

# 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 300" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W09-20**, titled "Eco-Guard Series-300 Alum Fixed Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 03/23/09, with revision **E** dated 10/19/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

## MISSILE IMPACT RATING: Large and 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 NOA# 15-0715.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROYED

5.2. 01/05/2018

NOA No. 17-1102.20 Expiration Date: June 17, 2019 Approval Date: January 11, 2018

Page 1

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA#09-0413.08)
- 2. Drawing No W09-20, titled "Eco-Guard Series-300 Alum. Fixed Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 03/23/09, with revision E dated 10/19/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

### B. TESTS

- 1. 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 along with installation diagram of a 97 1/4" wide x 96 1/8" high Eco-Guard series 300 aluminum double fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2192A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- 2. 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 97 1/4" wide x 96 1/8" high Eco-Guard series 300 aluminum double fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-08-2192B, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- 3. 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
  - along with installation diagram of a 48 1/4" wide x 96 3/8" high Eco-Guard series 300 aluminum circular arch top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2193A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- **4.** 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 48 1/4" wide x 96 3/8" high Eco-Guards 300 aluminum circular arch top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2193B**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)
- **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 47 5/8" wide x 96" high Eco-Guard series 300 aluminum triangular top fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2194**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

    Sifang Zhao

Sifang Zhao, P.E. Product Control Examiner NOA No. 17-1102.20 Expiration Date: June 17, 2019 Approval Date: January 11, 2018

### Eco Window Systems, LLC.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## B. TESTS (CONTINUED)

- **6.** 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

along with installation diagram of a 50 5/8" wide x 63 1/4" high Eco-Guard series 300 aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-08-2195A**, dated 01/15/09, signed and sealed by Candido F. Font, P.E. (Submitted under NOA#09-0413.08)

## C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 6<sup>th</sup> **Edition (2017)**, dated 10/13/17, 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. 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.
- 2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.

#### F. STATEMENTS

1. Statement letter of conformance, complying with FBC 5<sup>th</sup> Edition (2014), with FBC 6<sup>th</sup> Edition (2017), and of no financial interest, dated October 13, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

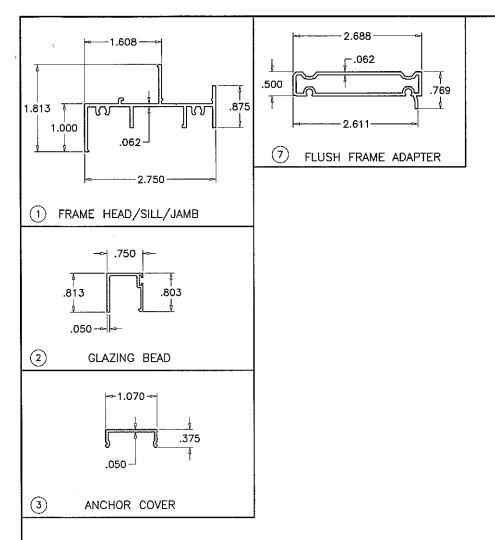
## G. OTHER

1. Notice of Acceptance No. **15-0715.10**, issued to Eco Window Systems, LLC for their Series "Eco-Guard 300" Aluminum Fixed Window – L.M.I., approved on 09/03/15 and expiring on 06/17/19.

Sifang Zhao

Sifang Zhao, P.E. Product Control Examiner NOA No. 17-1102.20 Expiration Date: June 17, 2019

Approval Date: January 11, 2018



# ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED 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.

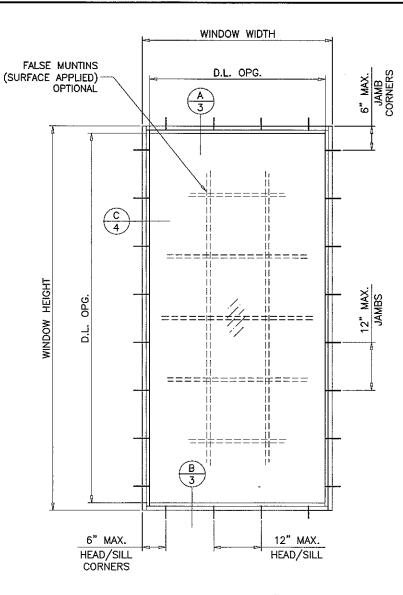
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.



