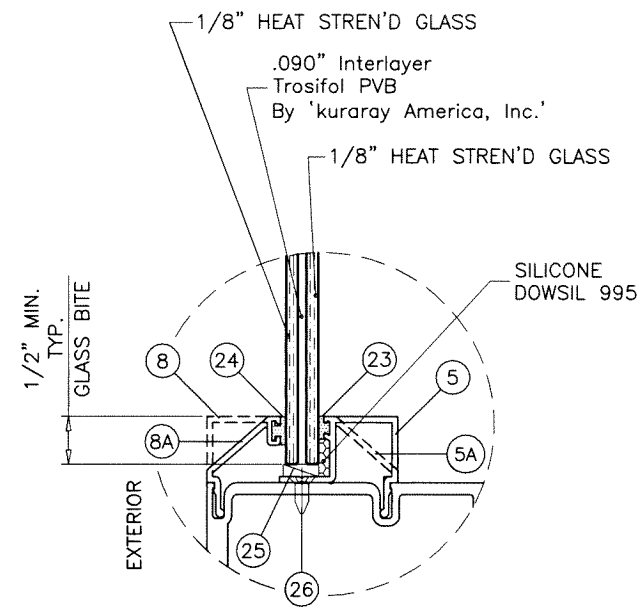
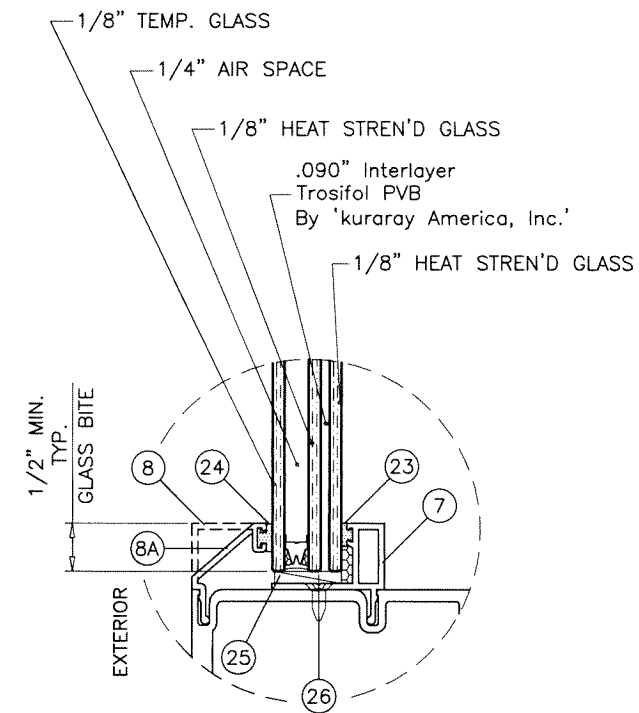


**GLASS TYPE 'G1'**  
7/16" OVERALL LAM. GLASS



**GLASS TYPE 'G2'**  
5/16" OVERALL LAM. GLASS



**GLASS TYPE 'G3'**  
11/16" OVERALL INSUL. LAM. GLASS

**GLAZING OPTIONS**

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.

**Coastline Garage Door Glass IZ4 (16'-2")**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY 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 2020/2023 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)'.

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.

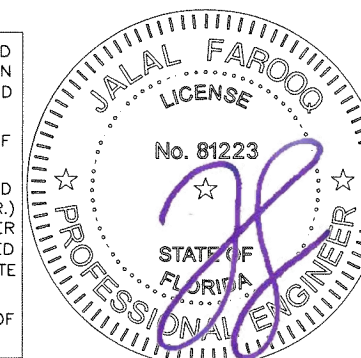
DOORS APPROVED FOR INSTALLATIONS WHERE AIR INFILTRATION RESISTANCE IS REQUIRED.

Test Pressure = 6.24 Psf  
Measured Flow = 0.04 cfm/ft<sup>2</sup>

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.  
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.  
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.  
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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FL #33694



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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
GARAGE \ 17-02SIW

