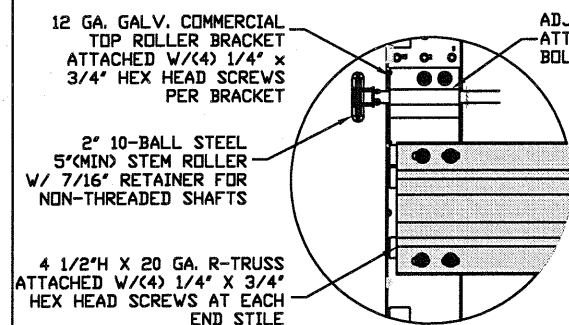
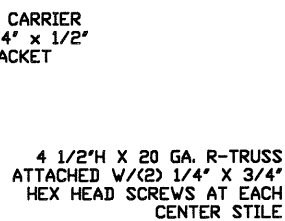
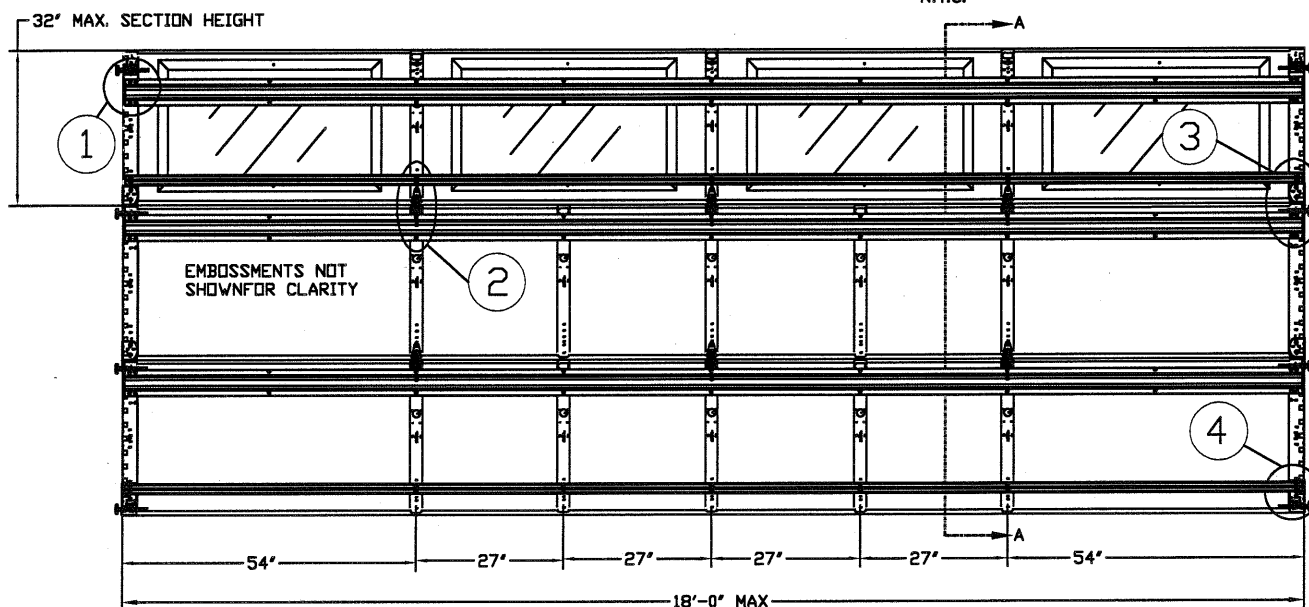




