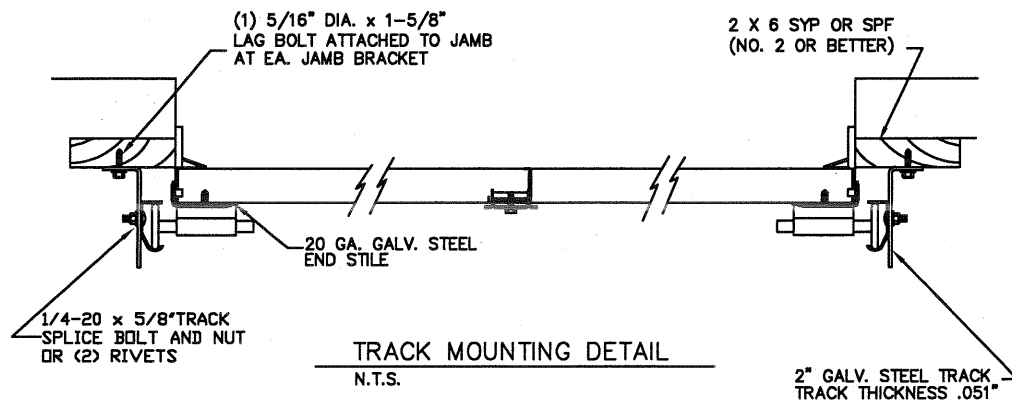
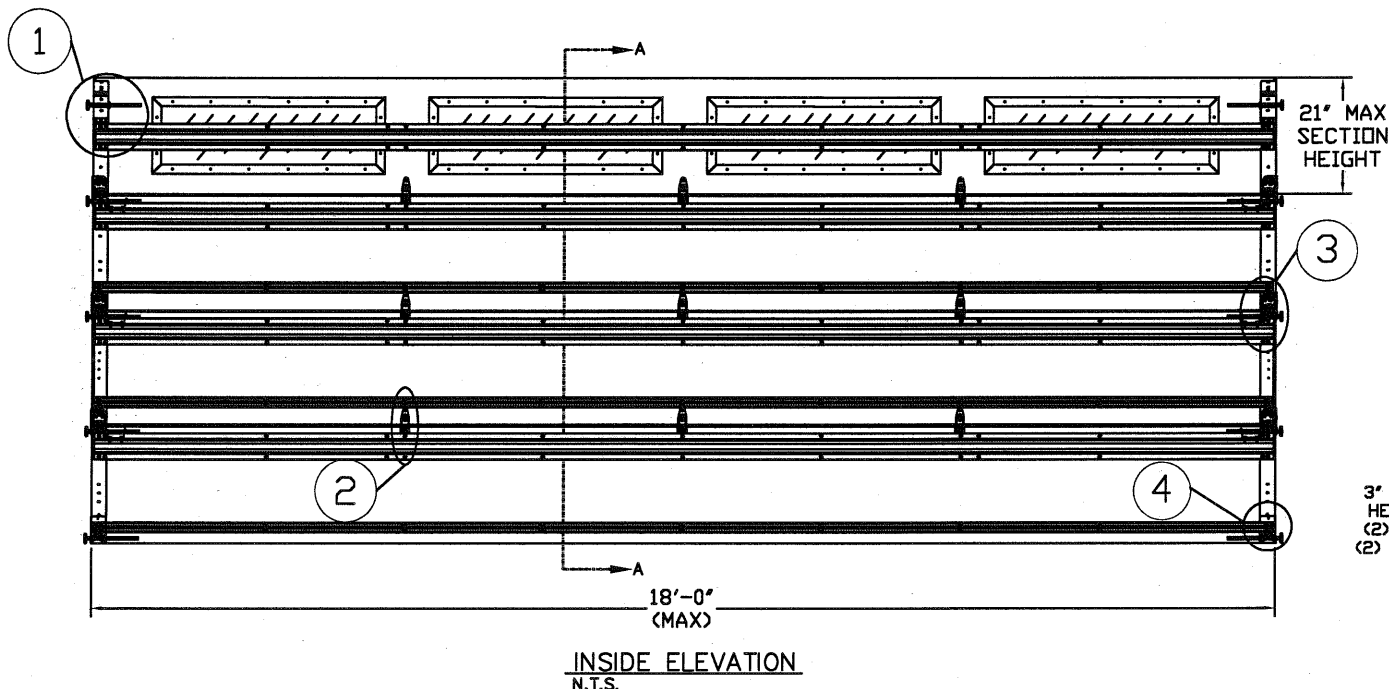
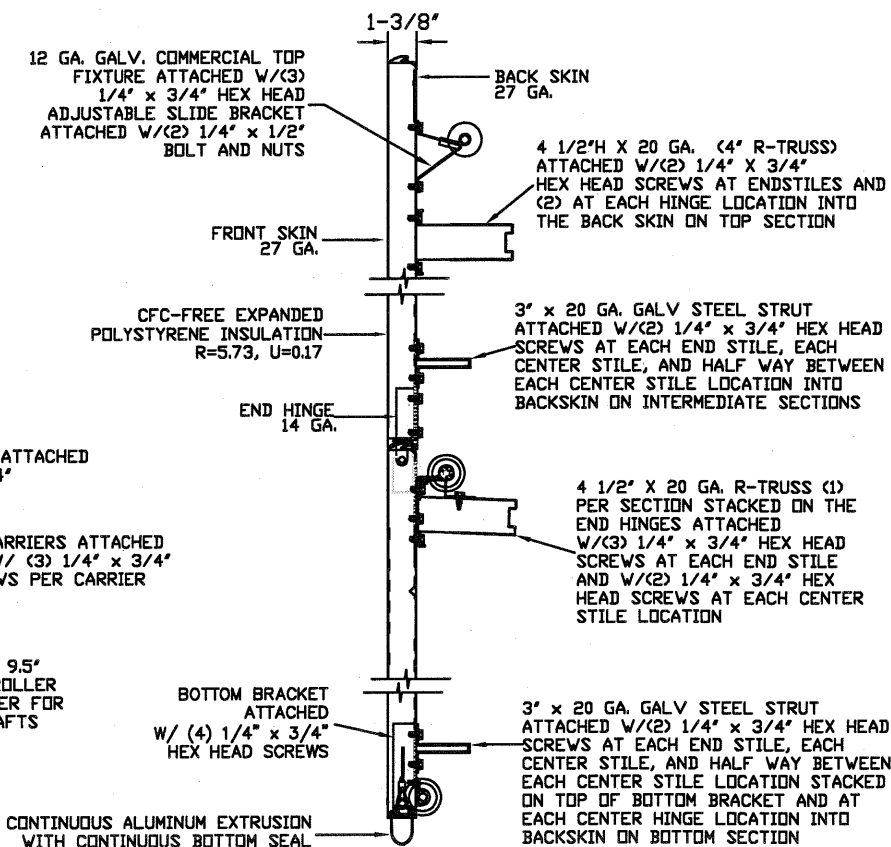
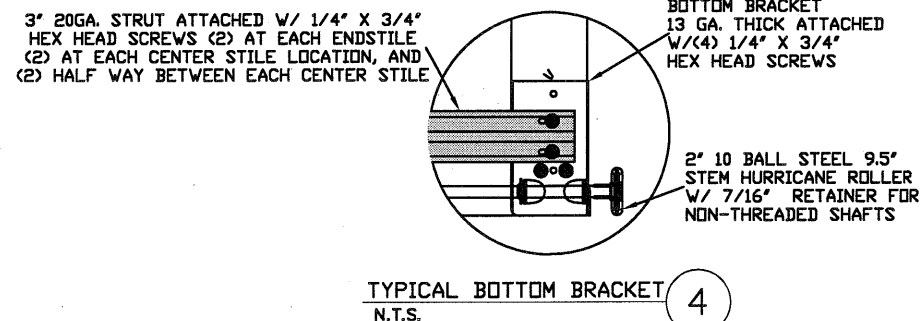
