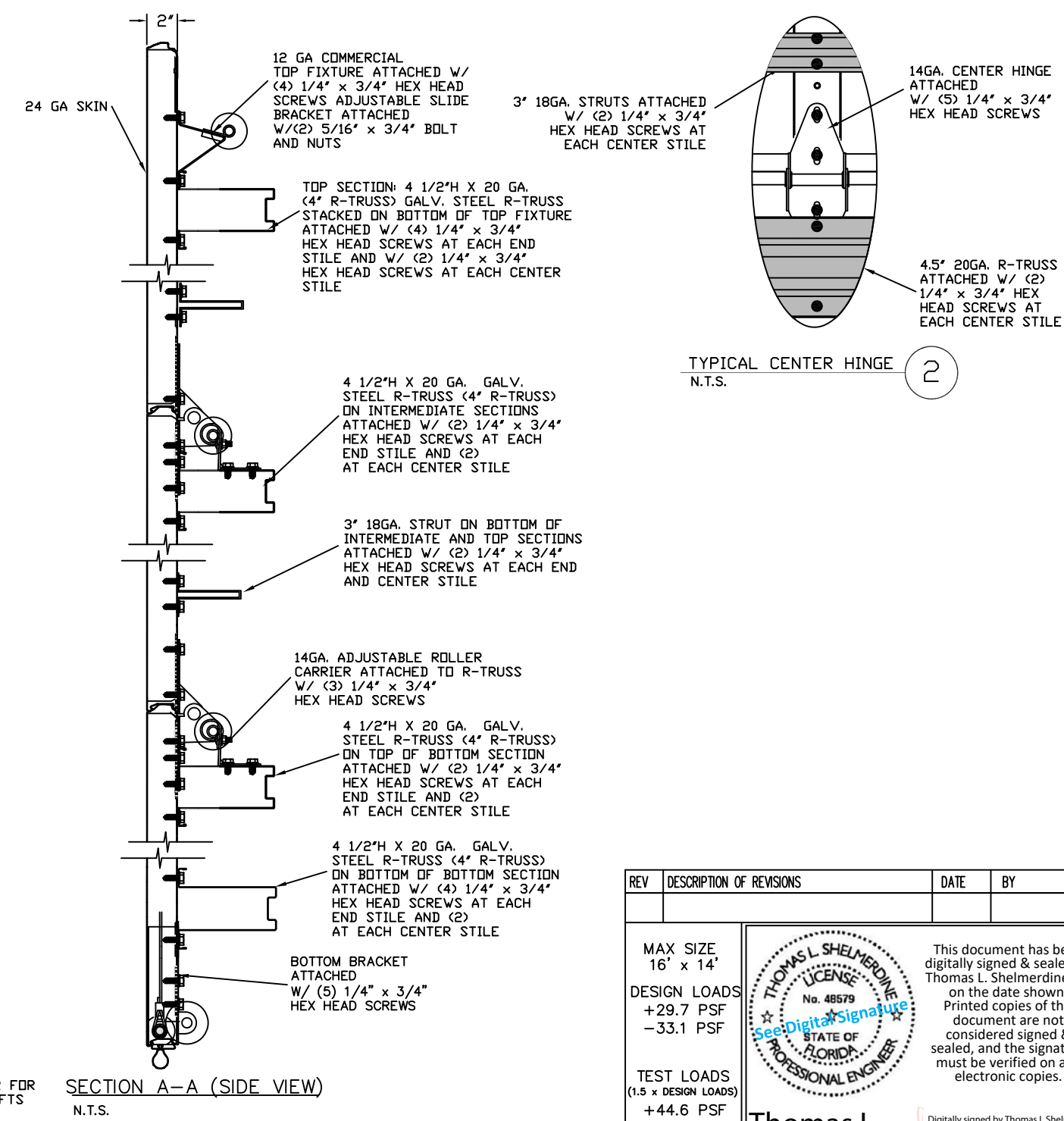
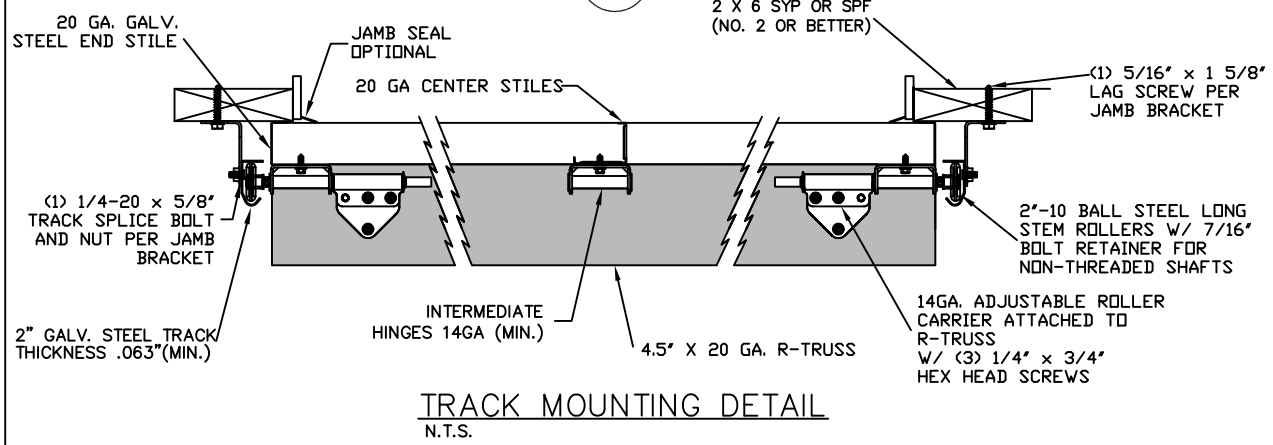
