

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)	187	170	161	154	148
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

- 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: +284.4 LBS/FT & -321.3 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
  - DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR

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

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Thomas L. Shelmerdine, PE (TX PE #85829)  
Structural Solutions, PA (TX Firm #F-004063)  
5921-G W. Friendly Ave., Greensboro, NC 27410 TX

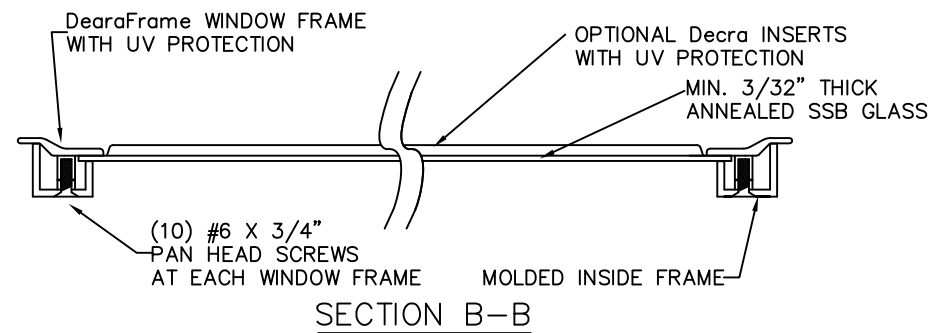
**MODEL #625 AMARR LINCOLN 1000, 2000**  
**MODEL #675 AMARR HILLCREST 1000, 2000**  
**MODEL #950 AMARR HERITAGE 1000, 2000**

SIZE	DRAWN BY	DRC	DATE	03/15/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	5/21/19	IRC-6218-145-26

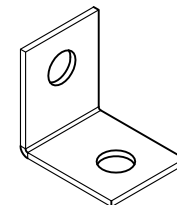
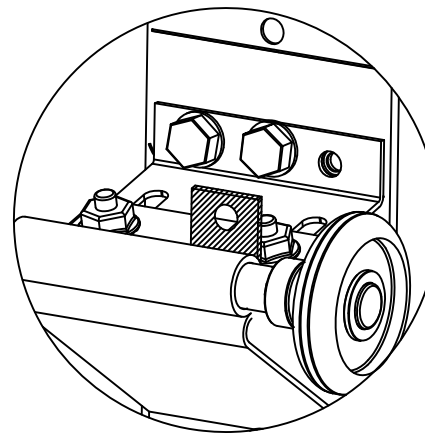
AMARR COMPANY  
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 1 OF 3

# GLAZING OPTION CROSS SECTION

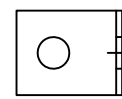
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION  
GLAZING MEETS ASTM E1300-04



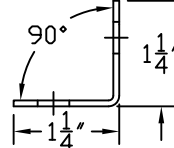
# TOP FIXTURE REINFORCEMENT ILLUSTRATION



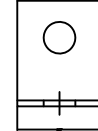
ISOMETRIC VIEW



TOP VIEW



END VIEW



SIDE VIEW

TOP FIXTURE ADDER PIECE

# WOOD JAMB ATTACHMENT TO STRUCTURE

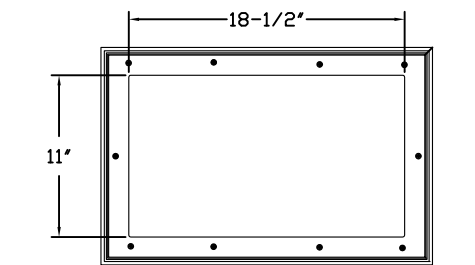
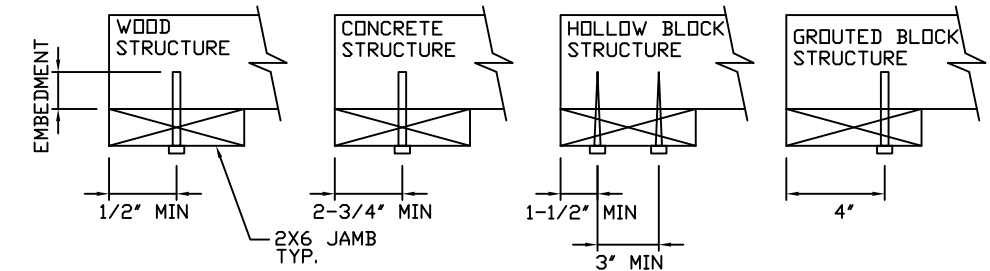
**2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE**  
5/16" X 3' LAG SCREWS STARTING 6" FROM ENDS THEN 16" O.C. (1 1/2" EMBEDMENT)

**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/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

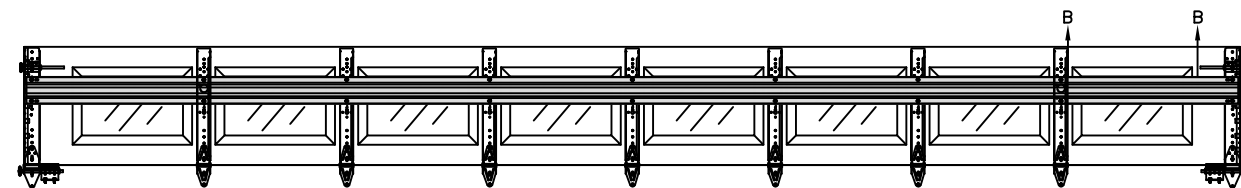
**2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK**  
SIMPSON 1/4" X 3' TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/2" EMBEDMENT)  
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/4" EMBEDMENT)

