

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)	195	177	168	160	154
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

- 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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +160.2 LBS/FT & -188.6 LBS/FT
  - DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
  - DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
  - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
  - DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE  
9' x 14'

DESIGN LOADS  
+35.6 PSF  
-41.9 PSF

TEST LOADS  
(1.5 x DESIGN LOADS)  
+53.4 PSF  
-62.9 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)  
Structural Solutions, PA (TX Firm #F-004063)

TX

5921-G W. Friendly Ave., Greensboro, NC 27410

**Amarr**

MODEL #500  
CLASSICA 1000, 2000

SIZE	DRAWN BY	DRC	DATE	01/13/21	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	01/19/21	IRC-5309-150-15-1

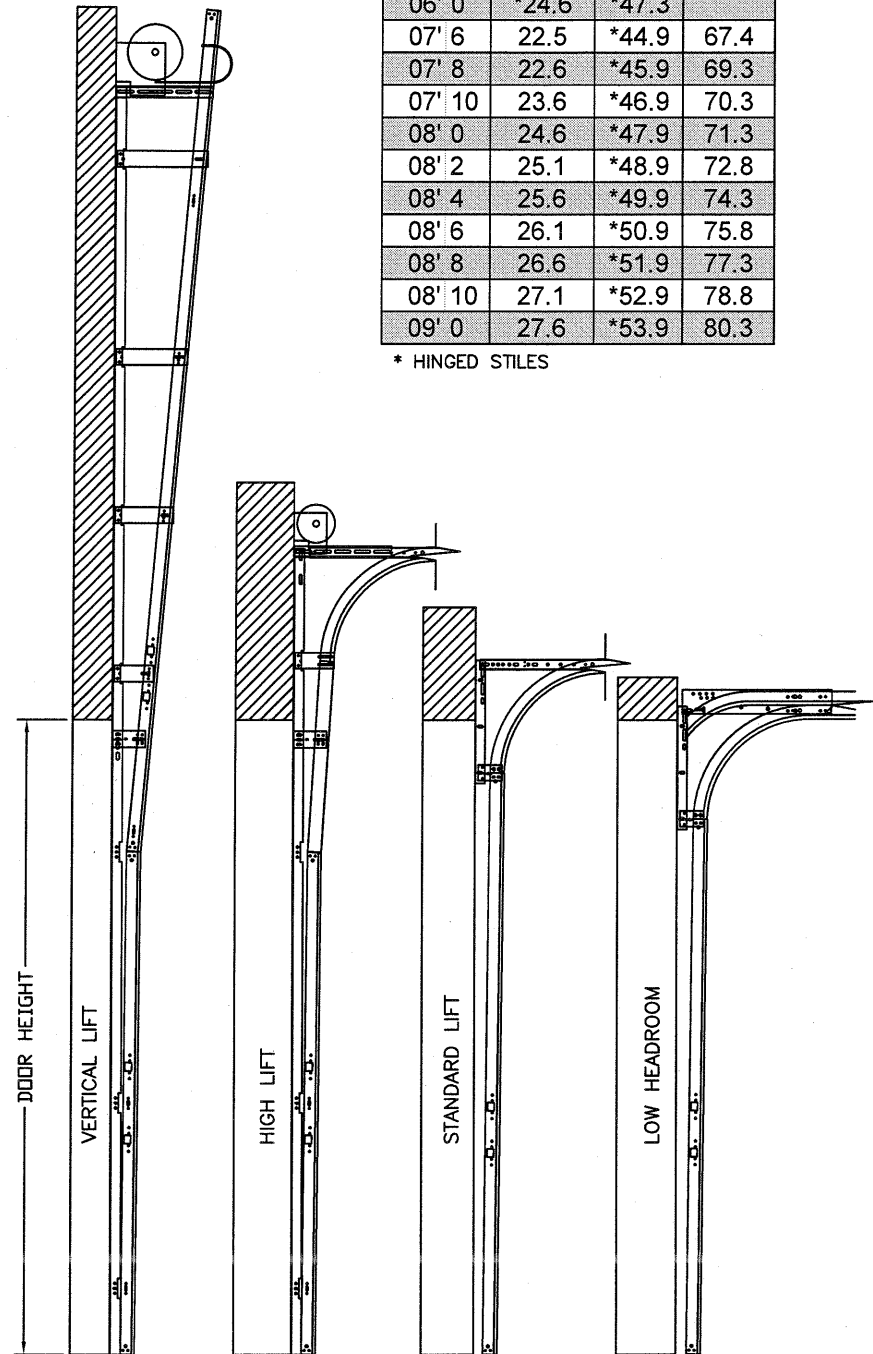
AMARR COMPANY  
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 2