Coastline Garage Door Glass IZ4 (16'-2")  
**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

no	date	by	description
A	08.09.17		GENERAL REVISION
B	12.10.18		COMPANY NAME REV.
C	08.27.20		UPDATED TO 2020 FBC
D	07.25.23		UPDATED TO 2023 FBC

date: 01-24-17  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**17-02**

sheet 1 of 7

5-1/2" X 3 1/2" X 12 GA.  
ST. STEEL TOP BRACKET  
W/ (6) #14 X 5/8" SMS

7-1/2" X 3" X 12 GA.  
ST. STEEL  
END ROLLER HINGE  
W/ (4) #14 X 5/8" SMS

3" X 3" X 12 GA.  
ST. STEEL  
CUT-DOWN HINGE  
W/ (4) #14 X 5/8" SMS

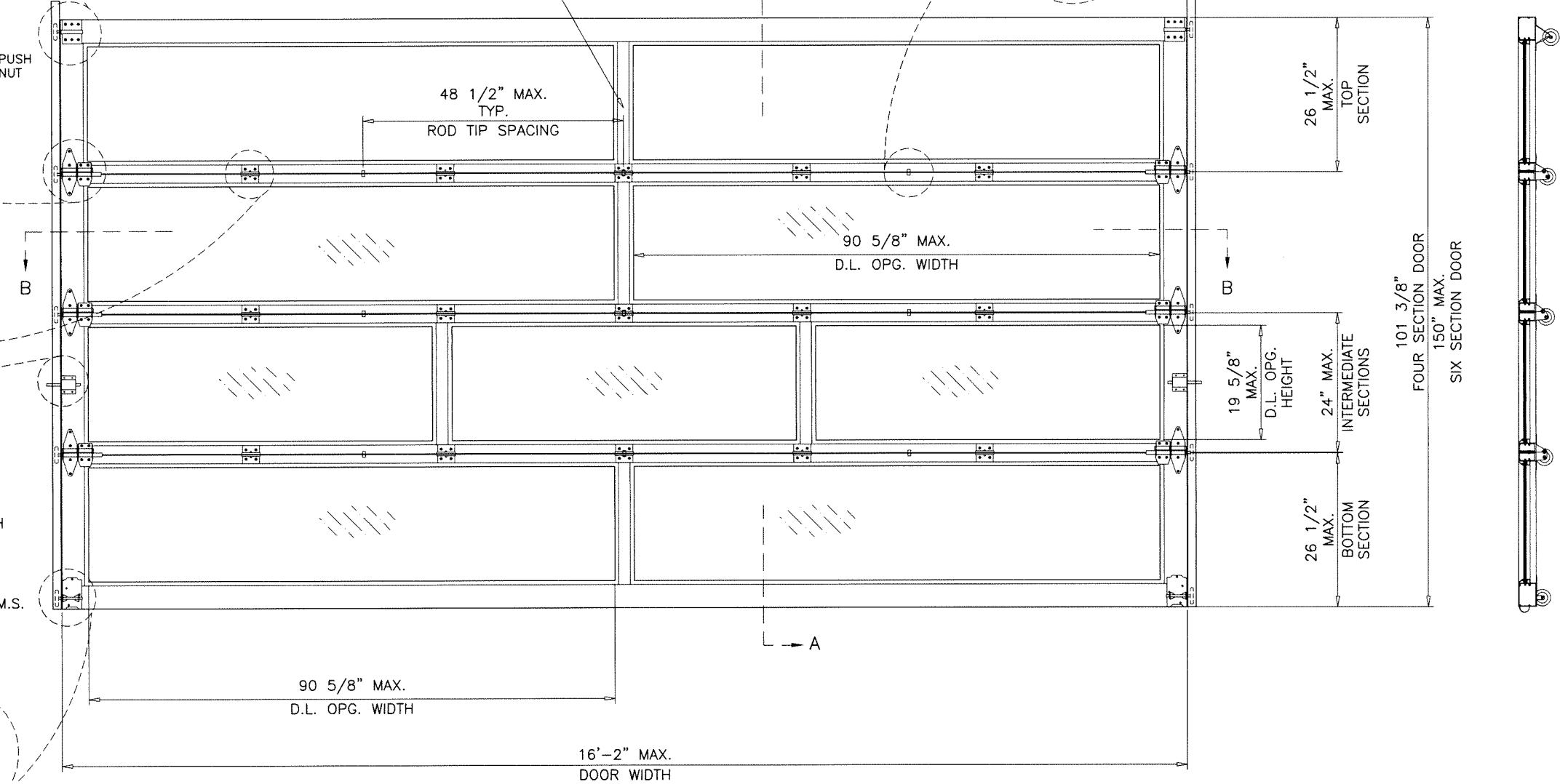
2/ DOOR  
1" W X .15 THK. LATCH  
STANDARD LOCK  
SPRING LOADED SLIDE BOLT  
(BOTH SIDES)  
FASTENED W/ (4) #14 X 1/2" S.M.S.  
5/8" MIN. LOCK ENGAGEMENT  
CONFORMS TO SECTION 1008  
REGARDING GARAGE DOORS

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

7-7/8" X 3-1/8" X 12 GA.  
ST. STEEL PLATE  
WITH (6) #14 X 3/4" SDS

DIVIDER STILE  
(1) MIN, REDQD.  
MORE THAN 1 OPTIONAL

STAINLESS STEEL  
ROD TIP (SIW2019)