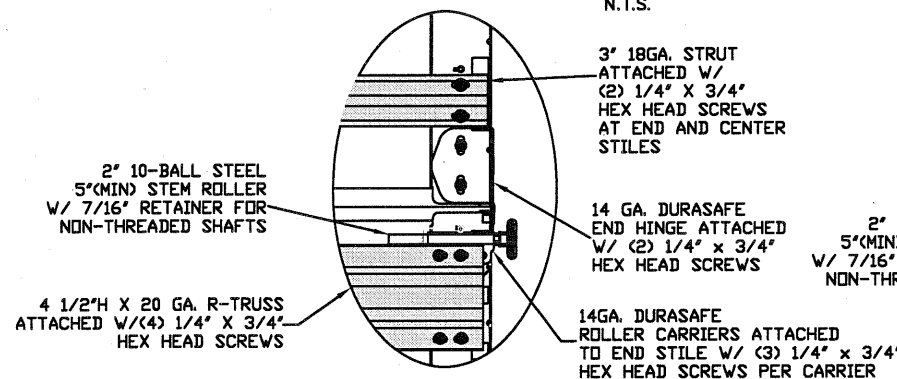
TYPICAL TOP FIXTURES
N.T.S.



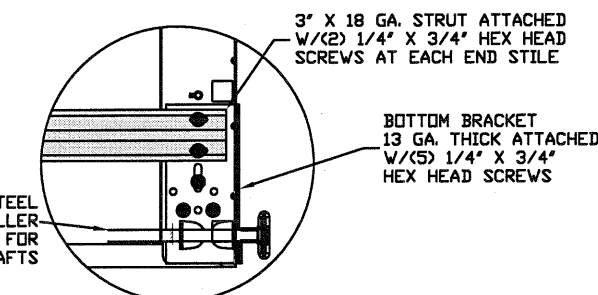
TYPICAL DURASAFE CENTER HINGE
N.T.S.



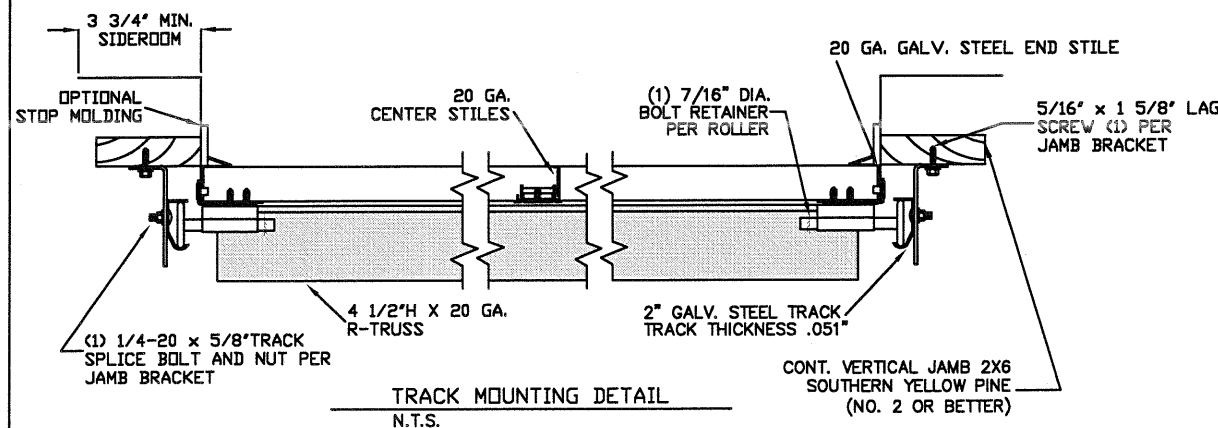
INSIDE ELEVATION
N.T.S.



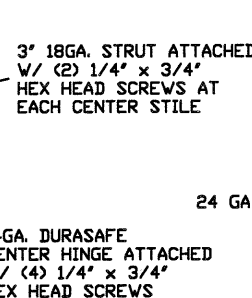
TYPICAL DURASAFE END HINGE
N.T.S.



