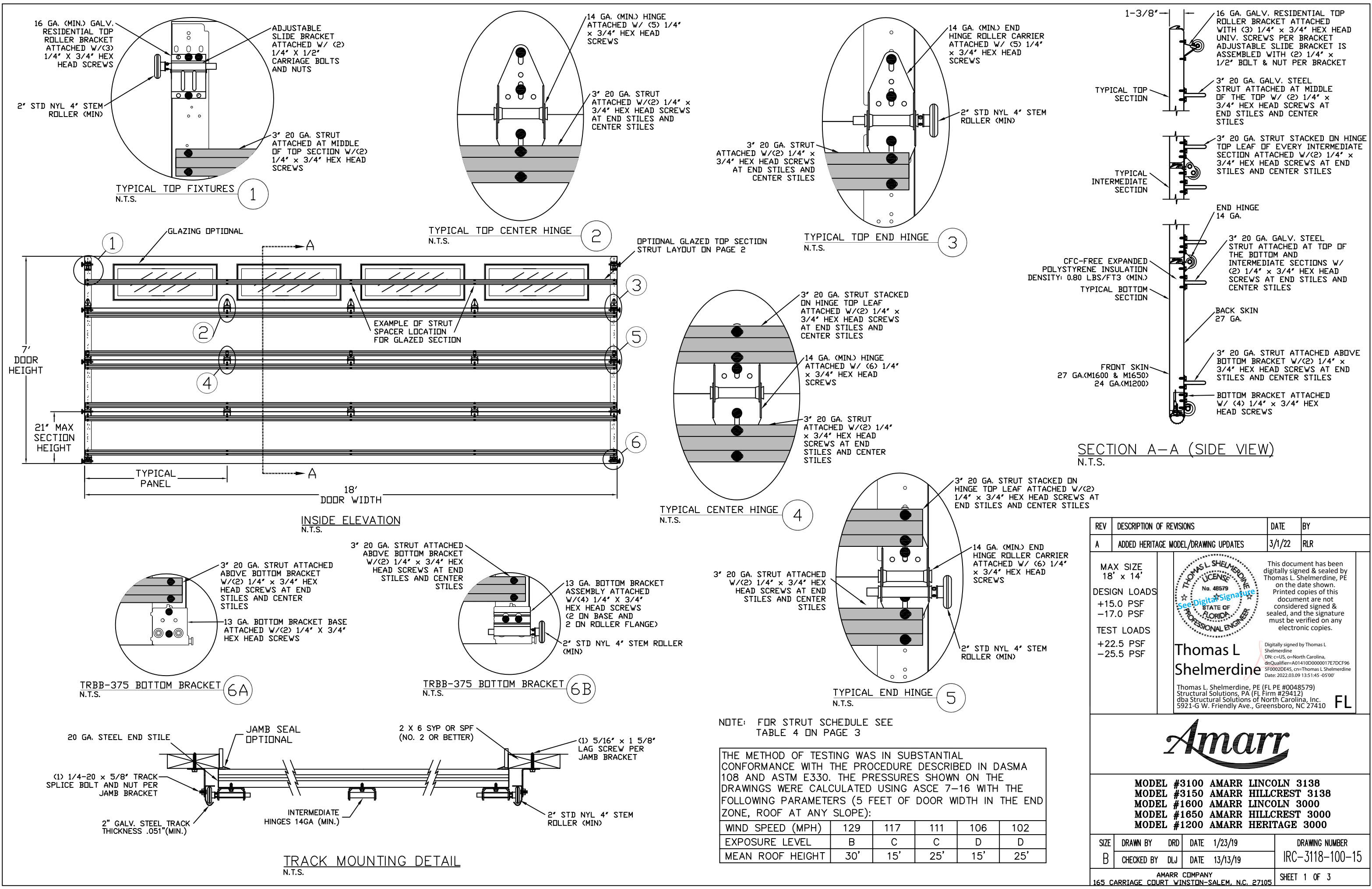




REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR

MAX SIZE
18' x 14'

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
+22.5 PSF
-25.5 PSF

THOMAS L. SHELMERDINE
LICENSE
No. 48579
See Digital Signature
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Thomas L
Shelmerdine

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
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FL

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Digitally signed by Thomas L. Shelmerdine
DN: c=US, o=North Carolina, dnQualifier=A01410D0000017E7DCF965F0002DE45, cn=Thomas L. Shelmerdine
Date: 2022.03.09 13:51:45 -05'00'

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)	129	117	111	106	102
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

MODEL #3100 AMARR LINCOLN 3138
MODEL #3150 AMARR HILLCREST 3138
MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000
MODEL #1200 AMARR HERITAGE 3000

