

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 560" Aluminum Project Out Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W11–08**, titled "S-560 Aluminum Project Out Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/24/11, with revision **F** dated 09/27/17, 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, 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. 15-0406.09 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.



52 12/14/2011

NOA No. 17-1011.25 Expiration Date: May 26, 2021 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. (Submitted under NOA No. 11-0309.05)
- 2. Drawing No. W11-08, titled "S-560 Aluminum Project Out Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/24/11, with revision E dated 06/23/15, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
 - 5) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a casement window, prepared by Hurricane Engineering and Testing, Inc., Test Reports No.

HETI-10-3150 and **HETI-10-3151**, dated 12/29/10, all signed and sealed by Candido F. Font, P.E.

(Submitted under NOA No. 11-0309.05)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by Al-Farooq Corporation, dated 03/17/15 and 06/23/15, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

D. OUALITY 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 04/25/15, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-5th Edition (2014), and of no financial interest, dated March 17, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

Sifang 2hao

Sifang Zhao, P. E. Product Control Examiner NOA No. 17-1011.259 Expiration Date: May 26, 2021

Approval Date: December 21, 2017

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS(CONTINUED)

2. Laboratory compliance letter for Test Reports No. **HETI-10-3150** and **HETI-10-3151**, issued by Hurricane Engineering and Testing, Inc., dated 12/29/10, all signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 11-0309.05)

G. OTHERS

1. Notice of Acceptance No. **13-0206.06**, issued to Eco Window Systems, LLC for their Series "Eco-Guard 560" Aluminum Projected Out Window – L.M.I., approved on 05/02/13 and expiring on 05/26/16.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. W11-08, titled "S-560 Aluminum Project Out Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/24/11, with revision F dated 09/27/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None

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.

F. STATEMENTS

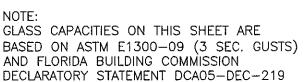
1. Statement letter of conformance, complying with FBC 5th Edition (2014), with FBC 6th Edition (2017), and of no financial interest, dated September 26, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

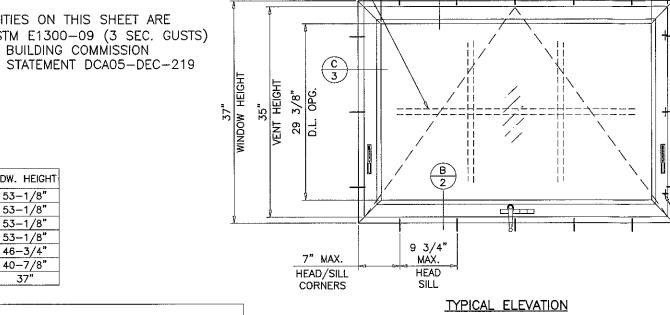
G. OTHERS

1. Notice of Acceptance No. **15-0406.09**, issued to Eco Window Systems, LLC for their Series "Eco-Guard 560" Aluminum Projected Out Window – L.M.I., approved on 07/02/15 and expiring on 05/26/21.

Sifang Zhao, P. E.
Product Control Examiner
NOA No. 17-1011.25

Expiration Date: May 26, 2021 Approval Date: December 21, 2017





FALSE MUNTINS

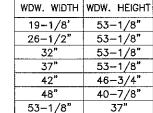
MAY BE USED

(SURFACE APPLIED)

WINDOW WIDTH VENT WIDTH 29 3/8" D.L. OPG. $\frac{A}{2}$ | | | | | | 51 1/8" VENT HEIGHT D.L. 45 NO. OF WDW. HEIGHT KEEPERS AT SASH 12 1/2" 6" MAX. MAX. HEAD/SILL CORNERS HEAD SILL

37"

TYPICAL ELEVATION



MAXIMUM DESIGN LOAD RATING = + 70.0 PSF (FOR SIZES SHOWN ABOVE OR SMALLER)

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

ECO-GUARD SERIES-560 ALUMINUM PROJECT-OUT WINDOW

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

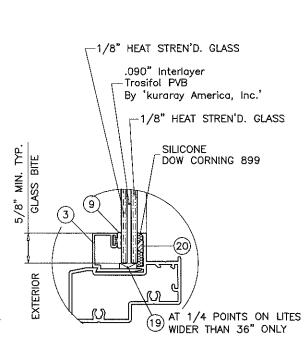
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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.



