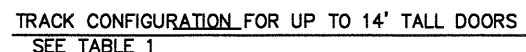
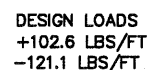


SPECIFICATIONS AND NOTES

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:
+102.6 LBS/FT & -121.1 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR AND INTERIOR SKIN, ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



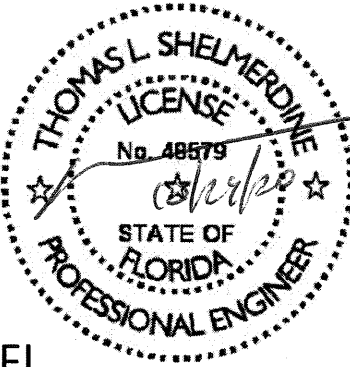
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9' x 14' DESIGN LOADS +22.8 PSF -26.9 PSF TEST LOADS +34.2 PSF -40.4 PSF		Thomas L. Shelmardine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL  Thomas L. Shelmardine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc.	
			
MODEL P500 AMARR OLYMPUS 500 MODEL D500 AMARR DESIGNERS CHOICE DC500			
SIZE	DRAWN BY	R/LR	DATE 08/01/16
B	CHECKED BY	R/LR	DATE 08/01/16
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-P509-120-1 SHEET 2 OF 3

TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT						TYPICAL SPLICE
		A	B	C	D	E	F	
7'	0"	10.0"	34"	58"				76"
7'	6"	10.0"	34"	58"				82"
8'	0"	10.0"	34"	58"				88"
9'	0"	10.0"	34"	58"	82"			100"
9'	6"	10.0"	34"	58"	82"			106"
10'	0"	10.0"	34"	58"	82"			112"
11'	0"	10.0"	34"	58"	82"	106"		124"
12'	0"	10.0"	34"	58"	82"	106"		136"
13'	0"	10.0"	34"	58"	82"	106"	130"	148"
14'	0"	10.0"	34"	58"	82"	106"	130"	160"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

TABLE 2

Section	Panel Type	Center Stile Location (Measured from Left Edge)		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'0	Short	24.406	47.594	34.2	40.3
6'0	Designers Choice	24.644	47.357	34.2	40.3
7'0	Short	29.200	54.800	29.3	34.5
7'0	Designers Choice	29.144	54.857	29.3	34.5
7'2	Short	30.200	55.800	28.6	33.7
7'2	Designers Choice	29.894	56.107	28.6	33.7
7'4	Short	31.200	56.800	27.9	33.0
7'4	Designers Choice	30.644	57.357	27.9	33.0
7'6	Short	32.200	57.800	27.3	32.2
7'6	Designers Choice	45.000		27.3	32.2
7'8	Short	32.200	60.000	26.7	31.5
7'8	Designers Choice	46.000		26.7	31.5
7'10	Short	33.000	61.000	26.1	30.9
7'10	Designers Choice	47.000		26.1	30.9
8'0	Short	48.000		25.6	30.2
8'0	Designers Choice	48.000		25.6	30.2
8'2	Short	49.000		25.1	29.6
8'2	Designers Choice	49.000		25.1	29.6
8'4	Short	50.000		24.6	29.0
8'4	Designers Choice	50.000		24.6	29.0
8'6	Short	51.000		24.1	28.4
8'6	Designers Choice	51.000		24.1	28.4
8'8	Short	52.000		23.6	27.9
8'8	Designers Choice	52.000		23.6	27.9
8'10	Short	53.000		23.2	27.4
8'10	Designers Choice	53.000		23.2	27.4
9'0	Short	54.000		22.8	26.9
9'0	Designers Choice	54.000		22.8	26.9

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

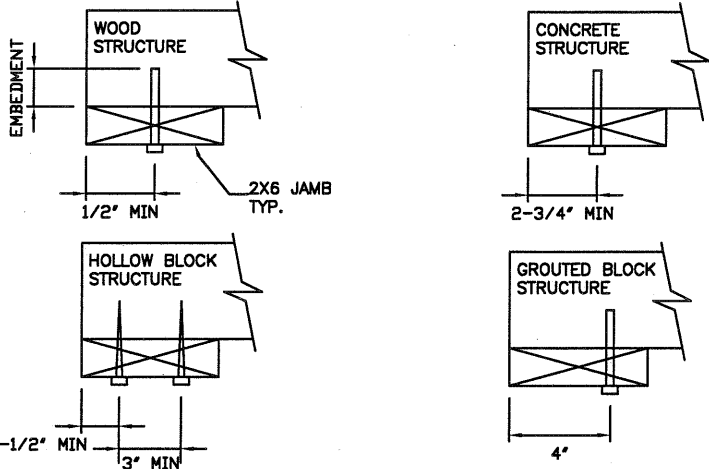
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

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 24" 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 24" 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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+22.8 PSF
-26.9 PSF

TEST LOADS
+34.2 PSF
-40.4 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
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Amarr

MODEL P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC500

SIZE	DRAWN BY	RLR	DATE	08/01/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	08/01/16	IRC-P509-120-11

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

SHEET 3 OF 3