



**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES  
(RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Empire Windows Industry, Inc.  
6508 NW 77th Ct.  
Miami, 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 900 Aluminum and Glass Sectional Garage Door up to 9'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. **23-46D**, titled "S-900 Alum/Glass Sectional Garage Door (L.M.I.)", sheets 1 through 7 of 7, dated 10/03/2023, with revision A dated 03/05/2024, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Approval 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 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 **Carlos M. Utrera, P.E.**



03/22/24

**NOA-No 23-1207.04**  
**Expiration Date: April 4, 2029**  
**Approval Date: April 4, 2024**  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **23-46D**, titled "S-900 Alum/Glass Sectional Garage Door (L.M.I.)", sheets 1 through 7 of 7, dated 10/03/2023, with revision A dated 03/05/2024, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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 9'2"x 8', Series Aluminum/Glass Sectional Garage Doors, prepared by QAI Laboratories, Test Report No. **MED-1134**, dated 09/28/2023, signed and sealed by Idalmis Ortega, P.E.

**C. CALCULATIONS**

1. Jamb anchor calculations prepared by Al-Farooq Corporation, dated 11/10/2023, signed and sealed by Jalal Farooq, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **24-0205.08**, issued to Kuraray America, Inc. for their **Trosifol Ultraclear, Clear and Color PVB Glass Interlayers**, approved on 03/21/2024, expiring on 07/08/2029.

**F. STATEMENTS**

1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC and of no financial interest, issued by Al-Farooq Corporation, dated 11/10/2023, signed and sealed by Jalal Farooq, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA-No 23-1207.04**  
**Expiration Date: April 4, 2029**  
**Approval Date: April 4, 2024**

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 900**  
**ALUMINUM/GLASS SECTIONAL GARAGE DOOR**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH 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.

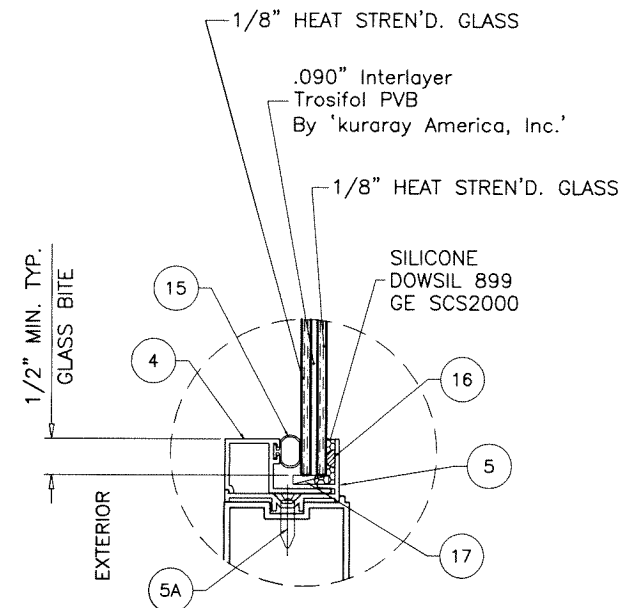
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 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)'.



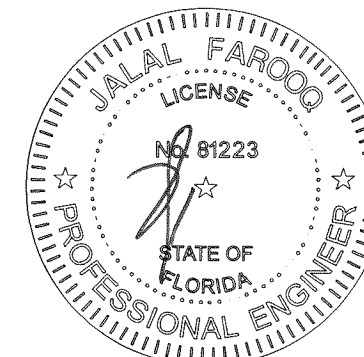
**5/16" LAM. GLASS**  
**GLAZING DETAIL**

**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1207.04

Approval Date 04/04/2024

By *[Signature]*  
Miami-Dade Product Control

MAR 06 2024



S-900 ALUM/GLASS SECTIONAL GARAGE DOOR (L.M.I.)  
**Empire Windows Industry, Inc.**  
6508 N.W. 77th Court  
Miami, FL 33166  
Phone: (786) 203-1574 Fax: (305) -

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 WWW.AFCENG.COM  
FBPE #3538 GARAGE\23-46D-EWI

revisions:	no	date	by	description
	A	03.05.24		NO CHANGE THIS SHEET
date:	10-03-23			
scale:	3/8" = 1"			
dr. by:	TARIQ			
chk. by:				
drawing no.	23-46D			
sheet	1 of 7			

14 GA. GALV. STEEL  
TOP BRACKET  
W/ (6) #14 X 3/4"  
HWH SELF DRILLING SCREWS

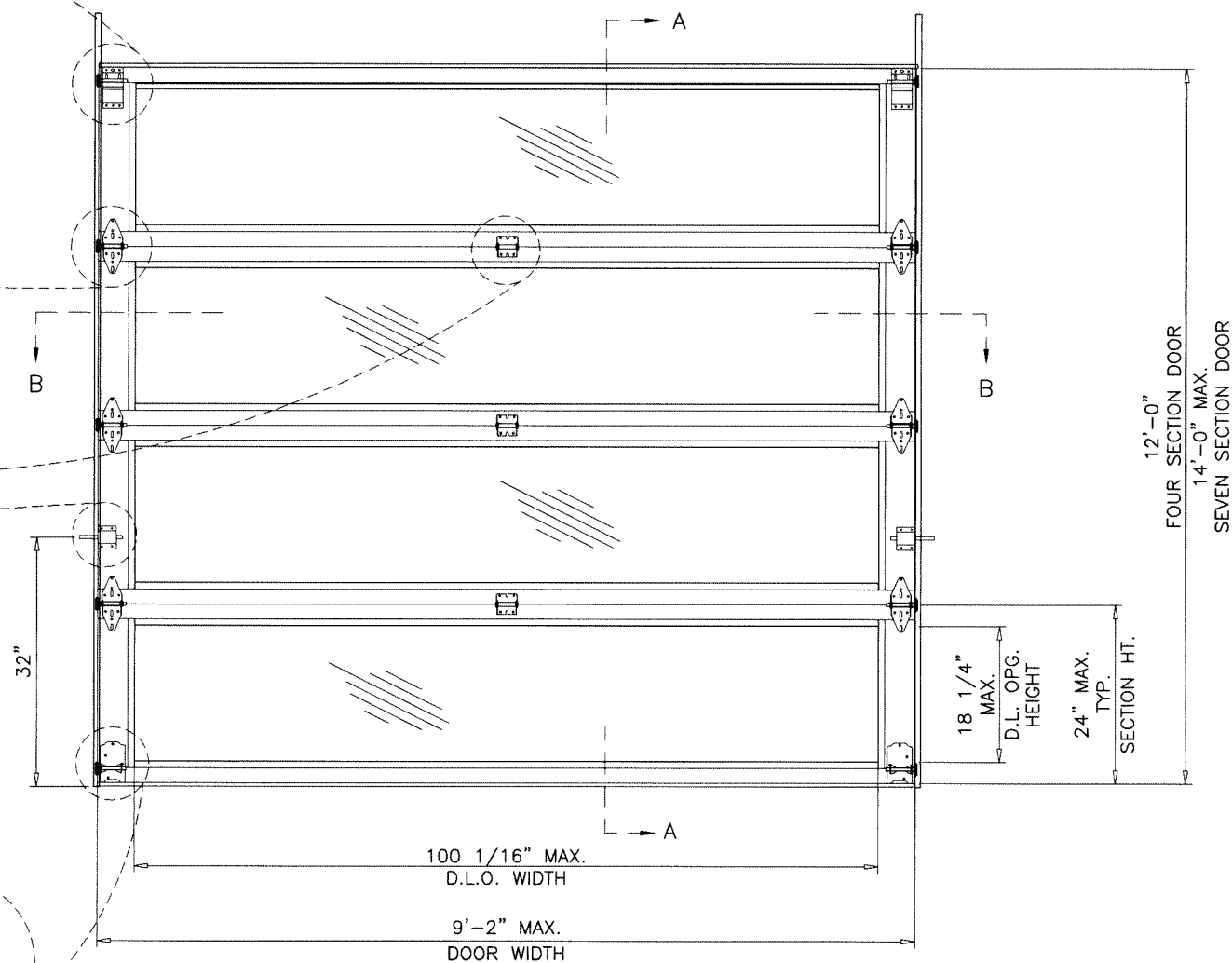
14 GA. GALV. STEEL  
END ROLLER HINGE  
W/ (4) #14 X 3/4"  
HWH SELF DRILLING SCREWS

