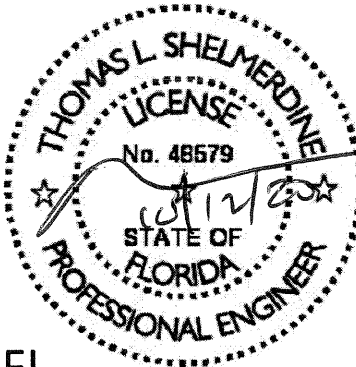


REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +33.7 PSF -38.1 PSF TEST LOADS (1.5 x DESIGN LOADS) +50.6 PSF -57.2 PSF LARGE MISSILE IMPACT RESISTANCE	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 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
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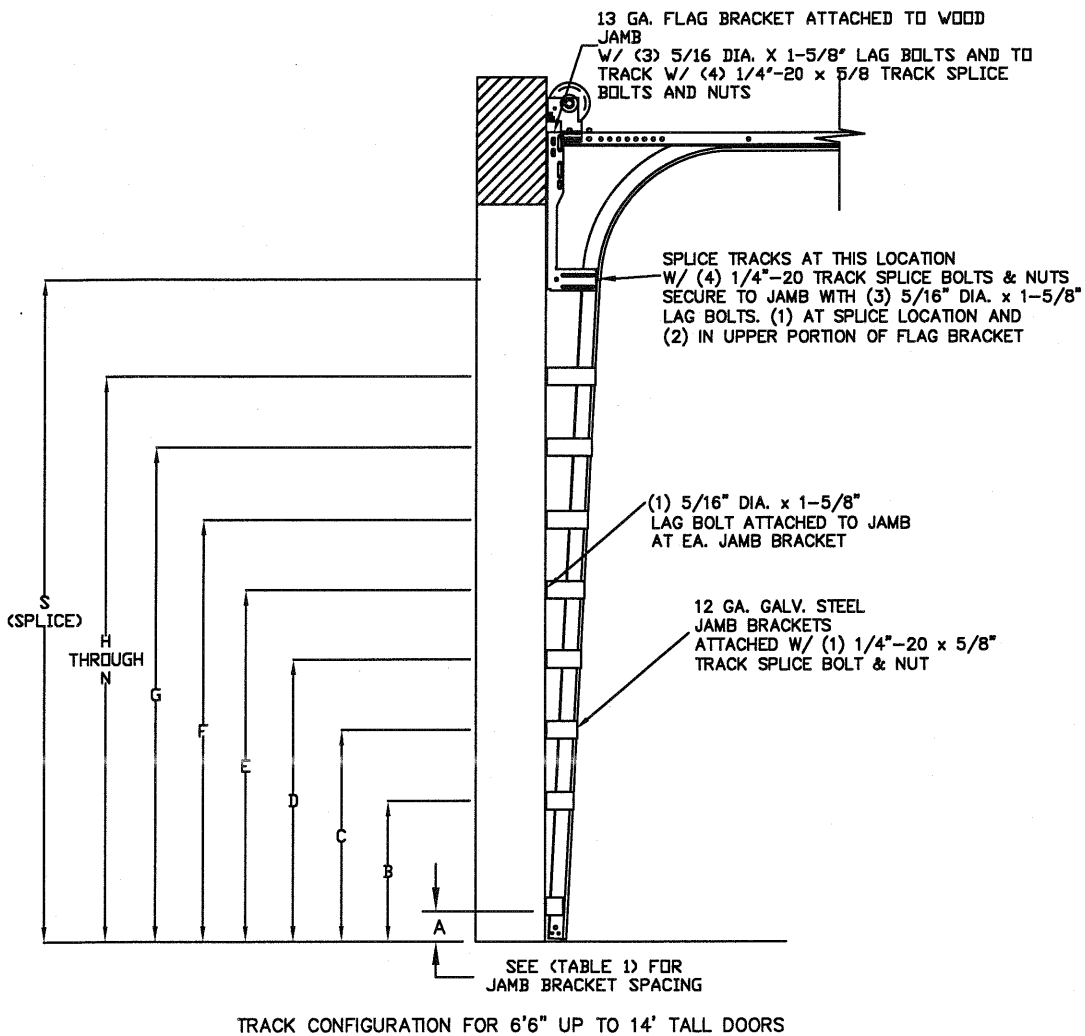
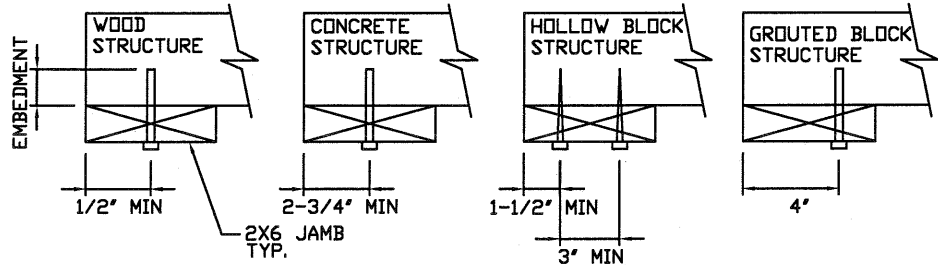


