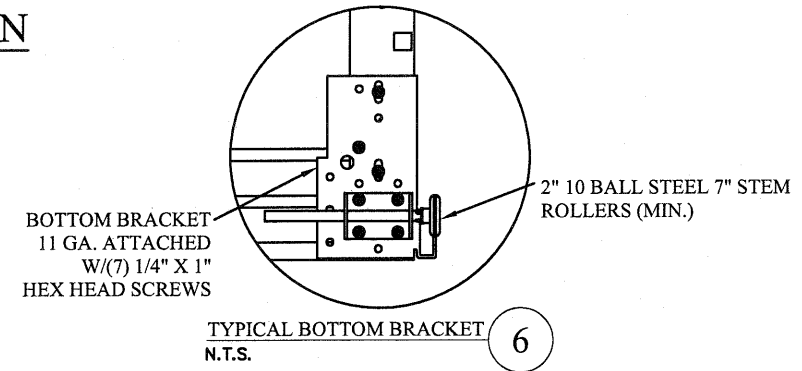
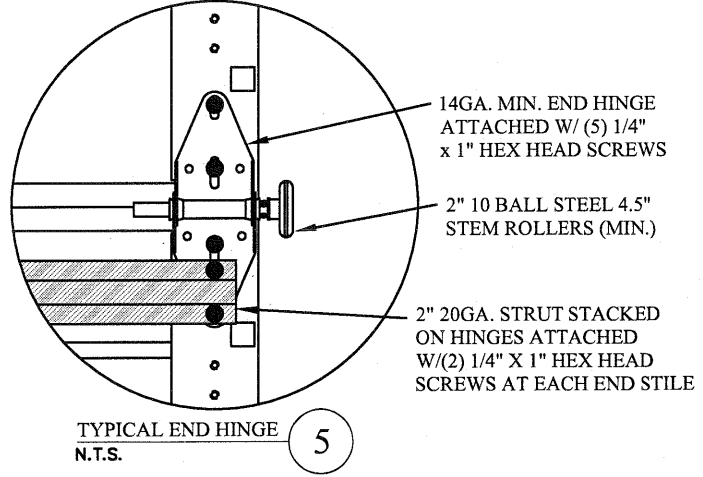
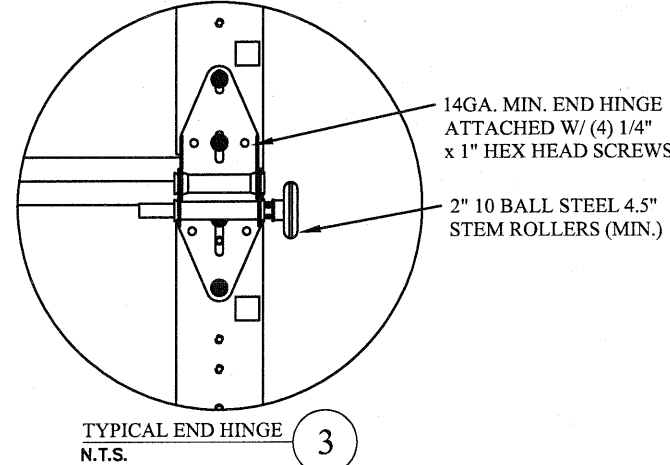
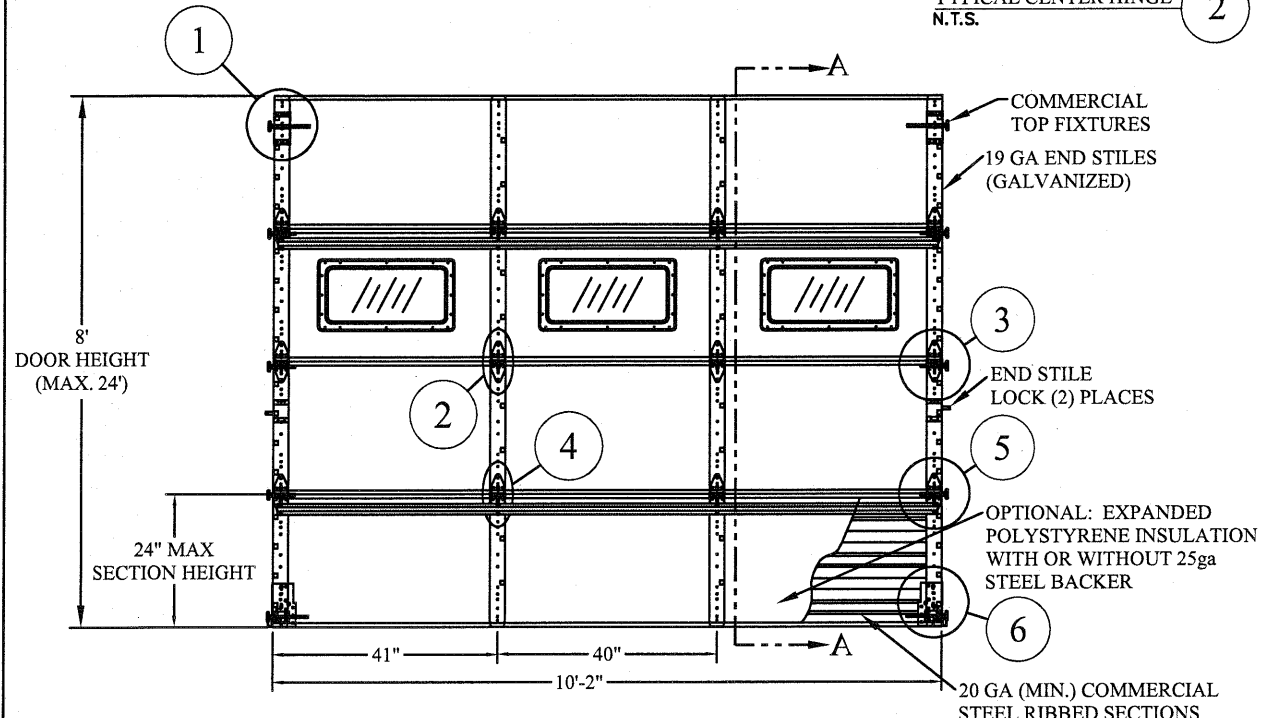