#### TYPICAL ELEVATION

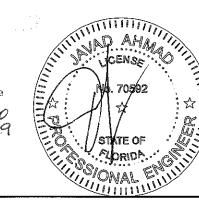
GLASS D.L.O. DIMS.

D.L.O. HEIGHT = WINDOW HEIGHT - 3.625" D.L.O. WIDTH = WINDOW WIDTH -3.625"

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 17-402.20 Expiration Date 06/11/2019

By <u>SI Fang 2 hao</u> Miami Dade Product Control



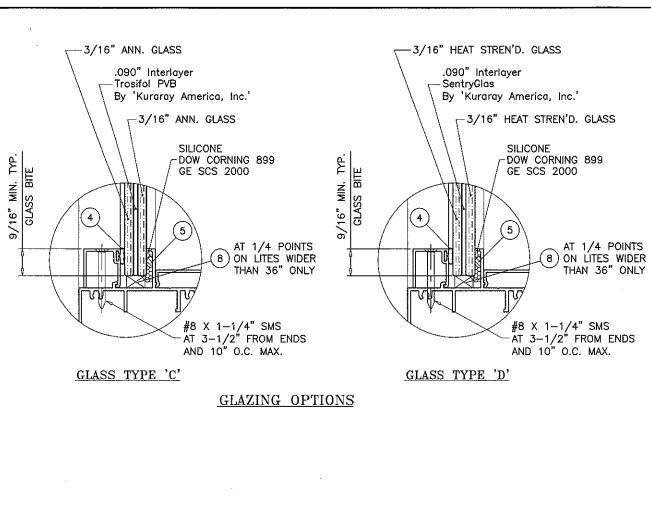
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)

(305)

