



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

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 "350" Aluminum Fixed Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W17-27**, titled "Series-350 Aluminum Fixed Window (L.M.I.)", sheets 1 through 6 of 6, dated 03/08/17, with revision **B** dated 11/05/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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.

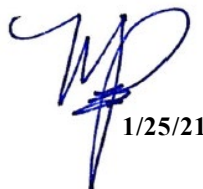
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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 No. 17-0615.01** 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 **Manuel Perez, P.E.**



  
1/25/21

NOA No. 20-1203.04  
Expiration Date: October 26, 2022  
Approval Date: February 04, 2021  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 17-0615.01)*
2. Drawing No. **W17-27**, titled "Series-350 Aluminum Fixed Window (L.M.I.)", sheets 1 through 6 of 6, dated 03/08/17, with revision **A** dated 09/19/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under NOA No. 17-0615.01)*

**B. TESTS**

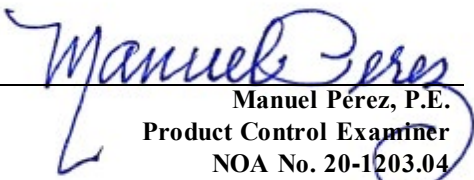
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Small Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
7) Forced Entry Resistance Test per FBC, TAS 202-94  
8) Drop Load Test, per CPCS 16 CFR 1201 (Cat 11) and ANSI Z97.1  
(Class and A)(400 foot-pound impact)  
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9404**, dated 03/01/17, signed and sealed by Idalmis Ortega, P.E.  
*(Submitted under NOA No. 17-0615.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>th</sup> Edition (2017)**, dated 06/13/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under NOA No. 17-0615.01)*
2. Glazing complies with **ASTM E1300-02, 04 & 09**.

**D. QUALITY ASSURANCE**

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

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-1203.04  
Expiration Date: October 26, 2022  
Approval Date: February 04, 2021

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**

**E. MATERIAL CERTIFICATIONS**

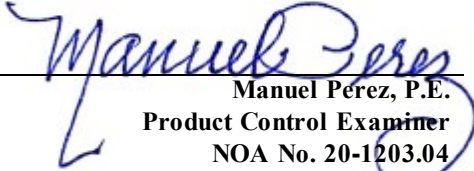
1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear 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), FBC 6<sup>th</sup> Edition (2017)** and of no financial interest, dated October 17, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
***(Submitted under NOA No. 17-0615.01)***
2. Test Proposal issued by the Product Control Section, dated 12/16/16 and revised on 12/20/16, signed by Manuel Perez, P.E.  
***(Submitted under NOA No. 17-0615.01)***

**G. OTHERS**

1. None.

  
\_\_\_\_\_  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-1203.04  
Expiration Date: October 26, 2022  
Approval Date: February 04, 2021

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W17-27**, titled “Series-350 Aluminum Fixed Window (L.M.I.)”, sheets 1 through 6 of 6, dated 03/08/17, with revision **B** dated 11/05/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, **FBC 6<sup>th</sup> Edition (2017)**, dated 06/13/17 and further updated on 10/26/20 to comply with **FBC 7<sup>th</sup> Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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**

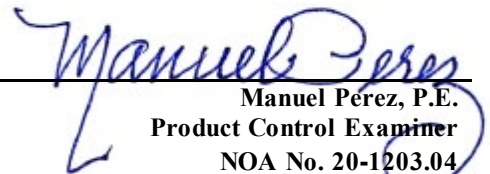
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**” dated 05/23/19, expiring on 05/23/24.

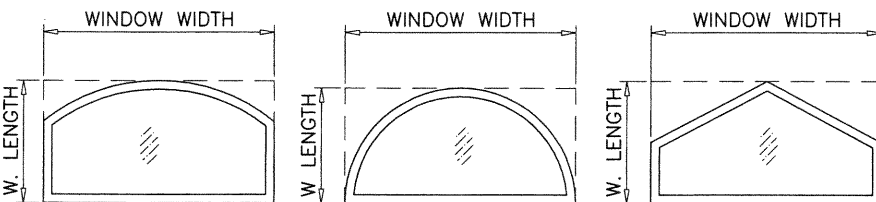
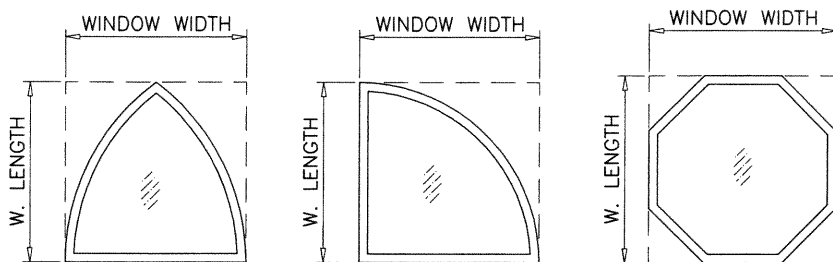
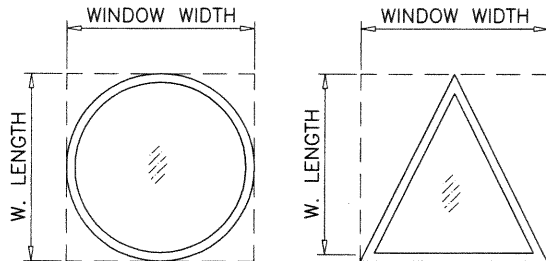
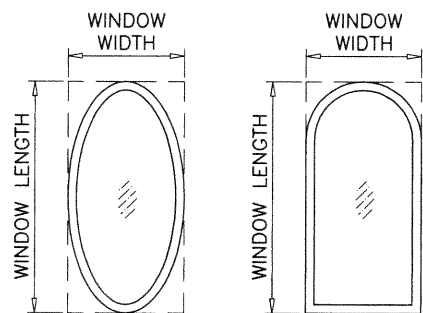
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)**, with **FBC 7<sup>th</sup> Edition (2020)** and of no financial interest, dated October 26, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **17-0615.01**, issued to Eco Window Systems, LLC for their Series “350” Aluminum Fixed Window – L.M.I. approved on 10/26/17 and expiring on 10/26/22.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-1203.04  
Expiration Date: October 26, 2022  
Approval Date: February 04, 2021



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-1203.04**  
Expiration Date: **10/26/2022**  
By: *Manuel Fernandez*  
**Miami-Dade Product Control**

**SERIES 350**  
**ALUMINUM FIXED WINDOW (L.M.I.)**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER WINDOW (UNDER SEPARATE APPROVAL) 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. AHJ TO REVIEW SUCH APPLICATION AND VERIFY TRIBUTARY LOAD AND END LOAD ANCHORS.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH 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.

