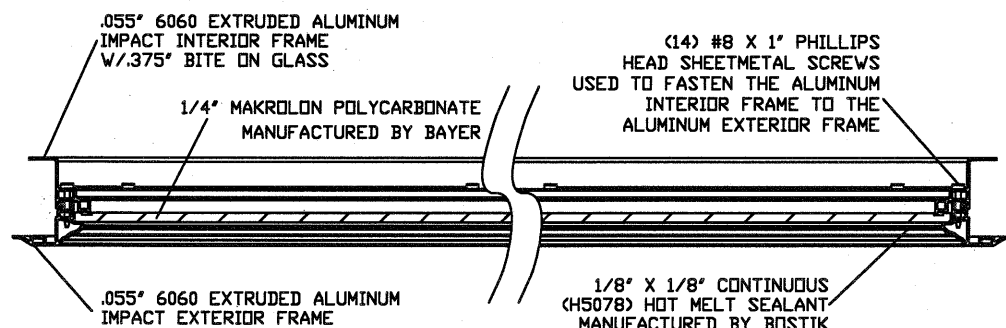
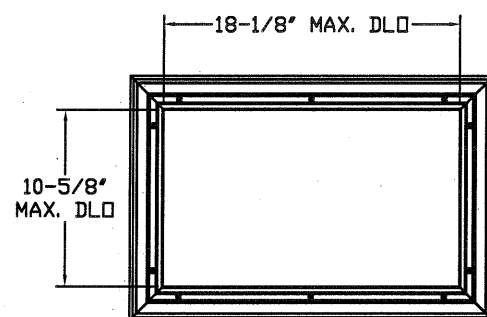


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B	CHECKED BY RLR	DATE 01/13/16	IRC-C516-155-26-1
ENTRETMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			SHEET 1 OF 3

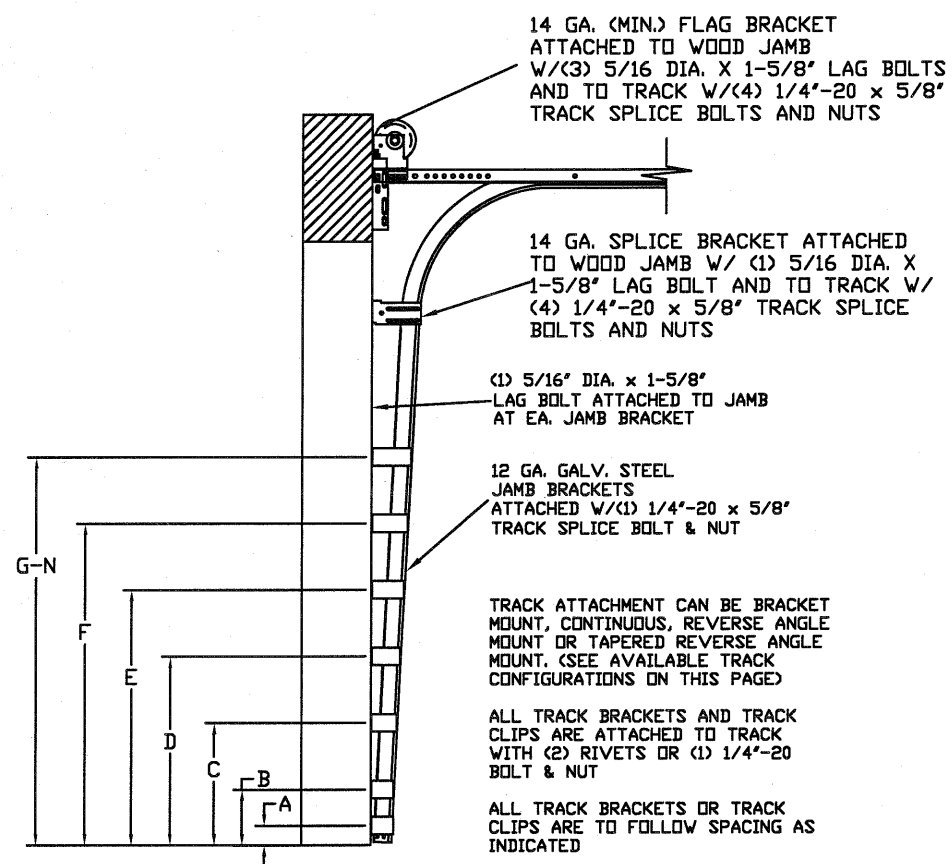
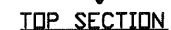
N.T.S.



SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

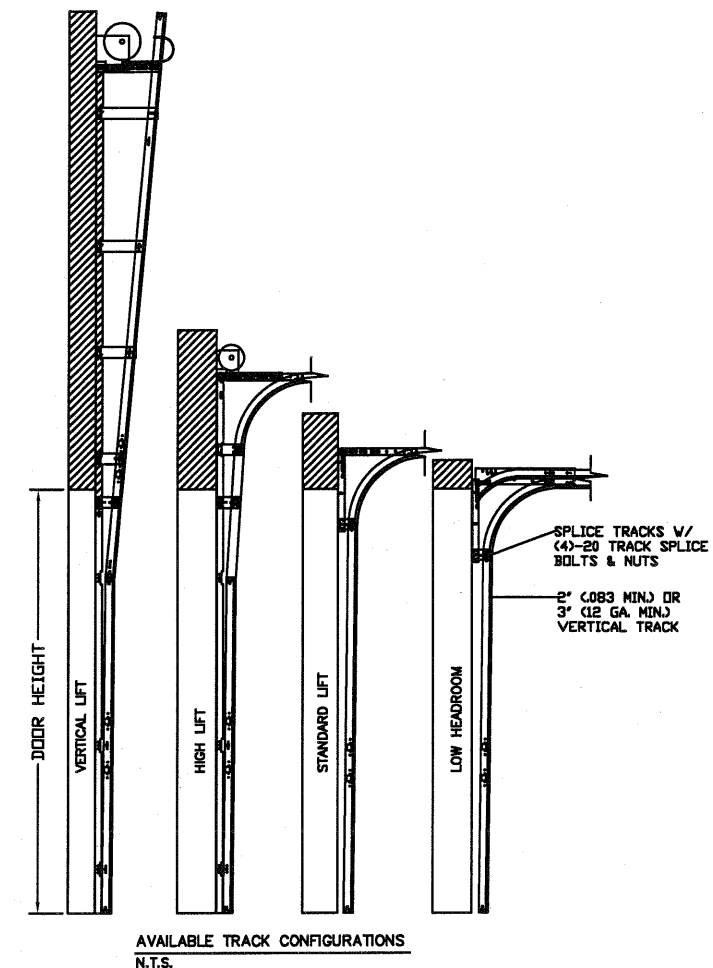


SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



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

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:
+291.2 LBS/FT & -331.2 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" USE (1) 5.5" 18GA R-TRUSS PER 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 16' x 14' DESIGN LOADS +36.4 PSF -41.4 PSF TEST LOADS (1.5 x DESIGN LOADS) +54.6 PSF -62.1 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
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MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200			
SIZE	DRAWN BY	R/LR	DATE 01/13/16
B	CHECKED BY	R/LR	DATE 01/13/16
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-C516-155-26-
SHEET 2 OF 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 16" 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 14" 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 16" 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

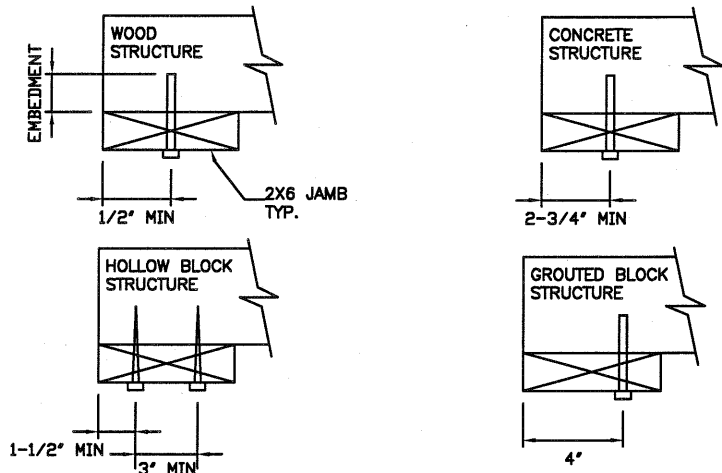


TABLE 1

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 +/- 2" 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)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
13' 10"	Short	57.16	82.94	108.71		42.1	47.8
14' 0"	Short	57.76	83.94	110.11		41.6	47.3
14' 2"	Short	58.85	84.94	111.41		41.1	46.7
14' 4"	Short	59.16	85.94	112.71		40.6	46.2
14' 6"	Short	59.86	86.94	114.01		40.1	45.6
14' 8"	Short	60.56	87.94	115.31		39.7	45.1
14' 8"	Long	44.81	88.00	131.19		39.7	45.1
14' 10"	Short	61.26	88.94	116.61		39.2	44.6
14' 10"	Long	45.60	89.00	132.40		39.2	44.6
15' 0"	Short	61.94	89.94	117.94		38.8	44.1
15' 0"	Long	46.60	90.00	133.40		38.8	44.1
15' 2"	Short	62.66	90.94	119.21		38.4	43.6
15' 2"	Long	47.60	91.00	134.40		38.4	43.6
15' 4"	Short	53.60	79.20	104.80	130.40	37.9	43.2
15' 4"	Long	47.25	92.00	136.75		37.9	43.2
15' 6"	Short	46.62	93.00	139.38		37.5	42.7
15' 6"	Long	47.60	93.00	138.40		37.5	42.7
15' 8"	Short	47.62	94.00	140.38		37.1	42.2
15' 8"	Long	48.60	94.00	139.40		37.1	42.2
15' 10"	Short	48.62	95.00	141.38		36.7	41.8
15' 10"	Long	49.17	95.00	140.83		36.7	41.8
16' 0"	Short	49.62	96.00	142.38		36.4	41.4
16' 0"	Long	50.60	96.00	141.40		36.4	41.4

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+36.4 PSF
-41.4 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+54.6 PSF
-62.1 PSF

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

FL

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

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	01/13/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	01/13/16	IRC-C516-155-26-I

ENTREMATICS
165 CARRIAGE COURT WINSTON-SALEM, NC 27105

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