

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 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

Eco Window Systems, LLC 9114 NW 106 Street Medley, FL 33178

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 "S- 550" Aluminum Fixed Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. W15-14, titled "S-550 Alum. Fixed Window. (S.M.I.)", sheets 1 through 6 of 6, dated 03/27/15 with Revision "A" dated 06/10/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Acceptance stamp with the Notice of Acceptance number and approval 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 consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.



NOA No. 15-0914.10 Expiration Date: June 23, 2021 Approval Date: June 23, 2016

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. W15-14, titled "S-550 Alum. Fixed Window. (S.M.I.)", sheets 1 through 6 of 6, dated 03/27/15 with Revision "A" dated 06/10/16, 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
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked—up drawings and installation diagram of a fixed window, prepared by Fenestration Testing Laboratory Inc., Test Report No. **8191**, dated 03/27/15 signed and sealed by Idalmis Ortega, P.E.

- 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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked—up drawings and installation diagram of a casement window, prepared by Fenestration Testing Laboratory Inc., Test Report No. **8175**, dated 03/16/15 signed and sealed by Idalmis Ortega, P.E.

(Submitted under NOA#15-0914.09)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC–2014, 5th edition, prepared by Al–Farooq Corporation, dated 08/03/15 and revised on 06/10/16, 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. 14-0916.10 issued to Kuraray America, Inc. for their "Kuraray Butacite® PVB Glass Interlayer" dated 06/25/15, expiring on 12/11/16.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor

NOA No. 15-0914.09

Expiration Date: June 23, 2021 Approval Date: June 23, 2016

Eco Window Systems, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2014, 5th edition, and of no financial interest, dated 08/03/15, signed and sealed by Javad Ahmad, P.E.

G. OTHER

1. None.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor NOA No. 15-0914.09

Expiration Date: June 23, 2021 Approval Date: June 23, 2016

ECO-GUARD SERIES-550 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) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

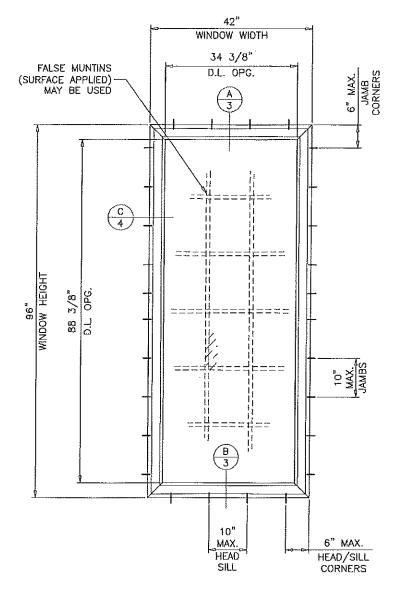
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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 FLORIDA BUILDING CODE & ADOPTED STANDARDS.



TYPICAL ELEVATION

TESTED UNIT

GLASS D.L.O. DIMS.

D.L.O. HEIGHT = WINDOW HEIGHT - 7.625" D.L.O. WIDTH = WINDOW WIDTH - 7.625"

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.

JUN 1 0 2016

MD. VOS92

STATE OF

PLORIDA

ONAL

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

(S.M.I.)

ECO WINDOW SYSTEMS, L 9114 N.W. 106 STREET MEDLEY, FL. 33178

drawing no. W15-14

sheet 1 of 6

Approval Date 06/23/2016

PRODUCT APPROVED

NOA-No.