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

description
REV. PER BCCO COMMEN
UPDATED TO 2010 FBC
MANUF. ADDRESS REV.
UPDATED TO 2014 FBC
UPDATED TO 2017 FBC

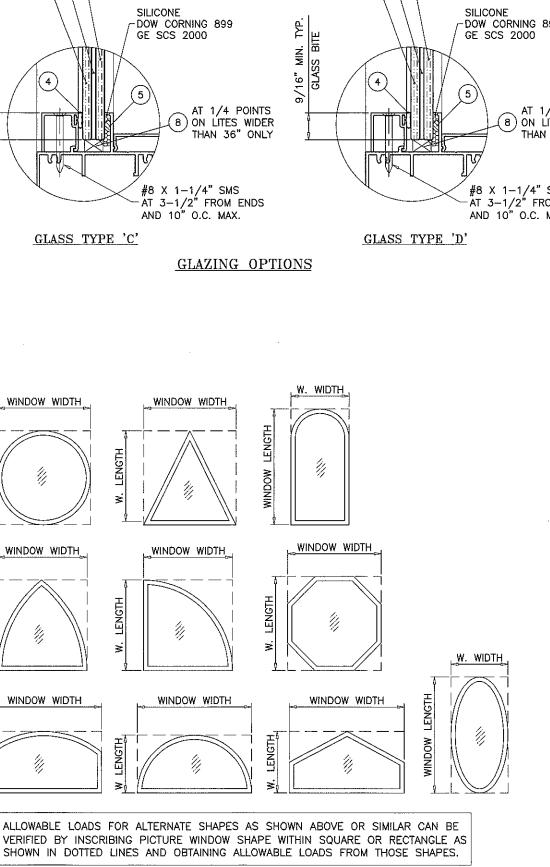


WINDOW WIDTH

WINDOW WIDTH

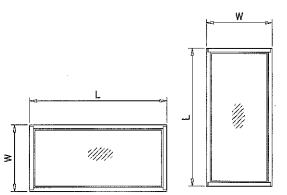
WINDOW WIDTH

LENGTH



	DES	IGN LOAD	CAPACITY -	- PSF	
WINDO	W DIMS.	GLASS T		GLASS T	YPE 'D'
	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"		75.0	80.0	80.0	90.0
42"	36"	75.0	80.0	80.0	90.0
48"		75.0	80.0	80.0	90.0
54"		75.0	80.0	80.0	90.0
60"		75.0	80.0	80.0	90.0
66"		75.0	80.0	80.0	90.0
72"		75.0	80.0	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"		75.0	80.0	80.0	90.0
42"	48"	75.0	80.0	80.0	90.0
48"		75.0	80.0	80.0	90.0
54"	[	75.0	80.0	80.0	90.0
60"		75.0	80.0	80.0	90.0
66"		75.0	80.0	80.0	90.0
72"		75.0	76.6	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"		75.0	80.0	80.0	90.0
42"	60"	75.0	80.0	80.0	90.0
48"		75.0	80.0	80.0	90.0
54"		66.8	71.3	80.0	90.0
60"		60.2	64.2	80.0	90.0
66"		60.2	64.2	80.0	90.0
72"		60.2	64.2	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"		75.0	80.0	80.0	90.0
42"	72"	75.0	80.0	80.0	90.0
48"		75.0	76.6	80.0	90.0
54"		66.8	71.3	80.0	90.0
60"		60.2	64.2	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"	84"	75.0	80.0	80.0	90.0
42"		70.0	70.0	80.0	90.0
48"		65.6	65.6	80.0	90.0
54"		64.3	64.3	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"		75.0	80.0	80.0	90.0
36"	96"	75.0	76.2	80.0	90.0
42"		64.6	64.6	80.0	90.0
48"		59.9	59.9	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"	108"	75.0	80.0	80.0	90.0
36"	.00	74.5	74.5	80.0	90.0
42"		61.5	61.5	80.0	90.0
24"		75.0	80.0	80.0	90.0
30"	120"	75.0	80.0	80.0	90.0
36"		74.5	74.5	80.0	90.0

	DES	IGN LOAD	CAPACITY -	- PSF	
WINDO	W DIMS.	GLASS I	YPE 'C'	GLASS T	YPE 'D'
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
26-1/2"		75.0	80.0	80.0	90.0
37"	26"	75.0	80.0	80.0	90.0
53-1/8"	20	75.0	80.0	80.0	90.0
74"		75.0	80.0	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	38-3/8"	75.0	80.0	80.0	90.0
53-1/8"	30-3/0	75.0	80.0	80.0	90.0
74"		75.0	80.0	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	50-5/8"	75.0	80.0	80.0	90.0
53-1/8"	00-3/0	71.3	76.0	80.0	90.0
74"		71.3	73.1	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	63"	75.0	80.0	80.0	90.0
53-1/8"		67.9	72.5	80.0	90.0
26-1/2"		75.0	80.0	80.0	90.0
37"	76"	75.0	80.0	80.0	90.0
53-1/8"		67.9	69.9	80.0	90.0
				1AJ	



WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).

