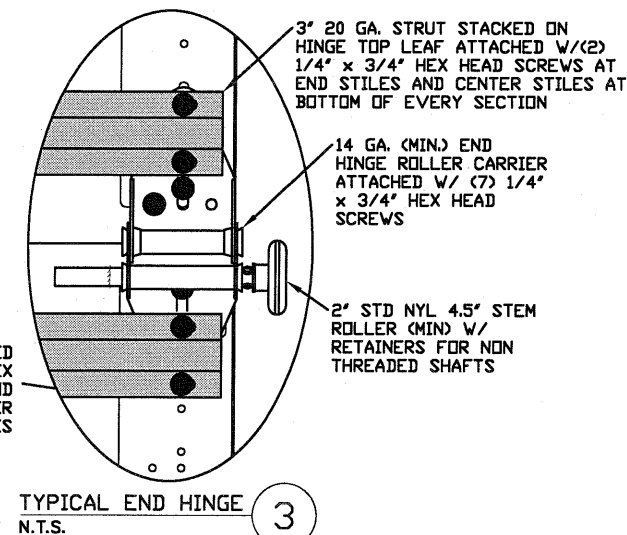
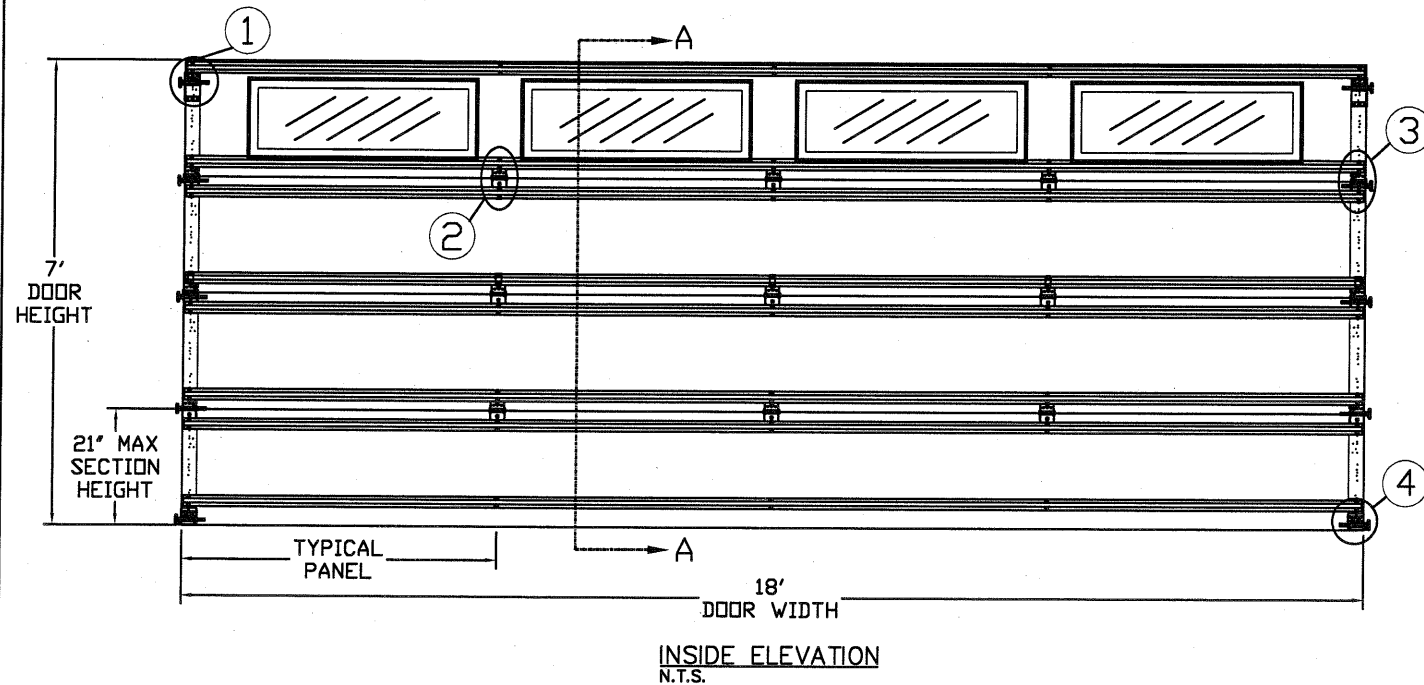
