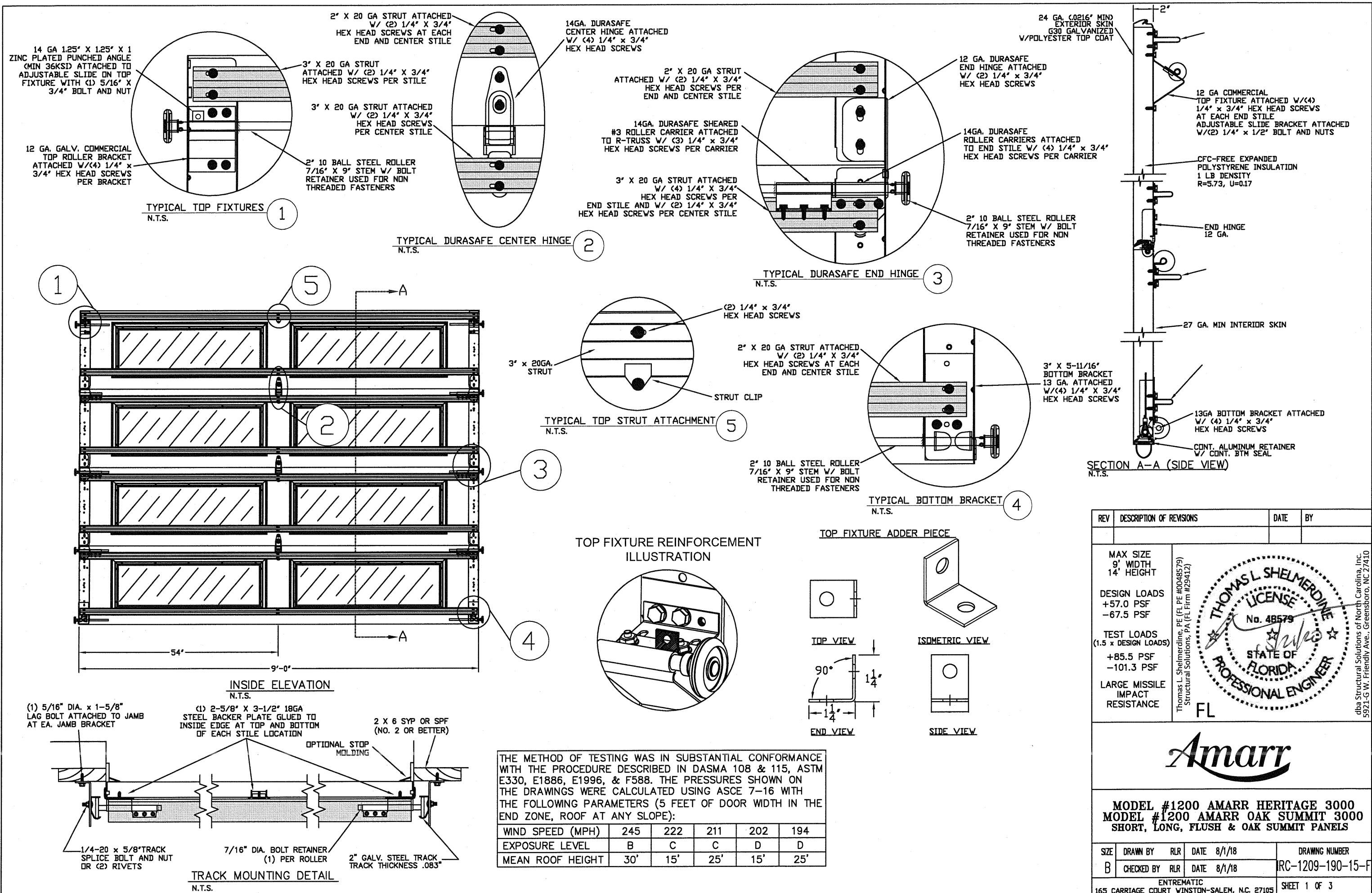




REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' WIDTH
14' HEIGHT

DESIGN LOADS
+57.0 PSF
-67.5 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+85.5 PSF
-101.3 PSF