53 1/8

WINDOW WIDTH 51 1/8" VENT WIDTH

45 1/2"

D.L. OPG.

 $\frac{\binom{A}{2}}{2}$



_1/8" TEMP. GLASS -3/8" AIR SPACE -1/8" HEAT STREN'D. GLASS .090" Interlayer Trosifol PVB By 'kuraray America, Inc.' SILICONE DOW CORNING 899 AT 1/4 POINTS 19 ALL SIZES

GLASS TYPE 'AA'

GLAZING OPTIONS

6" MAX JAMB CORNER

12

LOCKING POINTS

4

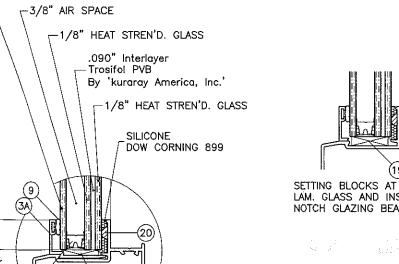
SEE CHART

UPTO

26"

38<u>-3/8</u>" 50-5/8"

53-1/8"

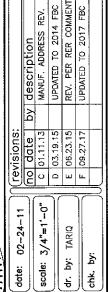


LÁM. GLASS AND INSUL. LAM. GLASS NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

STATE OF

as complying with the Florida Ruilding Code Acceptance No 11-1011-25 Expiration Date 05/26/202/ ELISONAL ELIV

By <u>Gifang Zhao</u> Mismi Dade Product Control



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CORPORATION OUCT DEVELOPMENT

(L.M.I.)

