

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- 500" Aluminum Outswing Casement Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W15-13**, titled "S-500 Alum. Outswing Casement Wdw. (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 Approval 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.

MIAMIDADE COUNTY
APPROVED

APPROVED

NOA No. 15-0914.09 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. W15-13, titled "S-500 Alum. Outswing Casement Wdw. (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 casement window, prepared by Fenestration Testing Laboratory Inc., Test Report No. **8175**, dated 03/16/15 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 fixed window, prepared by Fenestration Testing Laboratory Inc., Test Report No. **8191**, dated 03/27/15 signed and sealed by Idalmis Ortega, P.E.

(Submitted under NOA#15-0914.10)

## C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC–2014, 5<sup>th</sup> edition, prepared by Al–Farooq Corporation, dated 08/06/15 and 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, 5<sup>th</sup> edition, and of no financial interest, dated 08/06/15, 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

DESIGN LOAD CAPACITY - PSF FOR ( X ) SIZES						
WINDOV	y DIMS.		TYPE A'	GLASS TYPE 'B'		
WIDTH	HEIGHT	EXT.(+) 1NT.(-)		EXT.(+)	1NT.()	
19-1/8"		90.0	130.0	90.0	120.0	
26-1/2"	50-5/8"	90.0	130.0	90.0	120.0	
32"		90.0	130.0	90.0	120.0	
37"		90.0	130.0	90.0	120.0	
19-1/8"		90.0	130.0	90.0	120.0	
26-1/2"	G 7 H	90.0	130.0	90.0	120.0	
32"	63"	90.0	130.0	90.0	120.0	
37"		90.0	130.0	90.0	120.0	
19-1/8"	76"	88.0	127.2	88.0	117.4	
26-1/2"	/6	65.0	94.0	65.0	86.7	
18"		90.0	130.0	90.0	120.0	
24"	48"	90,0	130.0	90,0	120.0	
30"		90.0	130.0	90.0	120.0	
36"		90.0	130.0	90.0	120,0	
18"		90.0	130.0	90.0	120.0	
24"	54"	90.0	130.0	90.0	120.0	
30"	34	90.0	130.0	90.0	120,0	
36"		90.0	130.0	90.0	120.0	
18"		90.0	130,0	90.0	120.0	
24"	60"	90.0	130.0	90.0	120.0	
30"	60	90.0	130.0	90.0	120.0	
36"		90.0	130.0	90.0	120.0	
18"		90.0	130.0	90.0	120,0	
24"	66"	90,0	130.0	90.0	120.0	
30"		90.0	130.0	90.0	120.0	
18"		90.0	130.0	90.0	120,0	
24"	72"	84.1	121.5	84.1	112.1	
30"		69.1	99.8	69,1	92.1	

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

GLASS D.L.O. DIMS.

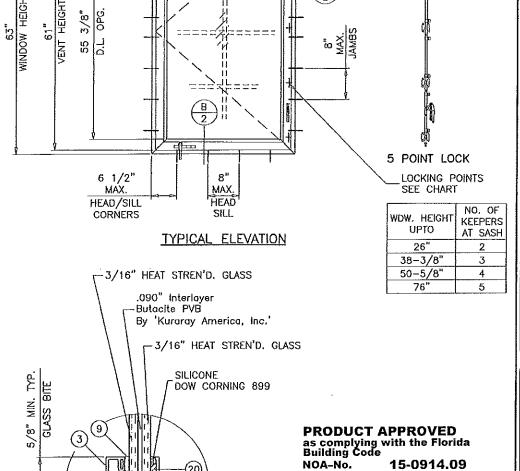
D.L.O. HEIGHT = WINDOW HEIGHT - 7.625"

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

# -1/8" TEMP, GLASS 3/8" AIR SPACE -1/8" HEAT STREN'D. GLASS .090" Interlayer -Butacite PVB By 'Kuraray America, Inc.' -1/8" HEAT STREN'D. GLASS SILICONE DOW CORNING 899 CARDINAL XL -EDGE SPACER ST. STEEL AT 1/4 POINTS 19 ALL SIZES SETTING BLOCKS AT INSUL, LAM, GLASS NOTCH GLAZING BEAD LEG

GLASS TYPE 'AA'

13/16" OVERALL INSUL, LAM, GLASS



JUN 1 0 2016

GLASS TYPE 'B'

7/16" OVERALL LAM. GLASS

Approval Date 06/23/2016

Miami-Dade Product Control

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

(305)

WINDOW SYST N.W. 106 STREET EY, FL. 33178 05) 885-5299 FAX (

ECO WIND 9114 N.W. 1 MEDLEY, FL. TEL (305) 885-

no date

drawing no.

