

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

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

NOTICE OF ACCEPTANCE (NOA)

ECO Windows, LLC 8502 N. W. 80TH 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-450" Aluminum Window Wall System w/wo Reinforcement-L.M.I.

APPROVAL DOCUMENT: Drawing No. **20-03D**, titled "Series Eco-450 Alum. Window Wall System (L.M.I.)", sheets 1 through 8 of 8, dated JAN 16, 2020 and last revised on July 24, 2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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: 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 consists of this page 1 and evidence pages E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY
APPROVED

NOA No. 20-0128.02 Expiration Date: October 02, 2025 Approval Date: October 02, 2020

ai Date: October 02, 2020 Page 1

Ishaq I. Chands

ECO Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTE

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 20-03D, titled "Series Eco-450 Alum. Window Wall System (S.M.I.)", sheets 1 through 8 of 8, dated JAN 16, 2020 and last revised on July 24, 2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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) Large and Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94 1618
 - 6) ANSI-Z per FBC 1618.4.6.3 (Sample A-1)

along with marked-up drawings and installation diagram of an aluminum window wall system w/ Entrance Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9911**, dated 01/18/2018, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 7th **Edition (2020)**, dated JAN 16, 2020 and last revised on 07/17/20, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09 &-16

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® (Clear and White) Glass Interlayers", expiring on 07/08/24.

F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, and of no financial interest, dated 07/24, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
- 2. Testing Proposal #17-1071 issued by the Product Control Section, dated 10/20/17, signed by Manny Perez, P.E.

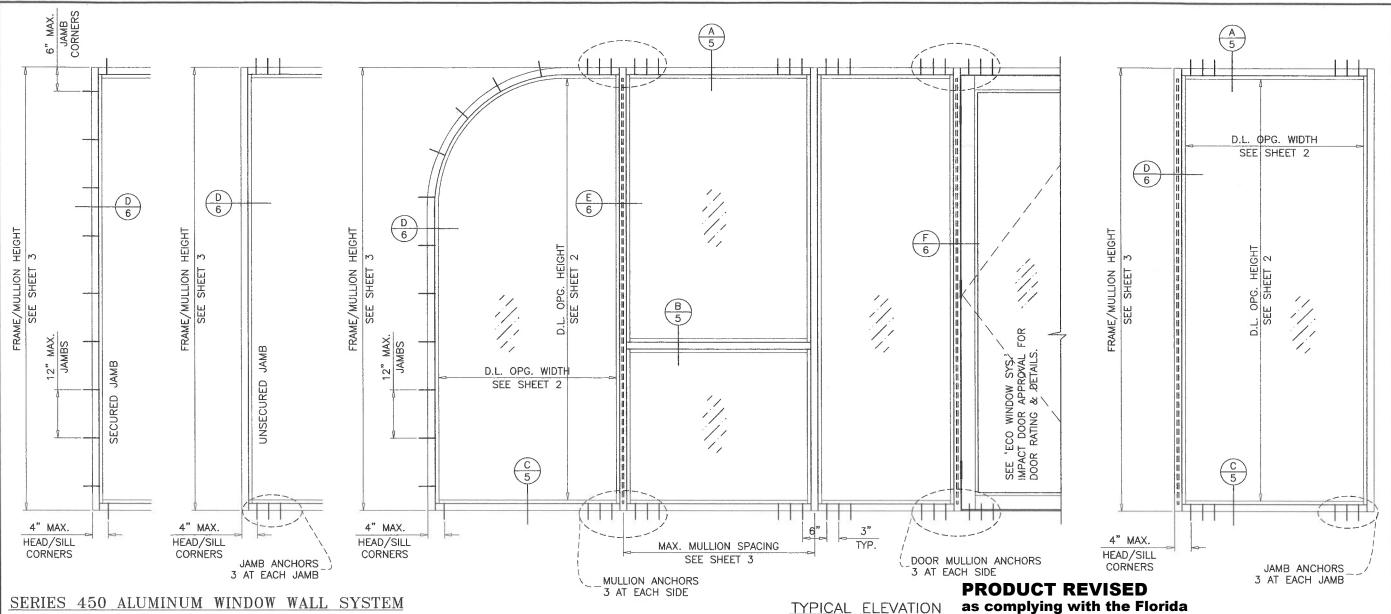
G. OTHERS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0128.02
Expiration Date: October 02, 2025

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THIS SYSTEM MAY BE USED IN CONJUNCTION WITH APPROVED LARGE MISSILE IMPACT RESISTANT DOORS.

