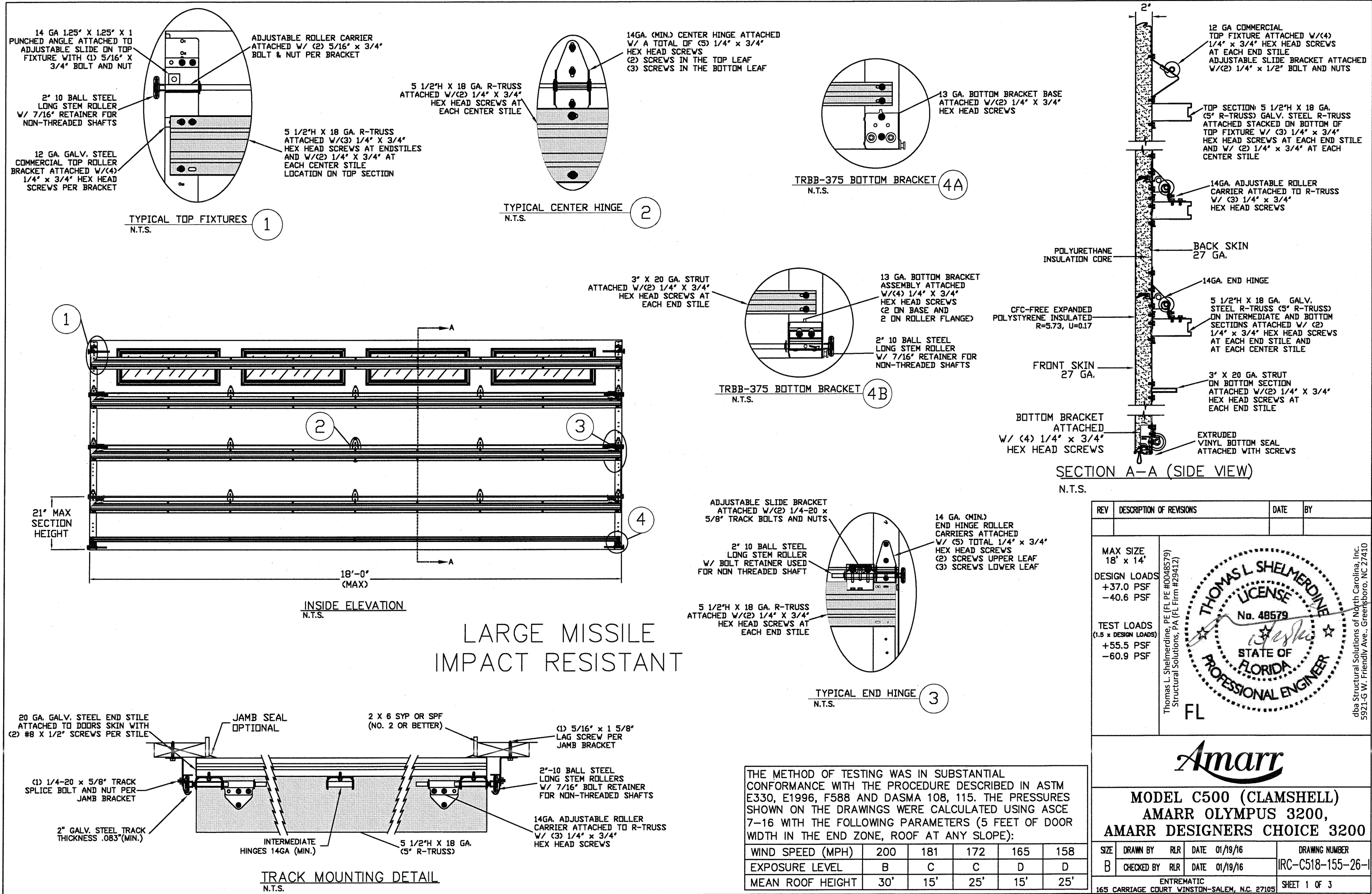
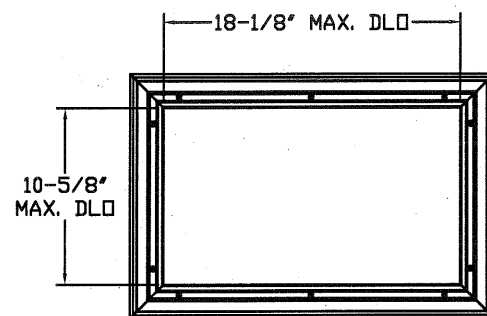
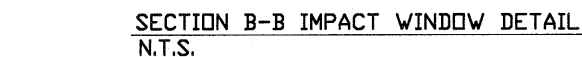
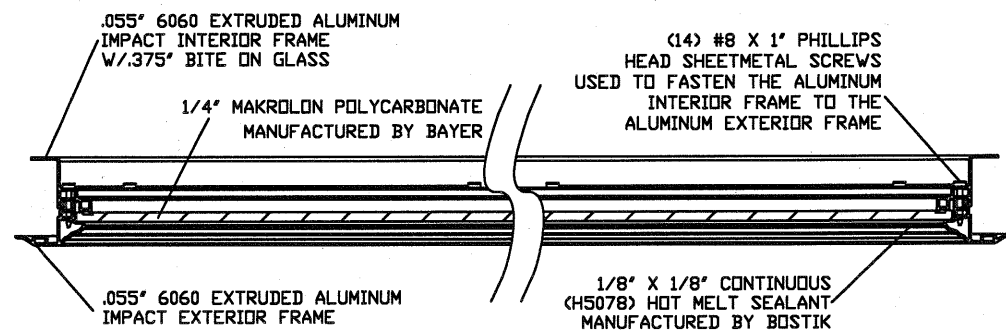
