



**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](http://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 Glass & Aluminum Sectional Garage Door up to 12'-0" Wide**

**APPROVAL DOCUMENT:** Drawing No. **17-09**, titled "Series 850 Alum/ Glass Sectional Garage Door (L.M.I.)", sheets 1 through 7 of 7, dated 02/23/2017, with revision **D** dated 09/10/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. on 11/10/2020, 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 # 18-0129.14** 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 **Carlos M. Utrera, P.E.**



**NOA No. 20-0929.10  
Expiration Date: May 18, 2022  
Approval Date: December 10, 2020  
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 202-94along 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 5<sup>th</sup> 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 5<sup>th</sup> 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.



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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 20-0929.10  
Expiration Date: May 18, 2022  
Approval Date: December 10, 2020

**Eco Window Systems, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under NOA # 18-0129.14**

**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 01/18/2018, expiring on 07/08/2019.

**F. STATEMENTS**

1. Statement letter of code conformance to **FBC 6<sup>th</sup> Edition (2017)**, dated January 16, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 20-0929.10**  
**Expiration Date: May 18, 2022**  
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**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. 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 02/23/2017, with revision **D** dated 09/10/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. on 11/10/2020.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 6<sup>th</sup> Edition (2017)** and **FBC 7<sup>th</sup> Edition (2020)**, dated 07/09/2020, 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.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 6<sup>th</sup> Edition (2017)** and **FBC 7<sup>th</sup> Edition (2020)**, and of no financial interest, dated 07/09/2020, prepared by Al–Farooq Corporation, signed and sealed by Jalal Farooq, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 20-0929.10**  
**Expiration Date: May 18, 2022**  
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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)/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.

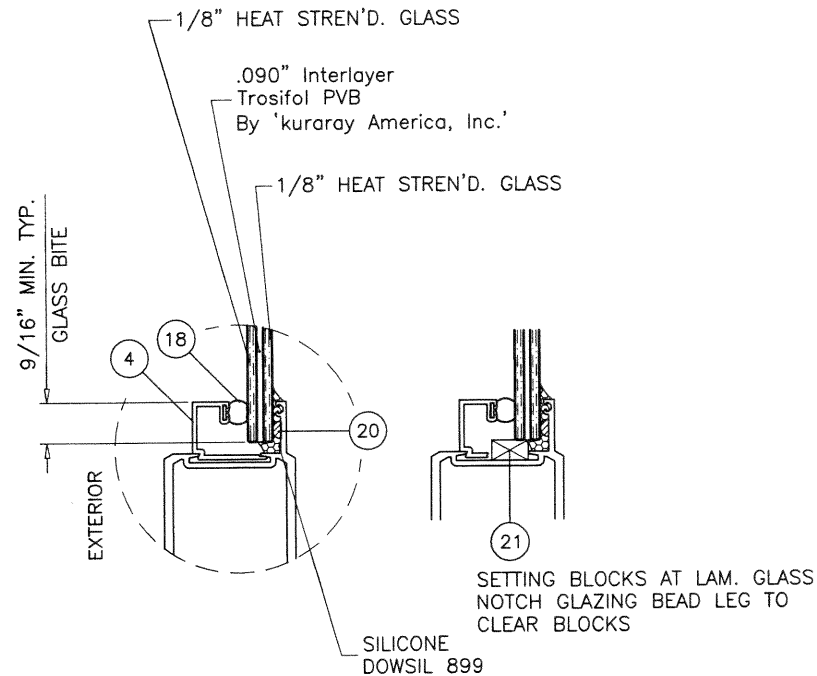
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.



**GLAZING DETAIL**

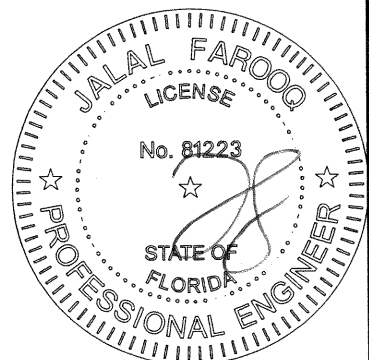
**PRODUCT REVISED**  
**as complying with the Florida**  
**Building Code**

**NOA-No.** 20-0929.10

**Expiration Date** 05/18/2022

**By** *[Signature]*  
**Miami-Dade Product Control**

NOV 10 2020



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

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

revisions:		by	description
no	date		
A	04.03.17	REV. PER	COMMENTS
B	01.18.18	UPDATED TO	2017 FBC
C	08.03.20	UPDATED TO	2020 FBC
D	09.10.20	REV. PER	COMMENTS
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		chk. by:	

drawing no.