LOWER DESIGN PRESSURE FROM WINDOW WALL OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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) FOR EQUIVALENT LOADS IN 'LOAD AND RESISTANCE FACTOR DESIGN (LRFD)' MULTIPLY 'ASD' LOADS BY 1.67 (ASD LOAD X 1.67 = LRFD LOAD).

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- CHECK GLASS CAPACITY TABLE ON SHEET 2 FOR STEP 2 GLASS TYPE, GLASS DIMENSIONS (WIDTH & HEIGHT) AND PRESSURE CAPACITY. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- CHECK WINDOW WALL SYSTEM CAPACITY FOR DESIRED HEIGHT AND MULLION SPACING USING CHARTS ON

THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

- STEP 4 FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 6 DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.
- WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

Building Code 20-0128.02 NOA-No.

Expiration Date: 10/02/2025

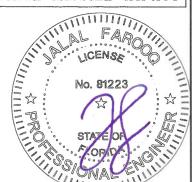
By: Ishaq 1. Chanda

Miami-Dade Product Control

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

LARGE MISSILE IMPACT



후.

sheet 1 of 8

Sealed: 7/24/2020

drawing 20 - 03D

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

(L.M.I.)

SYSTEM

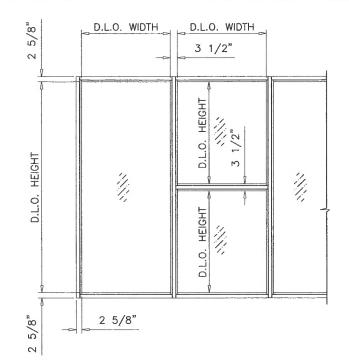
ALUM

450

SERIES ECO

WINDOW SYST N.W. 80th STREET Y, FL. 33166

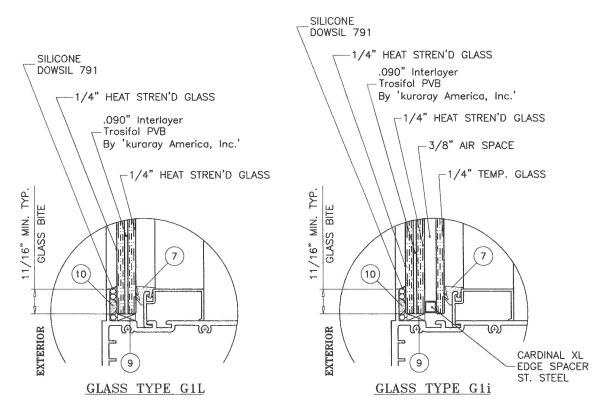
GLASS LOAD CAPACITY - PSF					
NOMINA	L DIMS.	GLASS 'G1L' 8	TYPES 'G1i'		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)		
30-3/4"		70.0	75.0		
33-3/4"		70.0	75.0		
36-3/4"		70.0	75.0		
39-3/4"		70.0	75.0		
42-3/4"	78-3/4"	70.0	75.0		
45-3/4"		65.9	70.6		
48-3/4"		62.2	66.7		
51-3/4"		58.9	63.2		
54-3/4"		56.0	60.0		
30-3/4"		70.0	75.0		
33-3/4"		70.0	75.0		
36-3/4"		70.0	75.0		
39-3/4"	04 7/4"	70.0	75.0		
42-3/4"	84-3/4"	70.0	75.0	l	
45-3/4"		65.9	70.6		
48-3/4"		62.2	66.7	HEIGHTS ALLOWEI	
51-3/4"		58.9	63.2	A I	
30-3/4"		70.0	75.0	ကြ	
33-3/4"		70.0	75.0	돐	
36-3/4"		70.0	75.0	単	
39-3/4"	90-3/4"	70.0	75.0		
42-3/4"		70.0	75.0	A.	
45-3/4"		65.9	70.6	오	
48-3/4"		62.2	66.7	WIDTHS	
30-3/4"		70.0	75.0	>	
33-3/4"		70.0	75.0	Z	
36-3/4"	96-3/4"	70.0	75.0	BETWEEN	
39-3/4"		70.0	75.0	BE	
42-3/4"		70.0	75.0		
30-3/4"		70.0	75.0	NTERPOLATION	
33-3/4"		70.0	75.0	Ž	
36-3/4"	102-3/4"	70.0	75.0	Š	
39-3/4"		70.0	75.0		
42-3/4"		70.0	75.0	JΞ	