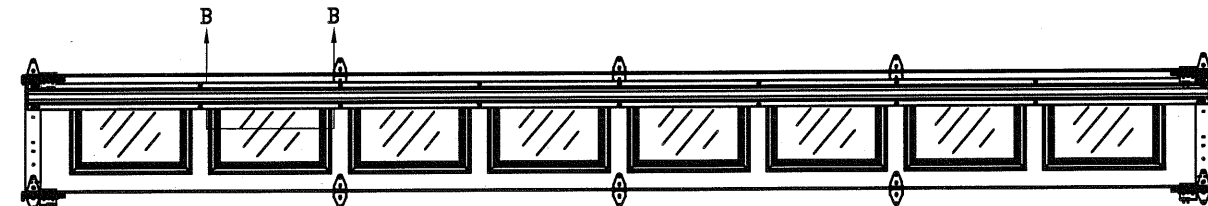
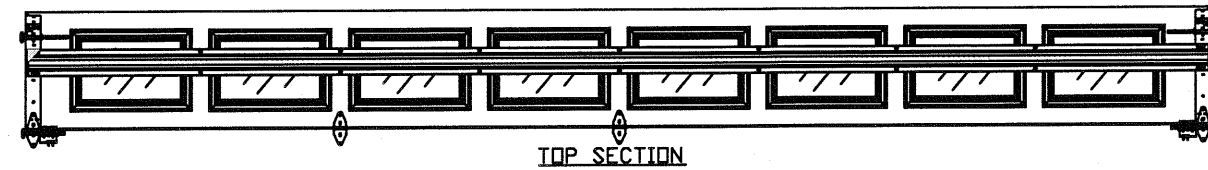
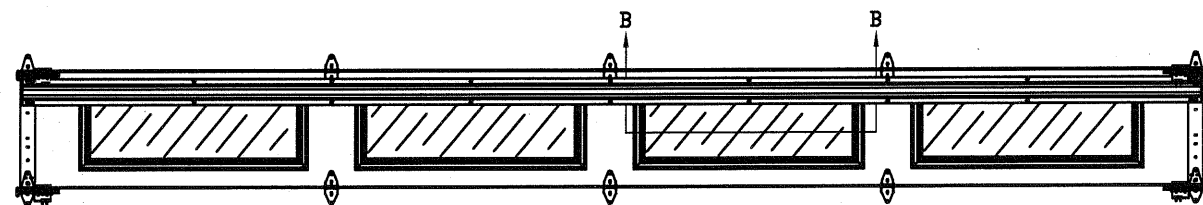
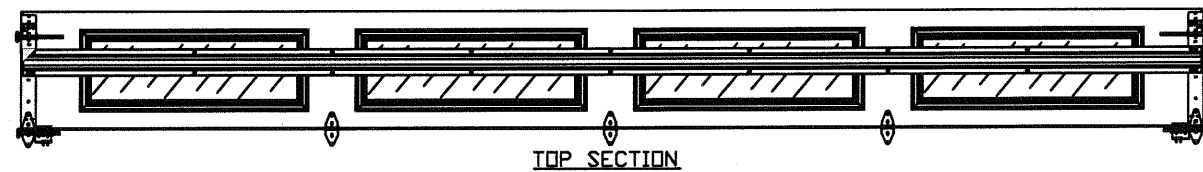


