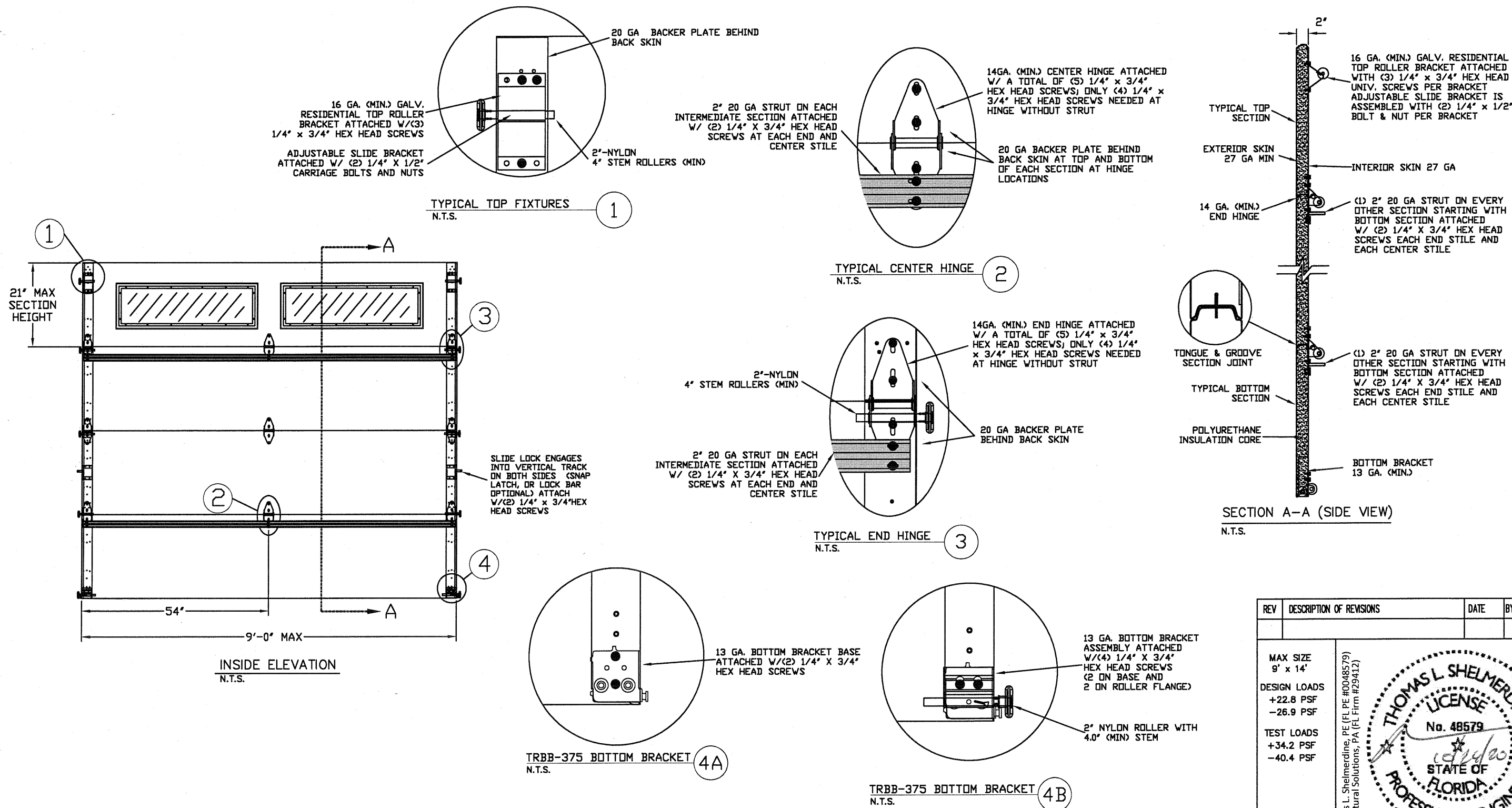




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	155	141	134	128	122
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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. SHELDERDINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

Thomas L. Sheldermine, 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

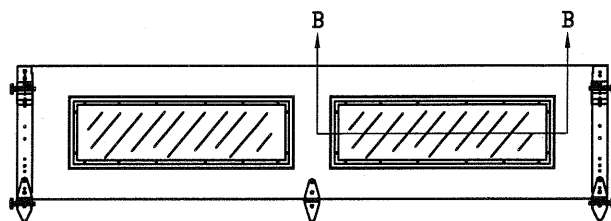
Amarr

MODEL C500 (CLAMSHELL)
AMARR OLYMPUS 3200,
AMARR DESIGNERS CHOICE 3200

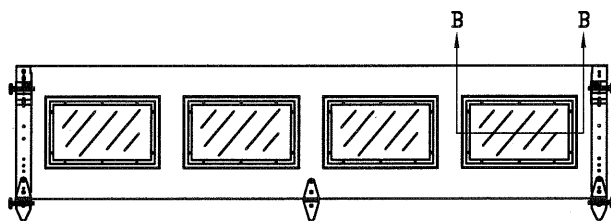
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	CHECKED BY RLR	DATE 11/18/15	