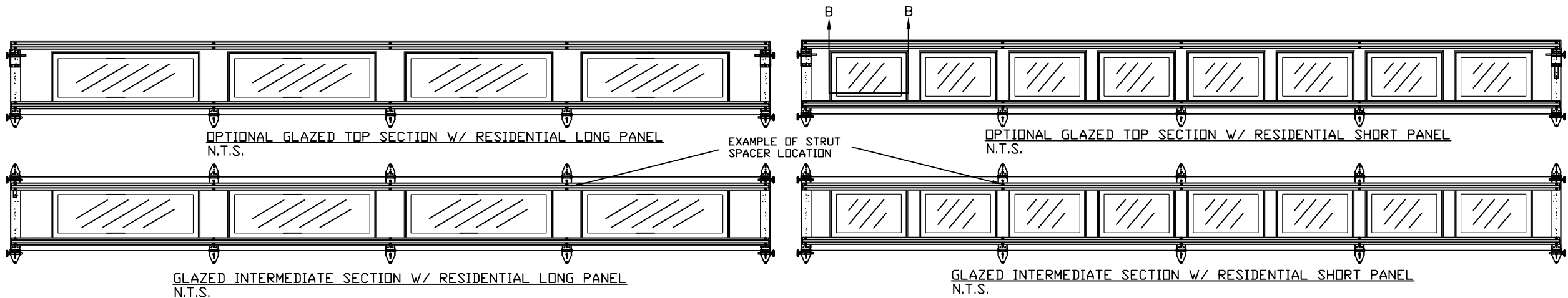
SIZE	DRAWN BY	DRD	DATE	1/23/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	13/13/19	IRC-3118-100-15

AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 3

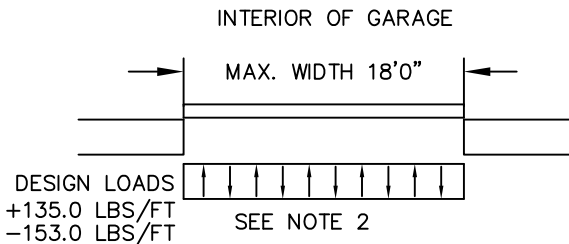
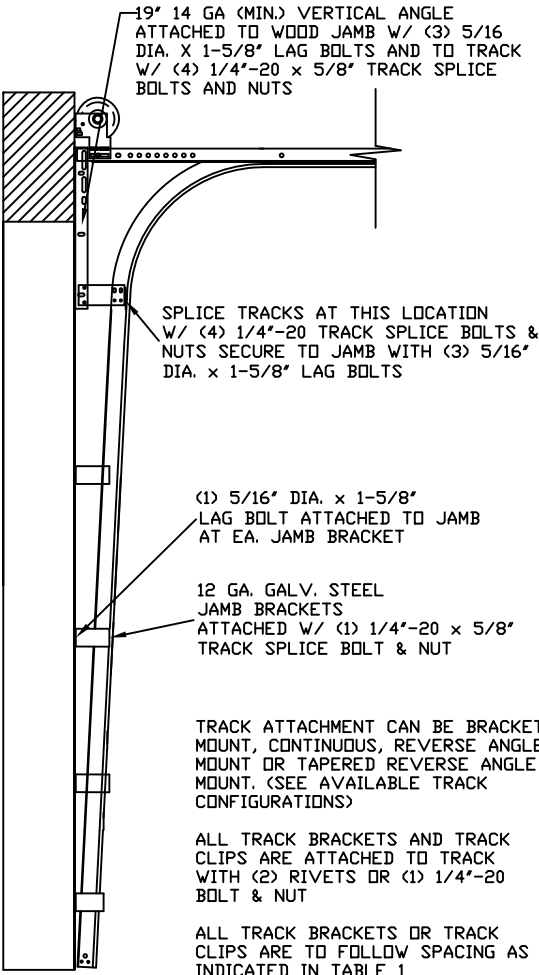
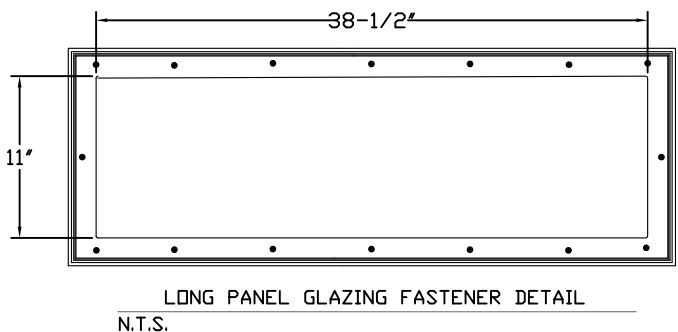
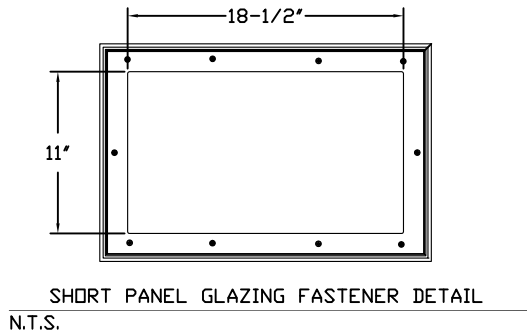
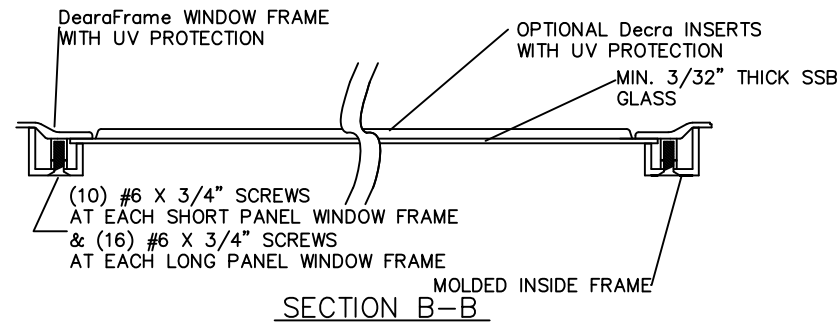
OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

