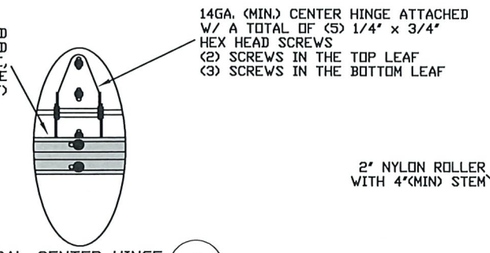
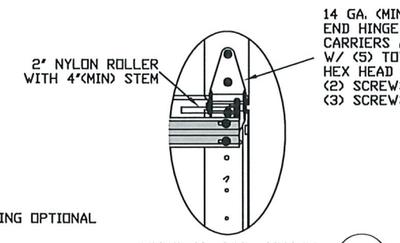


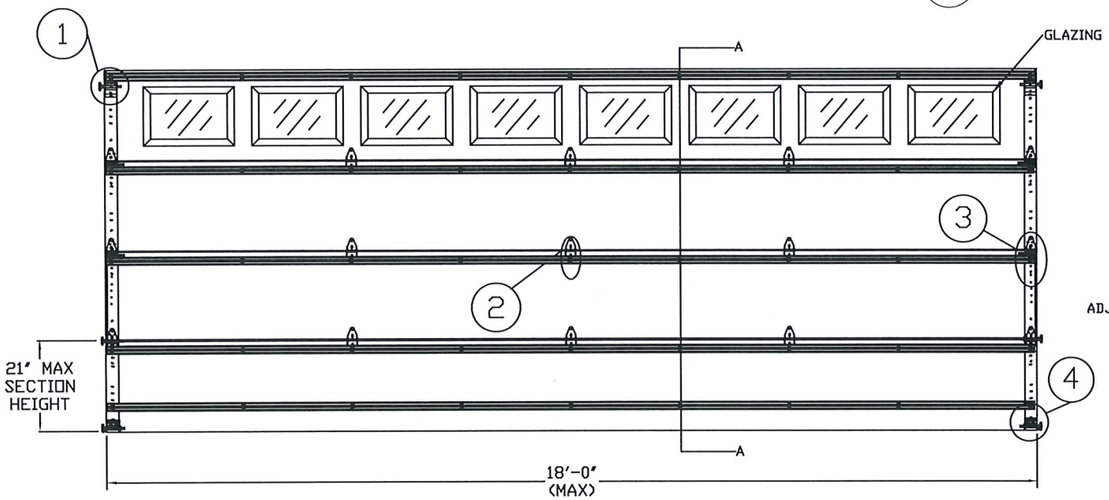
TYPICAL TOP FIXTURES 1
N.T.S.



TYPICAL CENTER HINGE 2
N.T.S.

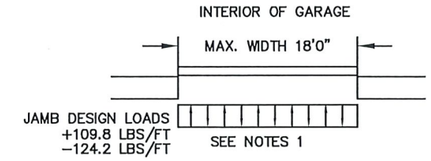


TYPICAL END HINGE 3
N.T.S.



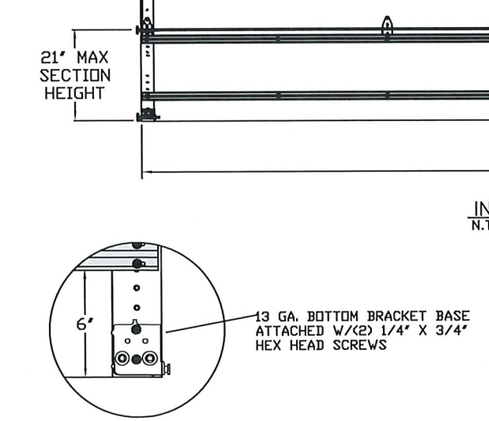
INSIDE ELEVATION
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-10 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):					
WIND SPEED (MPH)	116	106	100	96	92
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

