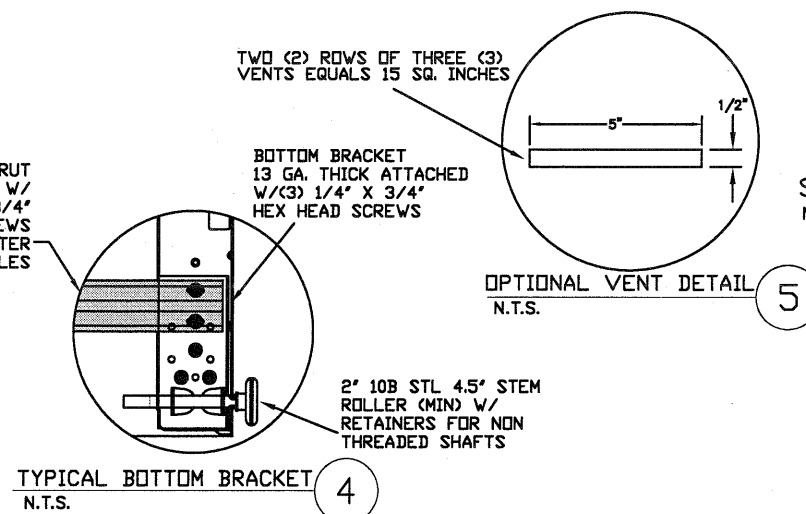
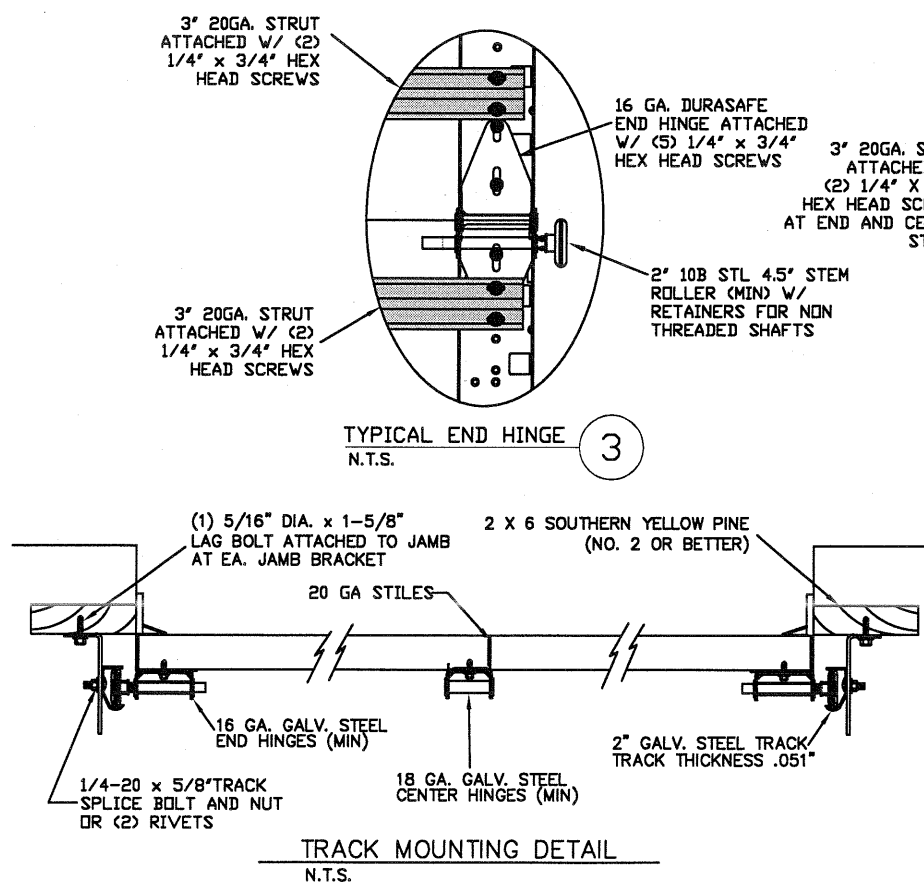