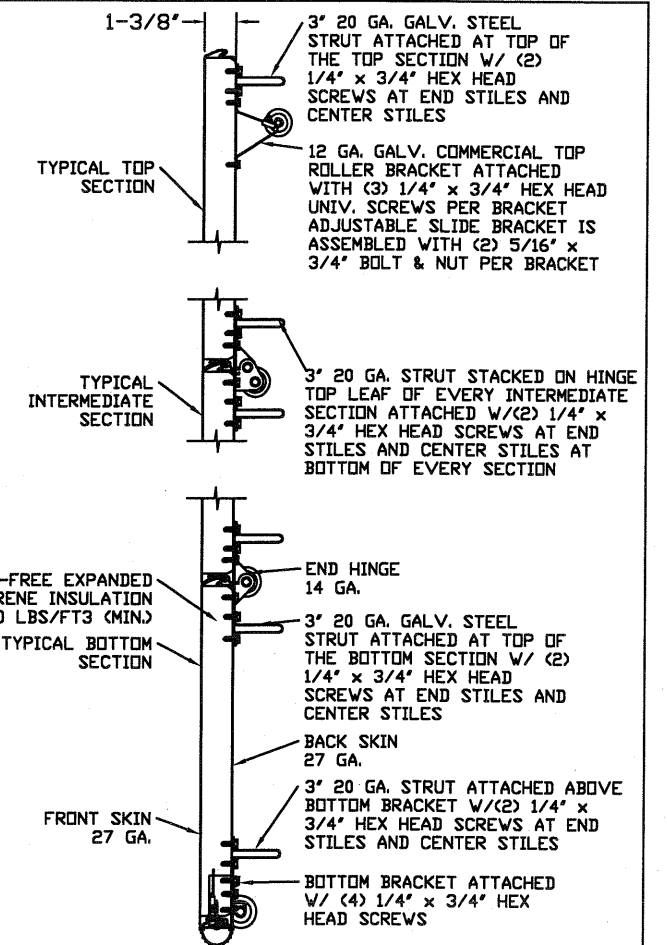
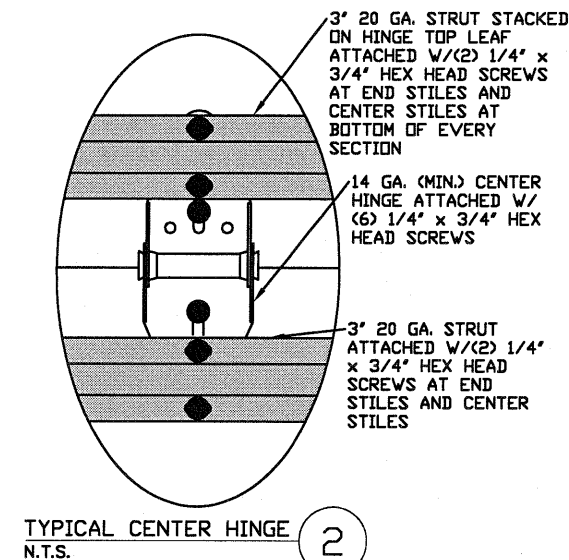
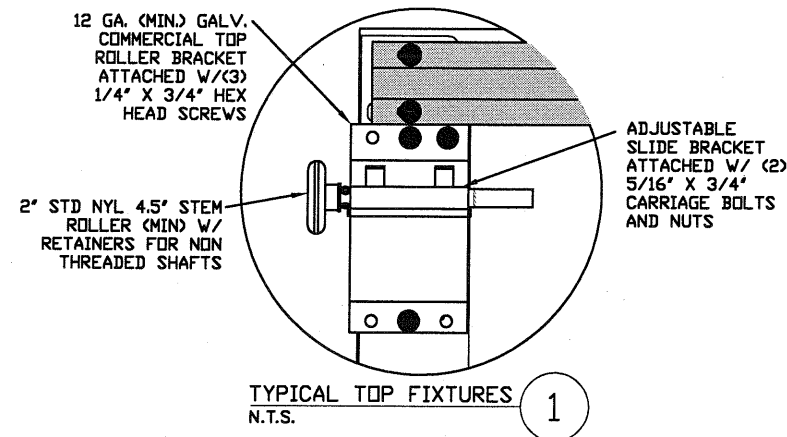