TABLE 1

Section	Center Stile Locations (Measured from Left)		
	Width (ft)	1st (in)	2st (in)
06' 0	*24.6	*47.3	
07' 6	22.5	*44.9	67.4
07' 8	22.6	*45.9	69.3
07' 10	23.6	*46.9	70.3
08' 0	24.6	*47.9	71.3
08' 2	25.1	*48.9	72.8
08' 4	25.6	*49.9	74.3
08' 6	26.1	*50.9	75.8
08' 8	26.6	*51.9	77.3
08' 10	27.1	*52.9	78.8
09' 0	27.6	*53.9	80.3

\* HINGED STILES



AVAILABLE TRACK CONFIGURATIONS  
N.T.S.

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT									SPLICE S
	A	B	C	D	E	F	G	H	I	
6' 6"	3.5"	10"	21"	38"	57"					70"
7'	3.5"	10"	21"	42"	63"					76"
7' 6"	3.5"	10"	18"	36"	54"	72"				82"
8'	3.5"	10"	21"	38"	57"	75"				88"
8' 6"	3.5"	10"	21"	42"	63"	81"				94"
9'	3.5"	10"	18"	36"	54"	72"	90"			100"
9' 6"	3.5"	10"	21"	38"	57"	75"	93"			106"
10'	3.5"	10"	21"	42"	63"	81"	99"			112"
10' 6"	3.5"	10"	21"	42"	63"	84"	105"			118"
11'	3.5"	10"	21"	38"	57"	75"	93"	111"		124"
11' 6"	3.5"	10"	21"	42"	63"	81"	99"	117"		130"
12'	3.5"	10"	21"	42"	63"	84"	105"	123"		136"
12' 6"	3.5"	10"	21"	38"	57"	75"	93"	111"	129"	142"
13'	3.5"	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	3.5"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14'	3.5"	10"	21"	42"	63"	84"	105"	126"	147"	160"

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

TABLE 3

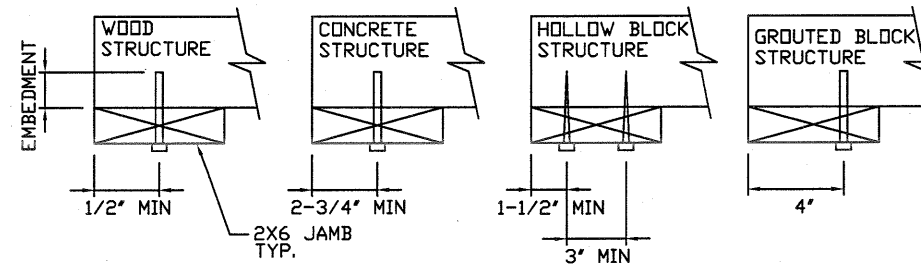
SECTION	STRUT SIZE
TOP	3"
	3"
5TH	3"
	3"
4TH	3"
	3"
3RD	3"
	3"
2ND	3"
	3"
BOTTOM	3"
	3"

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 24" 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 24" 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 16" 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 16" 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 24" O.C. (1 1/4"  
 EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

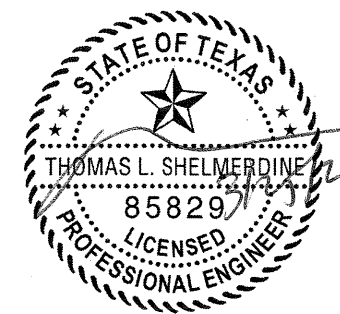
\*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.  
 \*PREPARATION OF WOOD JAMBS BY OTHERS



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