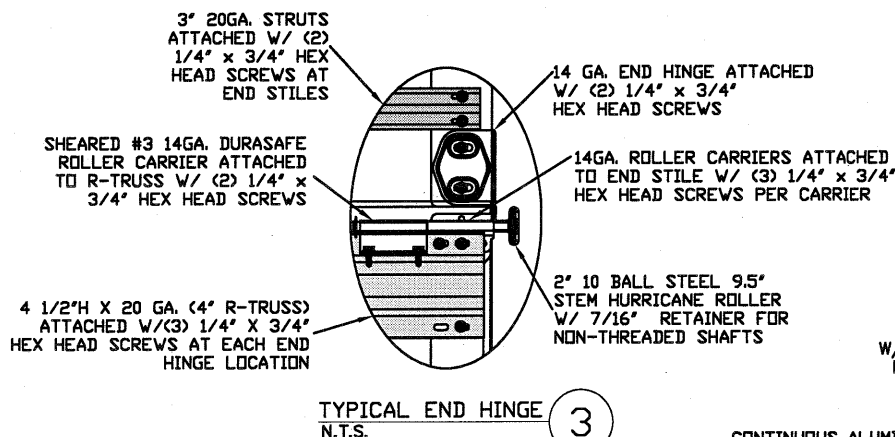
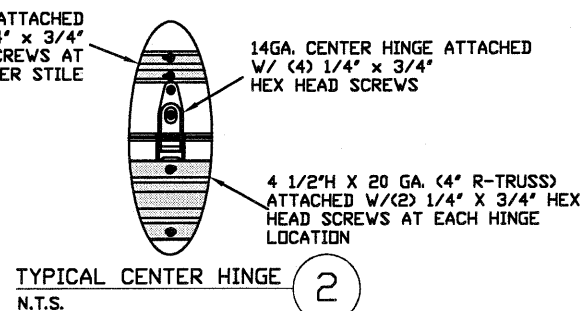
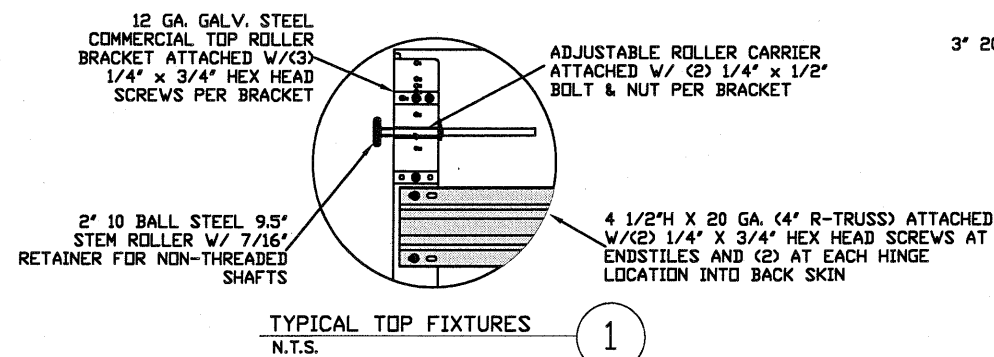