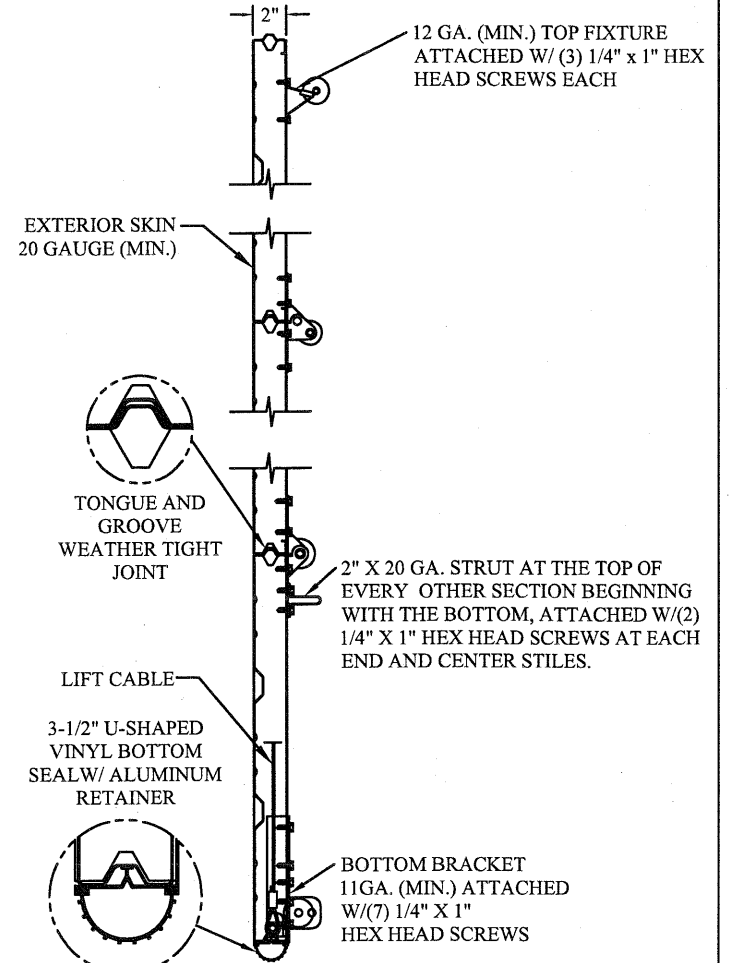
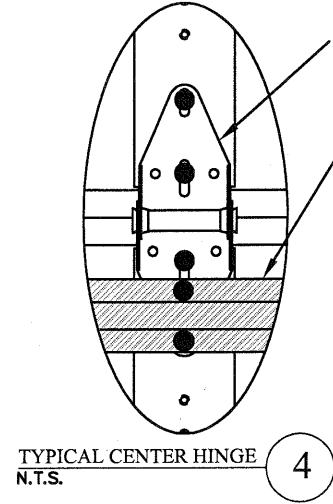
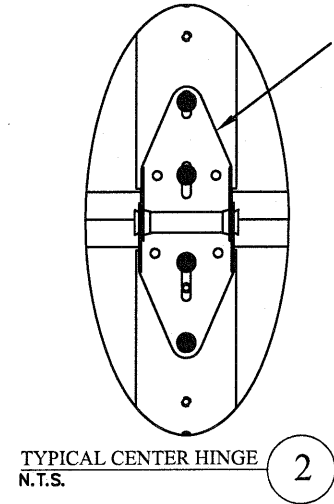
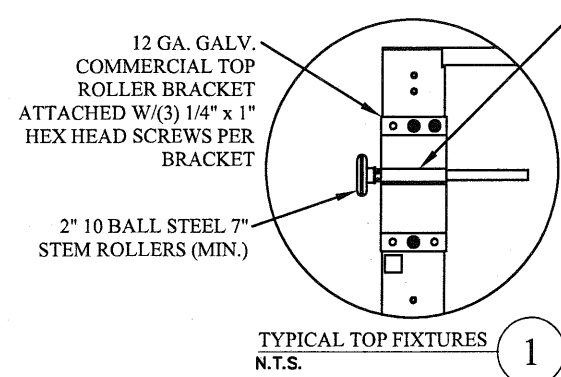


THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10' OR LESS):

WIND SPEED (MPH)	135	122	116	111	106
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
10'2" x 24'

DESIGN LOADS
+15.5 PSF
-18.0 PSF

TEST LOADS
+23.3 PSF
-27.0 PSF

FL

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

MODEL 2000 AMARR 2002, 2012, 2022

SIZE B	DRAWN BY DRD	DATE 9/12/18	DRAWING NUMBER IBC-2010-104-11
	CHECKED BY DLJ	DATE 12/18/18	

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

SHEET 1 OF 4

ITW BUILDDEX 1/4"-14 X 3/4"
SELF-TAPPING SCREWS
(TEKS)

12 GA. OR 3/16" STEEL
(SEE BELOW)

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

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

The diagram shows a cross-section of a fillet weld joint between two plates. A fillet weld is shown with a hatched pattern. A dimension line indicates the weld length is 1/8" NOM X 1" LONG. A label points to the weld with the text 'FILLET WELD (E60xx ELECTRODES MIN.)'. Another dimension line indicates the tack weld length is 1/4" LONG. A label points to the tack weld with the text '1/4" LONG TACK WELD SAME SPACING AS FILLET WELD'. The diagram also shows a vertical plate and a horizontal plate with a fillet weld joint. A dimension line indicates the distance between the tack welds is 1/4" LONG. A label points to the dimension with the text '1/4" LONG'. The diagram also shows a vertical plate and a horizontal plate with a fillet weld joint. A dimension line indicates the distance between the tack welds is 1/4" LONG. A label points to the dimension with the text '1/4" LONG'.

Technical drawing showing a cross-section of a concrete wall and a steel beam connection. The wall is labeled "2000 PSI MIN. CONCRETE". The connection is labeled "SIMPSON STRONG-TIE 3/8\"
 WEDGE-ALL EXPANSION ANCHOR WITH 7/8\"
 1-3/4\" MIN. EMBEDMENT". The wall thickness is labeled "2-5/8\" THICK WALL MIN. (1.5 x EMBEDMENT)". The edge distance is labeled "3\" MIN. EDGE DISTANCE".

