



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 Glass & Aluminum Sectional Garage Door

APPROVAL DOCUMENT: Drawing No. 17-09, titled "Series 850 Alum/ Glass Sectional Garage Door (L.M.I.)", sheets 1 through 7 of 7, dated 02/23/17, with revision B dated 01/18/2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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: 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 revises NOA # 17-0306.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



Carlos M. Utrera
04/09/2018

NOA No. 18-0129.14
Expiration Date: May 18, 2022
Approval Date: April 19, 2018
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS “Submitted under NOA # 17-0306.01”

1. Manufacturer's die drawings and sections.
2. Drawing No. **17-09**, titled “Series 850 Alum/ Glass Sectional Garage Door (L.M.I.)”, sheets 1 through 7 of 7, dated 02/23/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS “Submitted under NOA # 17-0306.01”

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 12'-0"x 8', Series 850 aluminum/glass sectional garage door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9177**, dated 02/17/17, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS “Submitted under NOA # 17-0306.01”

1. Anchor verification calculations and structural analysis, complying with **FBC 5th edition (2014)**, dated 02/21/17, 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 “Submitted under NOA # 17-0306.01”

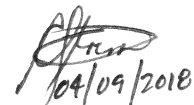
1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayer**” dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS “Submitted under NOA # 17-0306.01”

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated 02/21/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Test proposal # **16-1515**, approved by RER.

G. OTHERS

1. None.



04/09/2018

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0129.14
Expiration Date: May 18, 2022
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **17-09**, titled “Series 850 Alum/ Glass Sectional Garage Door (L.M.I.)”, sheets 1 through 7 of 7, dated 02/23/17, with revision **B** dated 01/18/2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

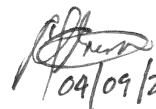
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **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 code conformance to **FBC 6th Edition (2017)**, dated January 16, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.



04/09/2018

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0129.14
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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.

SERIES 850
ALUMINUM/GLASS SECTIONAL GARAGE DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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.

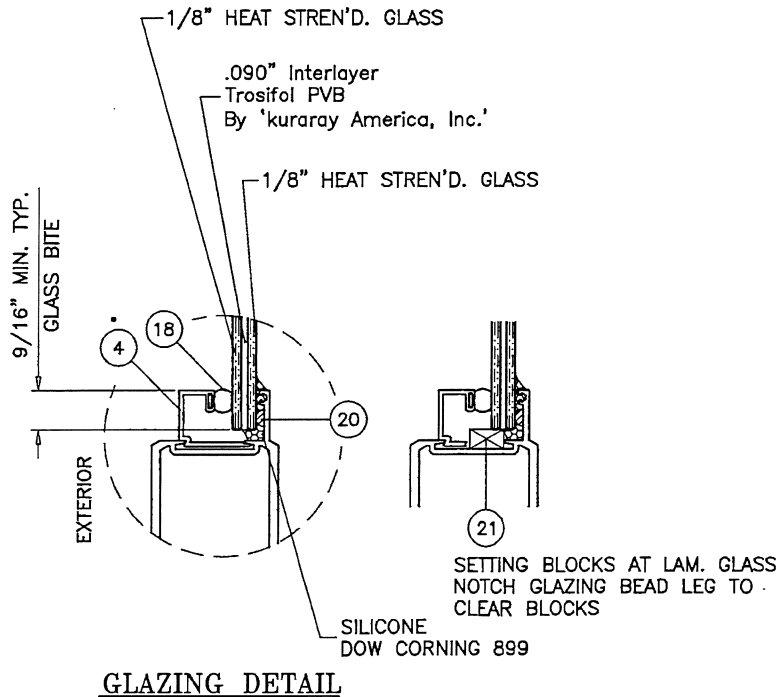
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING 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.

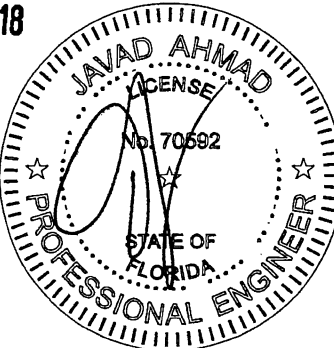
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1710.8.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1710.8.2.