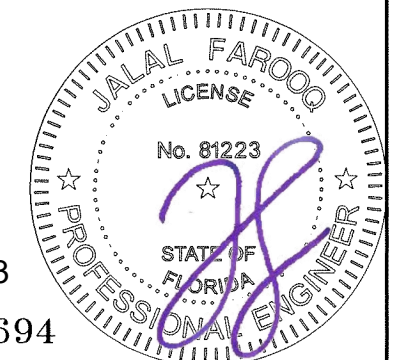
INSIDE ELEVATION

MAXIMUM DESIGN LOAD RATING = + 46.0 PSF  
(FOR SIZES SHOWN OR SMALLER) - 56.0 PSF

NOMINAL DOOR HEIGHT	CONSISTS OF	
	INTERMEDIATE SECTIONS	TOP AND BOTTOM SECTIONS
8'-6"	2 SECTIONS 24" HIGH	2 SECTIONS 26-1/2" HIGH
10'-6"	3 SECTIONS 24" HIGH	2 SECTIONS 26-1/2" HIGH
12'-6"	4 SECTIONS 24" HIGH	2 SECTIONS 26-1/2" HIGH

Sealed: 7/26/2023

FL #33694



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9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

Coastline Garage Door Glass IZ4 (16'-2")  
**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

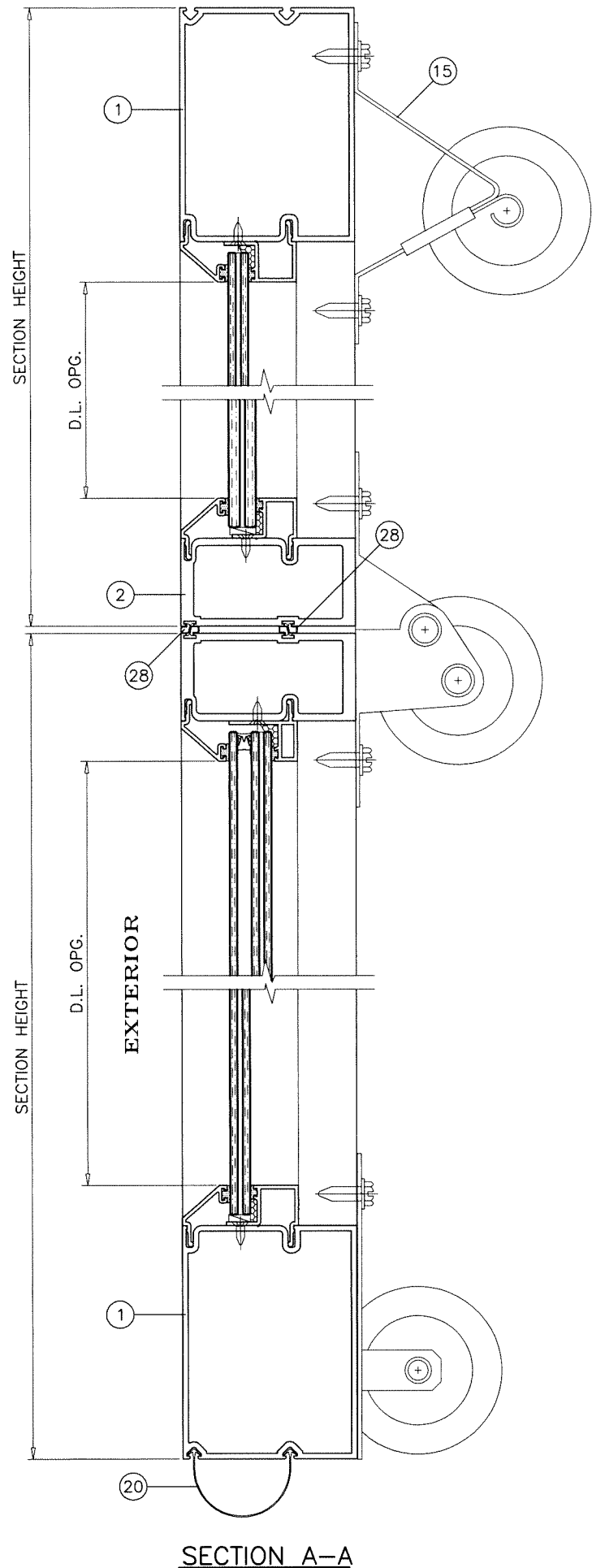
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dr. by: TARIQ  
chk. by:

drawing no.  
**17-02**  
sheet 2 of 7

GARAGE 17-02SIW



SECTION A-A

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW2001	2	TOP AND BOTTOM RAIL	6063-T6	-
2	SIW2002	AS REQD.	INTERMEDIATE RAIL	6063-T6	-
3	SIW2004	2/ SECTION	VERTICAL END STILE	6063-T6	-
4	SIW816	AS REQD.	VERTICAL DIVIDER STILE	6063-T6	-
5	SIW2005	4/ SECTION	INTERIOR GLASS STOP (5/16" GLASS)	6063-T6	-
5A	SIW2007	4/ SECTION	ALT. INTERIOR GLASS STOP (5/16" GLASS)	6063-T6	-
6	SIW2012	4/ SECTION	INTERIOR GLASS STOP (7/16" GLASS)	6063-T6	-
7	SIW2013	4/ SECTION	INTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
8	SIW2006	4/ SECTION	EXTERIOR GLASS STOP	6063-T6	-
8A	SIW2008	4/ SECTION	ALT. EXTERIOR GLASS STOP	6063-T6	-
9	SIW2009	AS REQD.	SEAL HOUSING	6063-T6	-
10	SIW303	AS REQD.	SNAP COVER	6063-T6	-
11	SIW2015	2	DOOR TRACK	GALV. STEEL	-
12	SIW2015B	2	INSTALLATION ANGLE	GALV. STEEL	-
13	SIW2016	AS REQD.	TRACK BRACKET	GALV. STEEL	-
14	H101	AS REQD.	UNIVERSAL HINGES	ST. STEEL	-
14A	H102	AS REQD.	UNIVERSAL HINGES (CUT DOWN)	ST. STEEL	-
15	H103	2	TOP FIXTURE	ST. STEEL	-
16	H104	2	BOTTOM FIXTURE	ST. STEEL	-
17	H106	AS REQD.	OVERHEAD CUT DOWN HINGE	ST. STEEL	-
18	H105	2	STANDARD LOCK	-	-
19	SIW2017	AS REQD.	3" ROLLER WITH 11" STEM	STEEL	-
20	SIW2011	1	BOTTOM SEAL	SANTOPRENE	CENTRAL PLASTICS
21	SIW2010	AS REQD.	OUTER SEAL	POLYPROPYLENE	MELTPOINT PLASTICS
22	SIW2019	-	ROD TIP	ST. STEEL	-
23	E20218	AS REQD.	INTERIOR GLAZING GASKET	TPE	ULTRAFAB
24	5530	AS REQD.	EXTERIOR GLAZING GASKET	SANTOPRENE	CENTRAL PLASTICS, DUROMETER 70±5 SHORE A
25	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 85±5 SHORE A
26	#8 X 1/2"	AS REQD.	GLASS STOP SCREWS	ST. STEEL	FH SELF DRILLING, AT 6" FROM ENDS & 24" O.C.
27	H107	2	5/32" SPRING LIFT CABLE	ST. STEEL	-
28	SIW811	AS REQD.	BULB W'STRIPPING AT INTERMEDIATE RAIL	PVC	-
29	#12 X 2"	AS REQD.	ASSEMBLY FASTENERS	ST. STEEL	PH SMS

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 GARAGE \ 17-02SIW

Coastline Garage Door Glass IZ4 (16'-2")  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
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 Tel. (218) 386-1430 Ext. 2143

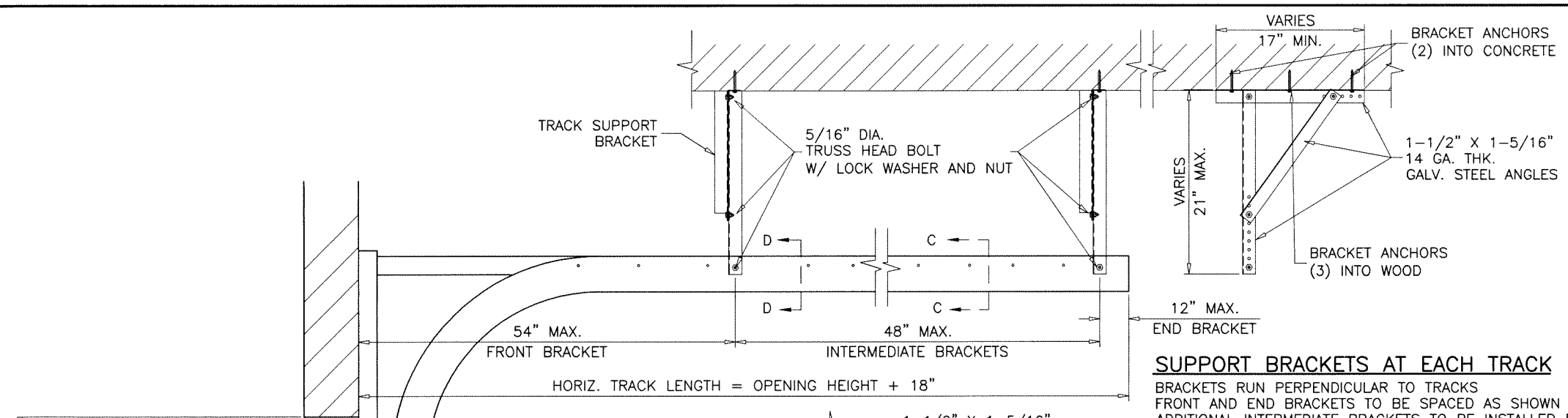
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drawing no.	17-02			
sheet	3 of 7			