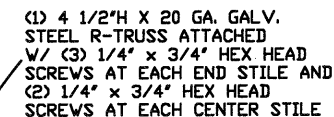
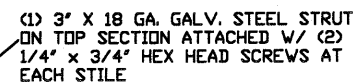
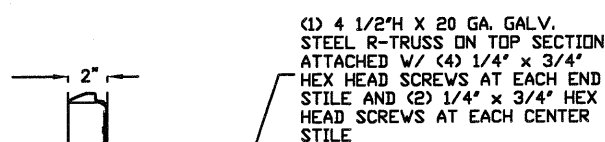
TYPICAL BOTTOM BRACKET
N.T.S.



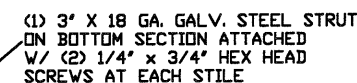
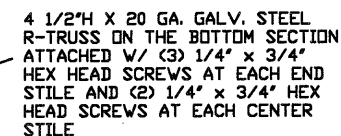
TRACK MOUNTING DETAIL
N.T.S.



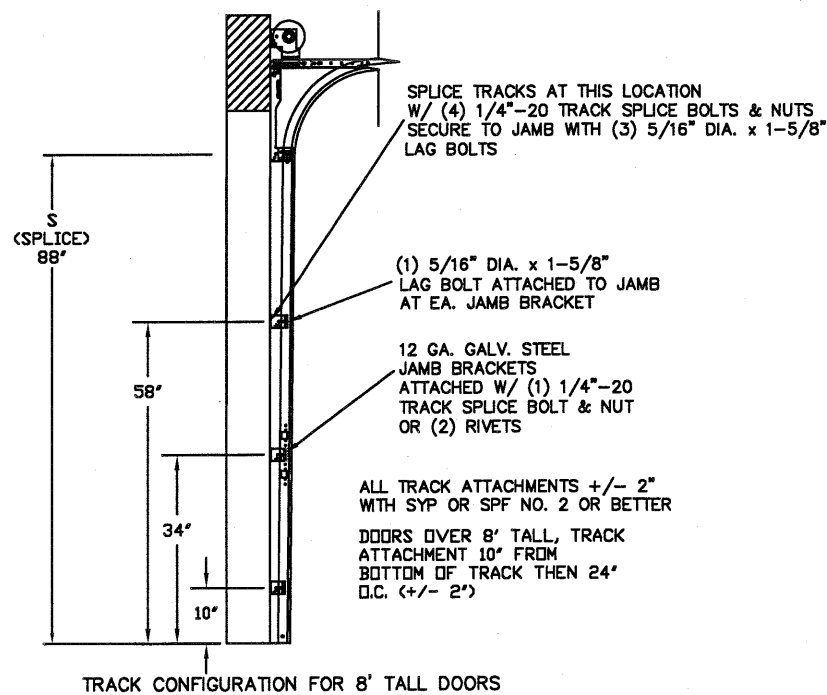
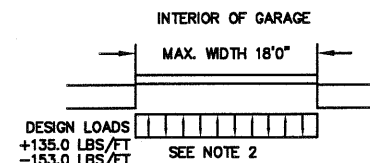
24 GA SKIN



END HINGE
14 GA.



SECTION A-A (SIDE VIEW)
N.T.S.



ALL TRACK ATTACHMENTS +/- 2\"/>

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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +135.0 LBS/FT & -153.0 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.

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

STATE OF FLORIDA

PROFESSIONAL ENGINEER

FL

Thomas L. Shelderdine, 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

Amarr

MODEL #500 AMARR CLASSICA 1000, 2000				
SIZE	DRAWN BY	RLR	DATE	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	11/01/17
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105				SHEET 1 OF 2

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 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