JAN 25 2018

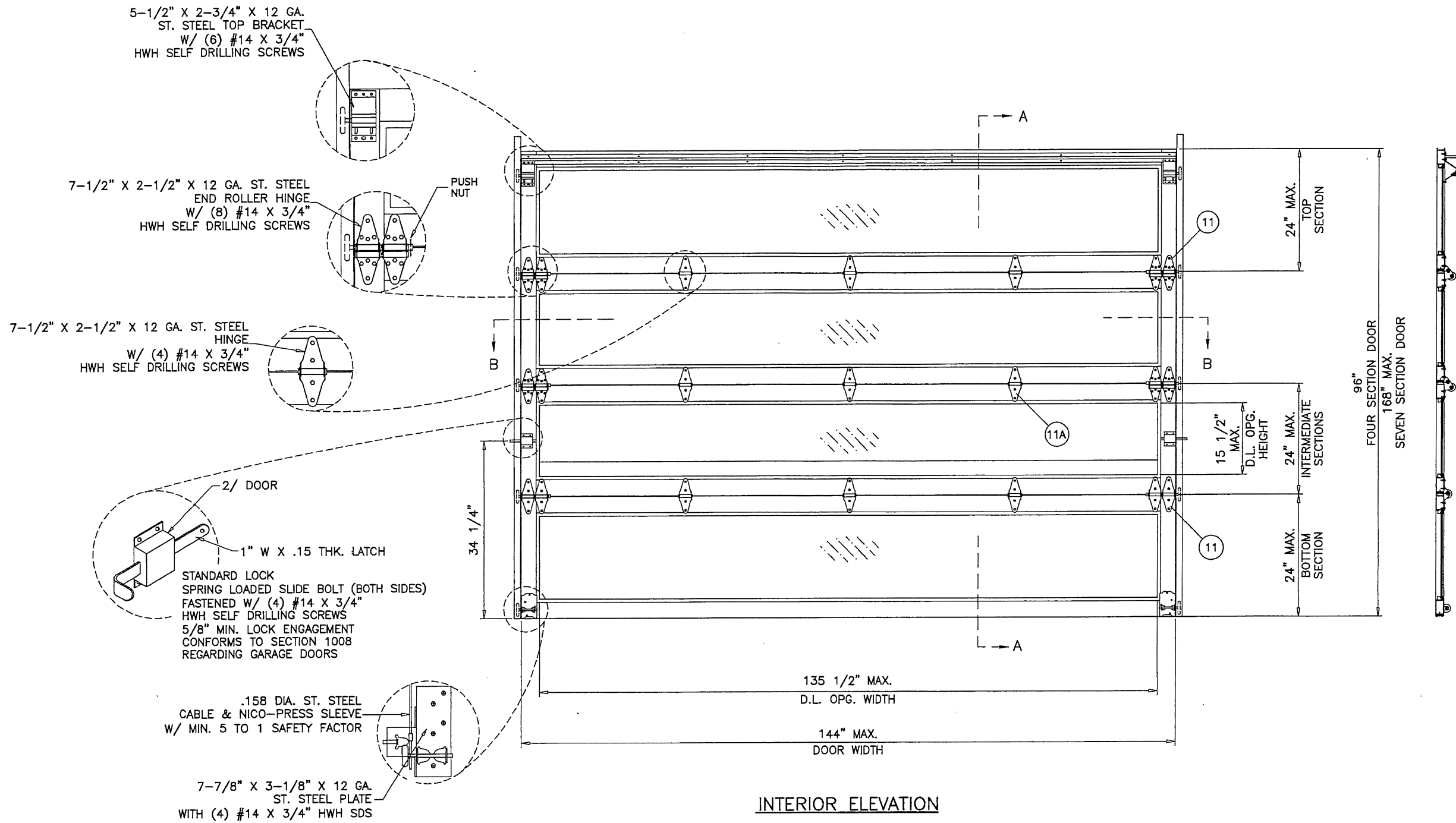
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0129.14**
Expiration Date **05/18/2022**
By *[Signature]*
Miami-Dade Product Control



SERIES 850 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

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 17-09ECO

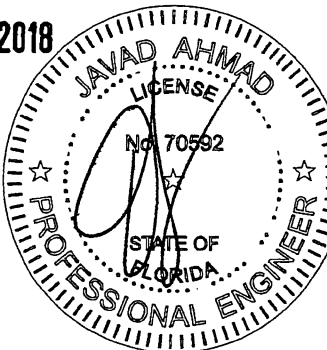
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B	01.18.18		UPDATED TO 2017 FBC
date: 02-23-17		scale: 3/8" = 1"	
		dr. by: TARIQ	
		chk. by:	
drawing no.		17-09	
sheet		1 of 7	



MAXIMUM DESIGN LOAD RATING = + 45.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 55.0 PSF

