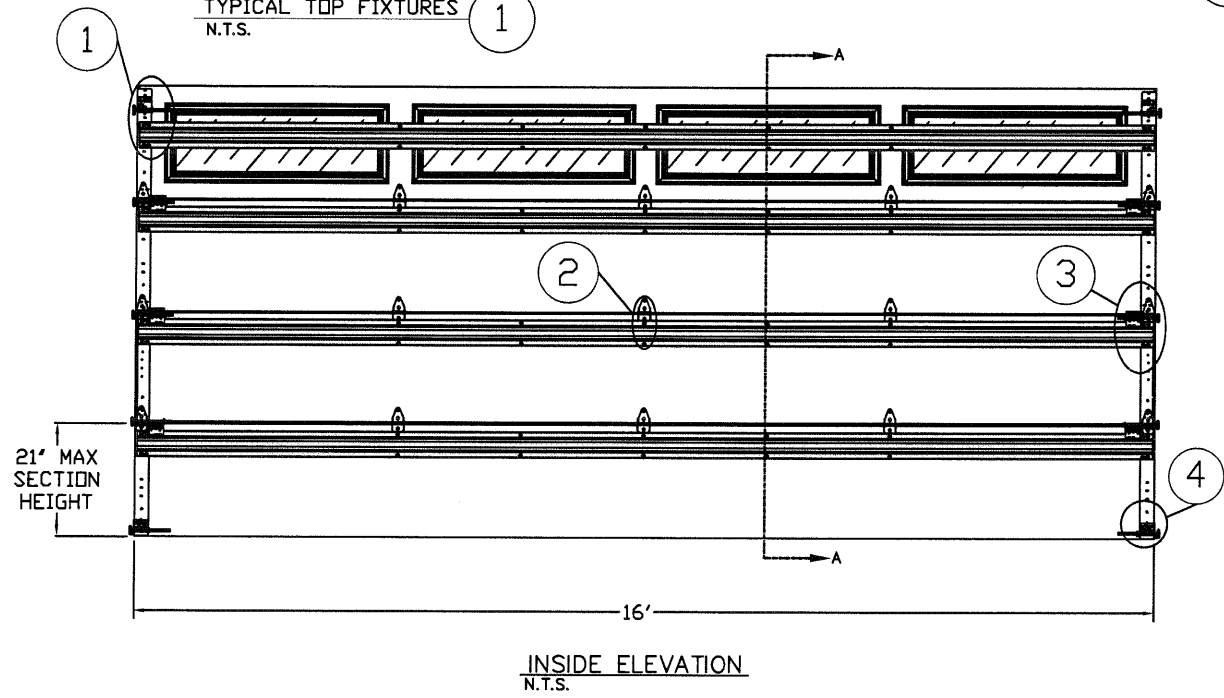


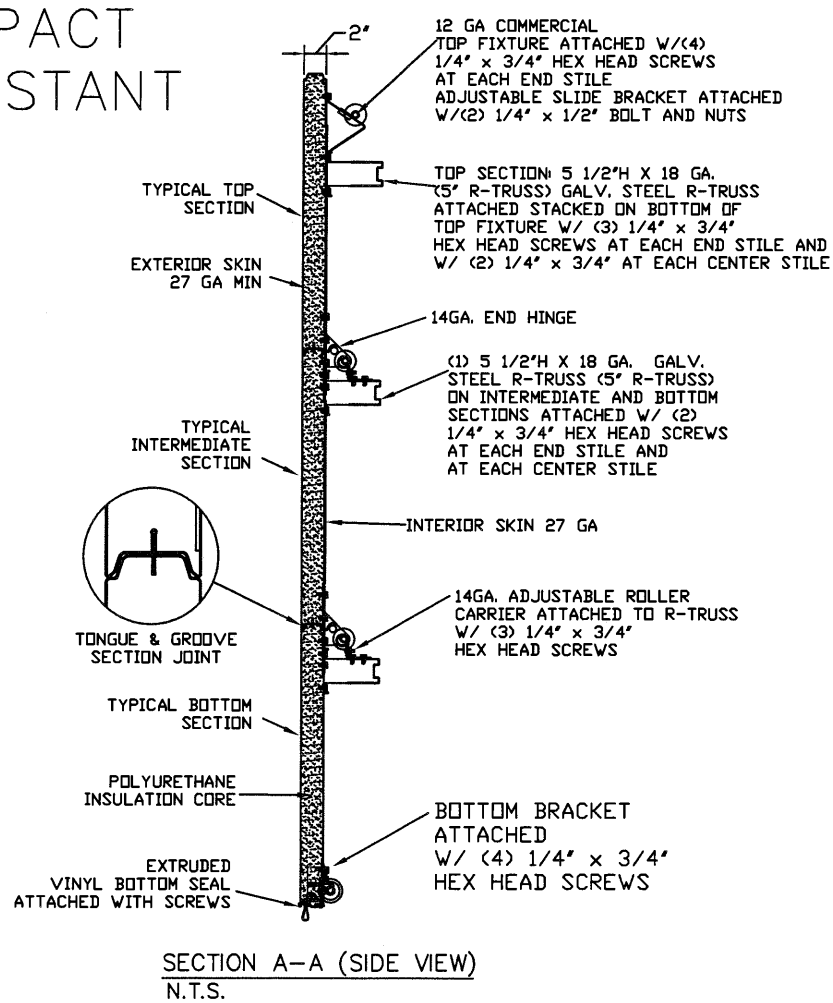
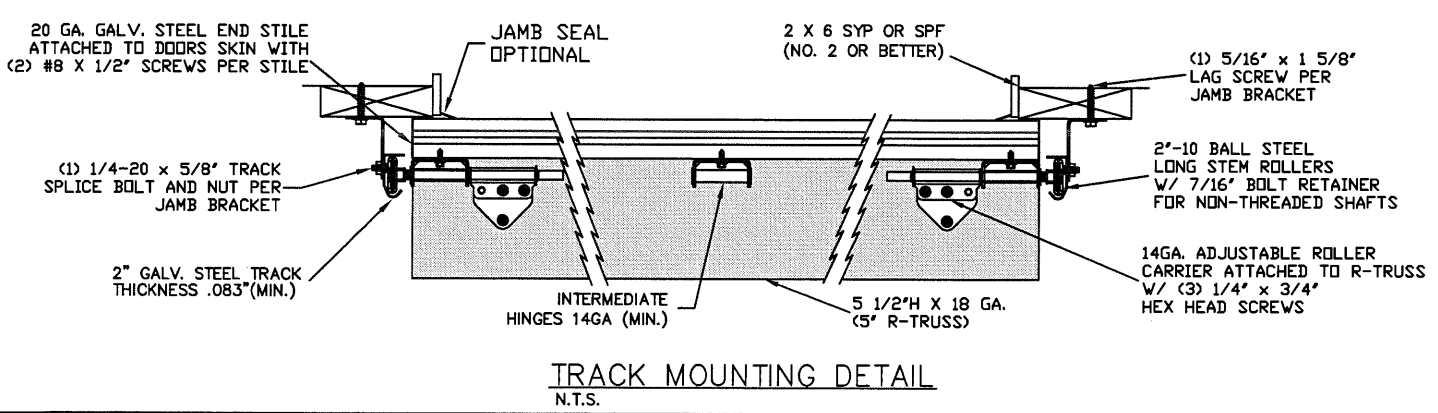
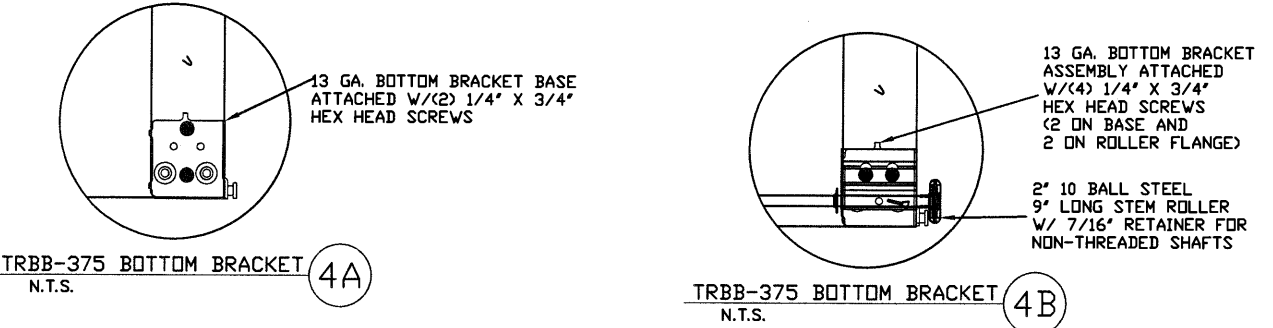
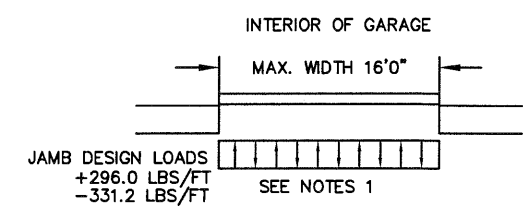
THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 & 115, ASTM E330, E1886, E1996, & F588. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE I=1.0):

