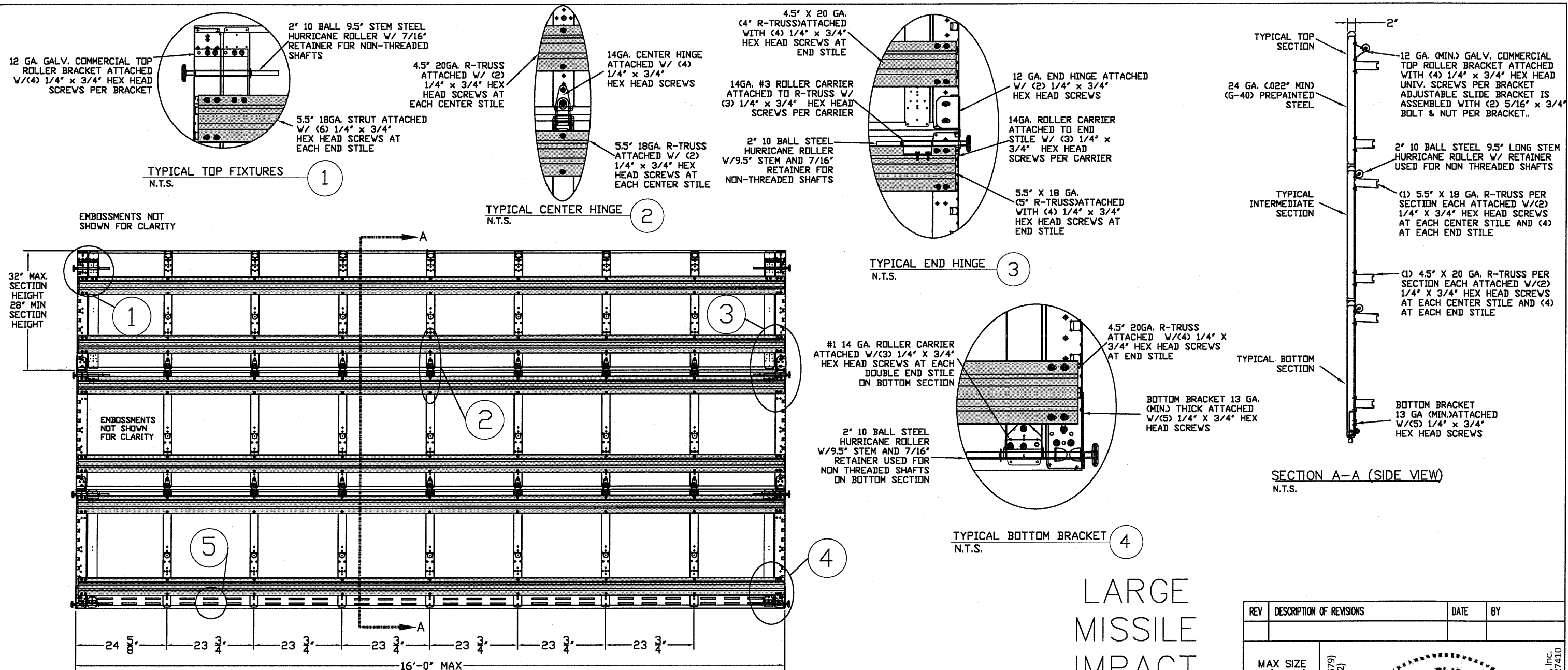
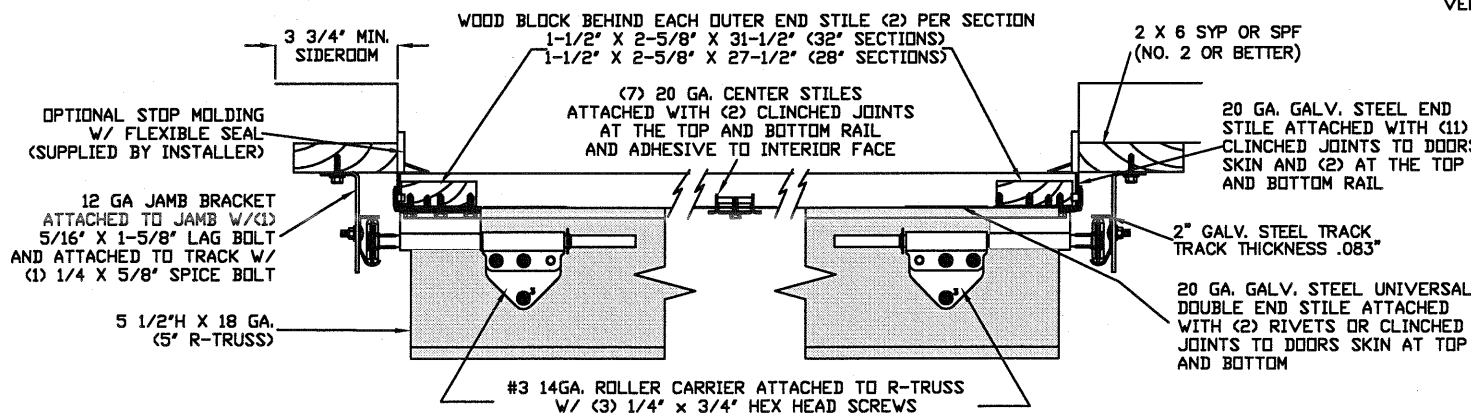