STRUT SPACERS MAY BE USED ON GLAZED SECTIONS



GLAZING OPTION CROSS SECTION

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



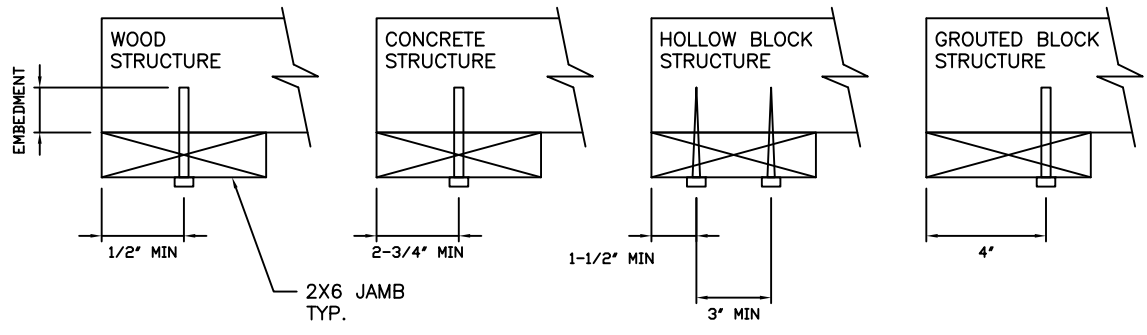
SPECIFICATIONS AND NOTES

1. 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.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +135.0 LBS/FT & -153.0 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27GA MIN. INTERIOR AND 27GA MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. PANEL STAMP DOES NOT AFFECT WINDLOAD CAPABILITIES.

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



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS

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

MAX SIZE 18' x 14'	This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies.
DESIGN LOADS +15.0 PSF -17.0 PSF	
TEST LOADS +22.5 PSF -25.5 PSF	

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FL

Amarr

MODEL #3100 AMARR LINCOLN 3138
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MODEL #1200 AMARR HERITAGE 3000

SIZE	DRAWN BY	DRD	DATE	1/23/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	3/13/19	IRC-3118-100-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

HEIGHT	TRACK ATTACHMENT							SPLICE
	A	B	C	D	E	F	G	
6' 0"	10"	38"	58"					64"
6' 6"	10"	38"	58"					70"
7' 0"	10"	38"	58"					76"
7' 6"	10"	38"	58"					82"
8' 0"	10"	38"	58"	82"				88"
8' 6"	10"	38"	58"	82"				94"
9' 0"	10"	38"	58"	82"				100"
9' 6"	10"	38"	58"	82"				106"
10' 0"	10"	38"	58"	82"	106"			112"
10' 6"	10"	38"	58"	82"	106"			118"
11' 0"	10"	38"	58"	82"	106"			124"
11' 6"	10"	38"	58"	82"	106"			130"
12' 0"	10"	38"	58"	82"	106"	130"		136"
12' 6"	10"	38"	58"	82"	106"	130"		142"
13' 0"	10"	38"	58"	82"	106"	130"		148"
13' 6"	10"	38"	58"	82"	106"	130"		154"
14' 0"	10"	38"	58"	82"	106"	130"	154"	160"

