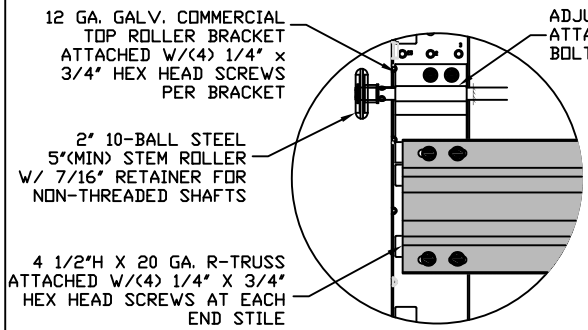
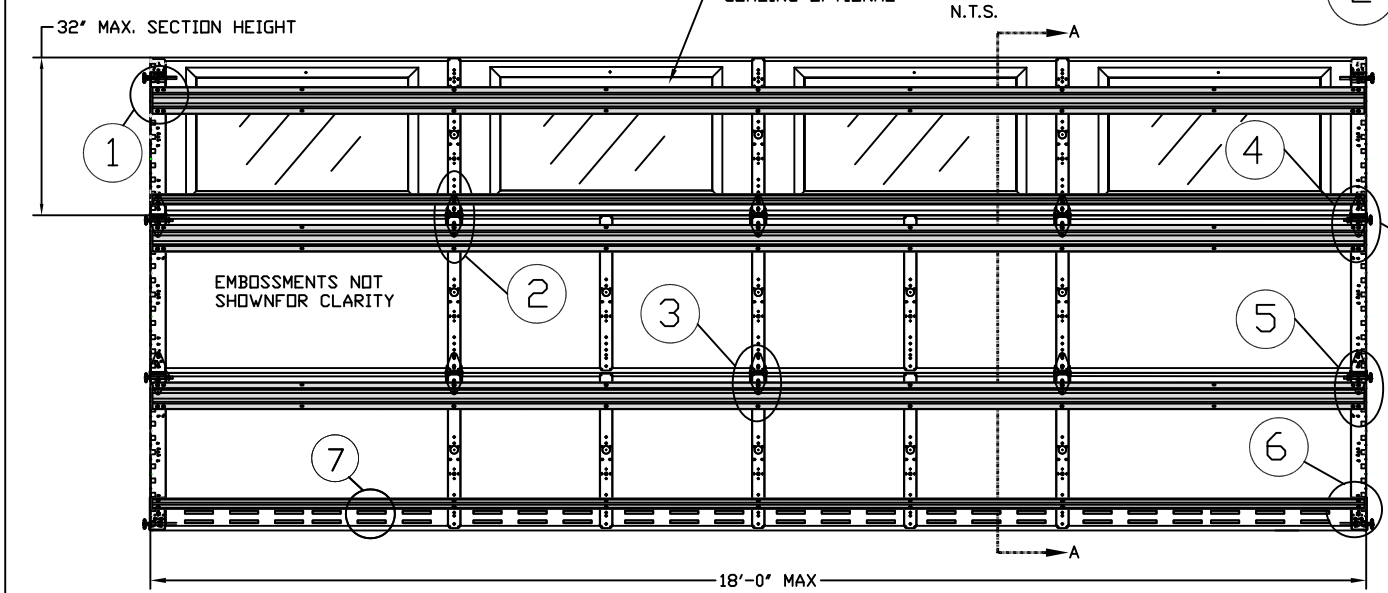
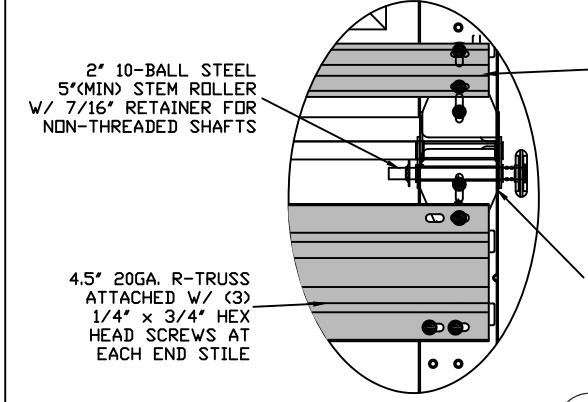