NOMINAL DOOR HEIGHT	NO. OF SECTIONS
8'-0"	4 SECTIONS
10'-0"	5 SECTIONS
12'-0"	6 SECTIONS
14'-0"	7 SECTIONS

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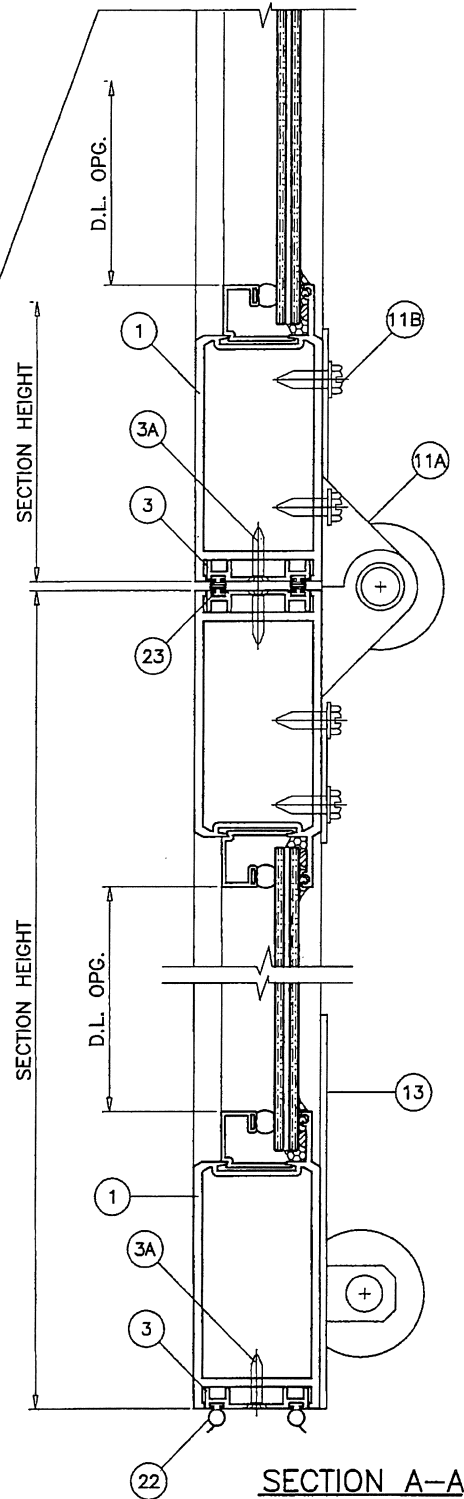
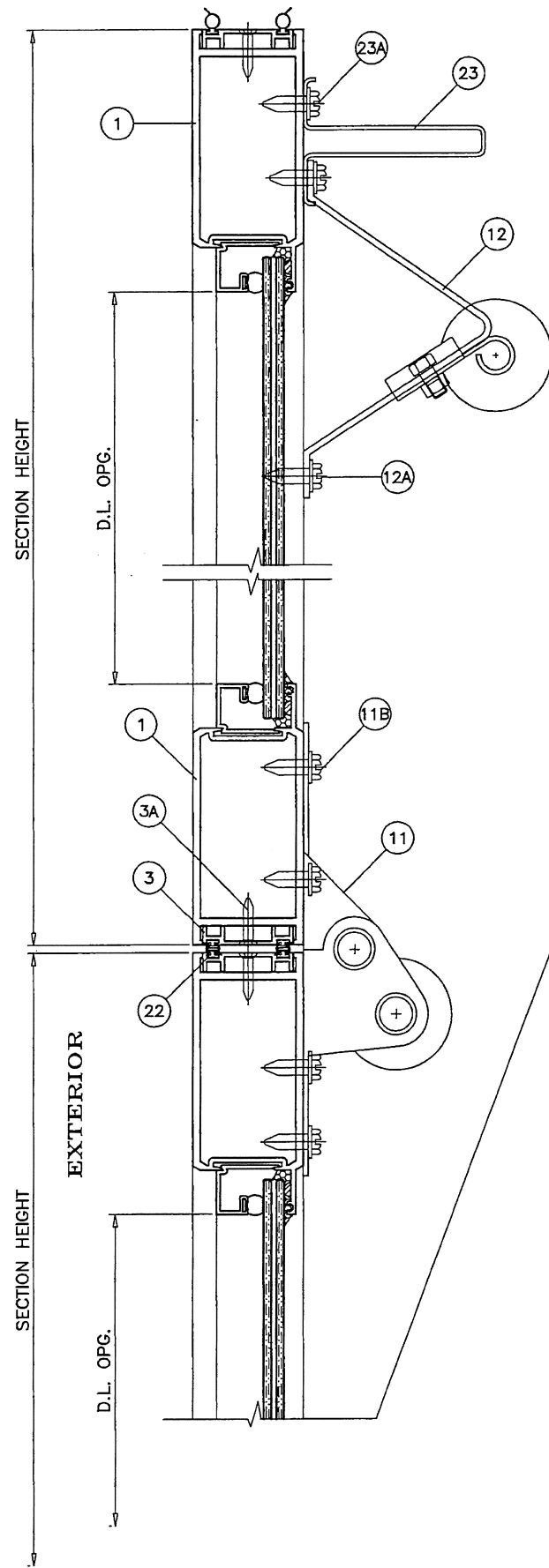
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no	date	description	REV. PER RER COMMENTS		
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B	01.18.18				

date: 02-23-17
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dr. by: TARIQ
chk. by:

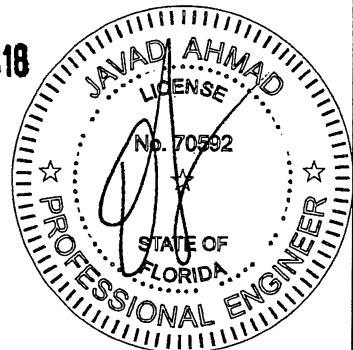
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sheet 2 of 7