17-09

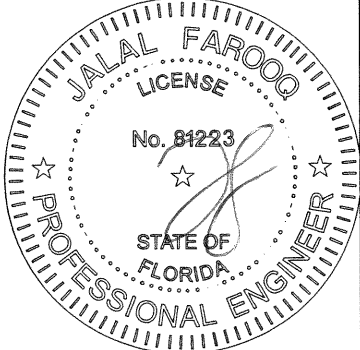
sheet 1 of 7

GARAGE\17-09ECO



revisions:	no	date	description	by
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	B	01.18.18	NO CHANGE THIS SHEET	
	C	08.03.20	UPDATED TO 2020 FBC	
	D	09.10.20	REV. PER RER COMMENTS	

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scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	



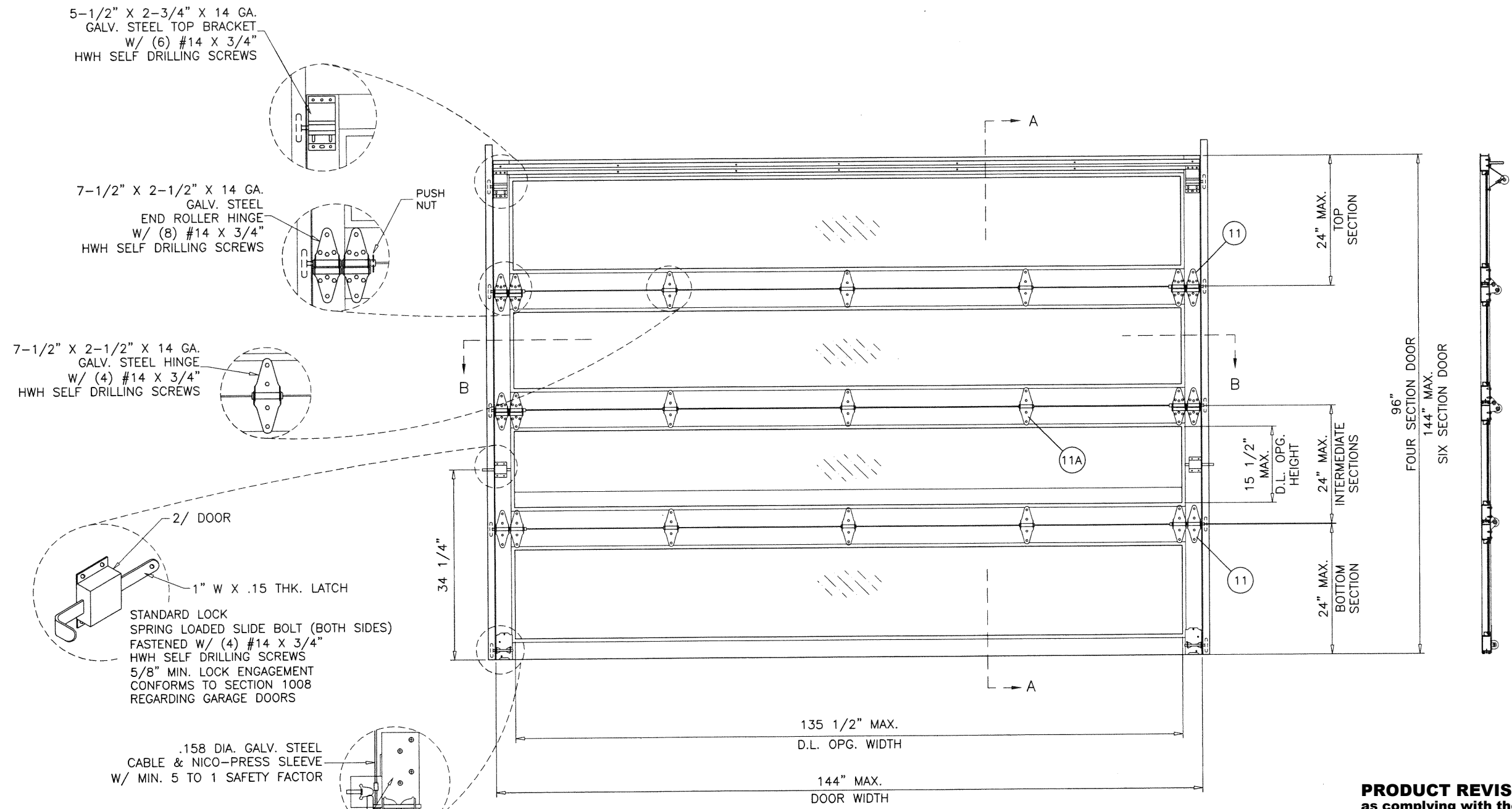