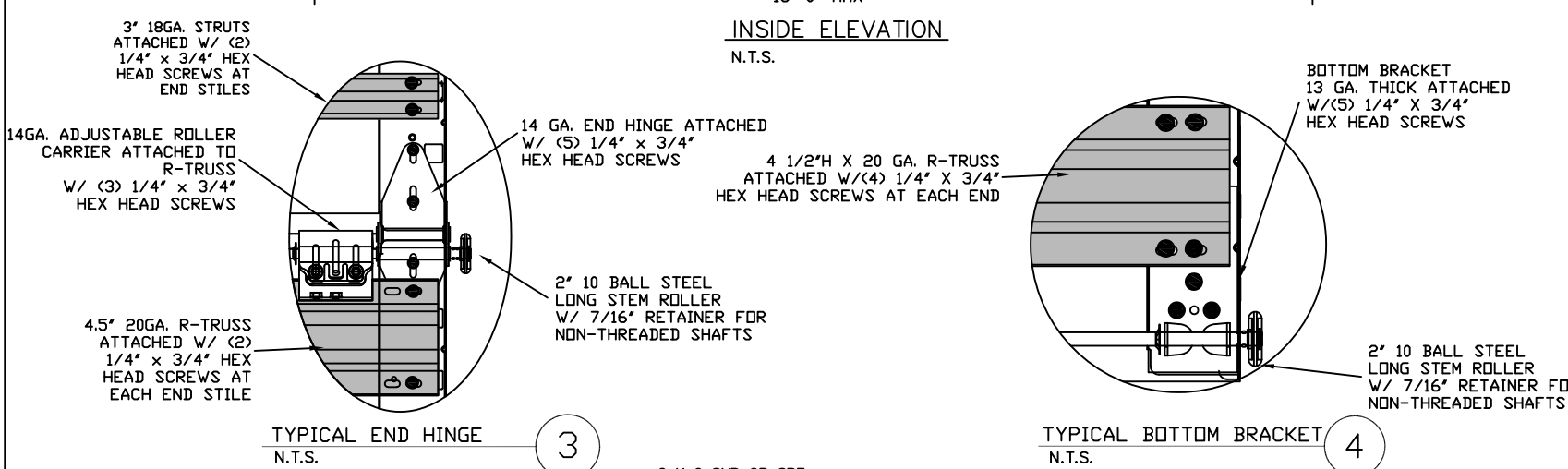
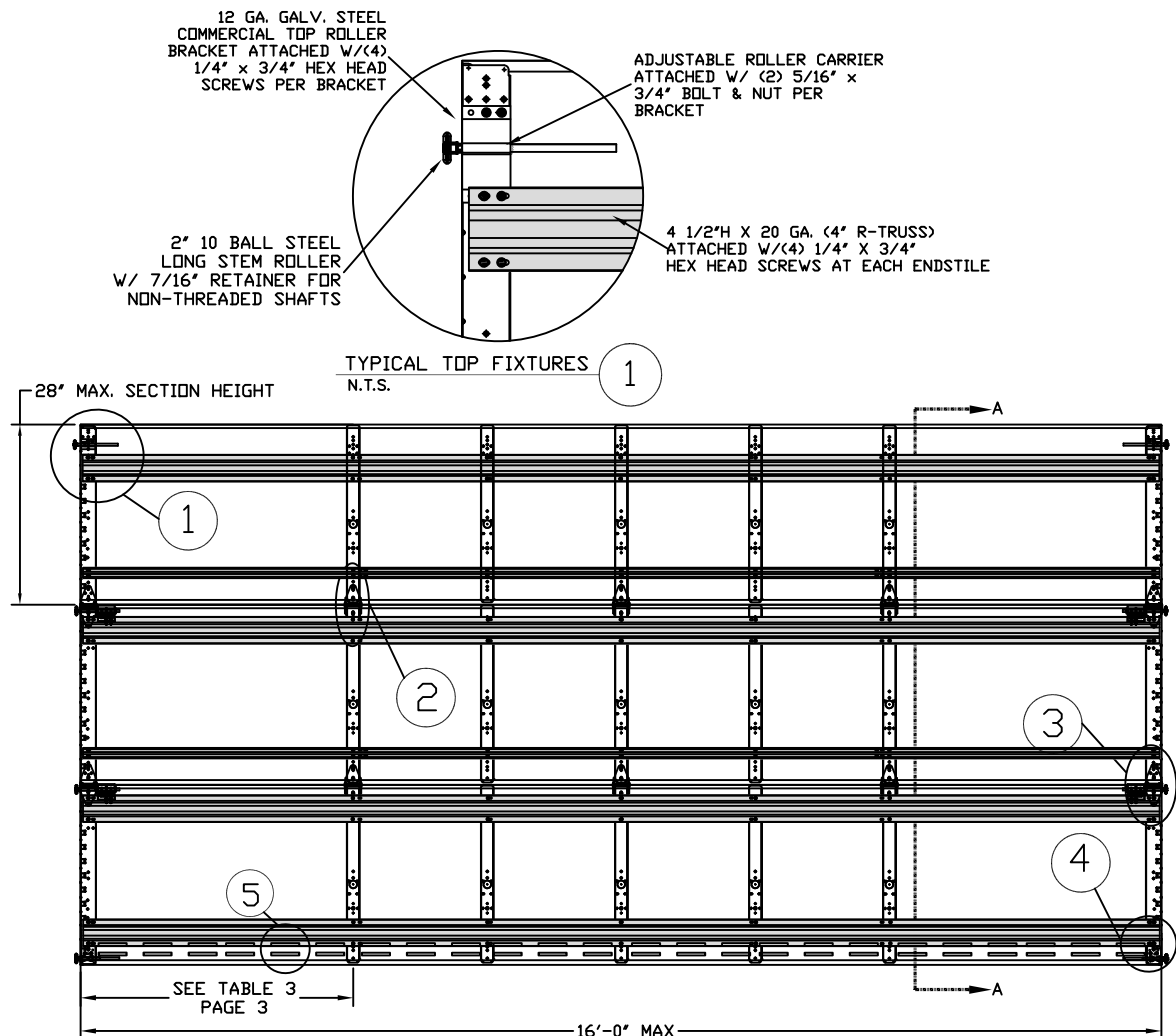