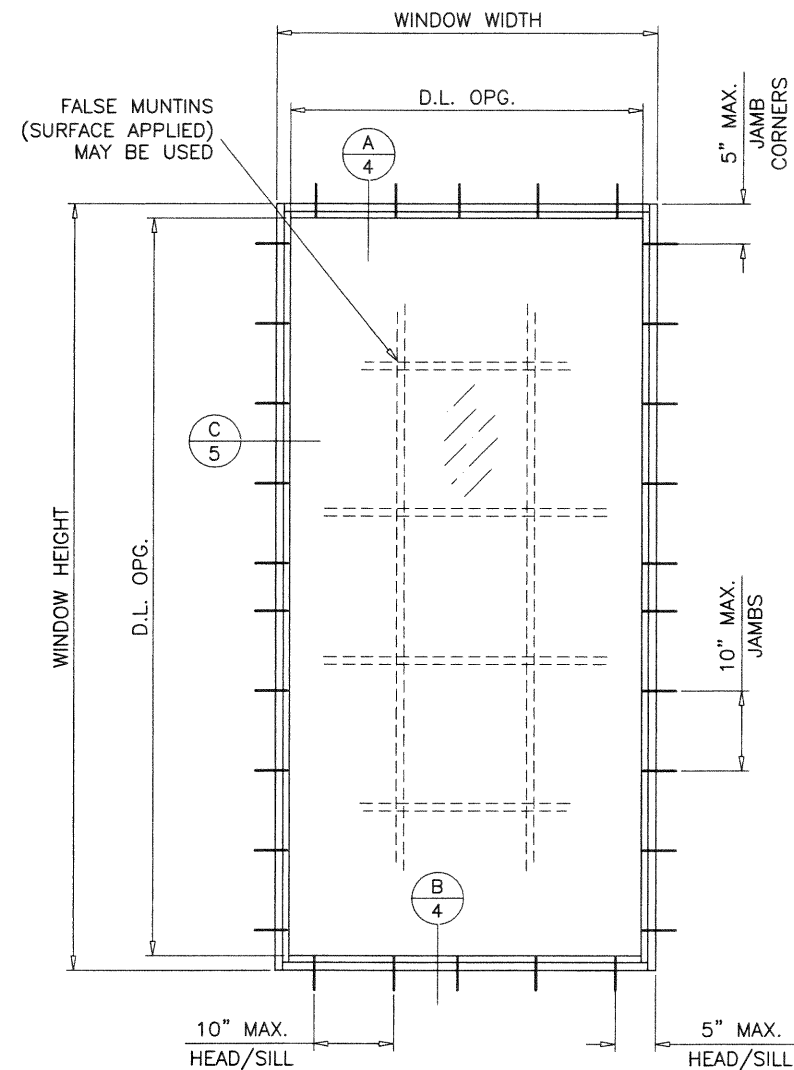
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 2017/2020 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.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



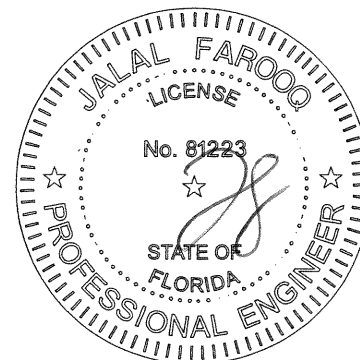
**TYPICAL ELEVATION**

GLASS D.L.O. DIMS.

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

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

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



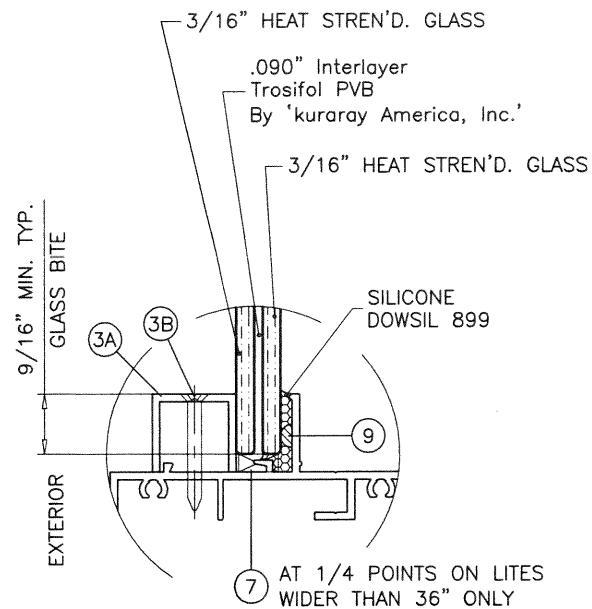
NOV 10 2020

**afC**  
**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  
COMP-ANL\W17-27ECO

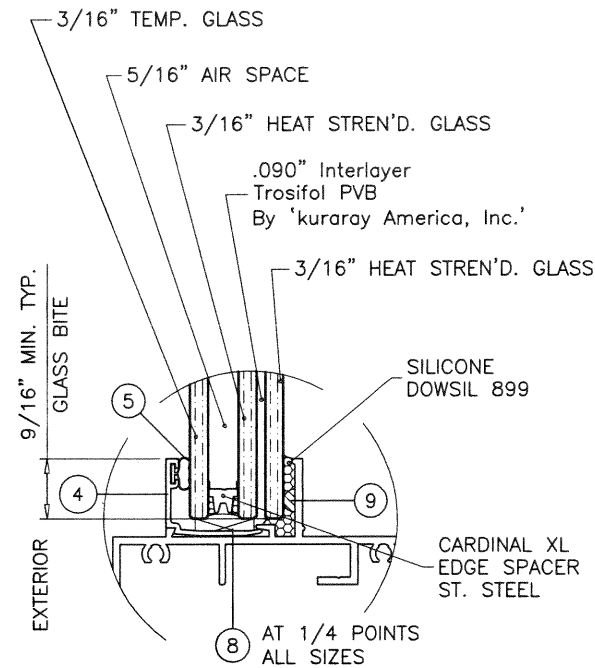
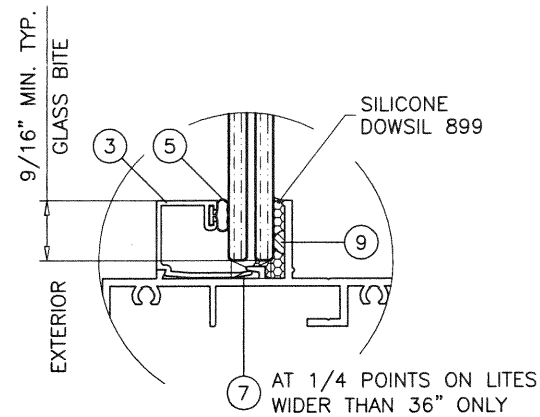
SERIES-350 ALUMINUM FIXED WINDOW (L.M.I.)  
**ECO WINDOW SYSTEMS, LLC.**  
8502 N.W. 80th STREET  
MEDLEY, FL. 33166  
TEL. (305) 885-5299 FAX (305) 885-5902

revisions:		date		by description	
no	date	no	date	no	date
A	09.19.17	1	09.19.17	1	09.19.17
B	11.05.20	2	11.05.20	2	11.05.20
date: 03-08-17		scale: 1/2"=1'-0"		dr. by: TARIQ	
drawing no.		chk. by:		drawing no.	
W17-27				sheet 1 of 6	