GARAGE\17-09ECO



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JAN 25 2018

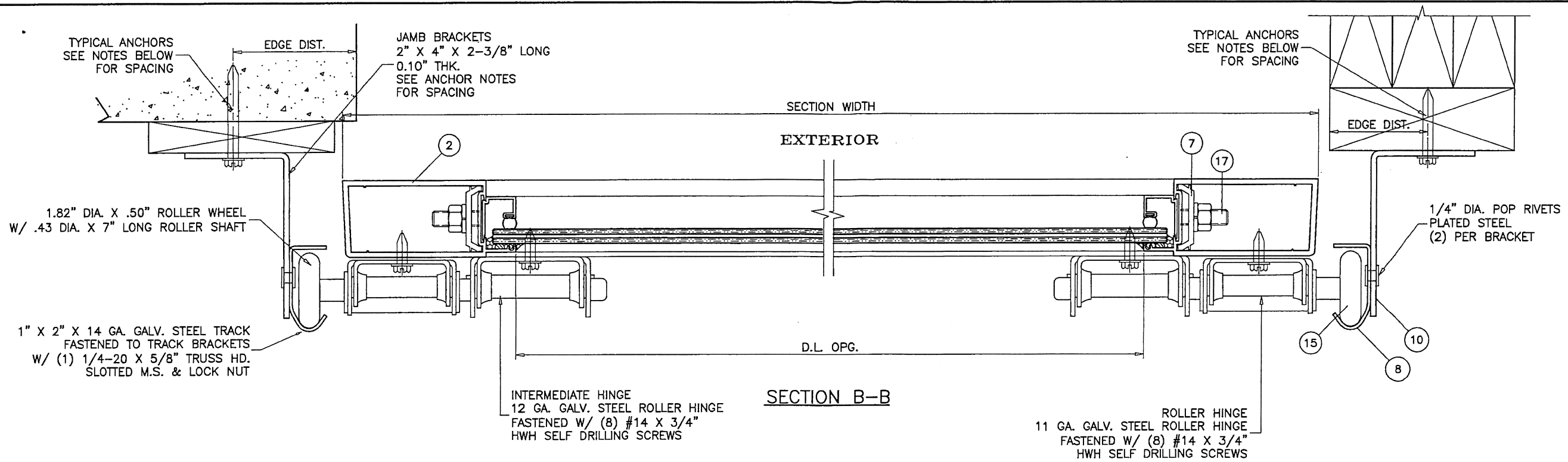


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dr. by: TARIQ	B	01.18.18	NO CHANGE THIS SHEET		
chk. by:					
drawing no.	17-09				
sheet	3 of 7				

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GARAGE 17-09ECO



TYPICAL ANCHORS:

5/16\" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)

THRU 1BY OR 2BY BUCKS INTO CONCRETE
1-3/4\" MIN. EMBED INTO CONCRETE
AT 4\" FROM BOTTOM AND 7-3/16\" O.C. MAX.

DIRECTLY INTO CONCRETE
1-3/4\" MIN. EMBED INTO CONCRETE
AT 4\" FROM BOTTOM AND 7-3/16\" O.C. MAX.

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

DIRECTLY INTO BLOCKS
2-1/2\" MIN. EMBED INTO GROUT-FILLED BLOCKS
AT 4\" FROM BOTTOM AND 7-3/16\" O.C. MAX.
4\" MIN. EDGE DISTANCE

5/16\" DIA. DRIL-FLEX SCREWS BY 'ELCO' ($F_u=100$ KSI, $F_y=65$ KSI)

INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
AT 4\" FROM BOTTOM AND 9-1/2\" O.C. MAX.
STEEL: 1/8\" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

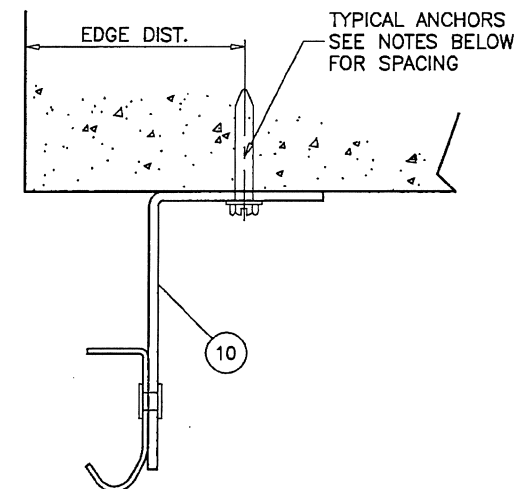
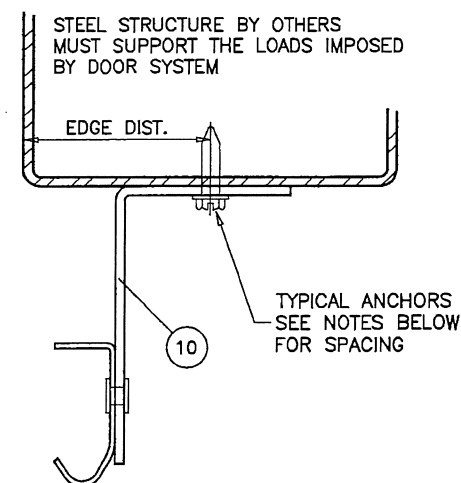
3/8\" DIA. LAG SCREWS

INTO WOOD STRUCTURES
2-1/4\" MIN. PENETRATION INTO WOOD
AT 4\" FROM BOTTOM AND 9-1/2\" 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.

