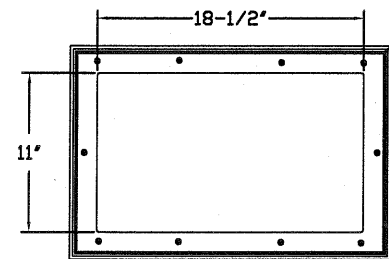
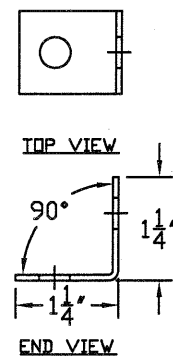


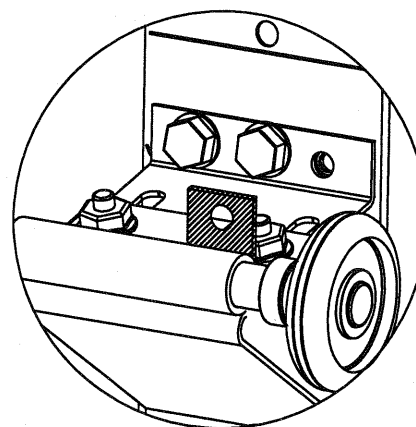
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



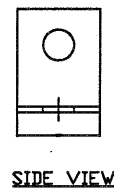
SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



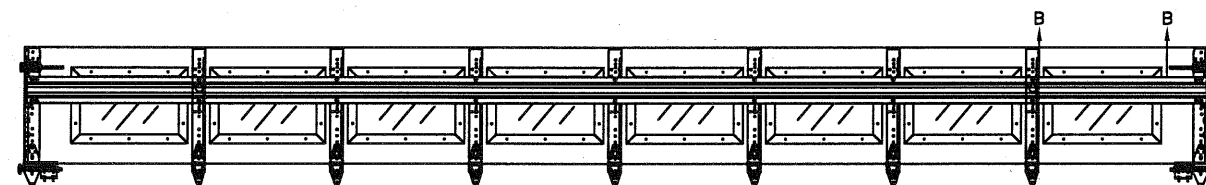
TOP FIXTURE ADDER PIECE



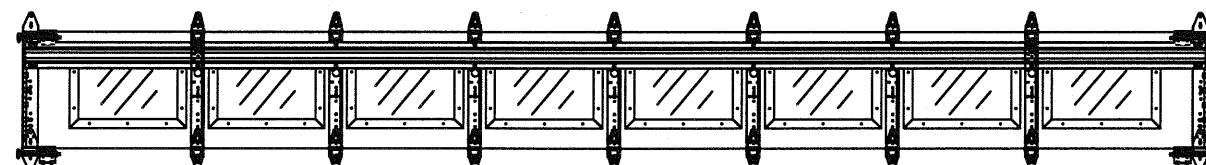
ISOMETRIC VIEW



SIDE VIEW



OPTIONAL SHORT PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUT)



