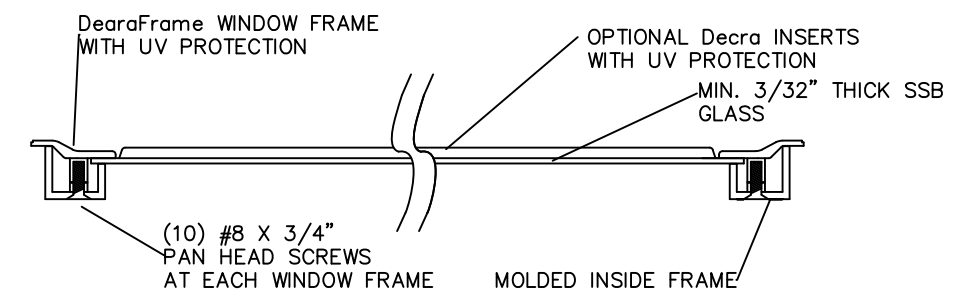


1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+163.8 LBS/FT & -185.4 LBS/FT
3. DOOR 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. DOORS UP TO 14'0" HIGH ALTERNATE BETWEEN (1) & (2) 3" 20GA STRUTS STARTING WITH (2) 3" 20GA STRUTS ON THE BOTTOM SECTION.
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



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

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TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT											TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	
7'	0"	10.0"	34"	46"	58"								76"
7'	6"	10.0"	34"	46"	58"								82"
8'	0"	10.0"	34"	46"	58"	70"							88"
9'	0"	10.0"	34"	46"	58"	70"	82"						100"
9'	6"	10.0"	34"	46"	58"	70"	82"						106"
10'	0"	10.0"	34"	46"	58"	70"	82"	94"					112"
11'	0"	10.0"	34"	46"	58"	70"	82"	94"	106"				124"
12'	0"	10.0"	34"	46"	58"	70"	82"	94"	106"	118"			136"
13'	0"	10.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"		148"
14'	0"	10.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	160"

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

TABLE 2

Section	Panel Type	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
Width (ft)		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	50.27	97.00	143.73	20.2	22.9
16' 2	Long	51.17	97.00	142.83	20.2	22.9
16' 4	Short	51.27	98.00	144.73	20.0	22.7
16' 4	Long	52.17	98.00	143.83	20.0	22.7
16' 6	Short	52.27	99.00	145.73	19.8	22.4
16' 6	Long	51.34	99.00	146.66	19.8	22.4
16' 8	Short	51.34	100.00	148.66	19.6	22.2
16' 8	Long	52.20	100.00	147.80	19.6	22.2
16' 10	Short	51.50	101.00	150.50	19.4	22.0
16' 10	Long	53.20	101.00	148.80	19.4	22.0
17' 0	Short	53.34	102.00	150.66	19.2	21.8
17' 0	Long	54.20	102.00	149.80	19.2	21.8
17' 2	Short	53.00	103.00	153.00	19.0	21.6
17' 2	Long	55.20	103.00	150.80	19.0	21.6
17' 4	Short	54.00	104.00	154.00	18.9	21.3
17' 4	Long	56.20	104.00	151.80	18.9	21.3
17' 6	Short	55.00	105.00	155.00	18.7	21.1
17' 6	Long	57.20	105.00	152.80	18.7	21.1
17' 8	Short	54.80	106.00	157.20	18.5	20.9
17' 8	Long	55.80	106.00	156.20	18.5	20.9
17' 10	Short	55.80	107.00	158.20	18.3	20.7
17' 10	Long	56.25	107.00	157.75	18.3	20.7
18' 0	Short	57.25	108.00	158.75	18.2	20.6
18' 0	Long	57.80	108.00	158.20	18.2	20.6

TABLE 3

SECTION	STRUT SIZE
8TH	3"
7TH	3"
	3"
6TH	3"
5TH	3"
	3"
4TH	3"
3RD	3"
	3"
2ND	3"
BOTTOM	3"
	3"

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 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)

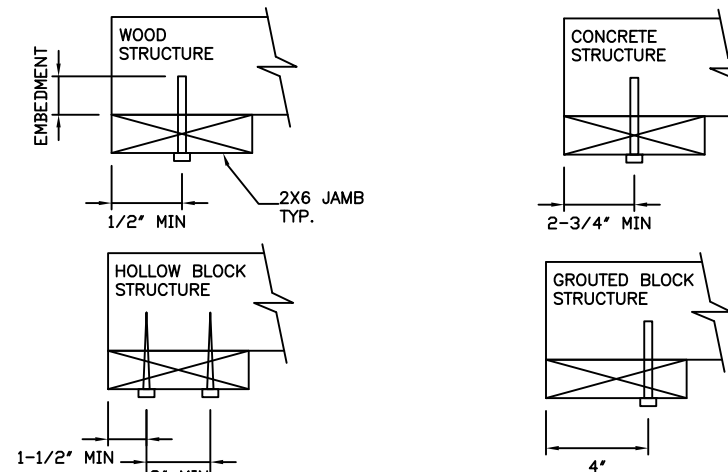
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 24" O.C. (1 1/4" EMBEDMENT)

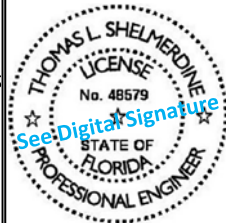
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +18.2 PSF -20.6 PSF TEST LOADS (1.5 x DESIGN LOADS) +27.3 PSF -30.9 PSF	 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	This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies.
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Amarr

MODEL C500 (CLAMSHELL)				
AMARR OLYMPUS 3200,				
AMARR DESIGNERS CHOICE 3200				
SIZE	DRAWN BY	RLR	DATE 10/19/15	DRAWING NUMBER IRC-C518-110-15
B	CHECKED BY	RLR	DATE 10/19/15	

AMARR COMPANY

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

SHEET 3 OF 3