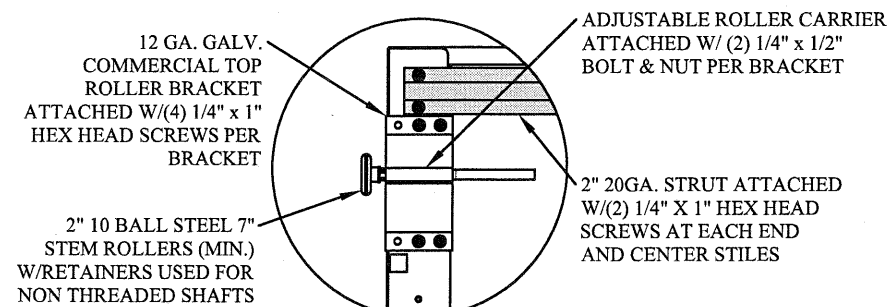
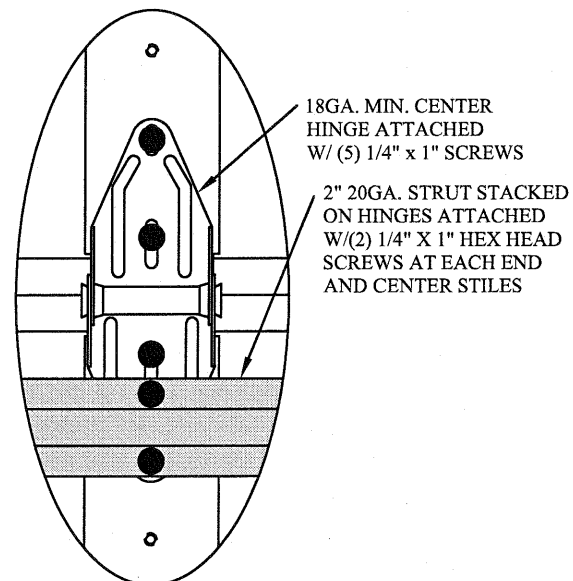
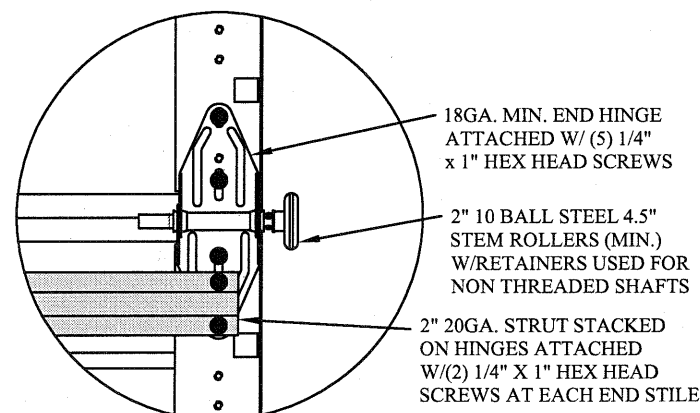