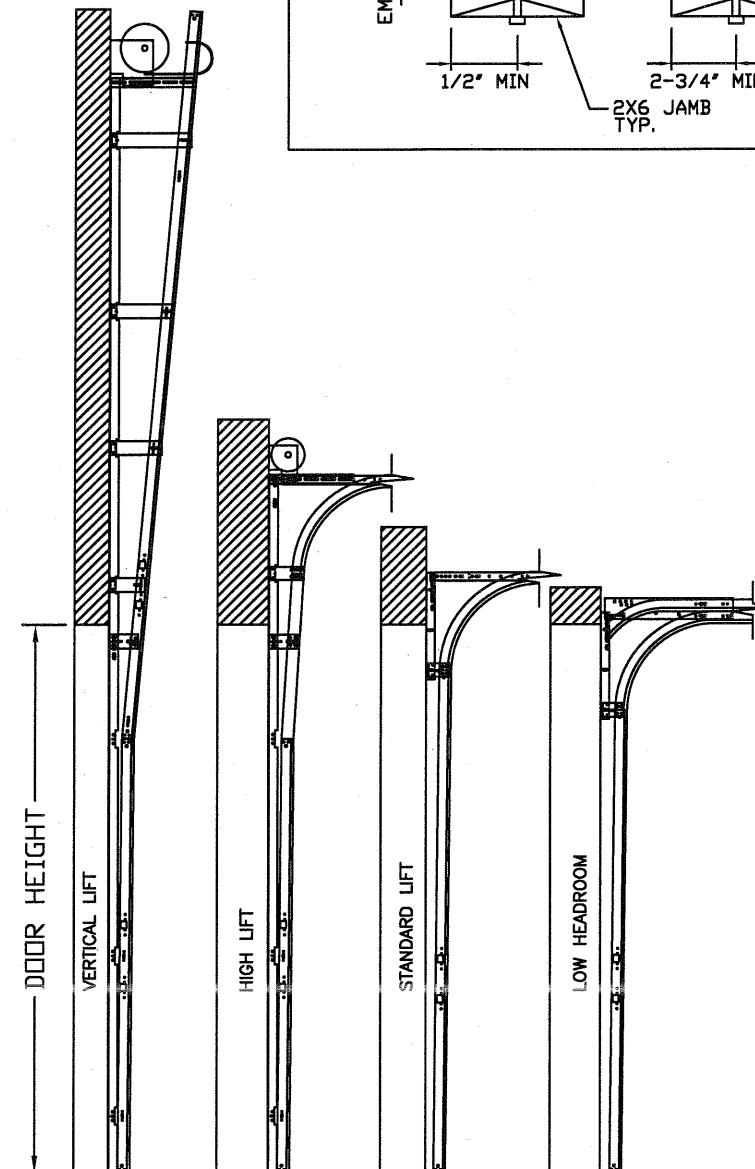
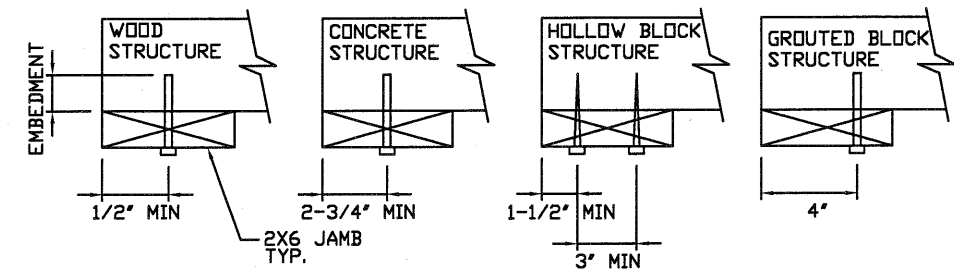
OPTIONAL SHORT PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)

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 16" 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 14" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSEY 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)

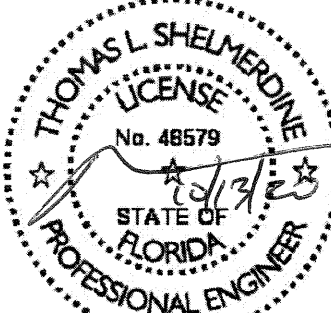
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 18" O.C. (1 1/4"
EMBEDMENT) OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +31.6 PSF -35.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +47.4 PSF -53.6 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 Thomas L. Shelmerdine, PE 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			
SIZE	DRAWN BY	DRC	DATE 03/15/19
B	CHECKED BY	DLJ	DATE 5/21/19
			DRAWING NUMBER IRC-6218-145-26
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

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

HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
6' 0"	10"	18"	36"	54"					64"
6' 6"	10"	21"	38"	58"					70"
7' 0"	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8' 0"	10"	21"	39"	58"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9' 0"	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10' 0"	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11' 0"	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12' 0"	10"	21"	42"	63"	84"	105"	123"		136"
12' 6"	10"	18"	36"	57"	75"	93"	111"	129"	142"
13' 0"	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14' 0"	10"	21"	42"	63"	84"	105"	126"	147"	160"