WIND SPEED (MPH)	155	141	134	128	123
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

- SPECIFICATIONS AND NOTES**
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +296.0 LBS/FT & -331.2 LBS/FT
 - DOOR SECTIONS SHALL BE 27 GA. MIN. (.0151") ROLLED FORMED LIGHT COMMERCIAL QUALITY
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



LARGE MISSILE IMPACT RESISTANT



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS +37.0 PSF -41.4 PSF

TEST LOADS +55.5 PSF -62.1 PSF

Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #004065)

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER
TX

Amarr
ENTREMATIC

MODEL P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC-500

SIZE	DRAWN BY	RLR	DATE	02/01/18	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	02/01/18	IRC-P516-155-26-1

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

5921-G W. Friendly Ave., Greensboro, NC 27410

SHEET 1 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"

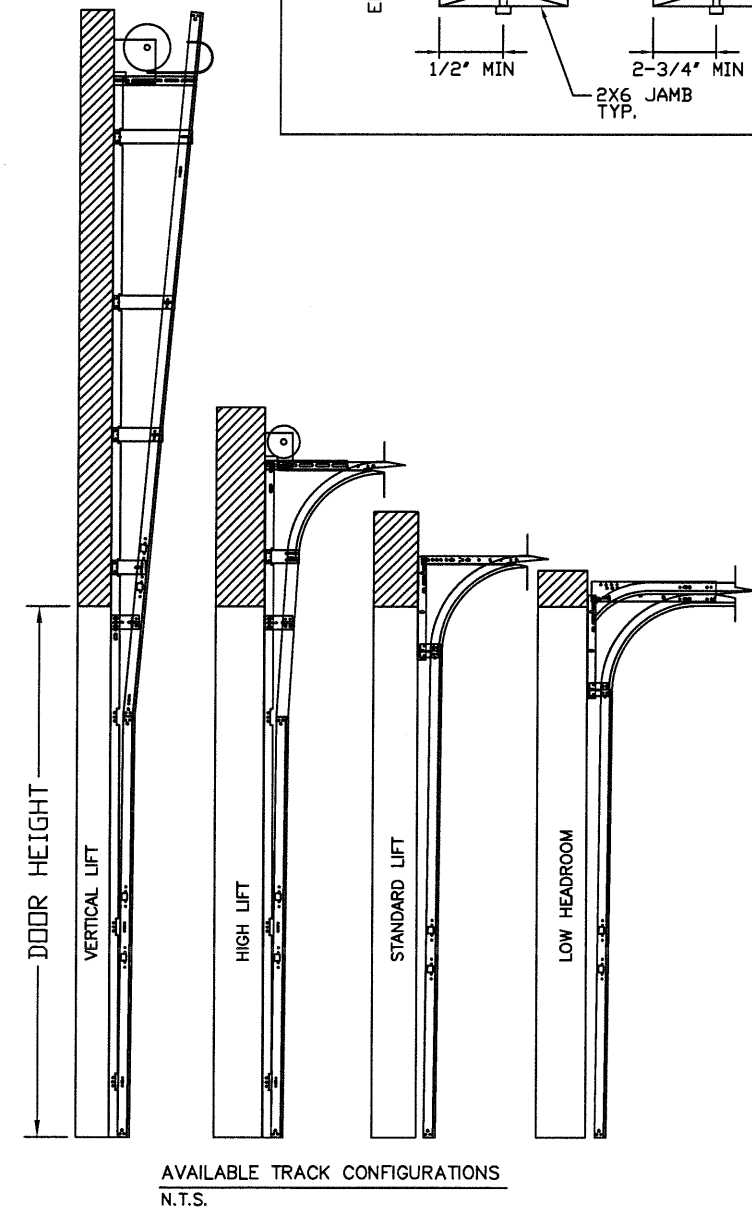
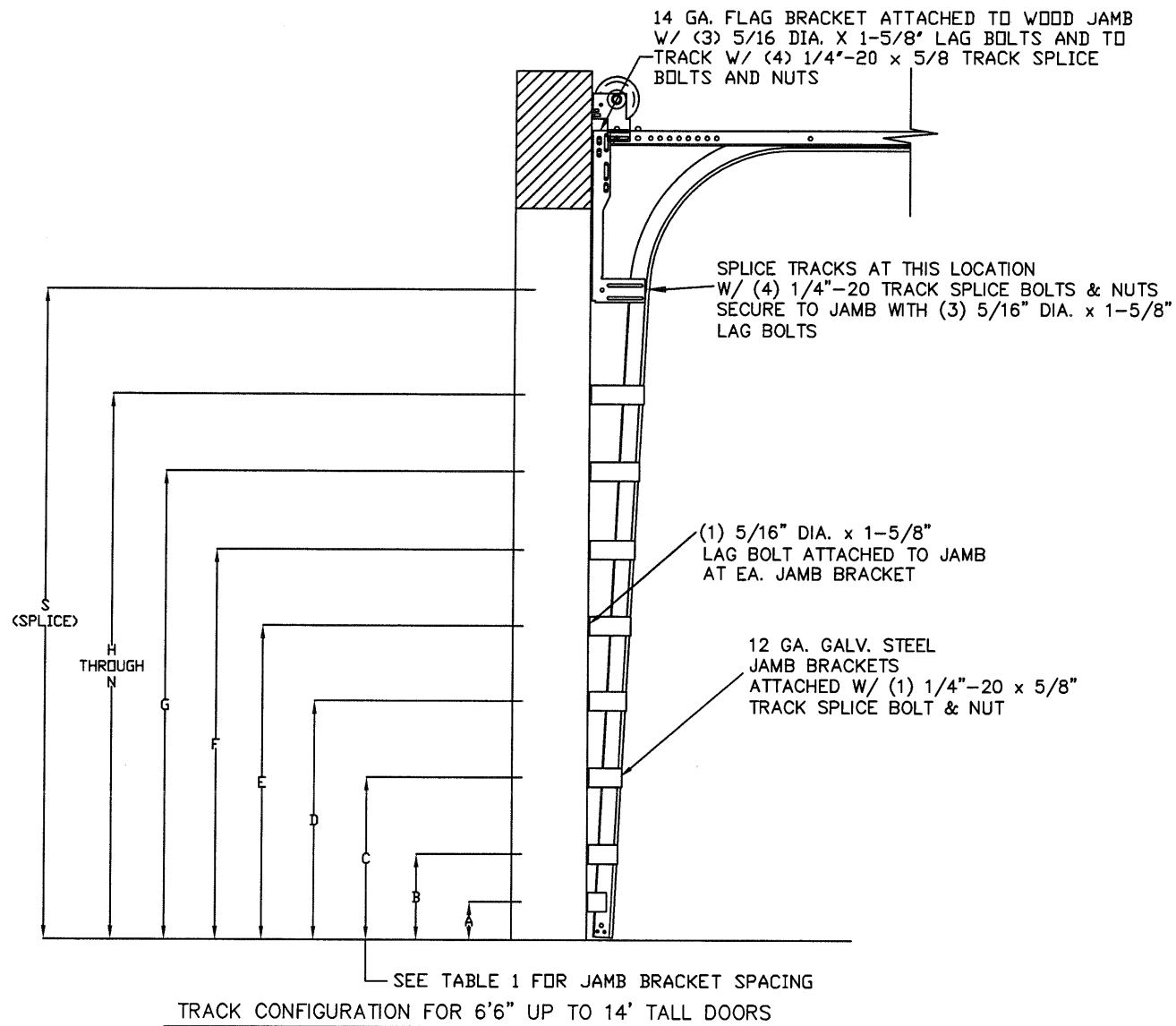
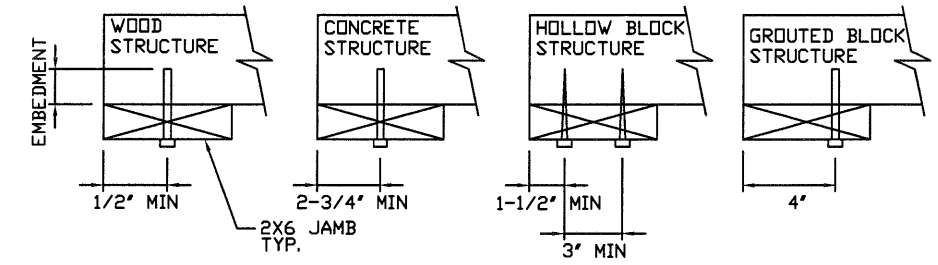
ALL TRACK ATTACHMENT SPACING +/- 2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