LARGE MISSILE
IMPACT
RESISTANCE

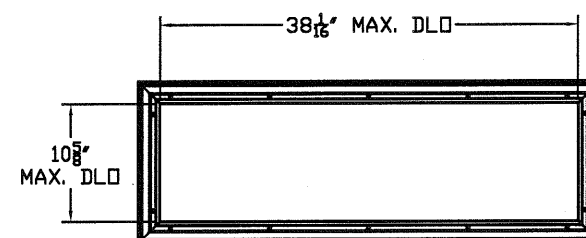
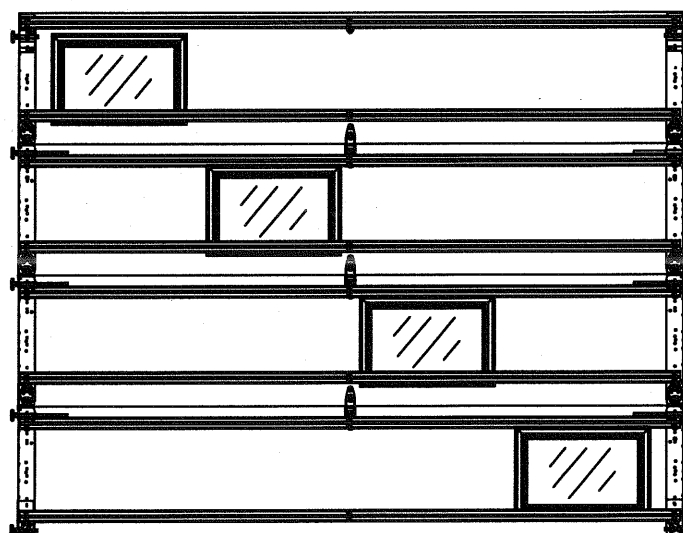
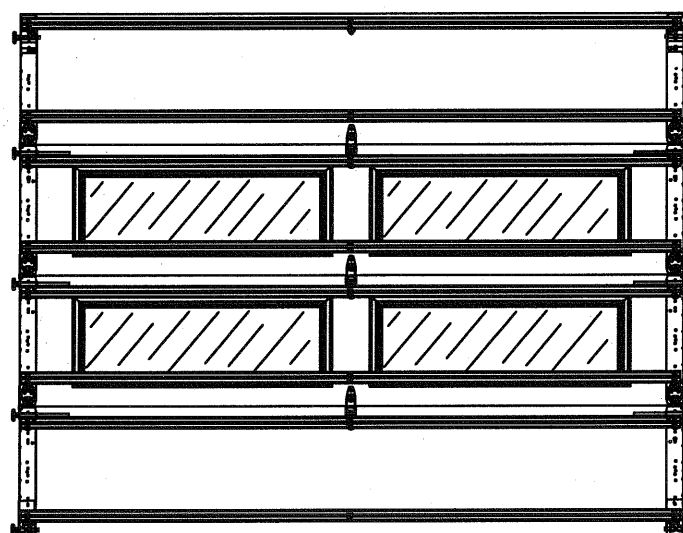
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

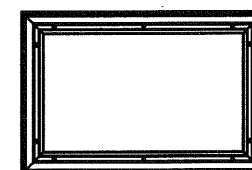
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

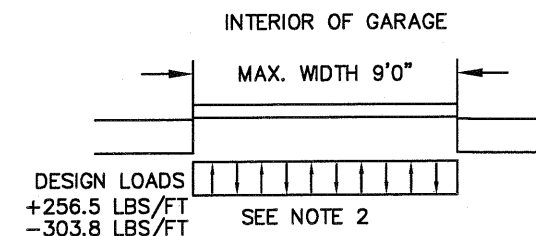
SIZE	DRAWN BY	RLR	DATE	8/1/18	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	8/1/18	RC-1209-190-15-F
ENTREMATIC					SHEET 1 OF 3
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					



LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



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:
+256.5 LBS/FT & -303.8 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS OVER (4) SECTIONS REFER TO TABLES 1 AND 2
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS

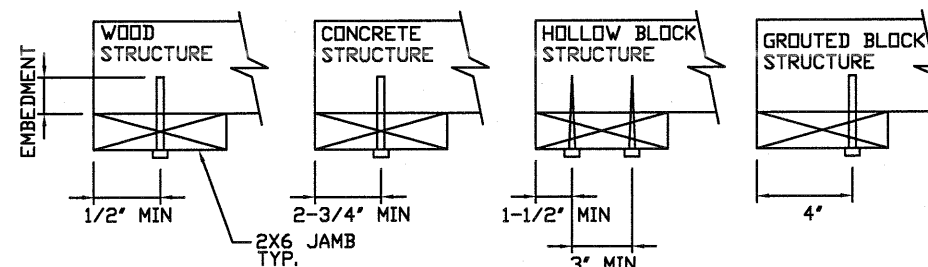
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 18" O.C. (1 1/2" EMBEDMENT)

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 16" 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 (1900 PSI MIN)
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS
(3" APART) AT 8" O.C. (1 1/4" 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 20" 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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9' WIDTH 14' HEIGHT DESIGN LOADS +57.0 PSF -67.5 PSF TEST LOADS (1.5 x DESIGN LOADS) +85.5 PSF -101.3 PSF LARGE MISSILE IMPACT RESISTANCE	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 #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE B	DRAWN BY	RLR	DATE	8/1/18	DRAWING NUMBER RC-1209-190-15
	CHECKED BY	RLR	DATE	8/1/18	
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