SPECIFICATIONS AND NOTES

- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +228.6 LBS/FT & -258.3 LBS/FT
- DOOR SECTIONS SHALL BE 27 GA. MIN. (.0151") ROLLED FORMED LIGHT COMMERCIAL QUALITY
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' WIDTH
14' HEIGHT
(DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.1 PSF
-43.1 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL #1500 AMARR STRATFORD 3000
MODEL #1200 AMARR HERITAGE 3000
MODEL #1550 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	09/24/13	DRAWING NUMBER IRC-1518-130-24
B	CHECKED BY	DATE			

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105

SHEET 1 OF 3

OPTIONAL SHORT AND
GLAZING MEETS ASTM E1300-04

5A

TOP SECTION

5B

INTERMEDIATE SECTION

The image contains two technical cross-section drawings of a window glazing system. The top drawing, labeled '5A' and 'TOP SECTION', shows a multi-pane window assembly with four rectangular panes separated by muntins. A circular callout labeled '5A' points to the left edge of the first pane. The bottom drawing, labeled '5B' and 'INTERMEDIATE SECTION', shows a similar assembly but with the panes filled with diagonal hatching. A circular callout labeled '5B' points to the left edge of the first pane. Both drawings show the internal structure of the window frame and the glazing system, including the muntins and the panes. The text 'OPTIONAL SHORT AND GLAZING MEETS ASTM E1300-04' is located at the top right of the image.