W15 - 13

sheet 1 of 6

37" WINDOW WIDTH

35"

VENT WIDTH

29 3/8"

D.L. OPG.

FALSE MUNTINS

MAY BE USEÓ

(SURFACE APPLIED)

## ECO-GUARD SERIES-500 ALUMINUM OUTSWING CASEMENT WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASMT/CASMT OR CASEMENT 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.

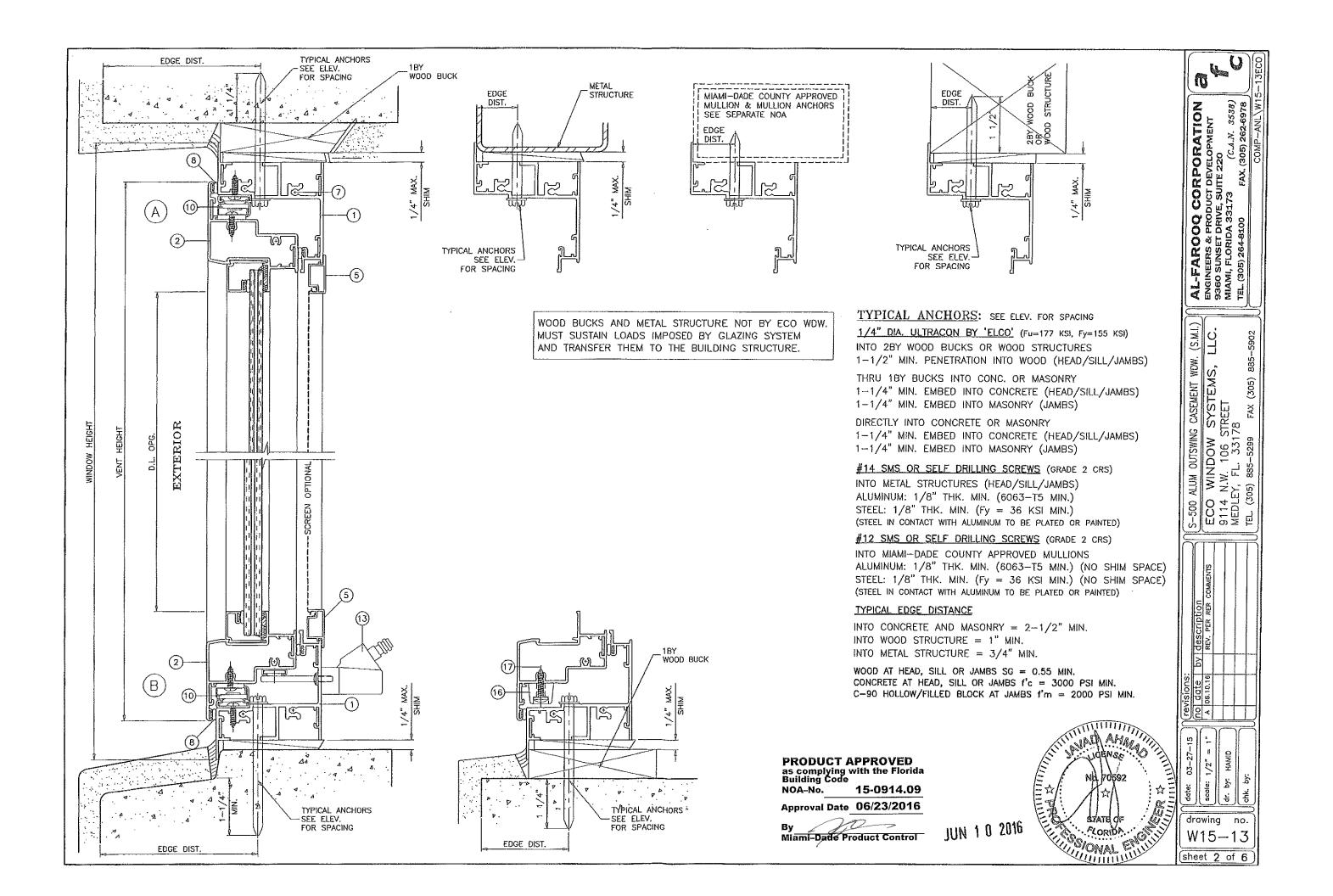
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