13 GA. FLAG BRACKET ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8" LAG BOLTS AND TO TRACK W/ (4) 1/4"-20 X 5/8" TRACK SPLICE BOLTS AND NUTS

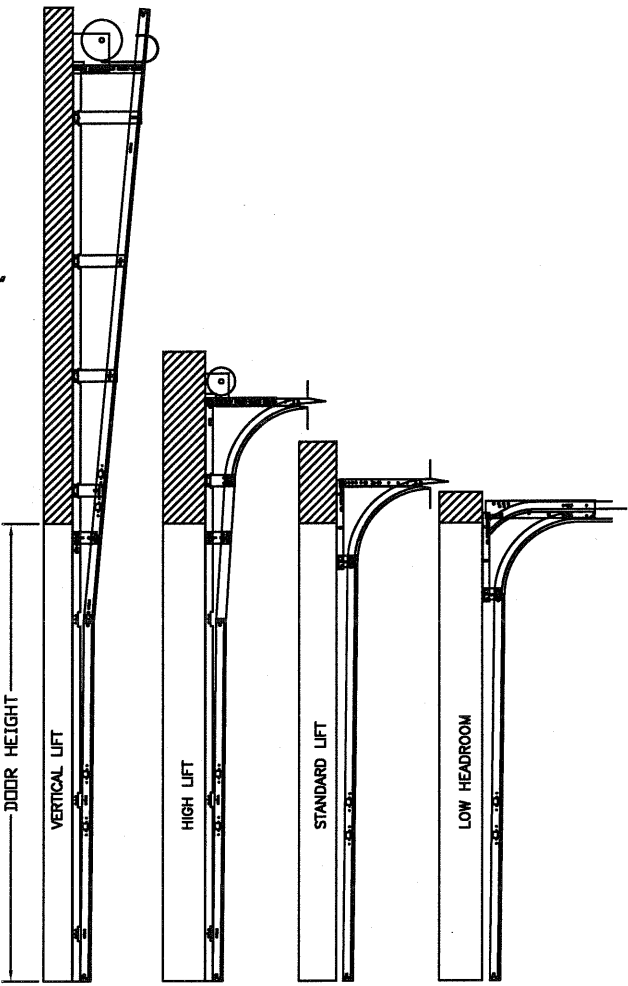
SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16" DIA. X 1-5/8" LAG BOLTS

(1) 5/16" DIA. X 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

12 GA. X 2-1/2" WIDE GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4"-20 X 5/8" TRACK SPLICE BOLT & NUT

SEE (TABLE 1) FOR JAMB BRACKET SPACING

TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 3

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8'0"	Short	48.000	63.8	75.6
8'0"	Long	48.000	63.8	75.6
8'2"	Short	49.000	62.5	74.0
8'2"	Long	49.000	62.5	74.0
8'4"	Short	50.000	61.3	72.5
8'4"	Long	50.000	61.3	72.5
8'6"	Short	51.000	60.1	71.1
8'6"	Long	51.000	60.1	71.1
8'8"	Short	52.000	58.9	69.7
8'8"	Long	52.000	58.9	69.7
8'10"	Short	53.000	57.8	68.4
8'10"	Long	53.000	57.8	68.4
9'0"	Short	54.000	57.0	67.5
9'0"	Long	54.000	57.0	67.5

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6'6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7'6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"							88"
8'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"						94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"						100"
9'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"					106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"					112"
10'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				124"
11'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"			136"
12'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"		142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"		148"
13'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

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

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14'0"	21"	21"	21"	21"	21"	21"	21"	21"
13'6"	21"	21"	21"	21"	21"	18"	18"	21"
13'0"	21"	21"	21"	18"	18"	18"	18"	21"
12'6"	21"	18"	18"	18"	18"	18"	18"	21"
12'0"	21"	21"	21"	21"	21"	18"	21"	
11'6"	21"	21"	21"	18"	18"	18"	21"	
11'0"	21"	18"	18"	18"	18"	18"	21"	
10'6"	21"	21"	21"	21"	21"	21"		
10'0"	21"	21"	21"	18"	18"	21"		
9'6"	21"	18"	18"	18"	18"	21"		
9'0"	18"	18"	18"	18"	18"	18"		
8'6"	21"	21"	21"	18"	21"			
8'0"	21"	18"	18"	18"	21"			
7'6"	18"	18"	18"	18"				
7'0"	21"	21"	21"	21"				
6'6"	21"	18"	18"	21"				

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' WIDTH
14' HEIGHT

DESIGN LOADS
+57.0 PSF
-67.5 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+85.5 PSF
-101.3 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

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

Amarr

MODEL #1200 AMARR HERITAGE 3000
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SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	8/1/18	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	8/1/18	IRC-1209-190-15-F
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 3 OF 3