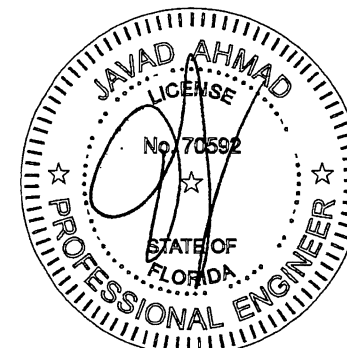


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afC
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GARAGE 17-09ECO

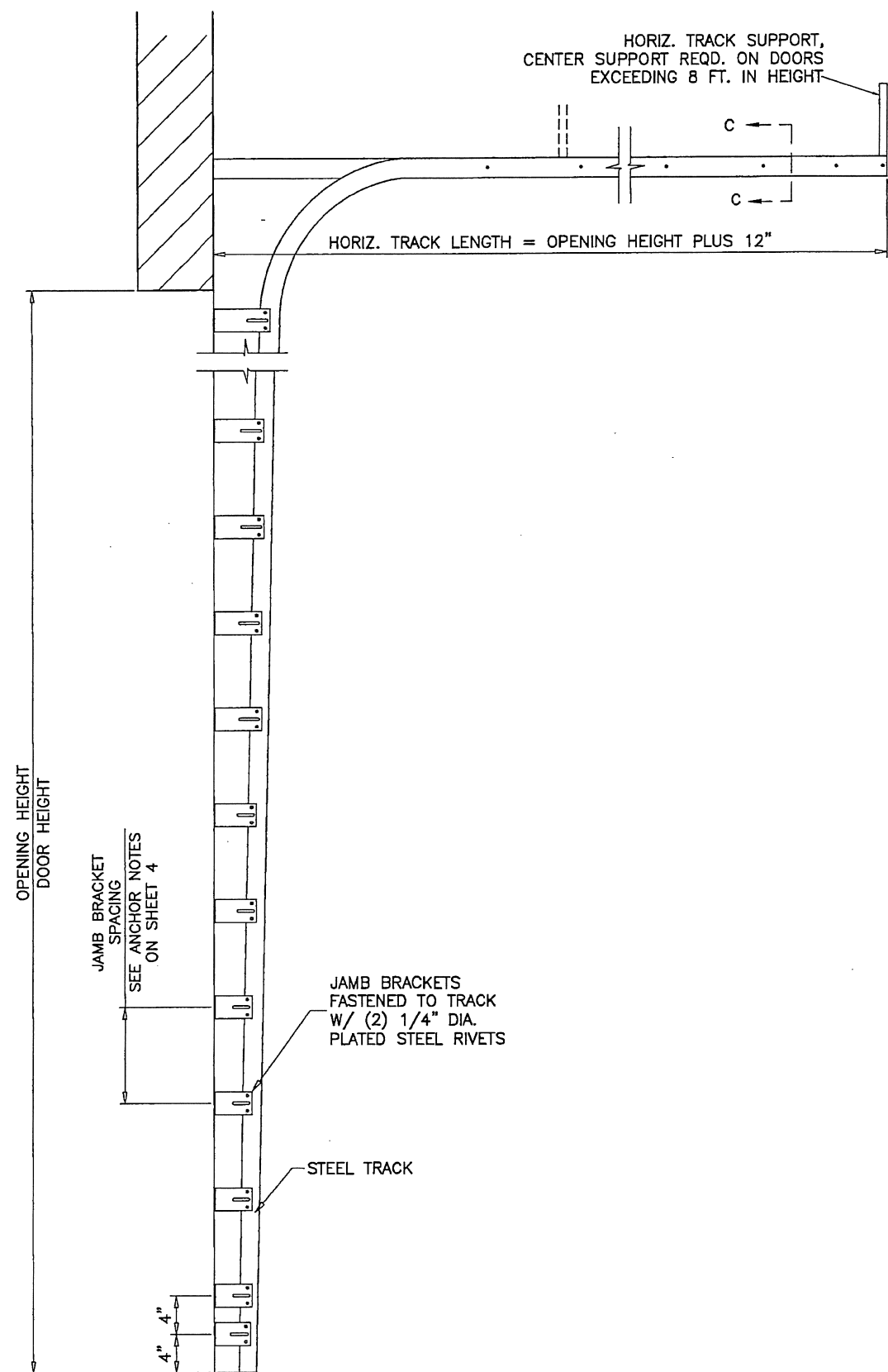
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	B	01.18.18		UPDATED TO 2017 FBC

date:	02-23-17
scale:	3/8\" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.

