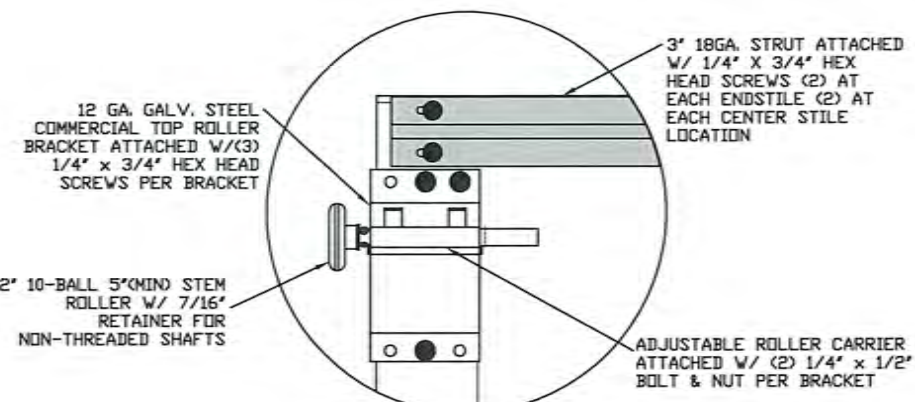
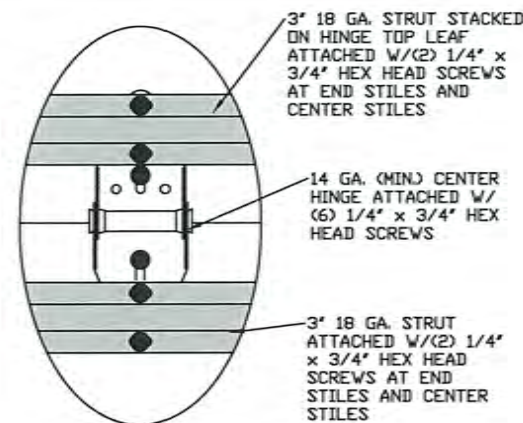
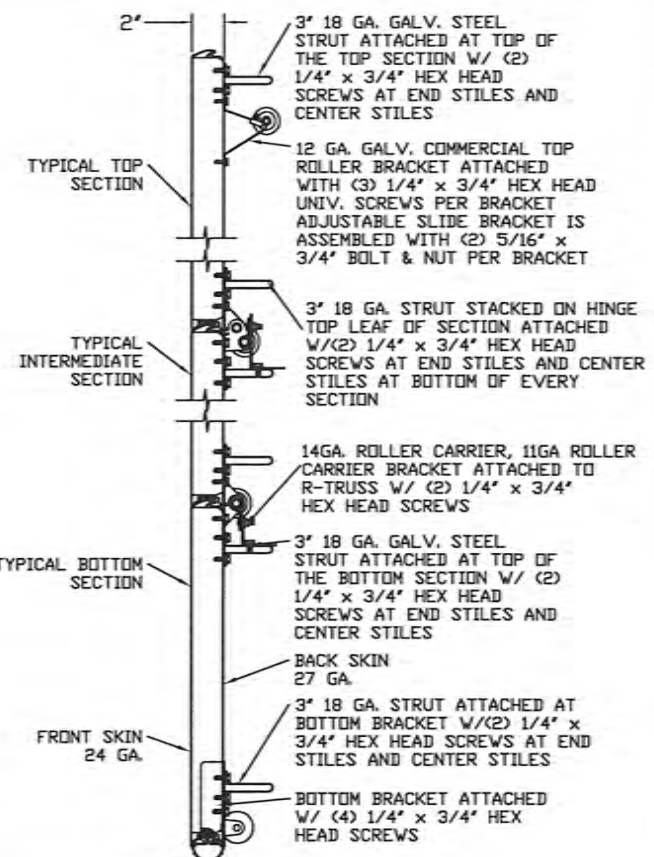




