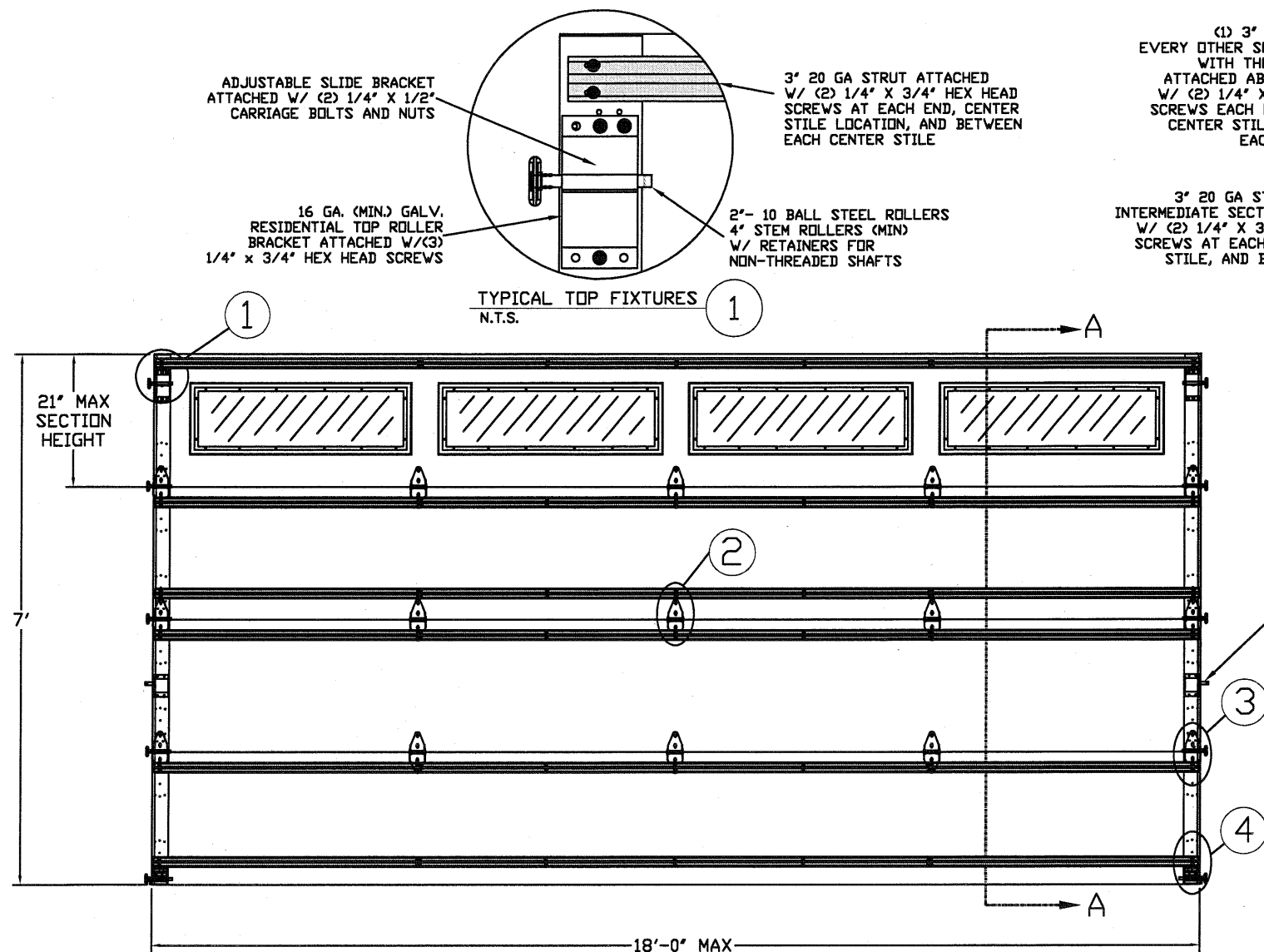


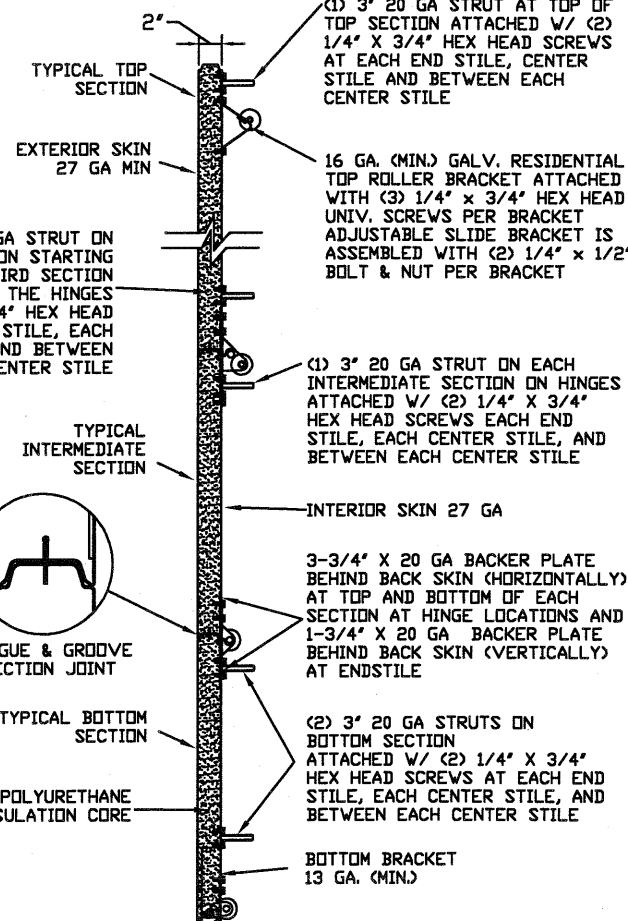


TYPICAL TOP FIXTURES
N.T.S.

TYPICAL CENTER HINGE
N.T.S.

SLIDE LOCK ENGAGES INTO VERTICAL TRACK ON BOTH SIDES (SNAP LATCH, OR LOCK BAR OPTIONAL) ATTACH W/ (2) 1/4" X 3/4" HEX HEAD SCREWS

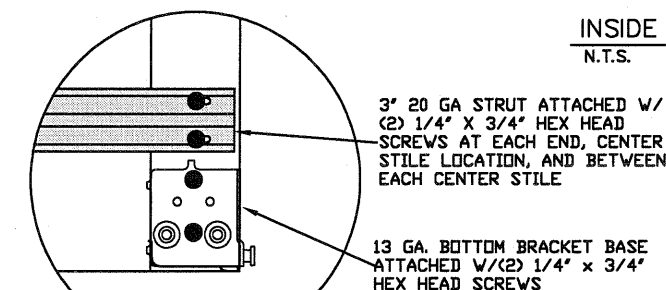
(1) 3' 20 GA STRUT ON EVERY OTHER SECTION STARTING WITH THE THIRD SECTION ATTACHED ABOVE THE HINGES W/ (2) 1/4" X 3/4" HEX HEAD SCREWS EACH END STILE, EACH CENTER STILE, AND BETWEEN EACH CENTER STILE



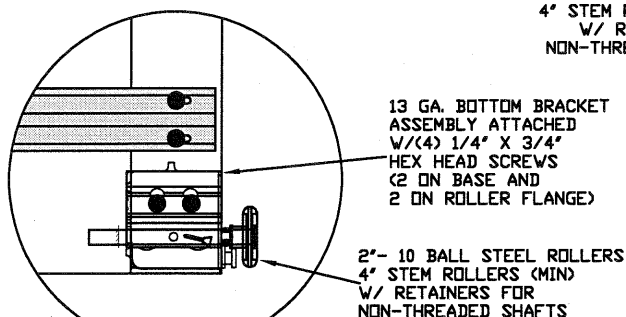
SECTION A-A (SIDE VIEW)

INSIDE ELEVATION
N.T.S.