14 GA. GALV. STEEL  
CUT DOWN HINGE  
W/ (4) #14 X 3/4"  
HWH SELF DRILLING SCREWS

2/ DOOR  
1" W X .15 THK. LATCH  
STANDARD LOCK  
SPRING LOADED SLIDE BOLT (BOTH SIDES)  
FASTENED W/ (4) #14 X 3/4"  
HWH SELF DRILLING SCREWS  
5/8" MIN. LOCK ENGAGEMENT  
CONFORMS TO SECTION 1008  
REGARDING GARAGE DOORS

.158 DIA. GALV. STEEL  
CABLE & NICO-PRESS SLEEVE  
W/ MIN. 5 TO 1 SAFETY FACTOR

14 GA. GALV. STEEL  
BOTTOM BRACKET  
WITH (4) #14 X 3/4" HWH SDS

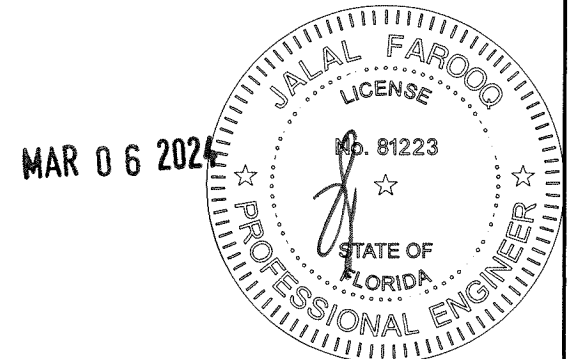


**INTERIOR ELEVATION**

**MAXIMUM DESIGN LOAD RATING = + 50.0 PSF**  
(FOR SIZES SHOWN OR SMALLER) - 60.0 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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Approval Date 04/04/2024  
By *[Signature]*  
Miami-Dade Product Control



**af c**  
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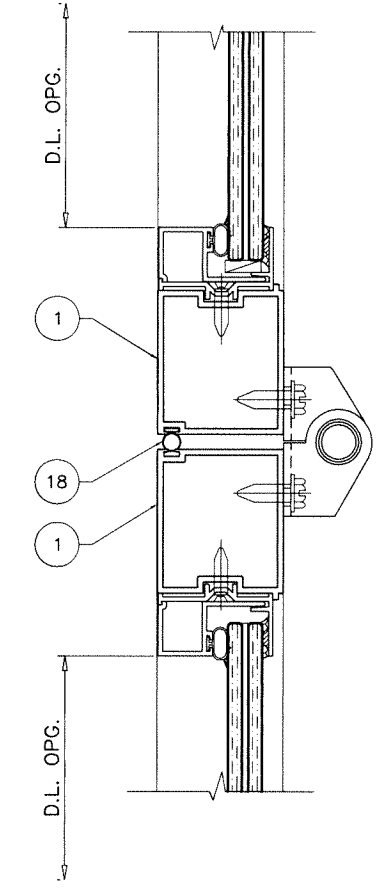
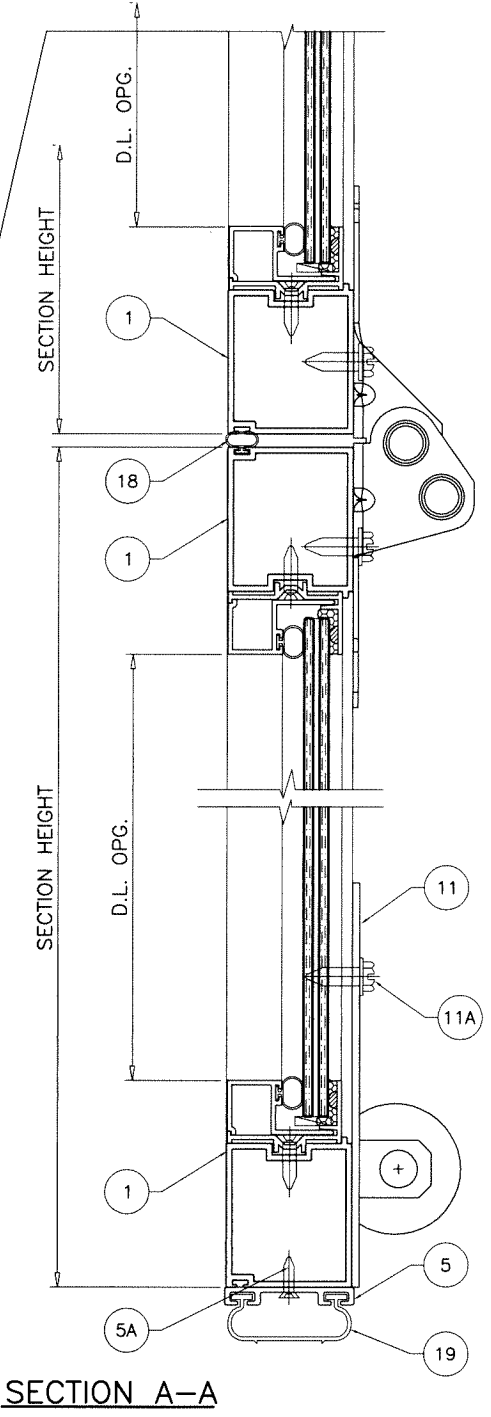
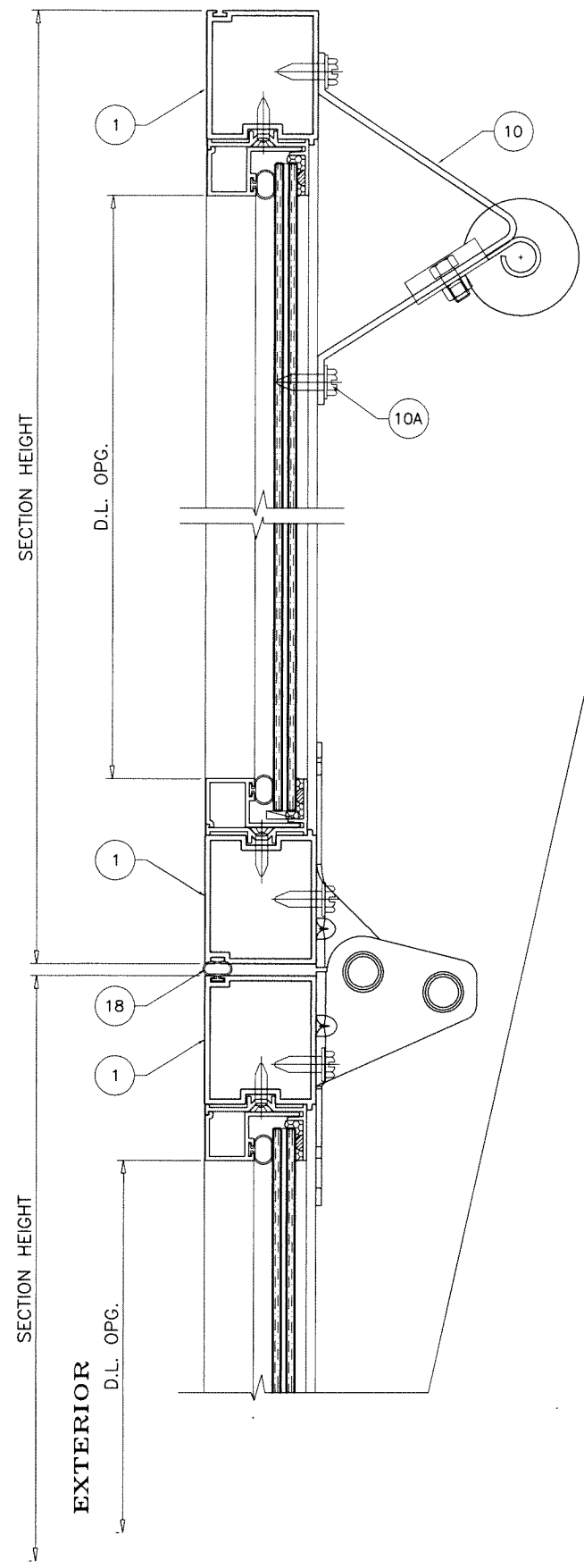
S-900 ALUM/GLASS SECTIONAL GARAGE DOOR (L.M.I.)  
**Empire Windows Industry, Inc.**  
6508 N.W. 77th Court  
Miami, FL. 33166  
Phone: (786) 203-1574 Fax: (305) -