WOOD JAMB ATTACHMENT TO STRUCTURE

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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
 16" WIDTH
 14' HEIGHT
 (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS
 +37.0 PSF
 -41.4 PSF

TEST LOADS
 +55.5 PSF
 -62.1 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
 Structural Solutions, PA (TX Firm #F-004063)

STATE OF TEXAS
 THOMAS L. SHELMERDINE
 85829
 LICENSED PROFESSIONAL ENGINEER

TX

Amarr
 ENTREMATIC

MODEL P500 AMARR OLYMPUS 500
 MODEL D500 AMARR DESIGNERS CHOICE DC-500

SIZE	DRAWN BY RLR	DATE 02/01/18	DRAWING NUMBER
B	CHECKED BY RLR	DATE 02/01/18	IRC-P516-155-26-I

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

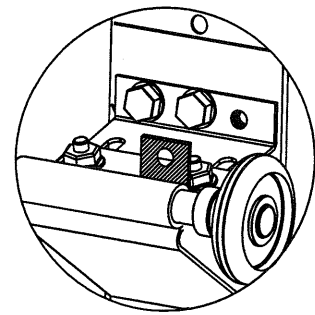
5921-G W. Friendly Ave., Greensboro, NC 27410

SHEET 2 OF 3

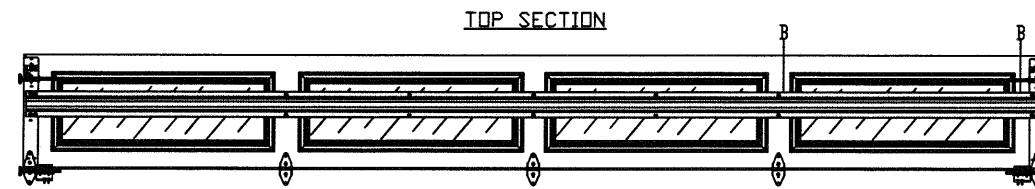
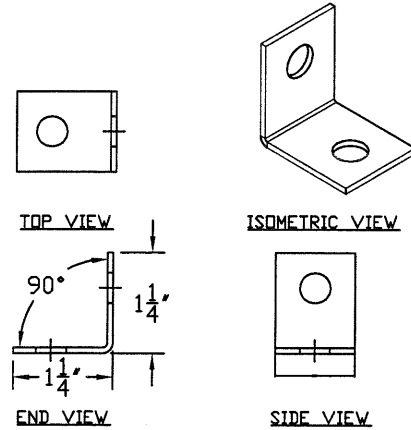
TABLE 2