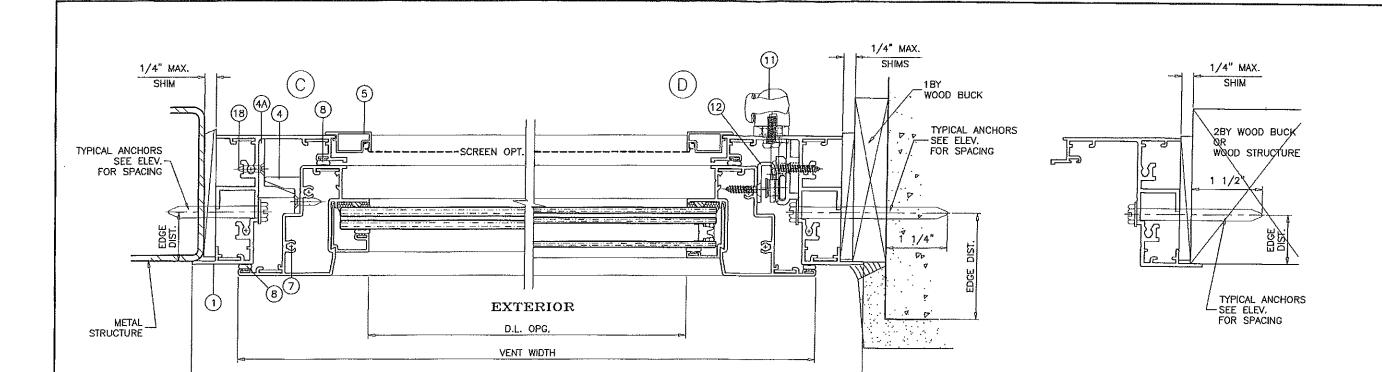
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE & ADOPTED STANDARDS.

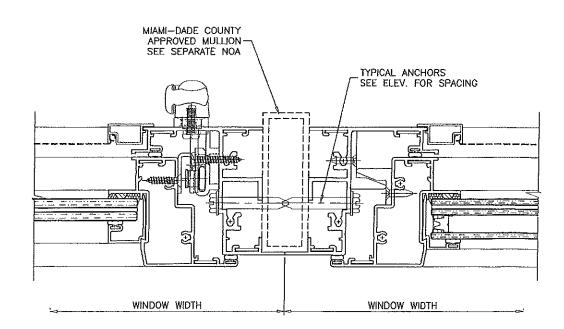
THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