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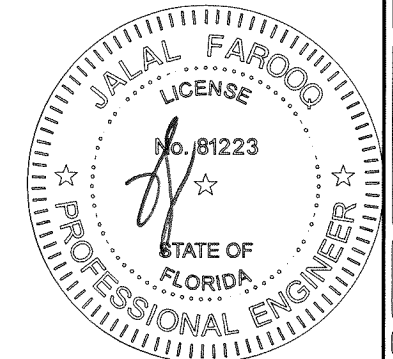
drawing no.  
**23-46D**

sheet 2 of 7



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MAR 06 2024



**afc**

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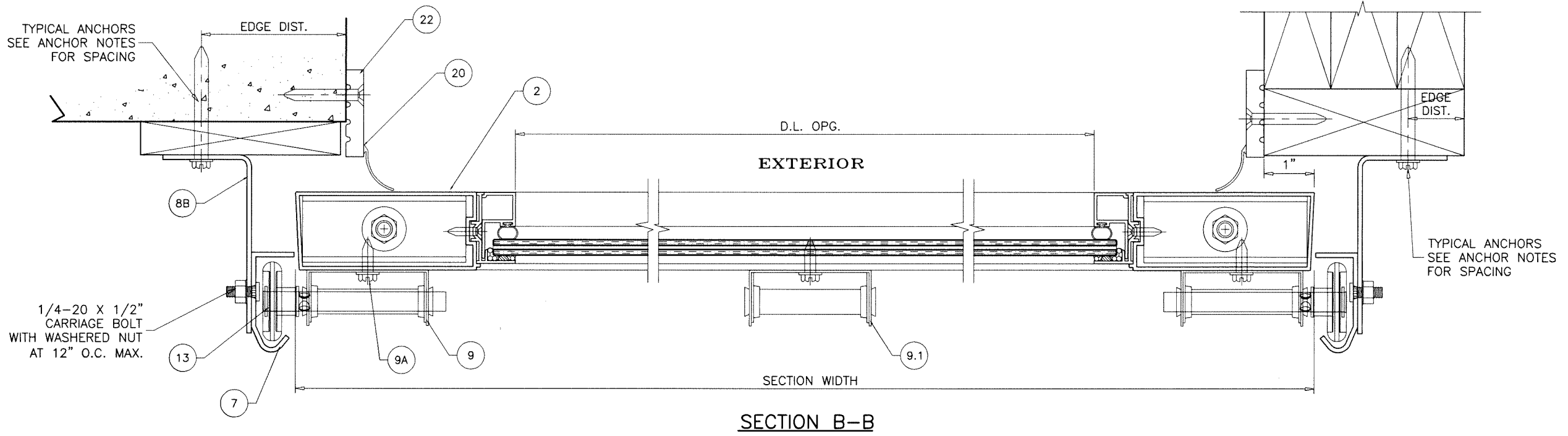
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 dr. by: TARIQ  
 chk. by:

drawing no.  
**23-46D**

sheet 3 of 7



**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 11-1/2" O.C. MAX.

DIRECTLY INTO CONCRETE  
2" MIN. EMBED INTO CONCRETE  
AT 4" FROM BOTTOM AND 11-1/2 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 9-1/2" O.C. MAX.  
3-3/4" 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 11-1/2" O.C. MAX.  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

