

# 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 200" Aluminum Horizontal Rolling Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W14-15 Rev B**, titled "Eco-Guard Series-200 Alum Horiz. Rolling Wdw. (S.M.I.)", sheets 1 through 6 of 6, dated 04/02/14 and last revised on OCT 31, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration 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 renews NOA No. 17-1102.24 and consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

MIAMI-DADE COUNTY)
APPROVED

NOA No. 19-0219.09 Expiration Date: June 19, 2024 Approval Date: March 21, 2019 Page 1

3/14/19

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA No. 14-0415.05

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No W14-15, titled "Eco-Guard Series-200 Alum. Horiz. Rolling Wdw. (S.M.I.)", sheets 1 through 6 of 6, dated 04/02/14, with revision A dated 05/28/14, 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

along with marked—up drawings and installation diagram of an Eco-Guard series 200 aluminum horizontal rolling window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7748**, dated 03/10/14, signed and sealed by Marlin D. Brinson, P.E.

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 5<sup>th</sup> **Edition (2014)**, dated 04/01/14, prepared by Al-Farooq Corporation, 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. 13–0129.27 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 04/11/13, expiring on 12/11/16.

## F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC-5**<sup>th</sup> **Edition (2014)**, and of no financial interest, dated April 02, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Proposal issued by the Product Control Section, dated 01-29-14, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.

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1. None.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0219.09
Expiration Date: June 19, 2024
Approval Date: March 21, 2019

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #17-1102.24

#### A. DRAWINGS

1. Drawing No **W14-15**, titled "Eco-Guard Series-200 Alum. Horiz. Rolling Wdw. (S.M.I.)", sheets 1 through 6 of 6, dated 04/02/14, with revision **B** dated 10/24/17, 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 5<sup>th</sup> Edition (2014), with FBC 6<sup>th</sup> Edition (2017), and of no financial interest, dated October 12, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

#### G. OTHERS

1. Notice of Acceptance No. **14-0415.05**, issued to Eco Window Systems, LLC for their Series "Eco–Guard 200" Aluminum Horizontal Rolling Window – S.M.I., approved on 06/19/14 and expiring on 06/19/19.

## 3. NEW EVIDENCE SUBMITTED

## A. DRAWINGS

1. Drawing No. **W14-15 Rev B**, titled "Eco-Guard Series-200 Alum Horiz. Rolling Wdw. (S.M.I.)", sheets 1 through 6 of 6, dated 04/02/14 and last revised on OCT 31, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

В.	TESTS

1. None.

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor NOA No. 19-0219.09

Expiration Date: June 19, 2024 Approval Date: March 21,2019

## Eco Window Systems, LLC.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## 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

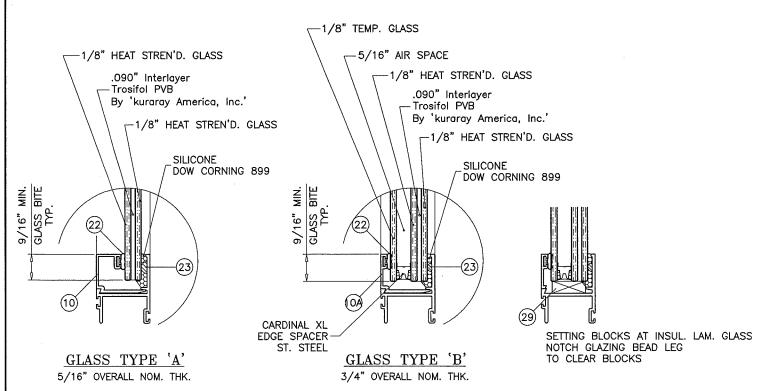
1. Statement letter of conformance, complying with **FBC** 6<sup>th</sup> **Edition (2017)**, dated February 07, 2019, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

## G. OTHERS

1. Notice of Acceptance No. 17-1102.24, issued to Eco Window Systems, LLC for their Series "Eco-Guard 200" Aluminum Horizontal Rolling Window - S.M.I., approved on 06/19/14 and expiring on 06/19/19

Ishaq I. Chanda, P.E. Product Control Unit Supervisor

NOA No. 19-0219.09 Expiration Date: June 19, 2024 Approval Date: March 21,2019



GLAZING OPTIONS

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.

