

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

## **NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA 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 8502 NW 80<sup>th</sup> 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 850-16 Glass & Aluminum Sectional Garage Door up to 16'-0" Wide

**APPROVAL DOCUMENT:** Drawing No. 17-12, titled "Series 850-16 Alum/Glass Sectional Garage Door (L.M.I.)", sheets 1 through 8 of 8, dated 04/25/17, with Rev "B" dated 08/09/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami–Dade County Product Control Section 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:** A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**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, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 17-0615.03 Expiration Date: October 19, 2022 Approval Date: October 19, 2017

Page 1

MIAMI-DADE COUNTY
APPROVED
10/11/2017

## Eco Window Systems, LLC

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 17-12, titled "Series 850-16 Alum/Glass Sectional Garage Door (L.M.I.)", sheets 1 through 8 of 8, dated 04/25/17, with Rev "B" dated 08/09/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

## B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 4) Forced Entry Test, per FBC, TAS 202-94

along with marked-up drawings and installation diagram of 16'-0"x 8', Series 850 aluminum/glass sectional garage door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-9442, dated 04/06/17, signed and sealed by Idalmis Ortega, P.E.

## C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Edition (2014) and FBC 6<sup>th</sup> Edition (2017), dated 06/13/17, prepared by Al-Farooq Corporation, 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

Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/19/17, expiring on 07/08/19.

#### F. STATEMENTS

1. Statement letter of conformance to FBC 5<sup>th</sup> Edition (2014) and FBC 6<sup>th</sup> Edition (2017), and of no financial interest, dated 08/02/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E

#### G. OTHERS

1. None.

Jorge M. Plasencia, P.E. Product Control Unit Supervisor NOA No. 17-0615.03

Expiration Date: October 19, 2022 Approval Date: October 19, 2017

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

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

## SERIES 850-16 ALUMINUM/GLASS SECTIONAL GARAGE DOOR

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).

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.

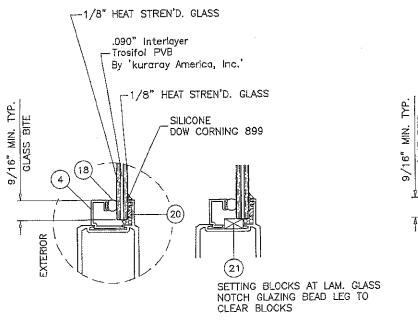
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

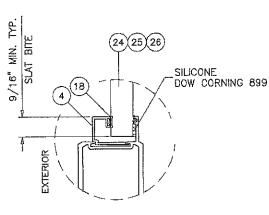
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.





5/16" LAM. GLASS

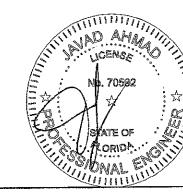
SLAT INSERTS

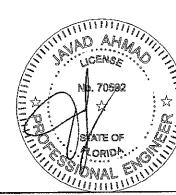
GLAZING OPTIONS

PRODUCT APPROVED as complying with the Florida Building Code 17-0615.03

Approval Date 10/19/2017

Miami-Dade Product Control





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 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