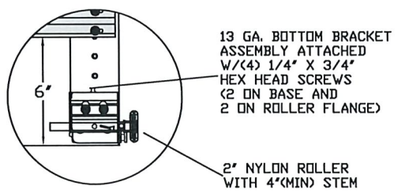


SPECIFICATIONS AND NOTES

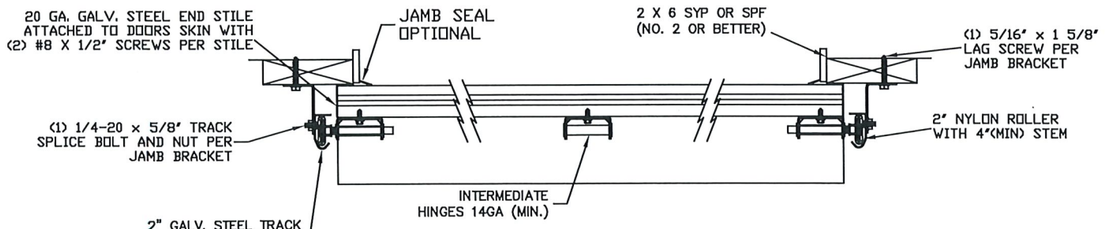
1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +109.8 LBS/FT & -124.2 LBS/FT
2. DOOR SECTIONS SHALL BE 27 GA. MIN. (.0151") ROLLED FORMED LIGHT COMMERCIAL QUALITY
3. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



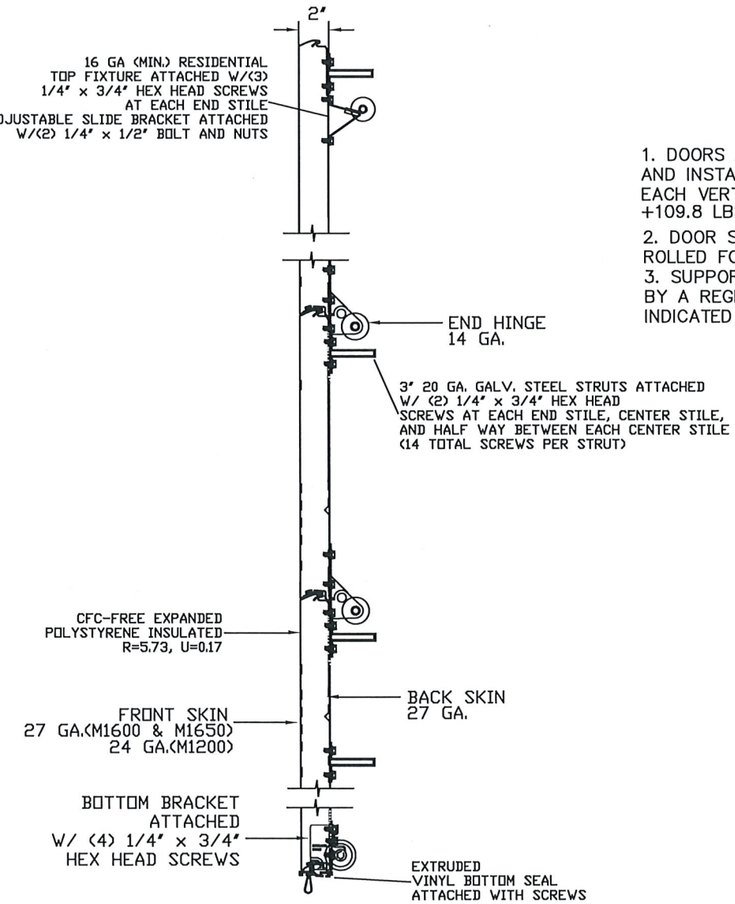
TRBB-375 BOTTOM BRACKET 4A
N.T.S.



TRBB-375 BOTTOM BRACKET 4B
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.