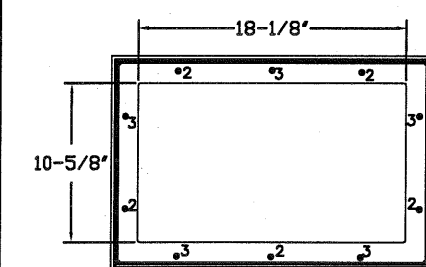
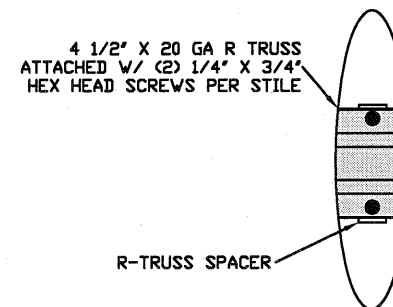
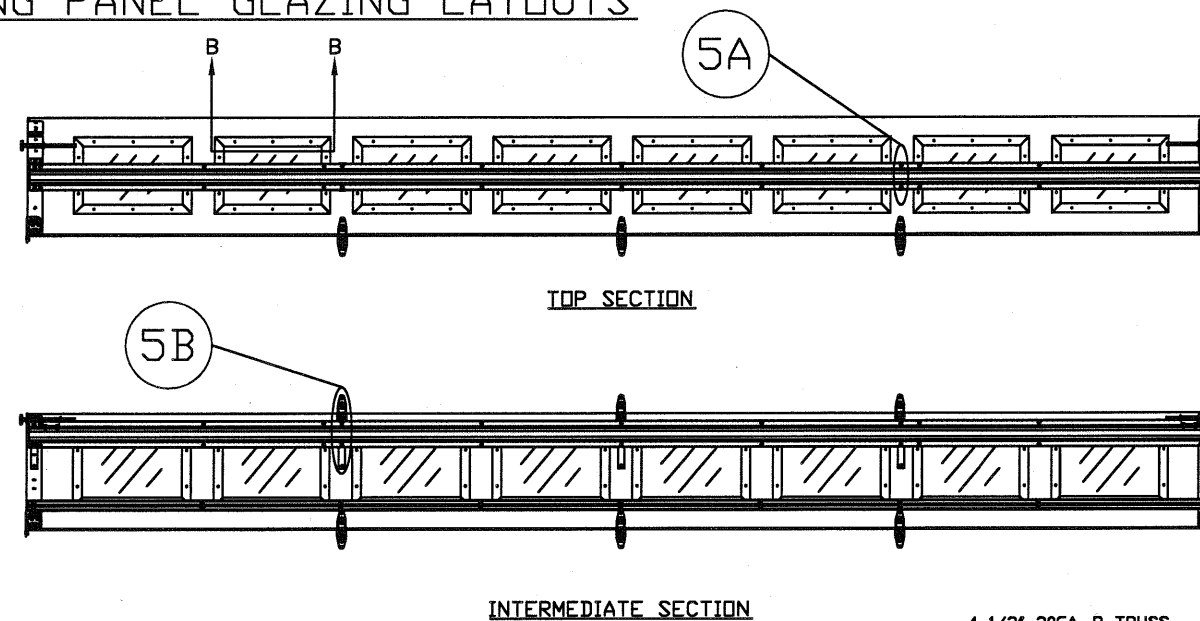


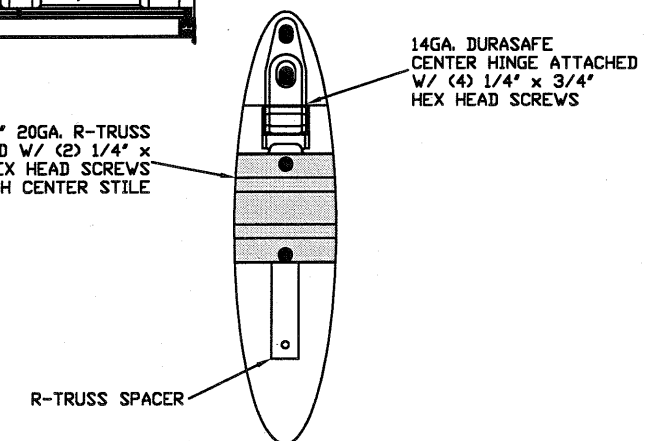
Diagram of a rectangular floor plan with dimensions and room numbers:

- Overall width: $38-1/8'$
- Overall height: $10-5/8'$
- Room numbers (clockwise from top-left): 2°, 3°, 2°, 3°, 2°, 3°
- Room numbers (clockwise from bottom-left): 3°, 2°, 3°, 2°, 3°, 2°

GLAZING OPTION CROSS SECTION



4 1/2" 20GA. R-TRUSS
ATTACHED W/ (2) 1/4" x
3/4" HEX HEAD SCREWS
AT EACH CENTER STILE



R-TRUSS SPACER
N.T.S. (5B)

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 18" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

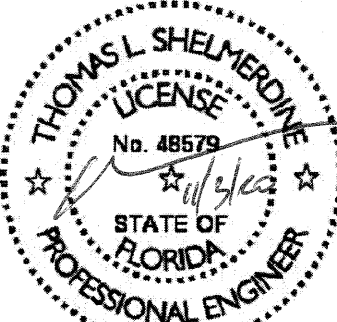
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 22" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

Diagram illustrating the required embedment of a 2x6 JAMB into various structural materials:

- WOOD STRUCTURE:** Embedment depth is 1 1/2" MIN.
- CONCRETE STRUCTURE:** Embedment depth is 2-3 1/4" MIN.
- HOLLOW BLOCK STRUCTURE:** Embedment depth is 1-1 1/2" MIN.
- GRAUTED BLOCK STRUCTURE:** Embedment depth is 4" MIN.

The jamb is labeled as 2X6 TYP. and the embedment is labeled as EMBEDMENT.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +25.4 PSF -28.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +38.1 PSF -43.1 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
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MODEL #1500 AMARR STRATFORD 3000 MODEL #1200 AMARR HERITAGE 3000 MODEL #1550 AMARR OAK SUMMITT 3000 SHORT, LONG, FLUSH & OAK SUMMITT PANELS				
SIZE	DRAWN BY	R/LR	DATE 09/24/13	DRAWING NUMBER IRC-1518-130-24
B	CHECKED BY		DATE	

ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC 27105	SHEET 2 OF 3
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TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	S
6' 6"	10"	21"	42"	63"					70"
7'	10"	21"	42"	63"					76"
7' 6"	10"	21"	42"	63"					82"
8'	10"	21"	42"	63"					88"
8' 6"	10"	21"	42"	63"	84"				94"
9'	10"	21"	42"	63"	84"				100"
9' 6"	10"	21"	42"	63"	84"				106"
10'	10"	21"	42"	63"	84"	105"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11'	10"	21"	42"	63"	84"	105"			124"
11' 6"	10"	21"	42"	63"	84"	105"			130"
12'	10"	21"	42"	63"	84"	105"	126"		136"
12' 6"	10"	21"	42"	63"	84"	105"	126"		142"
13'	10"	21"	42"	63"	84"	105"	126"		148"
13' 6"	10"	21"	42"	63"	84"	105"	126"	147"	154"
14'	10"	21"	42"	63"	84"	105"	126"	147"	160"