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

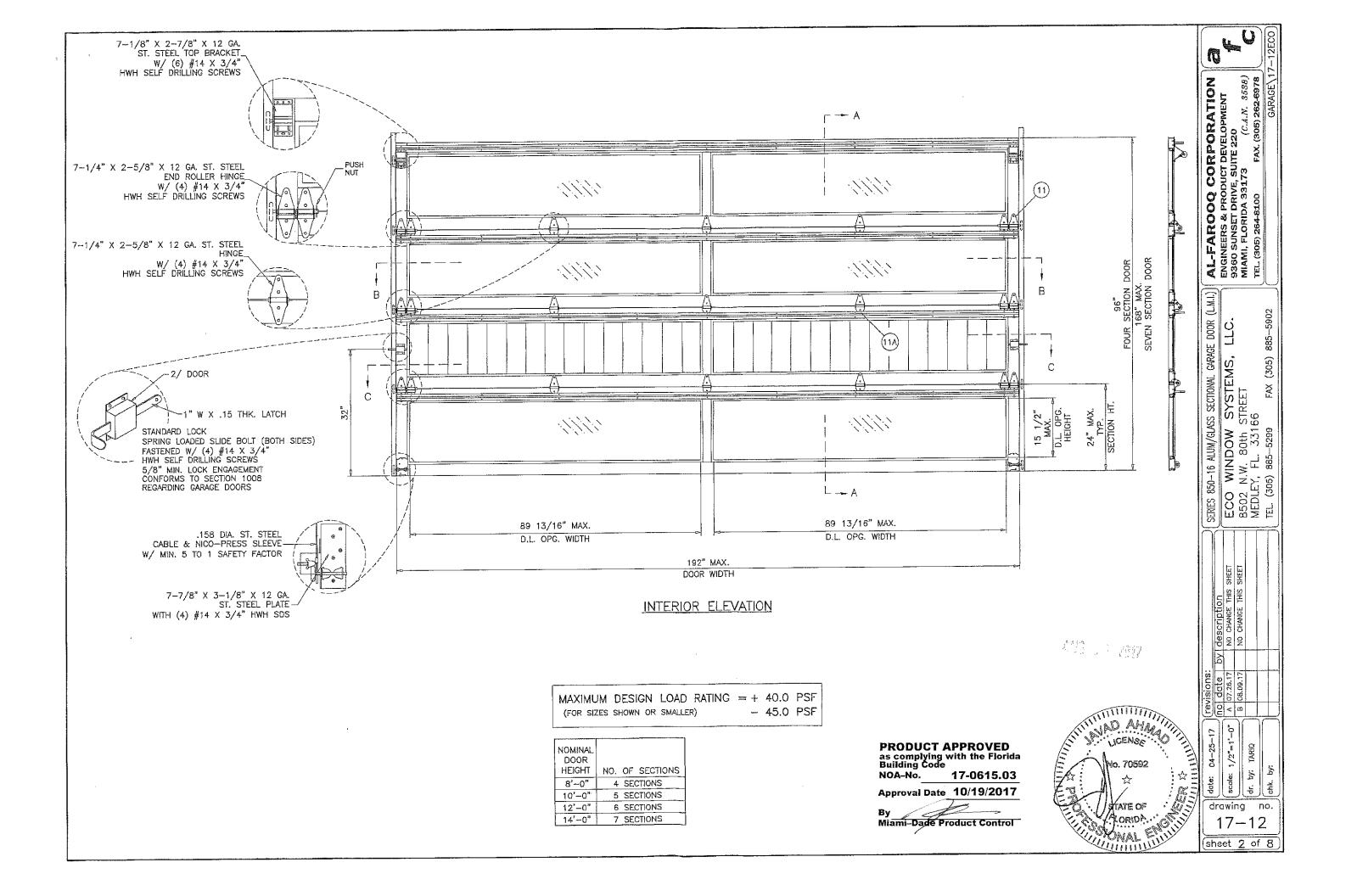
 TEL. (305) 264-8100
 FAX. (305) 262-6978

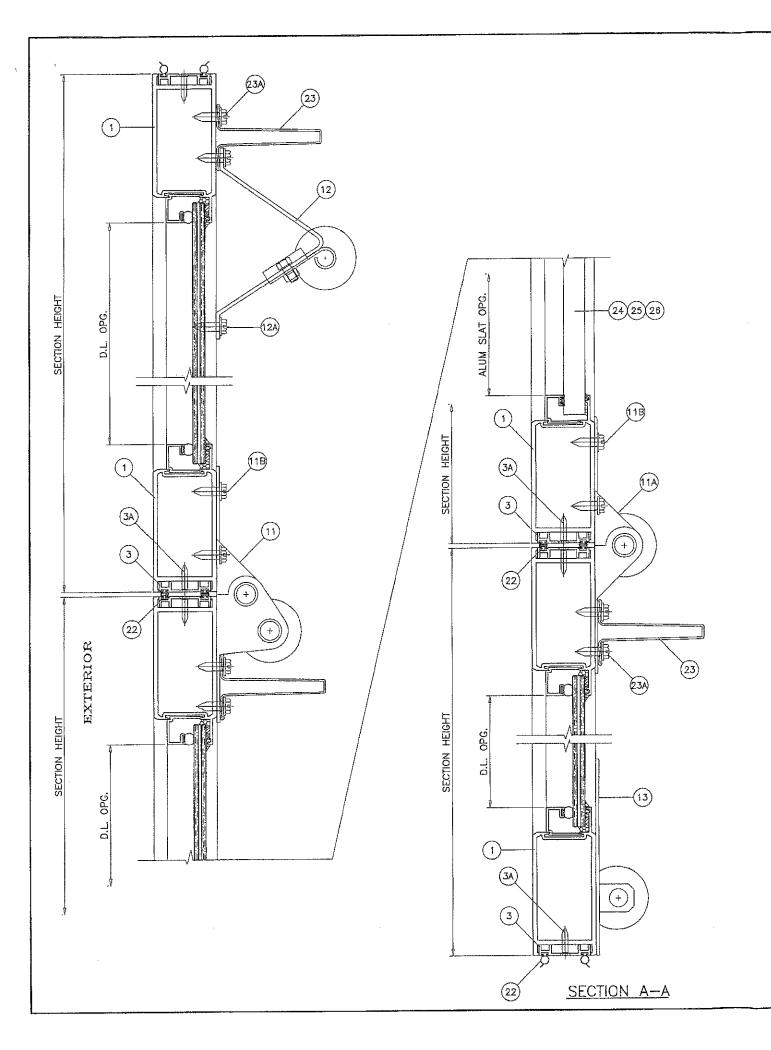
(L.M.I.)