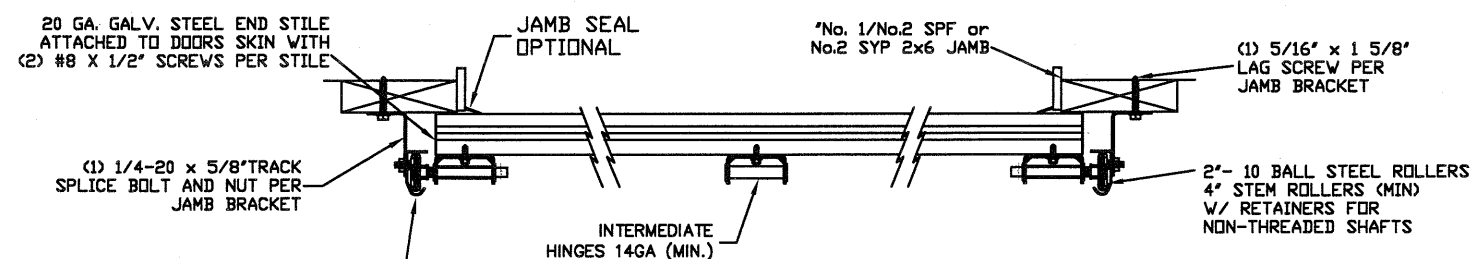
TYPICAL END HINGE
N.T.S.



TRBB-375 BOTTOM BRACKET
N.T.S.



TRBB-375 BOTTOM BRACKET
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

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

WIND SPEED (MPH)	142	129	123	117	112
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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)

FL

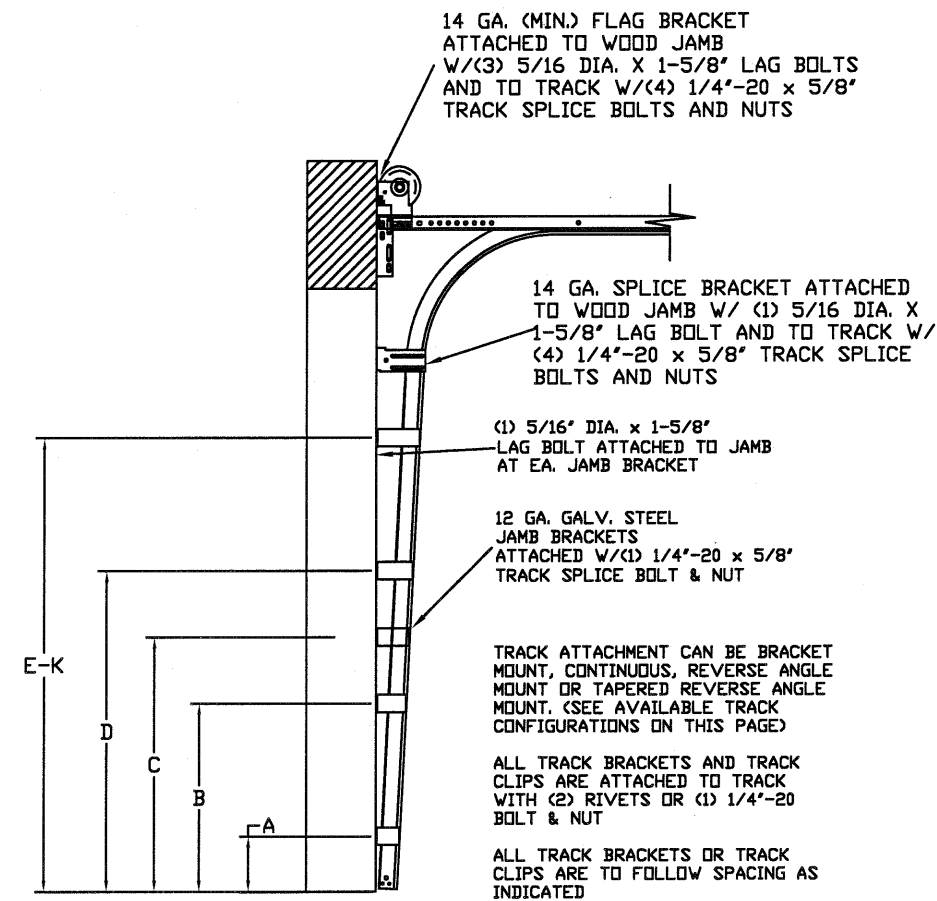
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