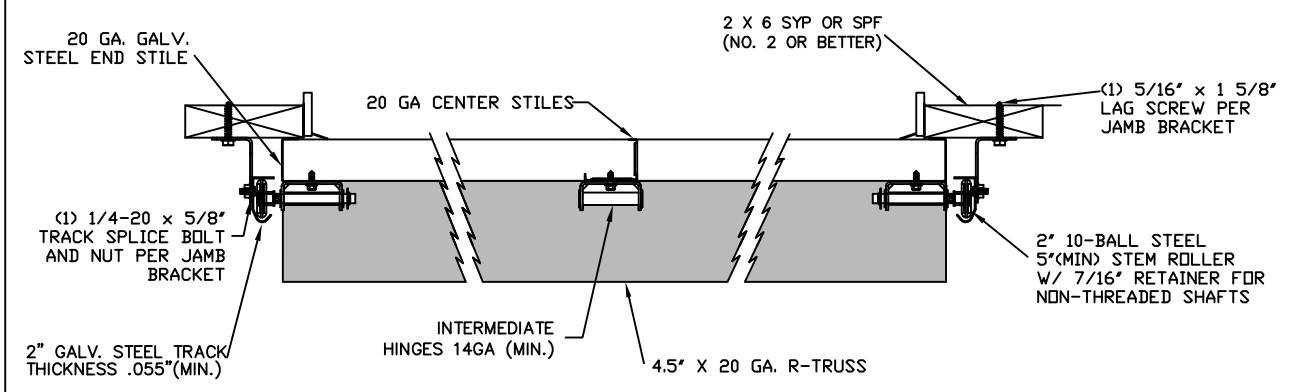
TYPICAL TOP FIXTURES
N.T.S.



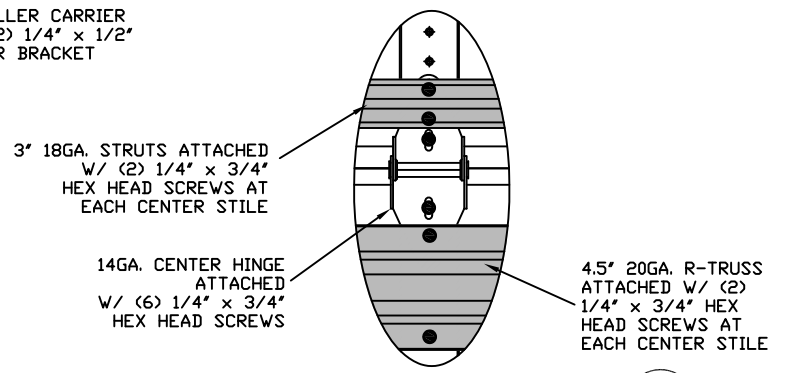
INSIDE ELEVATION
N.T.S.



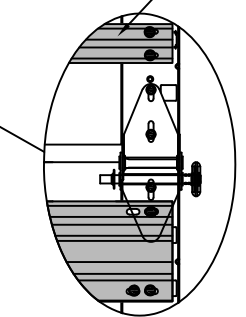
GLAZED SECTION END HINGE
N.T.S.



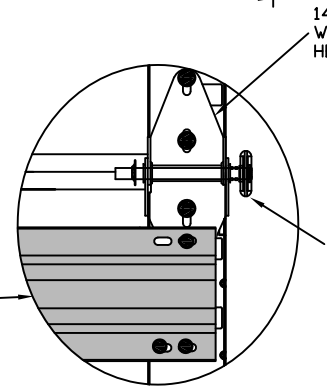
TRACK MOUNTING DETAIL
N.T.S.



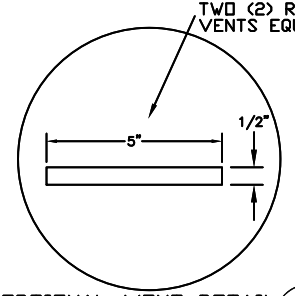
TYPICAL CENTER HINGE
N.T.S.