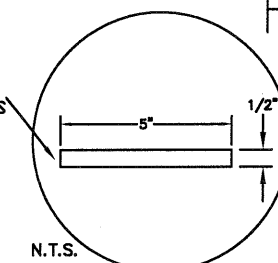


INSIDE ELEVATION
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

TWO (2) ROWS OF THREE (3) VENTS EQUALS 15 SQ. INCHES



OPTIONAL VENT DETAIL
5

LARGE MISSILE IMPACT RESISTANCE

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 & 115, ASTM E330, E1886, E1996, & F588. 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

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

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	RLR	DATE	1/30/19	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	1/30/19	IRC-5316-150-26-1

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

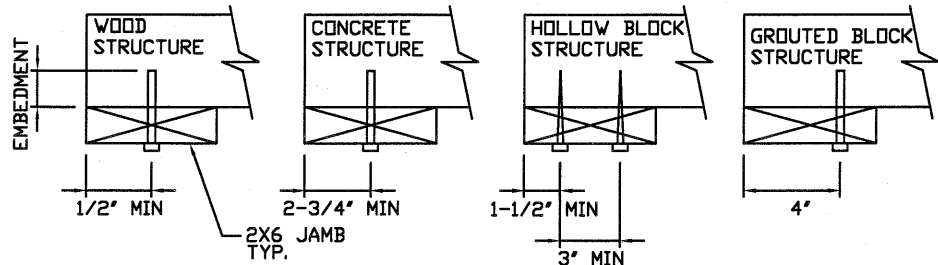
SHEET 1 OF 2

WOOD JAMB ATTACHMENT TO STRUCTURE

SPECIFICATIONS AND NOTES

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



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: +272.0 LBS/FT & -308.8 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. MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 14'0" HIGH USE (1) 5.5" 18GA R-TRUSS AND (1) 4.5" 20GA 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.