PRODUCT REVISED as complying with the Florida Building Code 20-0128.02 NOA-No.

Expiration Date: 10/02/2025

By: _ Ishaq 1. Chanda **Miami-Dade Product Control**



GLAZING OPTIONS

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

GLASS

Sealed: 7/24/2020

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

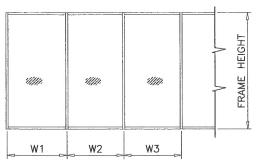
M (L.M.I.) LLC. SERIES 450 ALUM WINDOW WALL SYSTEM (L. ECO WINDOW SYSTEMS, LL(8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885-5299 FAX (305) 885-5

drawing no. 20-03D

sheet 2 of 8

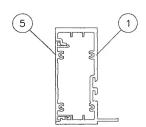
JAMB & MULLION LOAD CAPACITY - PSF JAMBS & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.			JAME MULI	3 'J1' . 'M1'	JAMI MULI	3 'J1' 3 'M2'
WIDTH	(W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"			70.0	75.0	70.0	75.0
39"			70.0	75.0	70.0	75.0
42"			70.0	75.0	70.0	75.0
45"			70.0	75.0	70.0	75.0
48"		84"	70.0	75.0	70.0	75.0
51"			70.0	75.0	70.0	75.0
54"			70.0	75.0	70.0	75.0
57"			-	-	70.0	75.0
60"			-	-	70.0	75.0
36"			70.0	75.0	70.0	75.0
39"			70.0	75.0	70.0	75.0
42"			70.0	75.0	70.0	75.0
45"			70.0	75.0	70.0	75.0
48"		90"	70.0	75.0	70.0	75.0
51"			70.0	75.0	70.0	75.0
54"			-	-	70.0	75.0
57"			_	-	70.0	75.0
36"			70.0	75.0	70.0	75.0
39"			70.0	75.0	70.0	75.0
42"	•		70.0	75.0	70.0	75.0
45"	•	96"	70.0	74.5	70.0	75.0
48"			70.0	70.7	70.0	75.0
51"	•		-	-	70.0	75.0
54"			-	-	70.0	75.0
36"			-	-	70.0	75.0
39"			-	_	70.0	75.0
42"	,	102"	-	-	70.0	75.0
45"	,	102	-	-	70.0	75.0
48"			_	-	70.0	75.0
36"			-	-	70.0	75.0
39"	,		-	~	70.0	75.0
42"		108"	-	-	70.0	75.0
45"			_	-	70.0	75.0
48"	,			-	70.0	75.0





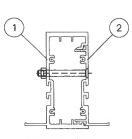
WIDTH (W) = W1AT FRAME JAMB

WIDTH (W) = $\frac{\text{W2 + W3}}{2}$ AT FRAME MULLION

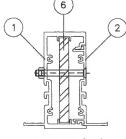


UNSECURED JAMB 'J1'

Ix IN^4 Sx IN^3 4.155 2.02



MULLION 'M1'



