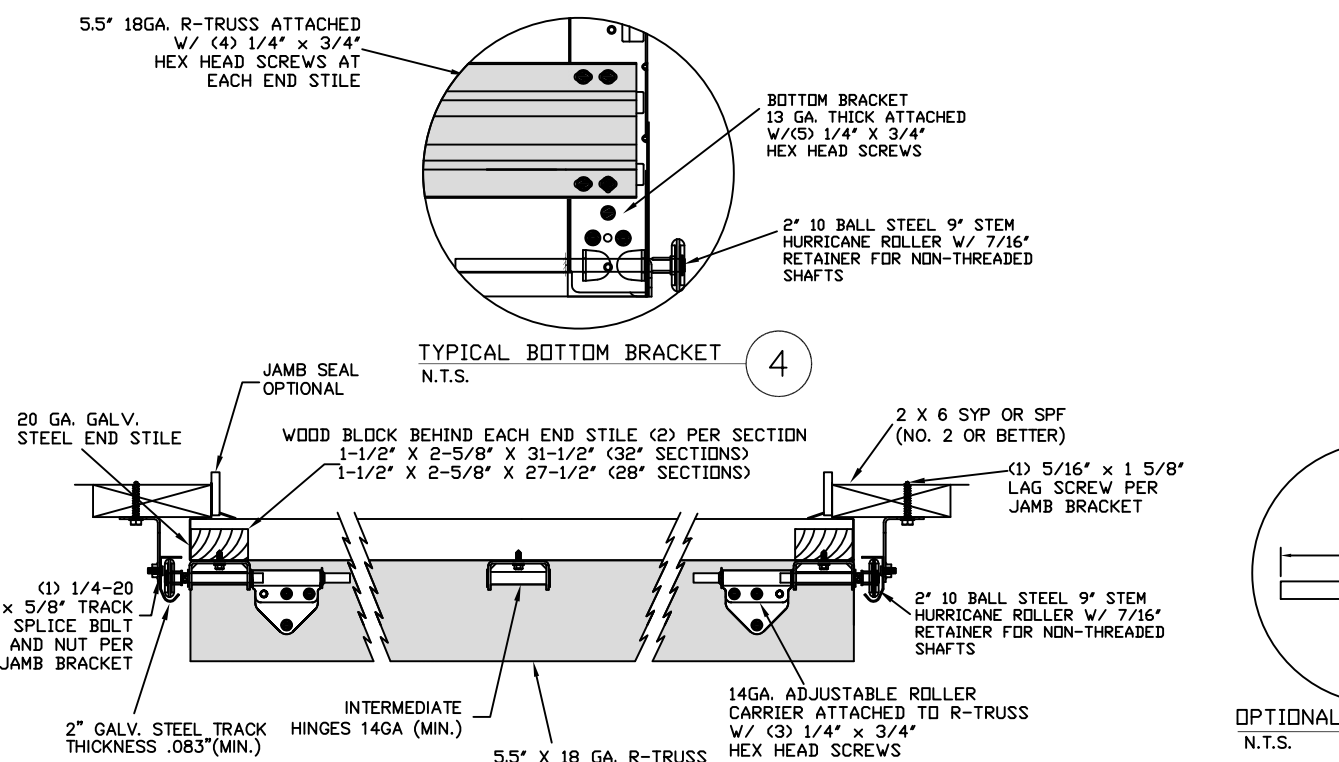
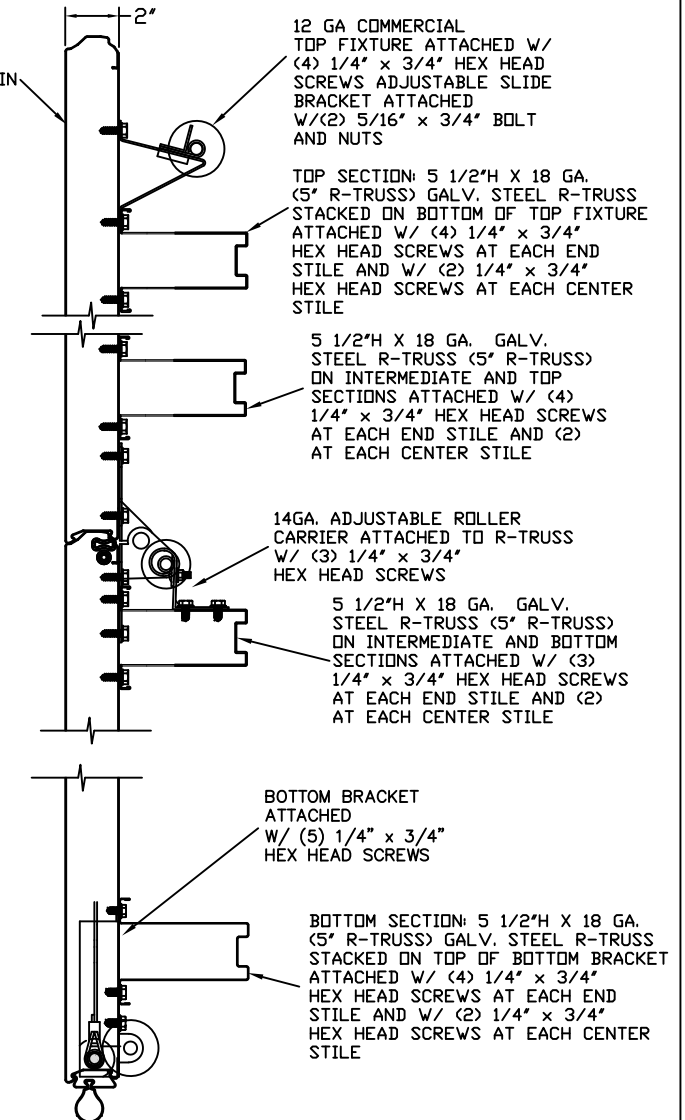