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

TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
		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	35.2	39.7
16' 2	Long	28.25	51.17	74.08	97.00	119.92	142.83	165.75	35.2	39.7
16' 2	Hillcrest	24.63	48.75	72.88	97.00	121.13	145.25	169.38	35.2	39.7
16' 4	Short	27.91	51.27	74.64	98.00	121.36	144.73	168.09	34.8	39.3
16' 4	Long	29.25	52.17	75.08	98.00	120.92	143.83	166.75	34.7	39.2
16' 4	Hillcrest	24.63	49.08	73.54	98.00	122.46	146.92	171.38	34.8	39.3
16' 6	Short	28.91	52.27	75.64	99.00	122.36	145.73	169.09	34.5	38.9
16' 6	Long	27.51	51.34	75.17	99.00	122.83	146.66	170.49	34.5	38.9
16' 6	Hillcrest	24.63	49.42	74.21	99.00	123.79	148.59	173.38	34.5	38.9
16' 8	Short	27.01	51.34	75.67	100.00	124.33	148.66	172.99	34.1	38.6
16' 8	Long	28.30	52.20	76.10	100.00	123.90	147.80	171.70	34.1	38.6
16' 8	Hillcrest	24.88	49.92	74.96	100.00	125.04	150.09	175.13	34.1	38.6
16' 10	Short	26.75	51.50	76.25	101.00	125.75	150.50	175.25	33.8	38.2
16' 10	Long	29.30	53.20	77.10	101.00	124.90	148.80	172.70	33.8	38.2
16' 10	Hillcrest	24.86	50.15	75.57	101.00	126.29	151.59	176.88	33.8	38.2
17' 0	Short	29.01	53.34	77.67	102.00	126.33	150.66	174.99	33.5	37.8
17' 0	Long	30.30	54.20	78.10	102.00	125.90	149.80	173.70	33.4	37.7
17' 0	Hillcrest	25.38	50.92	76.46	102.00	127.54	153.09	178.63	33.5	37.8
17' 2	Short	28.00	53.00	78.00	103.00	128.00	153.00	178.00	33.1	37.4
17' 2	Long	31.30	55.20	79.10	103.00	126.90	150.80	174.70	32.8	37.0
17' 2	Hillcrest	25.63	51.42	77.21	103.00	128.79	154.59	180.38	33.1	37.4
17' 4	Short	29.00	54.00	79.00	104.00	129.00	154.00	179.00	32.8	37.1
17' 4	Long	32.30	56.20	80.10	104.00	127.90	151.80	175.70	32.2	36.4
17' 4	Hillcrest	25.88	51.92	77.96	104.00	130.04	156.09	182.13	32.8	37.1
17' 6	Short	30.00	55.00	80.00	105.00	130.00	155.00	180.00	32.5	36.7
17' 6	Long	33.30	57.20	81.10	105.00	128.90	152.80	176.70	31.8	35.9
17' 6	Hillcrest	26.13	52.42	78.71	105.00	131.29	157.59	183.88	32.5	36.7
17' 8	Short	29.20	54.80	80.40	106.00	131.60	157.20	182.80	32.2	36.4
17' 8	Long	30.70	55.80	80.90	106.00	131.10	156.20	181.30	32.2	36.4
17' 8	Hillcrest	26.38	52.92	79.46	106.00	132.54	159.09	185.63	32.2	36.4
17' 10	Short	30.20	55.80	81.40	107.00	132.60	158.20	183.80	31.9	36.0
17' 10	Long	30.88	56.25	81.63	107.00	132.38	157.75	183.13	31.9	36.0
17' 10	Hillcrest	26.63	53.42	80.21	107.00	133.79	160.59	187.38	31.9	36.0
18' 0	Short	31.88	57.25	82.63	108.00	133.38	158.75	184.13	31.6	35.7
18' 0	Long	32.70	57.80	82.90	108.00	133.10	158.20	183.30	31.4	35.5
18' 0	Hillcrest	26.88	53.92	80.96	108.00	135.04	162.09	189.13	31.6	35.7

TABLE 4

SECTION	STRUT SIZE
TOP	5.5"
7TH	5.5"
6TH	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"
	3"

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+31.6 PSF
-35.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+47.4 PSF
-53.6 PSF

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

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Structural Solutions, PA (FL Firm #29412)
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	DRAWN BY	DRC	DATE	03/15/19	DRAWING NUMBER IRC-6218-145-26
B	CHECKED BY	DLJ	DATE	5/21/19	
ENTREMATICA 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 3 OF 3