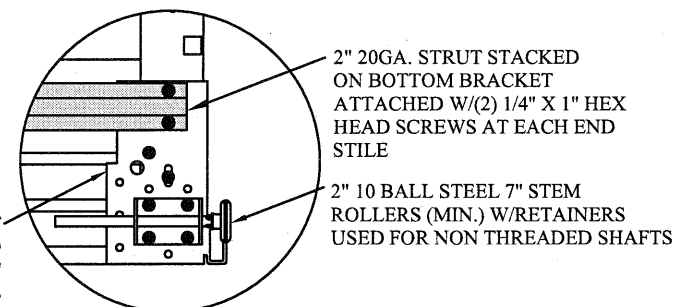
TYPICAL TOP FIXTURES
N.T.S. 1



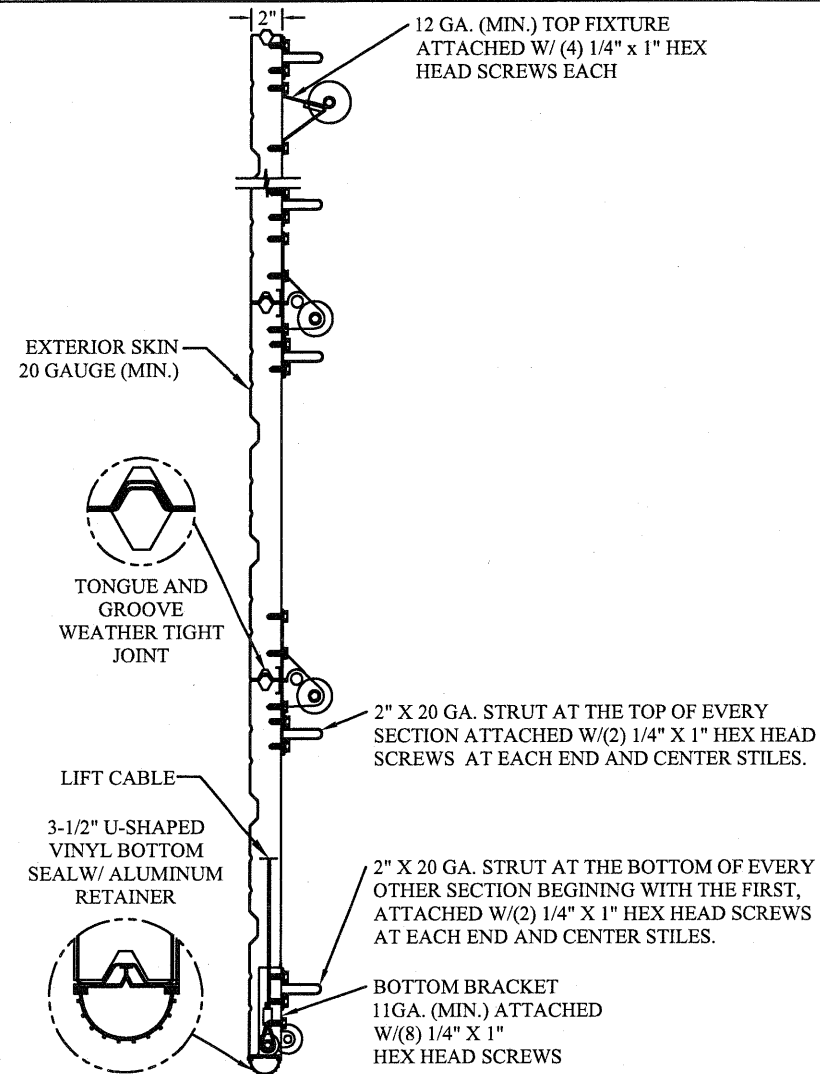
TYPICAL CENTER HINGE
N.T.S. 2



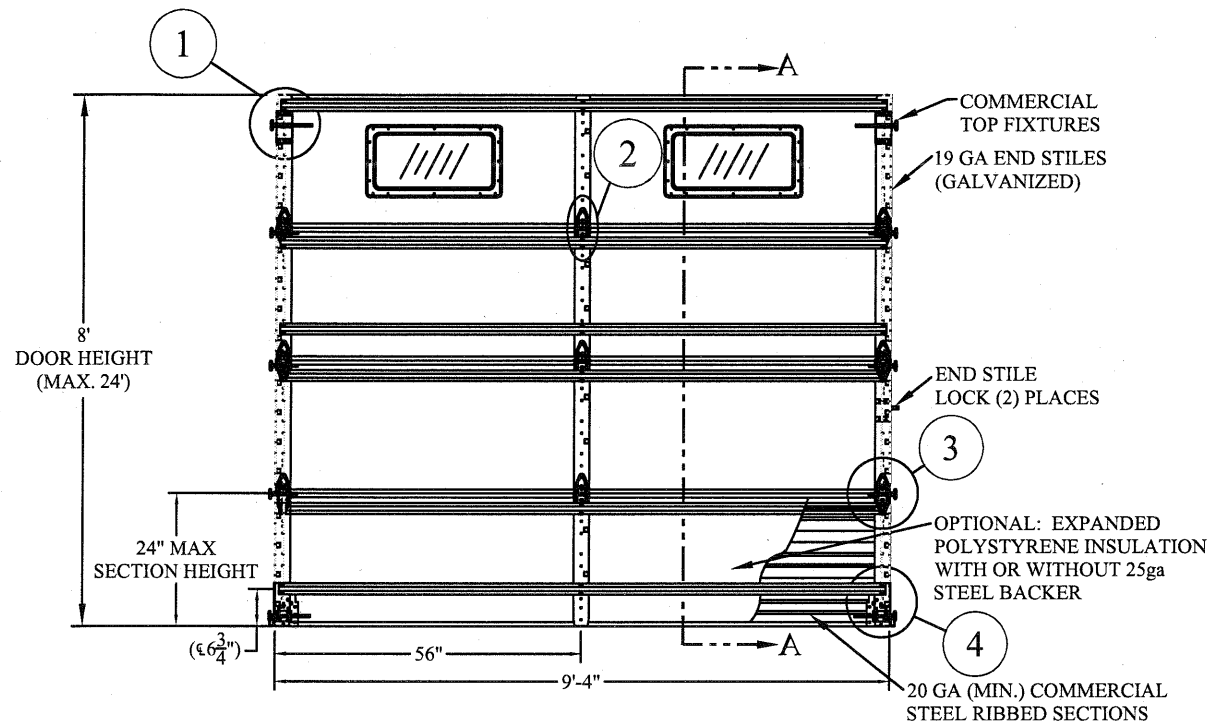
TYPICAL END HINGE
N.T.S. 3



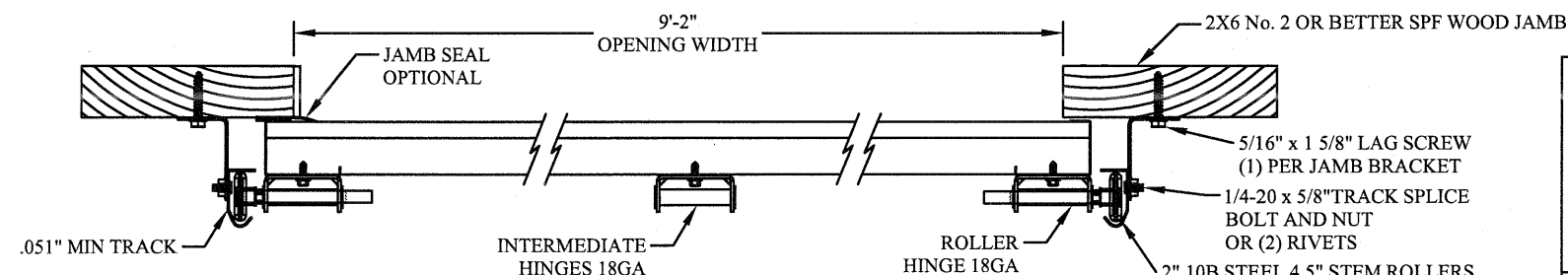
TYPICAL BOTTOM BRACKET
N.T.S. 4



STEEL SECTION
PROFILE



DOOR INTERIOR ELEVATION
N.T.S.



2" BRACKET MOUNT TO WOOD JAMB DETAIL

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES 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 END ZONE, ROOF SLOPE 10° OR LESS):

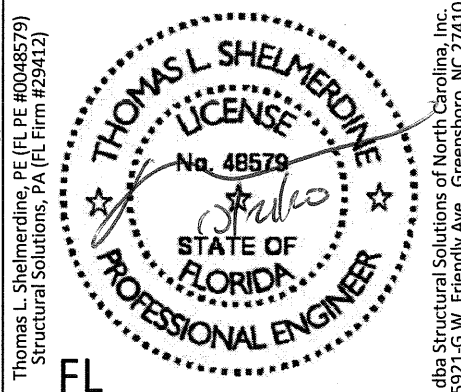
WIND SPEED (MPH)	194	176	168	160	154
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
-----	--------------------------	------	----

MAX SIZE
9'4" x 24'

DESIGN LOADS
+32.5 PSF
-38.1 PSF

TEST LOADS
+48.8 PSF
-57.2 PSF



Amarr

MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	DRD	DATE	6/4/18	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	7/25/18	IBC-2009-150-11-R

ENTREMATICS
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 4

1/8" NOM X 1" LONG
FILLET WELD (E60xx
ELECTRODES MIN.)

