

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, FL 33175 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 "250" Aluminum Horizontal Rolling Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **18-48D**, titled "Series-250 Alum. Horiz. Rolling Wdw. (L.M.I.)" sheets 1 through 7 of 7, dated 04/23/18, 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 Section 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#18-0426.09 and 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 Sifang Zhao, P.E.





NOA No. 20-1119.10 Expiration Date: August 30, 2023 Approval Date: February 11, 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. 18-0426.09)
- 2. Drawing No **18-48D**, titled "Series-250 Alum. Horiz. Rolling Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 04/23/18, with revision A dated 06/14/18, 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) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 7) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94 along with marked-up drawings and installation diagram of a series 250 aluminum

horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9830**, dated 10/24/17, with addendum letter dated 06/15/18, signed and sealed by Idalmis Ortega, P.E. (*Submitted under NOA No. 18-0426.09*)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 6th **Edition** (2017), dated 04/24/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (*Submitted under NOA No. 18-0426.09*)
- 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. 17-1114.14 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC** 6th **Edition** (2017), and of no financial interest, dated January 4, 2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- **2.** Proposal No. **17-0420** issued by the Product Control Section, dated June 9, 2017, signed by Manuel Perez, P.E.

G. OTHER

1. None.

Sifang Zhao, P.E. Product Control Examiner NOA No. 20-1119.10 Expiration Date: August 30, 2023

Approval Date: February 11, 2021

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **18-48D**, titled "Series-250 Alum. Horiz. Rolling Wdw. (L.M.I.)" sheets 1 through 7 of 7, dated 04/23/18, 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. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America**, **Inc.** for their "**Trosifol® Ultraclear**, **Clear and Color PVB Glass Interlayers**", expiring on 07/08/24.

F. STATEMENTS

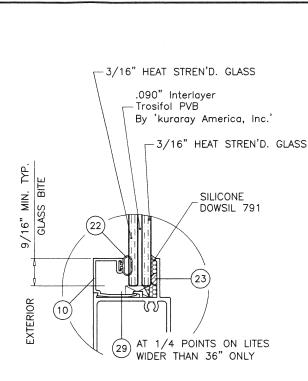
1. Statement letter of conformance, complying with **FBC 6th** Edition (**2017**), with **FBC 7th** Edition (**2020**), and of no financial interest, dated 11/05/2020, prepared by Al-Farooq Corporation and signed and sealed by Jalal Farooq, P.E.

G. OTHERS

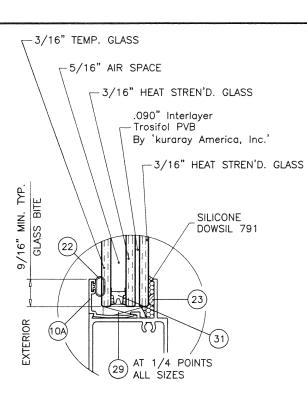
1. Notice of Acceptance No. **18-0426.09**, issued to Eco Window Systems, LLC for their Series "250" Aluminum Horizontal Rolling Window – L.M.I., approved on 08/30/2018 and expires on 08/30/2023.

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Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-1119.10
Expiration Date: August 30, 2023
Approval Date: February 11, 2021







GLASS TYPE 'A1'
15/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

SERIES-250 (L.M.I.)

ALUMINUM HORIZONTAL ROLLING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING 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 NOA 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.

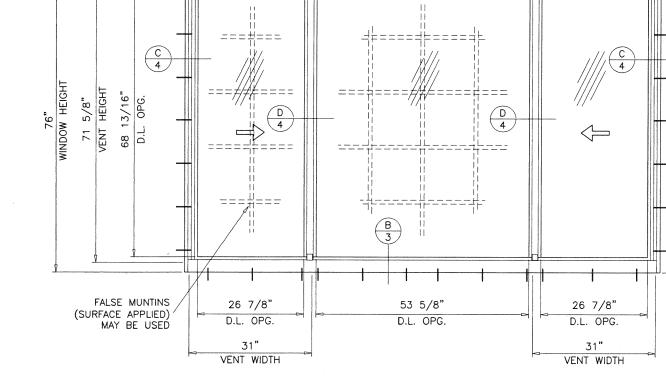
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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)'.