as complying with the Florida Building Code

15-0914.10

Miami-Dade Product Control

	DESI	GN LOAD (CAPACITY -	PSF		
WINDO	V DIMS.	GLASS T			YPE 'B'	
	LENGTH (L)		1NT.(-)	EXT.(+)	1NT.(-)	Wif
24"	7.2	90.0	120.0	90.0	120.0	\parallel
30"	42"	90.0	120.0	90.0	120.0	
36"		90.0	120.0	90.0	120.0	
42"		79.3	114.5	90.0	120.0	
48"		79.3	114.5	90.0	120.0	'
54"		79.3	114.5	90.0	120.0	
60"		70.0	-	90.0	120.0	
63"				90.0	120.0	1
66"				90.0	120.0	
24"		90.0	120.0	90.0	120.0	
30"		90.0	120.0	90.0	120.0	
36"		90.0	120.0	90.0	120.0	-
42"		***************************************	114.5		120.0	
	48"	79.3 69.4		90.0	105,0	
48"		69.4	100.2	78.8		1
54"			_	78.8	105.0	
60"				78.8	105.0	\vdash
63*			_	78.8	105.0	
66"		_		78.8	105.0	l
24"	-	90.0	120.0	90.0	120.0	
30"	-	90.0	120.0	90.0	120.0	-
36"	-	90.0	120.0	90.0	120.0	
42°	54"	79.3	114.5	90.0	120.0	
48"			-	78.8	105.0	
54"	-			70.0	93.3	_
60"	-			70.0	93.3	
63"	1			70.0	93.3	
66"				70.0	93.3	
24"		90.0	120.0	90.0	120.0	
30 [#]	-	90.0	120.0	90,0	120.0	
36"	1	90,0	120.0	90.0	120.0	
42"	60"		-	90.0	120.0	
48"			-	78.8	105.0	
54"	- - -			70.0	93.3	
60"			_	63.0	84.0	4
63"				63.0	84.0	í
66"			-	63.0	84.0	;
24"	63"	90.0	120.0	90.0	120.0	
30"		90.0	120.0	90.0	120.0	3
36"		90.0	120,0	90.0	120.0	(
42"			_	90.0	120.0	
48"				78.8	105.0	
54"				70.0	93.3	
60"				63,0	84.0	
63"				60.0	80.0	
24"		90.0	120.0	90.0	120.0	
30"		90.0	120.0	90.0	120.0	
36"				90.0	120.0	
42"	66"	<u> </u>		90.0	120.0	
48"				78.8	105.0	
54"			-	70,0	93.3	
Į.				63.0	84.0	

WINDO	w dims.	GLASS TYPE 'AA'		GLASS TYPE 'B'	
width (w)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
24"	72"	90.0	120.0	90,0	120.0
30"		90.0	120.0	90.0	120.0
36"		_	***	90,0	120.0
42"		_	-	90.0	120.0
48"		**	-	78.8	105.0
54"			ł	70.0	93.3
24"		90.0	120.0	90.0	120.0
30"			_	90.0	120.0
36"	78"	_	-	90.0	120.0
42"		_		90.0	120.0
48"		-	_	78.8	105.0
24"		90.0	120.0	90.0	120.0
30"		_	_	90.0	120.0
36"	84"	-		90.0	120.0
42"		_	-	90.0	120.0
48"				78.8	105.0
24"		90.0	120.0	90.0	120.0
30"	90"	-	_	90.0	120.0
36"	90	_		90.0	120.0
42"		-		90.0	120.0
24"		90.0	120.0	90.0	120.0
30"	96"			90.0	120,0
36"	30	-	_	90,0	120.0
42"		-		90.0	120.0

WINDOW DIMS.		GLASS TYPE 'AA'		GLASS TYPE 'B'	
WIDTH (W)	LENGTH (L)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	38-3/8"	90.0	120.0	90.0	120.0
26-1/2"		90.0	120.0	90.0	120.0
32"		90.0	120.0	90.0	120,0
37"		90.0	120.0	90.0	120.0
53-1/8"		86.8	120.0	90.0	120.0
63"			1	90.0	120.0
19-1/8"		90.0	120.0	90.0	120.0
26~1/2"		90.0	120.0	90.0	120.0
32"	50-5/8"	90.0	120.0	90.0	120.0
37"		90.0	120.0	90.0	120.0
53-1/8"			_	74.7	99,6
63"		-		74.7	99,6
19-1/8"		90.0	120.0	90.0	120,0
26-1/2"		90.0	120,0	90.0	120.0
32"		90.0	120.0	90.0	120.0
37"	63"	90.0	120.0	90.0	120.0
53-1/8"			-	71.2	94.9
63"		~	-	60.0	80.0
19-1/8"		90.0	120.0	90.0	120.0
26-1/2"		90.0	120.0	90.0	120.0
32"	74-1/4"			90.0	120.0
37"	de entre de che care en care e	-	-	90.0	120.0
53-1/8"		-		71.2	94.9
19-1/8,"		90.0	120.0	90.0	120.0
26-1/2"	96"			90.0	120.0
32"	, ac		***	90.0	120.0
37"		-	-	90.0	120.0