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	179	162	154	148	141
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+29.7 PSF
-33.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+44.6 PSF
-49.7 PSF

THOMAS L. SHELMERDINE
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.

Digitally signed by Thomas L. Shelmerdine
DN: c=US, o=North Carolina,
dnQualifier=A01410000001856487A7B1
00125CE2, cn=Thomas L. Shelmerdine
Date: 2023.09.25 09:39:17 -0400'

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

FL

Amarr

MODEL #500
AMARR CLASSICA 1000, 2000

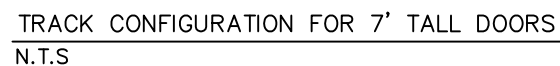
SIZE	DRAWN BY	DLJ	DATE	02/04/2021	DRAWING NUMBER
B	CHECKED BY	DRC	DATE	02/04/2021	IRC-5216-140-24

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

SHEET 1 OF 3



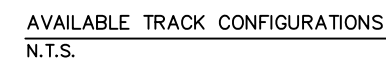
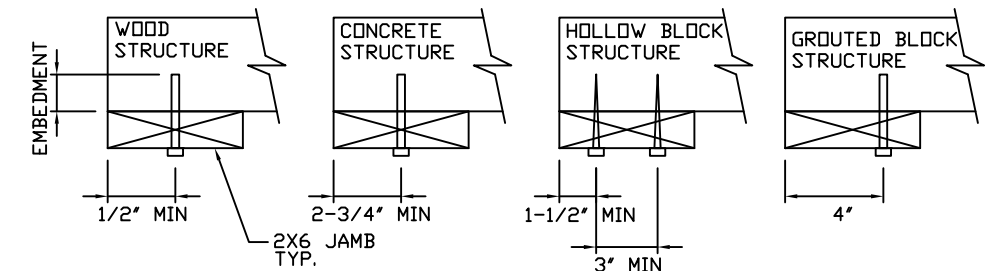
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+237.6 LBS/FT & -264.8 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY
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. REFER TO TABLE 1 ON PAGE 3 FOR STRUT SCHEDULE