NOV 10 2020

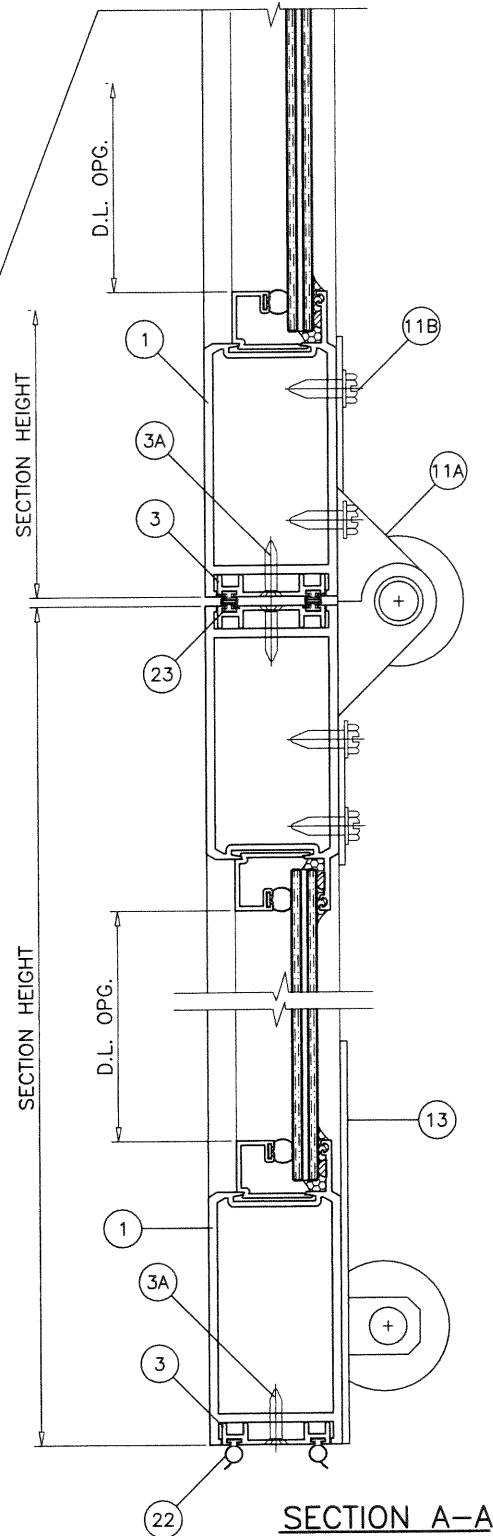
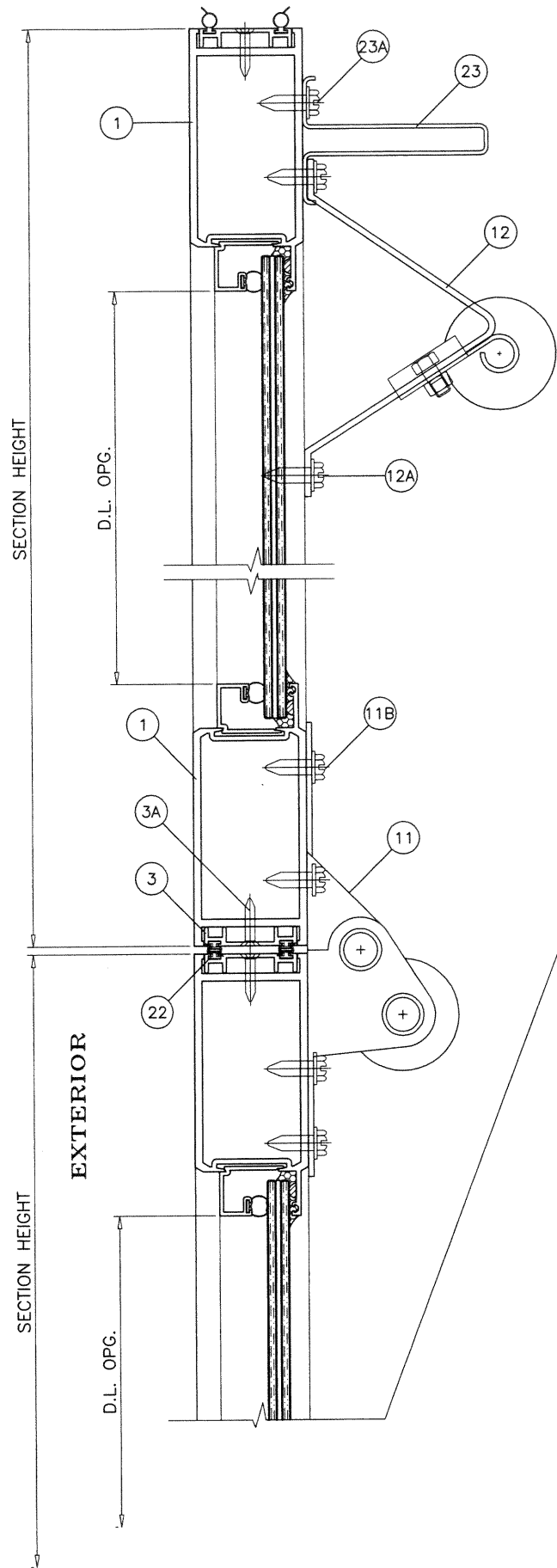
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 By *R. Farooq*  
 Miami-Dade Product Control

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

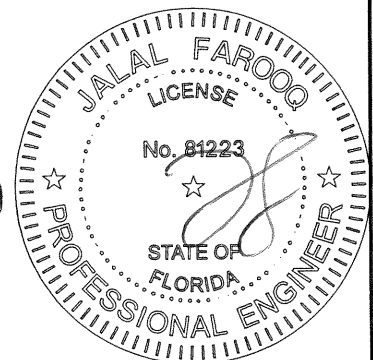
INTERIOR ELEVATION





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By *RFT*  
Miami-Dade Product Control