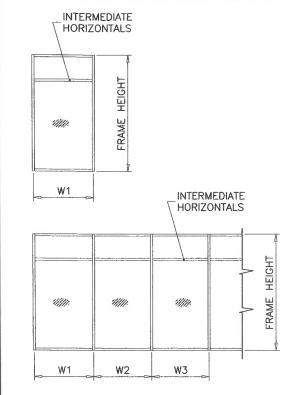
MULLION 'M3'

x IN^4	Sx IN^3	
4.3758	2.1274	ALUM
		STEE

	Ix IN^4	Sx IN^3	
ALUMINUM	4.3758	2.1274	
STEEL	1.2058	.7656	
TOTAL Ix ALUM + Ix STL X 2.9	7.4004		

JAMB & MULLION LOAD CAPACITY - PSF JAMBS & MULLIONS WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1' MULL 'M1'		JAMB 'J1' MULL 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(→)	EXT.(+)	INT.(-)
36"		70.0	75.0	70.0	75.0
39"		70.0	75.0	70.0	75.0
42"		70.0	75.0	70.0	75.0
45"		70.0	75.0	70.0	75.0
48"	84"	70.0	75.0	70.0	75.0
51"		70.0	75.0	70.0	75.0
54"		70.0	75.0	70.0	75.0
57"		_		70.0	75.0
60"				70.0	75.0
36"		70.0	75.0	70.0	75.0
39"		70.0	75.0	70.0	75.0
42"		70.0	75.0	70.0	75.0
45"		70.0	75.0	70.0	75.0
48"	90"	70.0	75.0	70.0	75.0
51"		70.0	73.0	70.0	75.0
54"		_	-	70.0	75.0
57"		_	-	70.0	75.0
36"		70.0	75.0	70.0	75.0
39"		70.0	75.0	70.0	75.0
42"		70.0	73.1	70.0	75.0
45"	96"	68.2	68.2	70.0	75.0
48"		63.9	63.9	70.0	75.0
51"		-	-	70.0	75.0
54"		-	_	70.0	75.0
36"		-	-	70.0	75.0
39"		_	-	70.0	75.0
42"	102"	-	-	70.0	75.0
45"	102	_	-	70.0	75.0
48"		-	_	70.0	75.0
36"		_	***	70.0	75.0
39"		-	-	70.0	75.0
42"	108"	_	_	70.0	75.0
45"		_		70.0	75.0
48"		-	-	70.0	72.7

JAMB & MULLION LOAD CAPACITY - PSF



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2}{}$

AT FRAME MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0128.02
Expiration Date: 10/02/2025

By: _ Ishaq 1. Chande

Miami-Dade Product Control

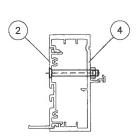


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20-03D

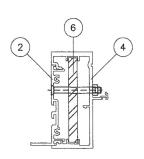
MULLION

DOOR MULLION LOAD CAPACITY					
NOMIN	NAL DIMS.	WITHOUT REINF.		WITH REINF.	
WIDTH (W)	WIDTH (W) FRAME HEIGHT		INT.(-)	EXT.(+)	INT.(-)
37"		70.0	75.0	70.0	75.0
38-1/2"		70.0	75.0	70.0	75.0
40"	0.4"	70.0	75.0	70.0	75.0
41-1/2"		70.0	75.0	70.0	75.0
43"	84"	70.0	75.0	70.0	75.0
44-1/2"		70.0	75.0	70.0	75.0
46"		70.0	75.0	70.0	75.0
47-1/2"		70.0	75.0	70.0	75.0
49"		70.0	74.8	70.0	75.0
37"		70.0	75.0	70.0	75.0
38-1/2"		70.0	75.0	70.0	75.0
40"		70.0	75.0	70.0	75.0
41-1/2"		70.0	75.0	70.0	75.0
43"	90"	70.0	74.3	70.0	75.0
44-1/2"		70.0	71.8	70.0	75.0
46"		_		70.0	75.0
47-1/2"			-	70.0	75.0
49"		_	_	70.0	75.0
37"		70.0	74.0	70.0	75.0
38-1/2"		70.0	71.1	70.0	75.0
40"		68.5	68.5	70.0	75.0
41-1/2"	96"	66.0	66.0	70.0	75.0
43"	30	63.7	63.7	70.0	75.0
44-1/2"		_	_	70.0	75.0
46"		-	_	70.0	75.0
47-1/2"		_	_	70.0	75.0
37"		_	_	70.0	75.0
38-1/2"		_	_	70.0	75.0
40"	102"	~	-	70.0	75.0
41-1/2"	102	_	-	70.0	75.0
43"		_	_	70.0	75.0
44-1/2"		-	_	70.0	75.0
37"			-	70.0	75.0
38-1/2"		_	-	70.0	75.0
40"	108"	_	-	70.0	75.0
41-1/2"		_	-	70.0	75.0
43"		_	-	70.0	75.0