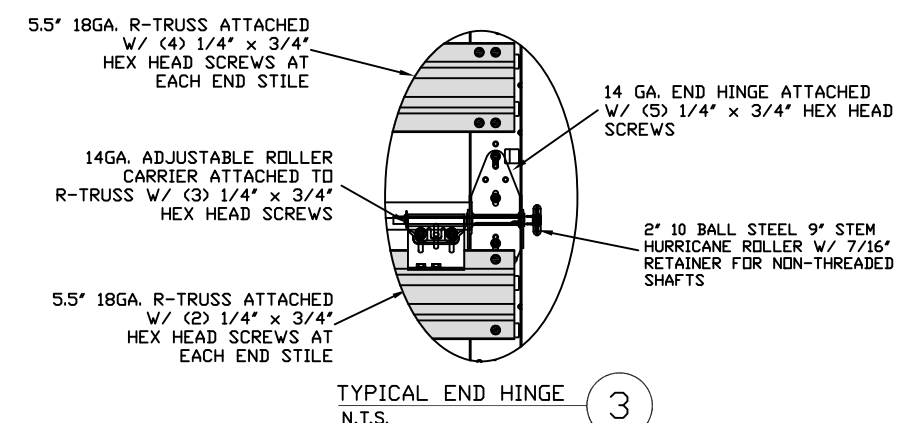