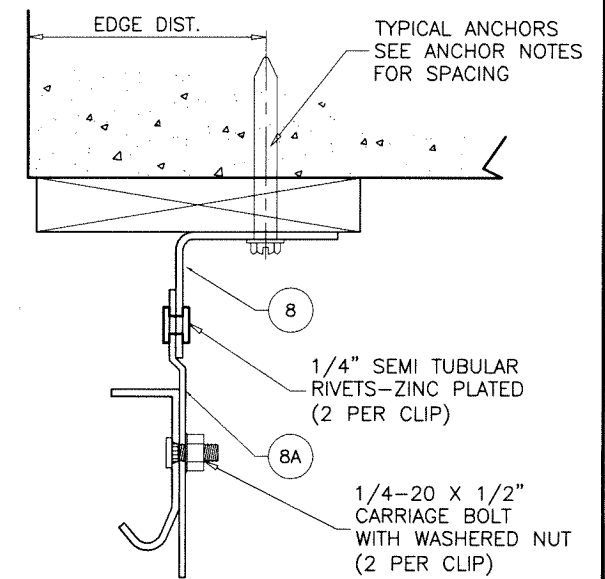
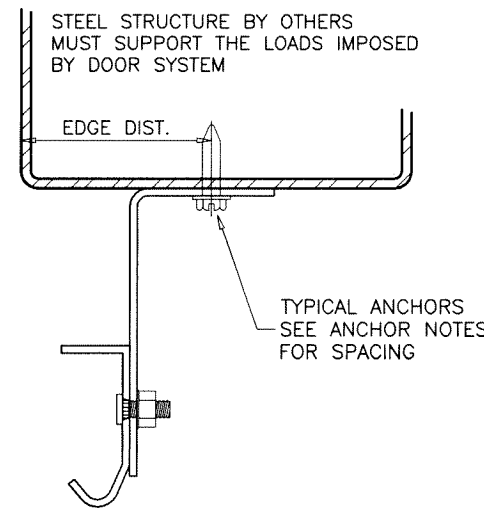
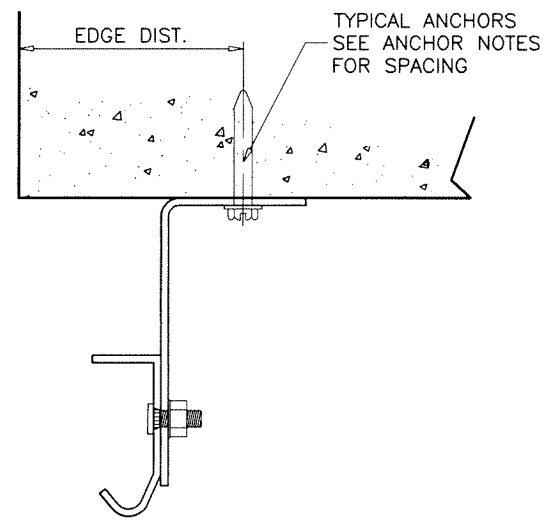
**5/16" DIA. LAG SCREWS**

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.



**TRACK BRACKET AT JAMBS**

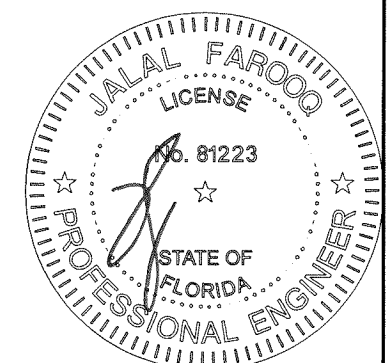
**PRODUCT APPROVED**  
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Approval Date 04/04/2024

By *[Signature]*  
Miami-Dade Product Control

MAR 06 2024



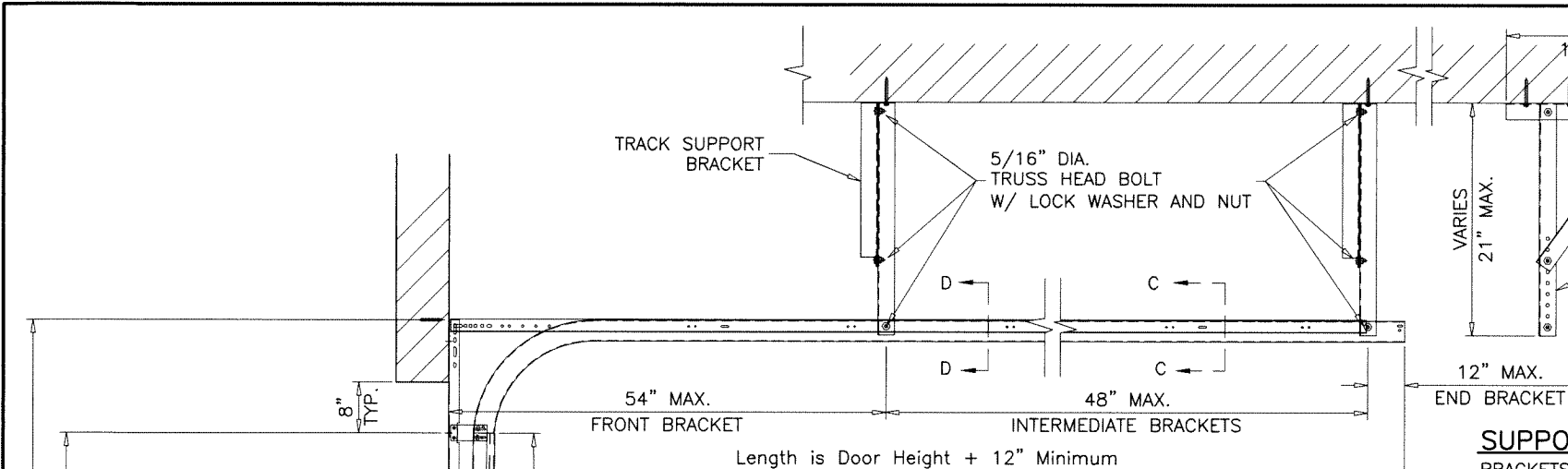
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**AL-FAROOQ CORPORATION**  
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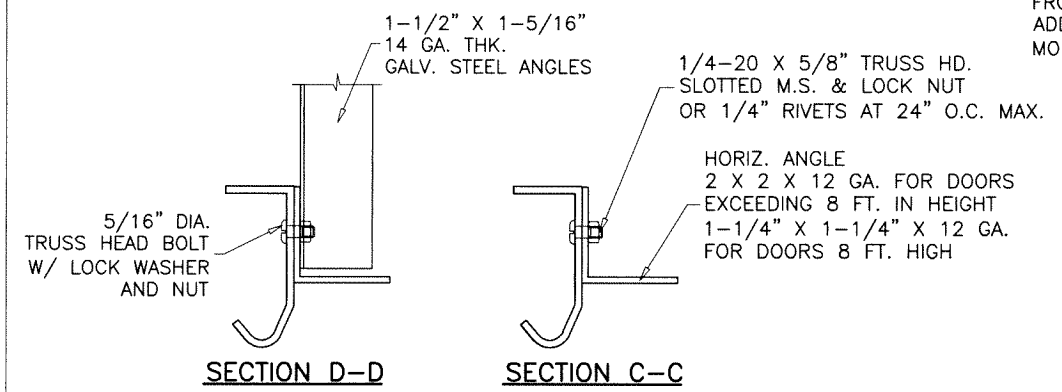
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drawing no.	23-46D						
sheet	4 of 7						



**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.

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.