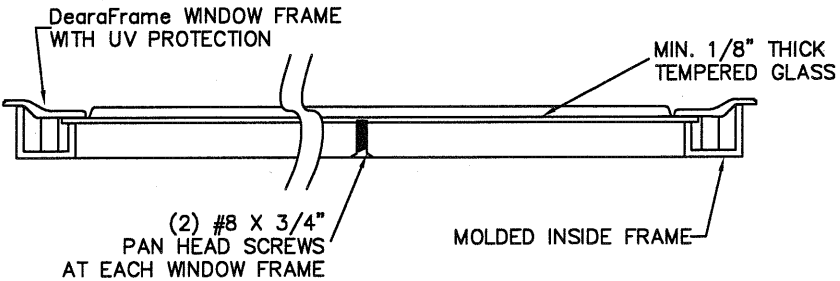
WIND SPEED (MPH)	130	118	112	107	103
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

TABLE 1

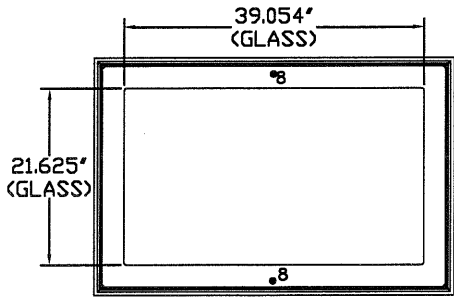
Section	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
09' 2		28.13	55.00	81.88		14.7	16.6
09' 4		28.63	56.00	83.38		14.4	16.3
09' 6		29.13	57.00	84.88		14.2	16.0
09' 8		29.63	58.00	86.38		13.9	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	16.9	19.1
12' 2		25.125	49.06	73	96.938	16.7	18.9
12' 4		25.625	49.81	74	98.188	16.4	18.6
12' 6		26.125	50.56	75	99.438	16.2	18.4
12' 8		26.625	51.31	76	100.69	16.0	18.2
12' 10		27.125	52.06	77	101.94	15.8	17.9
13' 0		27.625	52.81	78	103.19	15.6	17.7
13' 2		28.125	53.56	79	104.44	15.5	17.5
13' 4		28.625	54.31	80	105.69	15.3	17.3
13' 6		29.125	55.06	81	106.94	15.1	17.1
13' 8		29.625	55.81	82	108.19	14.9	16.9
13' 10		30.125	56.56	83	109.44	14.8	16.7
14' 0		30.625	57.31	84	110.69	14.6	16.5
14' 2		31.125	58.06	85	111.94	14.4	16.3
14' 4		31.625	58.81	86	113.19	14.3	16.2
14' 6		32.125	59.56	87	114.44	14.1	16.0
14' 8		32.625	60.31	88	115.69	14.0	15.8
14' 10		33.125	61.06	89	116.94	13.8	15.6
15' 0		33.625	61.81	90	118.19	13.7	15.5
15' 2		34.125	62.56	91	119.44	13.5	15.3
15' 4		34.625	63.31	92	120.69	13.4	15.2
15' 6		47.42	70.21	93.00	115.79	17.3	19.6
15' 8		48.02	71.01	94.00	116.99	17.1	19.4
15' 10		48.62	71.81	95.00	118.19	17.0	19.2
16' 0		48.42	72.21	96.00	119.79	16.8	19.0
16' 2		48.75	72.88	97.00	121.13	16.6	18.8
16' 4		49.08	73.54	98.00	122.46	16.4	18.6
16' 6		49.42	74.21	99.00	123.79	16.3	18.5
16' 8		49.92	74.96	100.00	125.04	16.1	18.3
16' 10		50.42	75.71	101.00	126.29	16.0	18.1
17' 0		50.92	76.46	102.00	127.54	15.8	17.9
17' 2		51.42	77.21	103.00	128.79	15.6	17.7
17' 4		51.92	77.96	104.00	130.04	15.5	17.6
17' 6		52.42	78.71	105.00	131.29	15.4	17.4
17' 8		52.92	79.46	106.00	132.54	15.2	17.2
17' 10		53.42	80.21	107.00	133.79	15.1	17.1
18' 0		53.92	80.96	108.00	135.04	15.0	17.0

GLAZING OPTION CROSS SECTION

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



SECTION B-B
N.T.S.



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.