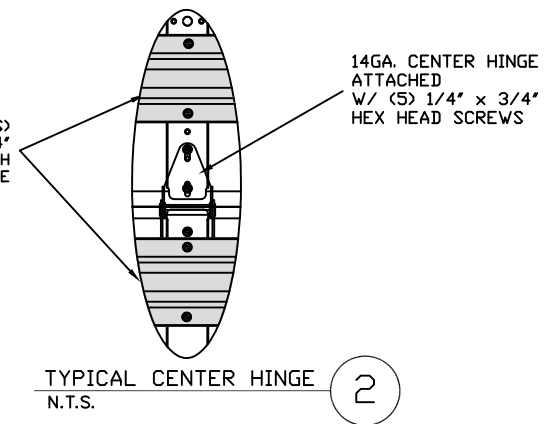
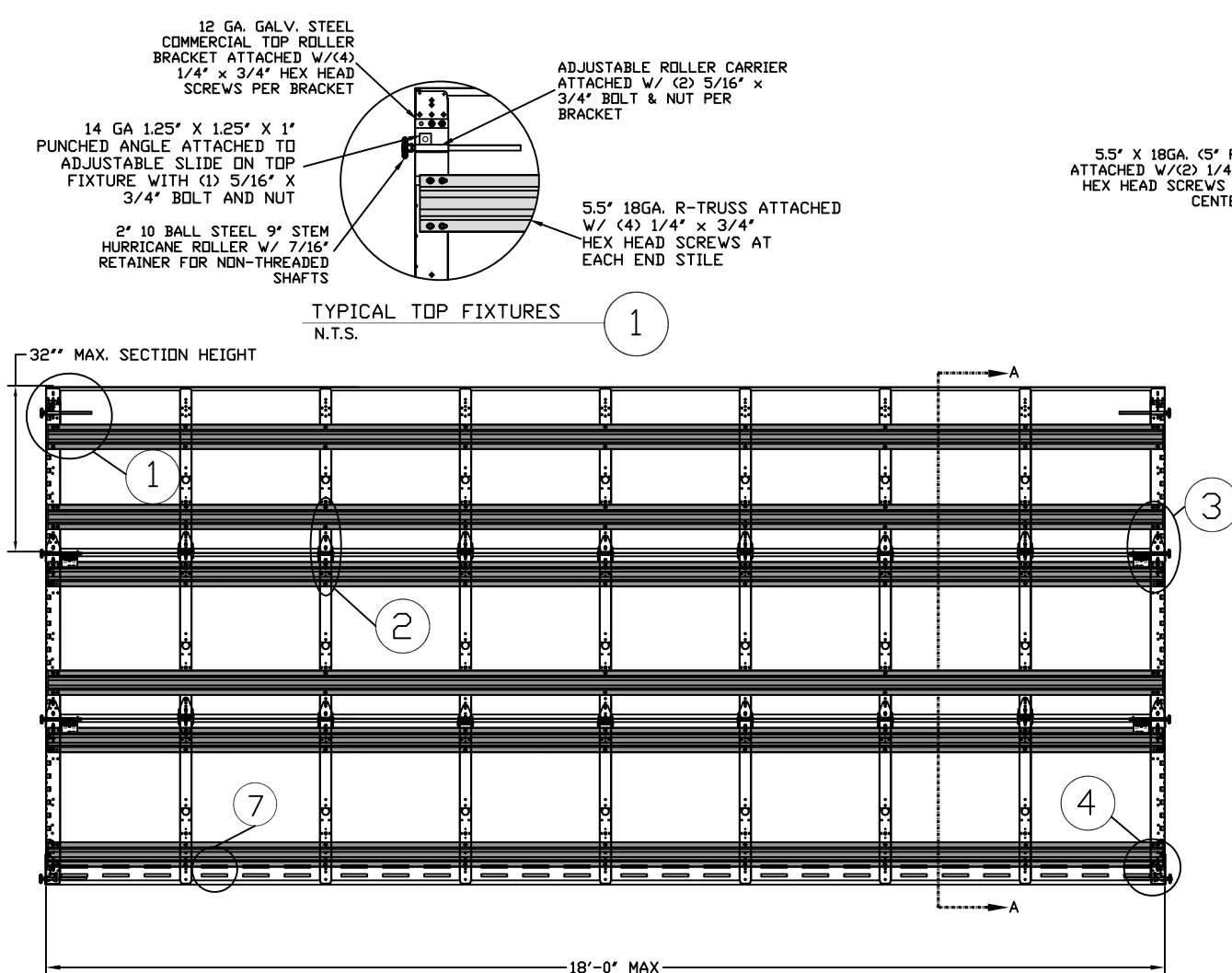