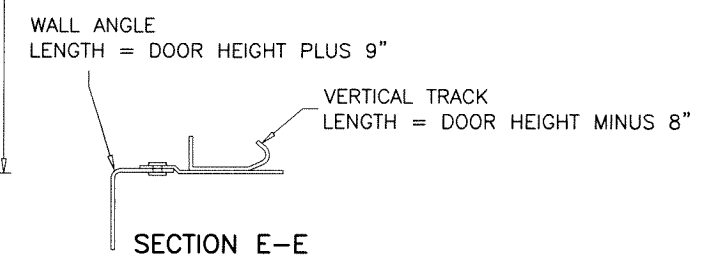
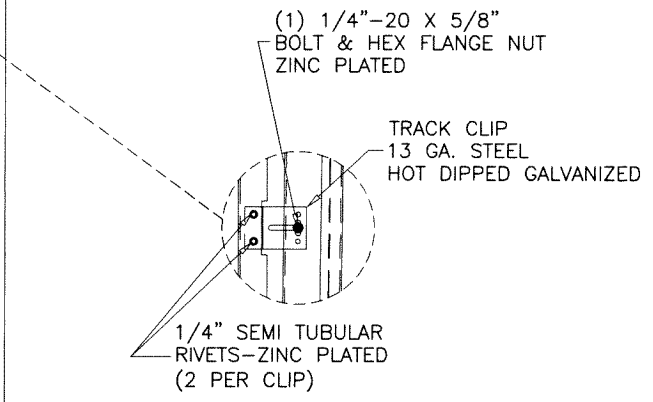
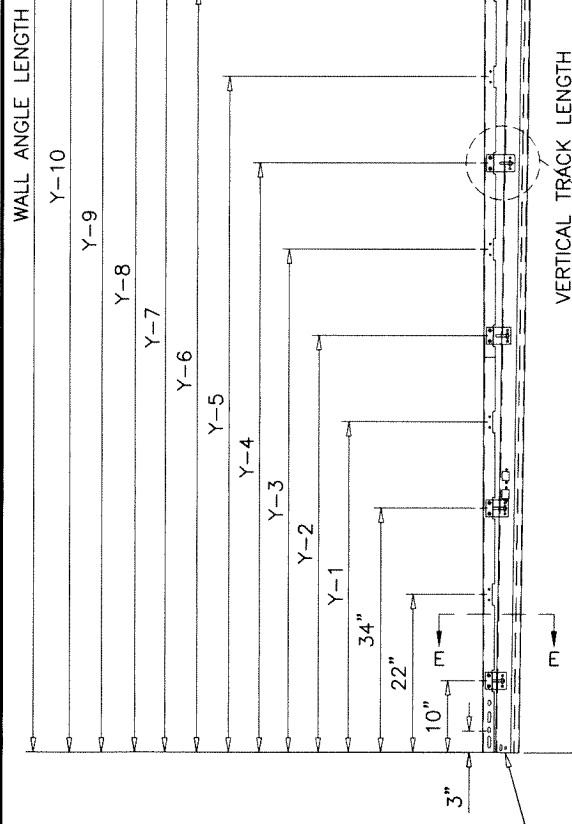


**BRACKET ANCHORS:**

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

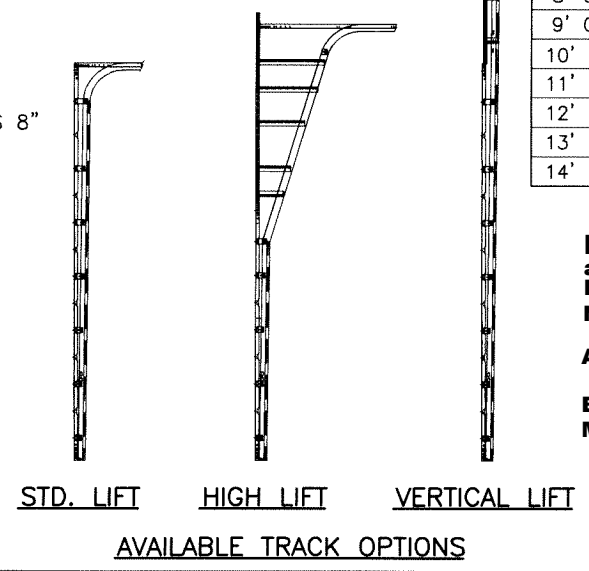
**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
 INTO CONCRETE, 3000 PSI MIN.  
 1-3/4" MIN. EMBED, 3" MIN. SPACING

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



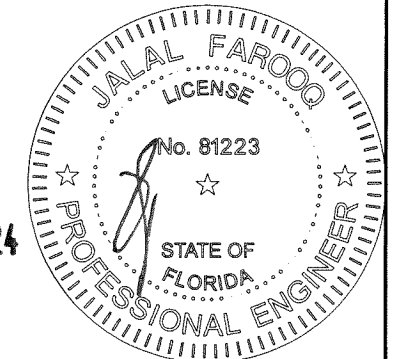
NOTE: THE LOWER VERTICAL TRACK ASSEMBLIES  
 ARE STANDARD FOR ALL TRACK CONFIGURATIONS

DOOR HEIGHT	VERTICAL TRACK LENGTH	WALL ANGLE LENGTH	TRACK CLIP & ANCHOR SPACING										
			Y-1	Y-2	Y-3	Y-4	Y-5	Y-6	Y-7	Y-8	Y-9	Y-10	
5' 3"	55"	72"	44"	55"	70"	NA	NA	NA	NA	NA	NA	NA	NA
7' 0"	76"	93"	46"	58"	67"	76"	NA	NA	NA	NA	NA	NA	NA
7' 6"	82"	99"	46"	58"	70"	82"	NA	NA	NA	NA	NA	NA	NA
8' 0"	88"	105"	46"	58"	73"	88"	NA	NA	NA	NA	NA	NA	NA
8' 9"	97"	114"	46"	58"	70"	82"	97"	NA	NA	NA	NA	NA	NA
9' 0"	100"	117"	46"	58"	70"	82"	91"	100"	NA	NA	NA	NA	NA
10' 0"	112"	129"	46"	58"	70"	82"	97"	112"	NA	NA	NA	NA	NA
11' 0"	124"	141"	46"	58"	70"	82"	94"	106"	118"	124"	NA	NA	NA
12' 0"	136"	153"	46"	58"	70"	82"	94"	106"	121"	136"	148"	NA	NA
13' 0"	148"	165"	46"	58"	70"	82"	94"	106"	121"	136"	148"	160"	NA
14' 0"	160"	177"	46"	58"	70"	82"	94"	106"	121"	136"	148"	160"	NA