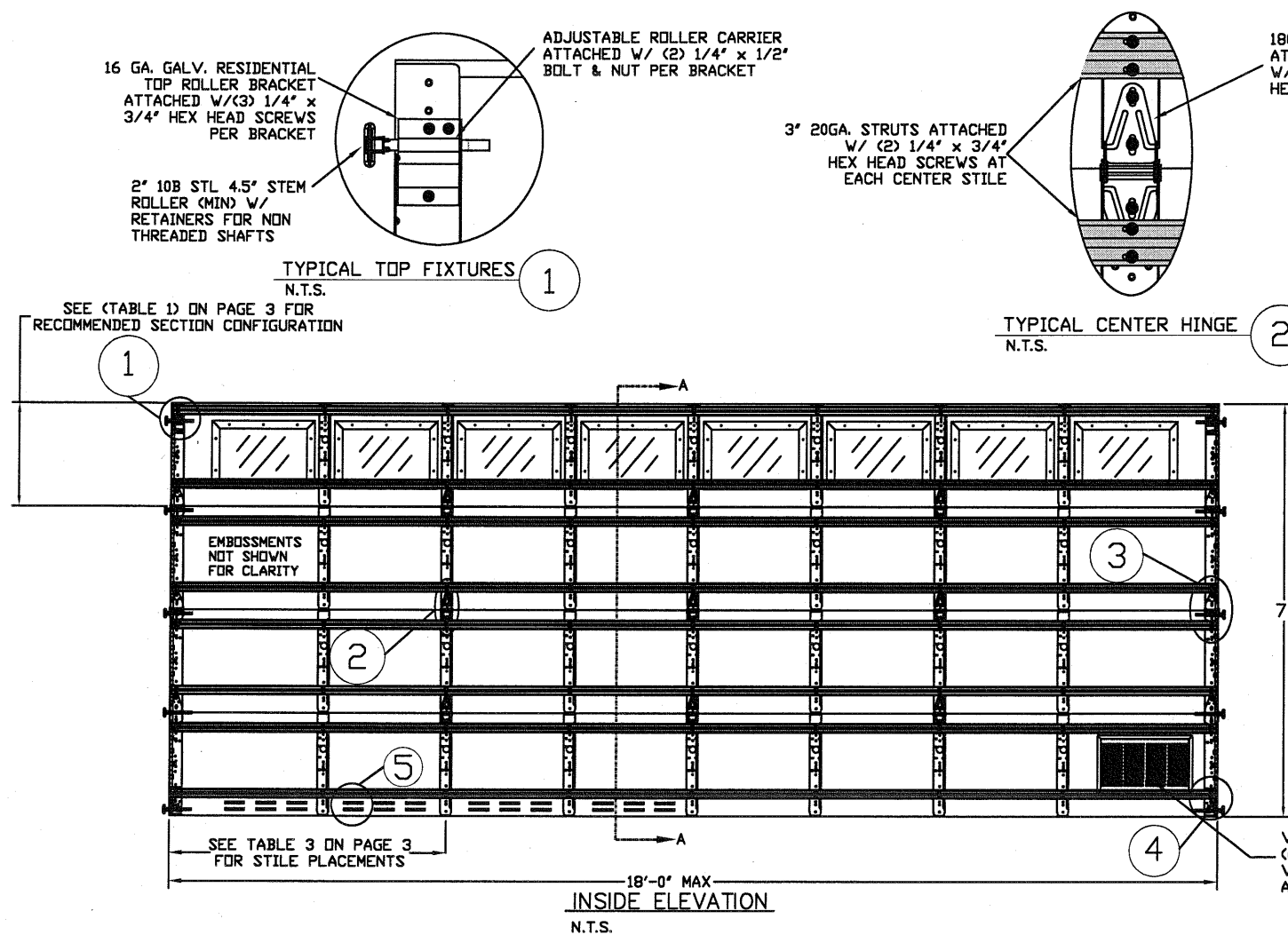


