

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 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 850-16 Aluminum and Glass 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 revision **D** dated 09/10/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. on 10/07/2020, bearing the Miami–Dade County Product Control Section renewal 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 **renews NOA # 20-0722.07** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.



5,2. 02/17/2022

NOA-No. 22-0105.02 Expiration Date: October 19, 2027 Approval Date: February 17, 2022

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 17-0615.03

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**th **Edition (2014)** and **FBC 6**th **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. OUALITY 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 Glass Interlayers**" dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to FBC 5th Edition (2014) and FBC 6th 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.

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Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 22-0105.02
Expiration Date: October 19, 2027
Approval Date: February 17, 2022

E - 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 20-0722.07

A. DRAWINGS

1. 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 revision **D** dated 09/10/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. on 10/07/2020.

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 04/06/2017, revised on 07/09/2020 and on 10/05/2020, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with **FBC** 6th **Edition (2017)** and **FBC** 7th **Edition (2020)**, dated 07/09/2020, with revision dated 10/06/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/2019, expiring on 07/08/2024.

Sifang Zhao, P.E. Product Control Examiner NOA-No. 22-0105.02

Expiration Date: October 19, 2027 Approval Date: February 17, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance to **FBC** 6th **Edition (2017)** and **FBC** 7th **Edition (2020)**, and of no financial interest, dated 07/09/2020, prepared by Al–Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
- 2. Statement letter confirming the material tested was 14 ga. galvanized steel for all hinges, side tracks and installation angle, issued by Fenestration Testing Laboratory, Inc., dated 10/22/2020, signed and sealed by Idalmis Ortega, P.E.

G. OTHERS

1. Notice of Acceptance No. 17-0615.03 issued to Eco Window Systems, LLC for their "Series 850-16 Aluminum and Glass Sectional Garage Door up to 16'-0" Wide" dated 10/19/2017, expiring on 10/19/2022.

3. New evidence submitted

- A. DRAWINGS
 - 1. None.
- 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. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)**, and of no financial interest, dated 11/30/2021, prepared by Al–Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

Notice of Acceptance No. **20-0722.07** issued to **Eco Window Systems, LLC** for their "**Series 850-16 Aluminum and Glass Sectional Garage Door up to 16'-0" Wide**" dated 12/03/2020, expiring on 10/19/2022.

END OF THIS ACCEPTANCE

Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 22-0105.02
Expiration Date: October 19, 2027
Approval Date: February 17, 2022

NOTE: 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.

<u>SERIES 850-16</u> ALUMINUM/GLASS SECTIONAL GARAGE DOOR

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).

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.

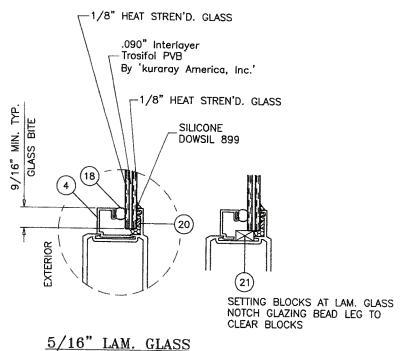
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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)'. 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.



SLAT INSERTS

24 25 26

SILICONE DOWSIL 899

GLAZING OPTIONS

PRODUCT REVISED

Strong

NOA-No.

as complying with the Florida Building Code

Expiration Date 10/19/2022

Miami-Dade Product Control

20-0722.07

Expiration Date <u>10 / 19 / 2027</u>

00 Miami-Dade Product Control



no date
A 07.26.17
B 08.09.17
C 06.20.20
D 09.10.20

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

GARAGE

885-5902

(305)