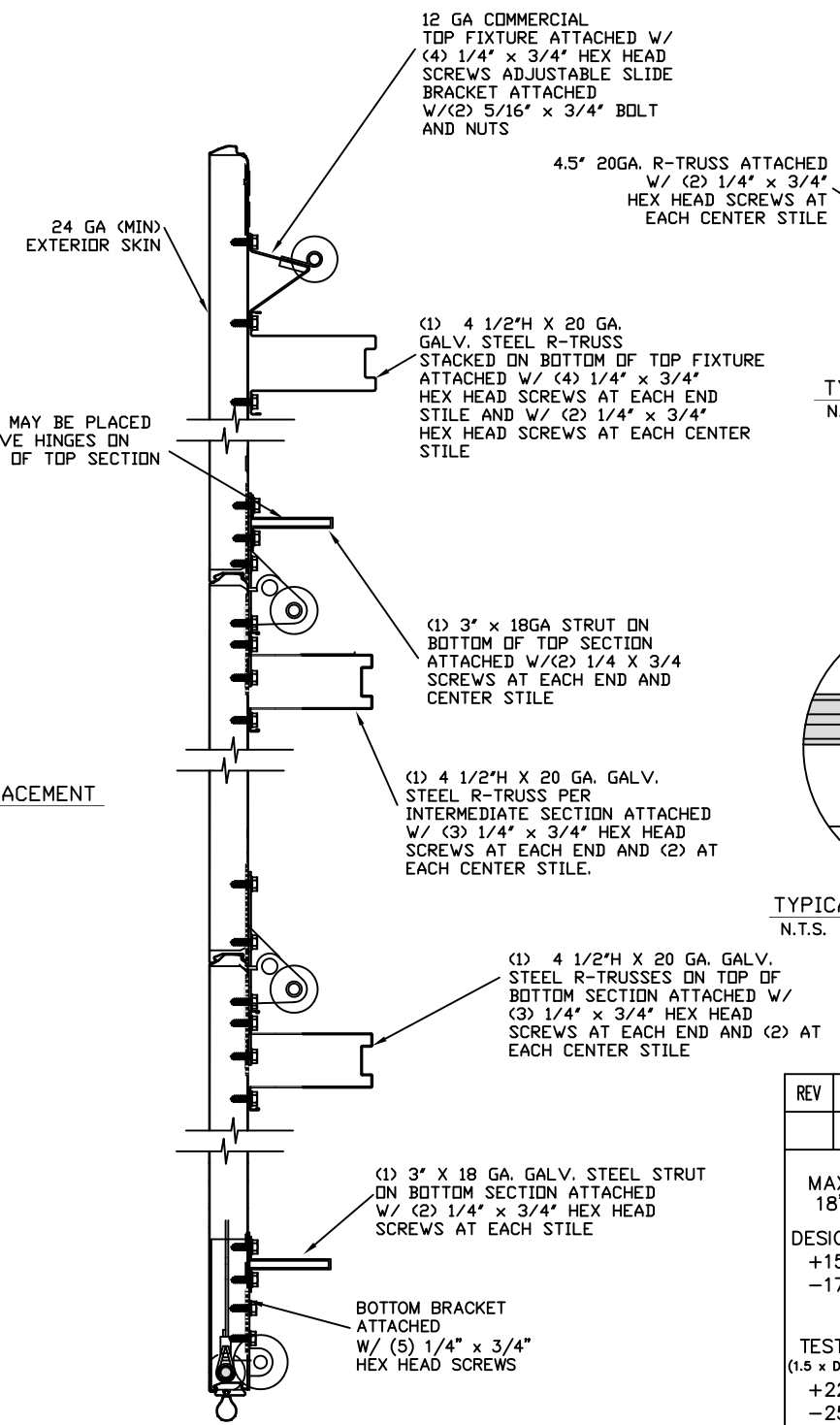
OPTIONAL STRUT PLACEMENT
N.T.S.



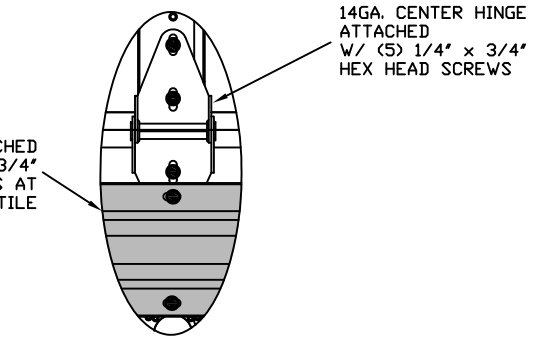
TYPICAL END HINGE
N.T.S.



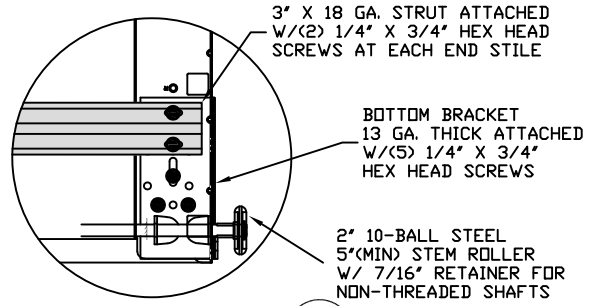
OPTIONAL VENT DETAIL
N.T.S.