2000 PSI MIN.
CONCRETE

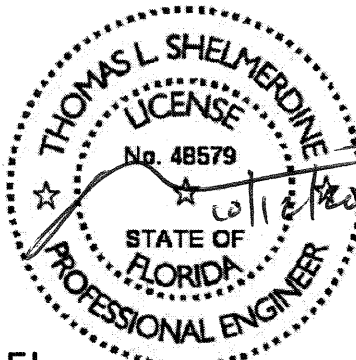
SIMPSON STRONG-TIE 3/8"Ø
SLEEVE-ALL EXPANSION
ANCHOR WITH 7/8"Ø WASHER.
1-3/4" MIN. EMBEDMENT

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

3" MIN. EDGE
DISTANCE

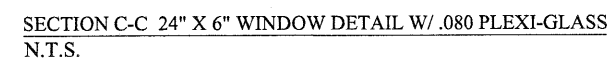
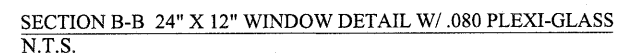
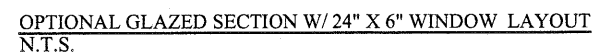
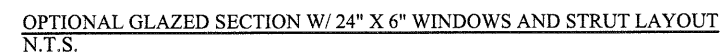
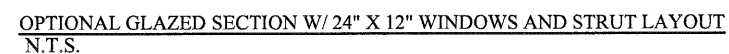
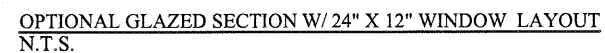
A cross-sectional diagram of a wall and floor assembly. The wall is on the left, and the floor is on the right. A horizontal line represents the floor joist. A vertical line represents the wall. A gap of 1 inch is shown between the wall and the floor joist. The gap is filled with a material, likely insulation or a sealant. The diagram is labeled with a dimension line indicating the 1-inch gap.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 10'2" x 24' DESIGN LOADS +15.5 PSF -18.0 PSF TEST LOADS +23.3 PSF -27.0 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
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MODEL 2000 AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	DRD	DATE 9/12/18
B	CHECKED BY	DLJ	DATE 12/18/18
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2010-104-11
SHEET 2 OF 4			SHEET 2 OF 4



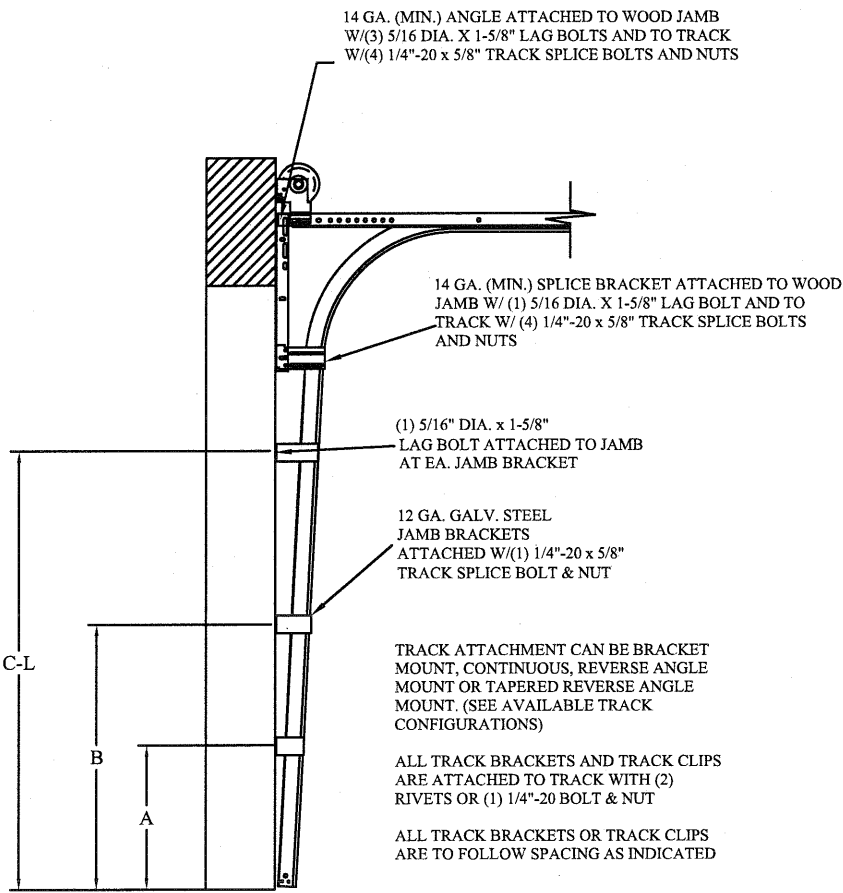
REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 10'2" x 24' DESIGN LOADS +15.5 PSF -18.0 PSF TEST LOADS +23.3 PSF -27.0 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc.
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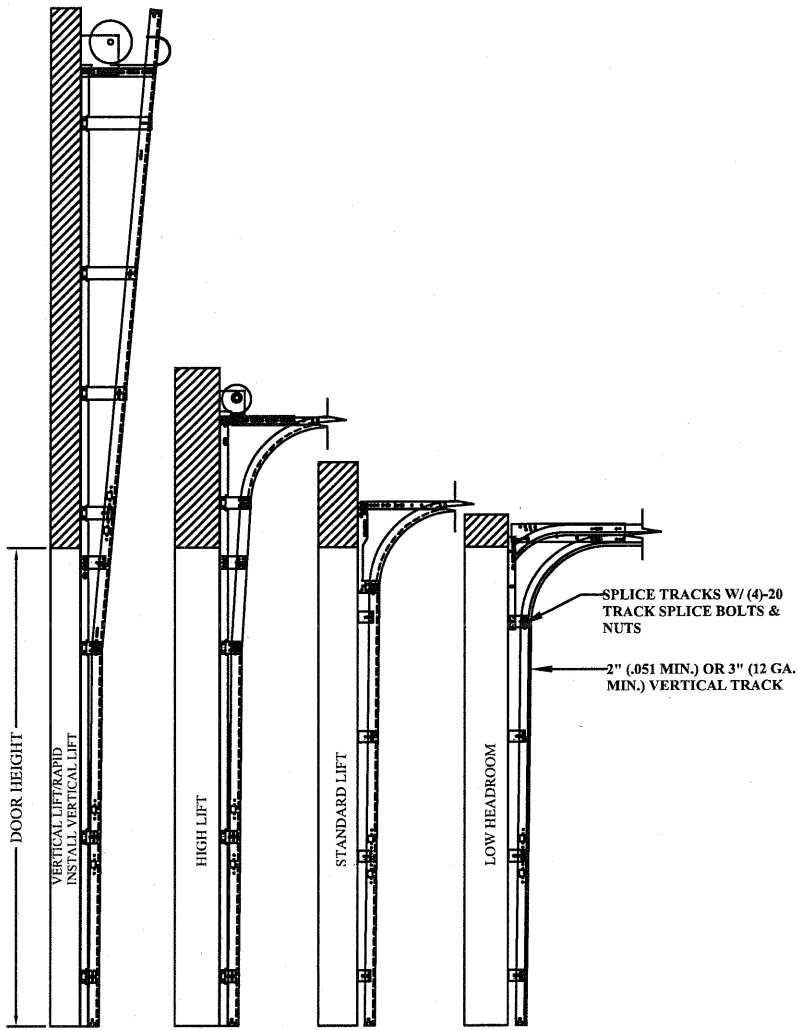
MODEL 2000 AMARR 2002, 2012, 2020			
SIZE B	DRAWN BY DRD	DATE 9/12/18	DRAWING NUMBER IBC-2010-104-11
	CHECKED BY DLJ	DATE 12/18/18	
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4