## ECO-GUARD SERIES-200 ALUMINUM HORIZONTAL ROLLING WINDOW

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 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.

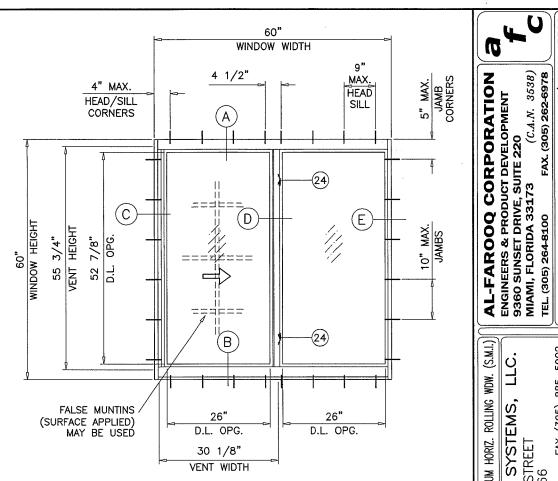
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.



## TYPICAL ELEVATION

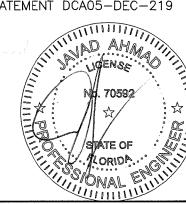
GLASS TYPES 'A' & 'B'-MAXIMUM DESIGN LOAD RATING = + 67.0 PSF (FOR SIZES SHOWN ABOVE OR SMALLER) - 119.0 PSF

> PRODUCT RENEWED as complying with the Morida Building Code Acceptance No 19 - 0219.09 Expiration Date TUNE 19, 2024 By 19h-9 1. Chans Miami Dade Product Control

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

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-1102-24 Expiration Date obli9/2019

Sifang Zhao Miami Dade Froduct Control



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(S.M.I.)

ROLLING

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ALUM

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WINDOW SYSTEMS, N.W. 80th STREET EY, FL. 33166 305) 885–5299 FAX (305) 88

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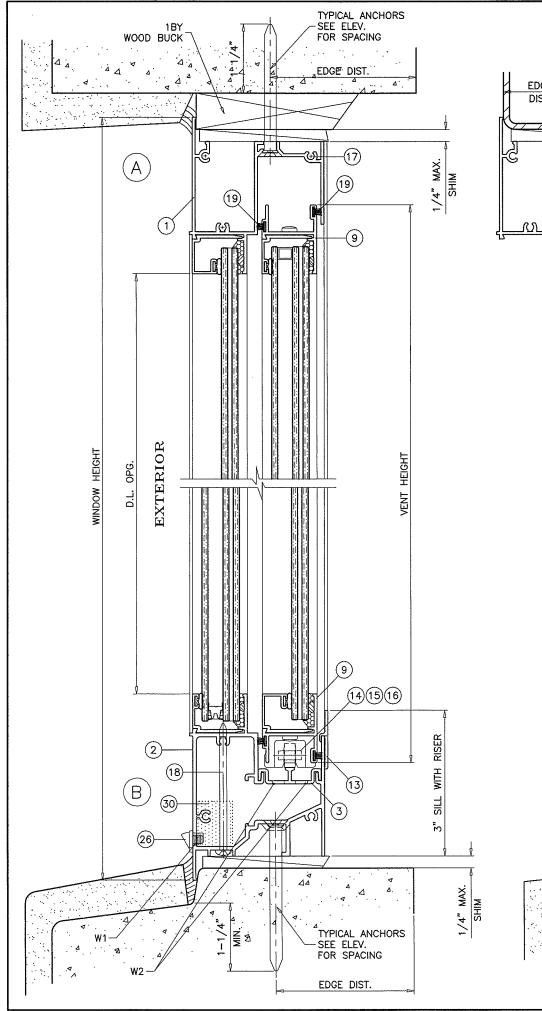
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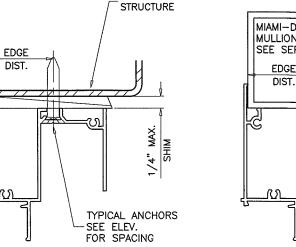
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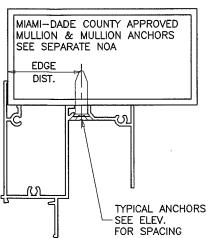
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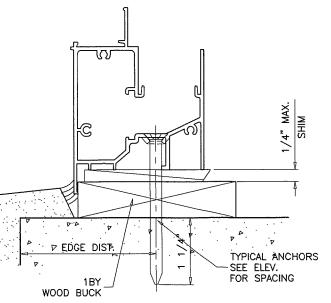
## WEEPHOLES:

W1 = 1/4" X 1-1/2" WEEPHOLES WITH BAFFLE AT 3-3/4" FROM EACH END AND AT MIDSPAN

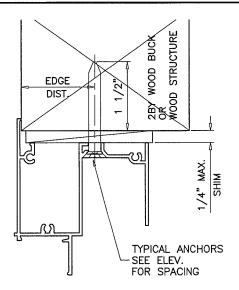
W2 = 1/4" X 1" WEEPHOLES AT 10-5/8" FROM EACH END AND AT MIDSPAN

## SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH JOINT SEALER.



PRODUCT RENEWED as complying with the Florids **Buiding Code** 19-0219.09 Acceptance No Expiration Date 6 19 2024 Miami Dade Product Control



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING 1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI) 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

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)

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

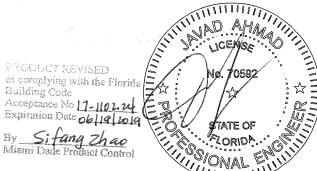
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS

INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE 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 MASONRY = 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.



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

(S.M.I.)

ROLLING

ALUM

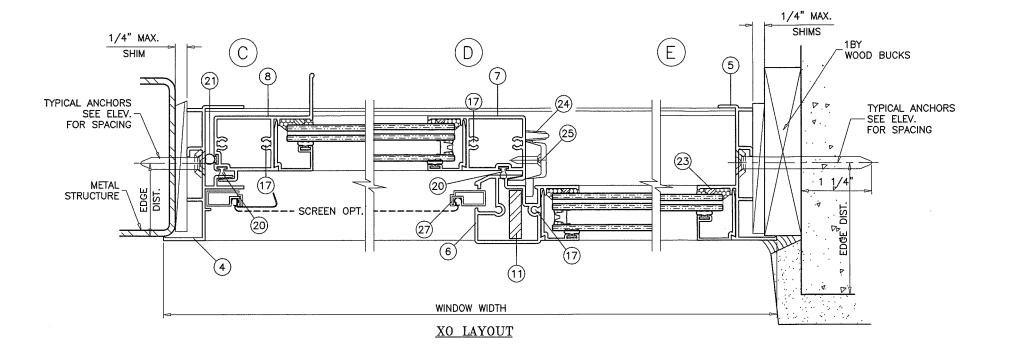
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ECO WINDOW SYSTEMS, 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885–5299 FAX (305) 88

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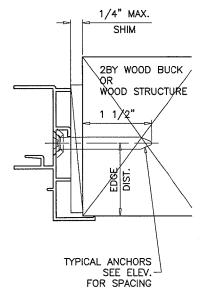
TYPICAL ANCHORS
SEE ELEV. FOR SPACING

WINDOW WIDTH

---SCREEN OPT.

MIAMI-DADE COUNTY APPROVED MULLION-SEE SEPARATE NOA

WINDOW WIDTH



PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 19-0219-09 Expiration Date 611912024

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PRODUCT REVISED as complying with the Florid Building Code Acceptance No 1-1102.24 Expiration Date 06/19/20

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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

