

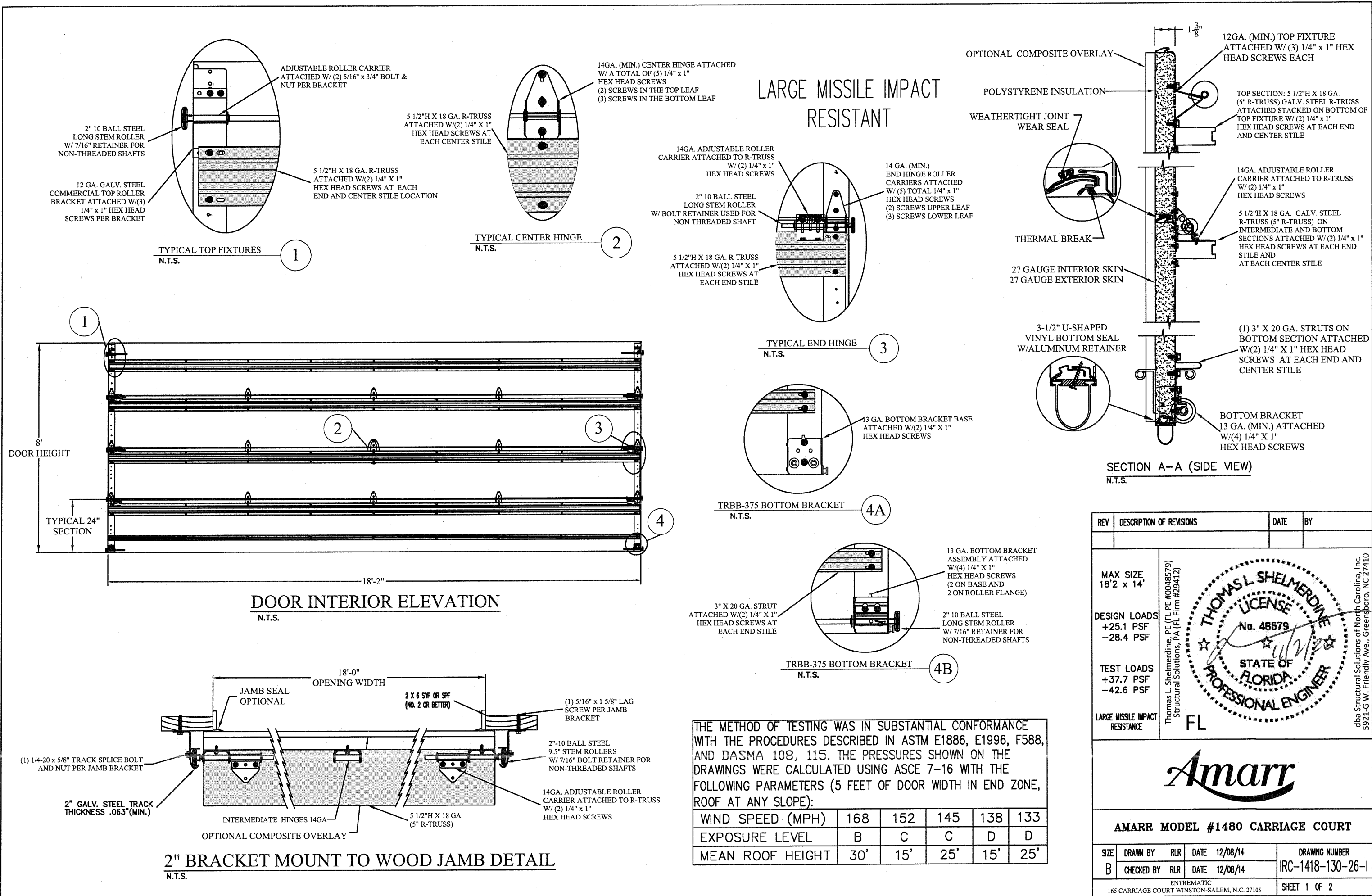


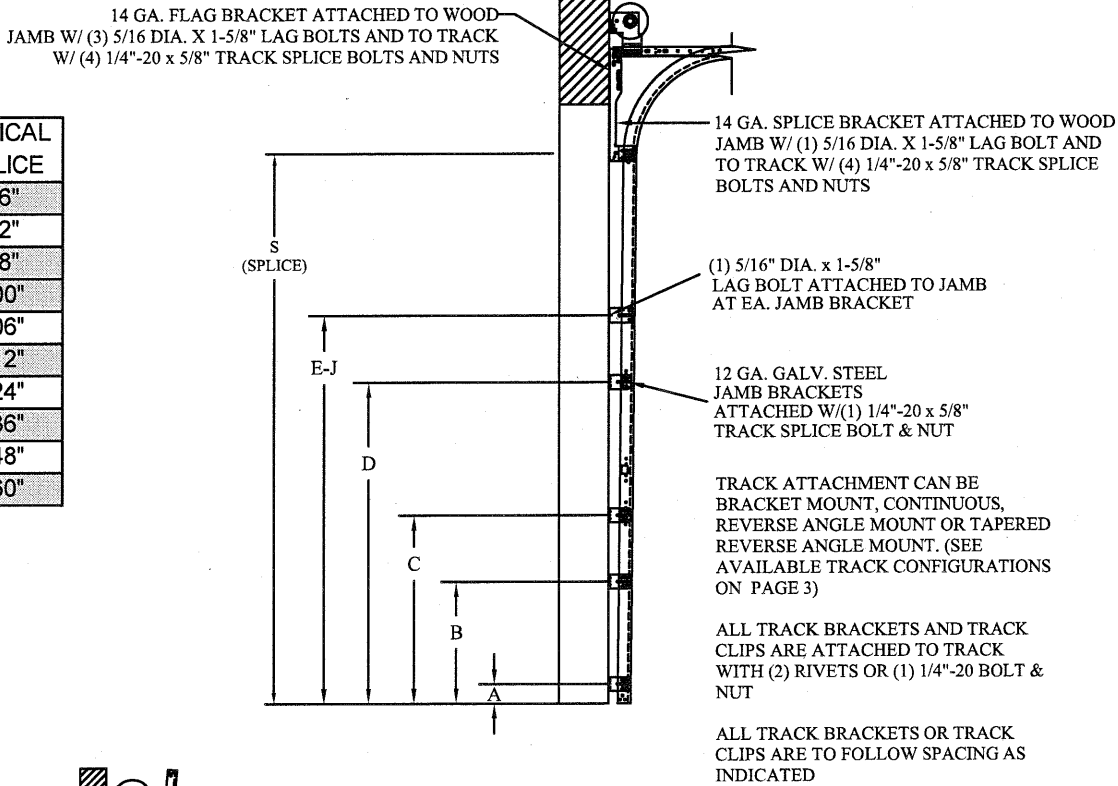
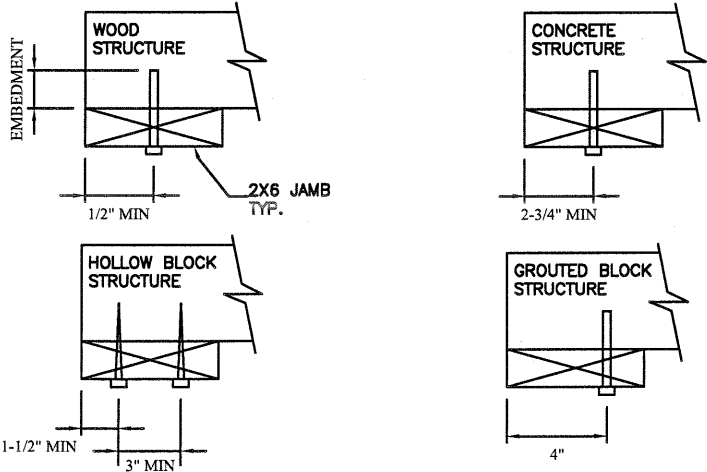
TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT										TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	
7' 0"	3.5"	22"	34"	58"							76"
7' 6"	3.5"	22"	34"	58"							82"
8' 0"	3.5"	22"	34"	58"	70"						88"
9' 0"	3.5"	22"	34"	58"	70"						100"
9' 6"	3.5"	22"	34"	58"	70"	82"					106"
10' 0"	3.5"	22"	34"	58"	70"	82"					112"
11' 0"	3.5"	22"	34"	58"	70"	82"	106"				124"
12' 0"	3.5"	22"	34"	58"	70"	82"	106"	118"			136"
13' 0"	3.5"	22"	34"	58"	70"	82"	106"	118"	130"		148"
14' 0"	3.5"	22"	34"	58"	70"	82"	106"	118"	130"	142"	160"