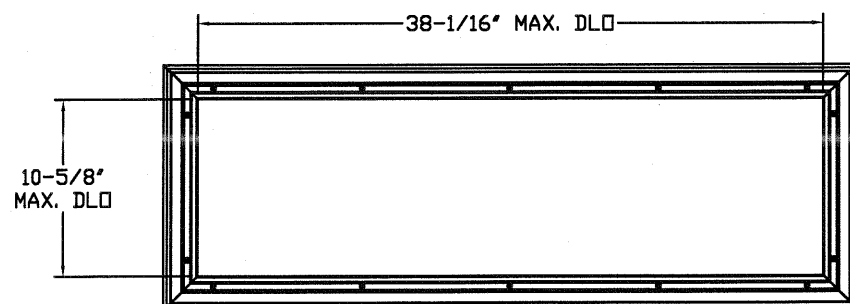


OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

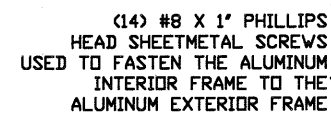
N.T.S.



SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



1/8" X 1/8" CONTINUOUS
(H5078) HOT MELT SEALANT
MANUFACTURED BY BOSTIK

14 GA. (MIN.) FLAG BRACKET
ATTACHED TO WOOD JAMB
W/(3) 5/16 DIA. X 1-5/8" LAG BOLTS
AND TO TRACK W/(4) 1/4"-20 X 5/8"
TRACK SPLICE BOLTS AND NUTS

14 GA. SPLICE BRACKET ATTACHED
TO WOOD JAMB W/ (1) 5/16 DIA. X
1-5/8" LAG BOLT AND TO TRACK W/
(4) 1/4"-20 x 5/8" TRACK SPLICE
BOLTS AND NUTS

(1) 5/16" DIA. x 1-5/8"
—LAG BOLT ATTACHED TO JAMB
AT EA. JAMB BRACKET

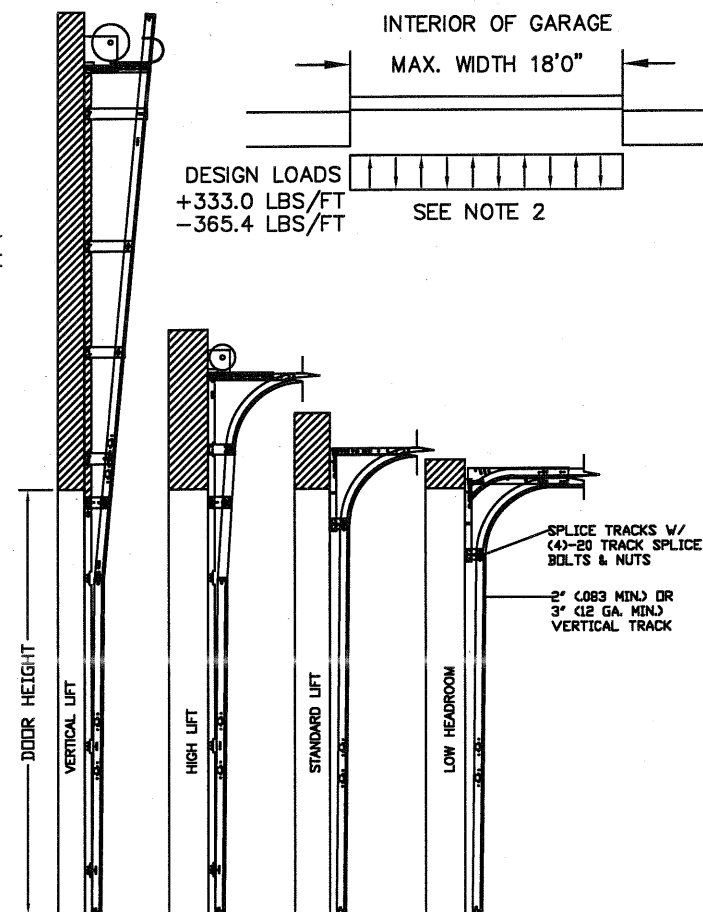
12 GA. GALV. STEEL
JAMB BRACKETS
/ ATTACHED W/(1) 1/4"-20 x 5/8"
TRACK SPLICE BOLT & NUT

TRACK ATTACHMENT CAN BE BRACKET MOUNT, CONTINUOUS, REVERSE ANGLE MOUNT OR TAPERED REVERSE ANGLE MOUNT. (SEE AVAILABLE TRACK CONFIGURATIONS ON THIS PAGE)

ALL TRACK BRACKETS AND TRACK
CLIPS ARE ATTACHED TO TRACK
WITH (2) RIVETS OR (1) 1/4"-20
BOLT & NUT

ALL TRACK BRACKETS OR TRACK
CLIPS ARE TO FOLLOW SPACING AS
INDICATED

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



DESIGN LOADS
+333.0 LBS/FT
-365.4 LBS/FT

SEE NOTE 2

— SPLICE TRACKS W/
(4)—20 TRACK SPLICE
BOLTS & NUTS

— 2" (083 MIN.) DR
3" (12 GA. MIN.)
VERTICAL TRACK

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: +333.0 LBS/FT & -365.4 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 USE (1) 5.5" 18GA R-TRUSS PER SECTION AND (1) 3" STRUT 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.