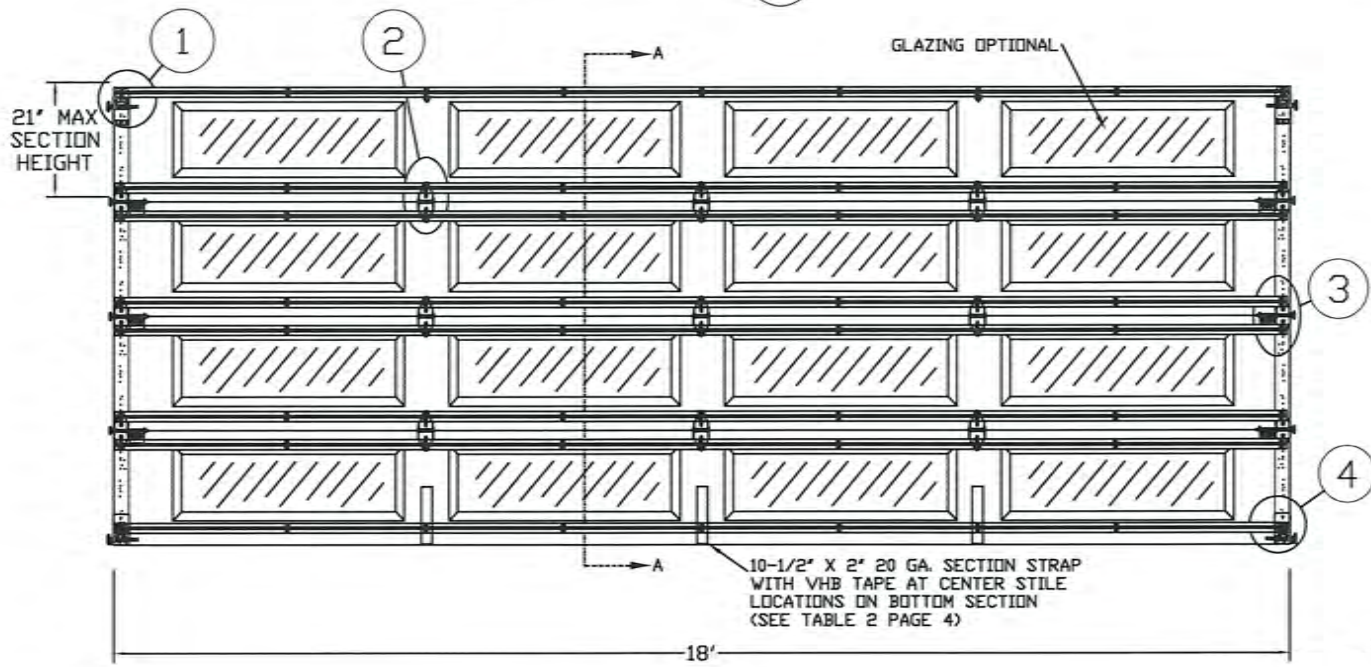
TYPICAL TOP FIXTURES
N.T.S. 1



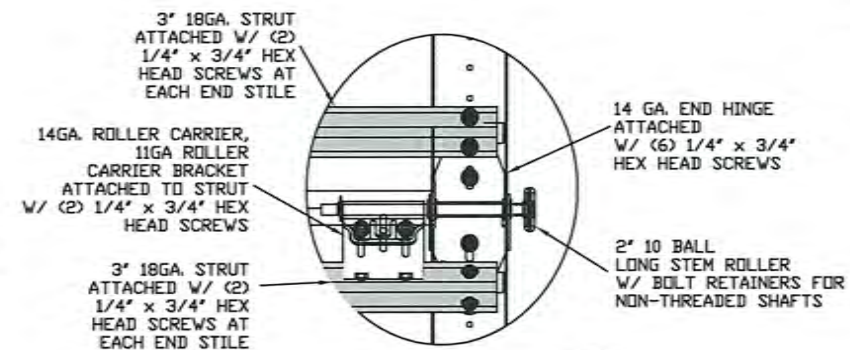
TYPICAL CENTER HINGE
N.T.S. 2



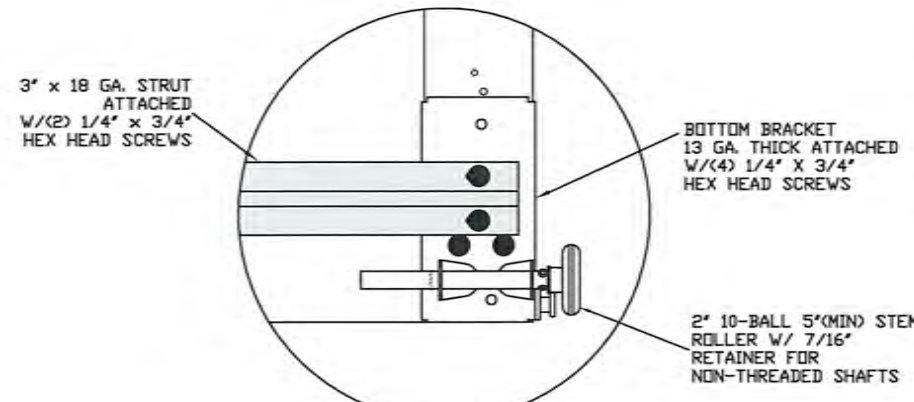
SECTION A-A (SIDE VIEW)
N.T.S.