NOV 10 2020

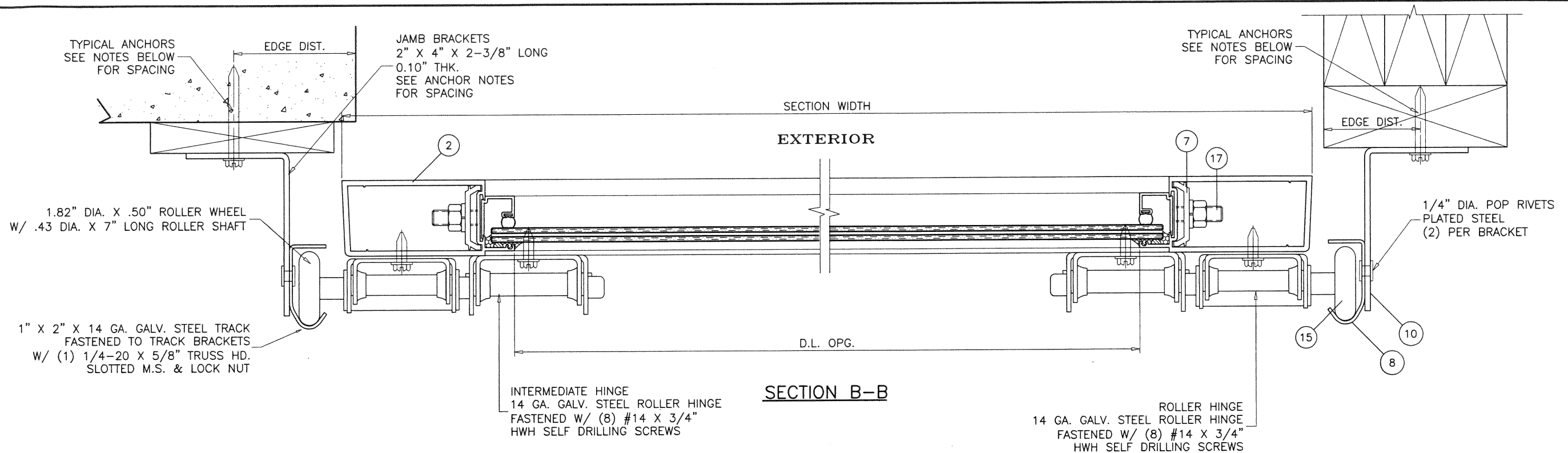


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C	08.03.20	3	08.03.20	UPDATED TO 2020 FBC
D	09.10.20	4	09.10.20	NO CHANGE THIS SHEET

SERIES 850 ALUM/GLASS SECTIONAL GARAGE DOOR (L.M.I.)  
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9360 SUNSET DRIVE, SUITE 220  
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TEL. (305) 264-8100 FAX. (305) 262-6978  
GARAGE\17-09ECO

date: 02-23-17  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:  
drawing no.  
**17-09**  
sheet 3 of 7



#### TYPICAL ANCHORS:

**5/16" DIA. ULTRACON BY 'DEWALT'** ( $F_u=177$  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 'DEWALT'** ( $F_u=100$  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)

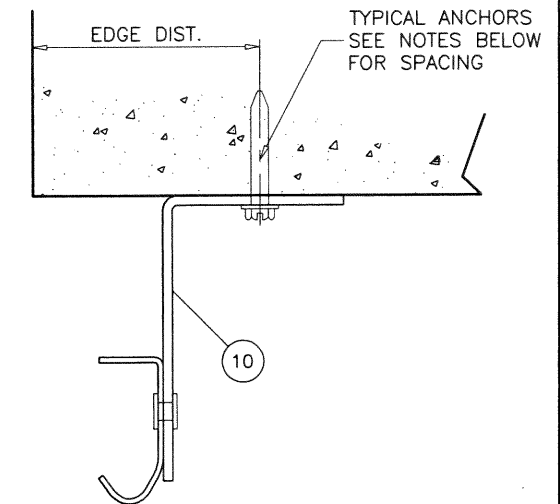
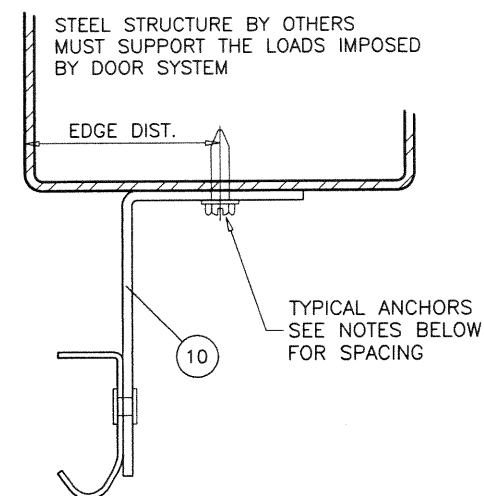
**3/8" DIA. LAG SCREWS**

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.