LARGE MISSILE IMPACT RESISTANCE

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E1886, E1996, F588 AND DASMA 108, 115. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

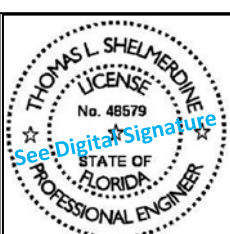
WIND SPEED (MPH)	182	165	157	150	144
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+29.4 PSF
-33.3 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+44.1 PSF
-50.0 PSF



**Thomas L
Shelmerdine**

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

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.

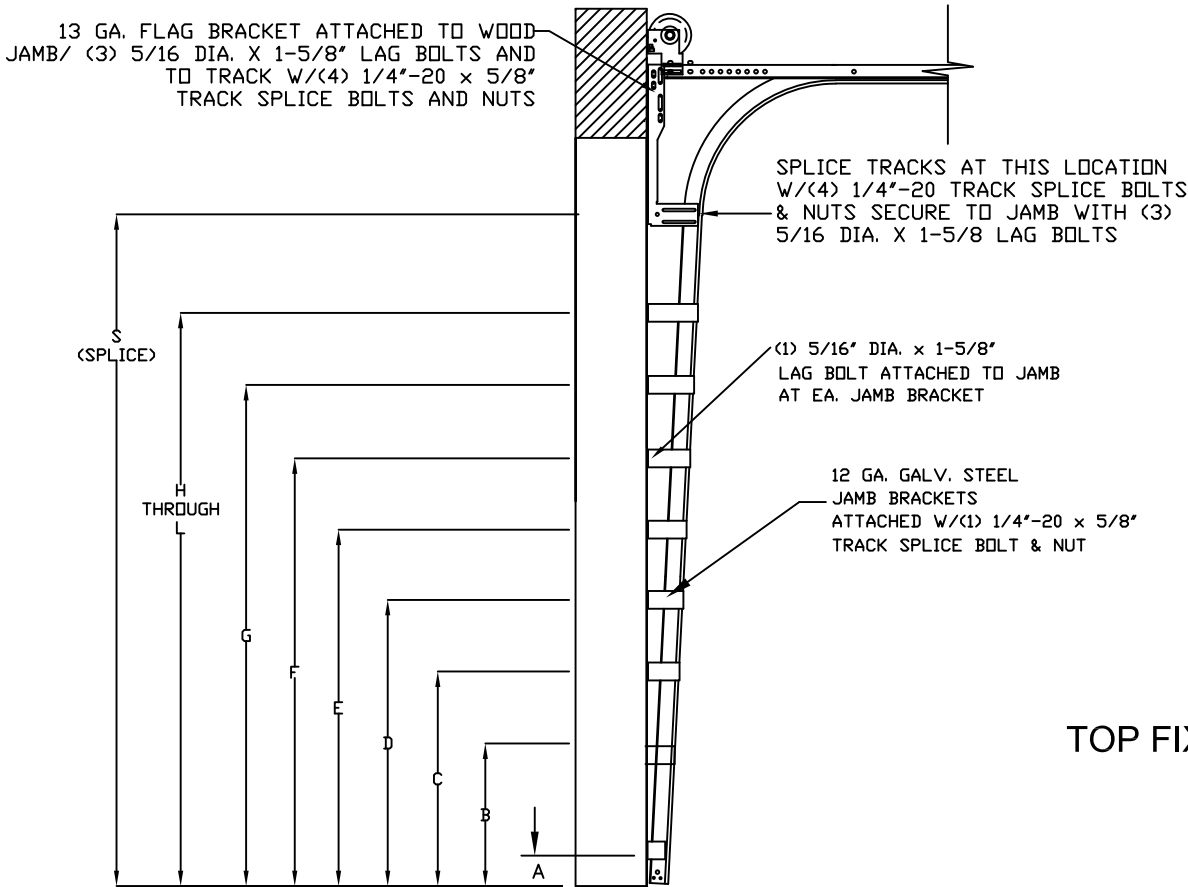
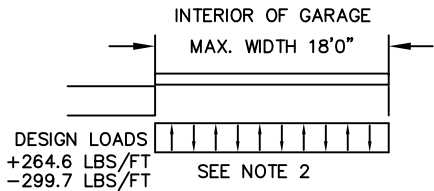
Digitally signed by Thomas L Shelmerdine
DN: c=US, o=North Carolina,
dnQualifier=A01410D000001856487A7B1
00125CE2, cn=Thomas L Shelmerdine
Date: 2023.09.25 14:38:57 -04'00'



MODEL #500 AMARR CLASSICA 1000, 2000			
SIZE B	DRAWN BY DRC	DATE 07/07/2020	DRAWING NUMBER IRC-5318-140-26-1
	CHECKED BY DLJ	DATE 11/03/2020	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 3