OUT

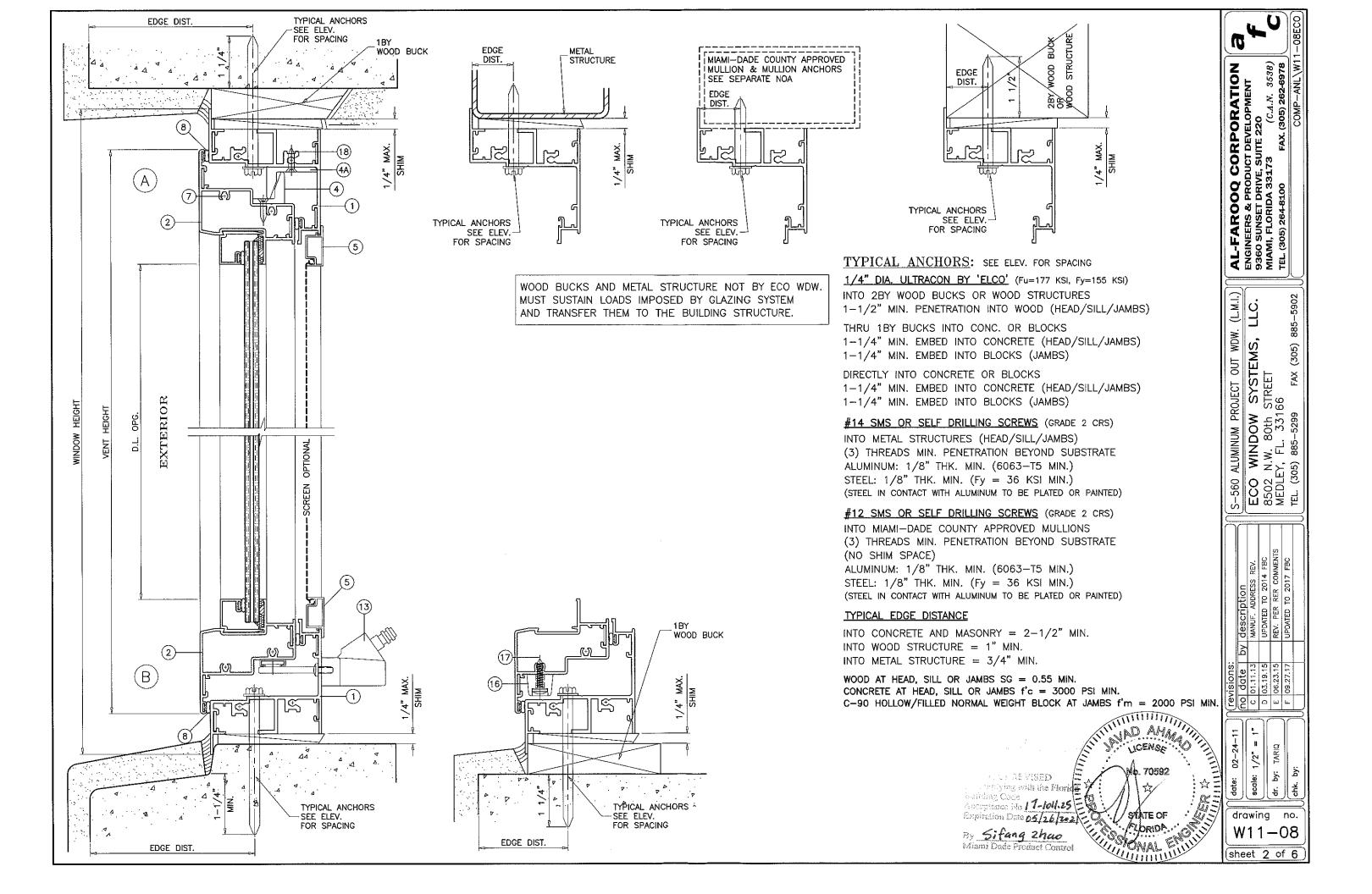
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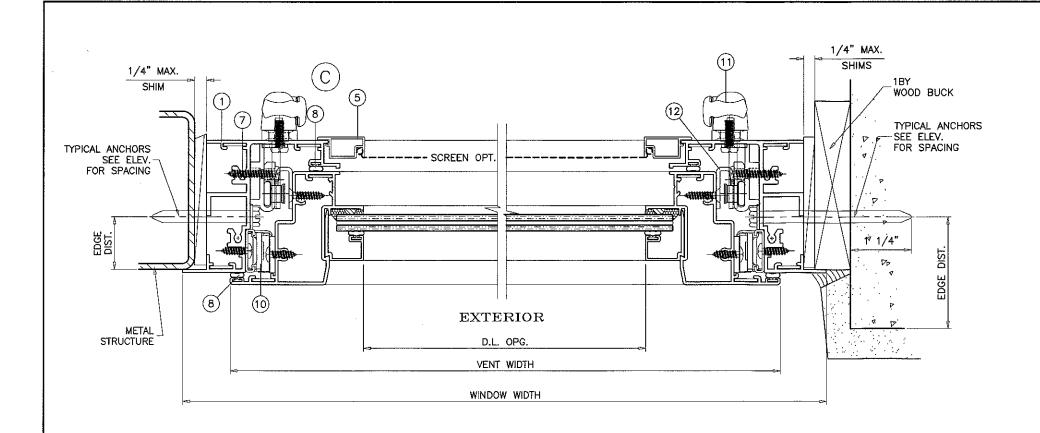
N.W. 80th STREET
EY, FL. 33166
505) 885–5299 FAX (305) 8