.090" Interlayer —Butacite PVB

By 'Kuroray America, Inc.'

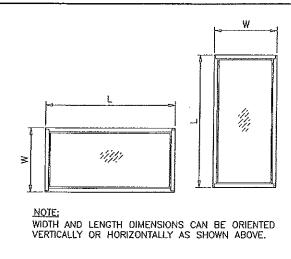
-3/16" HEAT STREN'D. GLASS

DOW CORNING 899

9 AT 1/4 POINTS ON LITES WIDER THAN 36" ONLY

GLASS TYPE 'B'

7/16" OVERALL LAM. GLASS



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-550 ALUMINUM FIXED WINDOW (S.M.I.) | ECO WINDOW SYSTEMS, LLC. 9114 N.W. 106 STREET | MEDLEY, FL. 33178 | TEL (305) 885-5299 FAX (305) 885-5902 | C.

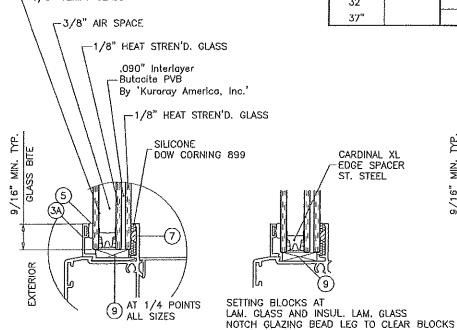
PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 15-0914.10

Approval Date 06/23/2016

Miami-Dade Product Control

JUN 1 0 2016

revisions: no date A 06.10.16 STATE OF PROPERTY OF THE PROPE drowing no. W15 - 14sheet 2 of 6



GLASS TYPE 'AA'