4" MAX.

MTG. STILE

ENDS

6" MAX.

HEAD/SILL

CORNERS

(TESTED UNIT)

TYPICAL ELEVATION

120" WINDOW WIDTH

3

11 3/16"

MAX.

HEAD

SILL

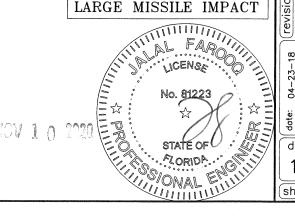
THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1119.10

Expiration Date <u>08/30/2023</u>

By Miami-Dade Product Control



| A code: 04-23-18 | Tevisions: | A code: 04-23-18 | Cevisions: | A code: 04-23-18 | Cevisions

sheet 1 of 7

IITE 220 (C.A.N. 3538) FAX. (305) 262-6978

CORPORATION DUCT DEVELOPMENT

AL-FAROOQ (
ENGINEERS & PROD
9360 SUNSET DRIVE
MIAMI, FLORIDA 331
TEL. (305) 264-8100

ECO WINDOW SYSTEMS, 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885–5299 FAX (305) 8

(L.M.I.)

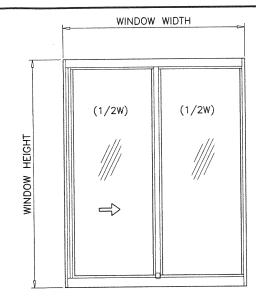
WDW.

ROLLING

SERIES-250 ALUM HORIZ.

10 7/8" MAX. JAMBS

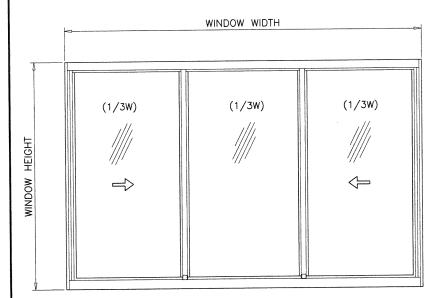
1/2"



XO OR OX

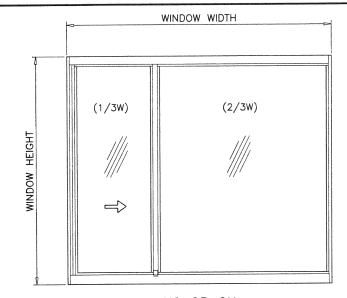
LEFT & RIGHT VENTS TO BE OF EQUAL GLASS DLO WIDTHS

WINDOV	WINDOW DIMS.		MAX. D.L.O. WIDTHS		
WIDTH	HEIGHT	VENT	FIXED		
84"	50-5/8"	38"	38"		
74"	63"	33"	33"		
64"	72"	28"	28"		
61"	76"	26-1/2"	26-1/2"		



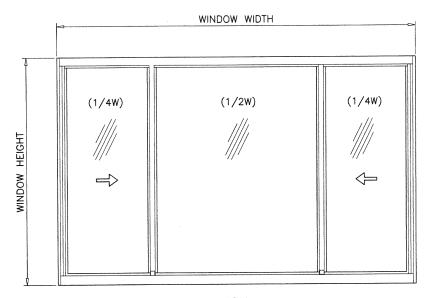
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

WINDOW DIMS.		MAX. D.L.O. WIDTHS		
WIDTH HEIGHT		VENT	FIXED	
120"	50-5/8"	35-13/16"	35-13/16"	
113"	63"	33-7/16"	33-7/16"	
99"	72"	28-13/16"	28-13/16"	
92"	76"	26-7/16"	26-7/16"	



XO OR OX
OPERATING VENT TO BE 1/3 OF THE WINDOW WIDTH

WINDOW DIMS.		MAX. D.L.O. WIDTHS		
WIDTH	HEIGHT	VENT	FIXED	
120"	50-5/8"	37-5/16"	74-11/16"	
106"	63"	32-11/16"	65-5/16"	
93"	72"	28-5/16"	56-11/16"	
88"	76"	26-11/16"	53-5/16"	



XOX

OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

WINDO	W DIMS.	MAX. D.L.O. WIDTHS		
WIDTH	HEIGHT	VENT	FIXED	
144"	50-5/8"	32-7/8"	65-11/16"	
144" 63"		32-7/8"	65-11/16"	
126"	72"	28-3/8"	56-11/16"	
120" 76"		26-7/8"	53-11/16"	

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

INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED USE ABOVE LOADS FOR WINDOWS WITHOUT ADD-ON RISER.