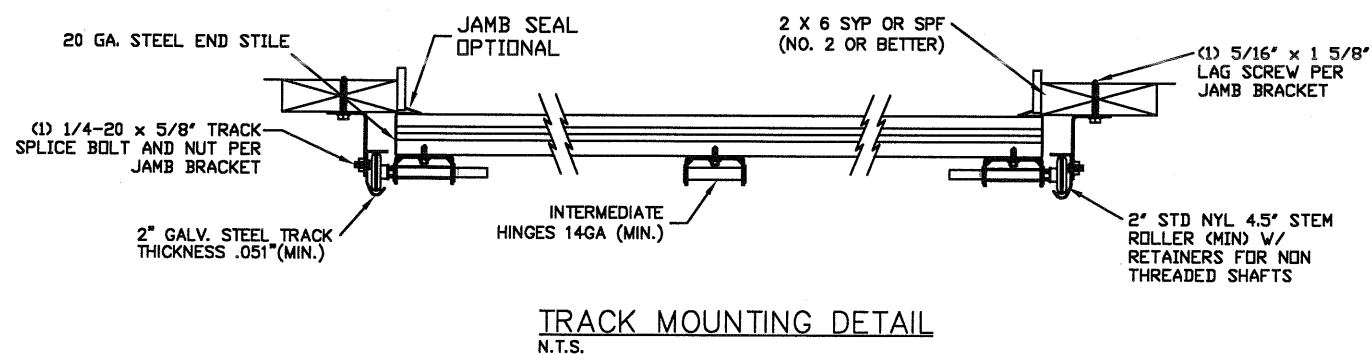
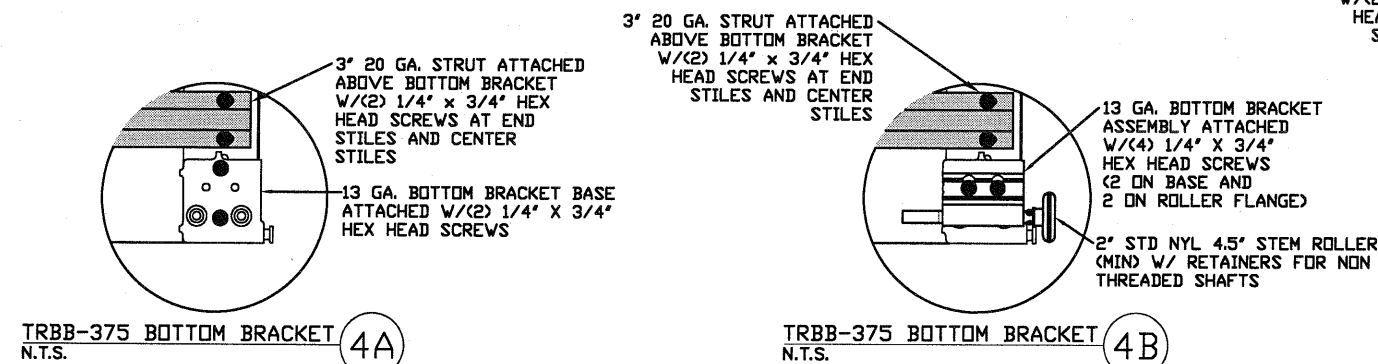