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

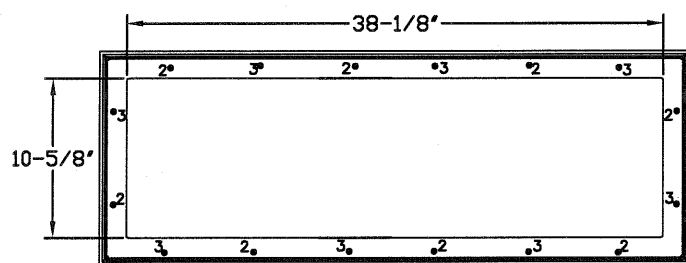
SHEET 1 OF 3



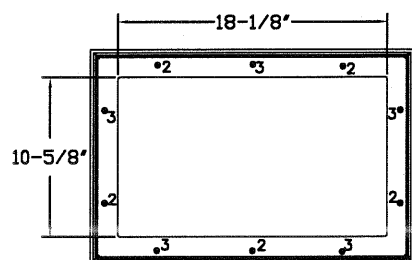
OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL LONG PANEL WINDOWS
N.T.S.



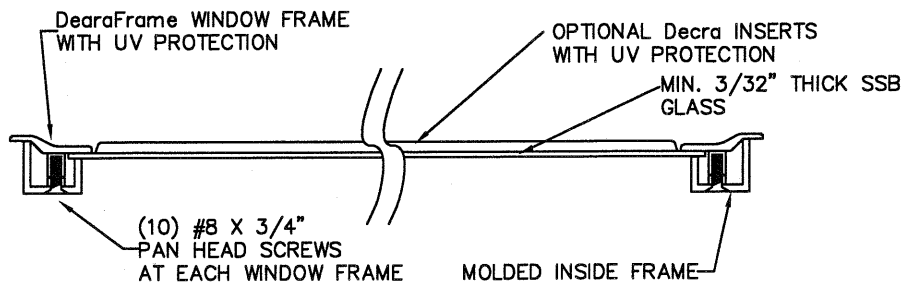
OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL SHORT PANEL WINDOWS
N.T.S.



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



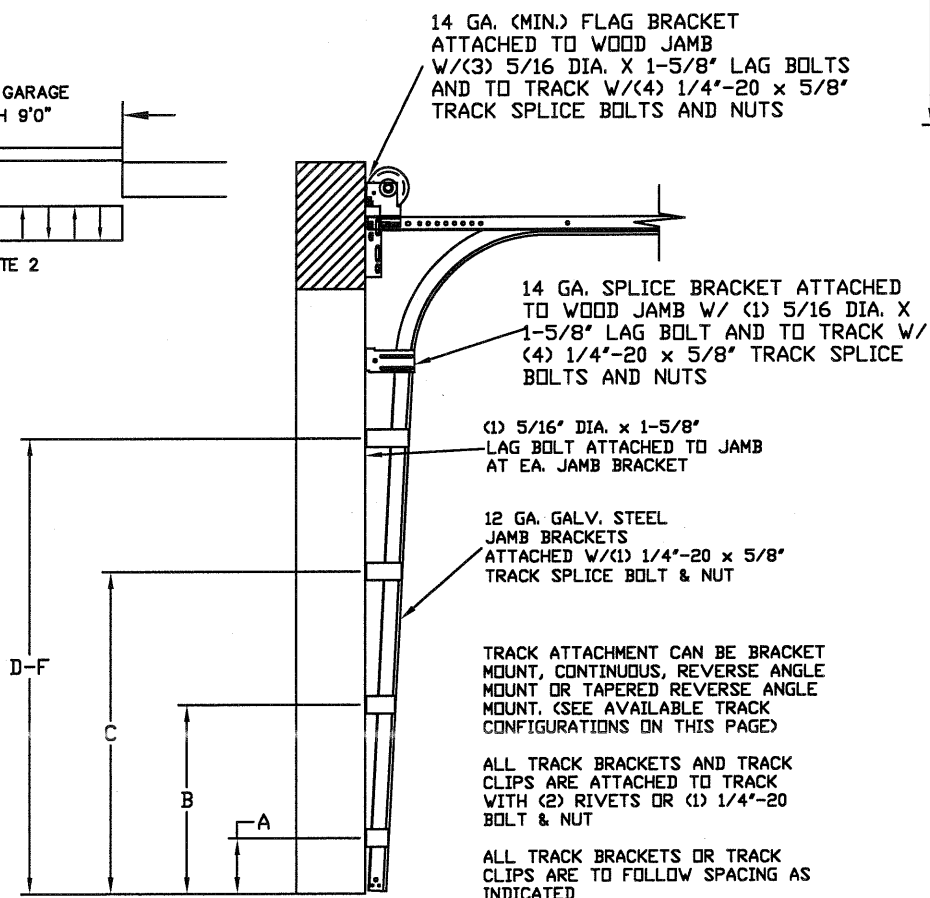
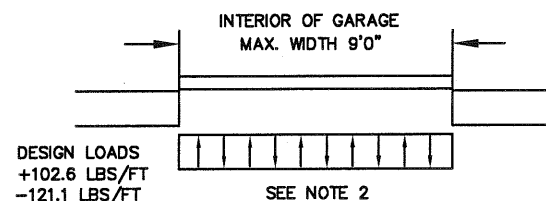
SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