SECTIONAL GARAGE

ECO WINDOW SYSTEMS, 18502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885–5299 FAX (305) 88

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AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33.173 (C.A.N. 3538)

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

GARAGE\17-

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SERIES 850-16 ALUM/GLASS SECTIONAL GARGE DOOR (L.M.I.)

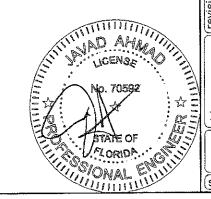
ECO WINDOW SYSTEMS, L.L.C.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL (305) 885-5299 FAX (305) 885-5902

| revisions: | no date | A 07.26.17 | B 08.09.17

PRODUCT APPROVED
as complying with the Florida
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NOA-No. 17-0615.03

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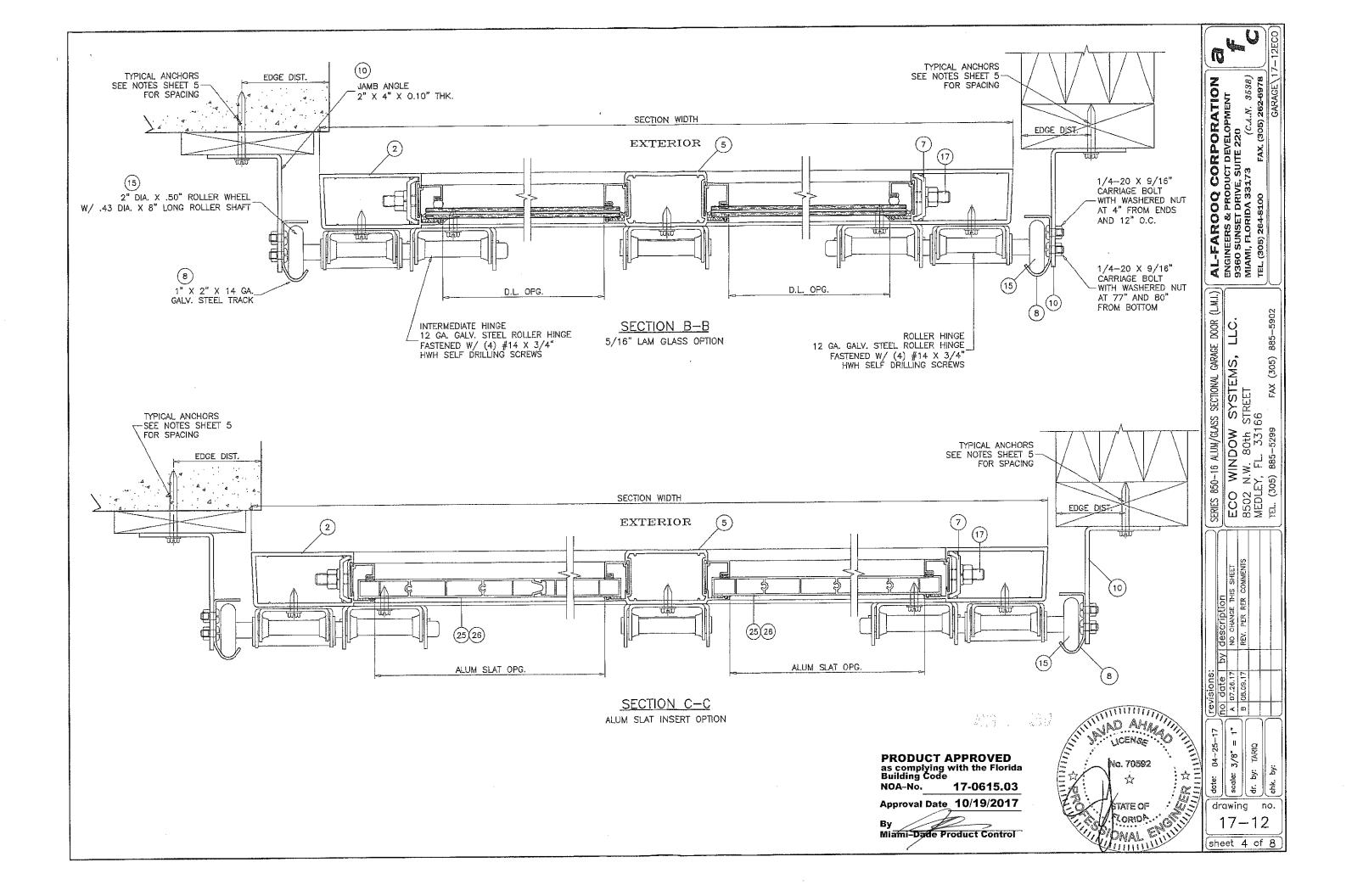
By Miami-Dade Product Control



