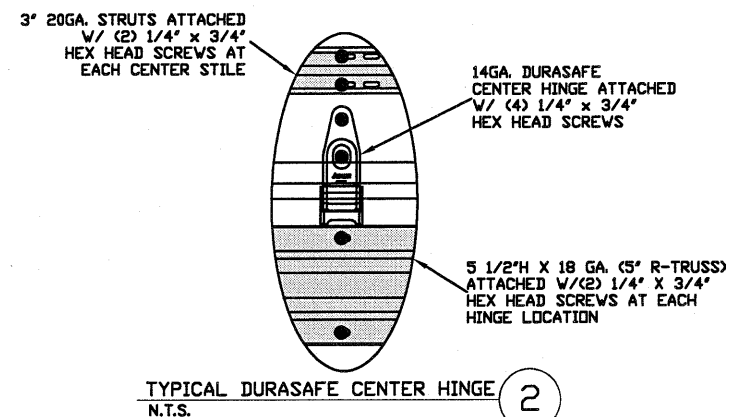
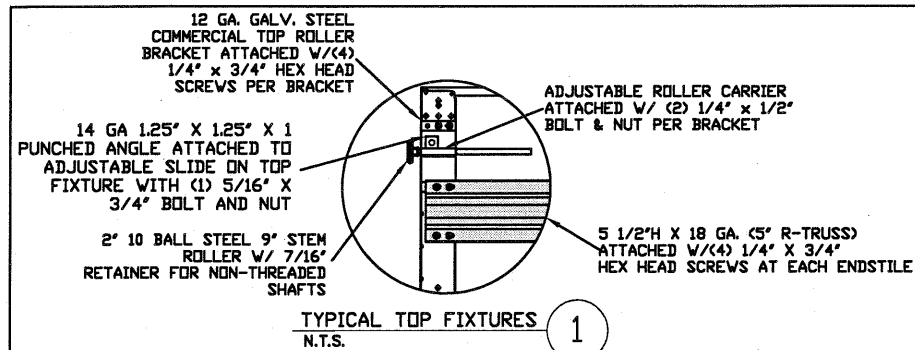
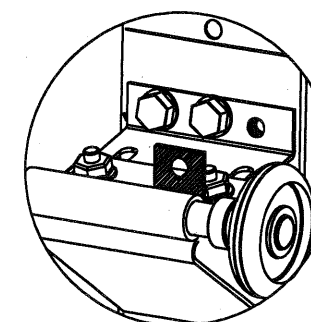