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

description
UPDATED TO 2017 FBC
NO CHANGE THIS SHEET
GENERAL REVISION
REV. PER RER COMMENTS

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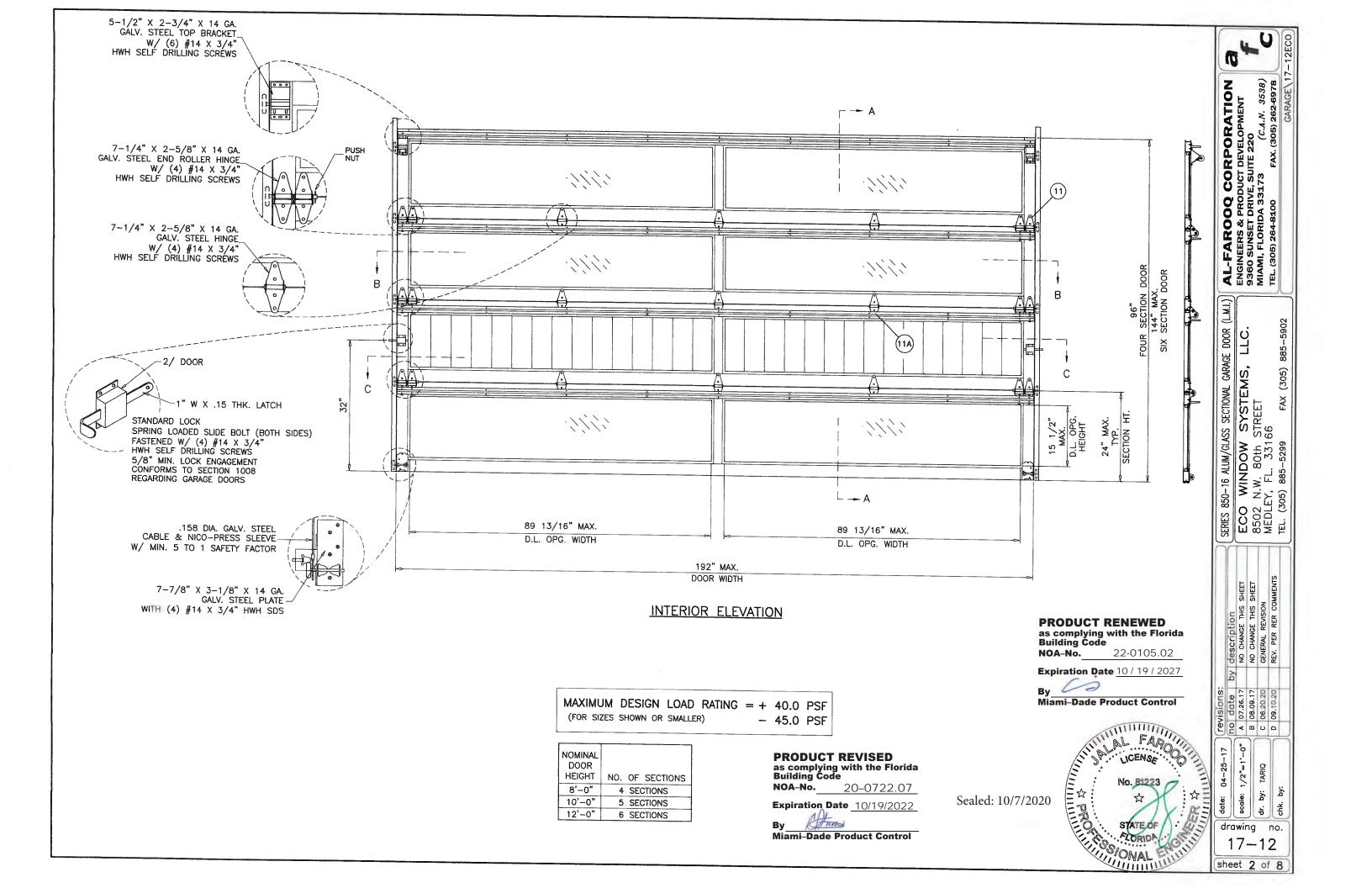
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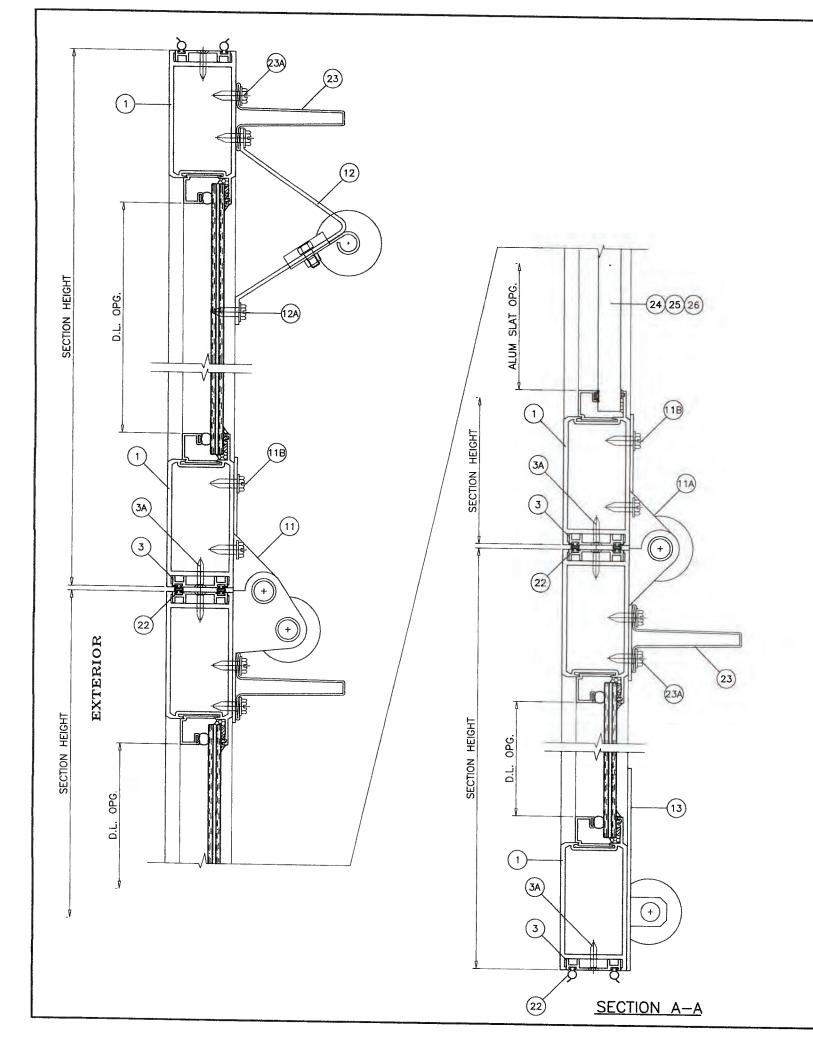
drawing