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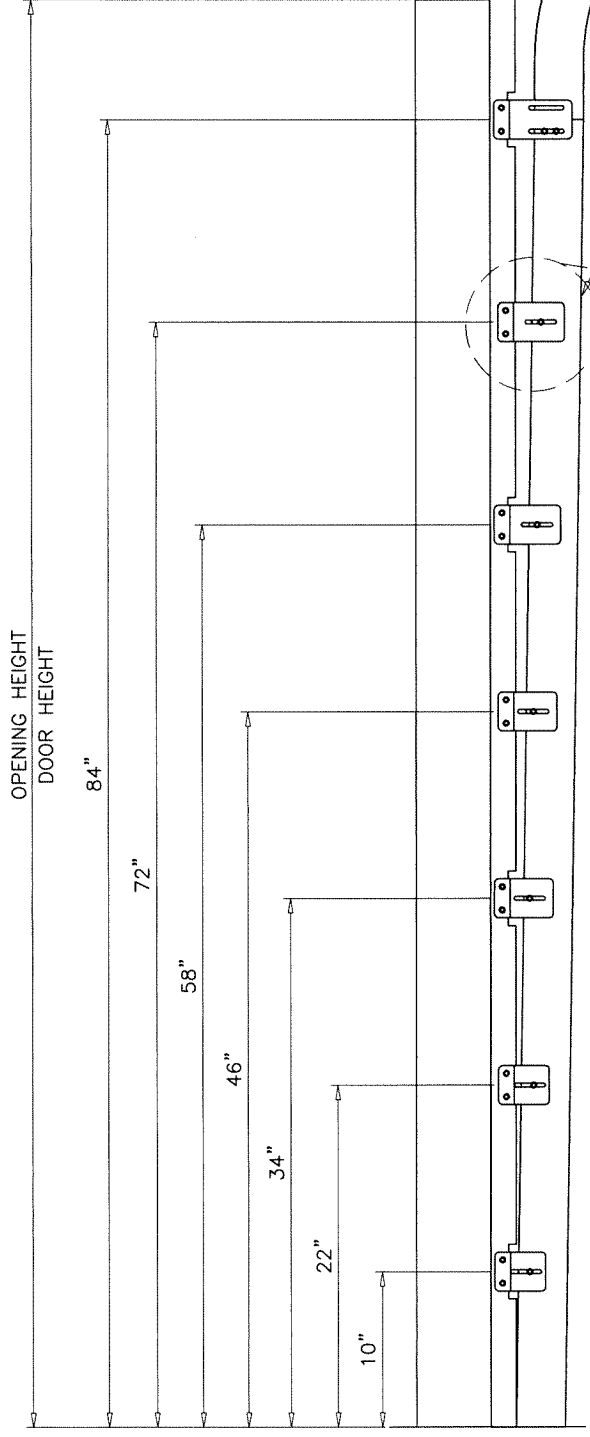
NOTE:  
IT SHALL BE VERIFIED THAT THE CEILING STRUCTURE CAN SUSTAIN LOADS IMPOSED BY DOOR WHEN LEFT IN OPEN POSITION.  
BRACES MAY BE MOVED IN ORDER TO ENGAGE THE CEILING STRUCTURE.  
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND ALL CEILING NON STRUCTURAL MATERIAL STUCCO OR CEILING DRESSING.