**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 18" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

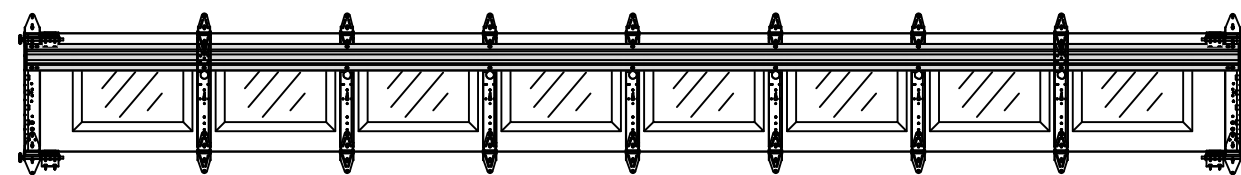
\*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.  
\*PREPARATION OF WOOD JAMBS BY OTHERS



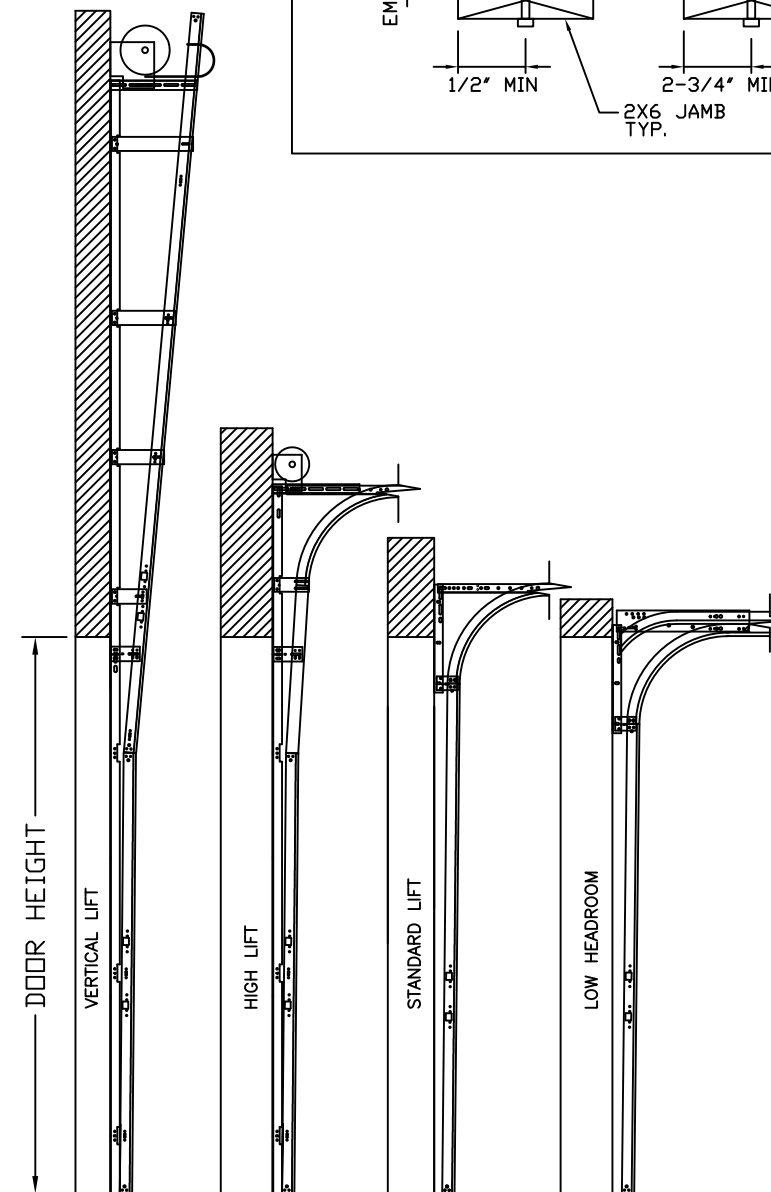
SHORT PANEL GLAZING FASTENER DETAIL  
N.T.S.



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



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



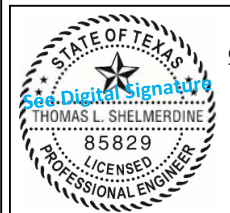
AVAILABLE TRACK CONFIGURATIONS  
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR

MAX SIZE  
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DESIGN LOADS  
+31.6 PSF  
-35.7 PSF

TEST LOADS  
(1.5 x DESIGN LOADS)  
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-53.6 PSF



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MODEL #625 AMARR LINCOLN 1000, 2000  
MODEL #675 AMARR HILLCREST 1000, 2000  
MODEL #950 AMARR HERITAGE 1000, 2000

SIZE	DRAWN BY	DRC	DATE	03/15/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	5/21/19	IRC-6218-145-26
AMARR COMPANY 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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	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"	Bead Board	26.88	53.92	80.96	108.00	135.04	162.09	189.13	31.6	35.7

TABLE 4

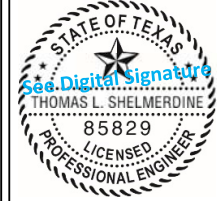
SECTION	STRUT SIZE
TOP	5.5"
7TH	5.5"
6TH	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"
	3"

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SHEET 3 OF 3