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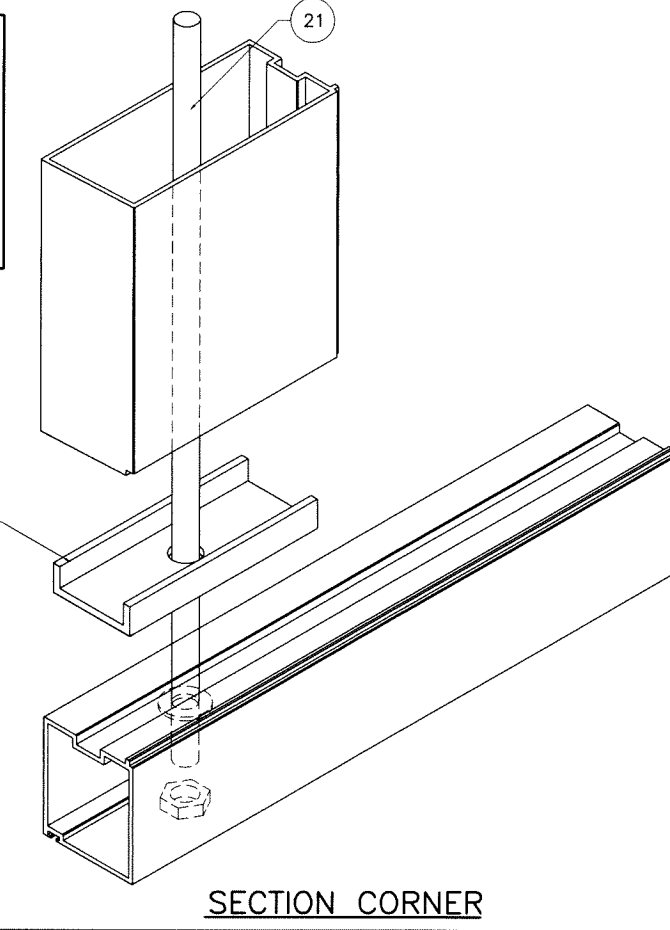
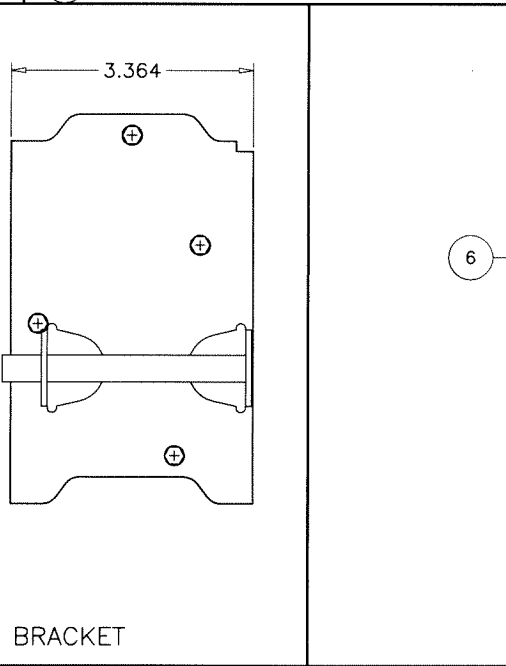
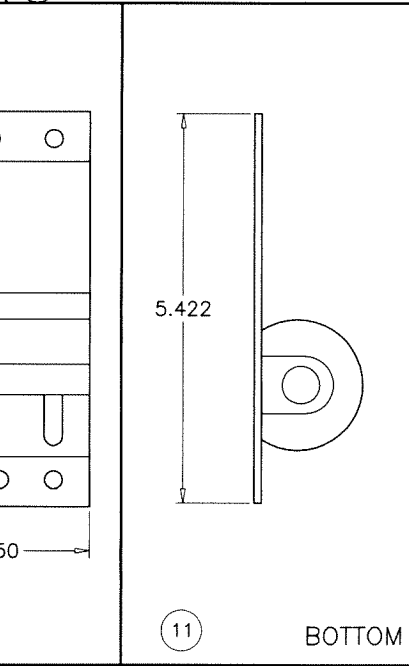
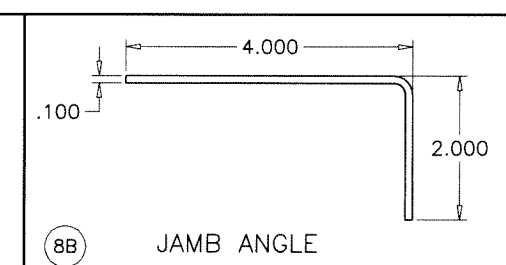
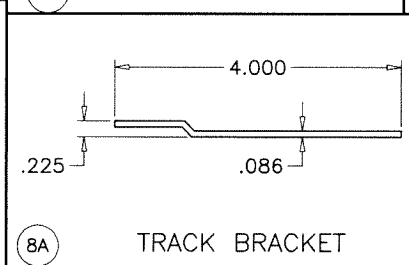
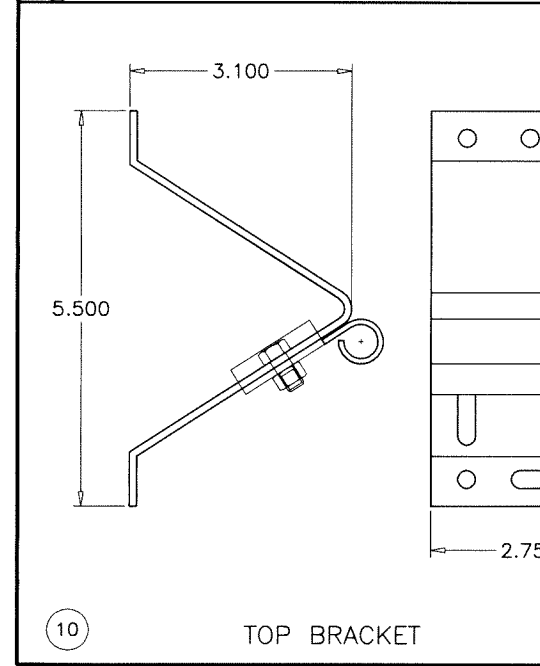
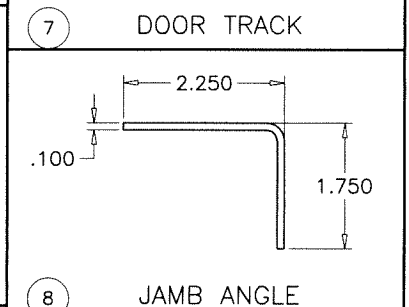
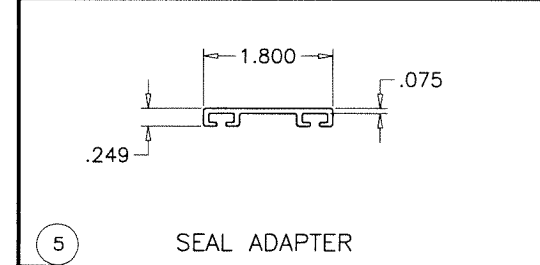
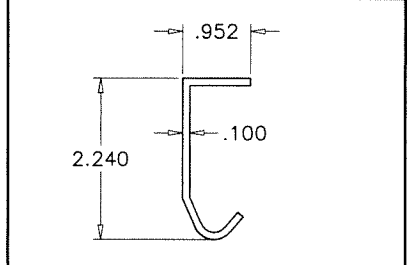
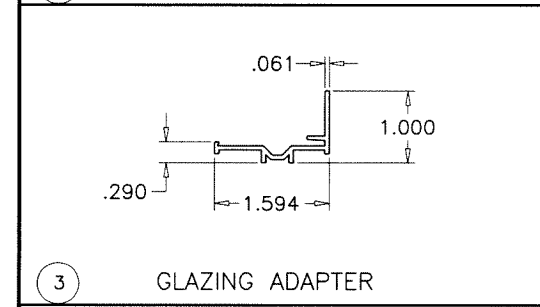
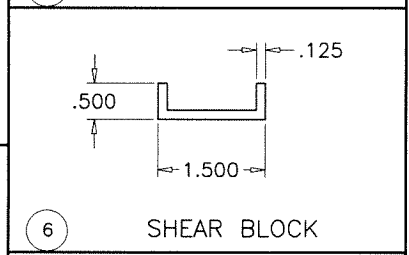
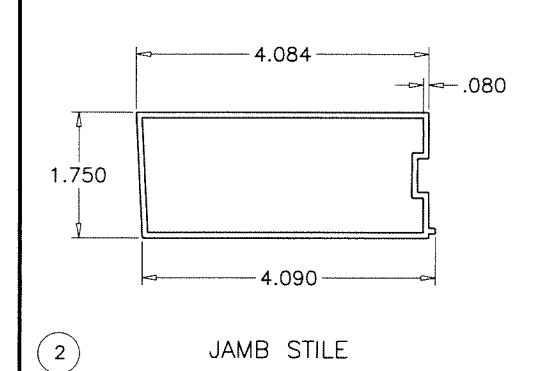
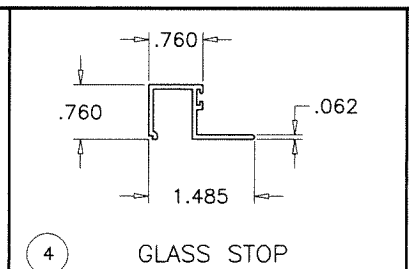
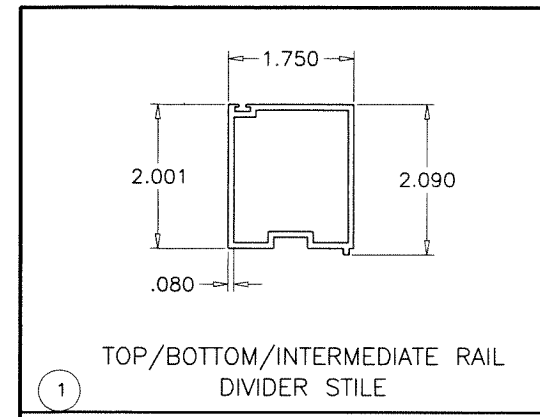
MAR 06 2024