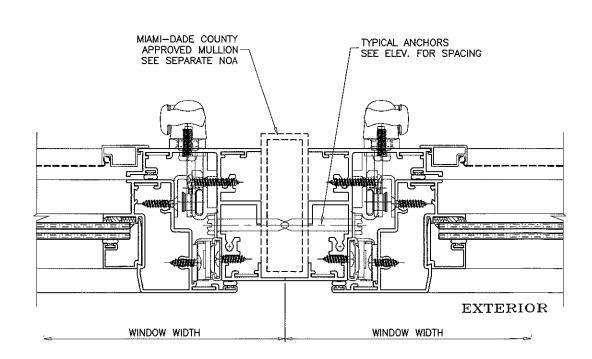
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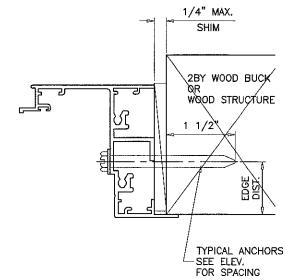
AL-FAROOQ CORPOR/ ENGINEERS & PRODUCT DEVELOP 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A TEL. (305) 264-8100 FAX. (305)

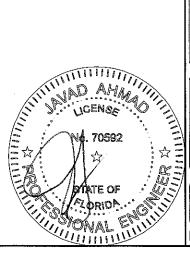
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 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33.173
 (C.A.N. 3638)

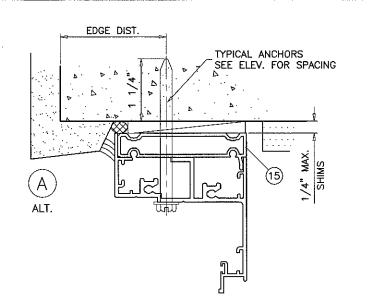
 TEL. (305) 264-8100
 FAX. (305) 262-6978

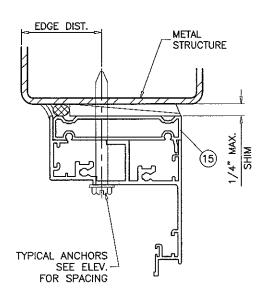
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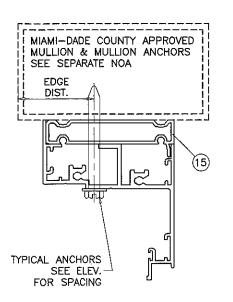
(305) 885-5902

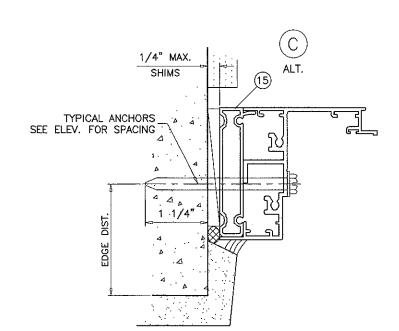
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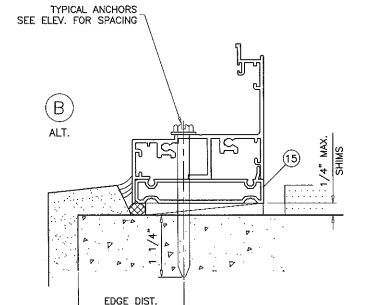
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sheet 3 of 6







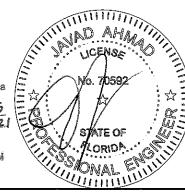




INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No
Expiration Date 05/26/2021