TO CLEAR BLOCKS

GLAZING OPTIONS





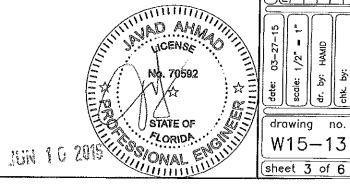


WINDOW WIDTH

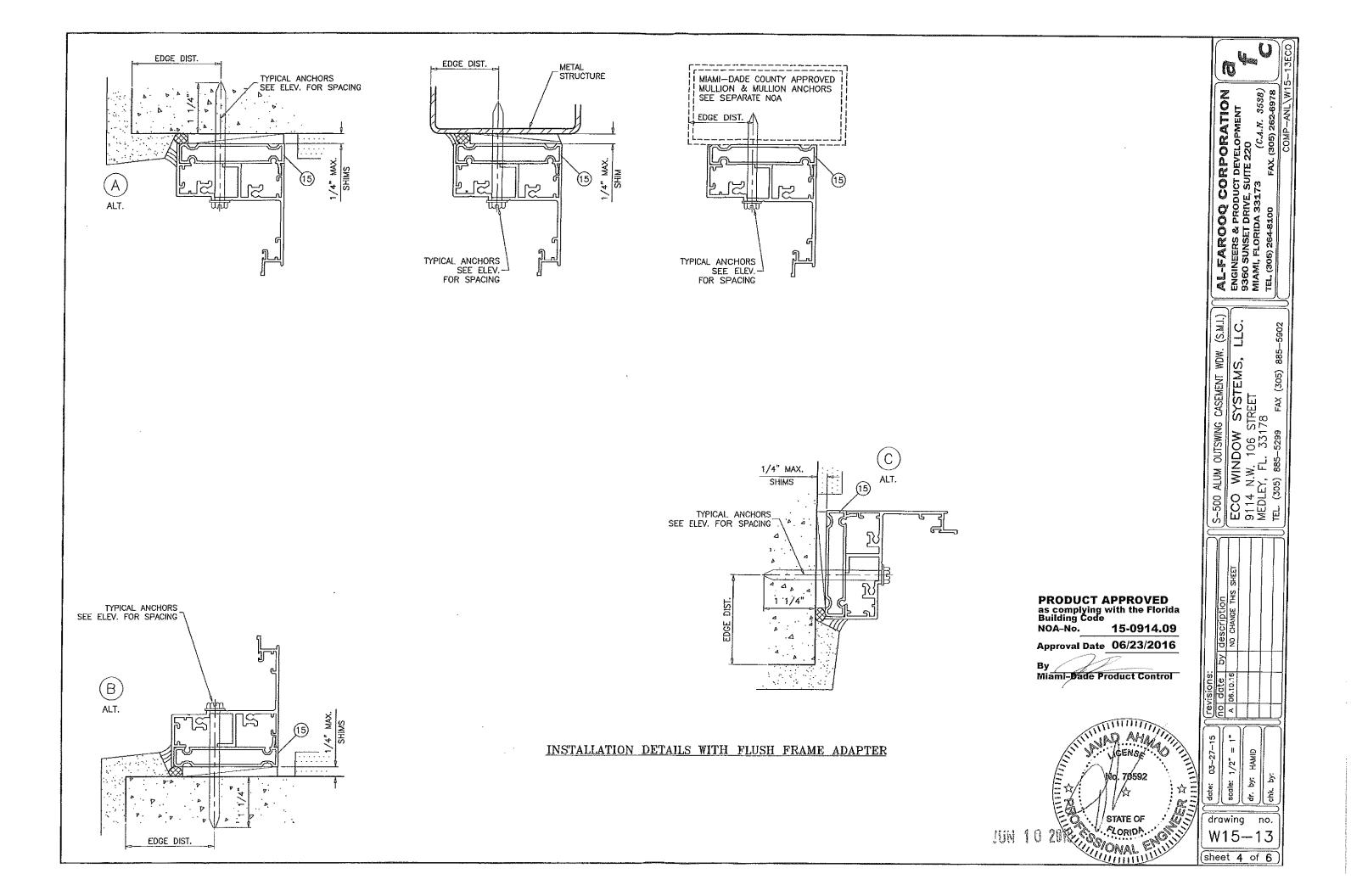
PRODUCT APPROVED as complying with the Florida Building Code
NOA-No. 15-0914.09