**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 WWW.AFCENG.COM  
 FBPE # 8538

S-900 ALUM/GLASS SECTIONAL GARAGE DOOR (L.M.I.)  
**Empire Windows Industry, Inc.**  
 6508 N.W. 77th Court  
 Miami, FL. 33166  
 Phone: (786) 203-1574 Fax: (305) -

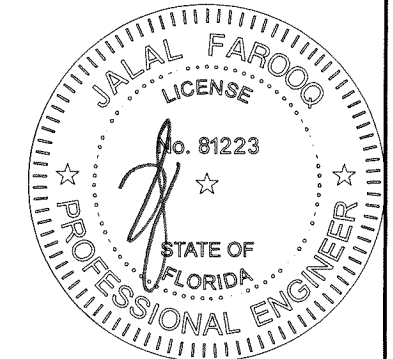
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date:	10-03-23			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	23-46D			
sheet	5 of 7			



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	PTAB2064	AS REQD.	TOP/BOTTOM/INTERMEDIATE RAIL, DIVIDER STILE	6063-T6	-
2	PTAB2052	2	JAMB STILE	6063-T6	-
3	ADAPT2057	AS REQD.	GLAZING ADAPTER	6063-T6	-
3A	#8 X 1"	AS REQD.	ADAPTER FASTENERS AT ?" FROM ENDS & 8" O.C.	6063-T6	FH SMS
4	G700007	AS REQD.	GLASS STOP (LAM. GLASS)	6063-T6	-
5	A101	AS REQD.	SEAL ADAPTER	6063-T6	-
5A	#8 X 1"	AS REQD.	ADAPTER FASTENERS AT ?" FROM ENDS & 12" O.C.	6063-T6	FH SMS
6	A-102	1/ CORNER	SHEAR BLOCK	6063-T6	-
7	-	2	DOOR TRACK	GALV. STEEL	-
8	-	AS REQD.	JAMB ANGLE	GALV. STEEL	Fy MIN. = 42 KSI
8A	-	AS REQD.	TRACK BRACKET	GALV. STEEL	Fy MIN. = 42 KSI
8B	-	AS REQD.	JAMB ANGLE	GALV. STEEL	Fy MIN. = 42 KSI
9	-	AS REQD.	ROLLER HINGES	GALV. STEEL	-
9.1	-	AS REQD.	CUT DOWN CENTER HINGES	GALV. STEEL	-
9A	#14 X 3/4"	AS REQD.	ROLLER HINGE FASTENERS	GALV. STEEL	HWH SELF DRILLING SCREWS
10	-	2	TOP BRACKET	GALV. STEEL	-
10A	#14 X 3/4"	6/ BRACKET	TOP BRACKET FASTENERS	GALV. STEEL	HWH SELF DRILLING SCREWS
11	-	2	BOTTOM BRACKET	GALV. STEEL	-
11A	#14 X 3/4"	4/ BRACKET	BOTTOM BRACKET FASTENERS	GALV. STEEL	HWH SELF DRILLING SCREWS
12	-	2	STANDARD LOCK	-	-
13	-	AS REQD.	ROLLER WITH STEM	STEEL	-
14	-	2	5/32" SPRING LIFT CABLE	GALV. STEEL	-
15	E-203	AS REQD.	GLAZING GASKET	EPDM	ULTRAFAB, DUROMETER 65±5 SHORE A
16	-	AS REQD.	BUMP-ON GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
17	-	2/ LITE	SETTING BLOCK, 1/8" X 1" X 4" LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5 SHORE A
18	G-102	AS REQD.	BULB W'STRIPPING	POLYPROPYLENE	DUROMETER 60±5 SHORE A
19	G-101	1	BOTTOM SECTION SEAL	POLYPROPYLENE	DUROMETER 60±5 SHORE A
20	-	AS REQD.	MOLDING WITH INTEGRATED W'STRIPPING (OPTIONAL)	-	-
21	-	2/ SECTION	3/8" THREADED ROD WITH NUT & FLAT WASHER	ST. STEEL	-

**PRODUCT APPROVED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-1207.04  
 Approval Date 04/04/2024  
 By *[Signature]*  
 Miami-Dade Product Control

MAR 06 2024



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 9360 SUNSET DRIVE, SUITE 220  
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 FBPE #3538 GARAGE\23-46D-EWI

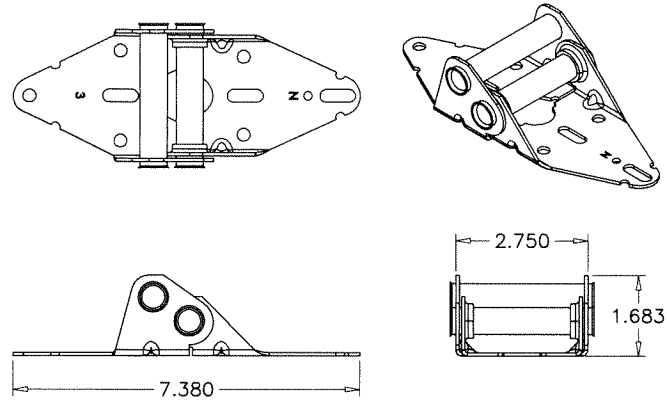
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 Miami, FL 33166  
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no	date	description
A	03.05.24	NO CHANGE THIS SHEET