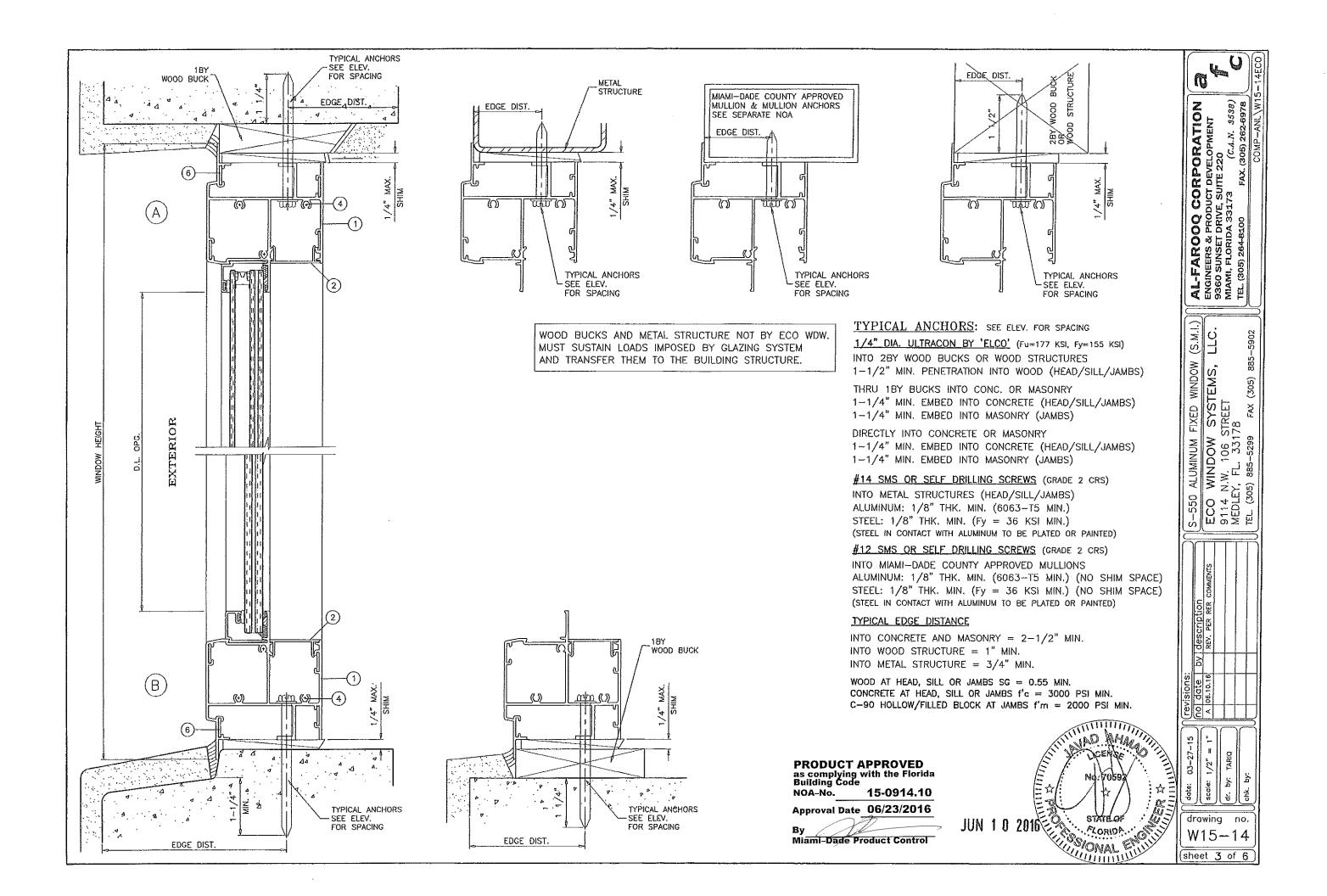
13/16" OVERALL INSUL. LAM. GLASS

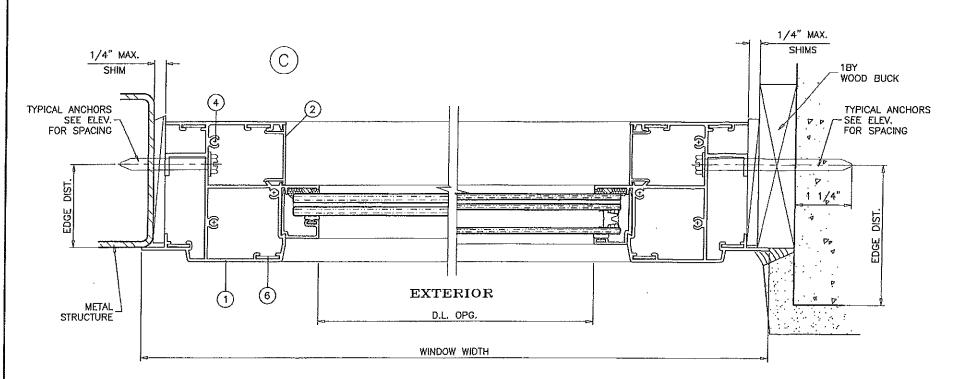
GLAZING OPTIONS

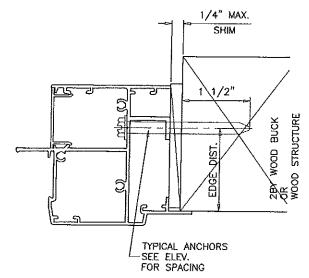
GLASS CAPACITIES ON THIS SHEET ARE

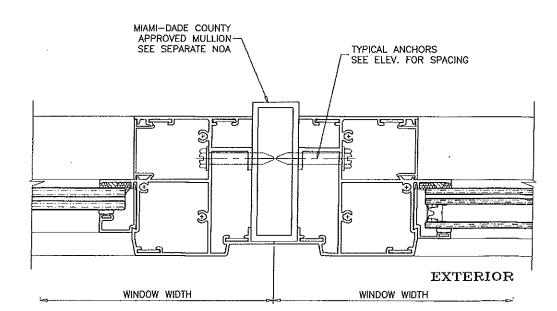
9/16" MIN. TYP. GLASS BITE

BASED ON ASTM E1300-09 (3 SEC. GUSTS).





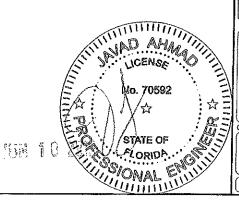




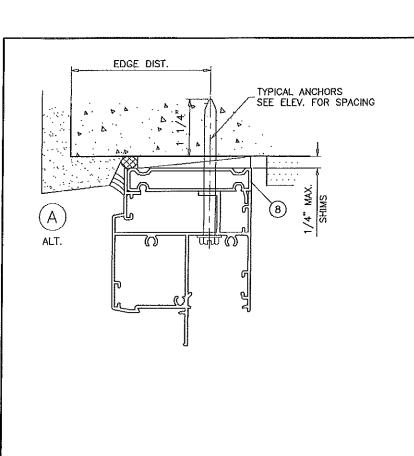
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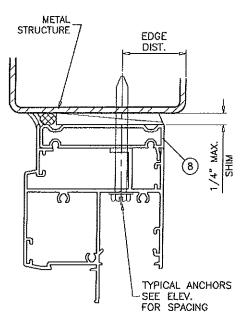
Approval Date 06/23/2016

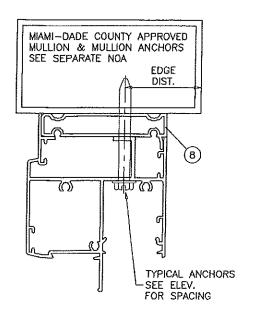
Miami-Dade Product Control

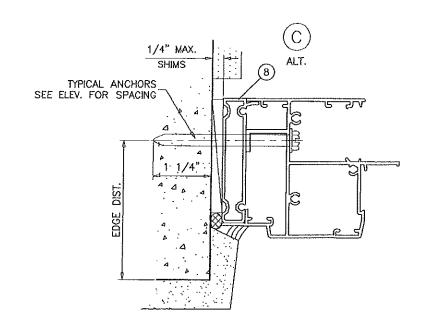


	AL-FARGOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3538) TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANL\W15-