sheet 1 of 8

PRODUCT RENEWED as complying with the Florida Building Code **NOA-No.** 22-0105.02

Sealed: 10/7/2020





PRODUCT RENEWED
as complying with the Florida
Building Code

NOA-No. 22-0105.02 **Expiration Date** <u>10 / 19 / 2027</u>

By Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code **NOA-No.** 20-0722.07

Expiration Date 10/19/2022 Strong

Miami-Dade Product Control

Sealed: 10/7/2020

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drawing sheet 3 of 8

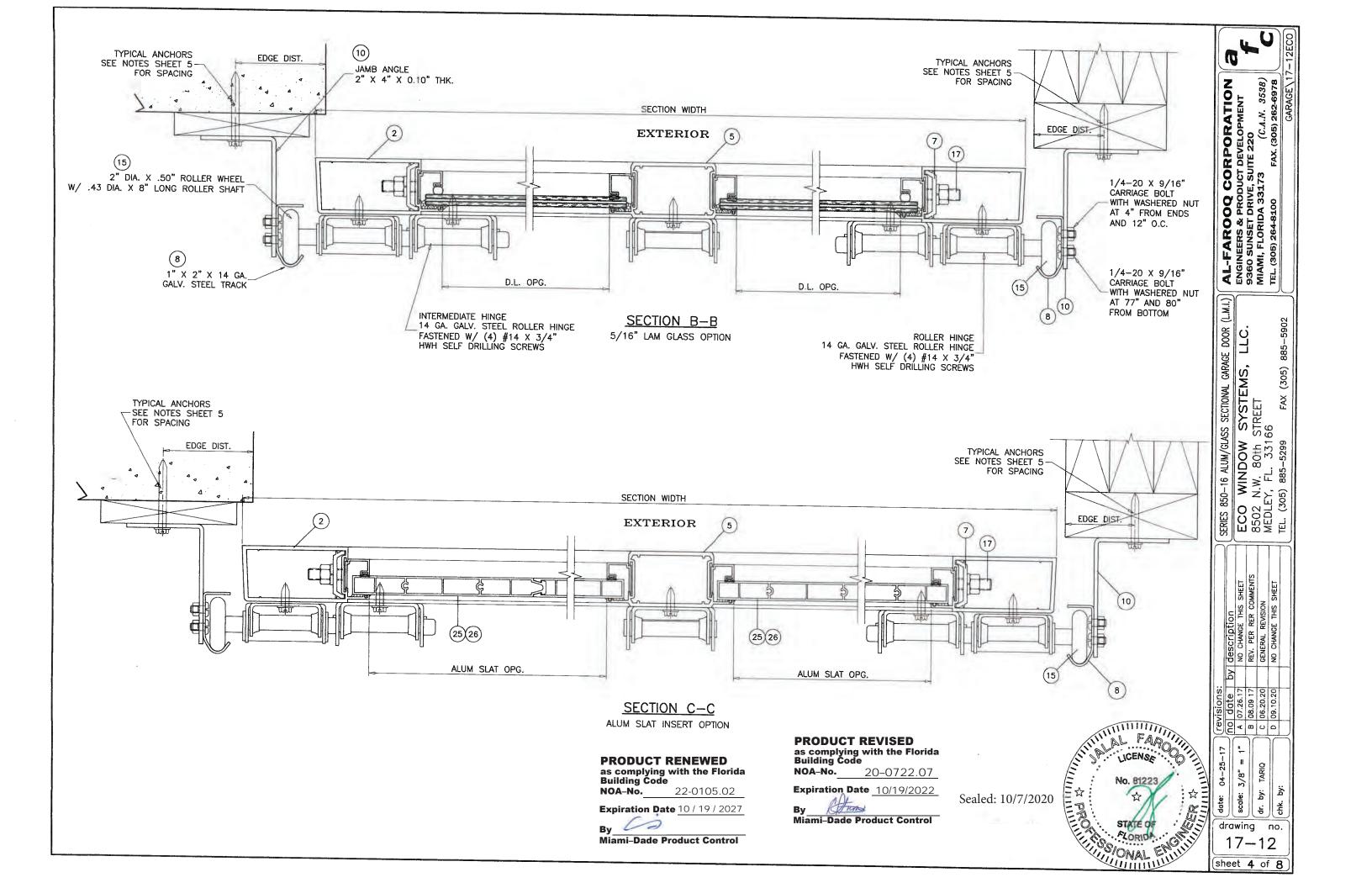
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)