By Sifung 2hao Miami Dade Product Control



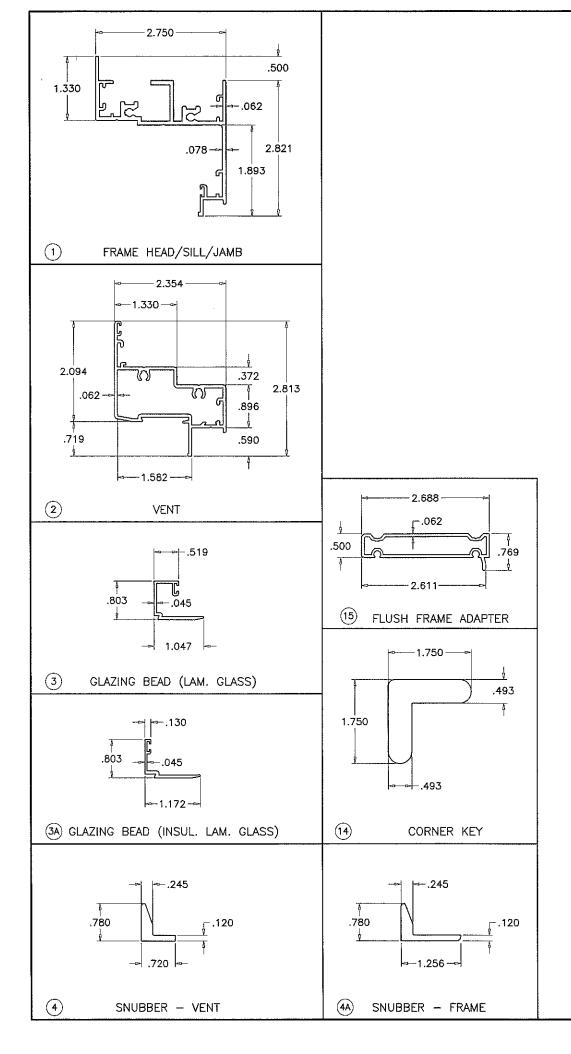
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| CL.M.1.) | AL-FAROOQ CORPORATION | ENGINEERS & PRODUCT DEVELOPMENT | 9360 SUNSET DRIVE, SUITE 220 | MIAMI, FLORIDA 33173 (C.A.N. 3538) | TEL. (305) 264-8100 | FAX. (305) 262-6978 | COMP-ANL\W1

S-560 ALUMINUM PROJECT OUT WDW.

ECO WINDOW SYSTEMS, I
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 886

drawing no.
W11-08
Sheet 4 of 6



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ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	l
1	E501	4	FRAME HEAD/SILL/JAMB	6063-T6	_	١
2	E502	4	VENT	6063-T6	-	١
3	FY108	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	_	1
3A	E505	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	_	١
4	E508	AS REQD.	SNUBBER - VENT, FULL LENGTH	6063-T6	_	١
4A	E509	AS REQD.	SNUBBER - FRAME, FULL LENGTH	6063-T6	_	١
5	E506	OPTIONAL	SCREEN FRAME	6063-T6	_	1
7	#10 X 1-1/4"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	-	H WS SMS	1
8	E203	AS REQD.	BULB WEATHERSTRIPPING, DUROMETER 65	SANTOPRENE	ULTRAFAB	1
9	E203	AS REQD.	GLAZING BEAD BULB, DUROMETER 65	SANTOPRENE	ULTRAFAB	١
10	35.12.00.400	2/ VENT	4 BAR HINGES	ST. STEEL	TRUTH, INSTALLED WITH (2) #10 X 5/8" SDS	١
11	13096.92	1	MULTI POINT LOCK SYSTEM	_	TRUTH	١
12	31964.92	AS REQD.	KEEPER	STEEL	TRUTH	ĺ
13	52.13.012	1/ VENT	ROTO OPERATOR	ZAMAK/STL.	TRUTH, AT 12" FROM ENDS	١
14	PSJ40-SS	2/ CORNER	FRAME/VENT CORNER KEY	ST. STEEL	_	١
15	FY120	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL	
16	-	2	ANTI SAG SKATE, AT 4-1/2" FROM EACH END	NYLON	M&M PLASTICS	ı
17	#10 X 1-1/4"	2/ SKATE	FH SDS SKATE SCREWS	_	_	١
18	#8 X 3/4"	AS REQD.	FH SMS SNUBBER SCREWS	_	IN PAIRS 2" APART, PAIRS SPACED AT 7-3/4" O.C.	
19	-	AS REQD.	SETTING BLOCK, 3/16" X 3/4" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A	I
20	FLB-50		GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE	
21	_	-	INSUL. GLASS EDGE SPACER	ST. STEEL	CARDINAL XL	1

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 EACH JAMB LOCK OPERATOR #24.33.XX.004 AT 8-1/2" FROM SILL FASTENED TO JAMBS WITH (2) #10 X 5/8" 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) #10 X 1" P PH SMS

