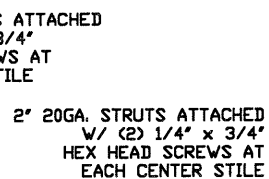
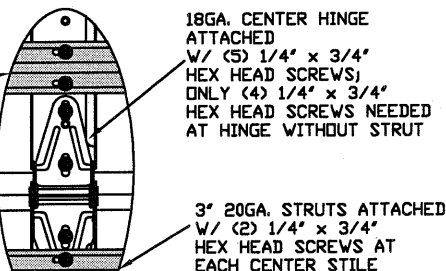


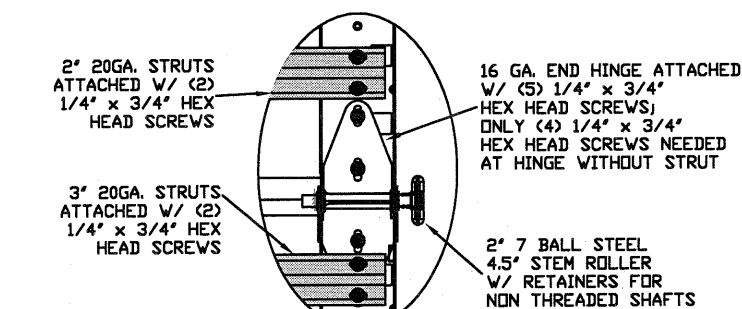
TYPICAL TOP FIXTURE
N.T.S.



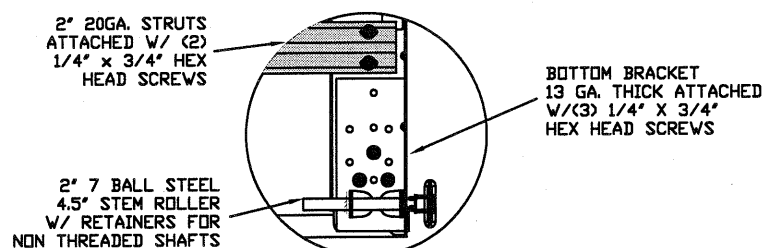
TYPICAL CENTER HINGE
N.T.S.



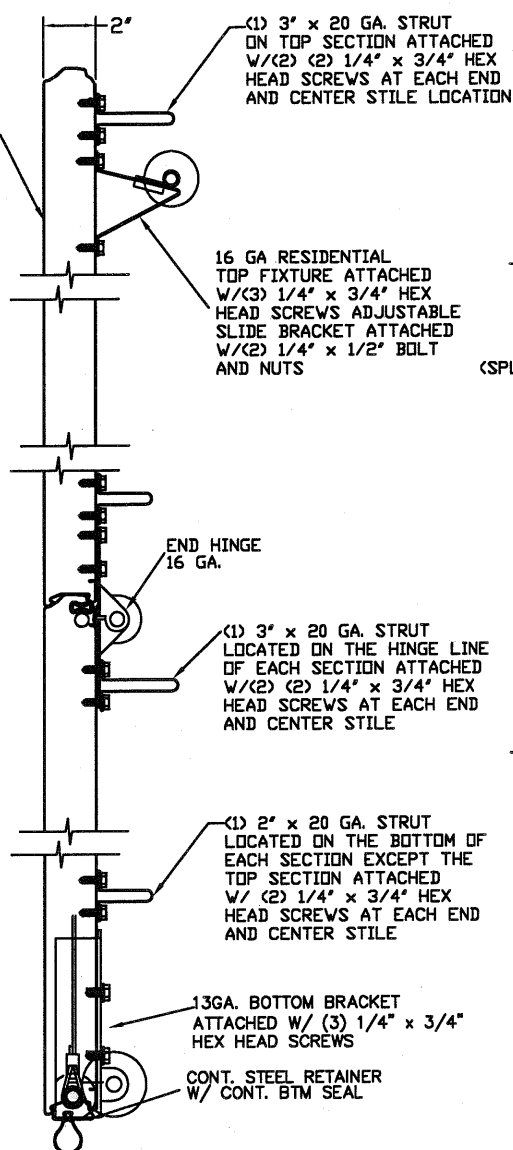
TYPICAL END HINGE
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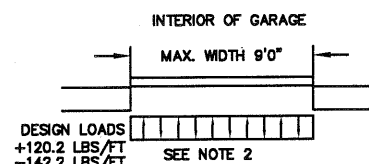
OPTIONAL VENT DETAIL
N.T.S.