SECTION A-A (SIDE VIEW)
N.T.S.



NOTE: FOR STRUT SCHEDULE SEE
TABLE 4 ON PAGE 3

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 AND ASTM E330. 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)	142	129	123	117	112
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+18.2 PSF
-20.6 PSF

TEST LOADS
+27.3 PSF
-30.9 PSF

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

Thomas L. Shelderdine, 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

Amarr

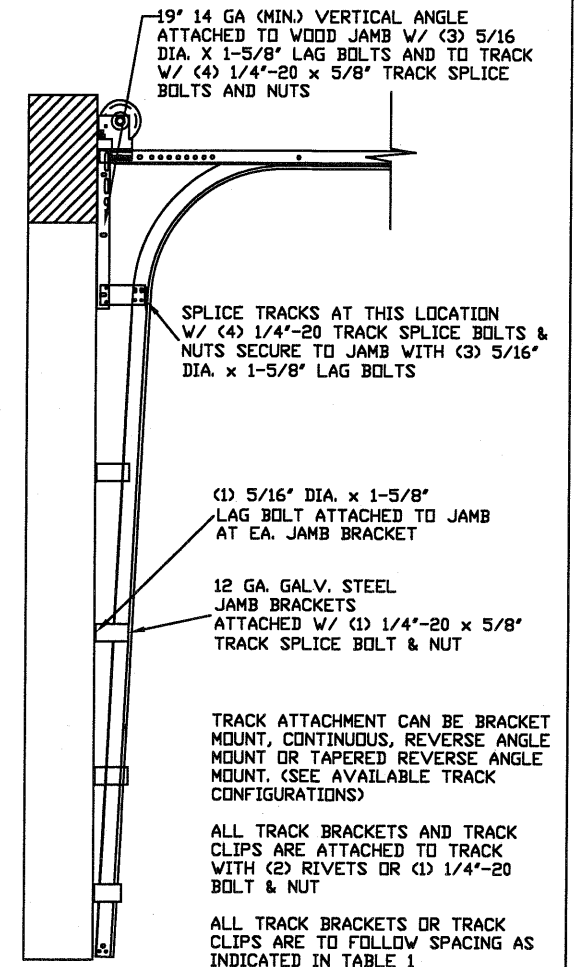
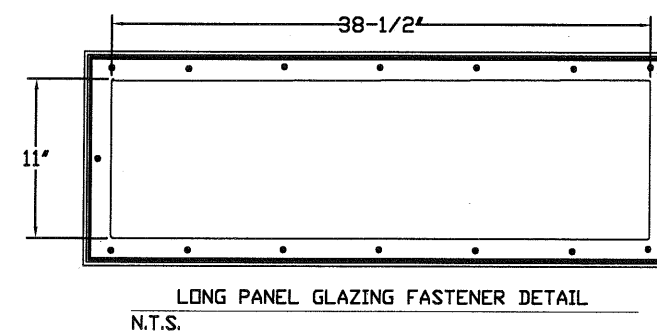
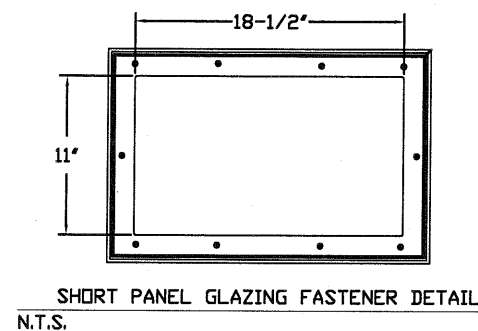
MODEL #3100 AMARR LINCOLN 3138
MODEL #3150 AMARR HILLCREST 3138
MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000

SIZE	DRAWN BY	DRD	DATE	1/23/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	03/12/19	IRC-3118-110-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 3