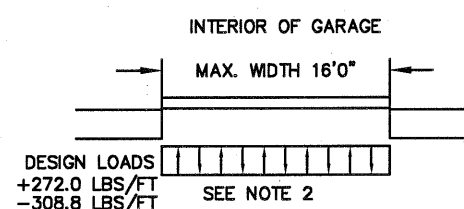
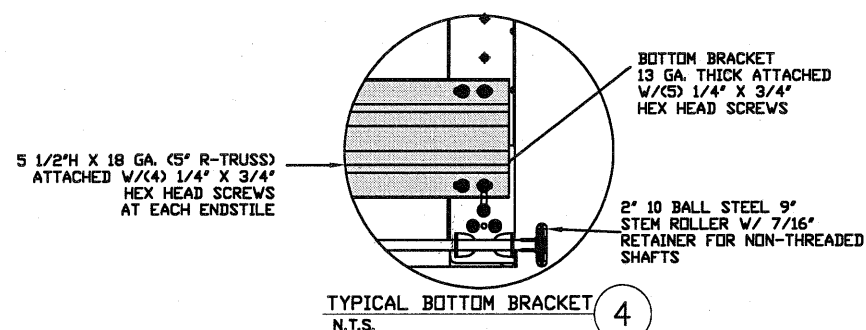
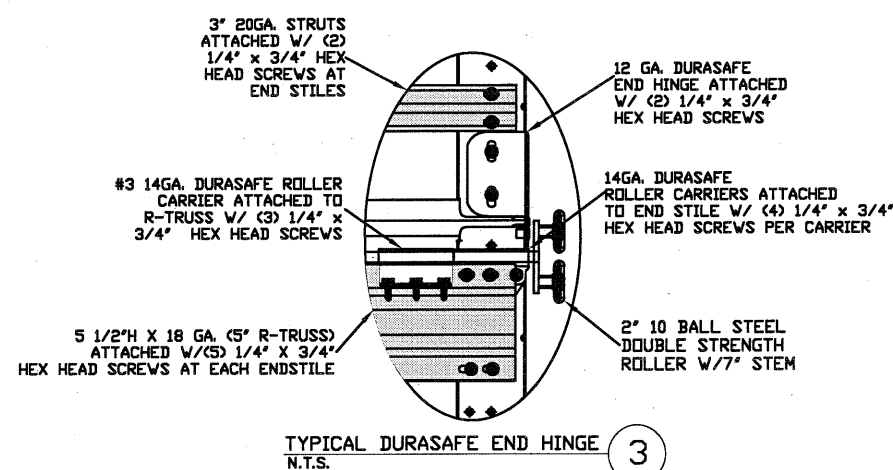
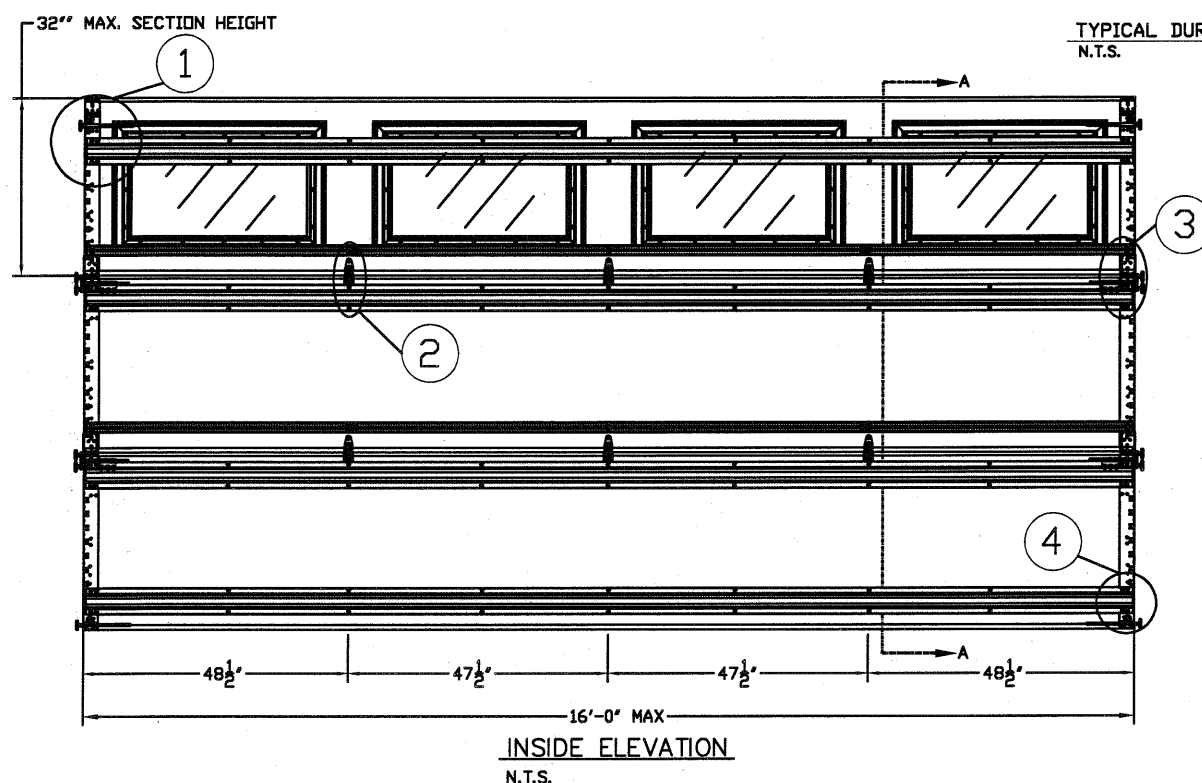
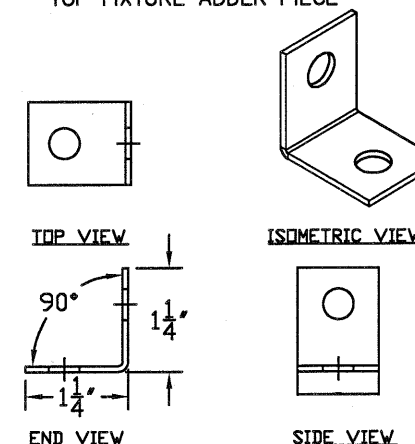