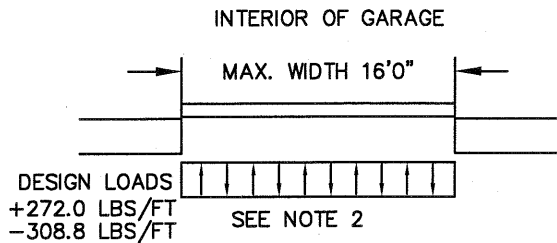
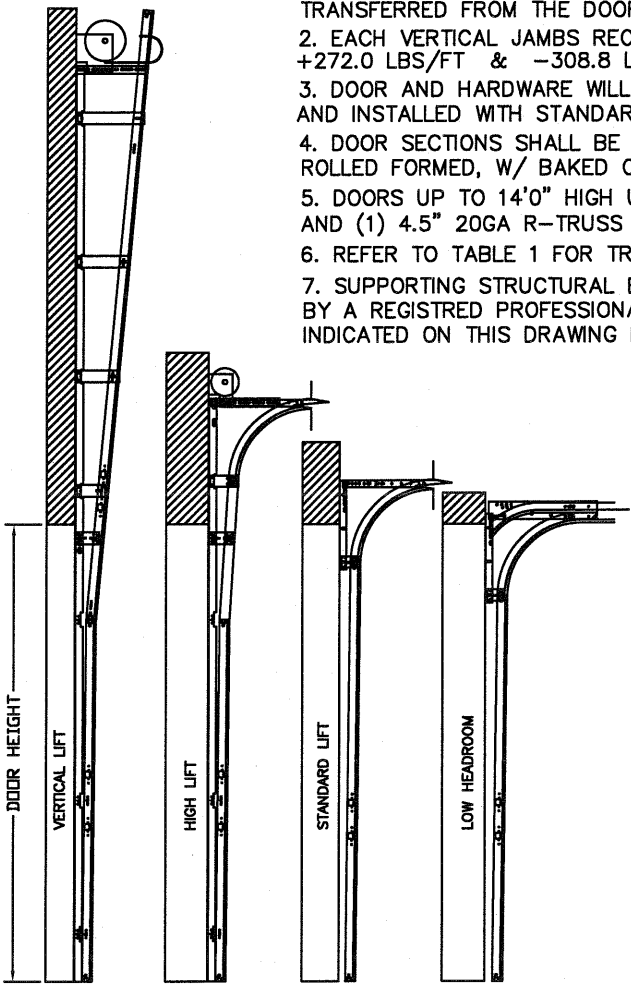


TABLE 2

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)	Positive (PSF)
12' 0"	24.625	48.3125	72	95.688	119.375				33.9
12' 2"	25.125	49.0625	73	96.938	120.875				33.4
12' 4"	25.625	49.8125	74	98.188	122.375				32.9
12' 6"	26.125	50.5625	75	99.438	123.875				32.4
12' 8"	26.625	51.3125	76	100.69	125.375				31.9
12' 10"	27.125	52.0625	77	101.94	126.875				31.5
13' 0"	27.625	52.8125	78	103.19	128.375				31.0
13' 2"	28.125	53.5625	79	104.44	129.875				30.6
13' 4"	28.625	54.3125	80	105.69	131.375				30.2
13' 6"	29.125	55.0625	81	106.94	132.875				29.7
13' 8"	29.625	55.8125	82	108.19	134.375				29.3
13' 10"	30.125	56.5625	83	109.44	135.875				29.0
14' 0"	30.625	57.3125	84	110.69	137.375				28.6
14' 2"	31.125	58.0625	85	111.94	138.875				28.2
14' 4"	31.625	58.8125	86	113.19	140.375				27.9
14' 6"	32.125	59.5625	87	114.44	141.875				27.5
14' 8"	32.625	60.3125	88	115.69	143.375				27.2
14' 10"	33.125	61.0625	89	116.94	144.875				26.8
15' 0"	33.625	61.8125	90	118.19	146.375				26.5
15' 2"	34.125	62.5625	91	119.44	147.875				26.2
15' 4"	34.625	63.3125	92	120.69	149.375				25.9
15' 6"	35.125	64.0625	93	121.94	150.875				25.6
15' 8"	35.625	64.8125	94	123.19	152.375				25.3
15' 10"	36.125	65.5625	95	124.44	153.875				25.0
16' 0"	36.625	66.3125	96	125.69	155.375				24.7