INSTALLATIONS WHERE WATER INFILTRATION REISTANCE IS REQUIRED USE ADD—ON RISER FOR ABOVE LOADS.

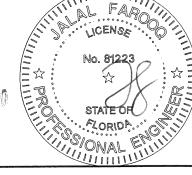
LIMIT MAX. EXTERIOR(+) LOADS TO +60.0 PSF FOR WINDOWS WITHOUT RISER.

SEE SHEET 3 FOR DETAIL.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1119.10

Expiration Date $\underline{08/30/2023}$

Miami-Dade Product Control



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AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI EL ODINA 23473	FAX	00MP-AN / 18-48D-

SERIES-250 ALUM HORIZ. ROLLING WDW. (L.M.I.)

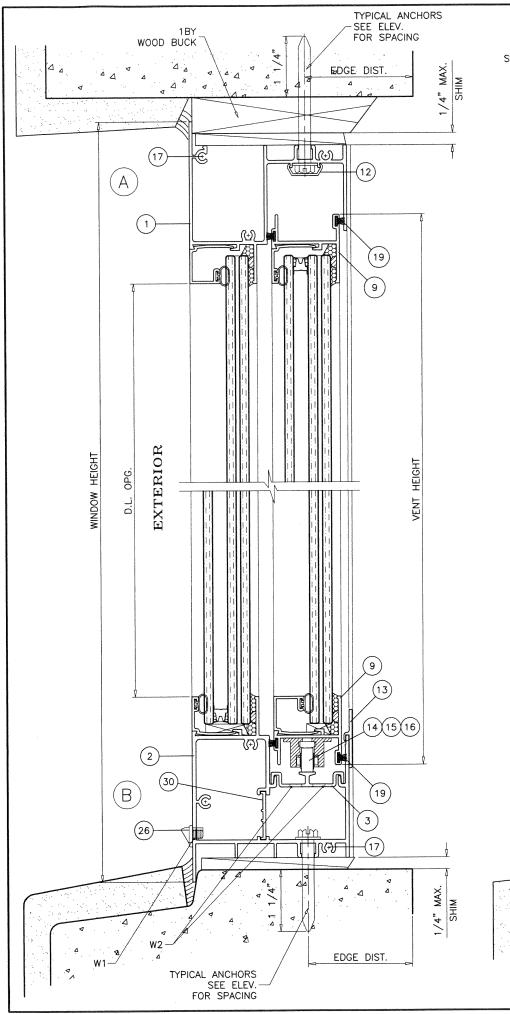
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902
 revisions:
 no date
 by description

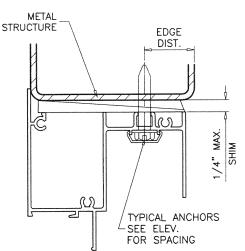
 A 06.14.18
 REV. PER RER COMMENTS

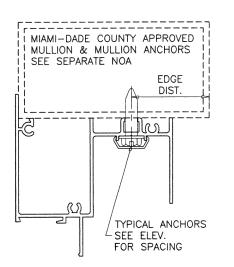
 B 11.05.20
 UPDATED TO 2020 FBC
 drawing no.

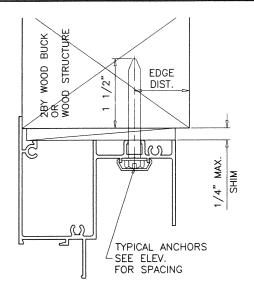
18-48D

sheet 2 of 7







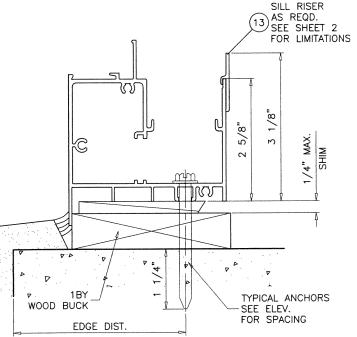


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

WEEPHOLES:

W1 = 1/4" X 2-1/4" WEEPHOLES WITH BAFFLE AT 4" FROM EACH END AND 37-1/2" O.C. MAX.

