1	75.0	141.1	75.0	141.1
37"		75.0	126.8	75.0	139.4	75.0	141.1

^{*} NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.

ECO-GUARD SERIES-100 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

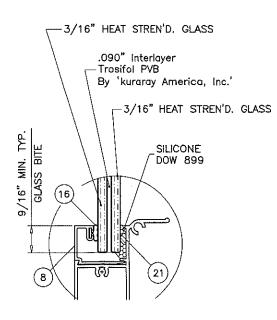
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

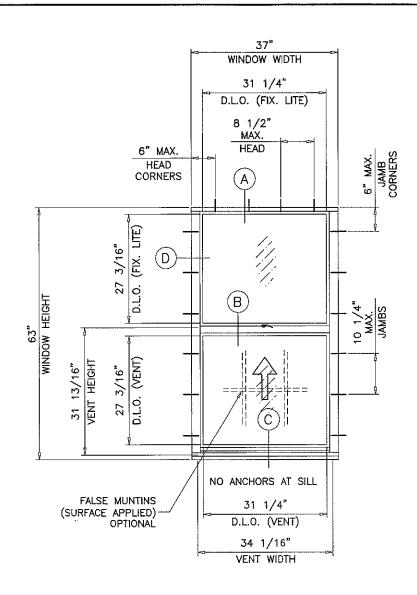
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.



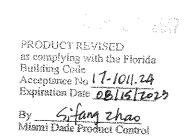
GLAZING DETAIL 7/16" OVERALL LAM. GLASS

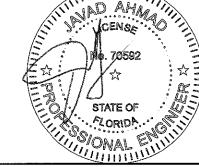
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCAO5-DEC-219



TYPICAL ELEVATION TESTED UNIT

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.





description UPDATED TO 2014 UPDATED TO 2017 à <u>@ ∠ @</u> 1/2"-1'-0" ķ ₽. drawing no. W13 - 08

sheet 1 of 5

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

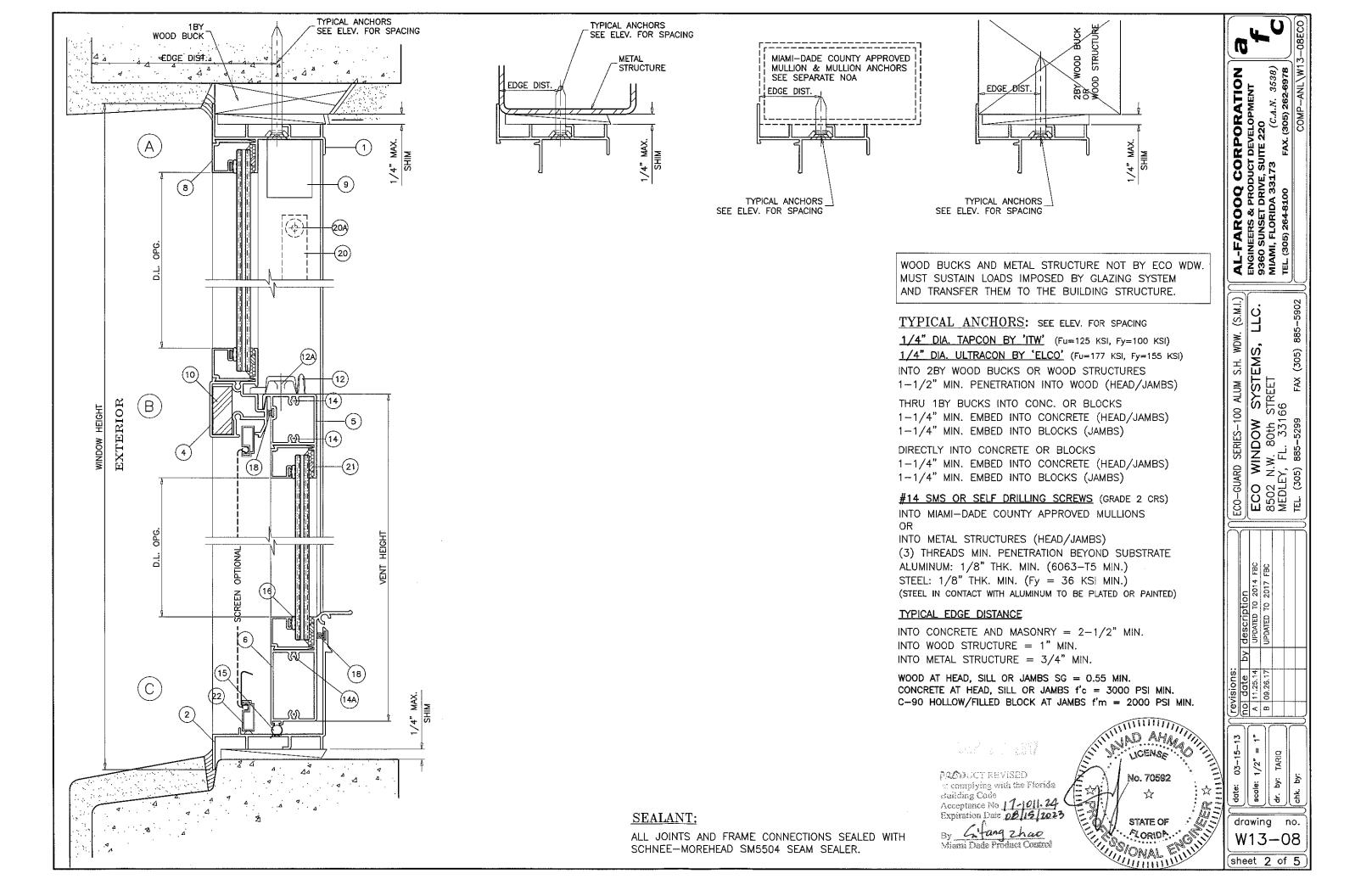
(S.M.L.)