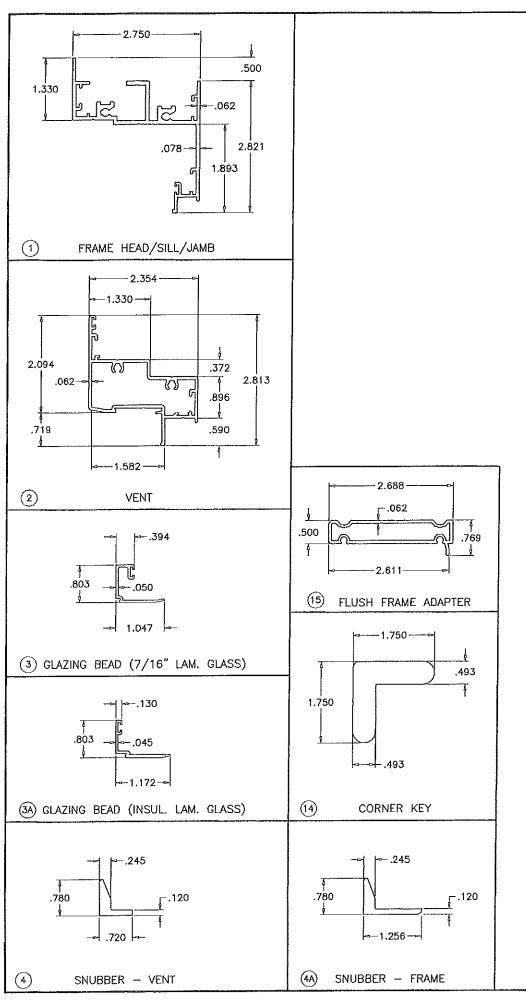
Approval Date 06/23/2016

By Miami-Dade Product Control



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) (	C FOR ALTH OTHERWISE STORY	STOOD ALUM UDISMING CASEMENI WOW. (S.M.I.)	FOO WINIDOM EXETTERS	LOCATIONS OF STEMO, LECT.	9114 N.W. 106 STREET	MEDIFY FI 33178	)	IEL (303) 885-5299 FAX (305) 885-5902	
Of revisions:		no date by description	A 06.10.15 NO CHANGE THIS SHEET				Waspinson		
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ITEM	PART #	QUANTITY	DESCRIPTION	1640000044	MANUAL CONTROL OF THE
	<del>                                     </del>	<del>  -</del>		MATERIAL	MANF./SUPPLIER/REMARKS
1	E501	4	FRAME HEAD/SILL/JAMB	6063-T6	-
2	E502	4	VENT	6063-76	
3	FY109	AS REQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	~
ЗA	E505	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	
4	E508	AS REQD.	SNUBBER - VENT (LENGTH = VENT HT.)	6063-T6	~
4A	E509	AS REOD.	SNUBBER - FRAME (LENGTH = VENT HT.)	6063-T6	~-
5	E506	OPTIONAL	SCREEN FRAME	6063-T5	_
7	#10 X 1-1/4"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	_	H WH SMS
8	E203	AS REOD.	BULB WEATHERSTRIPPING, DUROMETER 65	SANTOPRENE	ULTRAFAB
9	E203	AS REQD.	GLAZING BEAD BULB, DUROMETER 65	SANTOPRENE	ULTRAFAB
10	35.12.00.400	2/ VENT	4 BAR HINGE, AT TOP AND BOTTOM	STEEL	TRUTH, INSTALLED WITH (2) #10 X 3/4" SDS
11	13096.92	1	MULTI POINT LOCK SYSTEM	ZAMAK	TRUTH
12		AS REQD.	KEEPER	STEEL	SEE SHEET 1 FOR QUANTITIES
13		1/ VENT	ROTO OPERATOR	ZAMAK/STL.	TRUTH
14	PSJ40-SS	2/ CORNER	FRAME/VENT CORNER KEY	ST. STEEL	-
15	FY120	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
16	<u> </u>	3	ANTI SAG SKATE	NYLON	M&M PLASTICS
17	#10 X 1-1/4°	2/ SKATE	FH SDS SKATE SCREWS	-	una .
18	#8 X 3/4"	AS REQD.	SNUBBER SCREWS, FH SELF DRILLING -		IN PAIRS 2" APART, PAIRS SPACED AT 7-3/4" O.C.
19	_	2/ LITE	SETTING BLOCK, 3/16" X 3/4" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A
20	FLB-50	_	GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE

#### SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE-MOREHEAD SM5504 SEAM SEALER.

PARIMETER CAULKING SICAFLEX 15LM ON EXTERIOR ONLY.

#### LOCKS:

MULTIPOINT LOCK SYSTEM #13096.92 BY 'TRUTH' AT FRAME JAMB LOCK OPERATOR #24.33.XX.004 AT 8-1/2" FROM SILL FASTENED TO JAMBS WITH (2) #10 X 1/2" PH SMS. LOCK BAR SECURED TO JAMB WITH LOCK GUIDES #33489.00.0001 SPACED AT 12-3/4" O.C. MAX. EACH GUIDE FASTENED WITH (2) #8 X 1" PH SMS

STAINLESS STEEL KEEPERS #31964.92 AT VENT EACH FASTENED WITH (2) #8 X 3/4" FH SDS SEE CHART ON SHEET 1 FOR QUANTITIES

#### HINGES:

4 BAR ST/ST HINGES #35.12.00.400 BY 'TRUTH' LOCATED AT TOP AND BOTTOM CORNERS, FASTENED TO FRAME WITH (2) #10 X 3/4" PH SMS VENT WITH (2) #10 X 3/4" PH SMS