**SUPPORT BRACKETS AT EACH TRACK**

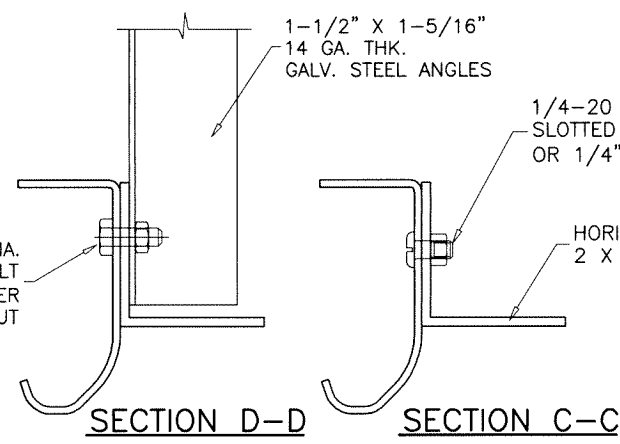
BRACKETS RUN PERPENDICULAR TO TRACKS  
FRONT AND END BRACKETS TO BE SPACED AS SHOWN ABOVE.  
ADDITIONAL INTERMEDIATE BRACKETS TO BE INSTALLED FOR SPACING MORE THAN 48" IN BETWEEN FRONT AND END BRACKETS.

**BRACKET ANCHORS:**

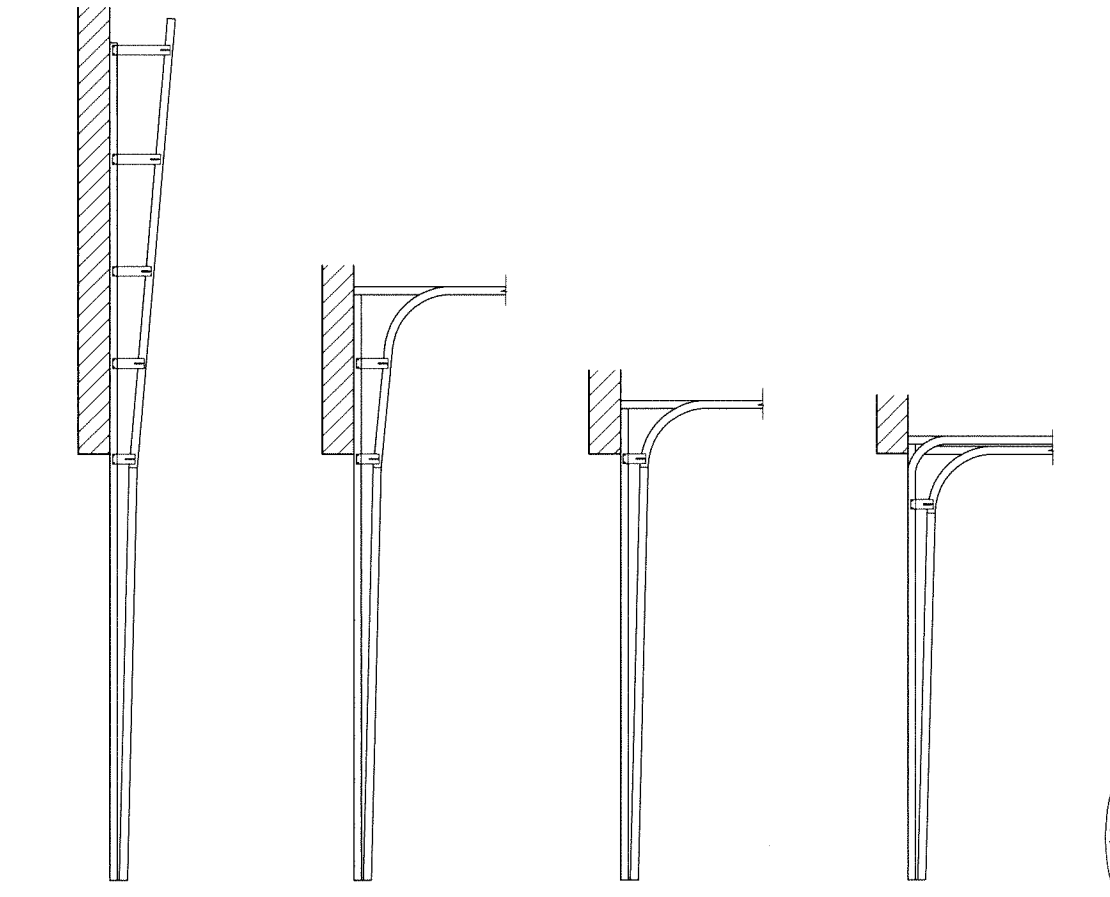
**(3) 5/16" DIA. LAG SCREWS**  
INTO WOOD STRUCTURES, (S.G.=0.50)  
1-1/2" MIN. PENETRATION  
**(2) 1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
INTO CONCRETE, 3000 PSI MIN.  
1-3/4" MIN. EMBED  
ANCHORING TO CEILING OTHER THAN WOOD OR CONCRETE TO BE REVIEWED SEPARATELY.