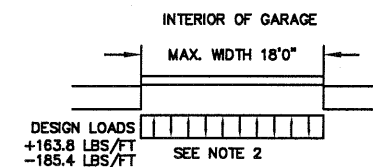


NOTE: FOR STRUT SCHEDULE SEE TABLE 4 ON PAGE 3

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

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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +163.8 LBS/FT & -185.4 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14'

DESIGN LOADS +18.2 PSF -20.6 PSF

TEST LOADS (1.5 x DESIGN LOADS) +27.3 PSF -30.9 PSF

Thomas L. Shelmerdine, PE (FL #00048579) 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

Amarr

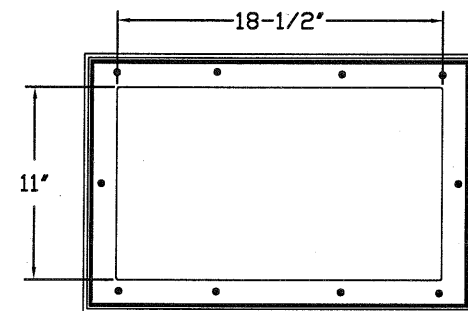
MODEL #625 AMARR LINCOLN 1000, 1500, 2000
MODEL #675 AMARR HILLCREST 1000, 1500, 2000

SIZE B	DRAWN BY DRC	DATE 05/20/19	DRAWING NUMBER IRC-6218-110-15
	CHECKED BY DLJ	DATE 5/22/19	

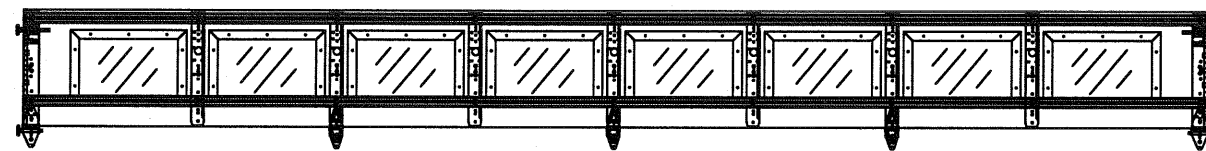
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 3

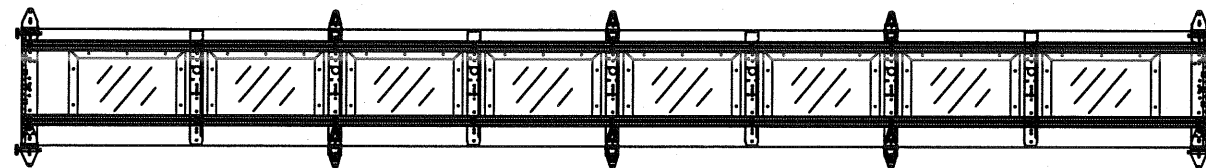
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUT)



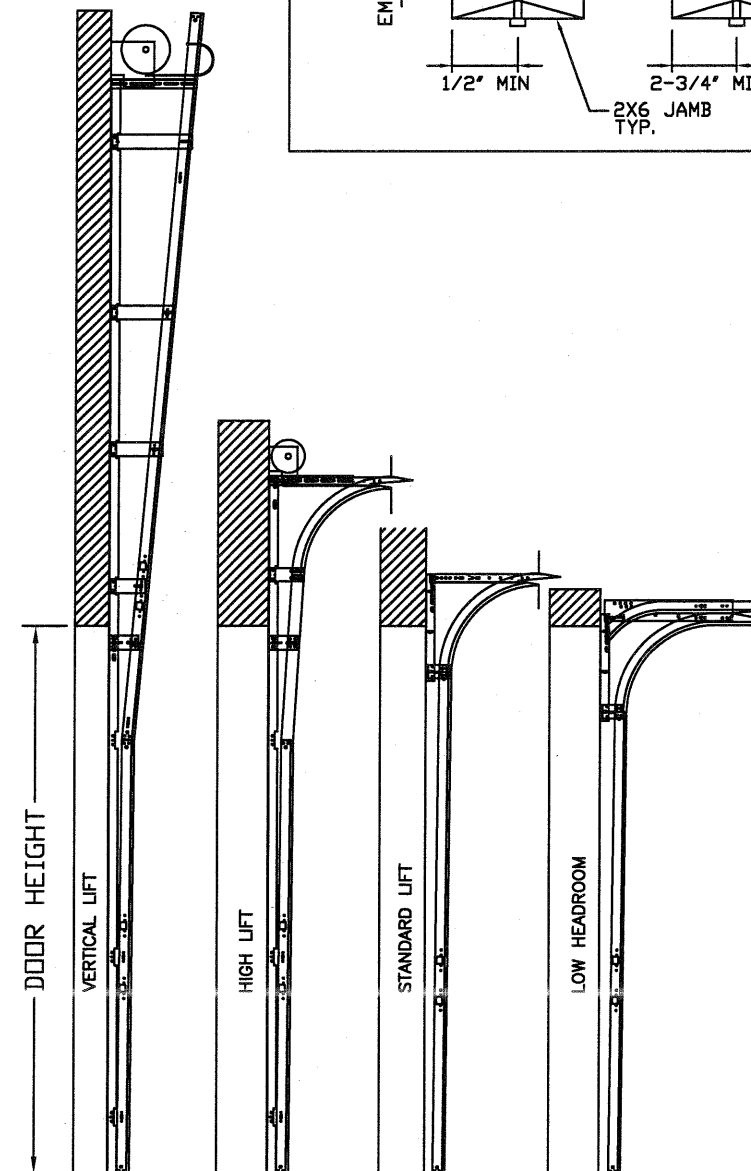
SHORT PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)