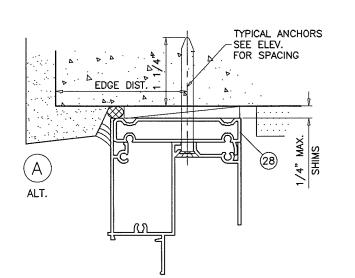
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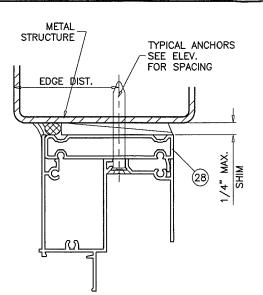
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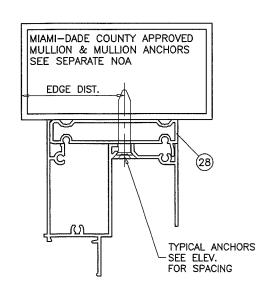
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8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 883

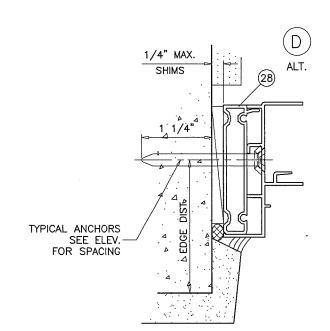
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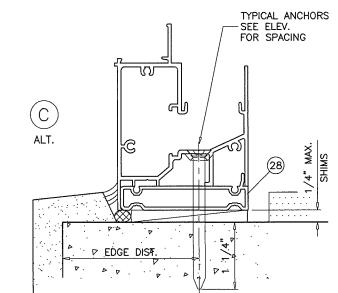








PRODUCT RENEWED
as complying with the Florida
Building Code
Building Code
Acceptance No 19-6219.09
Expiration Date 6 119 12024
By (Shange)
Miami Dade Product Control



## INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

sa complying with the Florida
Building Code
Acceptance No 11-1102.24
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By Sifmg 2hao
Miami Dade Product Control

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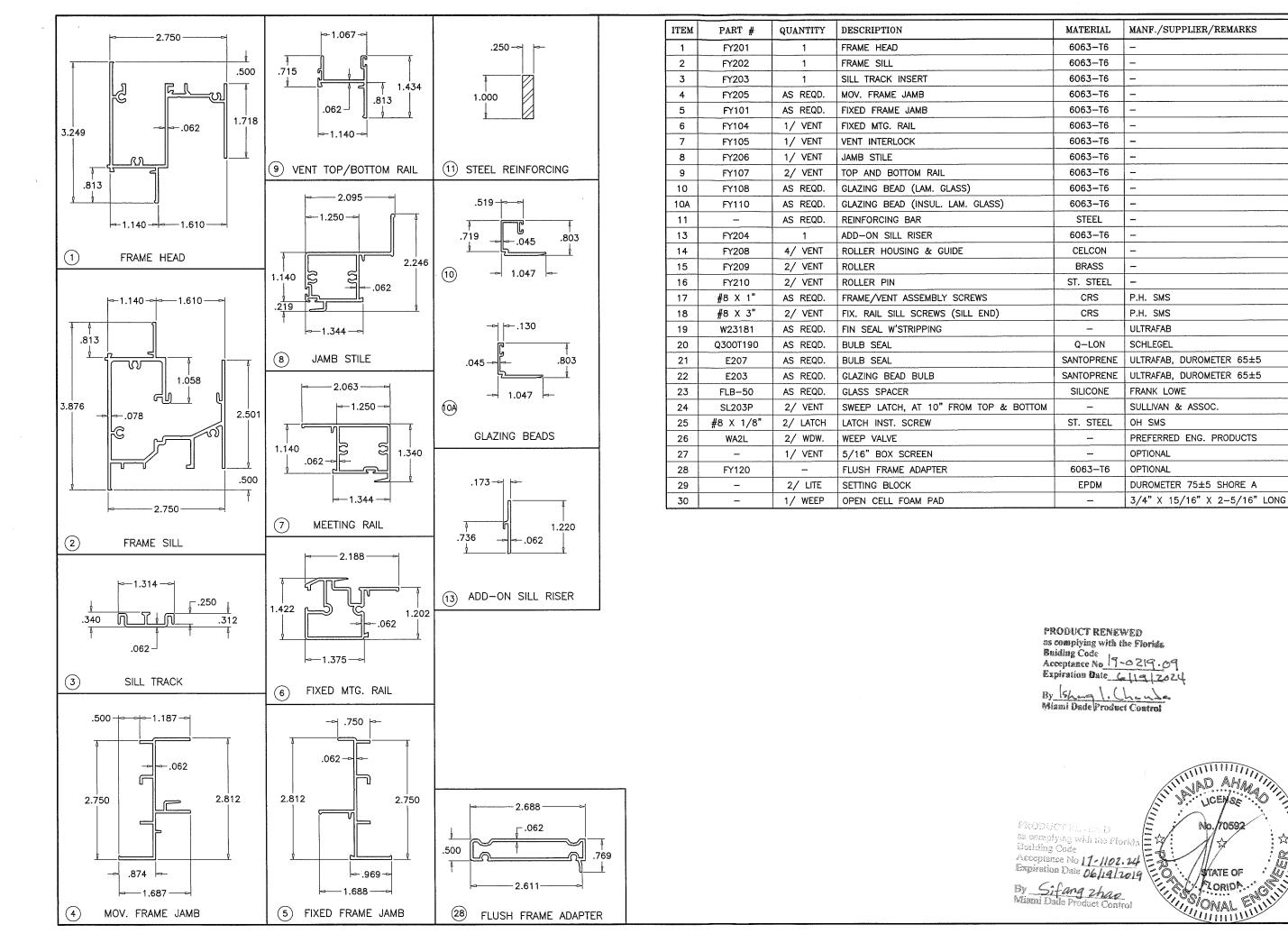
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978 ECO-GUARD SERIES-200 ALUM HORIZ. ROLLING WDW. (S.M.I.)

ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th STREET MEDLEY, FL. 33166

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



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 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33173
 (C.A.N. 3538)

 TEL. (305) 264-8100
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ECO WINDOW SYSTEMS 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885–5299 FAX (305)

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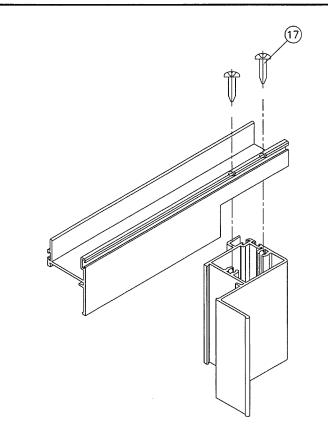
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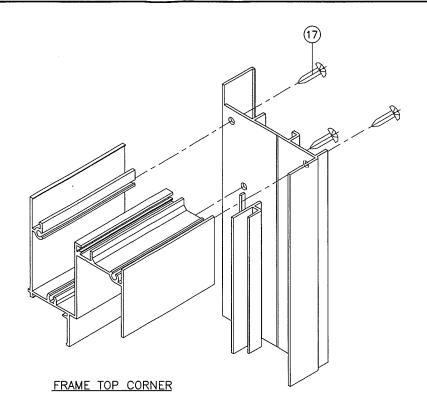
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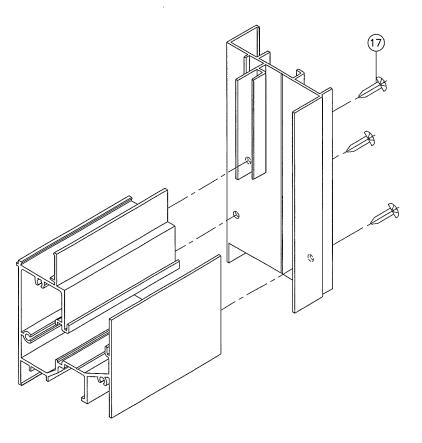
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sheet 5 of 6



VENT TOP/BOTTOM CORNERS





FRAME BOTTOM CORNER

PRODUCT RENEWED
as complying with the Florids.
Building Code
Acceptance No 19-6219.69
Expiration Date 6 [19]2024

By Isha Miami Dade Product Control

Particle of the Ploride Bestding Code Acceptance No 11-1102.24 Expiration Date of 14 12019 By <u>Sifang 2hao</u> Miami Dade Product Control

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AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
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ECO-GUARD SERIES-200 ALUM HORIZ. ROLLING WD
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8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885

FAX (305) 885-5902

FIXED MTG. RAIL CORNER