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# TYPICAL ANCHORS:

5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

THRU 18Y OR 2BY BUCKS INTO CONCRETE 2" MIN. EMBED INTO CONCRETE AT 4" FROM BOTTOM AND 8-3/4" O.C. MAX.

DIRECTLY INTO CONCRETE

2" MIN. EMBED INTO CONCRETE

AT 4" FROM BOTTOM AND 8-3/4" O.C. MAX.

3/8" DIA. KWIK BOLT 3 EXPANSION ANCHOR BY 'HILTI'

DIRECTLY INTO MASONRY

2-1/2" MIN. EMBED INTO FILLED BLOCKS

AT 4" FROM BOTTOM AND 7-1/4" O.C. MAX.

4" MIN. EDGE DISTANCE

5/16" DIA. DRIL-FLEX SCREWS BY 'ELCO' (Fu=100 KSI, Fy=65 KSI)

INTO METAL STRUCTURES

AT 4" FROM BOTTOM AND 8-3/4" O.C. MAX.

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

## 5/16" DIA. LAG SCREWS

INTO WOOD STRUCTURES

2-1/4" MIN. PENETRATION INTO WOOD

AT 4" FROM BOTTOM AND 12" O.C. MAX.

## TYPICAL EDGE DISTANCE

INTO CONCRETE = 3-1/8" MIN.

INTO FILLED BLOCKS = 4" MIN.

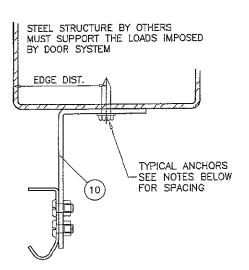
INTO WOOD STRUCTURE = 1-1/2" MIN.

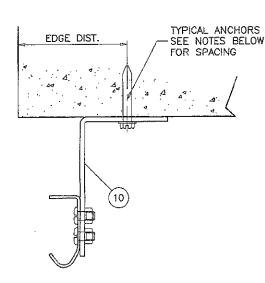
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.

CONCRETE f'c = 3000 PSI MIN.

C-90 GROUT FILLED BLOCK f'm = 2000 PSI MIN.





 AL-FAROOQ CORPORATIO

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33173
 (C.A.N. 365

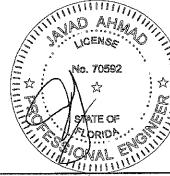
 TEL. (305) 264-81.00
 FAX. (305) 262-69

 E DOOR SERIES 850-16 ALUM/GLASS SECTIONAL GARAGE DC
ECO WINDOW SYSTEMS, LL
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-ECO WIND: 8502 N.W. 8 MEDLEY, FL. TEL (305) 885-