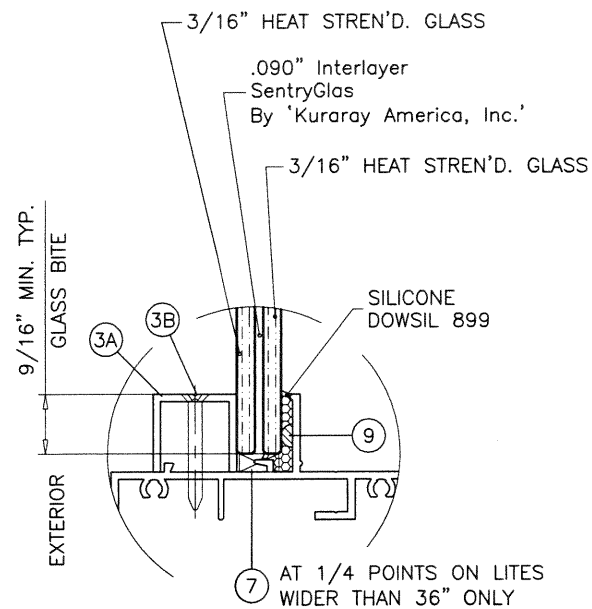
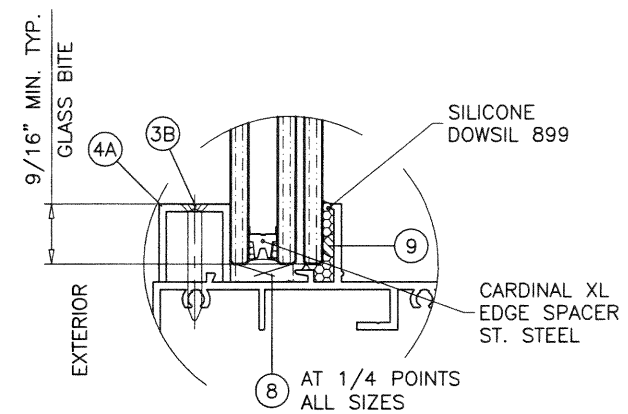




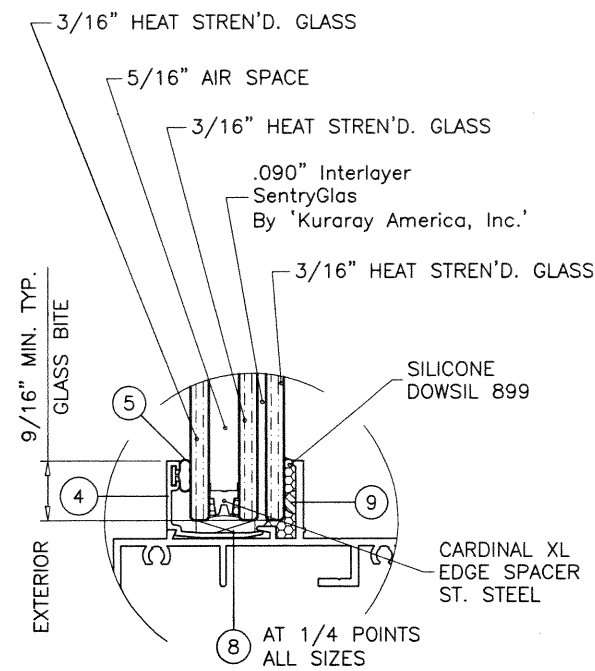
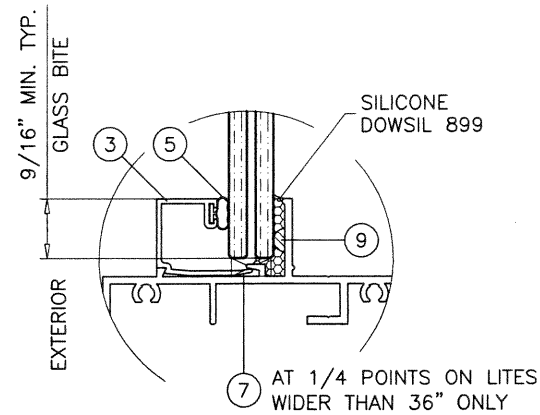
**GLASS TYPE 'G2'**  
7/16" OVERALL LAM. GLASS



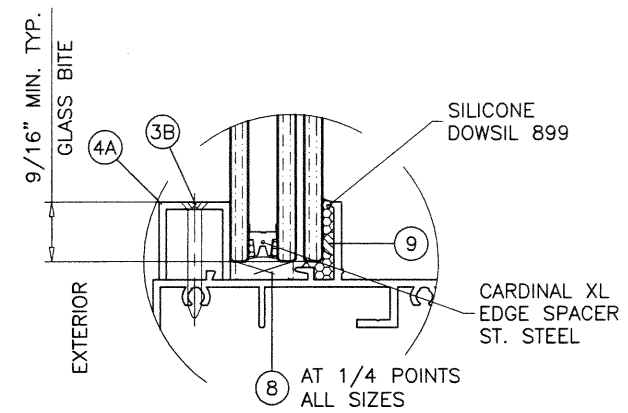
**GLASS TYPE 'G2i'**  
15/16" OVERALL INSUL. LAM. GLASS



**GLASS TYPE 'G1'**  
7/16" OVERALL LAM. GLASS



**GLASS TYPE 'G1i' \***  
15/16" OVERALL INSUL. LAM. GLASS



**GLAZING OPTIONS**

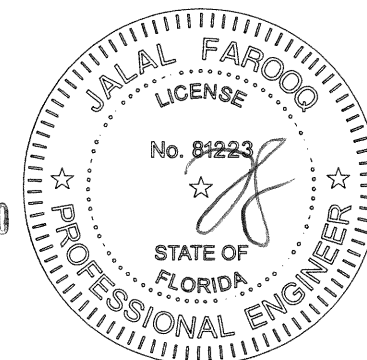
\*

NOTE:

EXTERIOR PLY OF GLASS TYPE 'G1i' MUST BE TEMPERED TO QUALIFY FOR SMALL MISSILE IMPACT LOCATION.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-1203.04**  
Expiration Date: **10/26/2022**  
By: *Manuel Perez*  
Miami-Dade Product Control