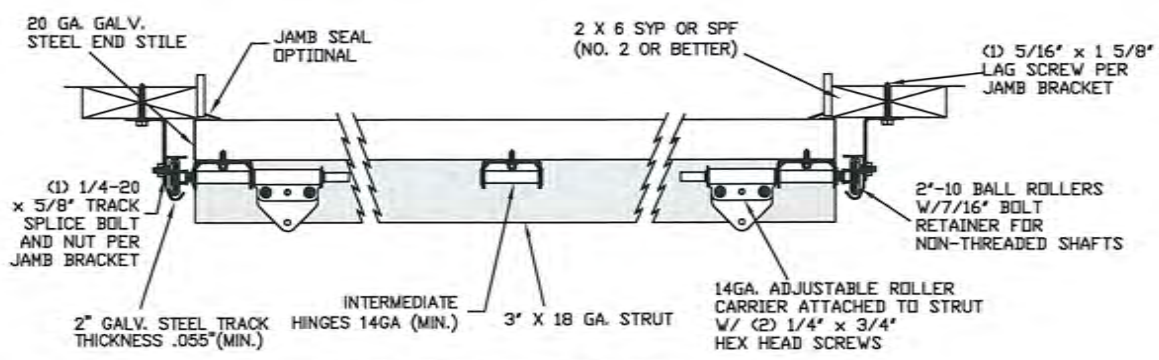
INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE
N.T.S. 3



TYPICAL BOTTOM BRACKET
N.T.S. 4



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN 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)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18\"/>

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.1 PSF
-43.1 PSF

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

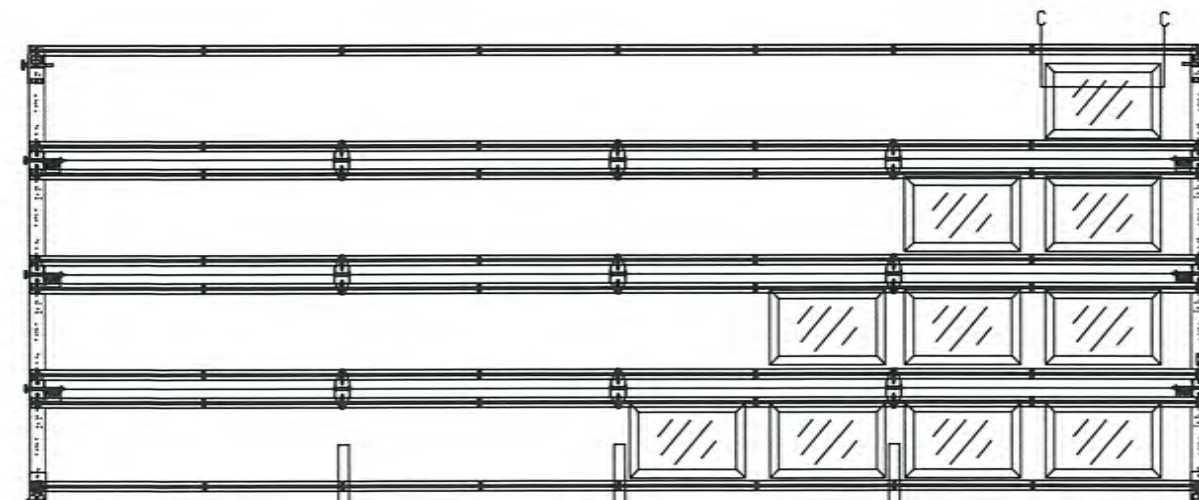
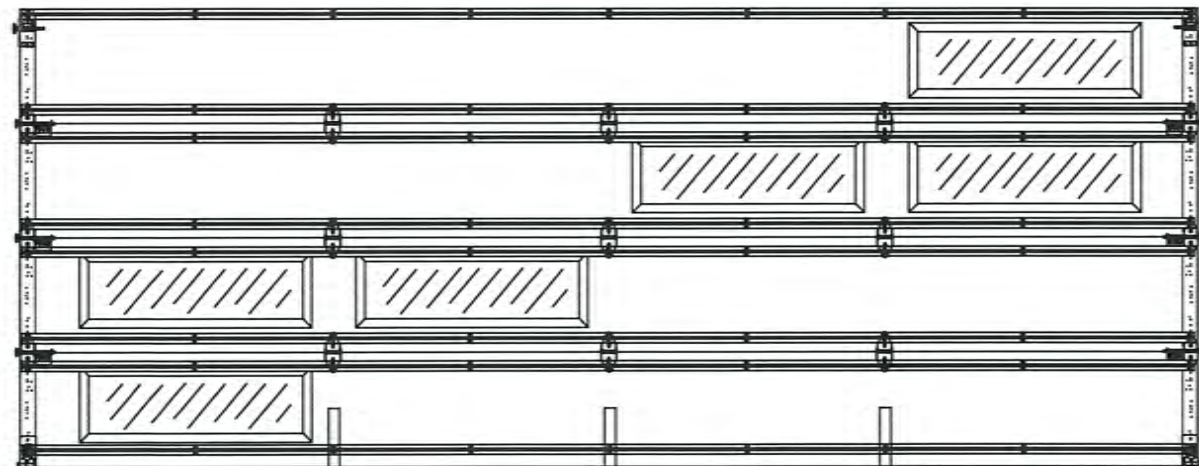
FL



MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000

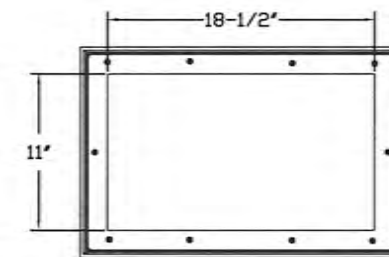
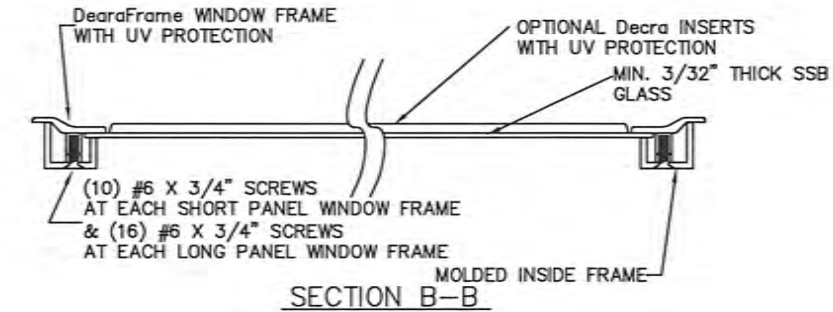
SIZE	DRAWN BY	DLJ	DATE	06/07/21	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	07/07/21	IRC-1218-130-17-M
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105					SHEET 1 OF 4

EXAMPLES OF OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS GLAZING AVAILABLE IN ANY COMBINATION GLAZING MEETS ASTM E1300-04

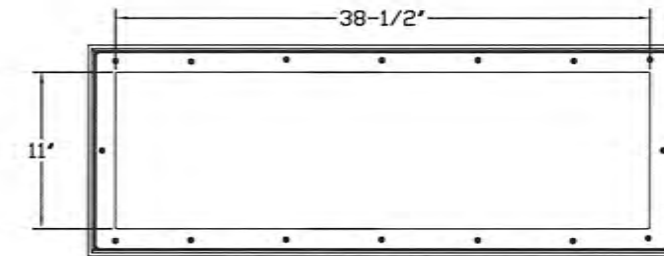


GLAZING OPTION CROSS SECTION

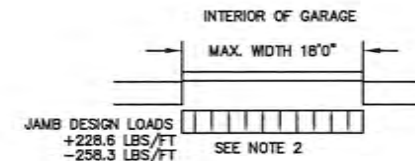
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