#### **OPERATOR:**

SINGLE ARM ROTO OPERATOR #52.13.012 BY 'TRUTH' LOCATED AT SILL END FASTENED WITH (6) #10 X 1" FH SMS OPERATOR TRACK #30175 AT BOTTOM RAIL FASTENED WITH (2) #10 X 1" P PH SMS

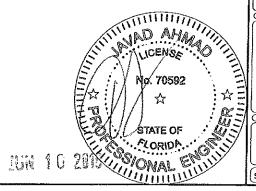
## ANTI-SAG SKATES:

VINYL ANTI-SAG SKATES BY 'M&M PLASTICS' (2) AT LOCK STILE AT 6-3/4" FROM TOP/BOTTOM RAILS (1) AT BOTTOM RAIL AT 4" FROM LOCK STILE EACH FASTENED WITH (2) #10 X 1-1/4" FH SDS.

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 15-0914.09

Approval Date 06/23/2016

Miami-Dade Product Control



WDW. (S.M.I.)

S, LLC.

ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978

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

TEL. (305) 885-5299 FAV 2007

no date by description
A 06.10.16 REV. PER RER COMM

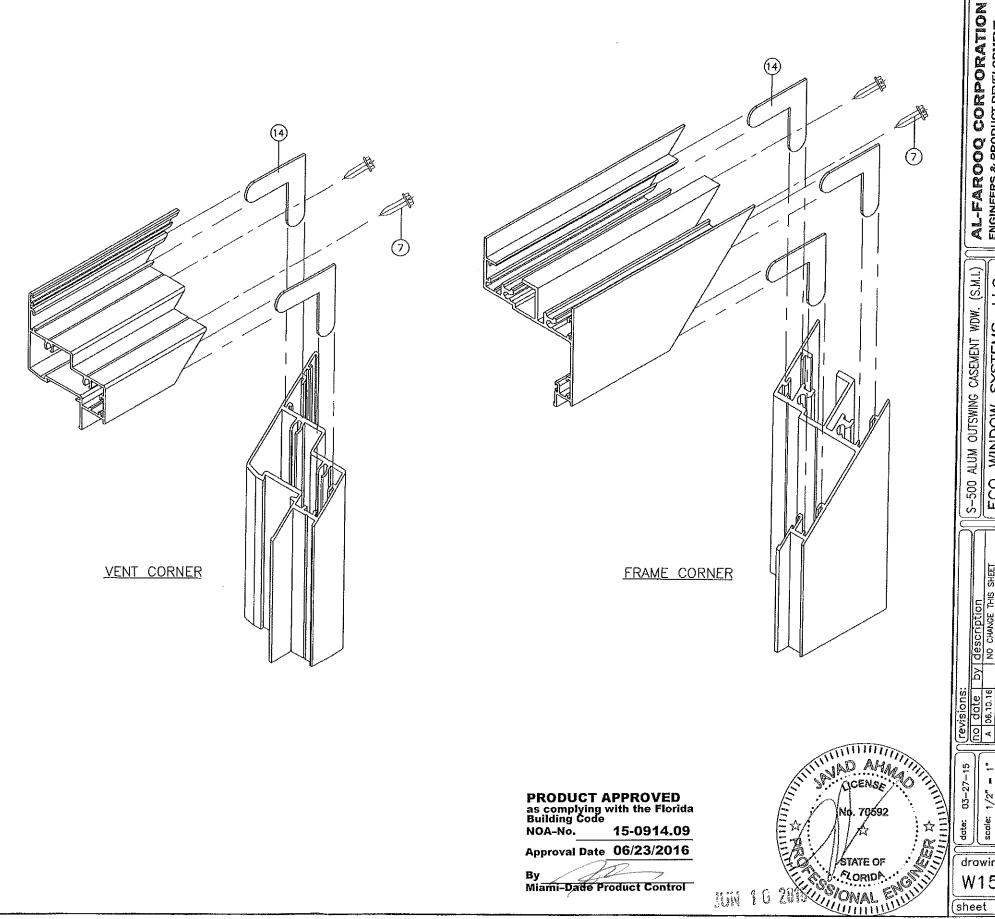
date: 03–27–15

scale: 1/2" = 1"

dr. by: HAMID

drawing no. W15-13

W15-13



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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drawing no. W15 - 13

sheet 6 of 6