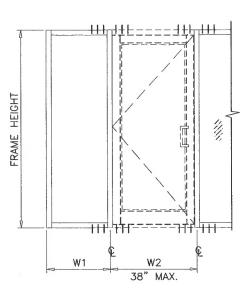


Ix	IN^4	Sx	IN^3
3.9	038	1.8	3241

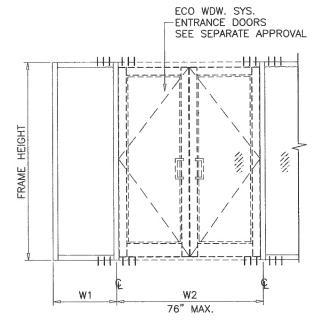


DOOR MULLION WITH REINF.

	Ix IN^4	Sx IN^3
ALUMINUM	3.9038	1.8241
STEEL	1.3398	3.6217
TOTAL ix ALUM + ix STL X 2.9	7.7507	



 $WIDTH (W) = \frac{W1 + W2}{2}$



WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$

PRODUCT REVISED as complying with the Florida Building Code 20-0128.02 NOA-No.

Expiration Date: 10/02/2025

By: _ Ishaq 1. Chands

Miami-Dade Product Control

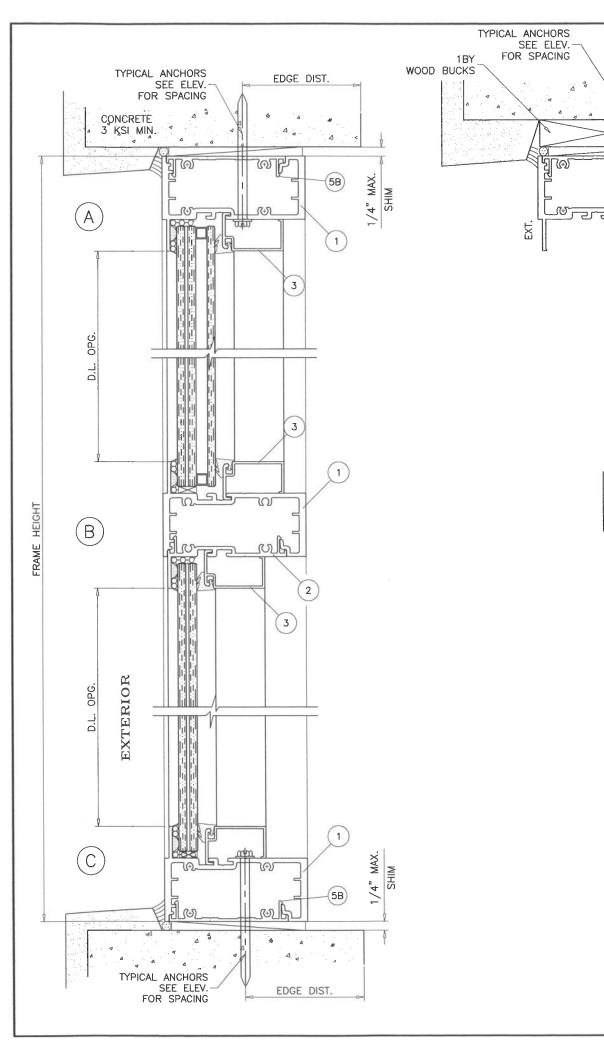


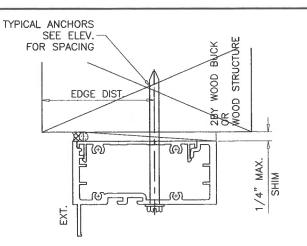
drawing no. 20-03D sheet 4 of 8

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

| SERIES 450 ALUM WINDOW WALL SYSTEM (L.M.I.) | ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th STREET | MEDLEY, FL. 33166 | TEL. (305) 885-5902 | TEL. (305) 885-5902 | MEDLEY | MEDLEY | TEL. (305) 885-5902 | MEDLEY | TEL. (3

DOOR MULLION





WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WINDOWS' 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 BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS

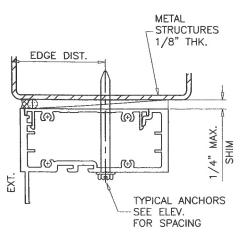
INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

EDGE DIST.