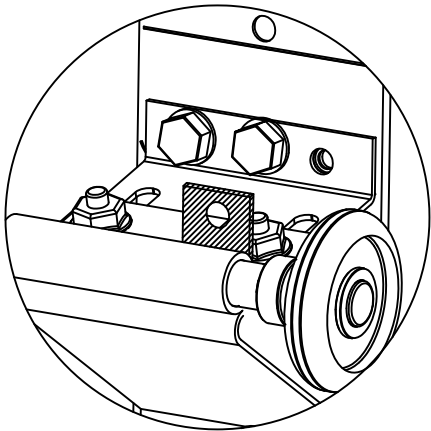
SPECIFICATIONS AND NOTES

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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +264.6 LBS/FT & -299.7 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. DOOR SECTIONS SHALL BE 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 8'0" HIGH CONSIST OF (3) SECTIONS AS SHOWN. USE (2) 5.5" R-TRUSSES PER SECTION
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



SEE (TABLE 2) FOR JAMB BRACKET SPACING
TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.

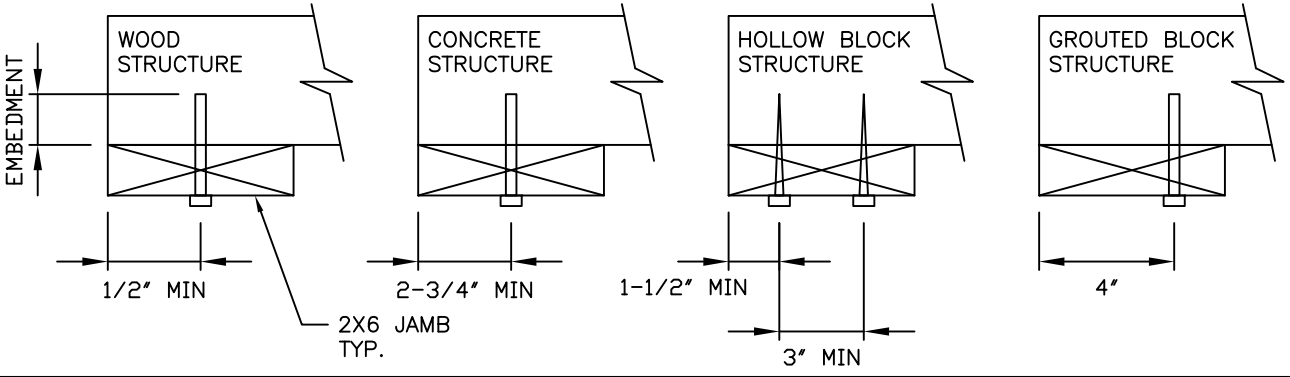
TOP FIXTURE REINFORCEMENT ILLUSTRATION



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 18" 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 16" 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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+29.4 PSF
-33.3 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+44.1 PSF
-50.0 PSF

See Digital Signature

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

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.