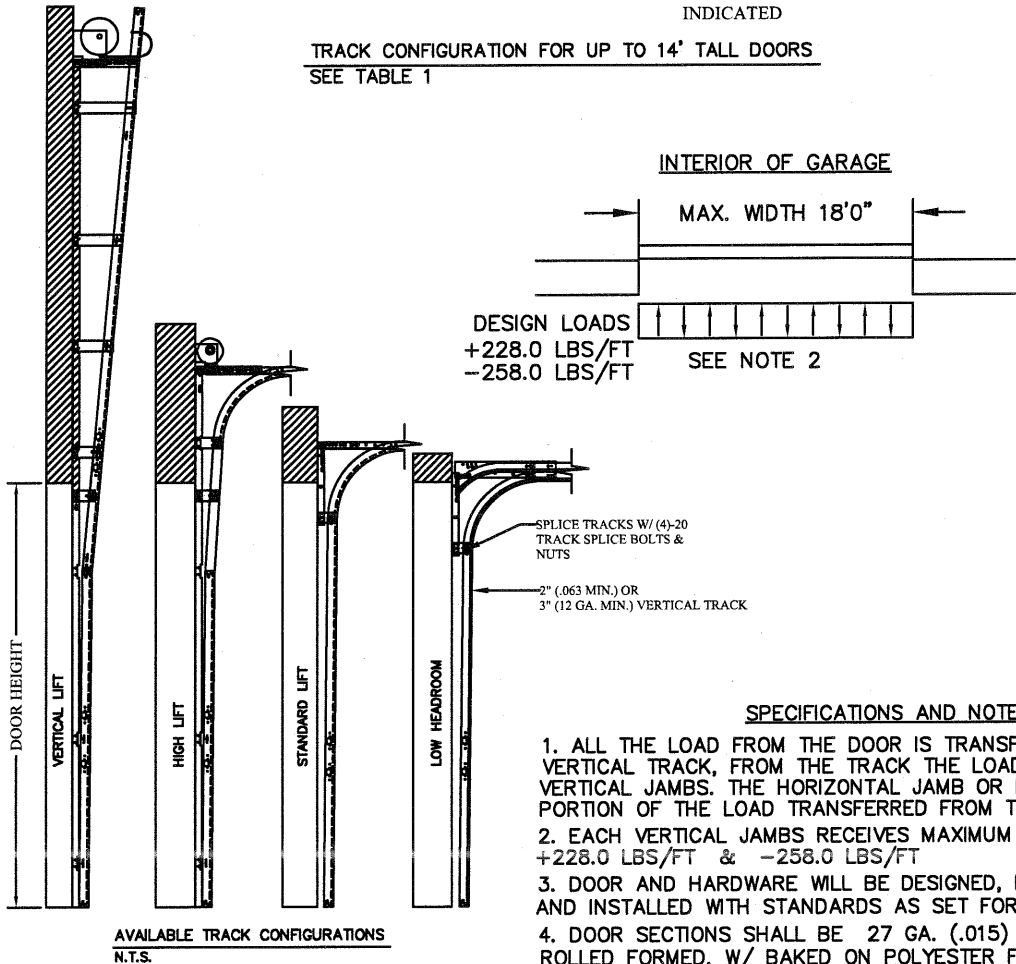
ALL TRACK ATTACHMENT SPACING +/-1.5" ALLOWED WITH SPF OR SYP NO. 2 OR BETTER ONLY

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

- 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 22" 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



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS
SEE TABLE 1



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: +228.0 LBS/FT & -258.0 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 14'0" HIGH HAVE (1) 5.5" 18GA R--TRUSS PER SECTION AND (1) 3" 20GA STRUT ON THE BOTTOM SECTION
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

TABLE 2

Section Width (ft)	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
	1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 4"	52.168	98.000	143.834	27.7	31.4
16' 6"	51.340	99.000	146.660	27.4	31.1
16' 8"	52.200	100.000	147.800	27.2	30.8
16' 10"	53.200	101.000	148.800	26.9	30.4
17' 0"	54.200	102.000	149.800	26.6	30.1
17' 2"	55.2	103.0	150.8	26.4	29.9
17' 4"	56.200	104.000	151.800	26.1	29.6
17' 6"	57.200	105.000	152.800	25.9	29.3
17' 8"	55.800	106.000	156.200	25.6	29.0
17' 10"	56.250	107.000	157.750	25.4	28.7
18' 0"	57.800	108.000	158.200	25.2	28.5
18' 2"	57.3	109.0	160.7	25.1	28.4

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18'2 x 14'

DESIGN LOADS
+25.1 PSF
-28.4 PSF

TEST LOADS
+37.7 PSF
-42.6 PSF

LARGE MISSILE IMPACT
RESISTANCE

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

FL

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

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

Amarr

AMARR MODEL #1480 CARRIAGE COURT

SIZE	DRAWN BY	RLR	DATE	12/08/14	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	12/08/14	IRC-1418-130-26-1

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

SHEET 2 OF 2