NOV 10 2020



**af c**  
**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  
COMP-ANL W17-27ECO

SERIES-350 ALUMINUM FIXED WINDOW (L.M.I.)  
**ECO WINDOW SYSTEMS, LLC.**  
8502 N.W. 80th STREET  
MEDLEY, FL. 33166  
TEL. (305) 885-5299 FAX (305) 885-5902

revisions:	no	date	by	description
	A	09.19.17		REV. PER COMMENTS
	B	11.05.20		UPDATED TO 2020 FBC

date: 03-08-17	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
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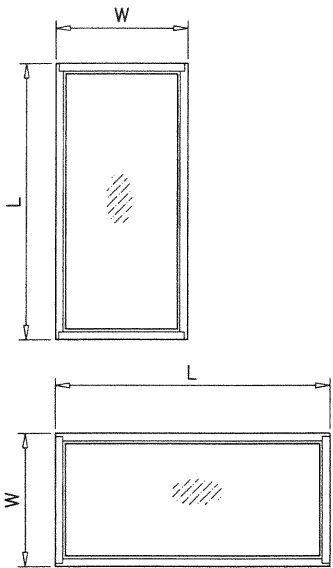
drawing no.  
**W17-27**  
sheet 2 of 6

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPES 'G2' & 'G2i'		GLASS TYPE 'G1'		GLASS TYPE 'G1i'	
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
24"	42"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	80.0	90.0	75.0	105.0
54"		75.0	75.0	80.0	90.0	75.0	105.0
60"		75.0	75.0	80.0	90.0	75.0	105.0
63-1/4"		75.0	75.0	80.0	90.0	75.0	105.0
66"	48"	75.0	75.0	80.0	90.0	75.0	105.0
72"		75.0	75.0	80.0	90.0	75.0	105.0
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	90.0	65.6	91.9
54"		75.0	75.0	75.0	90.0	65.6	91.9
60"		75.0	75.0	75.0	90.0	65.6	91.9
63-1/4"		75.0	75.0	75.0	90.0	65.6	91.9
66"		75.0	75.0	75.0	90.0	65.6	91.9
72"		75.0	75.0	75.0	90.0	65.6	91.9
24"	54"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	90.0	65.6	91.9
54"		66.7	66.7	75.0	87.8	58.3	81.7
60"		66.7	66.7	75.0	87.8	58.3	81.7
63-1/4"		66.7	66.7	75.0	87.8	58.3	81.7
66"	60"	66.7	66.7	75.0	75.0	-	-
72"		66.7	66.7	75.0	75.0	-	-
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	90.0	65.6	91.9
54"		66.7	66.7	75.0	87.8	58.3	81.7
60"		60.0	60.0	75.0	75.0	-	-
63-1/4"		60.0	60.0	75.0	75.0	-	-
66"	66"	60.0	60.0	75.0	75.0	-	-
72"		60.0	60.0	75.0	75.0	-	-
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	90.0	65.6	91.9
54"		66.7	66.7	75.0	75.0	-	-
60"		60.0	60.0	75.0	75.0	-	-
63-1/4"	72"	56.9	56.9	75.0	75.0	-	-
66"		54.5	54.5	71.9	71.9	-	-
72"		-	-	71.9	71.9	-	-
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	90.0	65.6	91.9
54"		66.7	66.7	75.0	75.0	-	-
60"		60.0	60.0	75.0	75.0	-	-
63-1/4"		56.9	56.9	75.0	75.0	-	-
66"	72"	-	-	71.9	71.9	-	-
72"		-	-	65.9	65.9	-	-