SECTION A-A (SIDE VIEW)



TYPICAL CENTER HINGE
N.T.S.



TYPICAL BOTTOM BRACKET
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+22.5 PSF
-25.5 PSF

THOMAS L. SHELMERDINE
No. 48579
See Digital Signature
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=A01410D000001856487A7B 100125CE2, cn=Thomas L. Shelmerdine
Date: 2023.09.25 13:32:25 -04'00'

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

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)	130	118	112	107	103
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

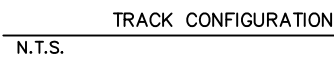
Amarr

MODEL #500
AMARR CLASSICA 1000, 2000

SIZE B	DRAWN BY DLJ	DATE 06/29/2020	DRAWING NUMBER IRC-5318-100-24
CHECKED BY RLR	DATE 06/30/2020	AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105	

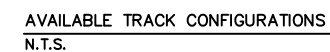
SHEET 1 OF 3

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



SPECIFICATIONS AND NOTES

-
- Diagram illustrating the design loads and dimensions for a garage floor cross-section:
- INTERIOR OF GARAGE** (Top label)
 - MAX. WIDTH 18'0"** (Dimension across the top of the floor)
 - DESIGN LOADS** (Left side label):
 - +135.0 LBS/FT
 - 153.0 LBS/FT
 - SEE NOTE 2** (Bottom center label)



The diagram illustrates four cross-sections of door jamb installation into different building materials. Each section shows a 2x6 jamb with a diagonal brace and a specific embedment length into the structure. The embedment length is indicated by a vertical arrow on the left, and the spacing between the jamb and the structure is indicated by a horizontal arrow at the bottom.

- WOOD STRUCTURE:** The jamb is embedded into a wood structure. The embedment length is 1 1/2" MIN. The spacing between the jamb and the structure is 2-3/4" MIN.
- CONCRETE STRUCTURE:** The jamb is embedded into a concrete structure. The embedment length is 1 1/2" MIN. The spacing between the jamb and the structure is 3" MIN.
- HOLLOW BLOCK STRUCTURE:** The jamb is embedded into a hollow block structure. The embedment length is 1 1/2" MIN. The spacing between the jamb and the structure is 3" MIN.
- GROUTED BLOCK STRUCTURE:** The jamb is embedded into a grouted block structure. The embedment length is 1 1/2" MIN. The spacing between the jamb and the structure is 4" MIN.

Labels in the diagram include "EMBEDMENT" (vertical arrow), "WOOD STRUCTURE", "CONCRETE STRUCTURE", "HOLLOW BLOCK STRUCTURE", "GROUTED BLOCK STRUCTURE", "1 1/2" MIN", "2-3/4" MIN", "1 1/2" MIN", "3" MIN", "4" MIN", and "2X6 JAMB TYP." (pointing to the jamb).

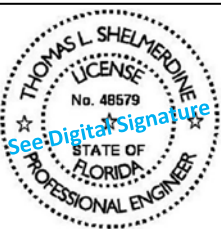
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS (1.5 x DESIGN LOADS) +22.5 PSF -25.5 PSF		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, 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 06/29/2020	DRAWING NUMBER
B	CHECKED BY RLR	DATE 06/30/2020	IRC-5318-100-24
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"
4TH	4.5"
3RD	4.5"
2ND	4.5"
BOTTOM	4.5"
	3"

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT							SPLICE S
	A	B	C	D	E	F	G	
8'	10"	34"	58"					88"
8' 6"	10"	34"	58"					94"
9'	10"	34"	58"	75"				100"
9' 6"	10"	34"	58"	75"				106"
10'	10"	34"	58"	75"				112"
10' 6"	10"	34"	58"	75"	95"			118"
11'	10"	34"	58"	75"	95"			124"
11' 6"	10"	34"	58"	75"	95"			130"
12'	10"	34"	58"	75"	95"	112"		136"
12'6"	10"	34"	58"	75"	95"	112"		142"
13'	10"	34"	58"	75"	95"	112"		148"
13' 6"	10"	34"	58"	75"	95"	112"	132"	154"
14'	10"	34"	58"	75"	95"	112"	132"	160"