ALL TRACK ATTACHMENT SPACING $\pm 2'$ ALLOWED
WITH SYP OR SPF NO. 2 OR BETTER ONLY

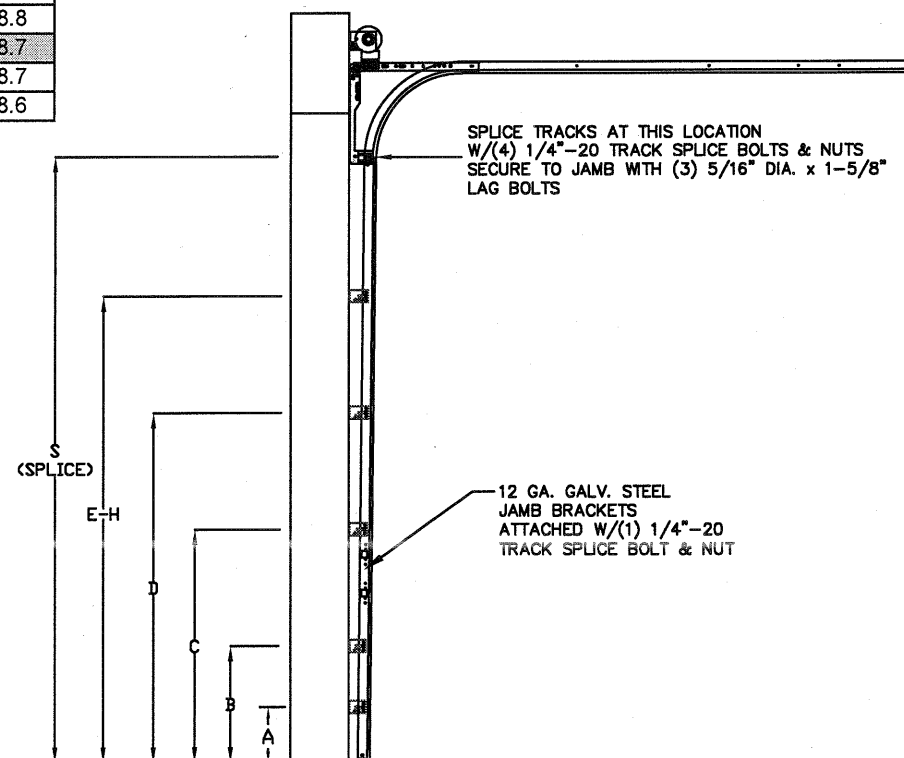
TABLE 3

Section	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
16' 2	Short	28.1	31.8
16' 2	Long	28.1	31.8
16' 2	Oak Summit	28.1	31.8
16' 4	Short	27.9	31.5
16' 4	Long	27.9	31.5
16' 4	Oak Summit	27.9	31.5
16' 6	Short	27.6	31.2
16' 6	Long	27.6	31.2
16' 6	Oak Summit	27.6	31.2
16' 8	Short	27.3	30.8
16' 8	Long	27.3	30.8
16' 8	Oak Summit	27.3	30.8
16' 10	Short	27.0	30.5
16' 10	Long	27.0	30.5
16' 10	Oak Summit	27.0	30.5
17' 0	Short	26.8	30.2
17' 0	Long	26.8	30.2
17' 0	Oak Summit	26.8	30.2
17' 2	Short	26.5	29.9
17' 2	Long	26.5	29.9
17' 2	Oak Summit	26.5	29.9
17' 4	Short	26.2	29.7
17' 4	Long	26.2	29.7
17' 4	Oak Summit	26.2	29.7
17' 6	Short	26.0	29.4
17' 6	Long	26.0	29.4
17' 6	Oak Summit	26.0	29.4
17' 8	Short	25.7	29.1
17' 8	Long	25.7	29.1
17' 8	Oak Summit	25.7	29.1
17' 10	Short	25.5	28.8
17' 10	Long	25.5	28.8
17' 10	Oak Summit	25.5	28.8
18' 0	Short	25.4	28.7
18' 0	Long	25.4	28.7
18' 0	Oak Summit	25.3	28.6

GLAZING IS AVAILABLE FOR ANY
DOOR SIZE IF THE REQUIRED DESIGN
PRESSURES ARE LESS THAN OR
EQUAL TO (+25.4/-28.7)