	S-550 ALUMINUM FIXED WINDOW (S.M.I.) ECO WINDOW SYSTEMS, LLC. 9114 N.W. 106 STREET MEDLEY, FL. 33178 TEL. (305) 885-5299 FAX (305) 885-5902
	no date by description A 06.10.16 NO CHANGE THIS SHEET
	date: 03-27-15 scale: 1/2" == 1* dr. by: TARIQ chk. by:
7	drawing no. W15-14 sheet 4 of 6







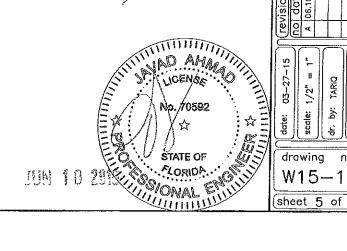


INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT APPROVED as complying with the Florida Building Code 15-0914.10 NOA-No.

Approval Date 06/23/2016

Miami-Dade Product Control



S-550 ALUMINUM FIXED WINDOW ()
ECO WINDOW SYSTEMS, L
9114 N.W. 106 STREET
MEDLEY, FL. 33178
TEL (305) 885-5299 FAX (305) 885drawing no.

W15 - 14

sheet 5 of 6

 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.I.)

FAX (305)

B ALT. EDGE DIST.

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