LLC.

S 850-16 ALUM/GLASS SECTIONAL GARAGE DC CO WINDOW SYSTEMS, LL DLEY, FL. 33166 (305) 885-5299 FAX (305) 885-



TYPICAL ANCHORS:

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

THRU 1BY 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 'DEWALT' (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.

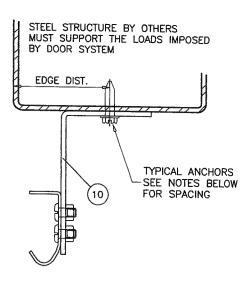
INTO WOOD STRUCTURE = 1-1/2" MIN.

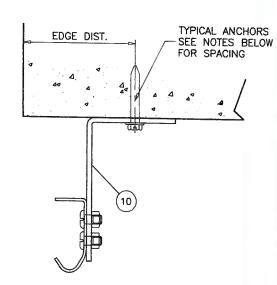
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.

CONCRETE f'c = 3000 PSI MIN.

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





as complying with the Florida Building Code NOA-No. 22-0105.02

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PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0722.07

Expiration Date 10/19/2022

Hums Miami-Dade Product Control



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sheet 5 of 8

 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

(L.M.I.)

GARAGE

SERIES 850-16 ALUM/GLASS

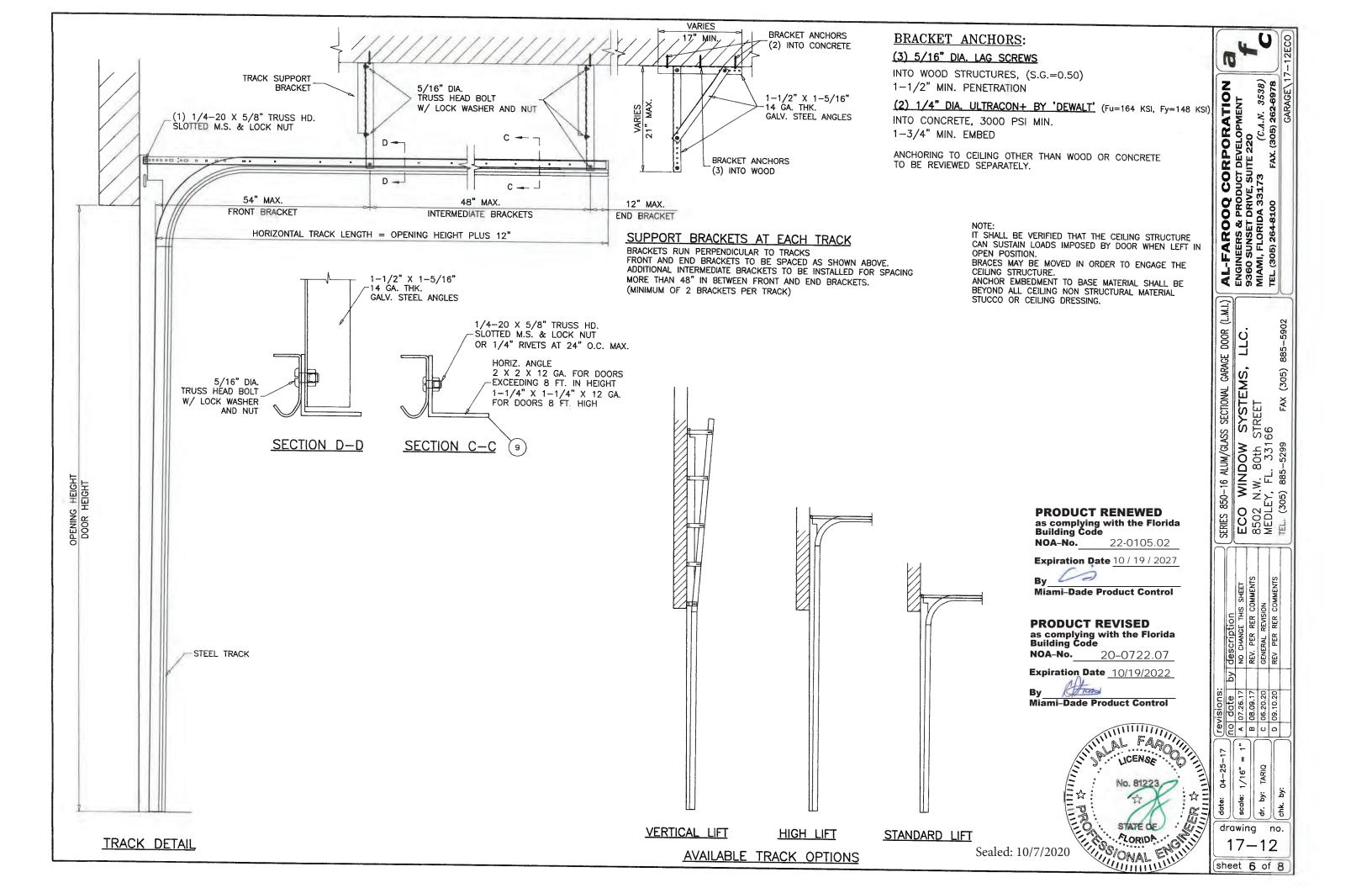
E DOOR

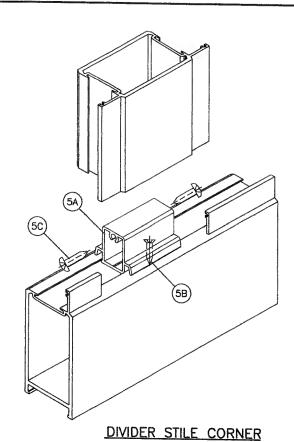
ECO WINDOW SYSTEMS, 1 8502 N.W. 80th STREET MEDLEY, FL. 33166 TEL. (305) 885-5299 FAX (305) 88

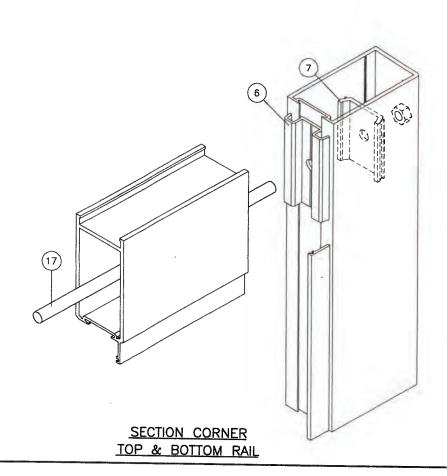
PRODUCT RENEWED

Expiration Date <u>10 / 19 / 2027</u>

Miami-Dade Product Control







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

PRODUCT RENEWED
as complying with the Florida
Building Code NOA-No.

Expiration Date <u>10 / 19 / 2027</u>

By Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code NOA-No. 20-0722.07

Expiration Date 10/19/2022

By

Miami-Dade Product Control



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AL-FAROOQ CORPORATI
ENGINEERS & PRODUCT DEVELOPMEN
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3
TEL. (305) 264-8100 FAX. (305) 262-

FAX (305) 885-5902

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

sheet 7 of 8