LARGE MISSILE IMPACT RESISTANT

TOP FIXTURE REINFORCEMENT ILLUSTRATION



TOP FIXTURE ADDER PIECE

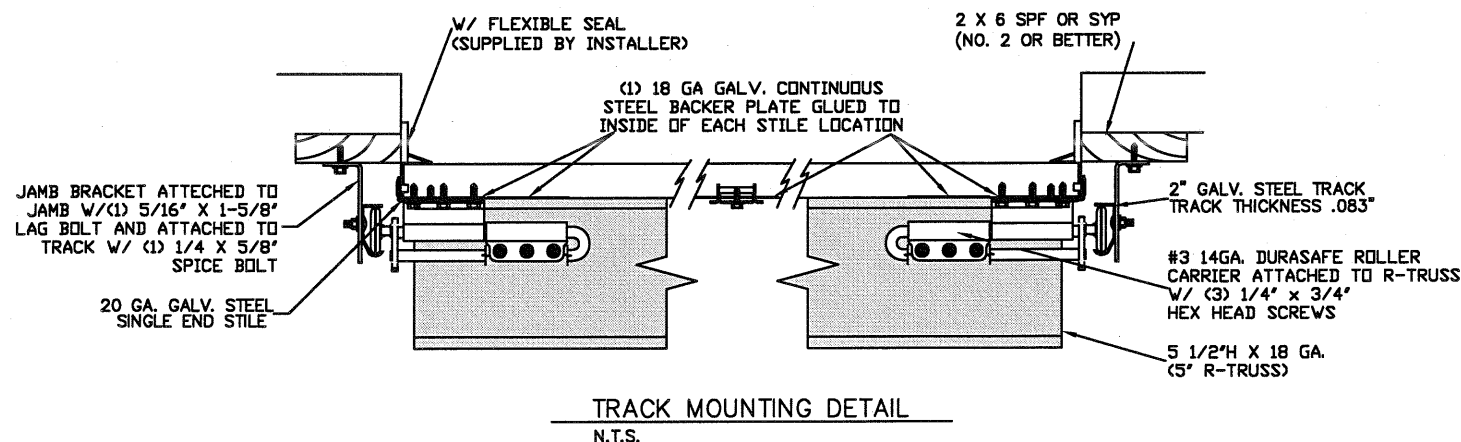


SPECIFICATIONS AND NOTES

- 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.
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +272.0 LBS/FT & -308.8 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 25 GA. EXTERIOR MIN. (.019"), AND 27 GA. INTERIOR MIN. (.014") ROLLED FORMED LIGHT COMMERCIAL QUALITY
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996 & F588, DASMA 108 & 115. 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)	194	176	168	160	154
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'



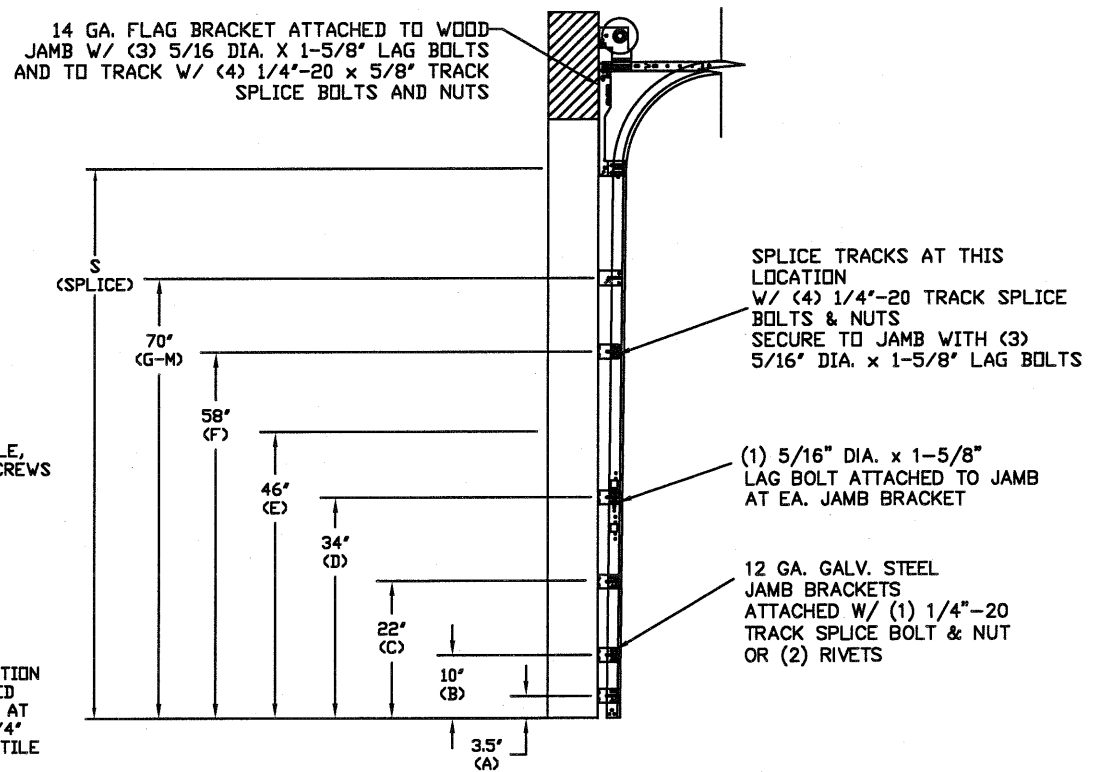
REV	DESCRIPTION OF REVISIONS	DATE	BY
A	CLARIFIED DOUBLE ROLLER ATTACHMENT DETAILS IN "TRACK MOUNTING DETAIL", PAGE 1 AND "SECTION A-A", PAGE 2	03/04/19	DRD