TABLE 1

Section Width (ft)	Center Stile Locations		Max Design Loads Allowed	
	1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	17.4	20.2
6'	2"	37"	16.9	19.7
6'	4"	38"	16.5	19.1
6'	6"	39"	16.0	18.6
6'	8"	40"	15.6	18.2
6'	10"	41"	15.3	17.7
7'	0"	42"	14.9	17.3
7'	2"	43"	14.5	16.9
7'	4"	44"	14.2	16.5
7'	6"	45"	13.9	16.2
7'	8"	46"	13.6	15.8
7'	10"	47"	13.3	15.5
8'	0"	48"	13.0	15.1
8'	2"	49"	12.8	14.8
8'	4"	50"	12.5	14.5
8'	6"	51"	12.3	14.2
8'	8"	52"	12.0	14.0
8'	10"	53"	11.8	13.7
9'	0"	54"	11.6	13.5
9'	2"	55"	11.4	13.2
9'	4"	36"	76"	16.4
9'	6"	37"	77"	16.2
9'	8"	38"	78"	16.0
9'	10"	39"	79"	15.8
10'	0"	40"	80"	15.6
10'	2"	41"	81"	15.5



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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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.

REVDESCRIPTION OF REVISIONSDATEBY

MAX. SIZE
10'2" x 24'

DESIGN LOADS
+15.5 PSF
-18.0 PSF

TEST LOADS
+23.3 PSF
-27.0 PSF

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

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

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5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 2000 AMARR 2002, 2012, 2022

SIZE
B

DRAWN BY
DRD

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DLJ

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

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SHEET 4 OF 4