1/4" LONG TACK WELD
SAME SPACING AS
FILLET WELD

(1)

LD

2000 PSI MIN.
CONCRETE

SIMPSON STRONG-TIE 3/8"Ø
WEDGE-ALL EXPANSION
ANCHOR WITH 7/8"Ø WASHER.
1-3/4" MIN. EMBEDMENT

2-5/8" THICK
WALL MIN.
(1.5 x EMBEDMENT)

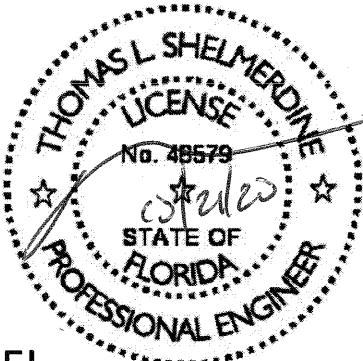
3" MIN. EDGE
DISTANCE

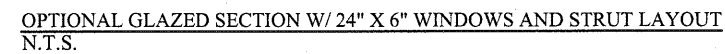
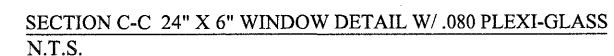
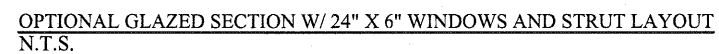
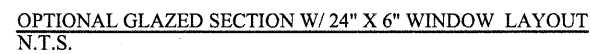
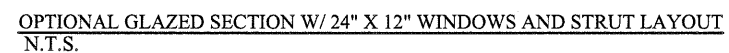
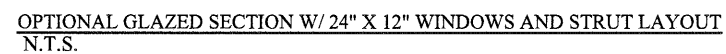
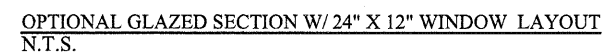
2000 PSI MIN. CONCRETE

SIMPSON STRONG-TIE 3/8"Ø SLEEVE-ALL EXPANSION ANCHOR WITH 7/8"Ø WASHER. 1-3/4" MIN. EMBEDMENT

2-5/8" THICK WALL MIN. (1.5 x EMBEDMENT)

3" MIN. EDGE DISTANCE

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'4" x 24' DESIGN LOADS +32.5 PSF -38.1 PSF TEST LOADS +48.8 PSF -57.2 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 2000 AMARR 2002, 2012, 2022			
SIZE B	DRAWN BY B	DRD RLR	DATE 6/4/18 DATE 7/25/18
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105		DRAWING NUMBER IBC-2009-150-11-R SHEET 2 OF 4	