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

FL

Amarr

MODEL #500 AMARR CLASSICA 1000, 2000

SIZE B	DRAWN BY DRC	DATE 07/07/2020	DRAWING NUMBER IRC-5318-140-26-I
	CHECKED BY DLJ	DATE 11/03/2020	

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

SHEET 2 OF 3

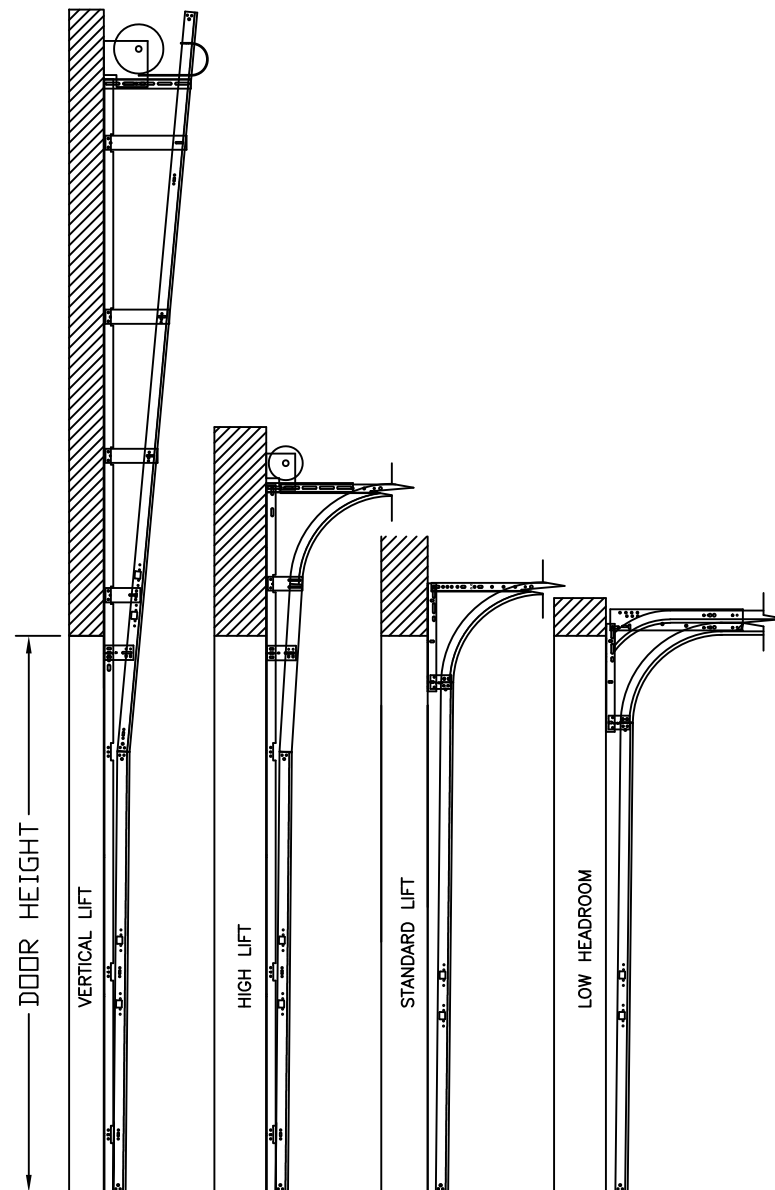
TABLE 1

Section	Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)	Positive (PSF)
16' 2	24.63	48.75	72.880	97.00	121.13	145.25	169.38	32.5	36.8
16' 4	24.63	49.08	73.540	98.00	122.46	146.92	171.38	32.2	36.5
16' 6	24.63	49.42	74.210	99.00	123.79	148.59	173.38	31.9	36.1
16' 8	24.88	49.92	74.960	100.00	125.04	150.09	175.13	31.6	35.8
16' 10	25.13	50.42	75.710	101.00	126.29	151.59	176.88	31.3	35.4
17' 0	25.38	50.92	76.460	102.00	127.54	153.09	178.63	31.0	35.1
17' 2	25.63	51.42	77.210	103.00	128.79	154.59	180.38	30.7	34.7
17' 4	25.88	51.92	77.960	104.00	130.04	156.09	182.13	30.4	34.4
17' 6	26.13	52.42	78.710	105.00	131.29	157.59	183.88	30.1	34.1
17' 8	26.38	52.92	79.460	106.00	132.54	159.09	185.63	29.8	33.8
17' 10	26.63	53.42	80.210	107.00	133.79	160.59	187.38	29.5	33.4
18' 0	26.88	53.92	80.960	108.00	135.04	162.09	189.13	29.4	33.3

TABLE 2

DOOR HEIGHT		TRACK ATTACHMENT											
		A	B	C	D	E	F	G	H	I	J	K	L
7'	0"	3.5"	10"	22"	34"	46"	58"						
7'	6"	3.5"	10"	22"	34"	46"	58"	70"					
8'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"				
8'	6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"			
9'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"			
9'	6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"			
10'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"		
11'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"		
12'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	
13'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"
14'	0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"

ALL TRACK AND ATTACHMENT SPACING $\pm 2"$
ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 3

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

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +29.4 PSF -33.3 PSF TEST LOADS (1.5 x DESIGN LOADS) +44.1 PSF -50.0 PSF		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. Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL	
			
MODEL #500 AMARR CLASSICA 1000, 2000			
SIZE	DRAWN BY	DRC	DATE
B	DRAWN BY	DRC	07/07/2020
	CHECKED BY	DLJ	DATE
	CHECKED BY	DLJ	11/03/2020
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			DRAWING NUMBER IRC-5318-140-26-I
SHEET 3 OF 3			SHEET 3 OF 3