STRUT SPACERS MAY BE USED ON GLAZED SECTIONS



GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



- ## WOOD JAMB ATTACHMENT TO STRUCTURE

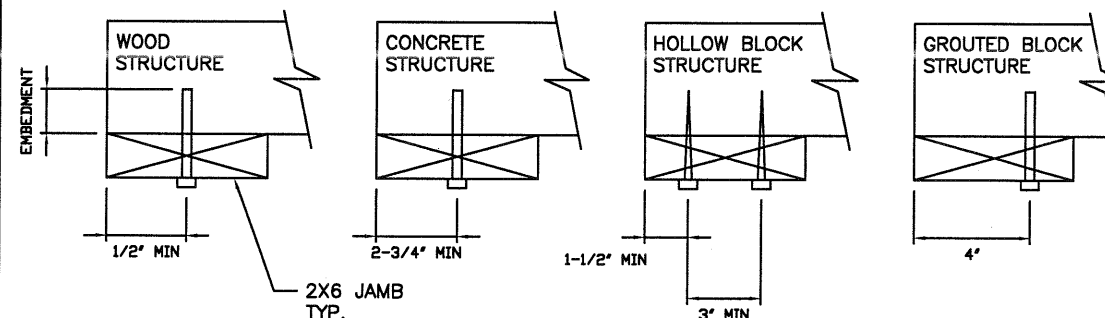
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 16" 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 16" O.C. (1 1/4" EMBEDMENT)

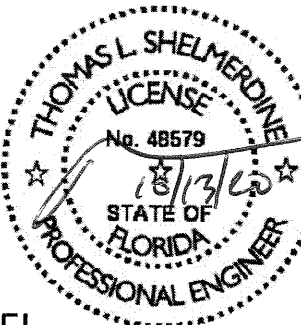
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +18.2 PSF -20.6 PSF TEST LOADS +27.3 PSF -30.9 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 #3100	AMARR LINCOLN 3138
MODEL #3150	AMARR HILLCREST 3138
MODEL #1600	AMARR LINCOLN 3000
MODEL #1650	AMARR HILLCREST 3000

SIZE B	DRAWN BY DRD	DATE 1/23/19	DRAWING NUMBER IRC-3118-110-15
	CHECKED BY DLJ	DATE 3/12/18	

ENTREMATICS

165 CARRIAGE COURT WINSTON-SALEM, NC 27105

SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT								SPICE
	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 2

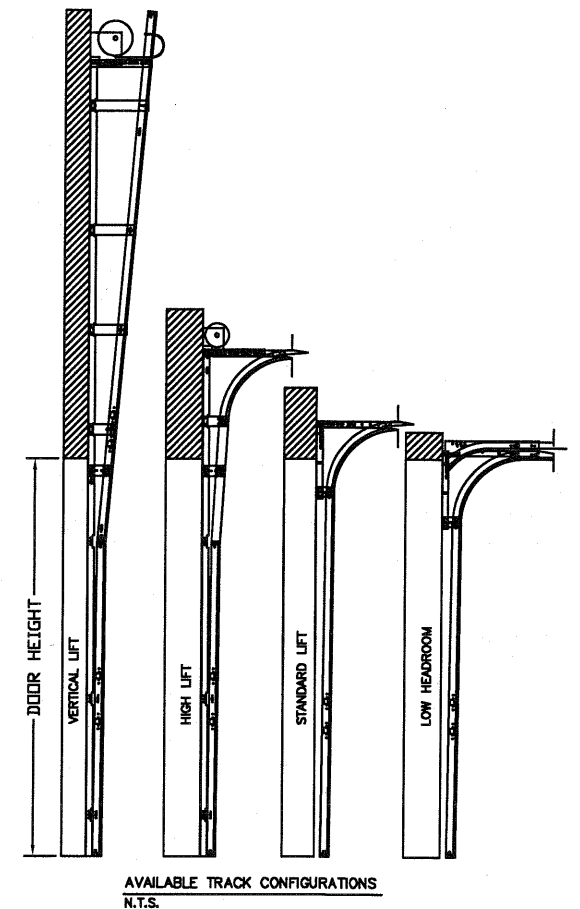
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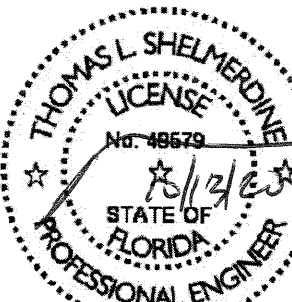
TABLE 4