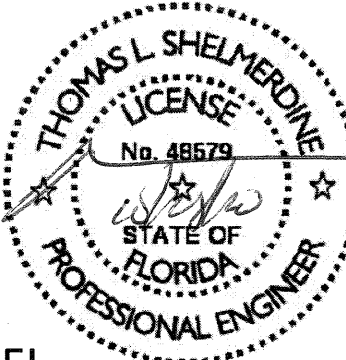
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' x 14' DESIGN LOADS +37.0 PSF -40.6 PSF TEST LOADS (1.5 x DESIGN LOADS) +55.5 PSF -60.9 PSF		Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200			
SIZE	DRAWN BY	RLR	DATE 01/19/16
B	CHECKED BY	RLR	DATE 01/19/16
ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-C518-155-26-1
SHEET 2 OF 3			

TABLE 1

HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6' 0"	3.5"	10"	22"	34"	46"	58"									64"
6' 6"	3.5"	10"	22"	34"	46"	58"									70"
7' 0"	3.5"	10"	22"	34"	46"	58"	70"								76"
7' 6"	3.5"	10"	22"	34"	46"	58"	70"								82"
8' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"							88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"							94"
9' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"						100"
9' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"						106"
10' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					112"
10' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					118"
11' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				124"
11' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				130"
12' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			136"
12' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			142"
13' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		148"
13' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		154"
14' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	160"

ALL TRACK ATTACHMENT SPACING +/- 3/4" ALLOWED WITH 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	41.1	45.2
16' 2	Long	51.17	97.00	142.83	41.1	45.2
16' 4	Short	51.27	98.00	144.73	40.7	44.7
16' 4	Long	52.17	98.00	143.83	40.7	44.7
16' 6	Short	52.27	99.00	145.73	40.3	44.2
16' 6	Long	51.34	99.00	146.66	40.3	44.2
16' 8	Short	51.34	100.00	148.66	39.9	43.8
16' 8	Long	52.20	100.00	147.80	39.9	43.8
16' 10	Short	51.50	101.00	150.50	39.5	43.4
16' 10	Long	53.20	101.00	148.80	39.5	43.4
17' 0	Short	53.34	102.00	150.66	39.1	42.9
17' 0	Long	54.20	102.00	149.80	39.1	42.9
17' 2	Short	53.00	103.00	153.00	38.7	42.5
17' 2	Long	55.20	103.00	150.80	38.7	42.5
17' 4	Short	54.00	104.00	154.00	38.4	42.1
17' 4	Long	56.20	104.00	151.80	38.4	42.1
17' 6	Short	55.00	105.00	155.00	38.0	41.7
17' 6	Long	57.20	105.00	152.80	38.0	41.7
17' 8	Short	54.80	106.00	157.20	37.6	41.3
17' 8	Long	55.80	106.00	156.20	37.6	41.3
17' 10	Short	55.80	107.00	158.20	37.3	40.9
17' 10	Long	56.25	107.00	157.75	37.3	40.9
18' 0	Short	57.25	108.00	158.75	37.0	40.6
18' 0	Long	57.80	108.00	158.20	37.0	40.6

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

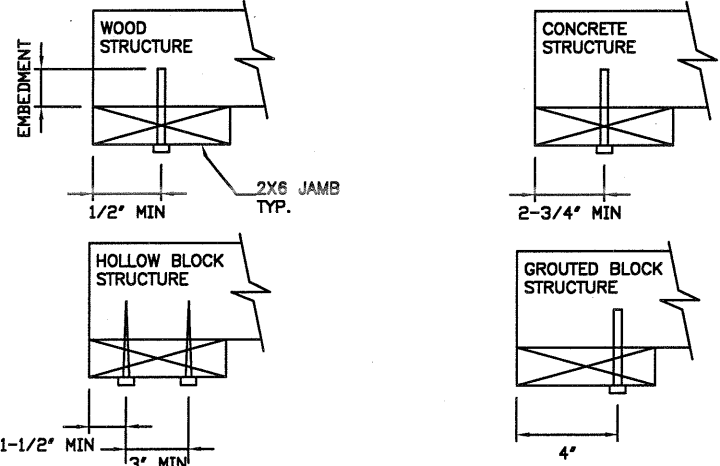
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 14" O.C. (1 1/2" EMBEDMENT)

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 12" 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 8 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 8" 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 14" 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
+37.0 PSF
-40.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+55.5 PSF
-60.9 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

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	01/19/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	01/19/16	IRC-C518-155-26-I

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

SHEET 3 OF 3