W2 = (3) 1/4" DIA. WEEPHOLES AT 1/2" O.C. AT CENTER OF EACH LITE



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)

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 OR

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)

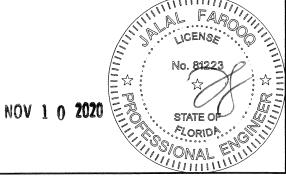
TYPICAL EDGE DISTANCE

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 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

PRODUCT REVISED as complying with the Florida Building Code **NOA-No.** 20-1119.10

Expiration Date 08/30/2023



3538)

CORPORATIONCODUCT DEVELOPMENT
INE, SUITE 220 (C.A.N. 3538 FAX. (305) 262-697

AL-FAROOQ (
ENGINEERS & PROD
9360 SUNSET DRIVE
MIAMI, FLORIDA 331
TEL. (305) 264-8100

O

(L.M.I.)

WDW.

ROLLING

SYSTEMS WINDOW SYSTE N.W. 80th STREET EY, FL. 33166 05) 885–5299 FAX

SERIES-250 ALUM HORIZ. ECO WINDC 8502 N.W. 80 MEDLEY, FL. 3

revisions:

no date by description

A 06.14.18 REV. PER RER COMMENTS

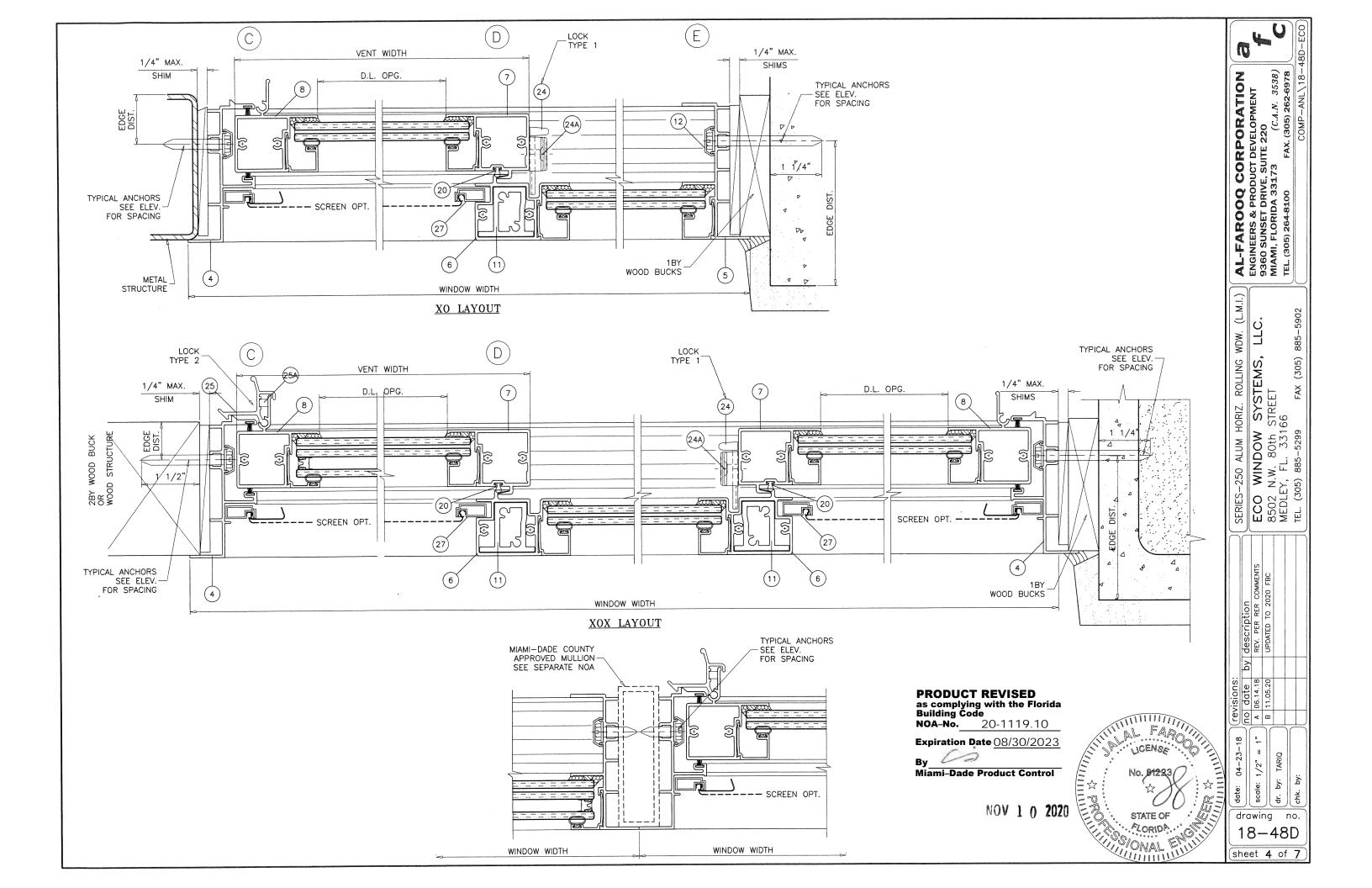
B 11.05.20 UPDATED TO 2020 FBC

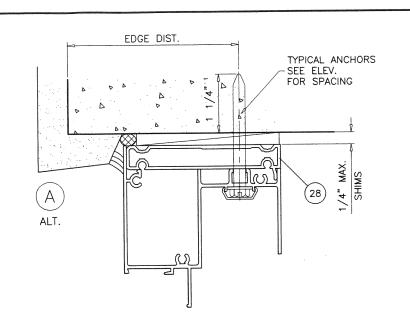
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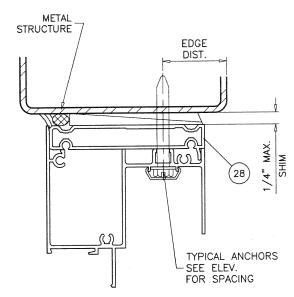
drawing no.

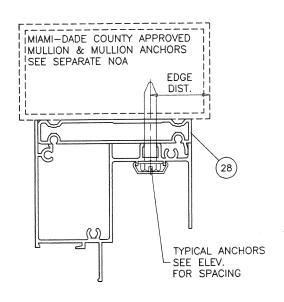
18-48D sheet 3 of 7

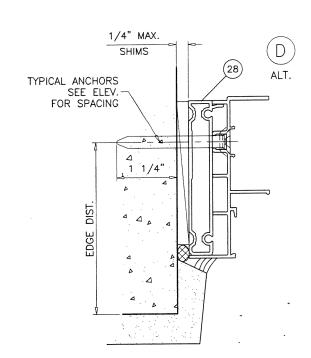
Miami-Dade Product Control

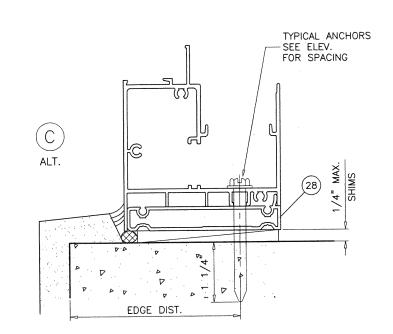












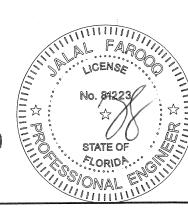
INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1119.10

Expiration Date 08/30/2023

By Miami-Dade Product Control

NOV 1 0 2020



*	revisions:	no date by description	A 06.14.18 REV. PER RER COMMENTS	B 11.05.20 UPDATED TO 2020 FBC			
	date: 04-23-18	Iro	Scale: 1/2" = 1" A	ng	dr. by: TARIQ	no	

sheet 5 of 7

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-250 ALUM HORIZ. ROLLING WDW. (L.M.I.)

ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885-529 FAX (305) 885-59