INTO CONCRETE AND BLOCKS = 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 I'm = 2000 PSI MIN.



(C.A.N. 3538) (.(305) 262-6978 STORE\20-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

3 450 ALUM WINDOW WALL
WINDOW SYSTE
I N.W. 80th STREET
EY, FL. 33166

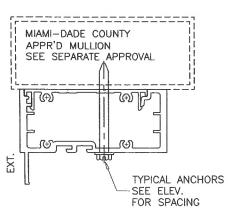
SERIES 450 ALL

ECO WIND

8502 N.W. 8

MEDLEY, FL.

TEL. (305) 885-

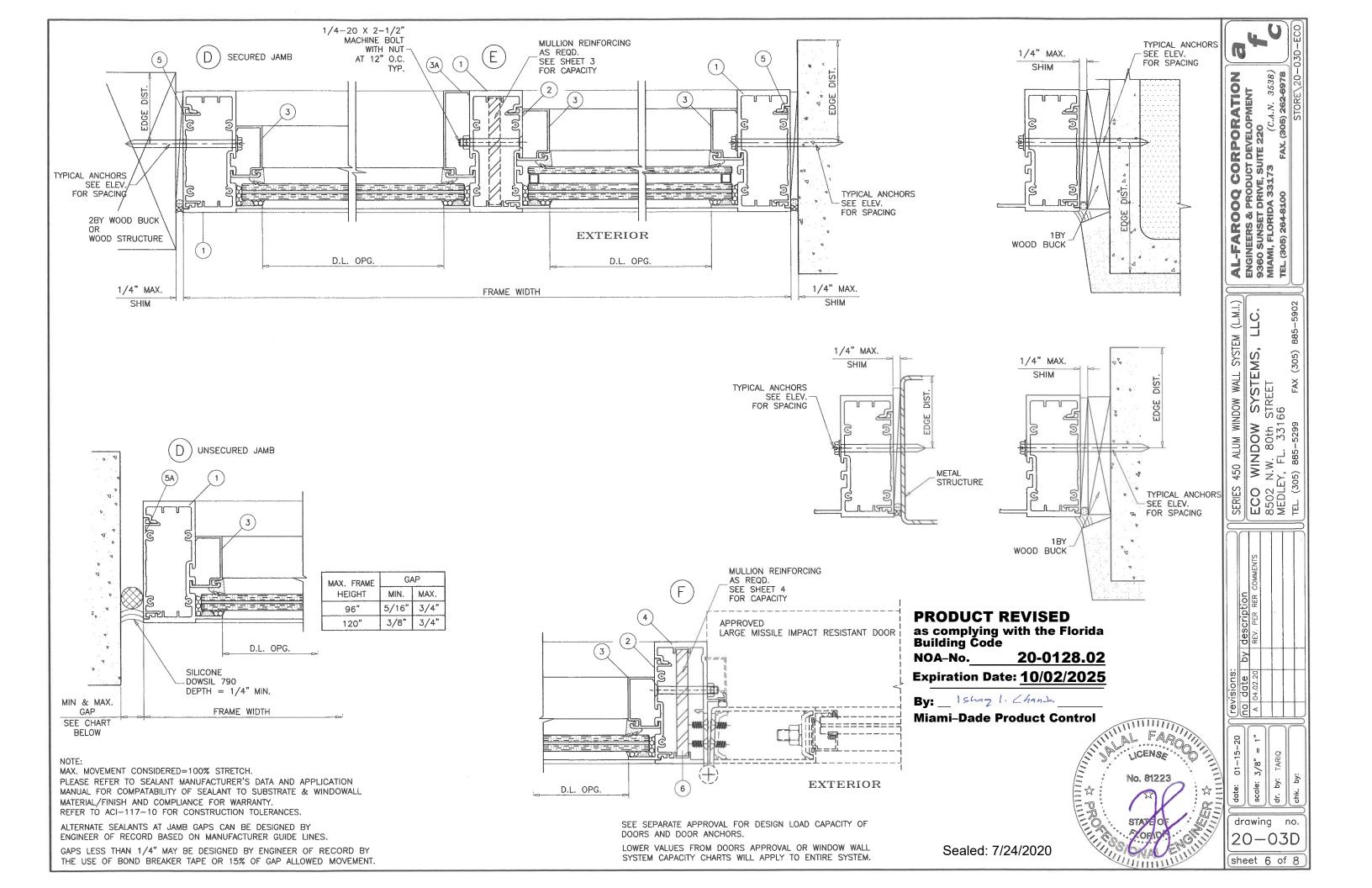


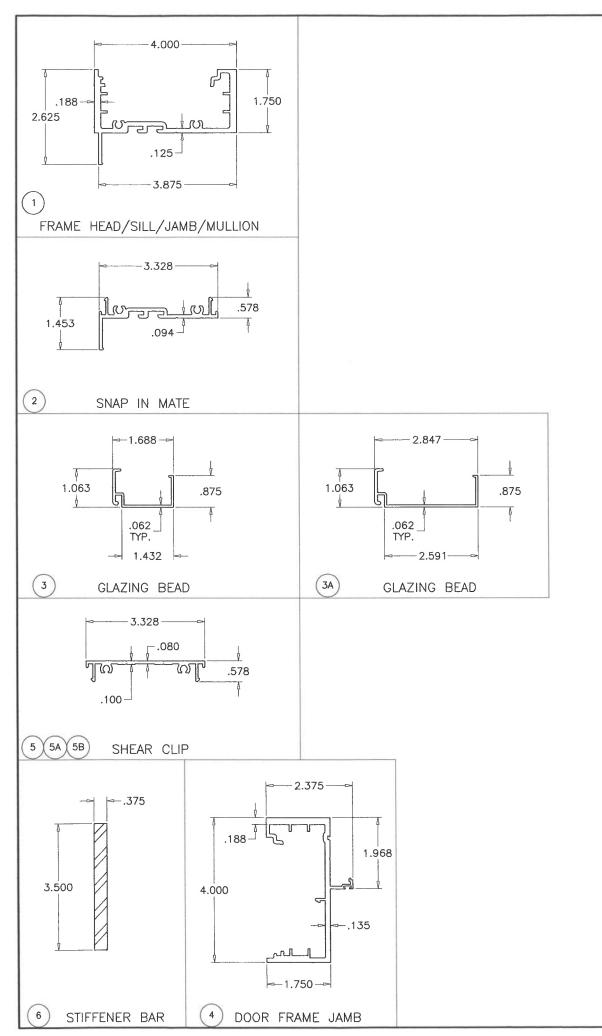
PRODUCT REVISED as complying with the Florida Building Code 20-0128.02 NOA-No. **Expiration Date: 10/02/2025**

By: _ Ishaq 1. Chank Miami-Dade Product Control



drawing no. 20 - 03Dsheet 5 of 8





1	451	AS REQD.	FRAME HEAD/SILL/JAMB/MULLION	6063-T6	_
2	452	AS REQD.	SNAP-IN MATE	6063-T6	_
3	UW-404	AS REQD.	GLAZING BEAD	6063-T6	_
3A	E458	AS REQD.	GLAZING BEAD	6063-T6	_
4	454	AS REQD.	DOOR FRAME JAMB	6063-T6	_
5	453	AS REQD.	SHEAR CLIP, 3-3/4" LONG AT JAMB ANCHORS	6063-T6	-
5A	453	AS REQD.	SHEAR CLIP, FULL LENGTH	6063-T6	
5B	453	AS REQD.	SHEAR CLIP, LENGTH VARIES TO COVER ANCHOR SPACINGS	6063-T6	_
6	-	AS REQD.	STIFFENER BAR	GALV. STEEL	
7	UW-406	AS REQD.	GLAZING GASKET	NEOPRENE	DUROMETER 55±5 SHORE A
8	#12 X 1-1/4"	4/ CORNER	FRAME ASSEMBLY SCREWS		PH SMS
9	_	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (3/16" X 1/2" X 2" LONG)	EPDM	DUROMETER 80±5 SHORE A
10	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE

SEALANTS:

ALL FRAME JOINTS AND SEAMS SEALED WITH SCHNEE-MOREHEAD SM5504 ACRYL-R SEAM SEALER.