MAX. SIZE 16' x 14'	DESIGN LOADS +34.0 PSF -38.6 PSF	TEST LOADS (1.5 x DESIGN LOADS) +51.0 PSF -57.9 PSF	LARGE MISSILE IMPACT RESISTANCE
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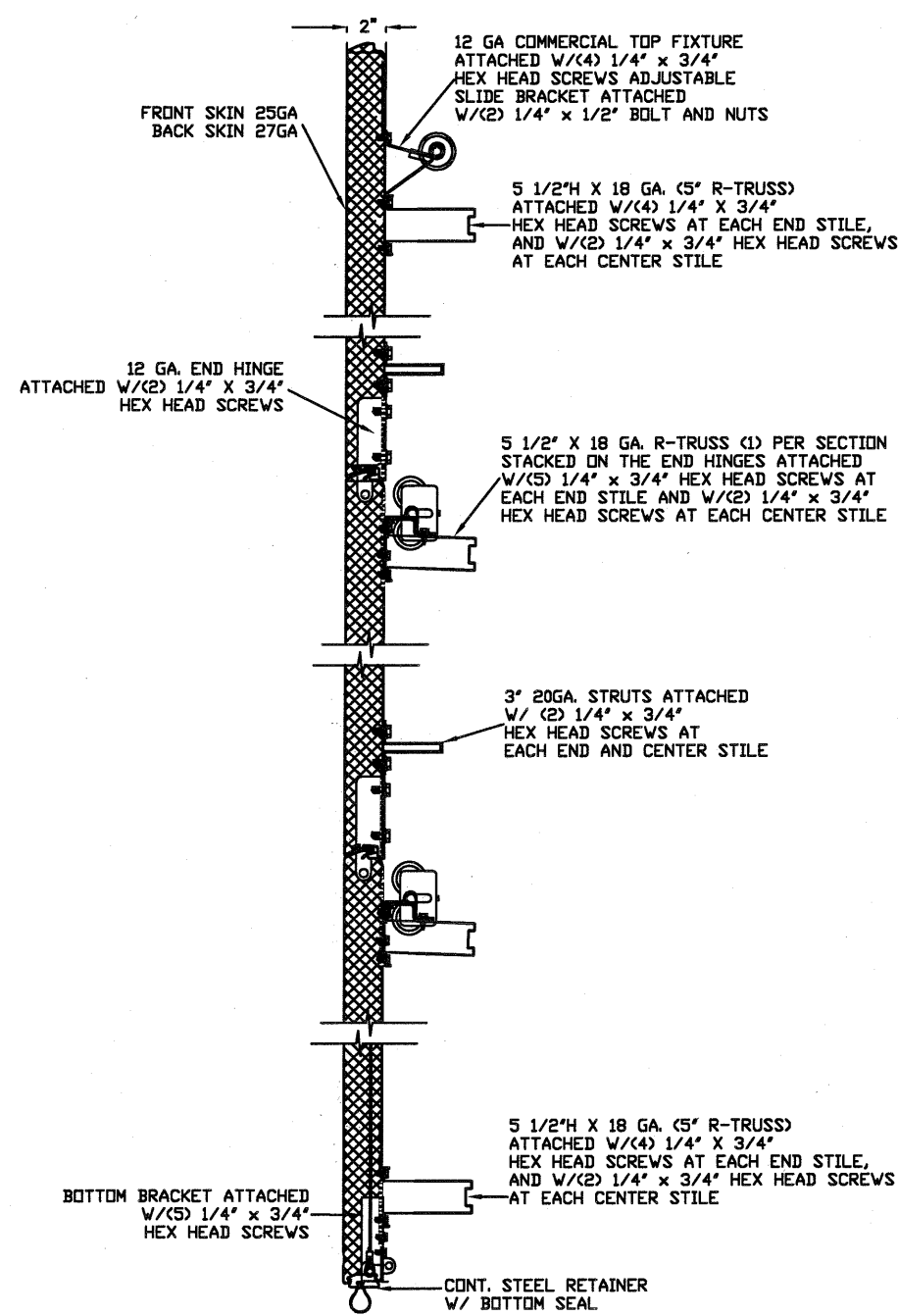
Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	THOMAS L. SHELMERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER	dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
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Amarr