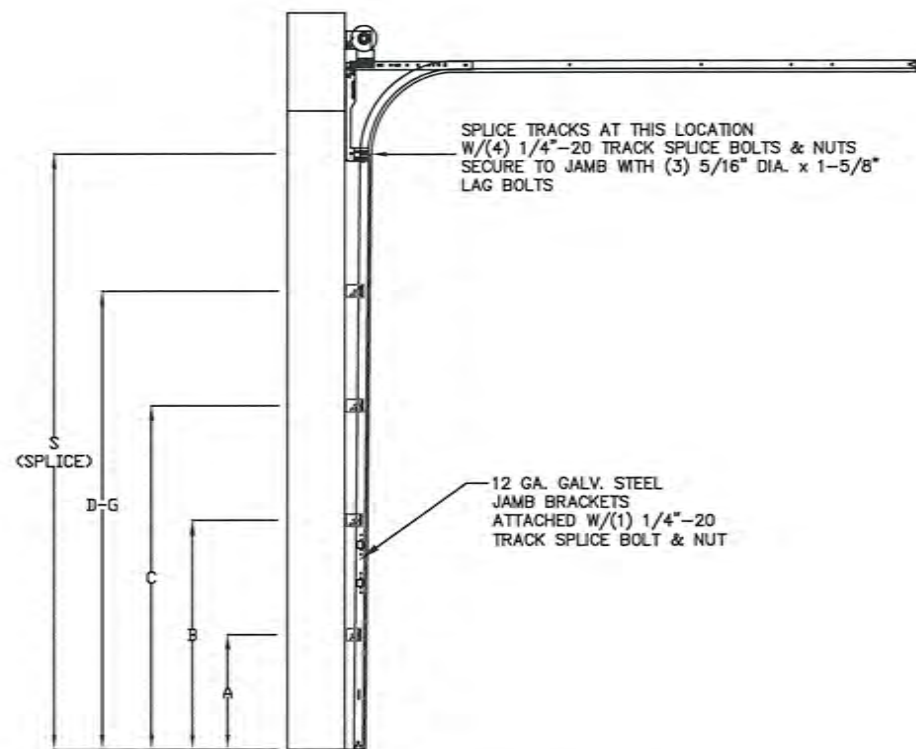
LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



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: +228.6 LBS/FT & -258.3 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +25.4 PSF -28.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +38.1 PSF -43.1 PSF			
Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL Thomas L. Shelmerdine LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410			
Amarr			
MODEL #1200 AMARR HERITAGE 3000 MODEL #1200 AMARR OAK SUMMIT 3000			
SIZE	DRAWN BY	DLJ	DATE 06/07/21
B	CHECKED BY	RLR	DATE 07/07/21
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-1218-130-17-M
			SHEET 2 OF 4



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS (SEE TABLE 1)
N.T.S.

TABLE 1

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"

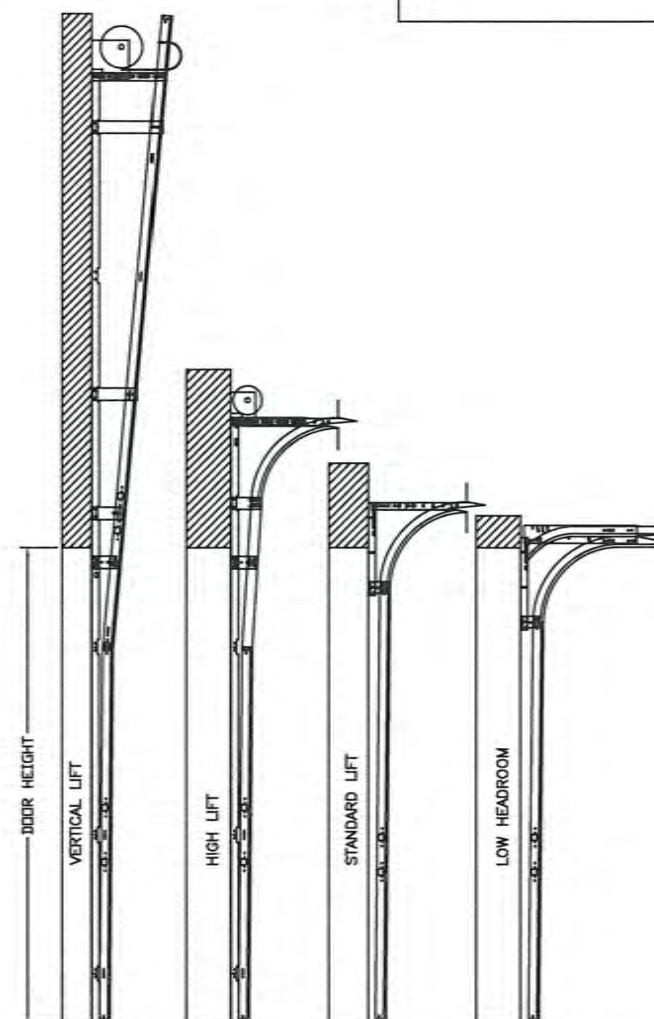
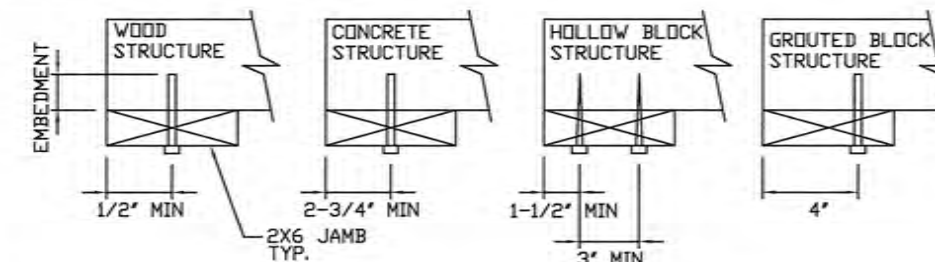
ALL TRACK ATTACHMENT SPACING +/- 1/4" ALLOWED
WITH SYP OR SPF NO. 2 OR BETTER ONLY