STAINLESS STEEL KEEPERS #31964.92 AT VENT EACH FASTENED WITH (2) #10 X 5/8" P FH SMS SEE CHART ON SHEET 1 FOR QUANTITIES

HINGES:

4 BAR ST/ST HINGES #35.12.00.400 BY 'TRUTH' LOCATED AT TOP CORNERS FASTENED WITH (3) #10 X 5/8" P PH SELF DRILLING SCREWS

OPERATOR:

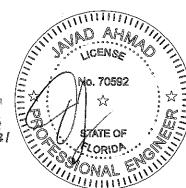
SINGLE ARM ROTO OPERATOR #52.13.012 BY 'TRUTH' LOCATED AT MIDSPAN OF FRAME SILL FASTENED WITH (6) #10 X 1" P PH SMS OPERATOR TRACK #30175 AT BOTTOM RAIL FASTENED WITH (2) #10 X 1" P PH SMS

ANTI-SAG SKATES:

NYLON ANTI-SAG SKATES BY 'M&M PLASTICS' (2) AT BOTTOM RAIL AT 4-1/2" FROM ENDS EACH FASTENED WITH (2) #10 X 1-1/4" P FH SDS.

PRODUCT REVISED
25 craptying with the Florida
Building Code
Acceptance No 17-1011-25
Expiration Date 05/26/2021

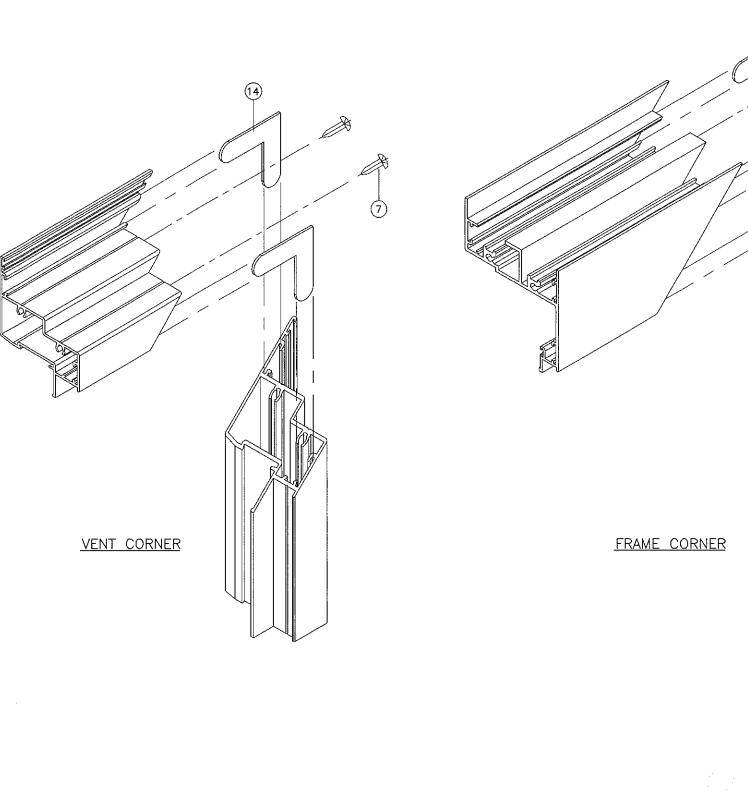
By Sifang Zhao Miami Dade Product Control



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

| S-560 ALUMINUM PROJECT OUT WDW. (L.M.I.) | ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th STREET | MEDLEY, FL. 33166 | TEL. (305) 885-5299 FAX (305) 885-5902

drawing no.
W11-08
Sheet 5 of 6



 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33173
 (CA.N. 3538)

 TEL. (305) 2648100
 FAX. (305) 262-6978

 (L.M.I.) FAX (305) 885-5902

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

scale: 1/2" =

drawing no. W11-08

sheet 6 of 6

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By <u>Sifang 2hao</u> Miami Dada Product Comrol