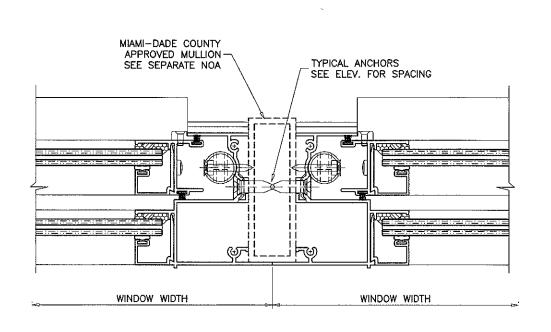
WDW.

885-5902

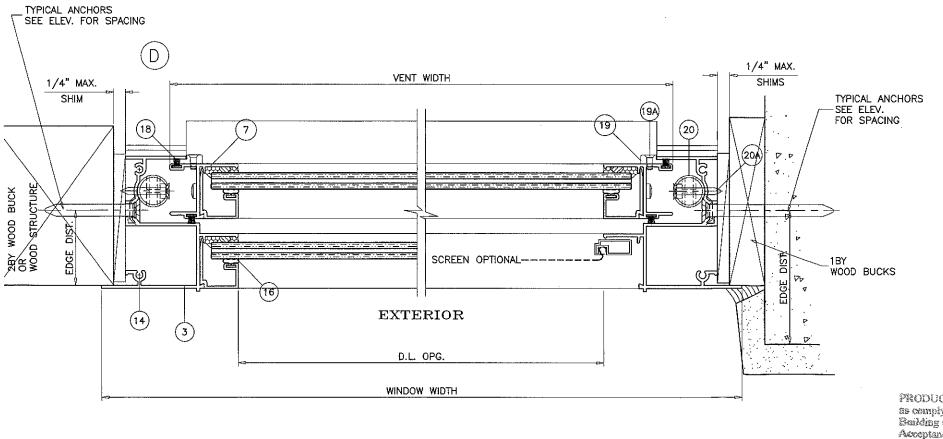
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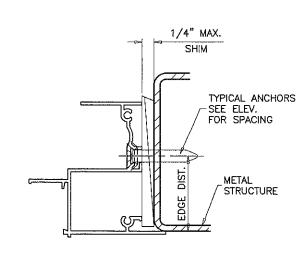
ECO WINDOW SYSTEMS 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885-5299 FAX (205)