17-09

sheet 4 of 7



TRACK BRACKET PLACEMENT
1/16" = 1"

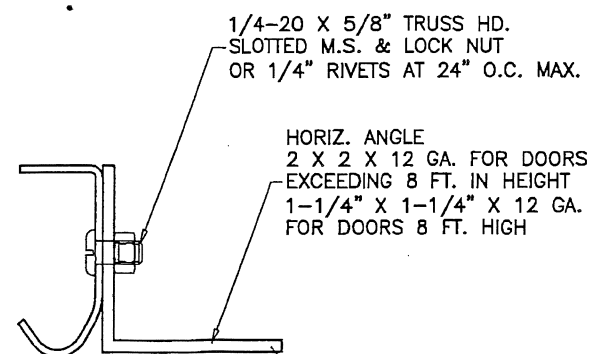
HORIZ. TRACK SUPPORT,
CENTER SUPPORT REQD. ON DOORS
EXCEEDING 8 FT. IN HEIGHT

HORIZ. TRACK LENGTH = OPENING HEIGHT PLUS 12"

JAMB BRACKETS
FASTENED TO TRACK
W/ (2) 1/4" DIA.
PLATED STEEL RIVETS

STEEL TRACK

SECTION C-C



VERTICAL LIFT

HIGH LIFT

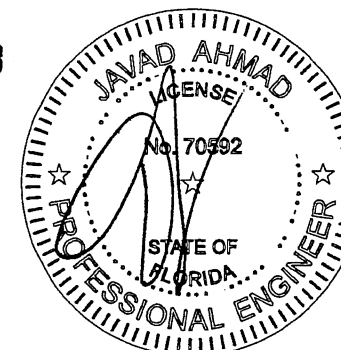
STANDARD LIFT

LOW HEAD ROOM
DOUBLE TRACK

AVAILABLE TRACK OPTIONS

JAN 25 2018

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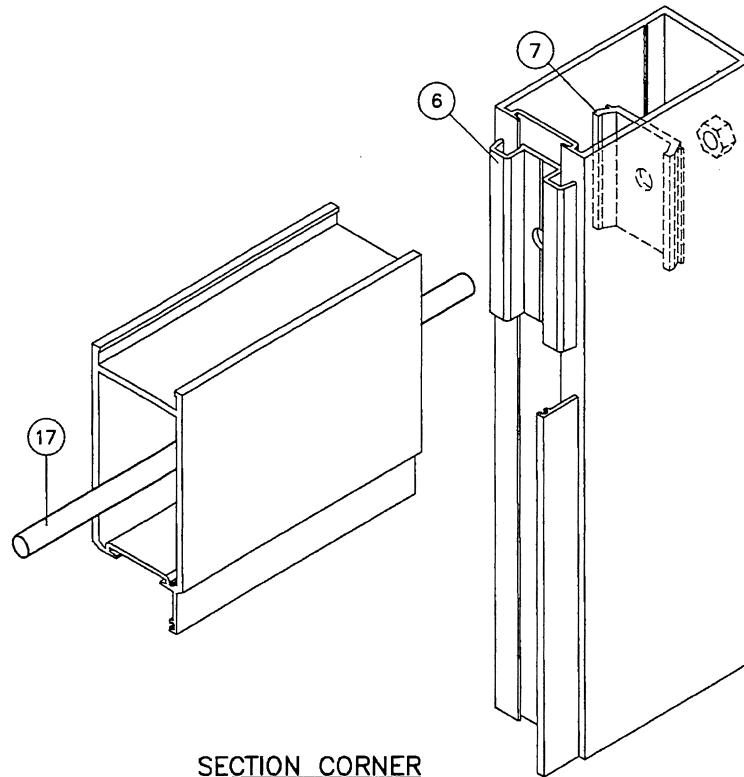