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 20" 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



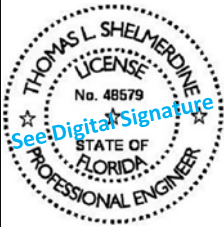
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 16' x 14' DESIGN LOADS +29.7 PSF -33.1 PSF TEST LOADS (1.5 x DESIGN LOADS) +44.6 PSF -49.7 PSF		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, 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	DLJ	DATE 02/04/2021
	B		
	DRAWN BY	DLJ	DATE 02/04/2021
	B		
	DRAWN BY	DLJ	DATE 02/04/2021
	B		
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			DRAWING NUMBER IRC-5216-140-24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			SHEET 2 OF 3

TABLE 1

SECTION	STRUT SIZE
TOP	4.5"
	3"
5TH	4.5"
	3"
4TH	4.5"
	3"
3RD	4.5"
	3"
2ND	4.5"
	3"
BOTTOM	4.5"
	4.5"

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	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
09' 2	28.13	55.00	81.88			51.6	57.5
09' 4	28.63	56.00	83.38			50.7	56.5
09' 6	29.13	57.00	84.88			49.8	55.5
09' 8	29.63	58.00	86.38			48.9	54.5
09' 10	30.13	59.00	87.88			48.1	53.6
10' 0	30.63	60.00	89.38			47.3	52.7
10' 2	31.13	61.00	90.88			46.5	51.8
10' 4	31.63	62.00	92.38			45.8	51.0
10' 6	32.13	63.00	93.88			45.0	50.2
10' 8	32.63	64.00	95.38			44.3	49.4
10' 10	33.13	65.00	96.88			43.6	48.6
11' 0	33.63	66.00	98.38			43.0	47.9
11' 2	34.13	67.00	99.88			42.3	47.2
11' 4	34.63	68.00	101.38			41.7	46.5
11' 6	35.13	69.00	102.88			41.1	45.8
11' 8	35.63	70.00	104.38			40.5	45.2
11' 10	36.13	71.00	105.88			40.0	44.5
12' 0	24.625	48.31	72	95.688	119.375	29.9	33.4
12' 2	25.125	49.06	73	96.938	120.875	29.6	33.0
12' 4	25.625	49.81	74	98.188	122.375	29.3	32.7
12' 6	26.125	50.56	75	99.438	123.875	29.0	32.3
12' 8	26.625	51.31	76	100.69	125.375	28.7	32.0
12' 10	27.125	52.06	77	101.94	126.875	28.4	31.7
13' 0	27.625	52.81	78	103.19	128.375	28.2	31.4
13' 2	28.125	53.56	79	104.44	129.875	27.9	31.1
13' 4	28.625	54.31	80	105.69	131.375	27.6	30.8
13' 6	29.125	55.06	81	106.94	132.875	27.3	30.5
13' 8	29.625	55.81	82	108.19	134.375	27.1	30.2
13' 10	30.125	56.56	83	109.44	135.875	26.8	29.9
14' 0	30.625	57.31	84	110.69	137.375	26.6	29.6
14' 2	31.125	58.06	85	111.94	138.875	26.3	29.3
14' 4	31.625	58.81	86	113.19	140.375	26.1	29.1
14' 6	32.125	59.56	87	114.44	141.875	25.8	28.8
14' 8	32.625	60.31	88	115.69	143.375	25.6	28.5
14' 10	33.125	61.06	89	116.94	144.875	25.4	28.3
15' 0	33.625	61.81	90	118.19	146.375	25.2	28.0
15' 2	34.125	62.56	91	119.44	147.875	24.9	27.8
15' 4	34.625	63.31	92	120.69	149.375	24.7	27.6
15' 6	47.42	70.208	93.00	115.79	138.58	30.5	34.0
15' 8	48.02	71.008	94.00	116.99	139.98	30.2	33.6
15' 10	48.62	71.808	95.00	118.19	141.38	29.9	33.3
16' 0	48.42	72.208	96.00	119.79	143.58	29.7	33.1

REV	DESCRIPTION OF REVISIONS	DATE	BY
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SIZE B	DRAWN BY DLJ	DATE 02/04/2021	DRAWING NUMBER IRC-5216-140-24
	CHECKED BY DRC	DATE 02/04/2021	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3