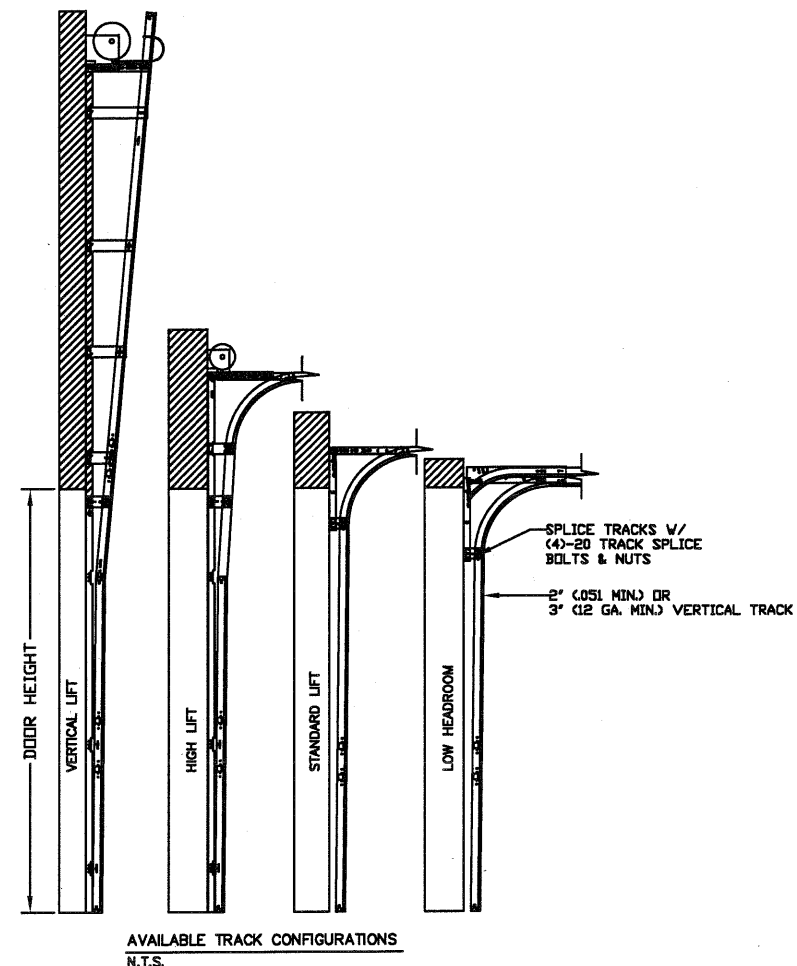
SECTION B-B RESIDENTIAL LONG PANEL WINDOW DETAIL
N.T.S.

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.



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS
SEE TABLE 1



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) Structural Solutions, PA (FL Firm #29412) FL Thomas L. Shelmerdine Professional Engineer No. 48579 STATE OF FLORIDA dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410		
	Amarr MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200		
SIZE	DRAWN BY RLR	DATE 11/18/15	DRAWING NUMBER
B	CHECKED BY RLR	DATE 11/18/15	IRC-C509-120-11
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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
7' 0	Short	29.200	54.800	29.3	34.5
7' 2	Short	30.200	55.800	28.6	33.7
7' 4	Short	31.200	56.800	27.9	33.0
7' 6	Short	32.200	57.800	27.3	32.2
7' 8	Short	32.200	60.000	26.7	31.5
7' 10	Short	33.000	61.000	26.1	30.9
8' 0	Short	48.000		25.6	30.2
8' 2	Short	49.000		25.1	29.6
8' 4	Short	50.000		24.6	29.0
8' 6	Short	51.000		24.1	28.4
8' 8	Short	52.000		23.6	27.9
8' 10	Short	53.000		23.2	27.4
9' 0	Short	54.000		22.8	26.9

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

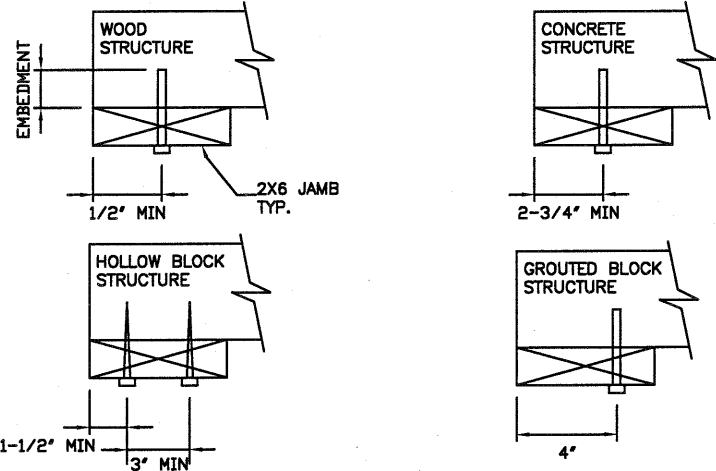
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

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



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