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)

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

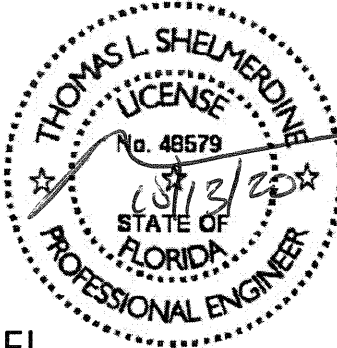
- WOOD STRUCTURE:** Embedment depth is 1 1/2" MIN.
- CONCRETE STRUCTURE:** Embedment depth is 2-3/4" MIN.
- HOLLOW BLOCK STRUCTURE:** Embedment depth is 1-1/2" MIN. The jamb width is 3" MIN.
- GROUTED BLOCK STRUCTURE:** Embedment depth is 4".

Common dimension: 2x6 JAMB (typical).



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +18.2 PSF -20.6 PSF TEST LOADS (1.5 x DESIGN 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
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MODEL #625 AMARR LINCOLN 1000, 1500, 2000 MODEL #675 AMARR HILLCREST 1000, 1500, 2000			
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SIZE	DRAWN BY	DRC	DATE	05/20/19	DRAWING NUMBER IRC-6218-110-15
B	CHECKED BY	DLJ	DATE	5/22/19	

ENTREMATICA 165 CARRIAGE COURT WINSTON-SALEM, N.C. 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	S
6' 6"	10"	21"	38"	58"					70"
7'	10"	21"	38"	58"					76"
7' 6"	10"	21"	38"	58"	78"				82"
8'	10"	21"	38"	58"	78"				88"
8' 6"	10"	21"	38"	58"	78"				94"
9'	10"	21"	38"	58"	78"				100"
9' 6"	10"	21"	38"	58"	78"	98"			106"
10'	10"	21"	38"	58"	78"	98"			112"
10' 6"	10"	21"	38"	58"	78"	98"			118"
11'	10"	21"	38"	58"	78"	98"	118"		124"
11' 6"	10"	21"	38"	58"	78"	98"	118"		130"
12'	10"	21"	38"	58"	78"	98"	118"		136"
12' 6"	10"	21"	38"	58"	78"	98"	118"		142"
13'	10"	21"	38"	58"	78"	98"	118"	138"	148"
13' 6"	10"	21"	38"	58"	78"	98"	118"	138"	154"
14'	10"	21"	38"	58"	78"	98"	118"	138"	160"