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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' WIDTH
14' HEIGHT

DESIGN LOADS
+12.2 PSF
-13.8 PSF

TEST LOADS
+18.3 PSF
-20.7 PSF

Thomas L Shelmerdine, PE (NC PE #14564)
Structural Solutions, PA (NC Firm #C-1096)

NORTH CAROLINA PROFESSIONAL SEAL 14564 ENGINEER THOMAS L. SHELMERDINE
9/1/22
NC

5921-G W. Friendly Ave., Greensboro, NC 27410

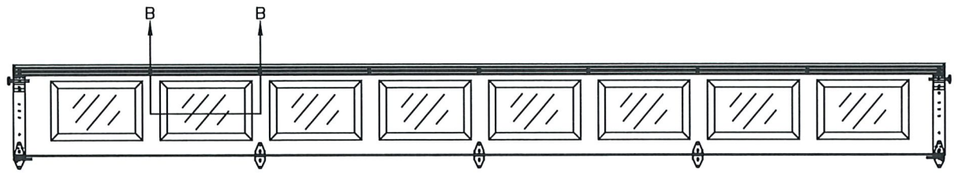
Amarr

MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000
MODEL #1200 AMARR HERITAGE 3000

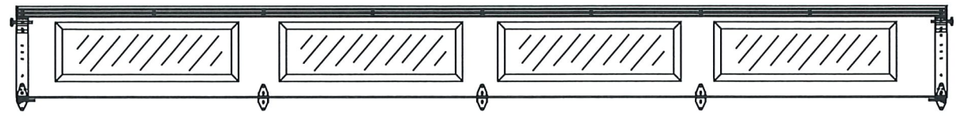
SIZE	DRAWN BY RLR	DATE 2/28/22	DRAWING NUMBER
B	CHECKED BY RLR	DATE 2/28/22	IRC-1618-090-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 3

OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

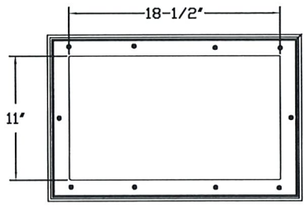
GLAZING MEETS ASTM E1300-04



TOP SECTION

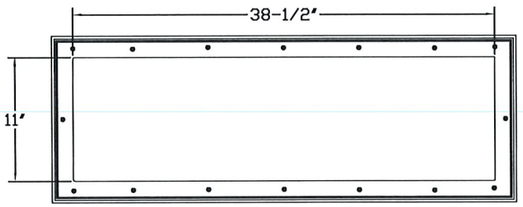


TOP SECTION



SHORT PANEL GLAZING FASTENER DETAIL

N.T.S.

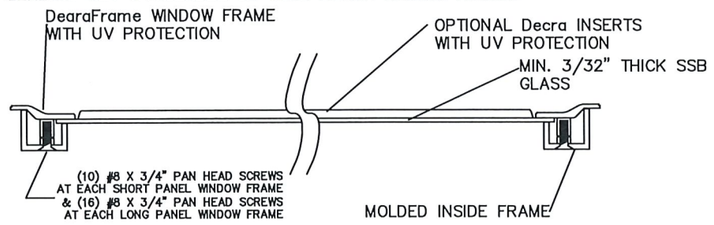


LONG PANEL GLAZING FASTENER DETAIL

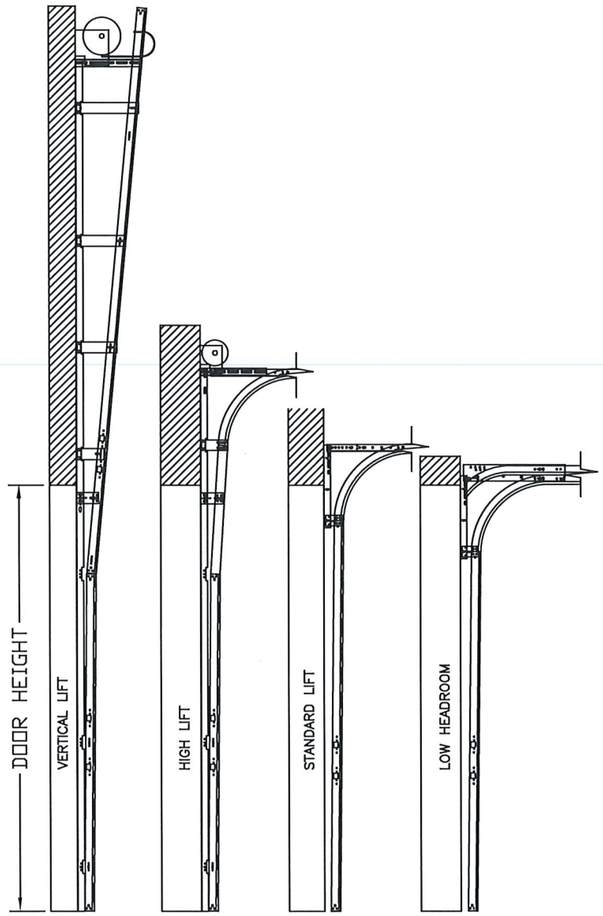
N.T.S.