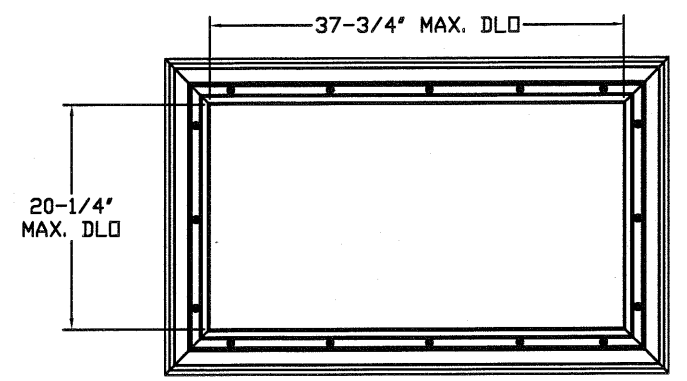
MODEL #3000 AMARR CLASSICA 3000			
SIZE	DRAWN BY	RLR	DATE 4/14/16
B	CHECKED BY	RLR	DATE 4/14/16
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-3316-150-26-1 SHEET 1 OF 3



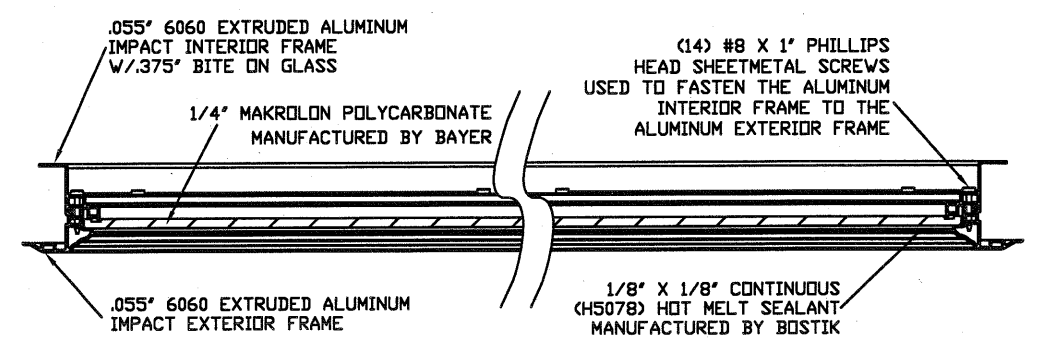
TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.
SEE TABLE 1 FOR ADDITIONAL DOOR HEIGHTS AND THEIR TRACK SPACING REQUIREMENTS.



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



GLAZING FASTENER DETAIL
N.T.S.



SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT													SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	
6' 6"	3.5"	10"	22"	34"	46"	58"								70"
7'	3.5"	10"	22"	34"	46"	58"								76"
7' 6"	3.5"	10"	22"	34"	46"	58"	70"							82"
8'	3.5"	10"	22"	34"	46"	58"	70"							88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"						94"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"						100"
9' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"					106"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"					112"
10' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"				118"
11'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"				124"
11' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"			130"
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"			136"
12' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"		142"
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"		148"
13' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	160"

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

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MAX SIZE
16' x 14'

DESIGN LOADS
+34.0 PSF
-38.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+51.0 PSF
-57.9 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

FL

Thomas L. Shelmerdine, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL #3000 AMARR CLASSICA 3000

SIZE	DRAWN BY	RLR	DATE	4/14/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	4/14/16	IRC-3316-150-26-1

