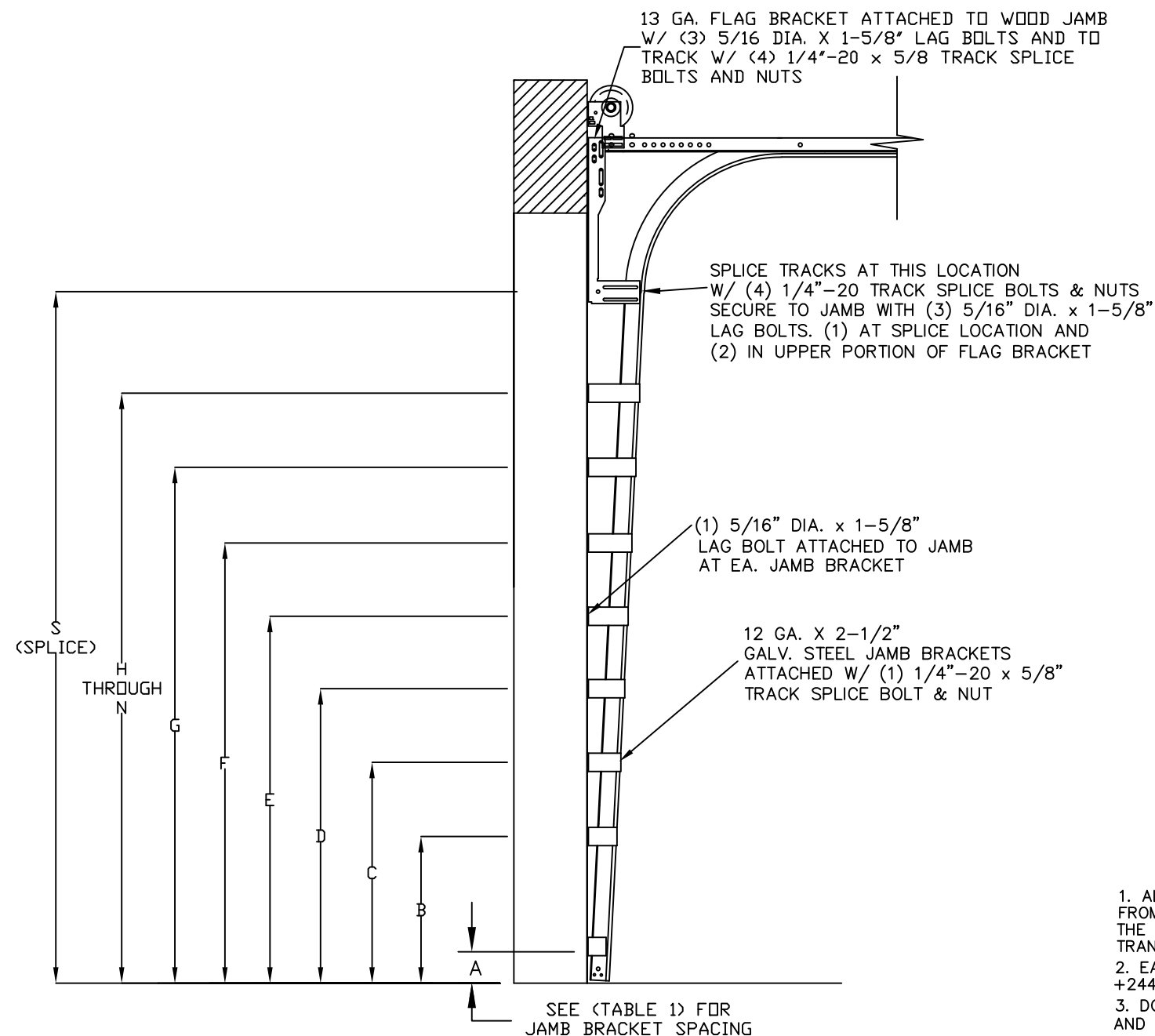
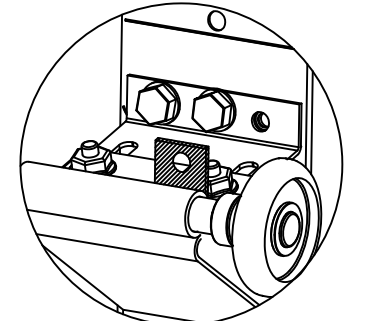




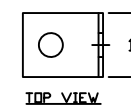
TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS

SEE TABLE 1 ON PAGE 3 FOR ADDITIONAL DOOR HEIGHTS AND THEIR TRACK SPACING REQUIREMENTS.

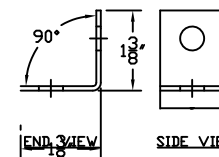
TOP FIXTURE REINFORCEMENT ILLUSTRATION



TOP FIXTURE ADDER PIECE



TOP VIEW

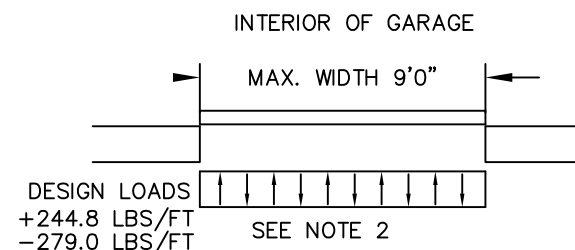


SIDE VIEW

ISOMETRIC VIEW

NOTES:

1. ZINC COATING
2. MATERIAL YIELD STRENGTH: 35-49 KSI.
3. MATERIAL HARDNESS: 50-60 ROCKWELL B.
4. 1.25" X 1.25" X 1" X 14 GA PUNCHED ANGLE MAY BE USED



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: +244.8 LBS/FT & -279.0 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") EXTERIOR SKIN ROLLED FORMED, G30 GALVNZIED W/ POLYESTER TOP COAT
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 9' x 14' DESIGN LOADS +54.4 PSF -62.0 PSF TEST LOADS +81.6 PSF -93.0 PSF LARGE MISSILE IMPACT RESISTANCE THOMAS L. SHELDERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER See Digital Signature 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

SIZE	DRAWN BY	DRC	DATE	1/18/21	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	1/21/21	IRC-5309-185-21-1
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT														TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
7' 0"		3.5"	10"	22"	34"	46"	58"	70"								76"
7' 6"		3.5"	10"	22"	34"	46"	58"	70"								82"
8' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"							88"
8' 6"		3.5"	10"	22"	34"	46"	58"	70"	82"							94"
9' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"						100"
9' 6"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"						106"
10' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					112"
11' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				124"
12' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			136"
13' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		148"
14' 0"		3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	160"

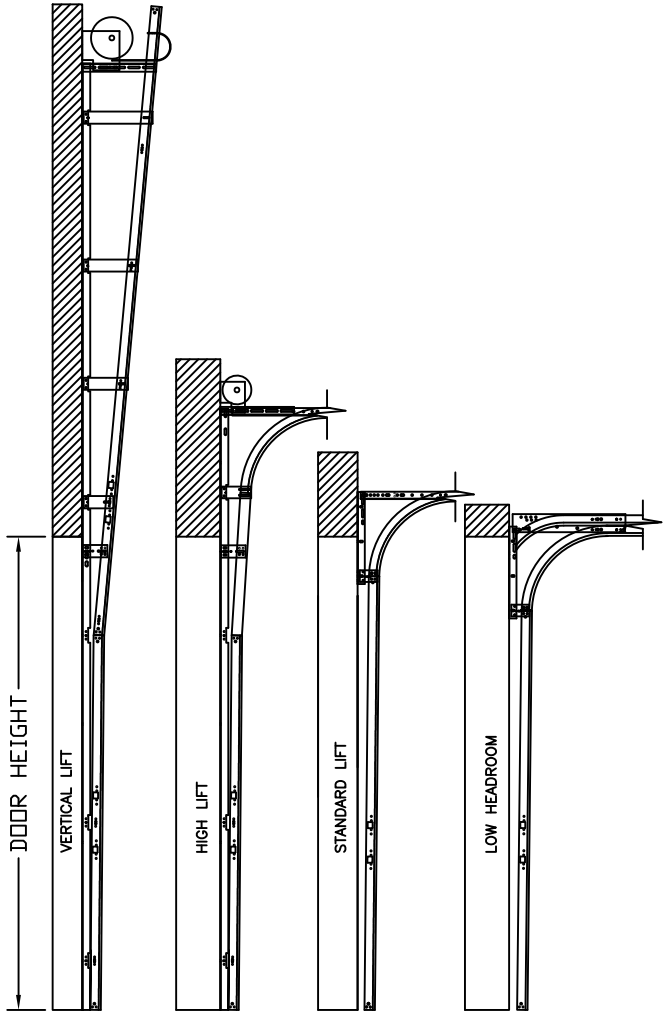
ALL TRACK AND ATTACHMENT SPACING +/-2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

TABLE 2

Section	Panel Type	Center Stile Location (Measured from Left		Max Design Loads Allowed	
		1st (in)	2st (in)	Positive (PSF)	Negative (PSF)
6' 0	Short	24.6	47.4	81.6	93.0
7' 0	Short	29.1	54.9	69.9	79.7
7' 2	Short	29.9	56.1	68.3	77.8
7' 4	Short	30.6	57.4	66.7	76.0
7' 6	Long/Short	45.0		65.2	74.4
7' 8	Long/Short	46.0		63.8	72.7
7' 10	Long/Short	47.0		62.5	71.2
8' 0	Long/Short	48.0		61.2	69.7
8' 2	Long/Short	49.0		59.9	68.3
8' 4	Long/Short	50.0		58.7	66.9
8' 6	Long/Short	51.0		57.6	65.6
8' 8	Long/Short	52.0		56.4	64.3
8' 10	Long/Short	53.0		55.4	63.1
9' 0	Long/Short	54.0		54.4	62.0

TABLE 3

SECTION	STRUT SIZE
TOP	3 5/8" TRUSS
	3" STRUT
5TH	3 5/8" TRUSS
	3" STRUT
4TH	3 5/8" TRUSS
	3" STRUT
3RD	3 5/8" TRUSS
	3" STRUT
2ND	3 5/8" TRUSS
	3" STRUT
BOTTOM	3 5/8" TRUSS
	3 5/8" TRUSS



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE (G=0.42)
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 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

WOOD STRUCTURE

EMBEDMENT

1/2" MIN

CONCRETE STRUCTURE

2-3/4" MIN

HOLLOW BLOCK STRUCTURE

1-1/2" MIN

3" MIN

GROUTED BLOCK STRUCTURE

4"

2X6 JAMB TYP.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+54.4 PSF
-62.0 PSF

TEST LOADS
+81.6 PSF
-93.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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 B	DRAWN BY DRC	DATE 1/18/21	DRAWING NUMBER IRC-5309-185-21-I
	CHECKED BY DLJ	DATE 1/21/21	

AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 3 OF 3