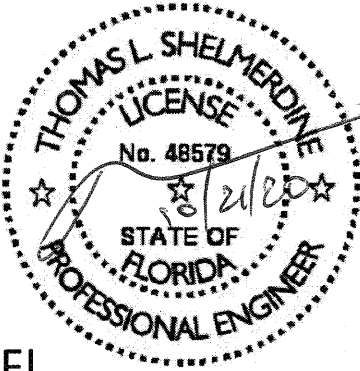
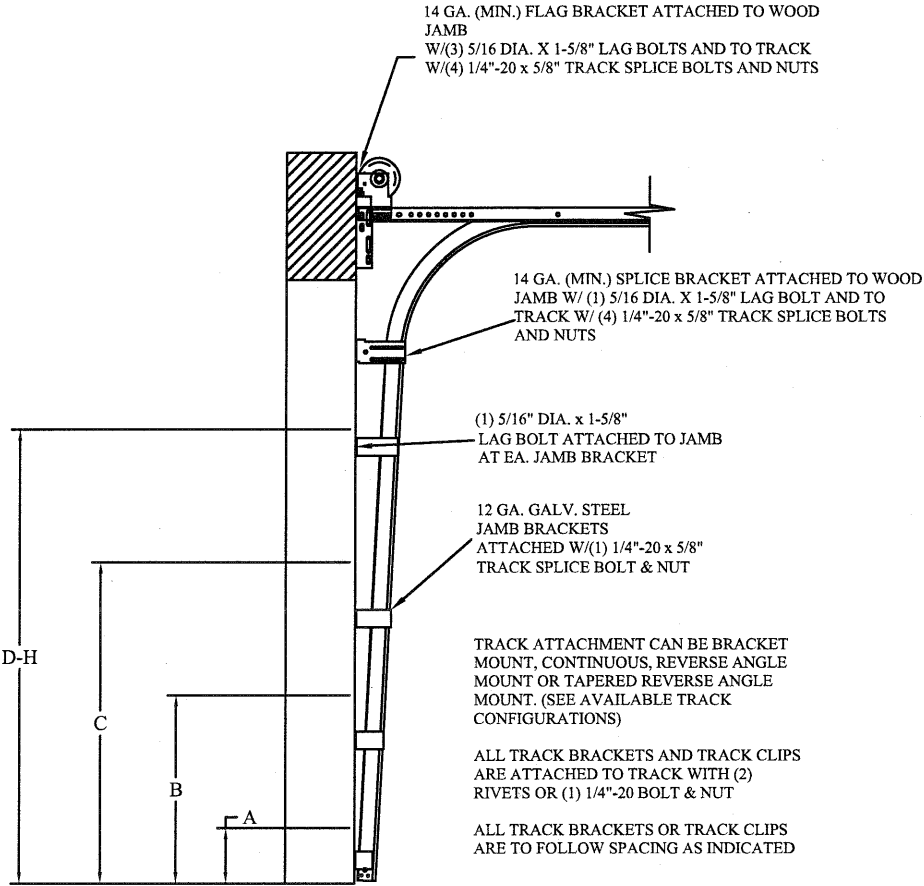
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'4" x 24' DESIGN LOADS +32.5 PSF -38.1 PSF TEST LOADS +48.8 PSF -57.2 PSF		 Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 2000 AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	DRD	DATE 6/4/18
B	CHECKED BY	DLJ	DATE 7/25/18
ENTREMATIC			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IBC-2009-150-11-R
			SHEET 3 OF 4

TABLE 1

Section	Center Stile	Max Design Loads Allowed	
Width (ft)	1st (in)	Positive (PSF)	Negative (PSF)
6' 0	36"	50.2	58.9
6' 2	37"	48.9	57.3
6' 4	38"	47.6	55.8
6' 6	39"	46.4	54.4
6' 8	40"	45.3	53.0
6' 10	41"	44.1	51.7
7' 0	42"	43.1	50.5
7' 2	43"	42.1	49.4
7' 4	44"	41.1	48.2
7' 6	45"	40.2	47.2
7' 8	46"	39.3	46.1
7' 10	47"	38.5	45.1
8' 0	48"	37.7	44.2
8' 2	49"	36.9	43.3
8' 4	50"	36.2	42.4
8' 6	51"	35.4	41.6
8' 8	52"	34.8	40.8
8' 10	53"	34.1	40.0
9' 0	54"	33.5	39.3
9' 2	55"	32.8	38.5
9' 4	56"	32.5	38.1