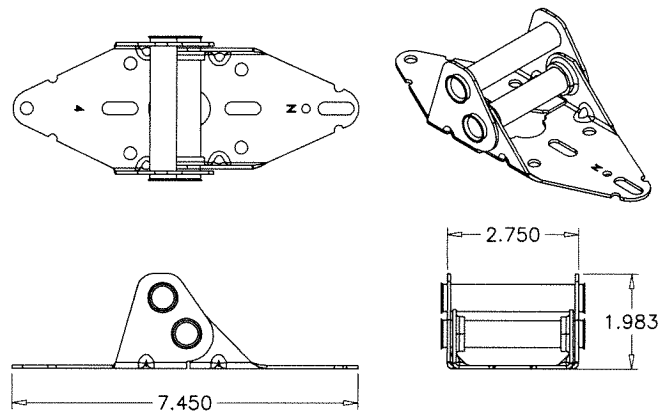
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 dr. by: TARIQ  
 chk. by:

drawing no.  
**23-46D**  
 sheet 6 of 7

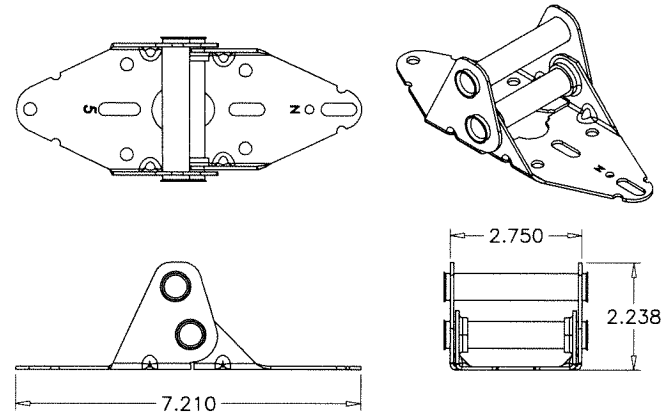




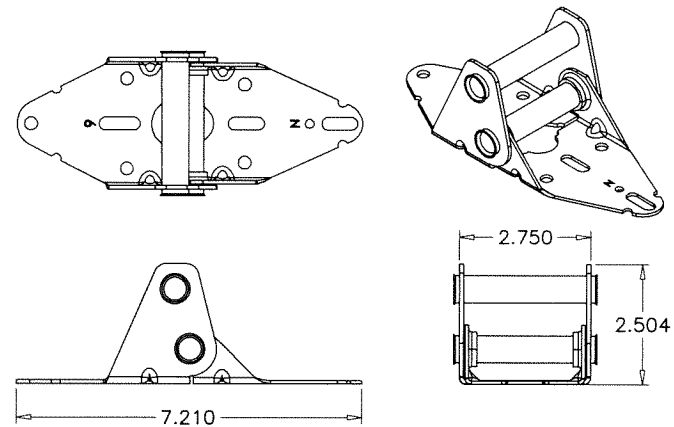
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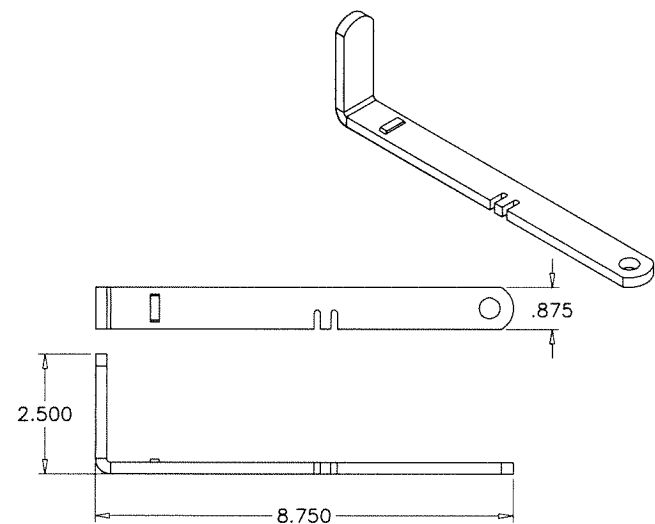
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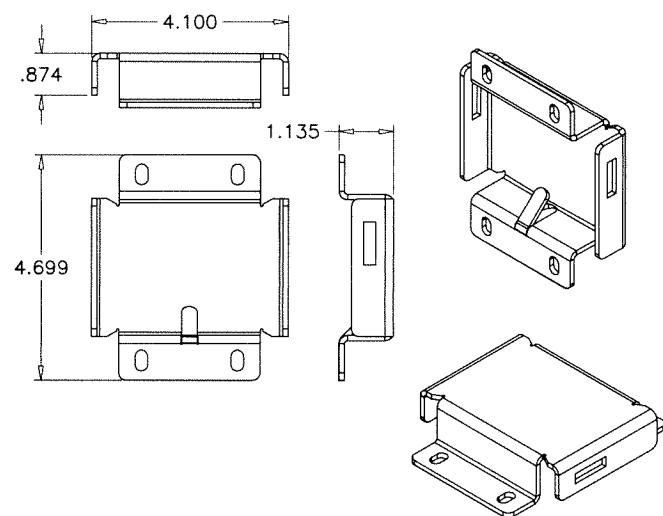
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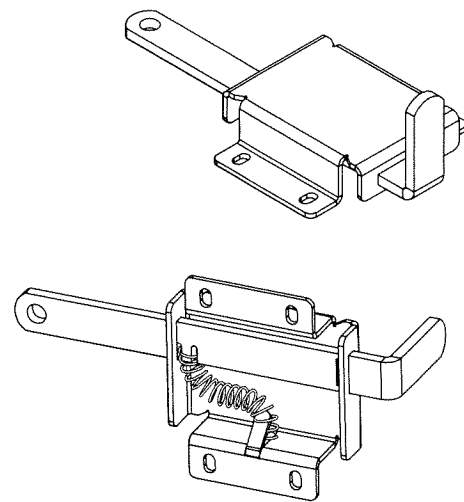
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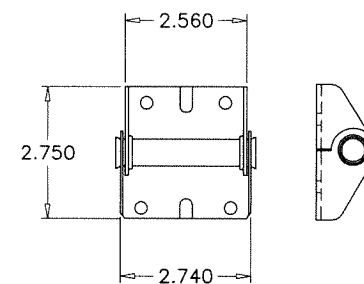
SLIDE LOCK HANDLE



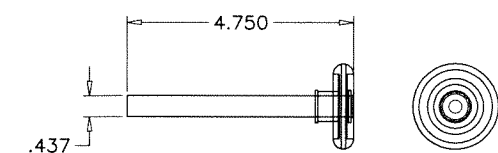
SLIDE LOCK BOX



SLIDE LOCK ASSEMBLY



CUT DOWN HINGE



ROLLER

**afc**  
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revisions:	
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A	03.05.24 REV. PER RER COMMENTS

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dr. by:	TARIQ
chk. by:	
drawing no.	23-46D
sheet	7 of 7

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