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

TABLE 3

Section	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
	1st (in)	2st (in)	3rd (in)	4th (in)		Positive (PSF)	Negative (PSF)
09' 2	28.13	55.00	81.88			14.7	16.6
09' 4	28.63	56.00	83.38			14.4	16.3
09' 6	29.13	57.00	84.88			14.2	16.0
09' 8	29.63	58.00	86.38			13.9	15.8
09' 10	30.13	59.00	87.88			13.7	15.5
10' 0	30.63	60.00	89.38			13.5	15.2
10' 2	31.13	61.00	90.88			13.2	15.0
10' 4	31.63	62.00	92.38			13.0	14.8
10' 6	32.13	63.00	93.88			12.8	14.5
10' 8	32.63	64.00	95.38			12.6	14.3
10' 10	33.13	65.00	96.88			12.4	14.1
11' 0	33.63	66.00	98.38			12.2	13.9
11' 2	34.13	67.00	99.88			12.0	13.7
11' 4	34.63	68.00	101.38			11.9	13.5
11' 6	35.13	69.00	102.88			11.7	13.3
11' 8	35.63	70.00	104.38			11.5	13.1
11' 10	36.13	71.00	105.88			11.4	12.9
12' 0	24.625	48.31	72	95.688	119.38	16.9	19.1
12' 2	25.125	49.06	73	96.938	120.88	16.7	18.9
12' 4	25.625	49.81	74	98.188	122.38	16.4	18.6
12' 6	26.125	50.56	75	99.438	123.88	16.2	18.4
12' 8	26.625	51.31	76	100.69	125.38	16.0	18.2
12' 10	27.125	52.06	77	101.94	126.88	15.8	17.9
13' 0	27.625	52.81	78	103.19	128.38	15.6	17.7
13' 2	28.125	53.56	79	104.44	129.88	15.5	17.5
13' 4	28.625	54.31	80	105.69	131.38	15.3	17.3
13' 6	29.125	55.06	81	106.94	132.88	15.1	17.1
13' 8	29.625	55.81	82	108.19	134.38	14.9	16.9
13' 10	30.125	56.56	83	109.44	135.88	14.8	16.7
14' 0	30.625	57.31	84	110.69	137.38	14.6	16.5
14' 2	31.125	58.06	85	111.94	138.88	14.4	16.3
14' 4	31.625	58.81	86	113.19	140.38	14.3	16.2
14' 6	32.125	59.56	87	114.44	141.88	14.1	16.0
14' 8	32.625	60.31	88	115.69	143.38	14.0	15.8
14' 10	33.125	61.06	89	116.94	144.88	13.8	15.6
15' 0	33.625	61.81	90	118.19	146.38	13.7	15.5
15' 2	34.125	62.56	91	119.44	147.88	13.5	15.3
15' 4	34.625	63.31	92	120.69	149.38	13.4	15.2
15' 6	47.42	70.21	93.00	115.79	138.58	17.3	19.6
15' 8	48.02	71.01	94.00	116.99	139.98	17.1	19.4
15' 10	48.62	71.81	95.00	118.19	141.38	17.0	19.2
16' 0	48.42	72.21	96.00	119.79	143.58	16.8	19.0
16' 2	48.75	72.88	97.00	121.13	145.25	16.6	18.8
16' 4	49.08	73.54	98.00	122.46	146.92	16.4	18.6
16' 6	49.42	74.21	99.00	123.79	148.59	16.3	18.5
16' 8	49.92	74.96	100.00	125.04	150.09	16.1	18.3
16' 10	50.42	75.71	101.00	126.29	151.59	16.0	18.1
17' 0	50.92	76.46	102.00	127.54	153.09	15.8	17.9
17' 2	51.42	77.21	103.00	128.79	154.59	15.6	17.7
17' 4	51.92	77.96	104.00	130.04	156.09	15.5	17.6
17' 6	52.42	78.71	105.00	131.29	157.59	15.4	17.4
17' 8	52.92	79.46	106.00	132.54	159.09	15.2	17.2
17' 10	53.42	80.21	107.00	133.79	160.59	15.1	17.1
18' 0	53.92	80.96	108.00	135.04	162.09	15.0	17.0

SHADED BOXES INDICATE HINGE LOCATIONS

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS (1.5 x DESIGN LOADS) +22.5 PSF -25.5 PSF THOMAS L. SHELDERDINE LICENSE No. 48579 See Digital Signature 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			
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3