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0128.02 **Expiration Date: 10/02/2025**

By: _ Ishaq 1. Chands **Miami-Dade Product Control**

> 20-03D sheet 7 of 8

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

SERIES 450 ALUM WINDOW WALL SYSTEM (L.M.I.)

ECO WINDOW SYSTEMS, LLC.

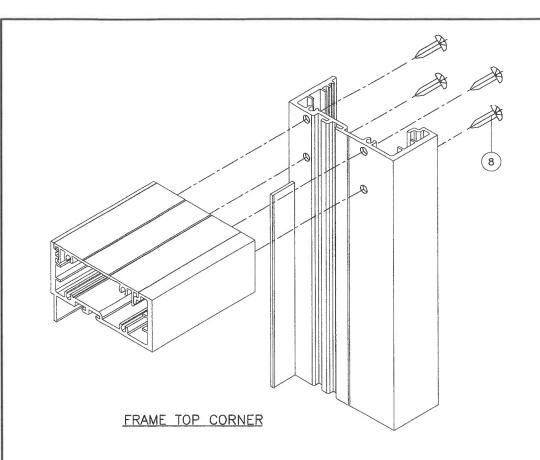
8502 N.W. 80th STREET

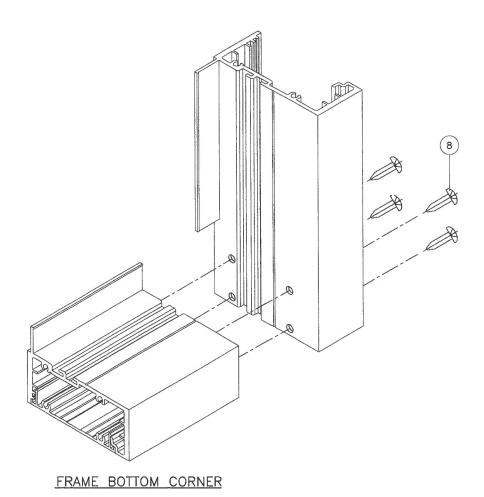
MEDLEY, FL. 33166

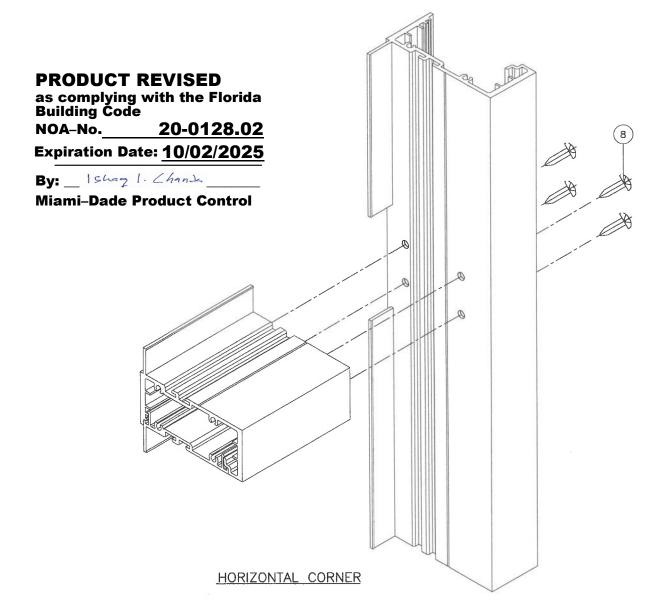
TEL. (305) 885-5299 FAX (305) 885-5902

drawing

no.







20-03D

drawing no.

sheet 8 of 8