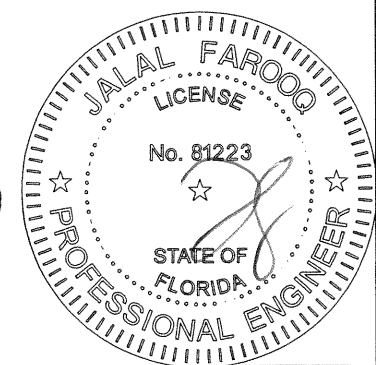


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Expiration Date 05/18/2022

By *[Signature]*  
Miami-Dade Product Control

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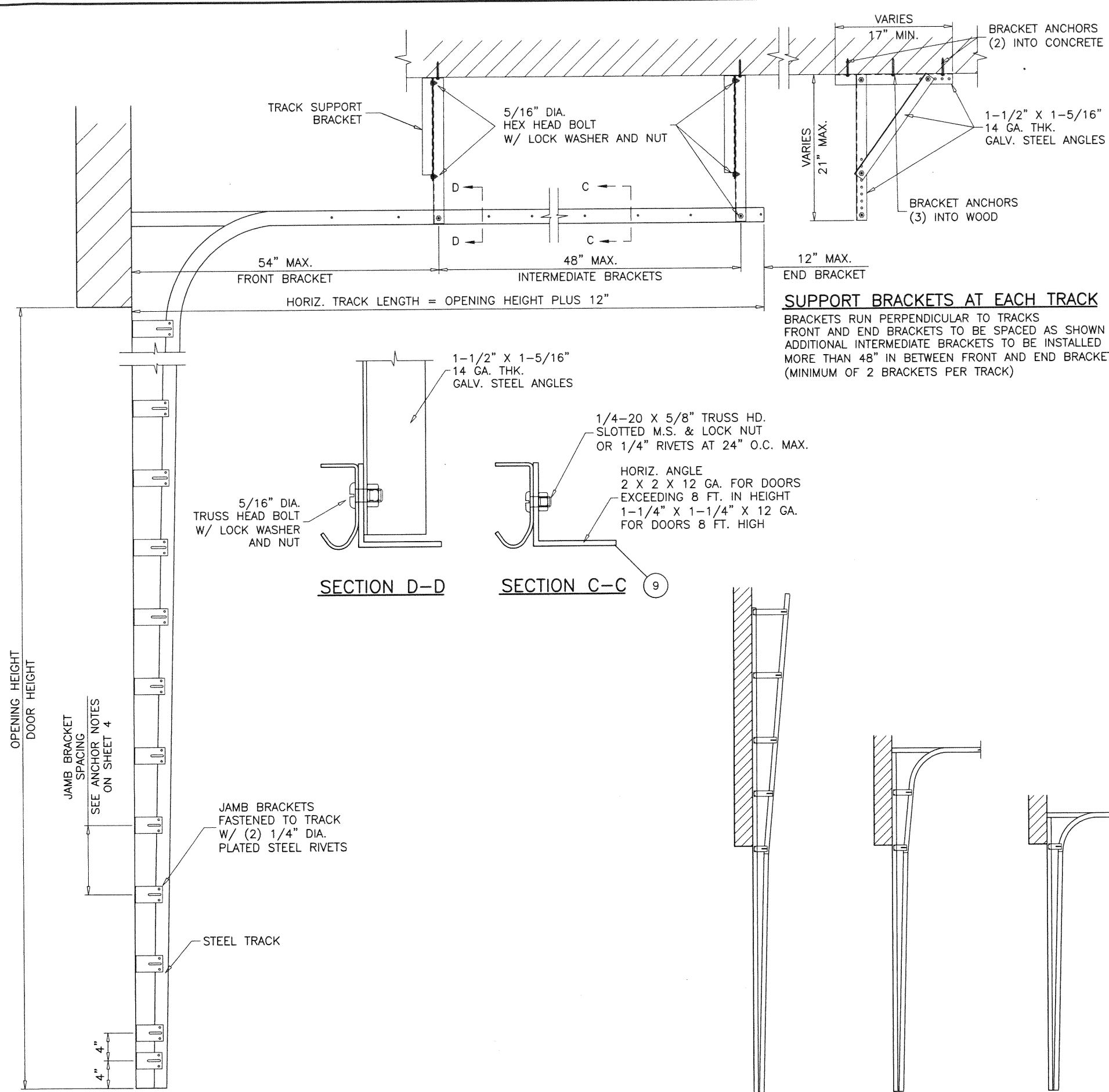
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chk. by:

drawing no.  
17-09  
sheet 4 of 7





**TRACK BRACKET PLACEMENT**  
1/16" = 1"

**AVAILABLE TRACK OPTIONS**  
VERTICAL LIFT    HIGH LIFT    STANDARD LIFT    LOW HEAD ROOM DOUBLE TRACK

**BRACKET ANCHORS:**

**(3) 5/16" DIA. LAG SCREWS**  
INTO WOOD STRUCTURES, (S.G.=0.50)  
1-1/2" MIN. PENETRATION

**(2) 1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
INTO CONCRETE, 3000 PSI MIN.  
1-3/4" MIN. EMBED

ANCHORING TO CEILING OTHER THAN WOOD OR CONCRETE  
TO BE REVIEWED SEPARATELY.