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

SHEET 2 OF 3

TABLE 1

Section	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	
09' 2		55.00				29.5 33.5
09' 4		56.00				29.0 32.9
09' 6		57.00				28.5 32.3
09' 8		58.00				28.0 31.8
09' 10		59.00				27.5 31.2
10' 0		60.00				27.1 30.7
10' 2		61.00				26.6 30.2
10' 4		62.00				26.2 29.7
10' 6		63.00				25.8 29.3
10' 8		64.00				25.4 28.8
10' 10		65.00				25.0 28.4
11' 0		66.00				24.6 27.9
11' 2		67.00				24.2 27.5
11' 4		68.00				23.9 27.1
11' 6		69.00				23.5 26.7
11' 8		70.00				23.2 26.3
11' 10		71.00				22.9 26.0
12' 0		48.31	95.69			33.9 38.5
12' 2		49.06	96.94			33.5 38.0
12' 4		49.81	98.19			33.1 37.6
12' 6		50.56	99.44			32.7 37.1
12' 8		51.31	100.69			32.3 36.6
12' 10		52.06	101.94			31.9 36.2
13' 0		52.81	103.19			31.5 35.7
13' 2		53.56	104.44			31.1 35.3
13' 4		54.31	105.69			30.7 34.9
13' 6		55.06	106.94			30.4 34.5
13' 8		55.81	108.19			30.0 34.1
13' 10		56.56	109.44			29.7 33.7
14' 0		57.31	110.69			29.3 33.3
14' 2		58.06	111.94			29.0 32.9
14' 4		58.81	113.19			28.7 32.6
14' 6		59.56	114.44			28.4 32.2
14' 8		60.31	115.69			28.1 31.9
14' 10		61.06	116.94			27.8 31.5
15' 0		61.81	118.19			27.5 31.2
15' 2		62.56	119.44			27.2 30.9
15' 4		63.31	120.69			26.9 30.6
15' 6		47.42	93.00	138.58		34.9 39.6
15' 8		48.02	94.00	139.98		34.5 39.2
15' 10		48.62	95.00	141.38		34.2 38.8
16' 0		48.42	96.00	143.58		34.0 38.6

WOOD JAMB ATTACHMENT TO STRUCTURE

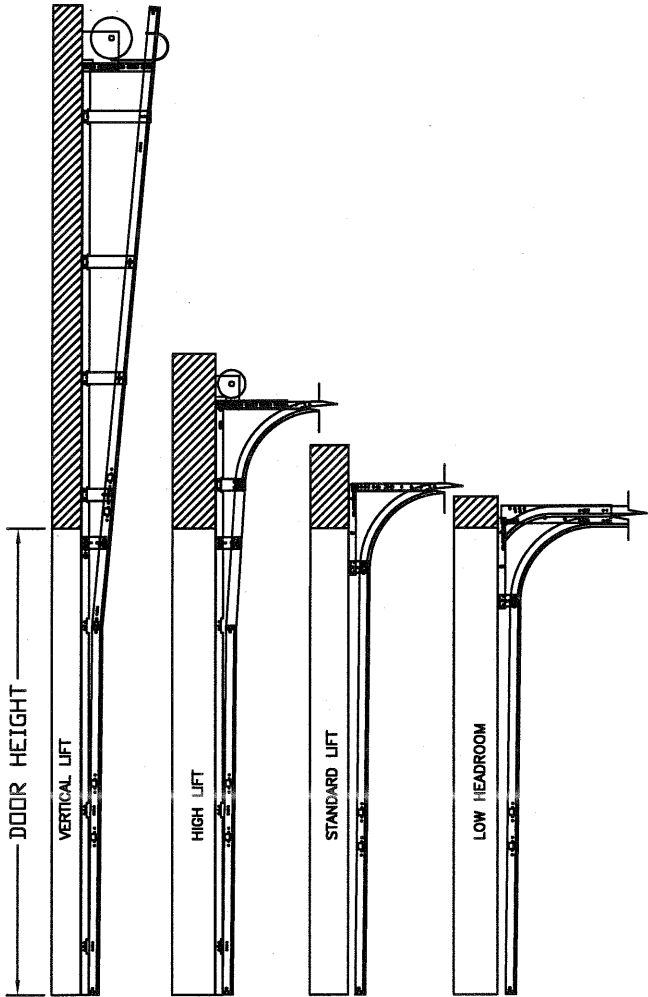
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 18" O.C. (1 1/2" EMBEDMENT)

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
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 18" 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.

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

dba Structural Solutions of North Carolina, Inc.
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Amarr

MODEL #3000 AMARR CLASSICA 3000

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