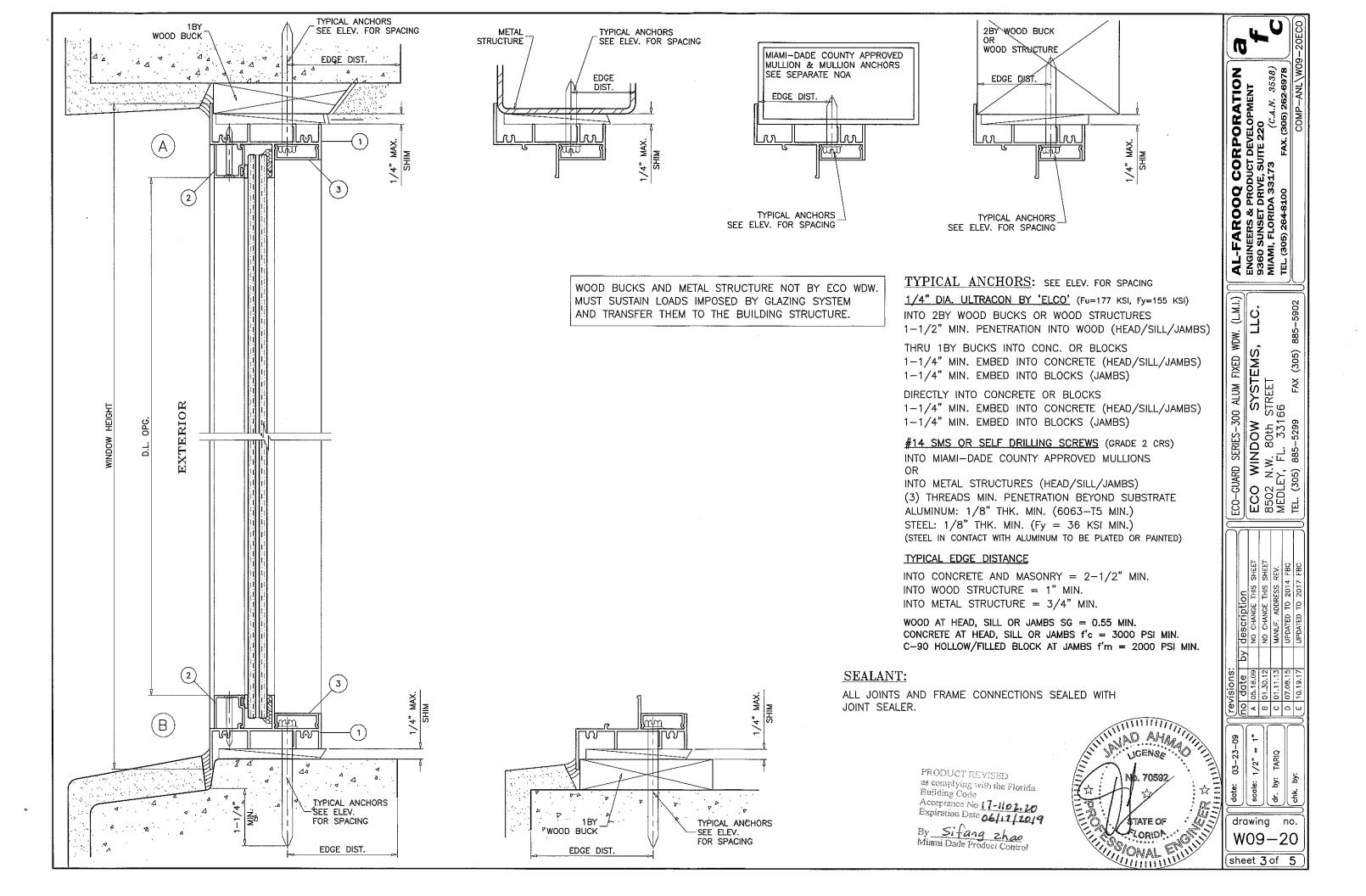
PRODUCTREVISED as complying with the Florida Z Building Code
Acceptance No. 17-1102-20
Expiration Data 06/11/2019 By Sifang 2hao Miami Dade Product Control