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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARK
1	FY101	1	FRAME HEAD	6063-T6	
2	FY115	1	FRAME SILL	6063-T6	_
3	FY103	2	FRAME JAMB	6063-T6	_
4	FY104	1	FIXED MTG. RAIL	6063-T6	_
5	FY105	1	VENT TOP RAIL	6063-T6	_
6	FY114	1	VENT BOTTOM RAIL	6063-T6	-
7	FY107	2	VENT SIDE RAIL	6063-T6	_
8	FY109	AS RQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	-
9	FY116	2/VENT	SASH STOP	6063-T5	_
10	_	1	FIX. MTG. RAIL REINFORCEMENT	6063-T6	
12	SL203P	1/VENT	SWEEP LATCH, CENTERED AT VENT	ZAMAK	SULLIVAN & ASSOC.
12A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
14	#8 X 1"	AS REQD.	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
14A	#8 X 3/8"	2/ VENT	BOTTOM RAIL ASSEMBLY SCREWS	CRS	PH SMS
15	E207	AS REQD.	BOTTOM RAIL SEAL - SERIES 101	NEOPRENE	ULTRAFAB
16	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB
18	W23181	AS REQD.	FIN SEAL W'STRIPPING	_	ULTRAFAB
19	FY117	4/ VENT	SASH GUIDE	CELCON	M&M PLASTICS
19A	#6 X 3/8"	1/ GUIDE	SASH GUIDE INST. SCREW	CRS	OH SMS TYPE B
20	F210	2/VENT	SASH BALANCE		SUPERBOOST BY BSI
20A	#8 X 5/8"	1/ BALANCE	BALANCE INST. SCREW	_	P FH SMS
21	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	_	1	5/16" BOX SCREEN	_	OPTIONAL
23	FY120		FLUSH FRAME ADAPTER	6063-T6	OPTIONAL





PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 17-1011-24 Empiration Date 08 [15] 1023

By Sifang Zhao Mismi Dade Product Control



ECO-GUARD SERIES-100 ALUM S.H. WDW. (S.M.I. ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th STREET MEDLEY, FL. 33166
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 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

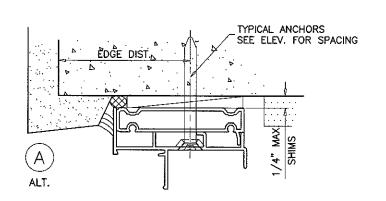
 MIAMI, FLORIDA 33173
 (C.A.N. 3538)

 TEL. (305) 264-8100
 FAX. (305) 262-6978

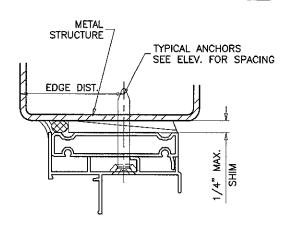
revisions: no date A 11.25.14 B 09.26.17

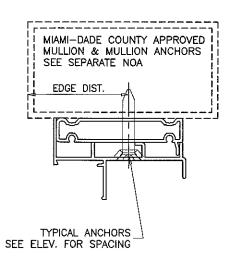
W13 - 08

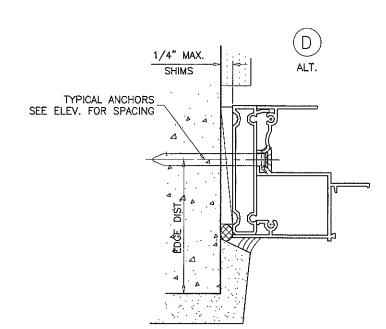
sheet 3 of 5



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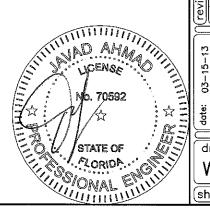




INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 17-1011-24

Expiration Date	06/19/2023
By <u>Sifanc</u> Minani Dada Prov	Zhao
Miani Dade Proc	Suct Commoi



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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 331.73 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W13-FAX (305) 885-5902 ECO-GUARD SERIES-100 ALUM S.H. WDW.

ECO WINDOW SYSTEMS, I
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885

W 12-00 sheet 4 of 5