ALL TRACK ATTACHMENT SPACING +/- 2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
Width (ft)		1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	26.91	50.27	73.64	97.00	120.36	143.73	167.09	20.2	22.8
16' 2	Long	28.25	51.17	74.08	97.00	119.92	142.83	165.75	20.2	22.8
16' 2	Hillcrest	18.22	48.75	72.88	97.00	121.13	145.25	175.78	20.2	22.8
16' 4	Short	27.91	51.27	74.64	98.00	121.36	144.73	168.09	20.0	22.6
16' 4	Long	29.25	52.17	75.08	98.00	120.92	143.83	166.75	20.0	22.6
16' 4	Hillcrest	18.65	49.08	73.54	98.00	122.46	146.92	177.35	20.0	22.6
16' 6	Short	28.91	52.27	75.64	99.00	122.36	145.73	169.09	19.8	22.4
16' 6	Long	27.51	51.34	75.17	99.00	122.83	146.66	170.49	19.8	22.4
16' 6	Hillcrest	19.09	49.42	74.21	99.00	123.79	148.59	178.91	19.8	22.4
16' 8	Short	27.01	51.34	75.67	100.00	124.33	148.66	172.99	19.6	22.1
16' 8	Long	28.30	52.20	76.10	100.00	123.90	147.80	171.70	19.6	22.1
16' 8	Hillcrest	19.69	49.92	74.96	100.00	125.04	150.09	180.31	19.6	22.1
16' 10	Short	26.75	51.50	76.25	101.00	125.75	150.50	175.25	19.4	21.9
16' 10	Long	29.30	53.20	77.10	101.00	124.90	148.80	172.70	19.4	21.9
16' 10	Hillcrest	20.01	50.15	75.57	101.00	126.29	151.59	181.72	19.4	21.9
17' 0	Short	29.01	53.34	77.67	102.00	126.33	150.66	174.99	19.2	21.7
17' 0	Long	30.30	54.20	78.10	102.00	125.90	149.80	173.70	19.2	21.7
17' 0	Hillcrest	20.88	50.92	76.46	102.00	127.54	153.09	183.12	19.2	21.7
17' 2	Short	28.00	53.00	78.00	103.00	128.00	153.00	178.00	19.0	21.5
17' 2	Long	31.30	55.20	79.10	103.00	126.90	150.80	174.70	19.0	21.5
17' 2	Hillcrest	21.47	51.42	77.21	103.00	128.79	154.59	184.53	19.0	21.5
17' 4	Short	29.00	54.00	79.00	104.00	129.00	154.00	179.00	18.8	21.3
17' 4	Long	32.30	56.20	80.10	104.00	127.90	151.80	175.70	18.8	21.3
17' 4	Hillcrest	22.06	51.92	77.96	104.00	130.04	156.09	185.94	18.8	21.3
17' 6	Short	30.00	55.00	80.00	105.00	130.00	155.00	180.00	18.6	21.1
17' 6	Long	33.30	57.20	81.10	105.00	128.90	152.80	176.70	18.6	21.1
17' 6	Hillcrest	22.65	52.42	78.71	105.00	131.29	157.59	187.35	18.6	21.1
17' 8	Short	29.20	54.80	80.40	106.00	131.60	157.20	182.80	18.5	20.9
17' 8	Long	30.70	55.80	80.90	106.00	131.10	156.20	181.30	18.5	20.9
17' 8	Hillcrest	23.24	52.92	79.46	106.00	132.54	159.09	188.76	18.5	20.9
17' 10	Short	30.20	55.80	81.40	107.00	132.60	158.20	183.80	18.3	20.7
17' 10	Long	30.88	56.25	81.63	107.00	132.38	157.75	183.13	18.3	20.7
17' 10	Hillcrest	23.83	53.42	80.21	107.00	133.79	160.59	190.18	18.3	20.7
18' 0	Short	31.88	57.25	82.63	108.00	133.38	158.75	184.13	18.2	20.6
18' 0	Long	32.70	57.80	82.90	108.00	133.10	158.20	183.30	18.2	20.6
18' 0	Hillcrest	24.37	53.92	80.96	108.00	135.04	162.09	191.64	18.2	20.6
^ Stiles are not hinged.										
^ May use universal stiles in place of standard stiles										

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"

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +18.2 PSF -20.6 PSF TEST LOADS (1.5 x DESIGN LOADS) +27.3 PSF -30.9 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL Thomas L. Shelmerdine LICENSE No. 48579 12/13/20 STATE OF FLORIDA PROFESSIONAL ENGINEER dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
<i>Amarr</i>			
MODEL #625 AMARR LINCOLN 1000, 1500, 2000 MODEL #675 AMARR HILLCREST 1000, 1500, 2000			
SIZE	DRAWN BY	DRC	DATE 05/20/19
B	CHECKED BY	DLJ	DATE 5/22/19
DRAWING NUMBER IRC-6218-110-15			SHEET 3 OF 3
ENTRETECH 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			