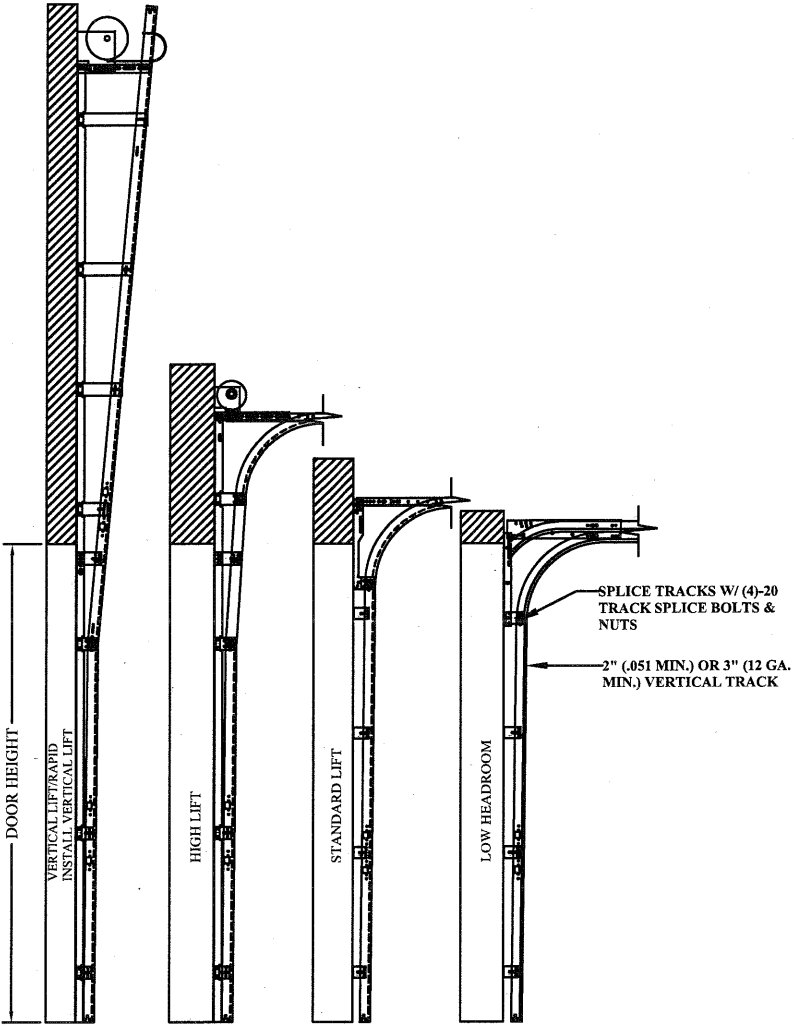


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

TABLE 2

DOOR HEIGHT		TRACK ATTACHMENT												TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	L	
7'	0"	10"	34"	58"										76"
7'	6"	10"	34"	58"										82"
8'	0"	10"	34"	58"										88"
8'	6"	10"	34"	58"	70"									94"
9'	0"	10"	34"	58"	70"									100"
9'	6"	10"	34"	58"	70"	94"								106"
10'	0"	10"	34"	58"	70"	94"								112"
11'	0"	10"	34"	58"	70"	94"								124"
12'	0"	10"	34"	58"	70"	94"	118"							136"
13'	0"	10"	34"	58"	70"	94"	118"							148"
14'	0"	10"	34"	58"	70"	94"	118"	142"						160"
15'	0"	10"	34"	58"	70"	94"	118"	142"						172"
16'	0"	10"	34"	58"	70"	94"	118"	142"	166"					184"
17'	0"	10"	34"	58"	70"	94"	118"	142"	166"					196"
18'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				208"
19'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				220"
20'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			232"
21'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			244"
22'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		256"
23'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		268"
24'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"	262"	280"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'4 x 24'

DESIGN LOADS
+32.5 PSF
-38.1 PSF

TEST LOADS
+48.8 PSF
-57.2 PSF

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

THOMAS L. SHELMERDINE
LICENSE
No. 48579
20/21/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

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

Amarr

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SIZE B	DRAWN BY 	DRD 	DATE 6/4/18	DRAWING NUMBER IBC-2009-150-11-R
	CHECKED BY 	DLJ 	DATE 7/25/18	

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SHEET 4 OF 4