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SECTION B-B



AVAILABLE TRACK CONFIGURATIONS

N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' WIDTH
14' HEIGHT

DESIGN LOADS
+12.2 PSF
-13.8 PSF

TEST LOADS
+18.3 PSF
-20.7 PSF

Thomas L. Shelmerdine, PE (NC PE #-14564)
Structural Solutions, PA (NC Firm #C-1096)

NORTH CAROLINA PROFESSIONAL SEAL 14564 ENGINEER THOMAS L. SHELMERDINE
3/9/22
NC

5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000
MODEL #1200 AMARR HERITAGE 3000

SIZE	DRAWN BY RLR	DATE 2/28/22	DRAWING NUMBER
B	CHECKED BY RLR	DATE 2/28/22	IRC-1618-090-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT						SPLICE
	A	B	C	D	E	F	S
6' 6"	10"	34"					70"
7'	10"	38"					76"
7' 6"	10"	28"	52"				82"
8'	10"	34"	58"				88"
8' 6"	10"	28"	52"	76"			94"
9'	10"	34"	58"	82"			100"
9' 6"	10"	28"	52"	76"			106"
10'	10"	34"	58"	82"			112"
10' 6"	10"	28"	52"	76"	100"		118"
11'	10"	34"	58"	82"	106"		124"
11' 6"	10"	28"	52"	76"	100"		130"
12'	10"	34"	58"	82"	106"		136"
12'6"	10"	28"	52"	76"	98"	124	142"
13'	10"	34"	58"	82"	106"	130"	148"
13' 6"	10"	28"	52"	76"	98"	124	154"
14'	10"	34"	58"	82"	106"	130"	160"