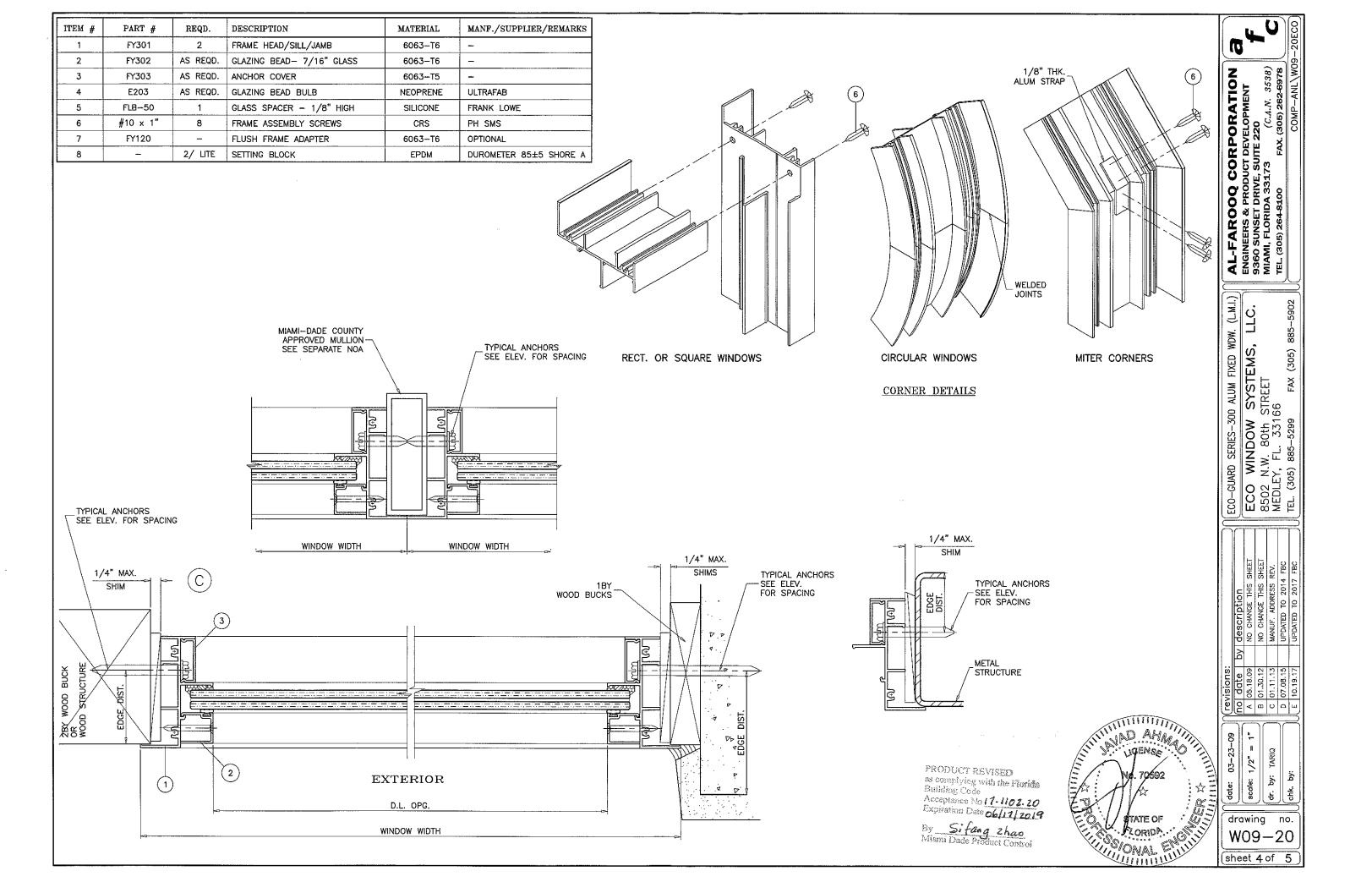
3-23-09	<u> </u>	revisions:			OFFCO-GUARD SFRIFS-300 ALUM FIXED WOW. (L.)
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/2"-1'-0"	<	A 05,18,09		REV. PER BCCO COMMENTS	ECO WINDOW SYSTEMS, LLC
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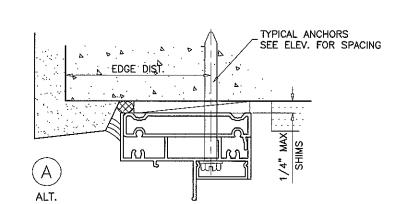
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

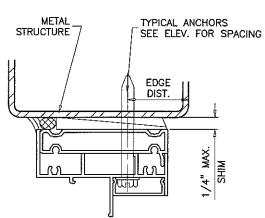
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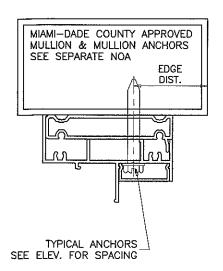
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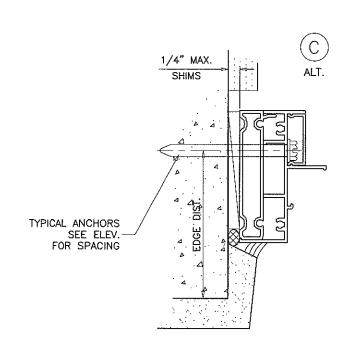


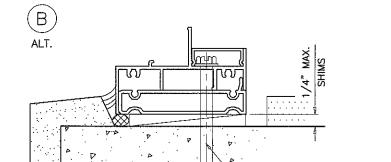












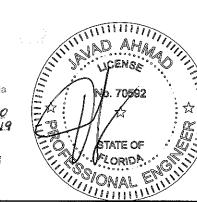
EDGE DIST.

TYPICAL ANCHORS SEE ELEV. FOR SPACING

# INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 17-1102.20 Expiration Date 06/11/2019

By <u>Sifang 2hap</u> Miami Dade Product Control



by description  NO CHANGE THIS  NO CHANGE THIS  MANUF. ADDRESS  NO CHANGE THIS
--

(C.A.N. 3538) FAX. (305) 262-6978 COMP—ANL\W09

FAX (305) 885-5902

ECO-GUARD SERIES-300 ALUM FIXED WDW.

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

 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

(L.M.I.)

drawing no. W09-20 sheet 5 of 5