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sheet	5 of 7			

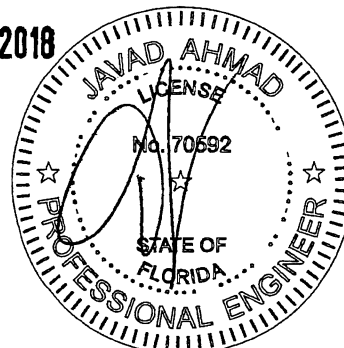
GARAGE 17-09ECO



SECTION CORNER
TOP & BOTTOM RAIL

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E805	2	TOP AND BOTTOM RAIL	6063-T6	-
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 12" O.C.	ST. STEEL	FH SELF DRILLING SCREWS
4	E811	AS REQD.	GLAZING BEAD	6063-T6	-
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 BRACKET	ST. STEEL	-
11	-	AS REQD.	ROLLER HINGES	ST. STEEL	-
11A	-	AS REQD.	ROLLER/CENTER HINGES	ST. STEEL	-
11B	#14 X 3/4"	AS REQD.	HINGE FASTENERS	ST. STEEL	HWH SELF DRILLING SCREWS
12	-	2	TOP FIXTURE	ST. STEEL	-
12A	#14 X 3/4"	AS REQD.	FIXTURE FASTENERS	ST. STEEL	HWH SELF DRILLING SCREWS
13	-	2	BOTTOM FIXTURE	ST. STEEL	-
14	-	2	STANDARD LOCK	-	-
15	-	AS REQD.	2" ROLLER WITH 7" STEM	STEEL	-
16	H107	2	5/32" SPRING LIFT CABLE	ST. STEEL	-
17	-	-	3/8" DIA. THREADED ROD & NUT	STEEL	-
18	-	AS REQD.	GLAZING VINYL	EPDM	DUROMETER 70±5 SHORE A
19	-	-	-	-	-
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
22	E20618-KN-3020	-	BULB W'STRIPPING	SANTOPRENE	EPDM
23	-	1	REINFORCING TRUSS	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	HH SELF DRILLING SCREWS