TYPICAL BOTTOM BRACKET
N.T.S.

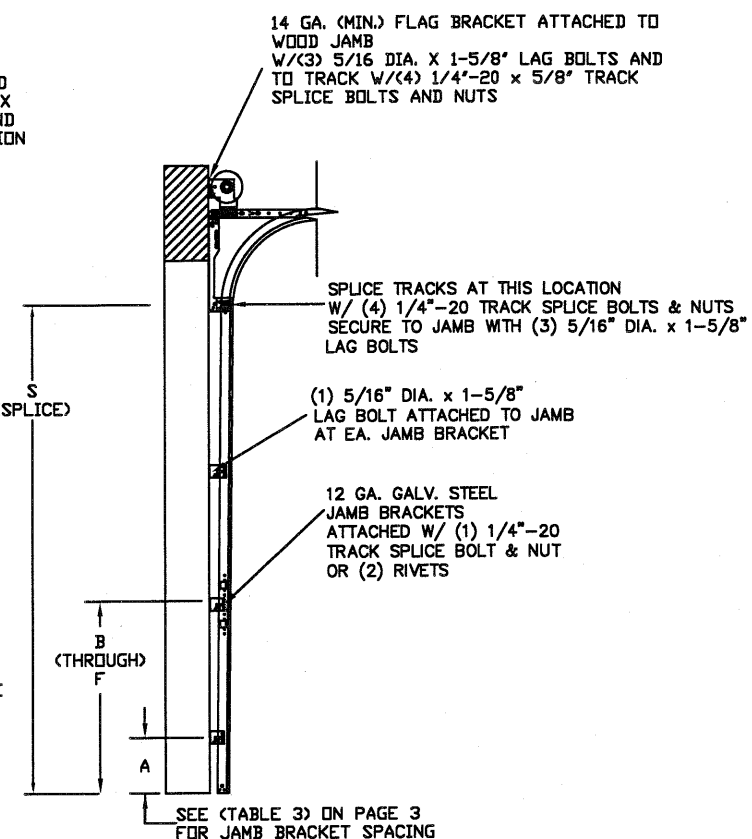


SECTION A-A (SIDE VIEW)
N.T.S.

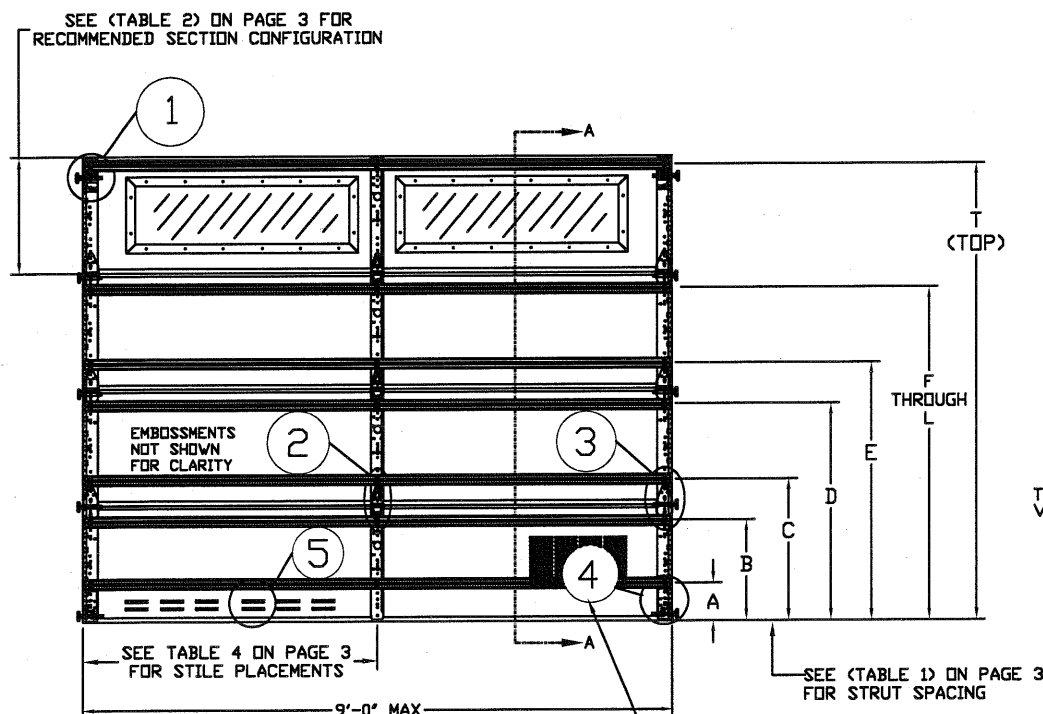


SPECIFICATIONS AND NOTES

- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +120.2 LBS/FT & -142.2 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
- DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") 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.
- REFER TO TABLES ON PAGE 3 FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES

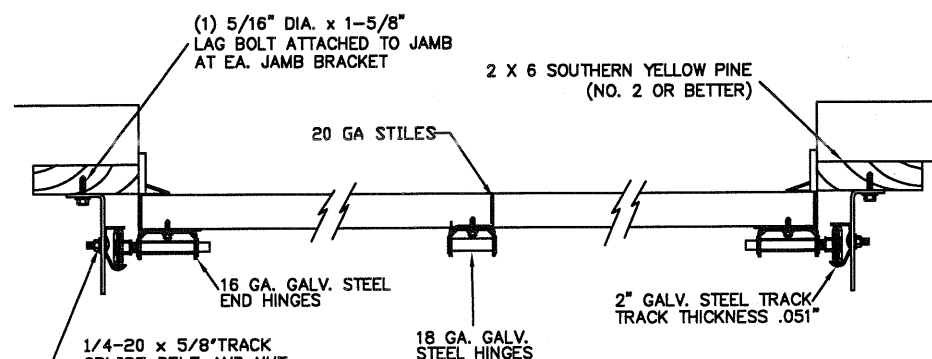


TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



INSIDE ELEVATION
N.T.S.

VENTS PROVIDE 70 sq in. (62 sq. in. FOR OPTIONAL VENT) OF UNOBSTRUCTED AIR FLOW EACH.



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASHA 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
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
+40.1 PSF
-47.4 PSF

THOMAS L. SHELDERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

MODEL #625 AMARR LINCOLN 1000, 1500, 2000
MODEL #675 AMARR HILLCREST 1000, 1500, 2000

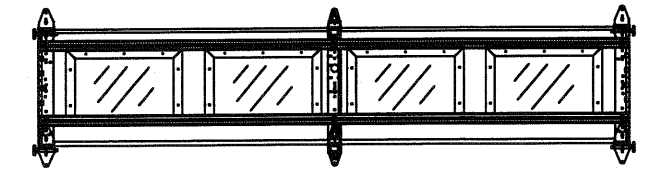
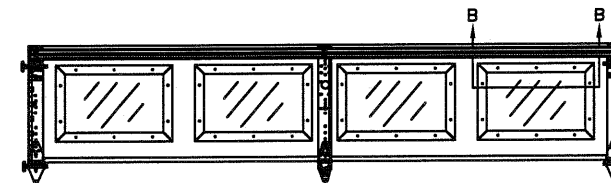
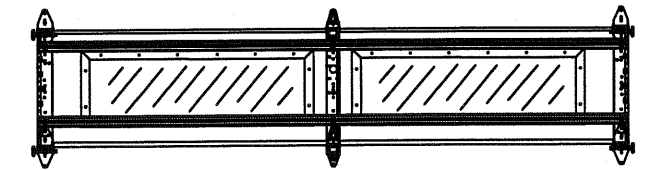
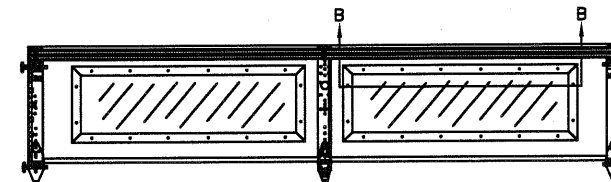
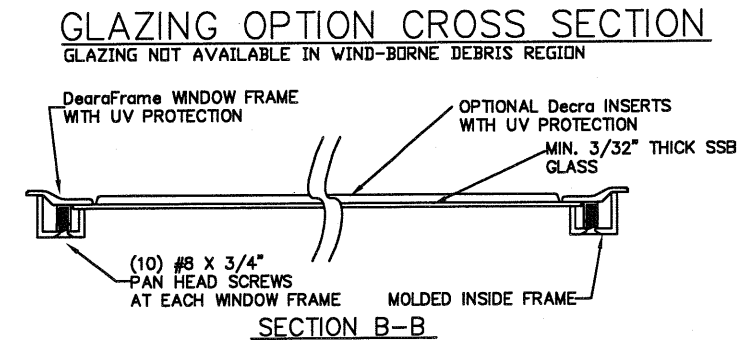
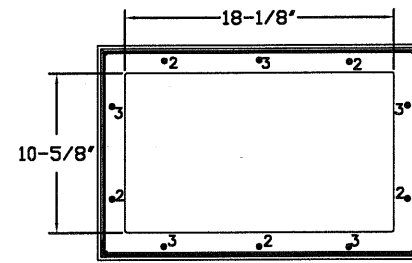
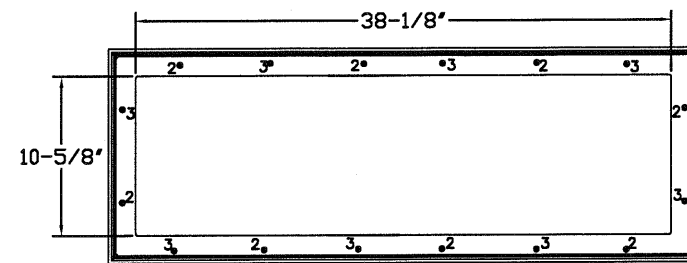
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DRAWN BY: RLR
CHECKED BY: RLR