TABLE 2

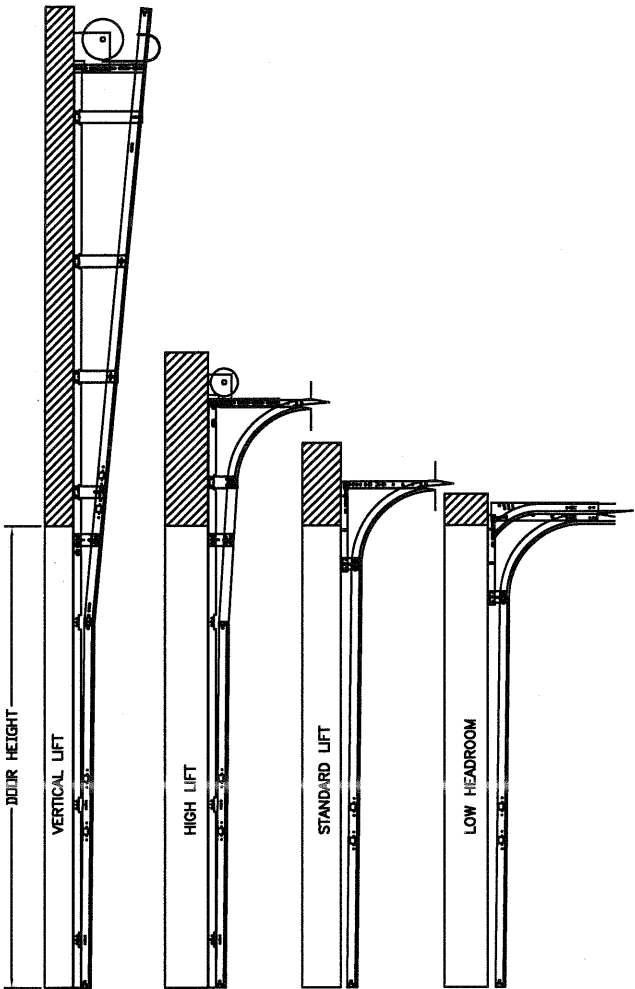
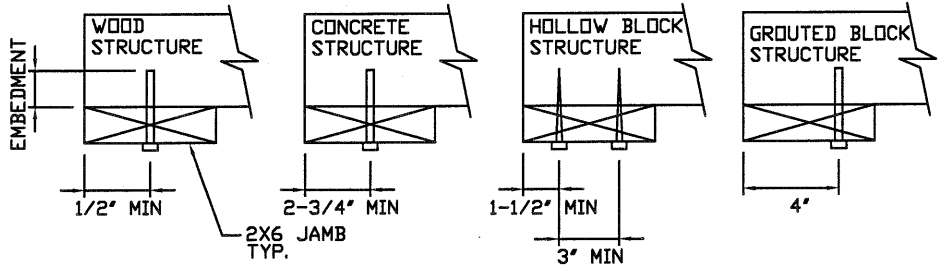
DOOR HEIGHT	TRACK ATTACHMENT							SPLICE S
	A	B	C	D	E	F	G	
8'	10"	34"	58"					88"
8' 6"	10"	34"	58"					94"
9'	10"	34"	58"	75"				100"
9' 6"	10"	34"	58"	75"				106"
10'	10"	34"	58"	75"				112"
10' 6"	10"	34"	58"	75"	95"			118"
11'	10"	34"	58"	75"	95"			124"
11' 6"	10"	34"	58"	75"	95"			130"
12'	10"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

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 24" 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 24" 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 24" 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 24" 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 24" 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



AVAILABLE TRACK CONFIGURATIONS
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, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

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PROFESSIONAL ENGINEER
FL

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

Amarr

MODEL #500
AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	RJR	DATE	11/01/17	DRAWING NUMBER
B	CHECKED BY	RJR	DATE	11/01/17	IRC-5318-100-24

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

SHEET 2 OF 2