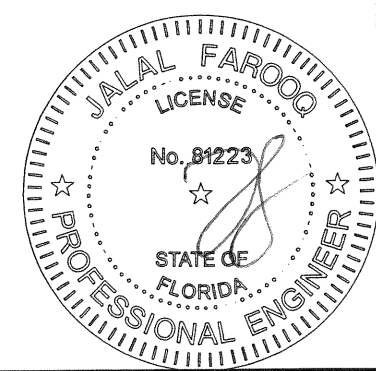
NOTE:  
IT SHALL BE VERIFIED THAT THE CEILING STRUCTURE  
CAN SUSTAIN LOADS IMPOSED BY DOOR WHEN LEFT IN  
OPEN POSITION.  
BRACES MAY BE MOVED IN ORDER TO ENGAGE THE  
CEILING STRUCTURE.  
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE  
BEYOND ALL CEILING NON STRUCTURAL MATERIAL  
STUCCO OR CEILING DRESSING.

**SUPPORT BRACKETS AT EACH TRACK**

BRACKETS RUN PERPENDICULAR TO TRACKS  
FRONT AND END BRACKETS TO BE SPACED AS SHOWN ABOVE.  
ADDITIONAL INTERMEDIATE BRACKETS TO BE INSTALLED FOR SPACING  
MORE THAN 48" IN BETWEEN FRONT AND END BRACKETS.  
(MINIMUM OF 2 BRACKETS PER TRACK)

**PRODUCT REVISED**  
as complying with the Florida  
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By *R. P. [Signature]*  
Miami-Dade Product Control

NOV 10 2020



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

afc  
GARAGE\17-09ECO

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SERIES 850 ALUM/GLASS SECTIONAL GARAGE DOOR (L.M.I.)

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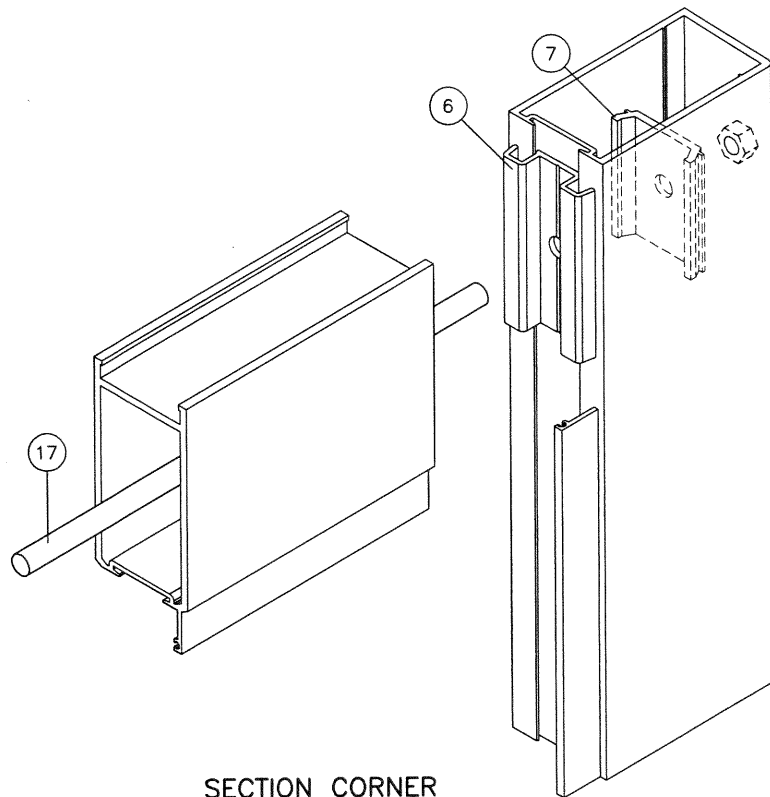
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revisions:		description	
no	date	by	description
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chk. by:

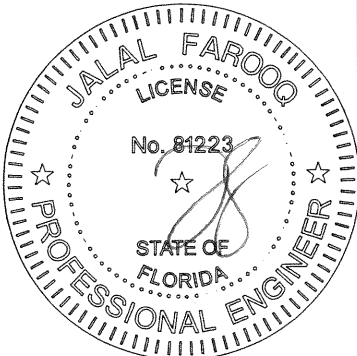
drawing no.  
**17-09**  
sheet 5 of 7




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.	GALV. 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	GALV. STEEL	-
9	-	2	HORIZONTAL ANGLE	GALV. STEEL	Fy MIN. = 50 KSI
10	-	AS REQD.	JAMB BRACKET	GALV. STEEL	-
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 FIXTURE	GALV. STEEL	-
12A	#14 X 3/4"	AS REQD.	FIXTURE FASTENERS	GALV. STEEL	HWH SELF DRILLING SCREWS
13	-	2	BOTTOM FIXTURE	GALV. STEEL	-
14	-	2	STANDARD LOCK	-	-
15	-	AS REQD.	2" ROLLER WITH 7" 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
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.	GALV. STEEL	HH SELF DRILLING SCREWS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-0929.10  
Expiration Date 05/18/2022  
By   
Miami-Dade Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 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