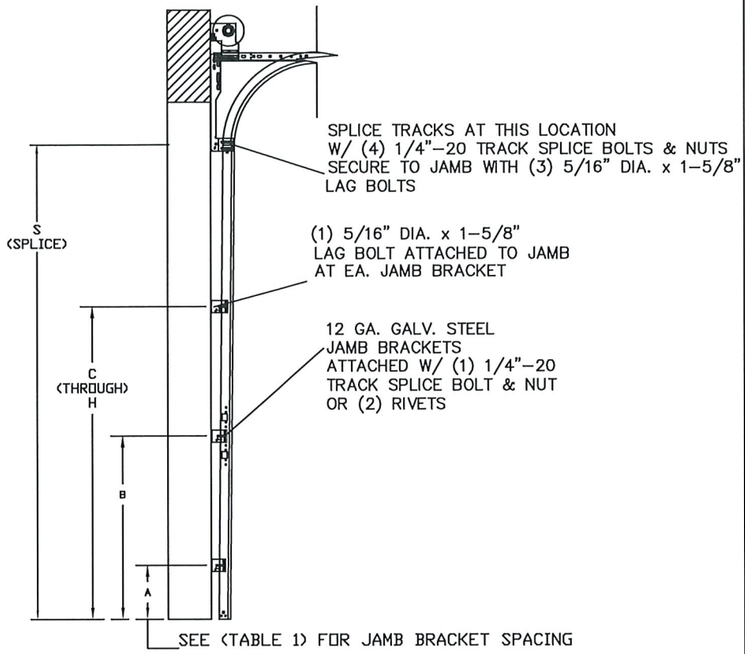
ALL TRACK ATTACHMENT SPACING +/–2" WITH SYP OR SPF NO. 2 OR BETTER ONLY

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

Section		Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
Width (ft)		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negitive (PSF)
09'	2	55.00				11.9	13.5
09'	4	56.00				11.7	13.2
09'	6	57.00				11.5	13.0
09'	8	58.00				11.3	12.8
09'	10	59.00				11.1	12.6
10'	0	48.41	71.59			18.3	20.7
10'	2	49.32	72.68			18.0	20.4
10'	4	50.32	73.68			17.8	20.1
10'	6	50.84	75.17			17.4	19.7
10'	8	51.84	76.17			17.2	19.5
10'	10	52.50	77.50			16.9	19.1
11'	0	53.50	78.50			16.7	18.9
11'	2	54.20	79.80			16.4	18.6
11'	4	55.20	80.80			16.2	18.4
11'	6	56.20	81.80			16.0	18.1
11'	8	57.20	82.80			15.8	17.9
11'	10	47.81	94.19			13.9	15.7
12'	0	48.81	95.19			13.8	15.6
12'	2	49.64	96.36			13.6	15.4
12'	4	50.64	97.36			13.5	15.2
12'	6	50.67	99.33			13.2	14.9
12'	8	51.67	100.33			13.1	14.8
12'	10	52.25	101.75			12.9	14.6
13'	0	53.00	103.00			12.7	14.4
13'	2	54.00	104.00			12.6	14.3
13'	4	54.40	105.60			12.4	14.0
13'	6	55.40	106.60			12.3	13.9
13'	8	56.40	107.60			12.2	13.8
13'	10	57.16	82.94	108.71		15.8	17.9
14'	0	57.76	83.94	110.11		15.6	17.7
14'	2	58.85	84.94	111.41		15.4	17.4
14'	4	59.16	85.94	112.71		15.2	17.2
14'	6	59.86	86.94	114.01		15.1	17.0
14'	8	60.56	87.94	115.31		14.9	16.9
14'	10	61.26	88.94	116.61		14.7	16.7
15'	0	61.94	89.94	117.94		14.6	16.5
15'	2	62.66	90.94	119.21		14.4	16.3
15'	4	53.60	79.20	104.80	130.40	14.3	16.1
15'	6	46.62	93.00	139.38		14.1	15.9
15'	8	47.62	94.00	140.38		13.9	15.8
15'	10	48.62	95.00	141.38		13.8	15.6
16'	0	49.62	96.00	142.38		13.7	15.4
16'	2	50.27	97.00	143.73		13.5	15.3
16'	4	51.27	98.00	144.73		13.4	15.1
16'	6	52.27	99.00	145.73		13.2	15.0
16'	8	51.34	100.00	148.66		13.1	14.8
16'	10	51.50	101.00	150.50		13.0	14.7
17'	0	53.34	102.00	150.66		12.9	14.5
17'	2	53.00	103.00	153.00		12.7	14.4
17'	4	54.00	104.00	154.00		12.6	14.3
17'	6	55.00	105.00	155.00		12.5	14.1
17'	8	54.80	106.00	157.20		12.4	14.0
17'	10	55.80	107.00	158.20		12.3	13.9
18'	0	57.25	108.00	158.75		12.2	13.8



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

WOOD JAMB ATTACHMENT TO STRUCTURE

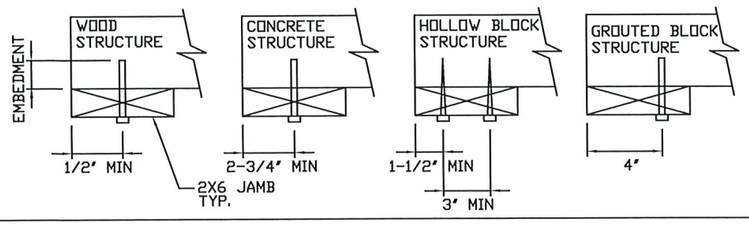
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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
18' WIDTH
14' HEIGHT

DESIGN LOADS
+12.2 PSF
–13.8 PSF

TEST LOADS
+18.3 PSF
–20.7 PSF

Thomas L. Shelmerdine, PE (NC PE #14564)
Structural Solutions, PA (NC Firm #C-1096)

NORTH CAROLINA PROFESSIONAL SEAL 14564 ENGINEER THOMAS L. SHELMERDINE
3/9/22
NC

5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000
MODEL #1200 AMARR HERITAGE 3000

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	RLR	2/28/22	IRC–1618–090–15
	CHECKED BY RLR	DATE 2/28/22	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3