**TRACK CONFIGURATION**



**SECTION D-D**      **SECTION C-C**



**AVAILABLE TRACK OPTIONS**

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GARAGE 17-02SIW

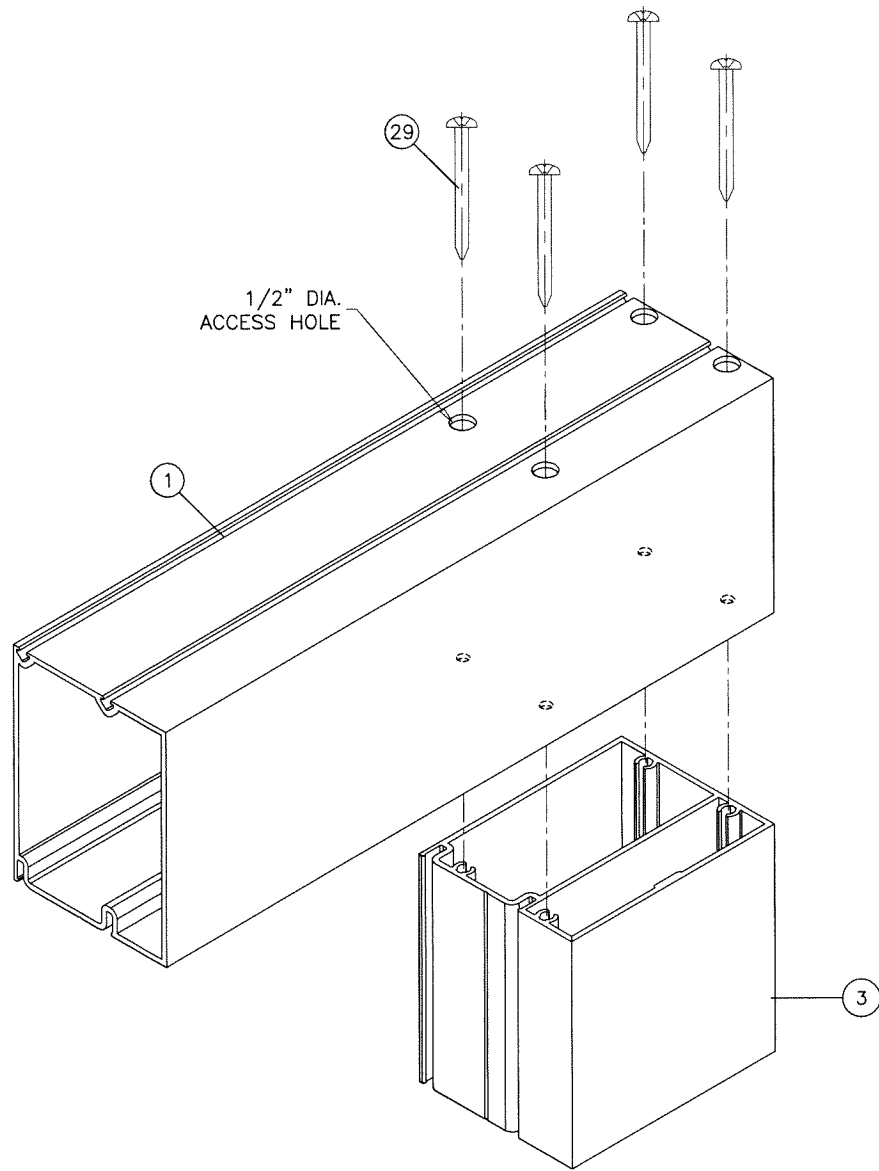
Coastline Garage Door Glass 174 (16'-2")  
**MARVIN**  
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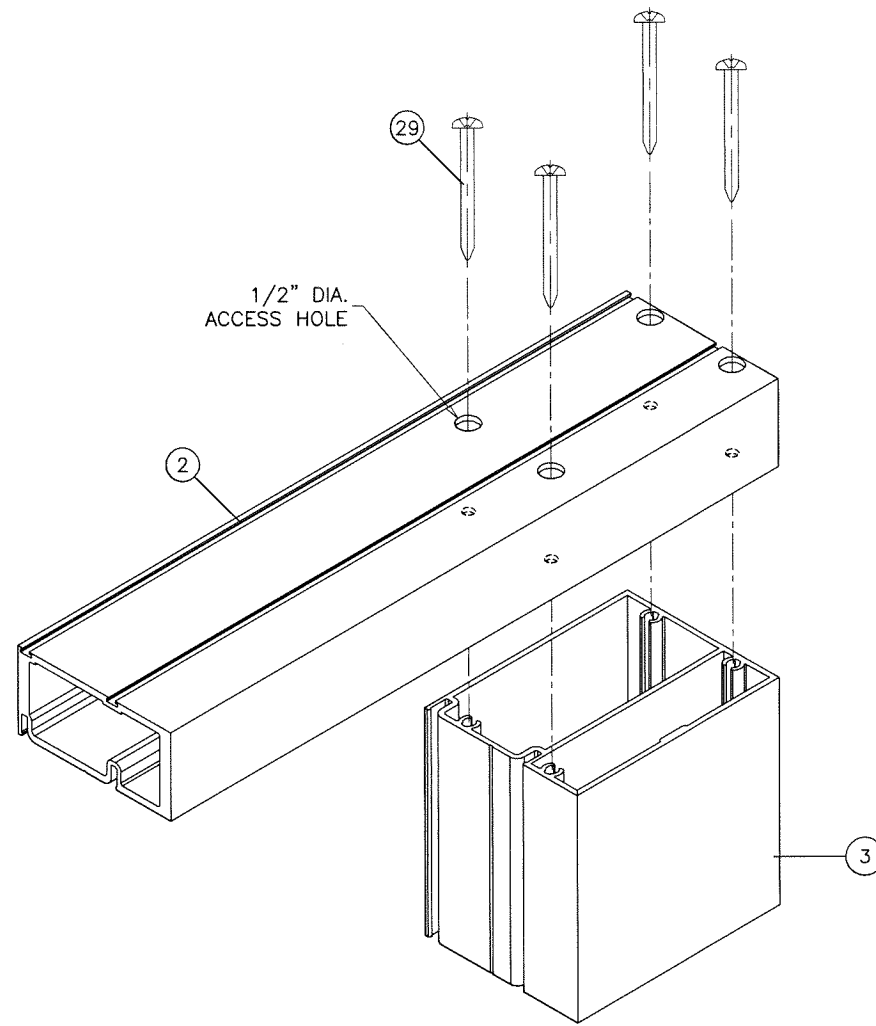
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chk. by:

drawing no. 17-02  
sheet 5 of 7

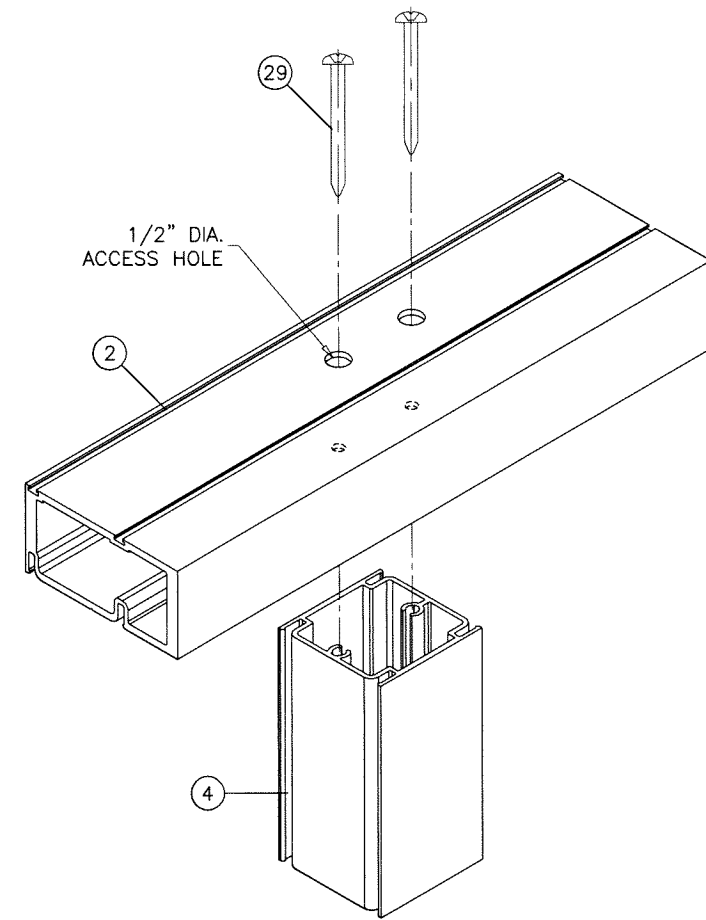




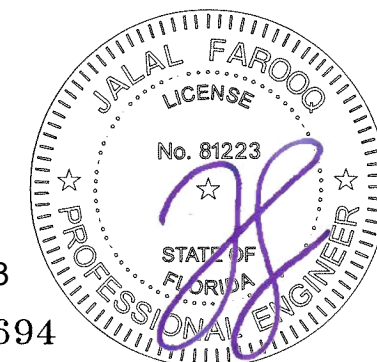
TOP/BOTTOM RAIL CORNER



INTERMEDIATE RAIL CORNER



DIVIDER STILE CORNER



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FL #33694

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