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

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
6' 0"	18"	18"	18"	18"				
6' 6"	21"	18"	18"	21"				
7' 0"	21"	21"	21"	21"				
7' 6"	18"	18"	18"	18"	18"			
8' 0"	21"	18"	18"	18"	21"			
8' 6"	21"	21"	21"	18"	21"			
9' 0"	18"	18"	18"	18"	18"	18"		
9' 6"	21"	18"	18"	18"	18"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
10' 6"	21"	21"	21"	21"	21"	21"		
11' 0"	21"	18"	18"	18"	18"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
12' 0"	21"	21"	21"	21"	21"	18"	21"	
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"

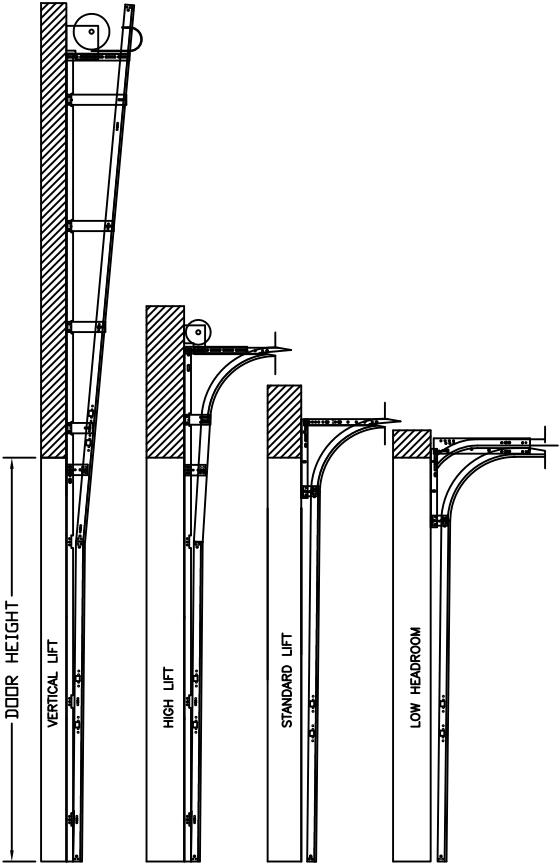
TABLE 4

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

*ADDITIONAL STRUT MAY BE ADDED
FOR OPTIONAL GLAZED TOP SECTION
SEE PAGE 2 FOR LAYOUT

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	50.27	97.00	143.73	16.6	18.8
16' 2	Long	51.17	97.00	142.83	16.6	18.8
16' 2	Bead Board	48.75	97.00	145.25	16.6	18.8
16' 4	Short	51.27	98.00	144.73	16.4	18.6
16' 4	Long	52.17	98.00	143.83	16.4	18.6
16' 4	Bead Board	49.08	98.00	146.92	16.4	18.6
16' 6	Short	52.27	99.00	145.73	16.3	18.5
16' 6	Long	51.34	99.00	146.66	16.3	18.5
16' 6	Bead Board	49.42	99.00	148.59	16.3	18.5
16' 8	Short	51.34	100.00	148.66	16.1	18.3
16' 8	Long	52.20	100.00	147.80	16.1	18.3
16' 8	Bead Board	49.92	100.00	150.09	16.1	18.3
16' 10	Short	51.50	101.00	150.50	16.0	18.1
16' 10	Long	53.20	101.00	148.80	16.0	18.1
16' 10	Bead Board	50.15	101.00	151.59	16.0	18.1
17' 0	Short	53.34	102.00	150.66	15.8	17.9
17' 0	Long	54.20	102.00	149.80	15.8	17.9
17' 0	Bead Board	50.92	102.00	153.09	15.8	17.9
17' 2	Short	53.00	103.00	153.00	15.6	17.7
17' 2	Long	55.20	103.00	150.80	15.6	17.7
17' 2	Bead Board	51.42	103.00	154.59	15.6	17.7
17' 4	Short	54.00	104.00	154.00	15.5	17.6
17' 4	Long	56.20	104.00	151.80	15.5	17.6
17' 4	Bead Board	51.92	104.00	156.09	15.5	17.6
17' 6	Short	55.00	105.00	155.00	15.4	17.4
17' 6	Long	57.20	105.00	152.80	15.4	17.4
17' 6	Bead Board	52.42	105.00	157.59	15.4	17.4
17' 8	Short	54.80	106.00	157.20	15.2	17.2
17' 8	Long	55.80	106.00	156.20	15.2	17.2
17' 8	Bead Board	52.92	106.00	159.09	15.2	17.2
17' 10	Short	55.80	107.00	158.20	15.1	17.1
17' 10	Long	56.25	107.00	157.75	15.1	17.1
17' 10	Bead Board	53.42	107.00	160.59	15.1	17.1
18' 0	Short	57.25	108.00	158.75	15.0	17.0
18' 0	Long	57.80	108.00	158.20	15.0	17.0
18' 0	Bead Board	53.92	108.00	162.09	15.0	17.0



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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