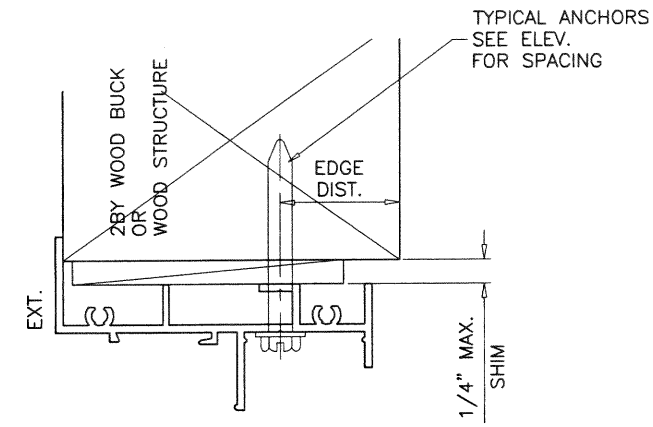
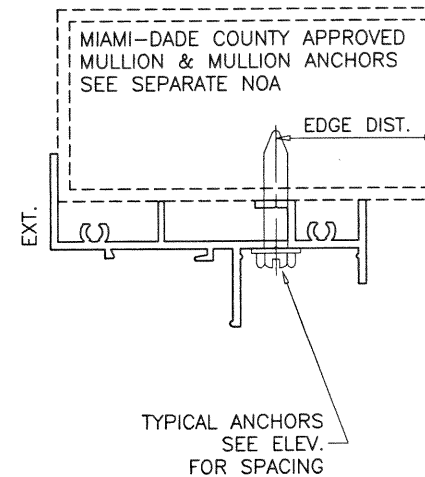
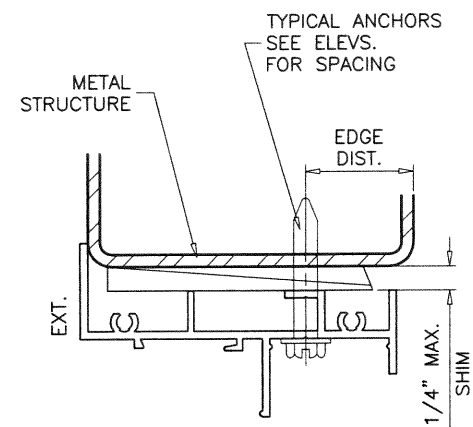
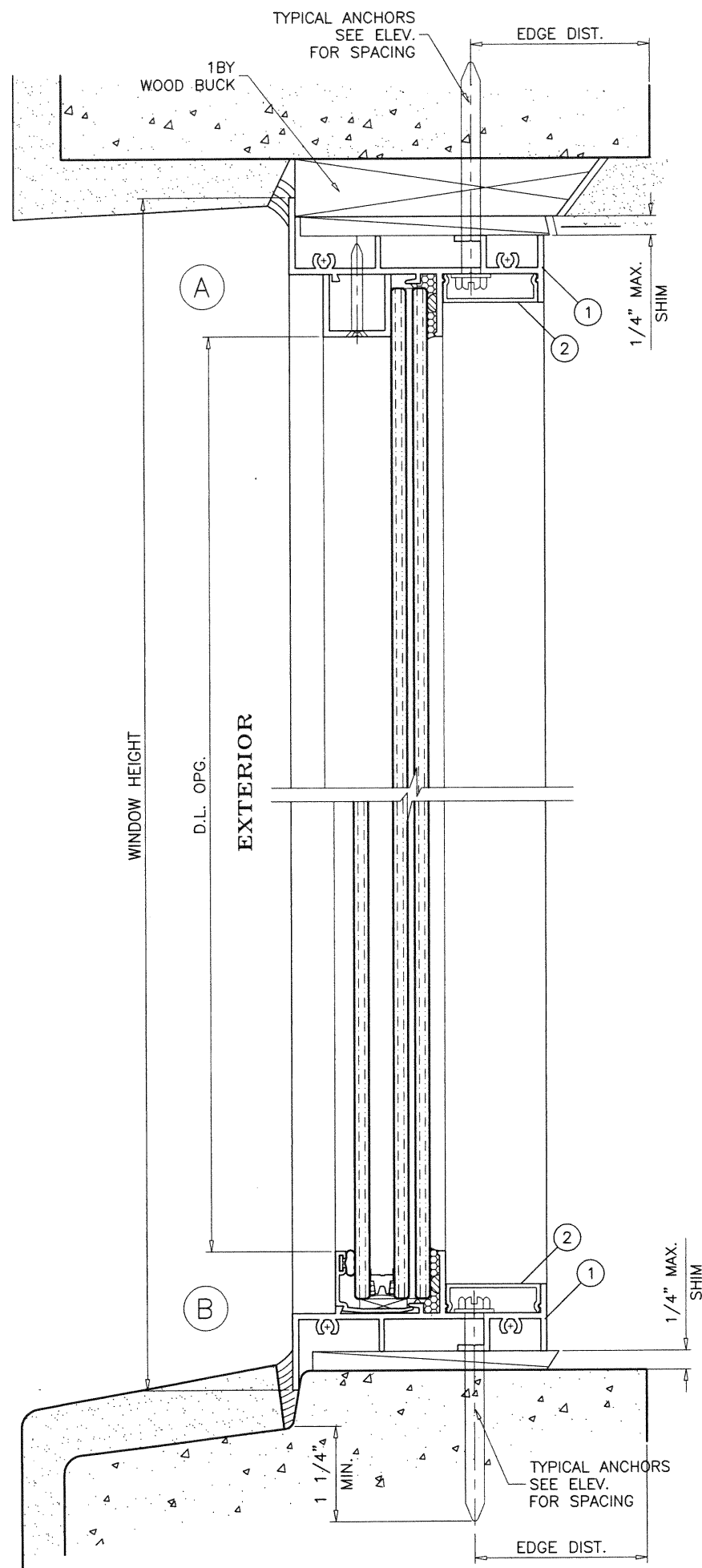
DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPES 'G2' & 'G2i'		GLASS TYPE 'G1'		GLASS TYPE 'G1i'	
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
24"	78"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	75.0	-	-
54"		66.7	66.7	75.0	75.0	-	-
60"		-	-	75.0	75.0	-	-
63-1/4"		-	-	71.9	71.9	-	-
66"	84"	-	-	65.9	65.9	-	-
72"		75.0	75.0	80.0	90.0	75.0	105.0
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	80.0	90.0	75.0	105.0
48"		75.0	75.0	75.0	75.0	-	-
54"		66.7	66.7	75.0	75.0	-	-
60"		-	-	75.0	75.0	-	-
63-1/4"	90"	-	-	71.9	71.9	-	-
66"		-	-	65.9	65.9	-	-
72"		75.0	75.0	80.0	90.0	75.0	105.0
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	80.0	90.0	75.0	105.0
42"		75.0	75.0	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"		-	-	75.0	75.0	-	-
60"	96"	-	-	75.0	75.0	-	-
63-1/4"		-	-	71.9	71.9	-	-
66"		75.0	75.0	80.0	90.0	75.0	105.0
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	75.0	75.0	-	-
42"		75.0	75.0	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"	102"	-	-	75.0	75.0	-	-
60"		-	-	75.0	75.0	-	-
63-1/4"		-	-	75.0	75.0	-	-
24"		75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	75.0	75.0	-	-
42"		75.0	75.0	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"	103-1/4"	-	-	75.0	75.0	-	-
60"		-	-	75.0	75.0	-	-
63-1/4"		-	-	75.0	75.0	-	-

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPES 'G2' & 'G2i'		GLASS TYPE 'G1'		GLASS TYPE 'G1i'	
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
24"	108"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	75.0	75.0	-	-
42"		75.0	75.0	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"		-	-	75.0	75.0	-	-
60"		-	-	75.0	75.0	-	-
24"	114"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	80.0	90.0	75.0	105.0
36"		75.0	75.0	75.0	75.0	-	-
42"		-	-	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"		-	-	75.0	75.0	-	-
24"	120"	75.0	75.0	80.0	90.0	75.0	105.0
30"		75.0	75.0	75.0	75.0	-	-
36"		75.0	75.0	75.0	75.0	-	-
42"		-	-	75.0	75.0	-	-
48"		-	-	75.0	75.0	-	-
54"		-	-	75.0	75.0	-	-

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPES 'G2' & 'G2i'		GLASS TYPE 'G1'		GLASS TYPE 'G1i'	
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	38-3/8"	75.0	75.0	80.0	90.0	75.0	105.0
26-1/2"		75.0	75.0	80.0	90.0	75.0	105.0
32"		75.0	75.0	80.0	90.0	75.0	105.0
37"		75.0	75.0	80.0	90.0	75.0	105.0
53-1/8"		75.0	75.0	80.0	90.0	75.0	105.0
63"		75.0	75.0	80.0	90.0	75.0	105.0
19-1/8"	50-5/8"	75.0	75.0	80.0	90.0	75.0	105.0
26-1/2"		75.0	75.0	80.0	90.0	75.0	105.0
32"		75.0	75.0	80.0	90.0	75.0	105.0
37"		75.0	75.0	80.0	90.0	75.0	105.0
53-1/8"		71.1	71.1	75.0	90.0	62.2	87.1
63"		71.1	71.1	75.0	90.0	62.2	87.1
19-1/8"	63"	75.0	75.0	80.0	90.0	75.0	105.0
26-1/2"		75.0	75.0	80.0	90.0	75.0	105.0
32"		75.0	75.0	80.0	90.0	75.0	105.0
37"		75.0	75.0	80.0	90.0	75.0	105.0
53-1/8"		67.8	67.8	75.0	89.3	59.3	83.0
63"		57.1	57.1	75.0	75.0	-	-
19-1/8"	74-1/4"	75.0	75.0	80.0	90.0	75.0	105.0
26-1/2"		75.0	75.0	80.0	90.0	75.0	105.0
32"		75.0	75.0	80.0	90.0	75.0	105.0
37"		75.0	75.0	80.0	90.0	75.0	105.0
53-1/8"		67.8	67.8	75.0	75.0	-	-
63"		-	-	75.0	75.0	-	-
19-1/8"	96"	75.0	75.0	80.0	90.0	75.0	105.0
26-1/2"		75.0	75.0	80.0	90.0	75.0	105.0
32"		75.0	75.0	80.0	90.0	75.0	105.0
37"		75.0	75.0	75.0	75.0	-	-
53-1/8"		-	-	75.0	75.0	-	-
63"		-	-	75.0	75.0	-	-