**PRODUCT APPROVED** as complying with the Florida Building Code NOA-No. 17-0615.03

**Approval Date 10/19/2017** 

Miami-Dade Product Control

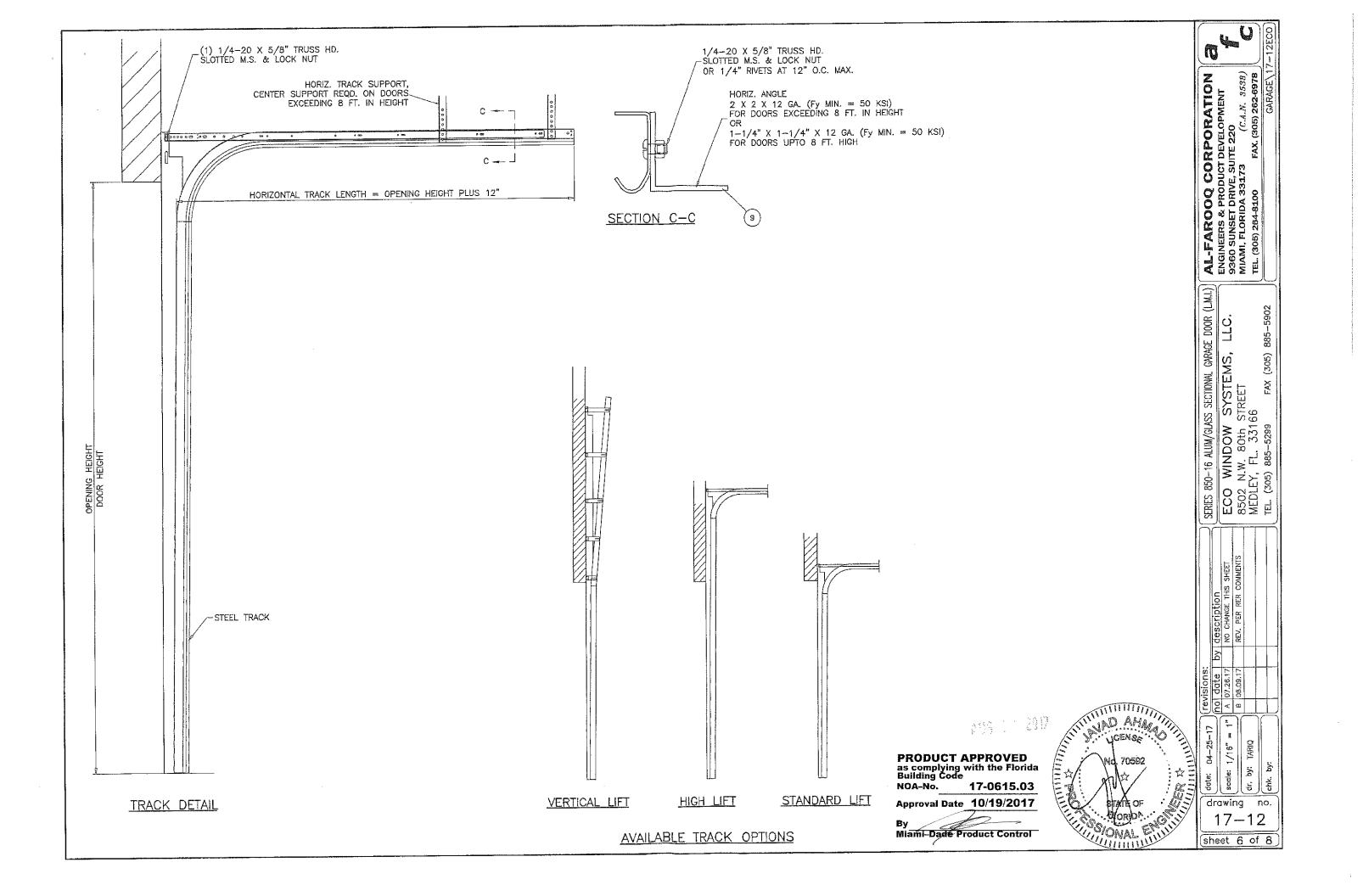


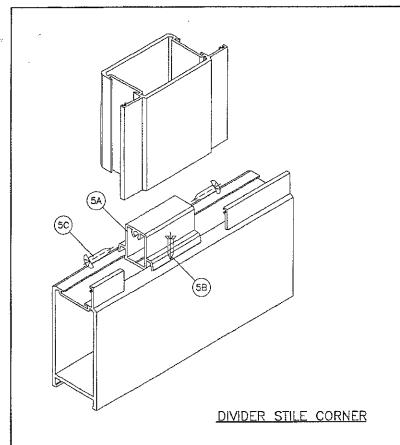
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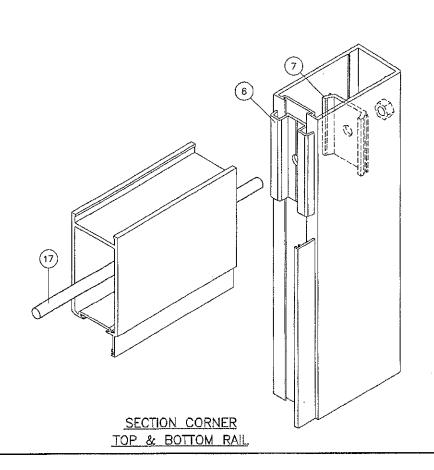
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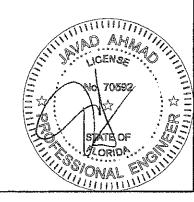


ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E805	2	TOP AND BOTTOM RAIL	6063T6	_
2	E806	2	SIDE RAIL	6063-T6	_
3	E608	AS REQD,	W'STRIP ADAPTER	6063→T6	
3A	#10 X 3/4"	AS REQD.	ADAPTER FASTENERS AT 6" FROM ENDS & 12" O.C.	ST. STEEL	FH SELF DRILLING SCREWS
4	E614	AS REQD.	GLAZING BEAD	6063-T6	_
5	E821	AS REQD.	DIVIDER STILE	6063-T6	_
5A	E822	AS REQD.	DIVIDER SHEAR BLOCK	6063-T6	_
5B	#10 X 3/4"	AS REQD.	SHEAR BLOCK FASTENERS	ST. STEEL	FH SELF DRILLING SCREWS
5C	#12 X 1-1/2"	AS REQD.	DIVIDER ASSEMBLY SCREWS	ST. STEEL	TC MS
6	E612	4/ SECTION	ALIGNMENT BRACKET	6063-T6	-
7	E613	4/ SECTION	CLAMP	6063-T6	_
8		2	DOOR TRACK	ST. STEEL	_
9		2	HORIZONTAL ANGLE	GALV. STEEL	Fy MIN. = 50 KSI
10	_	AS REQD.	JAMB ANGLE	ST. STEEL	Fy MIN. = 42 KSI
11	_	AS REQD.	ROLLER HINGES	ST. STEEL	
11A	-	AS REQD.	ROLLER/CENTER HINGES	ST. STEEL	-
118	#14 X 3/4"	AS REQD.	HINGE FASTENERS	ST. STEEL	HWH SELF DRILLING SCREWS
12	-	2	TOP BRACKET	ST. STEEL	
12A	#14 X 3/4"	6/ BRACKET	BRACKET FASTENERS	ST. STEEL	HWH SELF DRILLING SCREWS
13		2	BOTTOM FIXTURE	ST. STEEL	_
14	<del></del>	2	STANDARD LOCK	_	_
15	_	AS REQD.	2" ROLLER WITH 8" STEM	STEEL	
16	H107	2	5/32" SPRING LIFT CABLE	ST. STEEL	_
17	. –	<u> </u>	3/8" DIA. THREADED ROD & NUT	STEEL	_
18	Valent	AS REQD.	GLAZING VINYL	EPDM	DUROMETER 70±5 SHORE A
20	philips		GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
21	<del>-</del>	2/ LITE	SETTING BLOCK, 1/4" X 1/2" X 4" LONG	EPDM	AT 6" FROM EACH END, DUROMETER 65±5
22	E20618-KN-3020		BULB W'STRIPPING	SANTOPRENE	EPDM
23	_	1	REINFORCING TRUSS, FULL LENGTH	GALV. STEEL	Fy MIN. = 50 KSI
23A	#14 X 3/4"	AS REQD.	TRUSS FASTENERS, AT 1-1/2" FROM ENDS & 24" O.C.	ST. STEEL	HWH SELF DRILLING SCREWS
24	EK-5	AS REQD.	INTERMEDIATE SLAT	6063T5	-
25	EK-2	AS REQD.	END SLAT, TYPE 1	606375	-
26	EK-3	AS REQD.	END SLAT, TYPE 2	6063-T5	_

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		by description	NO CHANGE THIS SHEET	REV. PER RER COMMENTS	,		
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| AL-FAROOQ CORPORATION | Engineers & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 | MIAMI, FLORIDA 33173 (C.A.N. 3638) | TEL (305) 264-8100 | FAX. (305) 262-6978 | CARAGE | TEL (305) 264-8100 | FAX. (305) 262-6978 | CARAGE | TARAGE | TARAGE

SERIES 850-16 ALUM/GLASS SECTIONAL GARAGE DOOR (LM.I.)

ECO WINDOW SYSTEMS, LLC.

8502 N.W. 80th STREET

MEDLEY, FL. 33166

TEL (305) 885-5299 FAX (305) 885-5802