DATE: 10/22/15
DATE: 10/22/15

DRAWING NUMBER
IRC-6209-130-15

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 3



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE

5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" 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 24" 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 24" 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 24" O.C. (1 1/4" EMBEDMENT)

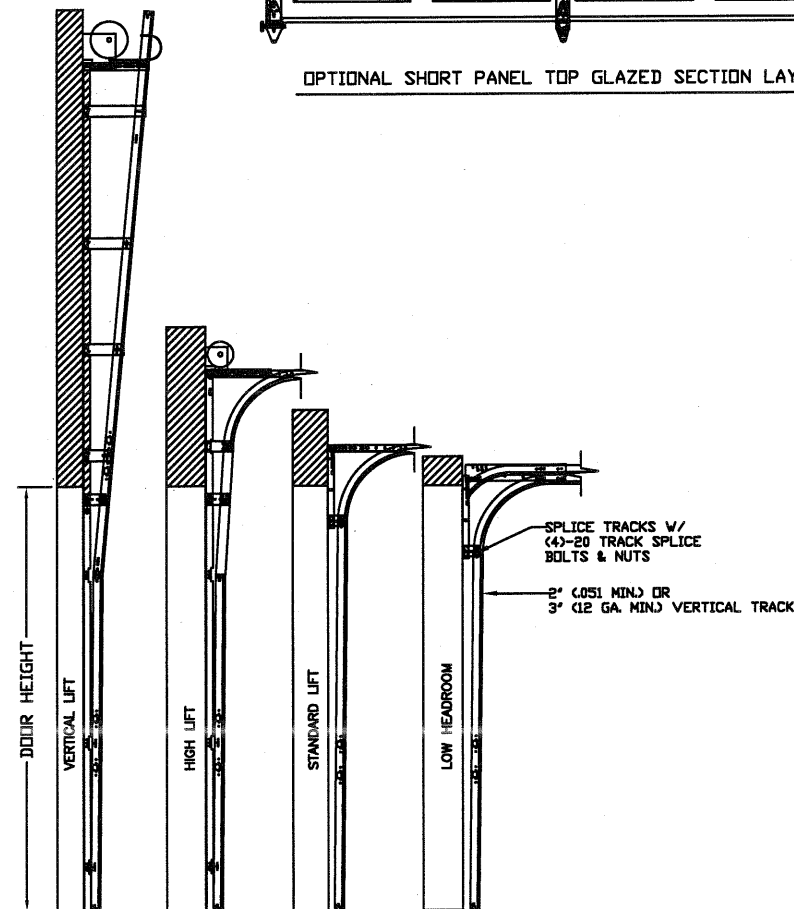
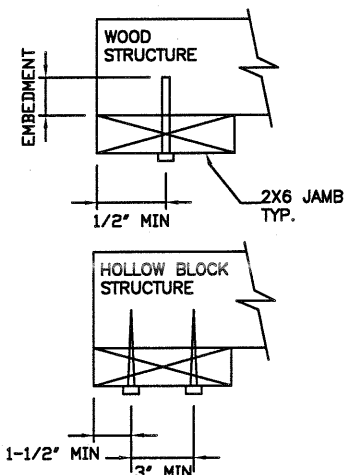
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/4" EMBEDMENT)