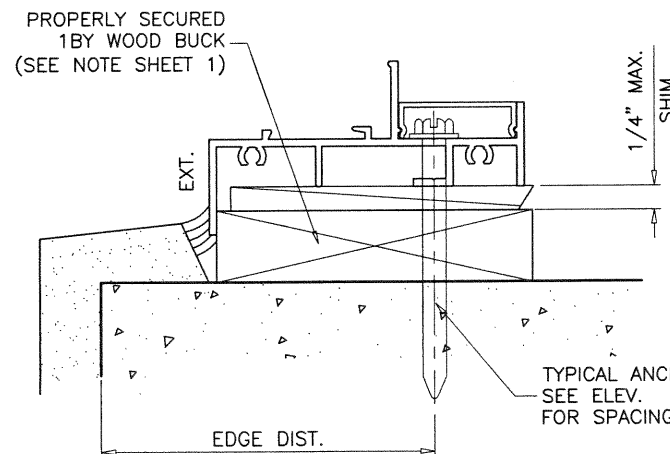




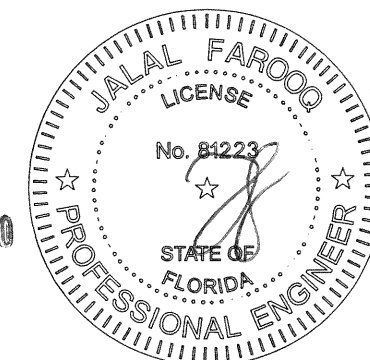


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS) THRU 1BY BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
 1-1/4" MIN. EMBED INTO MASONRY (JAMBS)  
 DIRECTLY INTO CONCRETE OR MASONRY  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
 1-3/4" MIN. EMBED INTO FILLED BLOCK (JAMBS)  
**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS)  
 (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE  
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)  
**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.  
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
 C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



**PRODUCT REVISED**  
 as complying with the Florida Building Code  
**NOA-No. 20-1203.04**  
**Expiration Date: 10/26/2022**  
 By: *Manuel Perez*  
 Miami-Dade Product Control



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

COMP-ANL W17-27ECO

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SERIES-350 ALUMINUM FIXED WINDOW (L.M.I.)

**ECO WINDOW SYSTEMS, LLC.**  
 8502 N.W. 80th STREET  
 MEDLEY, FL. 33166  
 TEL. (305) 885-5299 FAX (305) 885-5902

revisions:

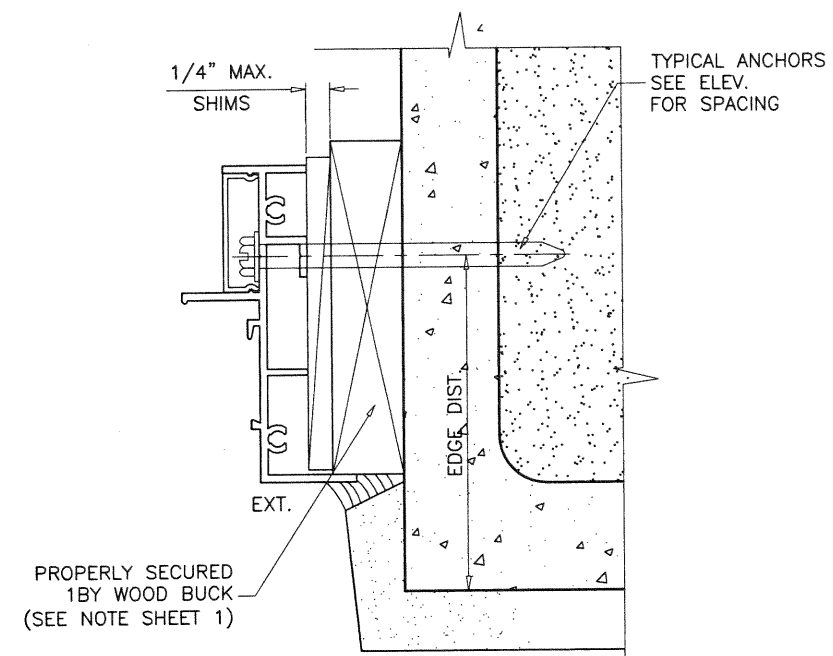
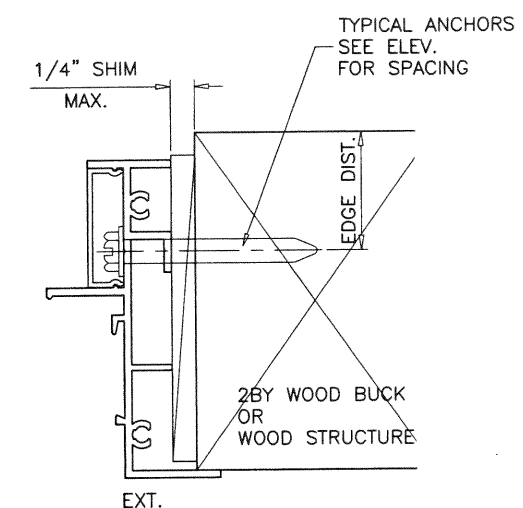
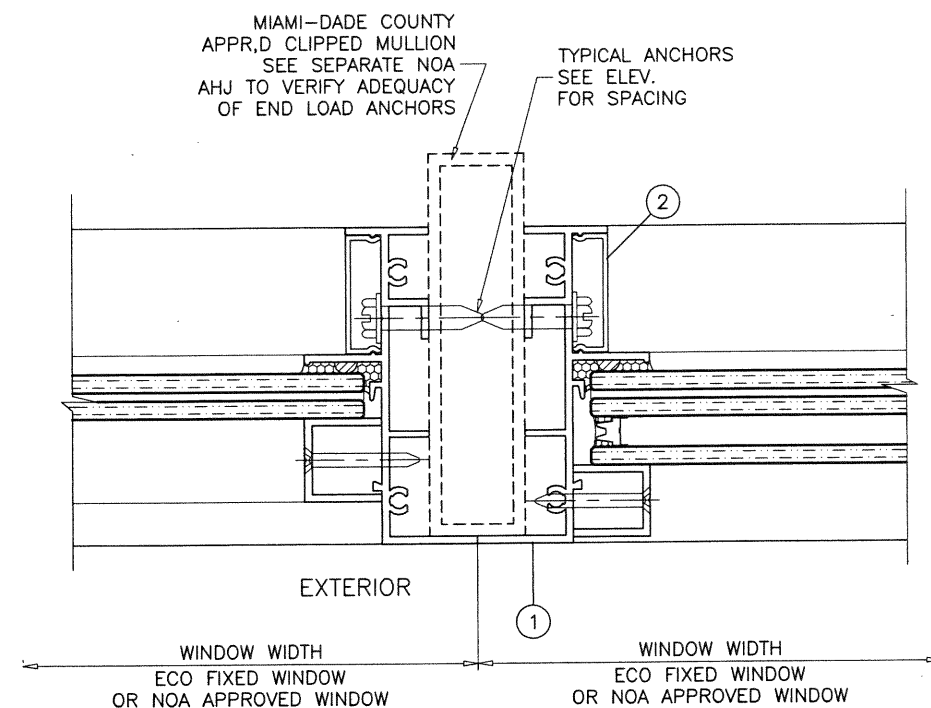
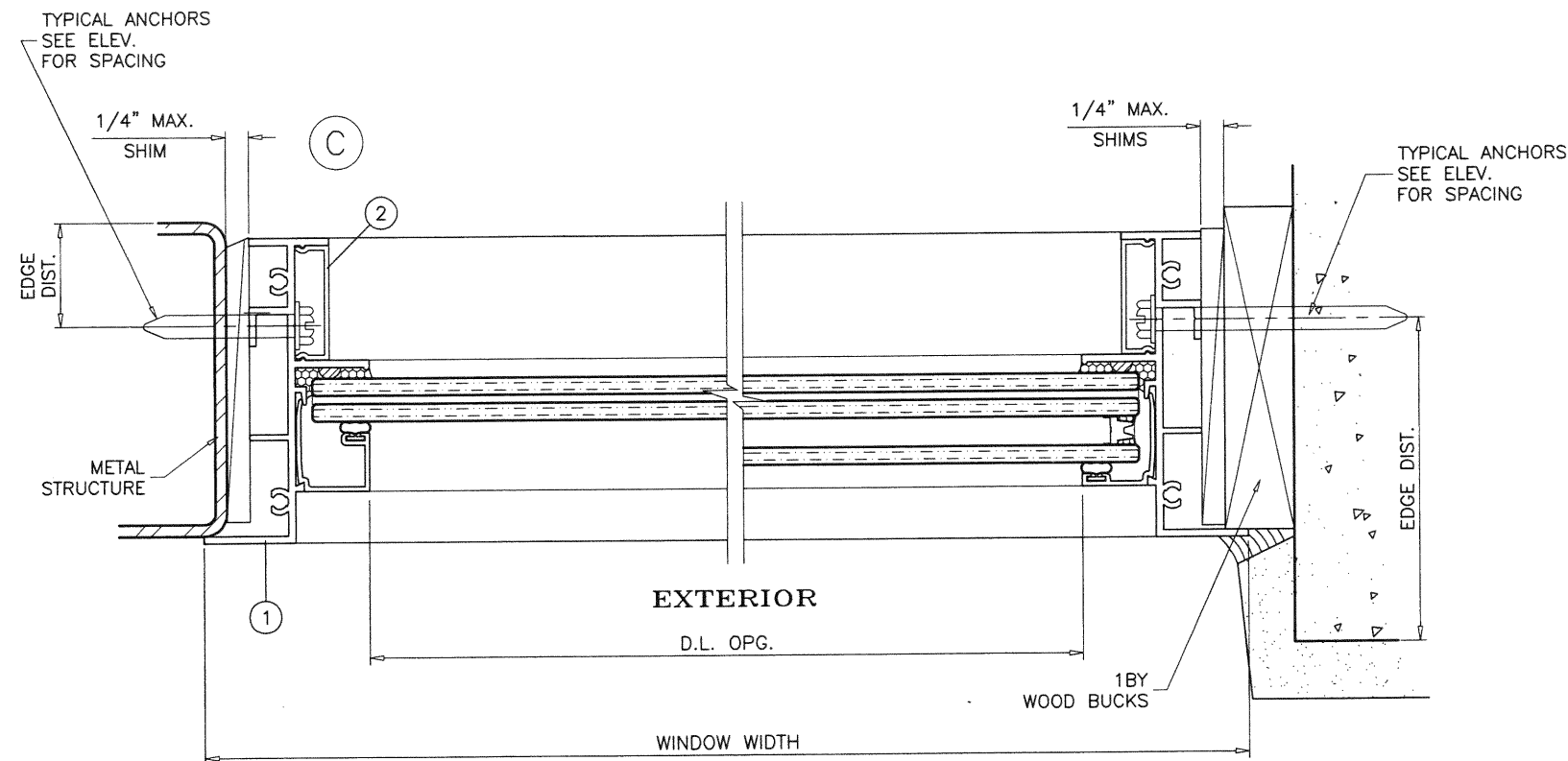
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B	11.05.20	UPDATED TO 2020 FBC	

date: 03-08-17  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:

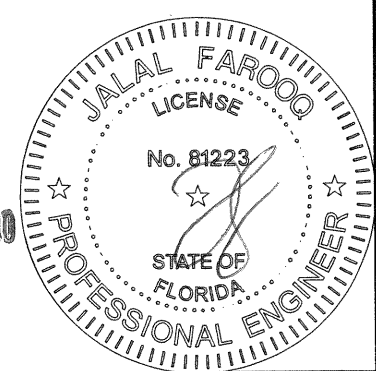
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drawing no. **W17-27**  
 sheet 4 of 6





**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-1203.04** NOV 10 2020  
Expiration Date: **10/26/2022**  
By: *Manuel Perez*  
Miami-Dade Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
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**ECO WINDOW SYSTEMS, LLC.**  
8502 N.W. 80th STREET  
MEDLEY, FL. 33166  
TEL (305) 885-5299 FAX (305) 885-5902

SERIES-350 ALUMINUM FIXED WINDOW (L.M.I.)

COMP-ANL\W17-27ECO

revisions:		date		description	
no	date	by	description	rev.	per
A	09.19.17				REV. PER RER COMMENTS
B	11.05.20				UPDATED TO 2020 FBC

date: 03-08-17

scale: 1/2" = 1"

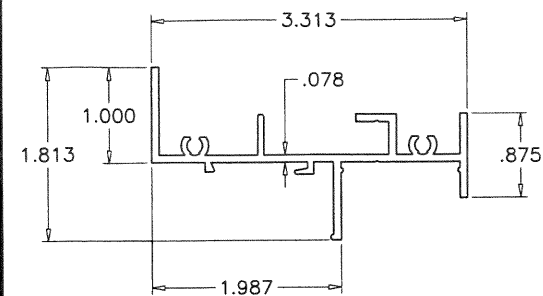
dr. by: TARIQ

chk. by:

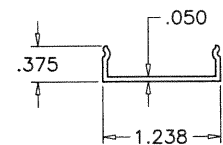
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W17-27