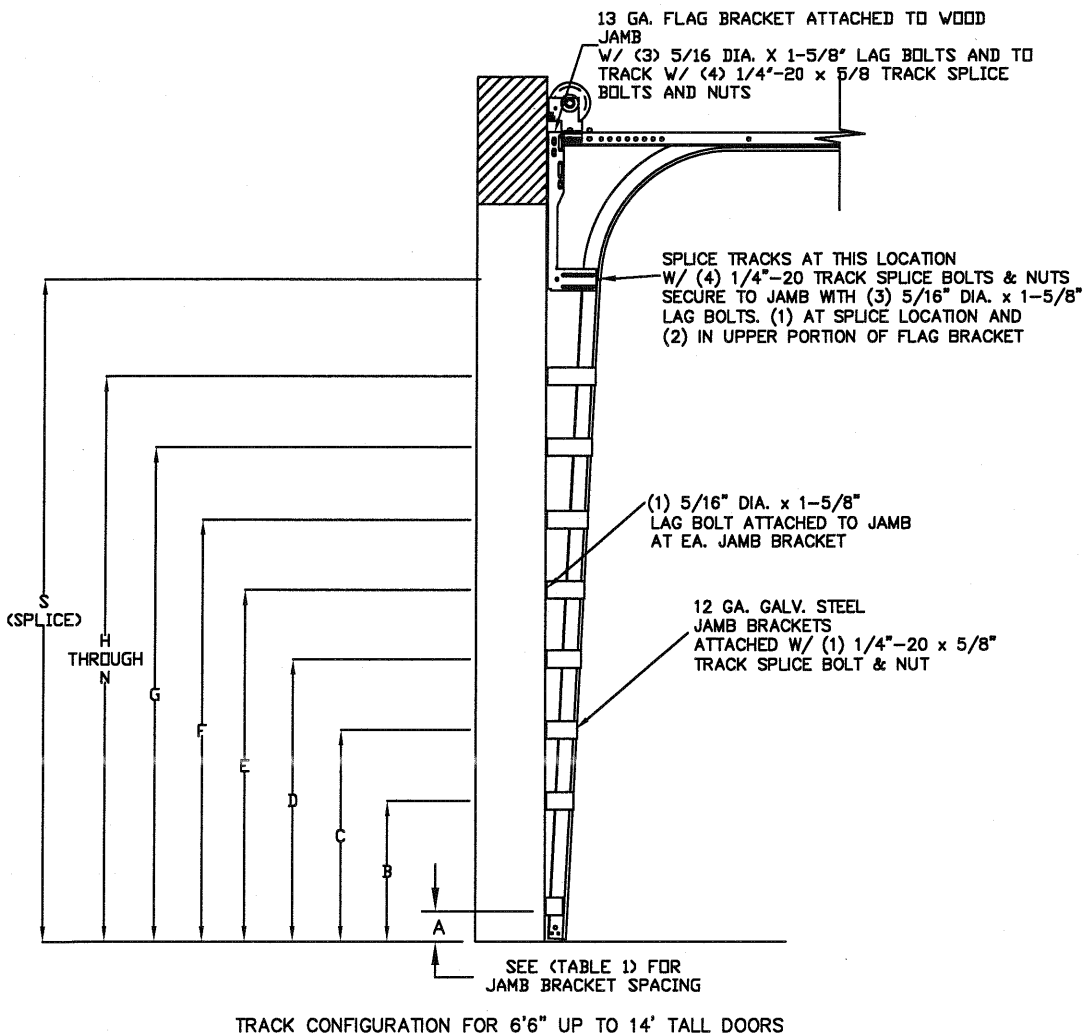


AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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



REVDESCRIPTION OF REVISIONSDATEBY

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. Shelmerding, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
FL

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

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

Amarr
ENTREMATIC

MODEL #500
AMARR CLASSICA 1000, 2000

SIZE
B
DRAWN BY
RLR
CHECKED BY
RLR
DATE
1/30/19
DATE
1/30/19

DRAWING NUMBER
IRC-5316-150-26-I

SHEET 2 OF 2