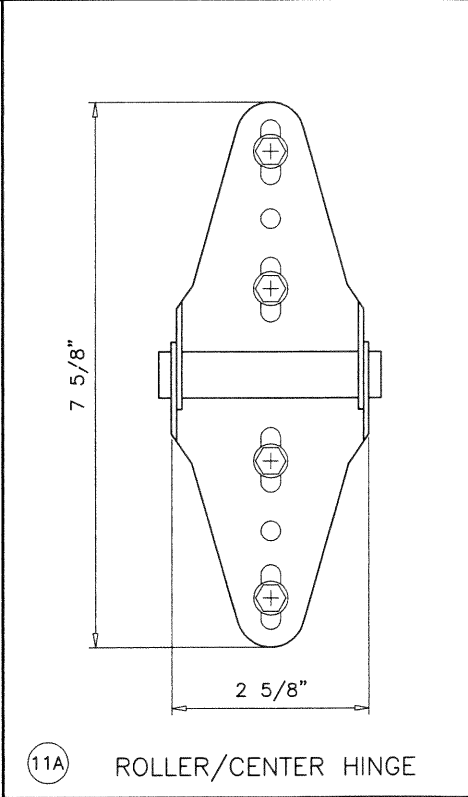
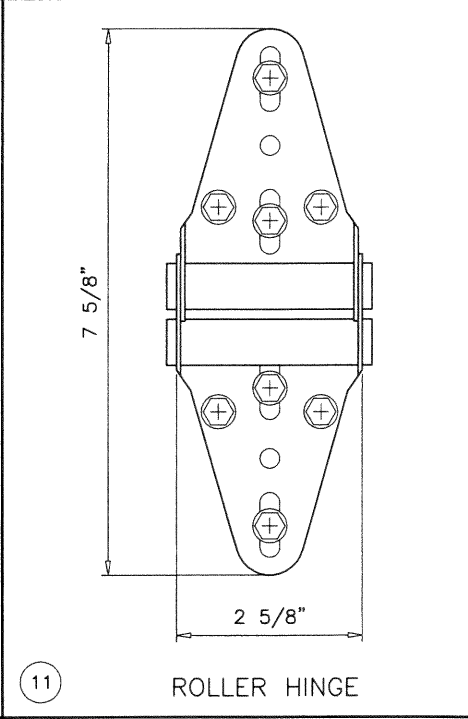
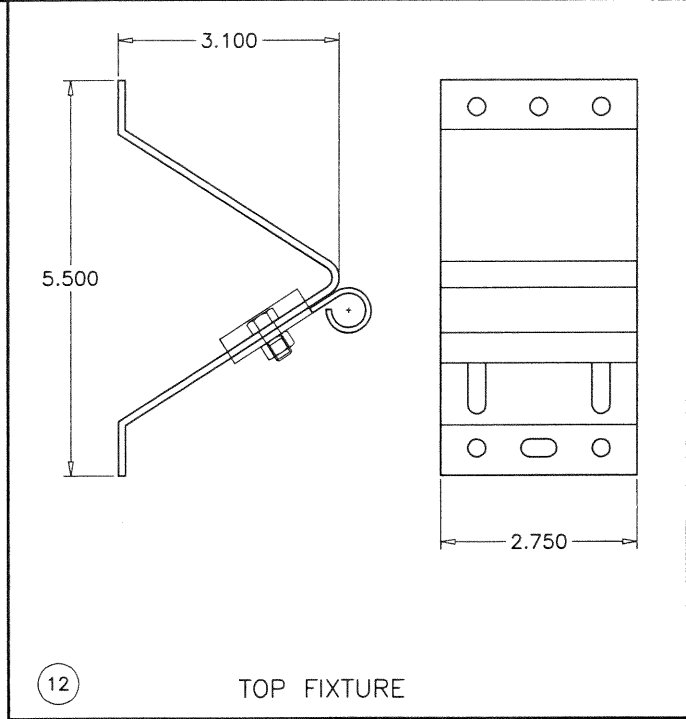
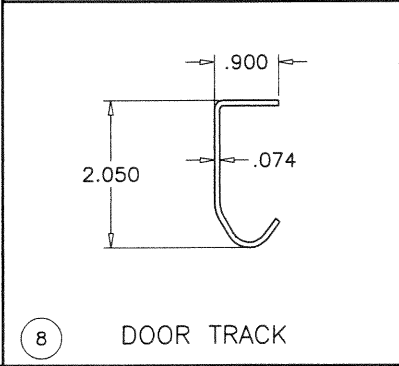
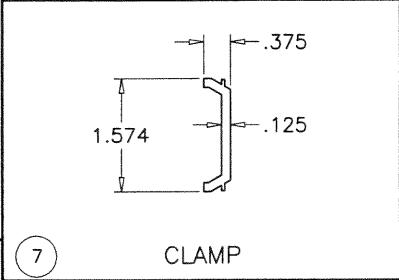
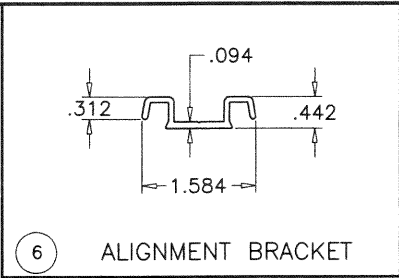
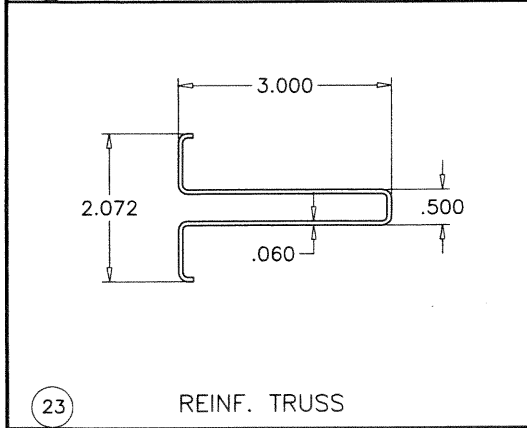
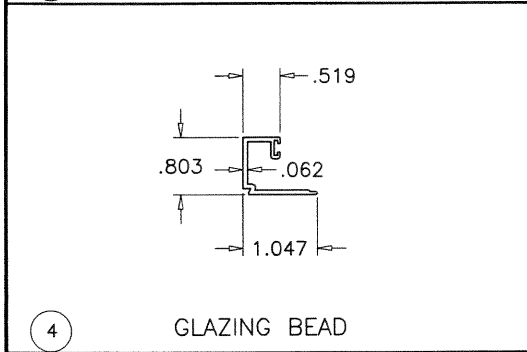
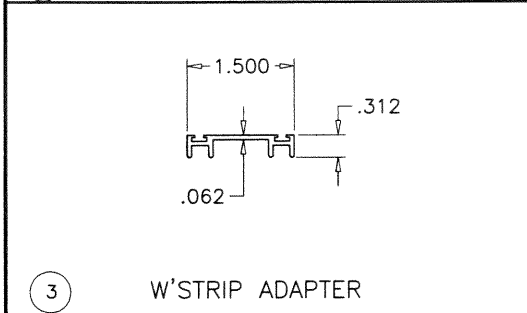
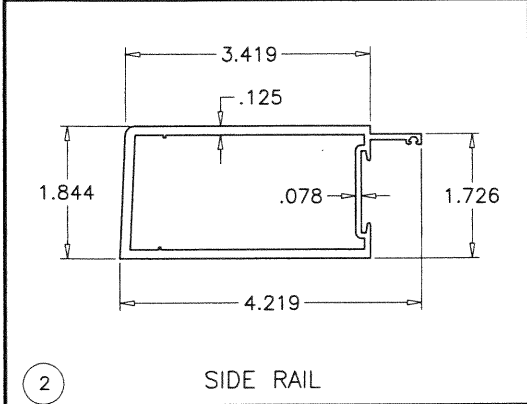
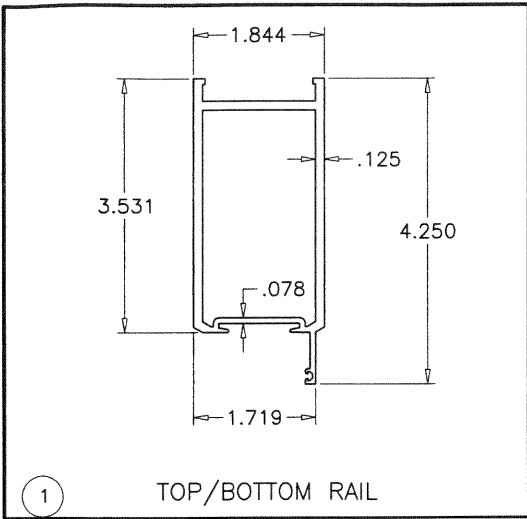
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C	08.03.20		UPDATED TO 2020 FBC
D	09.10.20		NO CHANGE THIS SHEET

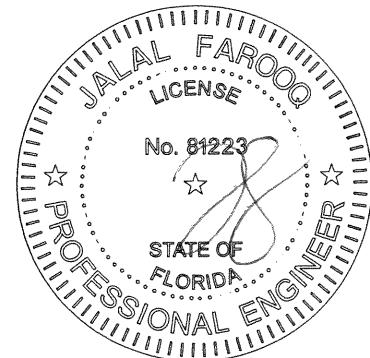
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chk. by:

drawing no.  
**17-09**

sheet 6 of 7



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-0929.10  
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By *[Signature]*  
Miami-Dade Product Control



**af c**  
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GARAGE\17-09ECO

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sheet 7 of 7