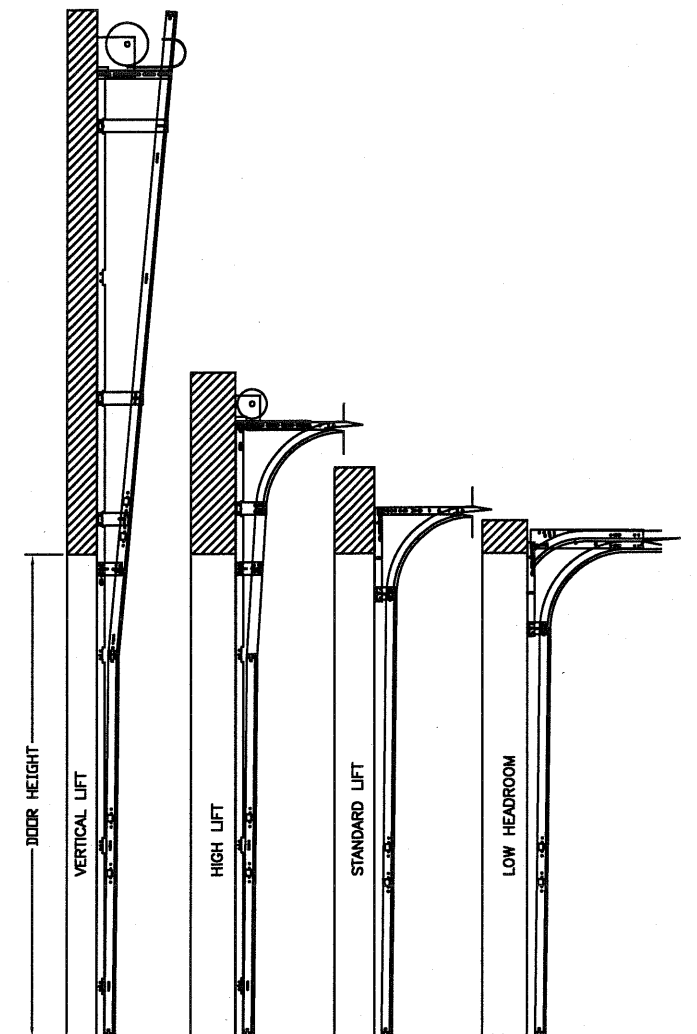
TABLE 4

Section	Panel Type	Center Stile Locations (Measured from Left Edge)		
		1st (in)	2nd (in)	3rd (in)
16' 2	Short	50.27	97.00	143.73
16' 2	Long	51.17	97.00	142.83
16' 2	Oak Summit	48.75	97.00	145.25
16' 4	Short	51.27	98.00	144.73
16' 4	Long	52.17	98.00	143.83
16' 4	Oak Summit	49.08	98.00	146.92
16' 6	Short	52.27	99.00	145.73
16' 6	Long	51.34	99.00	146.66
16' 6	Oak Summit	49.42	99.00	148.59
16' 8	Short	51.34	100.00	148.66
16' 8	Long	52.20	100.00	147.80
16' 8	Oak Summit	49.92	100.00	150.09
16' 10	Short	51.50	101.00	150.50
16' 10	Long	53.20	101.00	148.80
16' 10	Oak Summit	50.15	101.00	151.59
17' 0	Short	53.34	102.00	150.66
17' 0	Long	54.20	102.00	149.80
17' 0	Oak Summit	50.92	102.00	153.09
17' 2	Short	53.00	103.00	153.00
17' 2	Long	55.20	103.00	150.80
17' 2	Oak Summit	51.42	103.00	154.59
17' 4	Short	54.00	104.00	154.00
17' 4	Long	56.20	104.00	151.80
17' 4	Oak Summit	51.92	104.00	156.09
17' 6	Short	55.00	105.00	155.00
17' 6	Long	57.20	105.00	152.80
17' 6	Oak Summit	52.42	105.00	157.59
17' 8	Short	54.80	106.00	157.20
17' 8	Long	55.80	106.00	156.20
17' 8	Oak Summit	52.92	106.00	159.09
17' 10	Short	55.80	107.00	158.20
17' 10	Long	56.25	107.00	157.75
17' 10	Oak Summit	53.42	107.00	160.59
18' 0	Short	57.25	108.00	158.75
18' 0	Long	57.80	108.00	158.20
18' 0	Oak Summit	53.92	108.00	162.09



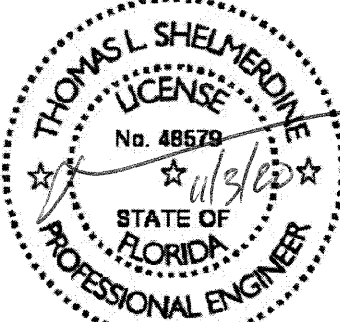
TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS (SEE TABLE 2)

N.T.S.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +25.4 PSF -28.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +38.1 PSF -43.1 PSF	Thomas L. Shelmardine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)		dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
	FL		



MODEL #1500 AMARR STRATFORD 3000 MODEL #1200 AMARR HERITAGE 3000 MODEL #1550 AMARR OAK SUMMIT 3000 SHORT, LONG, FLUSH & OAK SUMMIT PANELS			
SIZE	DRAWN BY	RLR	DATE 08/24/13
B	CHECKED BY		DATE
			DRAWING NUMBER IRC-1518-130-24
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			SHEET 3 OF 3