(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS		DATE	BY
MAX SIZE 9' x 14' DESIGN LOADS +26.7 PSF -31.6 PSF TEST LOADS +40.1 PSF -47.4 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		
MODEL #625 AMARR LINCOLN 1000, 1500, 2000 MODEL #675 AMARR HILLCREST 1000, 1500, 2000				
SIZE	DRAWN BY	RLR	DATE	10/22/15
B	CHECKED BY	RLR	DATE	10/22/15
ENTREMATIC 165 CARRIAGE COURT, WINSTON-SALEM, N.C. 27105				DRAWING NUMBER IRC-6209-130-15
SHEET 2 OF 3				

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)												TOP
	A	B	C	D	E	F	G	H	I	J	K	L	T
6' 6"	6 3/4"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"							76 1/2"
7'	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"							82 1/2"
7' 6"	6 3/4"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	69 1/4"	76 1/2"					88 1/2"
8'	6 3/4"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"					94 1/2"
8' 6"	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"					100 1/2"
9'	6 3/4"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	69 1/4"	76 1/2"	87 1/4"				106 1/2"
9' 6"	6 3/4"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"				112 1/2"
10'	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"	96 1/4"				118 1/2"
10' 6"	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"				124 1/2"
11'	6 3/4"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"		130 1/2"
11' 6"	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"	96 1/4"	114 1/4"	121 1/2"		136 1/2"
12'	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	120 1/4"	127 1/2"		142 1/2"
12'6"	6 3/4"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"	126 1/4"	148 1/2"
13'	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"	126 1/4"	154 1/2"
13' 6"	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	120 1/4"	127 1/2"	138 1/4"	160 1/2"
14'	6 3/4"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	123 1/4"	130 1/2"	144 1/4"	166 1/2"

TABLE 2

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"				

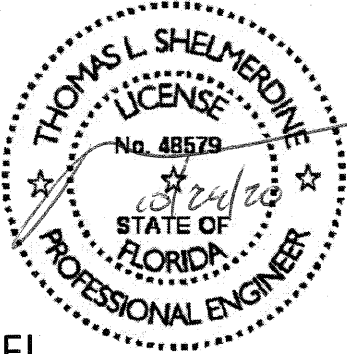
TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT							SPLICE
	A	B	C	D	E	F	G	S
6' 6"	10"	38"	58"					70"
7'	10"	38"	58"					76"
7' 6"	4"	28"	52"	76"				82"
8'	10"	34"	58"	82"				88"
8' 6"	4"	28"	52"	76"				94"
9'	10"	34"	58"	82"				100"
9' 6"	4"	28"	52"	76"	100"			106"
10'	10"	34"	58"	82"	106"			112"
10' 6"	4"	28"	52"	76"	100"			118"
11'	10"	34"	58"	82"	106"			124"
11' 6"	4"	28"	52"	76"	100"	124"		130"
12'	10"	34"	58"	82"	106"	130"		136"
12' 6"	4"	28"	52"	76"	100"	124"		142"
13'	10"	34"	58"	82"	106"	130"		148"
13' 6"	4"	28"	52"	76"	100"	124"	148"	154"
14'	10"	34"	58"	82"	106"	130"	154"	160"

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

TABLE 4

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8' 0	Short, Hillcrest	48.000	30.0	35.5
8' 0	Long	48.000	30.0	35.5
8' 2	Short, Hillcrest	49.000	29.4	34.8
8' 2	Long	49.000	29.4	34.8
8' 4	Short, Hillcrest	50.000	28.8	34.1
8' 4	Long	50.000	28.8	34.1
8' 6	Short, Hillcrest	51.000	28.2	33.4
8' 6	Long	51.000	28.2	33.4
8' 8	Short, Hillcrest	52.000	27.7	32.8
8' 8	Long	52.000	27.7	32.8
8' 10	Short, Hillcrest	53.000	27.2	32.1
8' 10	Long	53.000	27.2	32.1
9' 0	Short, Hillcrest	54.000	26.7	31.6
9' 0	Long	54.000	26.7	31.6

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9' x 14' DESIGN LOADS +26.7 PSF -31.6 PSF TEST LOADS +40.1 PSF -47.4 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	
			
MODEL #625 AMARR LINCOLN 1000, 1500, 2000 MODEL #675 AMARR HILLCREST 1000, 1500, 2000			
SIZE	DRAWN BY	RUR	DATE 10/22/15
B	CHECKED BY	RUR	DATE 10/22/15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-6209-130-15 SHEET 3 OF 3