MODEL 500 AMARR CLASSICA 1000, 2000			
SIZE	DRAWN BY	RLR	DATE 1/31/19
B	CHECKED BY	RLR	DATE 1/31/19
ENTRETECH			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IRC-5318-150-26-
			SHEET 1 of 2

WOOD JAMB ATTACHMENT TO STRUCTURE

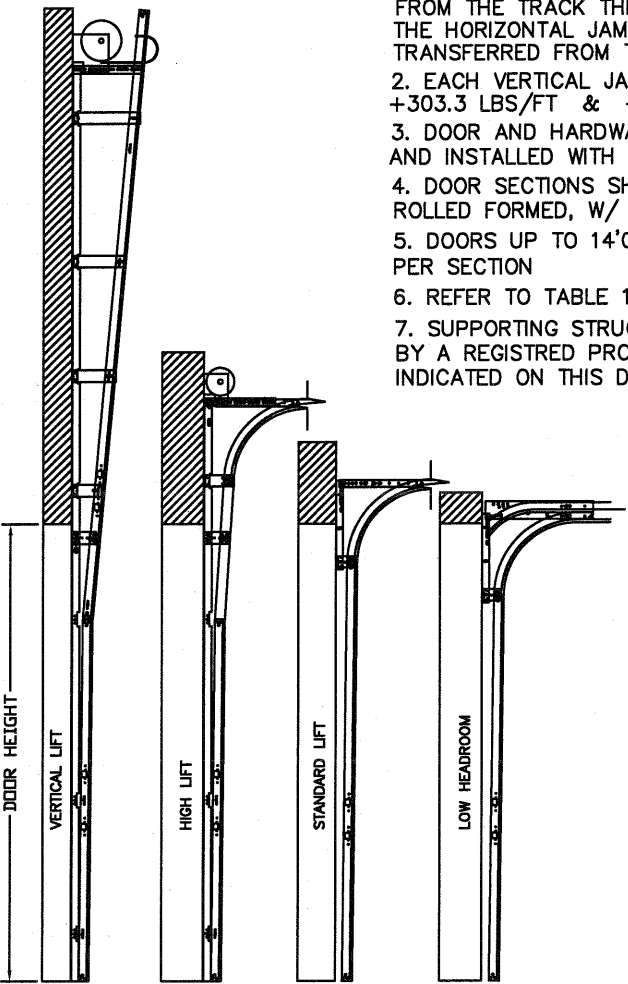
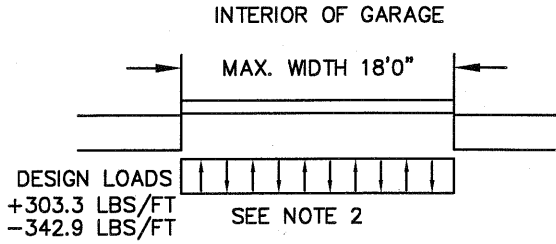
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 16" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 14" 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 16" 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



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: +303.3 LBS/FT & -342.9 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. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 14'0" HIGH USE (2) 5.5" 18GA R-TRUSS PER SECTION
6. REFER TO TABLE 1 FOR TRACK ATTACHMENT SCHEDULE
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 2

Section	Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)	
16' 2		24.63	48.75	72.880	97.00	121.13	145.25	169.38	37.2
16' 4		24.63	49.08	73.540	98.00	122.46	146.92	171.38	37.0
16' 6		24.63	49.42	74.210	99.00	123.79	148.59	173.38	36.6
16' 8		24.88	49.92	74.960	100.00	125.04	150.09	175.13	36.2
16' 10		25.13	50.42	75.710	101.00	126.29	151.59	176.88	35.9
17' 0		25.38	50.92	76.460	102.00	127.54	153.09	178.63	35.5
17' 2		25.63	51.42	77.210	103.00	128.79	154.59	180.38	35.2
17' 4		25.88	51.92	77.960	104.00	130.04	156.09	182.13	34.8
17' 6		26.13	52.42	78.710	105.00	131.29	157.59	183.88	34.5
17' 8		26.38	52.92	79.460	106.00	132.54	159.09	185.63	34.2
17' 10		26.63	53.42	80.210	107.00	133.79	160.59	187.38	33.8
18' 0		26.88	53.92	80.960	108.00	135.04	162.09	189.13	33.7

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT OPTION 1														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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+33.7 PSF
-38.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+50.6 PSF
-57.2 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

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE B	DRAWN BY RLR	DATE 1/31/19	DRAWING NUMBER IRC-5318-150-26-1
	CHECKED BY RLR	DATE 1/31/19	

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105

SHEET 2 OF 2