SECTION	STRUT SIZE
8TH	3"
	3"
7TH	3"
	3"
6TH	3"
	3"
5TH	3"
	3"
4TH	3"
	3"
3RD	3"
	3"
2ND	3"
	3"
BOTTOM	3"
	3"

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
Width (ft)		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	50.27	97.00	143.73	20.2	22.8
16' 2	Long	51.17	97.00	142.83	20.2	22.8
16' 2	Hillcrest	48.75	97.00	145.25	20.2	22.8
16' 4	Short	51.27	98.00	144.73	20.0	22.6
16' 4	Long	52.17	98.00	143.83	20.0	22.6
16' 4	Hillcrest	49.08	98.00	146.92	20.0	22.6
16' 6	Short	52.27	99.00	145.73	19.8	22.4
16' 6	Long	51.34	99.00	146.66	19.8	22.4
16' 6	Hillcrest	49.42	99.00	148.59	19.8	22.4
16' 8	Short	51.34	100.00	148.66	19.6	22.1
16' 8	Long	52.20	100.00	147.80	19.6	22.1
16' 8	Hillcrest	49.92	100.00	150.09	19.6	22.1
16' 10	Short	51.50	101.00	150.50	19.4	21.9
16' 10	Long	53.20	101.00	148.80	19.4	21.9
16' 10	Hillcrest	50.15	101.00	151.59	19.4	21.9
17' 0	Short	53.34	102.00	150.66	19.2	21.7
17' 0	Long	54.20	102.00	149.80	19.2	21.7
17' 0	Hillcrest	50.92	102.00	153.09	19.2	21.7
17' 2	Short	53.00	103.00	153.00	19.0	21.5
17' 2	Long	55.20	103.00	150.80	19.0	21.5
17' 2	Hillcrest	51.42	103.00	154.59	19.0	21.5
17' 4	Short	54.00	104.00	154.00	18.8	21.3
17' 4	Long	56.20	104.00	151.80	18.8	21.3
17' 4	Hillcrest	51.92	104.00	156.09	18.8	21.3
17' 6	Short	55.00	105.00	155.00	18.6	21.1
17' 6	Long	57.20	105.00	152.80	18.6	21.1
17' 6	Hillcrest	52.42	105.00	157.59	18.6	21.1
17' 8	Short	54.80	106.00	157.20	18.5	20.9
17' 8	Long	55.80	106.00	156.20	18.5	20.9
17' 8	Hillcrest	52.92	106.00	159.09	18.5	20.9
17' 10	Short	55.80	107.00	158.20	18.3	20.7
17' 10	Long	56.25	107.00	157.75	18.3	20.7
17' 10	Hillcrest	53.42	107.00	160.59	18.3	20.7
18' 0	Short	57.25	108.00	158.75	18.2	20.6
18' 0	Long	57.80	108.00	158.20	18.2	20.6
18' 0	Hillcrest	53.92	108.00	162.09	18.2	20.6



REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +18.2 PSF -20.6 PSF TEST LOADS +27.3 PSF -30.9 PSF		Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL #3100 AMARR LINCOLN 3138 MODEL #3150 AMARR HILLCREST 3138 MODEL #1600 AMARR LINCOLN 3000 MODEL #1650 AMARR HILLCREST 3000			
SIZE	DRAWN BY	DRO	DATE 1/23/19
B	CHECKED BY	DLJ	DATE 03/12/19
DRAWING NUMBER			IRC-3118-110-15
ENTREPRENEUR			SHEET 3 OF 3
165 CARRIAGE COURT WINSTON-SALEM, NC 27105			