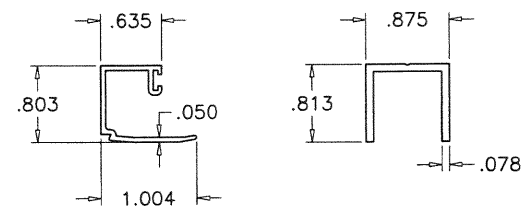
sheet 5 of 6



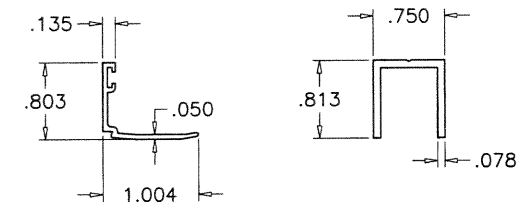
① WINDOW FRAME



② FRAME COVER

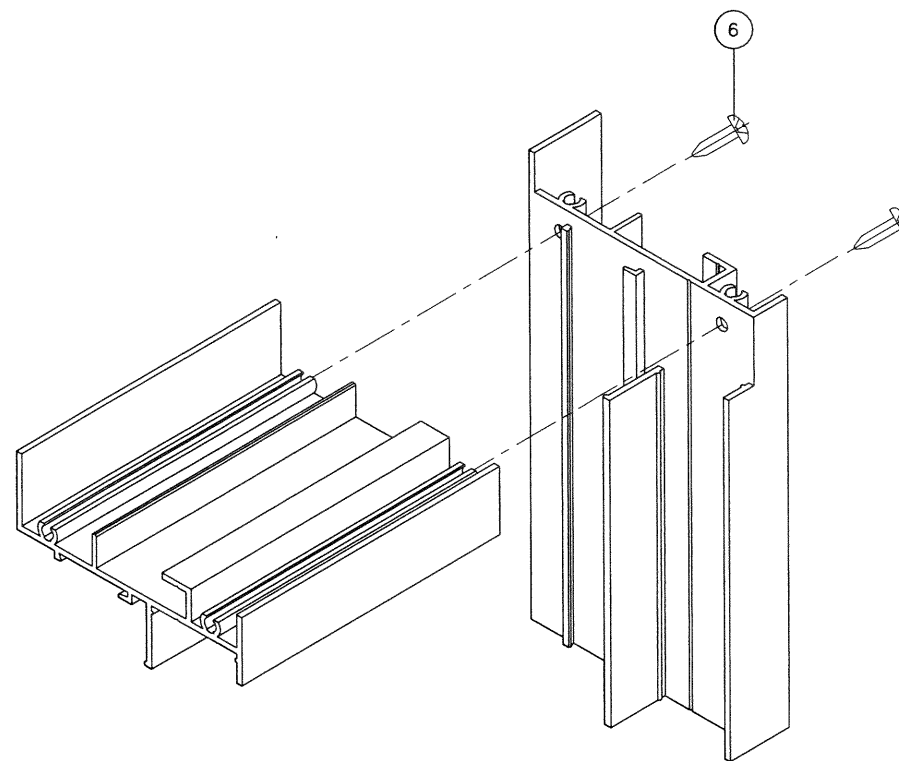


③ GLAZING BEADS (LAM. GLASS)

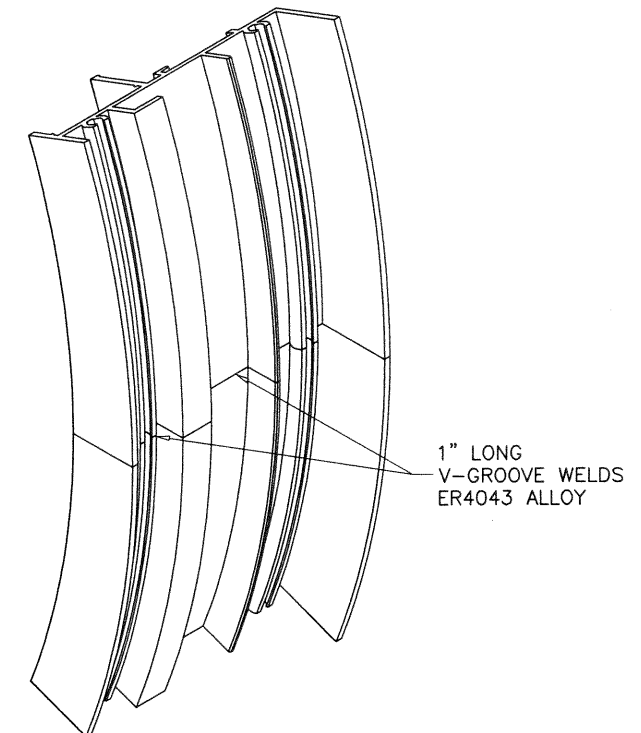


④ GLAZING BEADS (INSUL. LAM. GLASS)

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E351	4	WINDOW FRAME	6063-T6	-
2	E352	4	FRAME COVER	RIGID PVC	-
3	E353	4/ LITE	GLAZING BEAD (LAM. GLASS)	6063-T6	-
3A	E355	4/ LITE	GLAZING BEAD (LAM. GLASS)	6063-T6	-
3B	#8 X 1-1/4"	AS REQD.	BEAD FASTENERS, AT 5" FROM ENDS & 13" O.C. MAX.	ST. STEEL	FH SMS
4	E354	4/ LITE	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
4A	-	4/ LITE	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
5	-	AS REQD.	EXTERIOR GLAZING GASKET	VINYL	DUROMETER 70±5 SHORE A
6	#10 X 1-1/4"	2/ CORNER	ASSEMBLY FASTENERS	ST. STEEL	HWH SMS
7	-	2/ LITE	SETTING BLOCK AT 1/4 POINTS (LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
8	-	2/ LITE	SETTING BLOCK AT 1/4 POINTS (INSUL. LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
9	FLB-50	AS REQD.	GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE



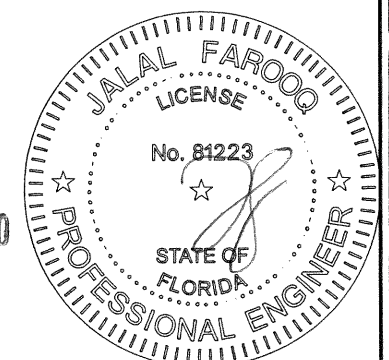
RECT. OR SQUARE WINDOWS



CIRCULAR WINDOWS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-1203.04**  
Expiration Date: **10/26/2022**  
By: *Manuel Perez*  
Miami-Dade Product Control

NOV 10 2020



SERIES-350 ALUMINUM FIXED WINDOW (L.M.I.)

**ECO WINDOW SYSTEMS, LLC.**

8502 N.W. 80th STREET  
MEDLEY, FL. 33166

TEL. (305) 885-5299 FAX (305) 885-5902

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date: 03-08-17  
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dr. by: TARIQ

chk. by:

drawing no.

**W17-27**

sheet 6 of 6

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)  
COMP-ANL\W17-27ECO