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

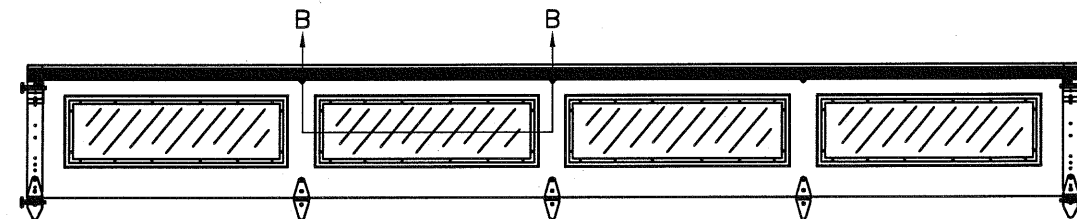
SIZE	DRAWN BY	RLR	DATE	10/19/15	DRAWING NUMBER IRC-C518-110-15
B	CHECKED BY	RLR	DATE	10/19/15	

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

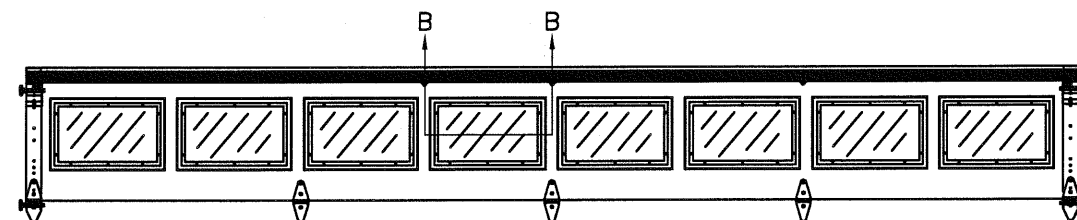
SHEET 1 OF 3



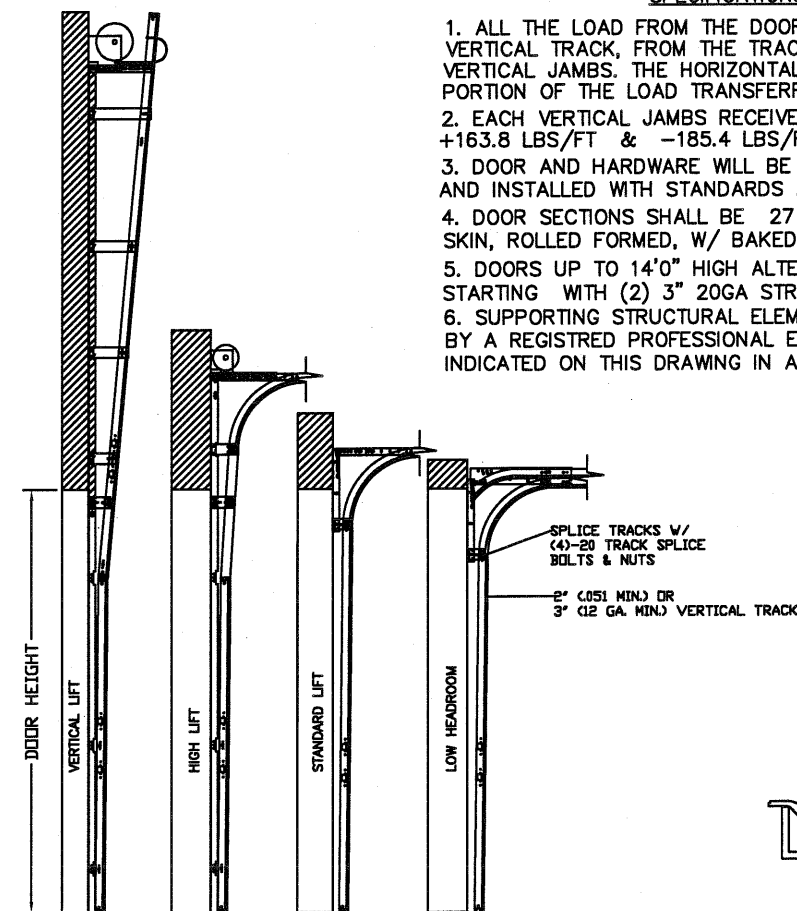
TRACK CONFIGURATION FOR UP TO 14' TALL DOORS
SEE TABLE 1



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

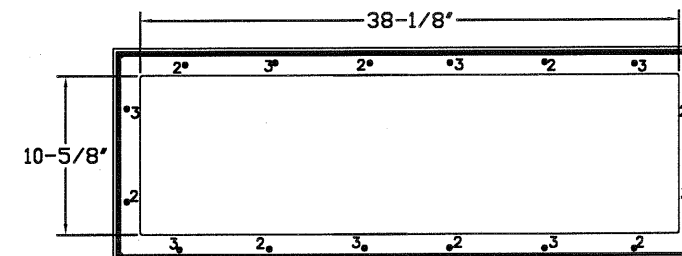


OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL SHORT PANEL WINDOWS AND STRUT LAYOUT
N.T.S.

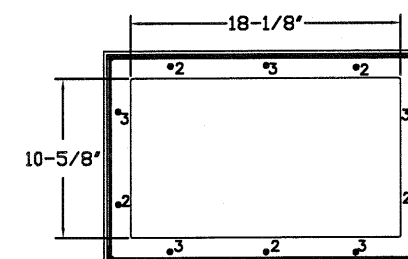


AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 2



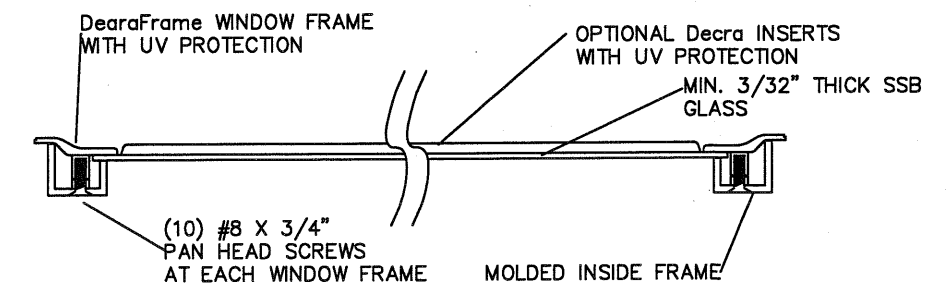
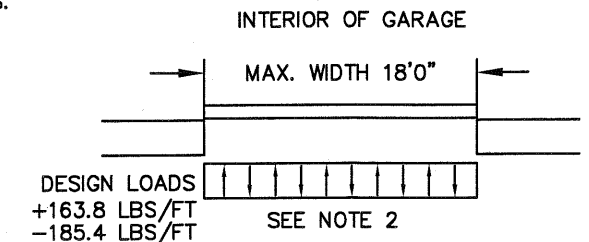
LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL GLAZING FASTENER 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: +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.

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) Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)			
MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200			
SIZE	DRAWN BY RLR	DATE 10/19/15	DRAWING NUMBER
B	CHECKED BY RLR	DATE 10/19/15	IRC-C518-110-15
ENTREMATIC			SHEET 2 OF 3
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			

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	
		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

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)

FL

Thomas L. Shelmerdine, PE (FL PE #0048579)
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	10/19/15	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	10/19/15	IRC-C518-110-15

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

SHEET 3 OF 3