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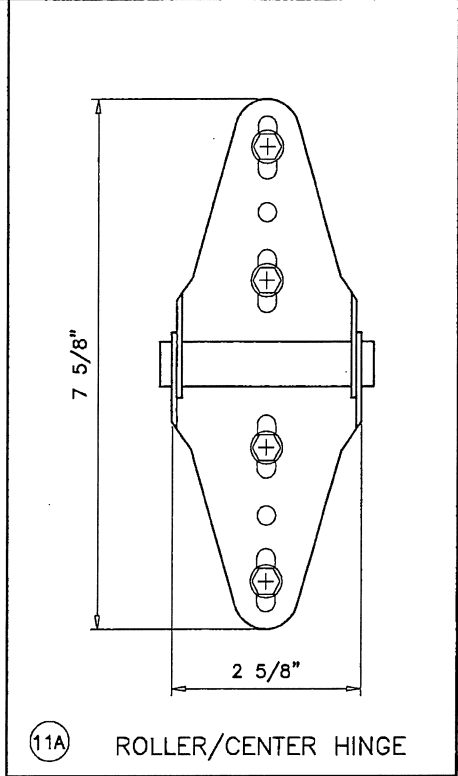
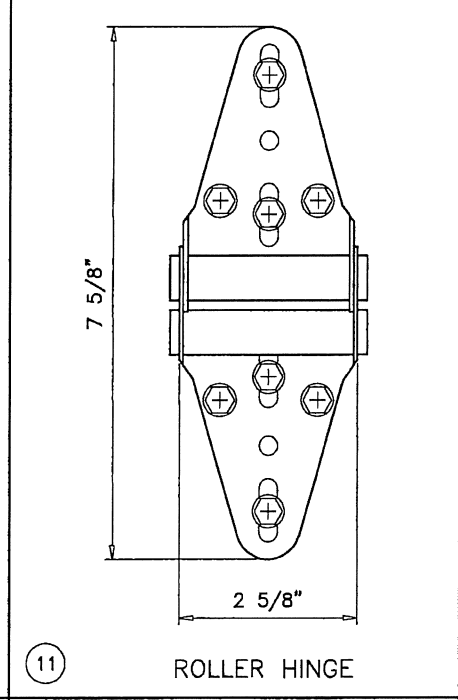
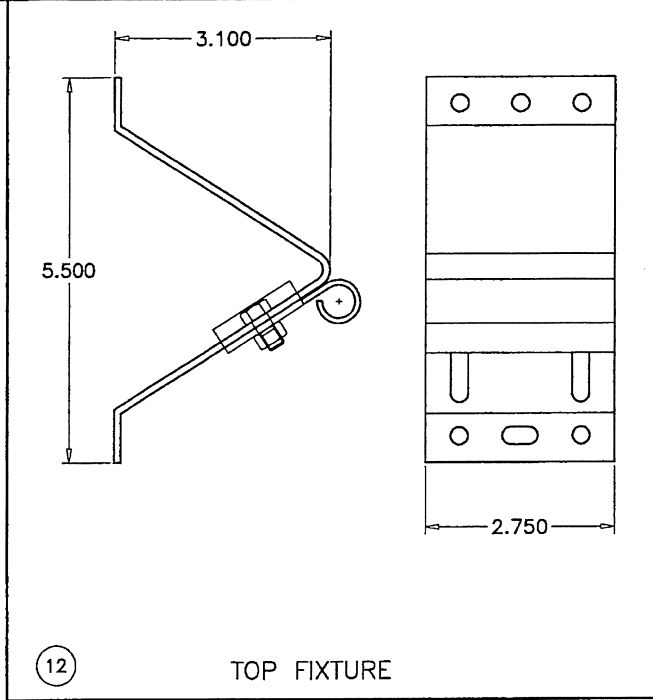
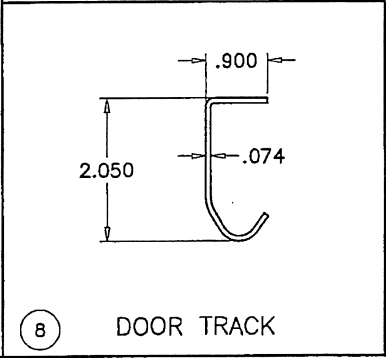
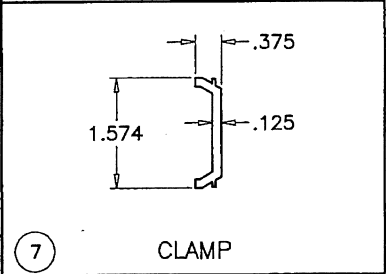
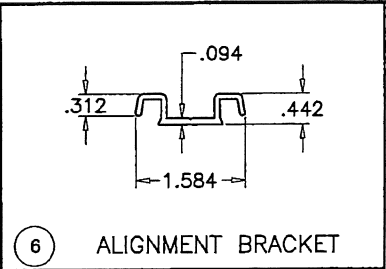
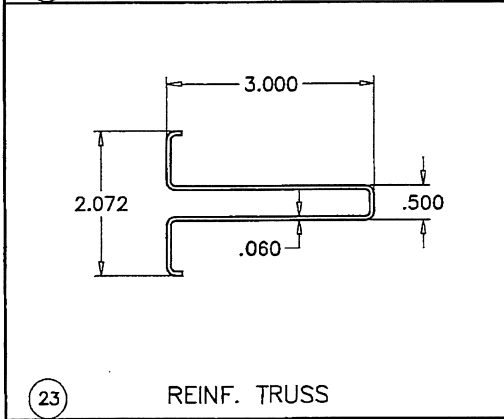
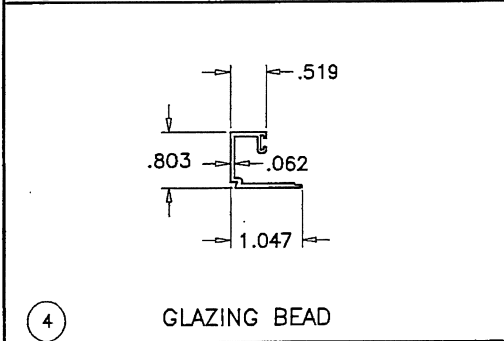
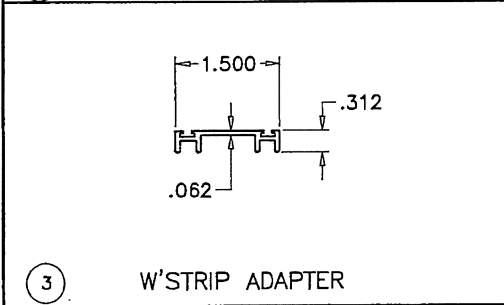
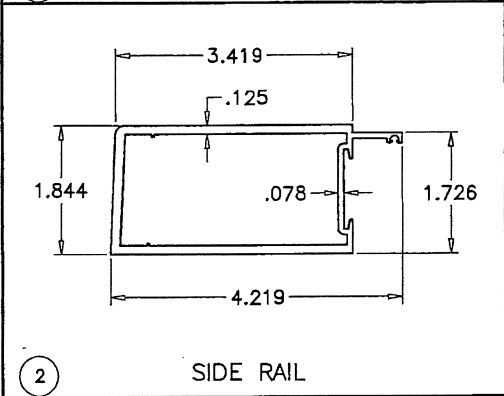
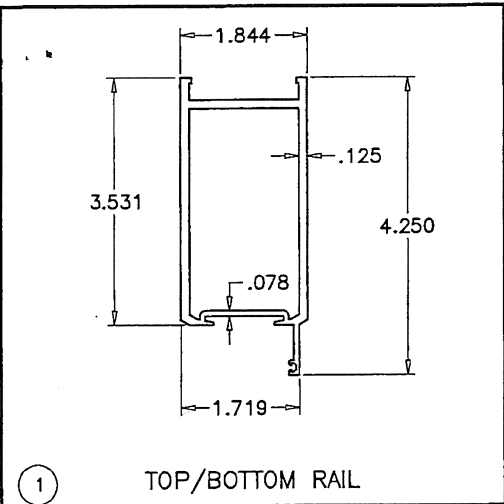
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-5100 FAX. (305) 262-6978

SERIES 850 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

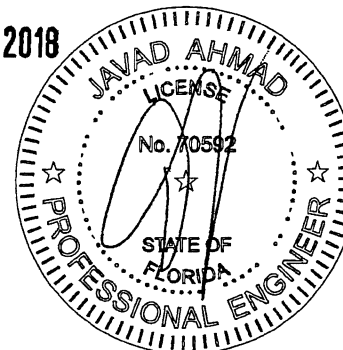
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scale:	3/8" = 1"			
dr. by:	TARIQ			
chk. by:				
drawing no.	17-09			
sheet	6 of 7			

GARAGE 17-09ECO

JAN 25 2018



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0129.14**
Expiration Date **05/18/2022**
By *[Signature]*
Miami-Dade Product Control



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revisions:		by description	
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sheet 7 of 7