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 20" 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 18" 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 22" 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' WIDTH
14' HEIGHT
(DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.1 PSF
-43.1 PSF

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

THOMAS L. SHELMERDINE
LICENSE
No. 48579
8/9/21
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000

SIZE B	DRAWN BY DLJ	DATE 06/07/21	DRAWING NUMBER IRC-1218-130-17-M
CHECKED BY RLR	DATE 07/07/21		

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

SHEET 3 OF 4

TABLE 2

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	28.2	31.9
16' 2	Long	51.17	97.00	142.83	28.2	31.9
16' 2	Oak Summit	48.75	97.00	145.25	28.2	31.9
16' 4	Short	51.27	98.00	144.73	27.9	31.6
16' 4	Long	52.17	98.00	143.83	27.9	31.6
16' 4	Oak Summit	49.08	98.00	146.92	27.9	31.6
16' 6	Short	52.27	99.00	145.73	27.7	31.3
16' 6	Long	51.34	99.00	146.66	27.7	31.3
16' 6	Oak Summit	49.42	99.00	148.59	27.7	31.3
16' 8	Short	51.34	100.00	148.66	27.4	30.9
16' 8	Long	52.20	100.00	147.80	27.4	30.9
16' 8	Oak Summit	49.92	100.00	150.09	27.4	30.9
16' 10	Short	51.50	101.00	150.50	27.1	30.6
16' 10	Long	53.20	101.00	148.80	27.1	30.6
16' 10	Oak Summit	50.15	101.00	151.59	27.1	30.6
17' 0	Short	53.34	102.00	150.66	26.8	30.3
17' 0	Long	54.20	102.00	149.80	26.8	30.3
17' 0	Oak Summit	50.92	102.00	153.09	26.8	30.3
17' 2	Short	53.00	103.00	153.00	26.6	30.0
17' 2	Long	55.20	103.00	150.80	26.6	30.0
17' 2	Oak Summit	51.42	103.00	154.59	26.6	30.0
17' 4	Short	54.00	104.00	154.00	26.3	29.8
17' 4	Long	56.20	104.00	151.80	26.3	29.8
17' 4	Oak Summit	51.92	104.00	156.09	26.3	29.8
17' 6	Short	55.00	105.00	155.00	26.1	29.5
17' 6	Long	57.20	105.00	152.80	26.1	29.5
17' 6	Oak Summit	52.42	105.00	157.59	26.1	29.5
17' 8	Short	54.80	106.00	157.20	25.8	29.2
17' 8	Long	55.80	106.00	156.20	25.8	29.2
17' 8	Oak Summit	52.92	106.00	159.09	25.8	29.2
17' 10	Short	55.80	107.00	158.20	25.6	28.9
17' 10	Long	56.25	107.00	157.75	25.6	28.9
17' 10	Oak Summit	53.42	107.00	160.59	25.6	28.9
18' 0	Short	57.25	108.00	158.75	25.4	28.7
18' 0	Long	57.80	108.00	158.20	25.4	28.7
18' 0	Oak Summit	53.92	108.00	162.09	25.4	28.7

TABLE 3

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 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' WIDTH
14' HEIGHT
(DOOR HEIGHT SUBJECT
TO WEIGHT LIMITATIONS)

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
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-43.1 PSF

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SIZE	DRAWN BY	DLJ	DATE	06/07/21	DRAWING NUMBER
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AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 4 OF 4