Section	Center Stile Locations (Measured from Left Edge)				
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)
10' 0		48.41	71.59		
10' 2		49.32	72.68		
10' 4		50.32	73.68		
10' 6		50.84	75.17		
10' 8		51.84	76.17		
10' 10		52.50	77.50		
11' 0		53.50	78.50		
11' 2		54.20	79.80		
11' 4		55.20	80.80		
11' 6		56.20	81.80		
11' 8		57.20	82.80		
11' 10		47.81	94.19		
12' 0		48.81	95.19		
12' 2		49.64	96.36		
12' 4		50.64	97.36		
12' 6		50.67	99.33		
12' 8		51.67	100.33		
12' 10		52.25	101.75		
13' 0		53.00	103.00		
13' 2		54.00	104.00		
13' 4		54.40	105.60		
13' 6		55.40	106.60		
13' 8		56.40	107.60		
13' 10		57.16	82.94	108.71	
14' 0		57.76	83.94	110.11	
14' 2		58.85	84.94	111.41	
14' 4		59.16	85.94	112.71	
14' 6		59.86	86.94	114.01	
14' 8		60.56	87.94	115.31	
14' 10		61.26	88.94	116.61	
15' 0		61.94	89.94	117.94	
15' 2		62.66	90.94	119.21	
15' 4		53.60	79.20	104.80	130.40
15' 6		46.62	93.00	139.38	
15' 8		47.62	94.00	140.38	
15' 10		48.62	95.00	141.38	
16' 0		49.62	96.00	142.38	

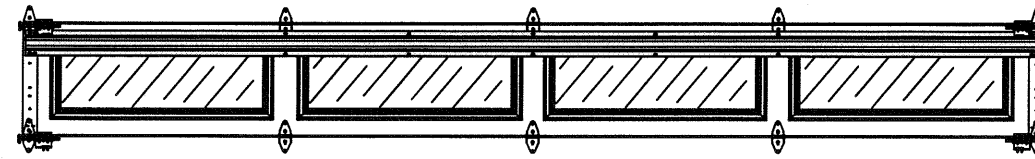
TOP FIXTURE REINFORCEMENT ILLUSTRATION



TOP FIXTURE ADDER PIECE

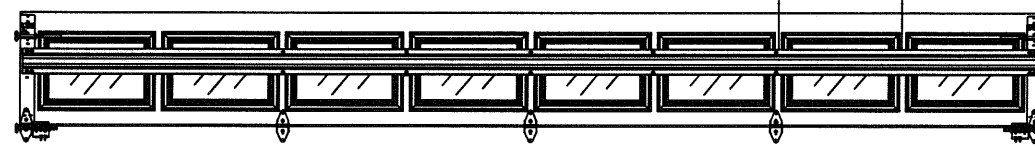


INTERMEDIATE SECTION

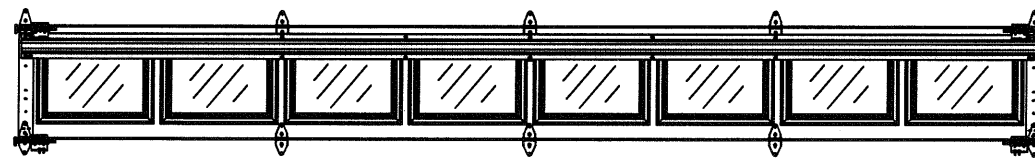


OPTIONAL LONG PANEL GLAZED SECTION STRUT AND STILE LAYOUT N.T.S.

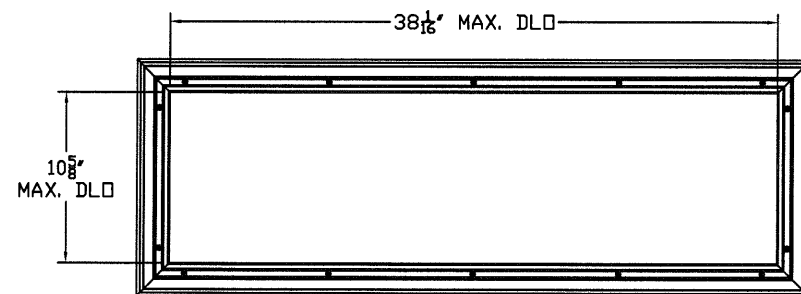
TOP SECTION



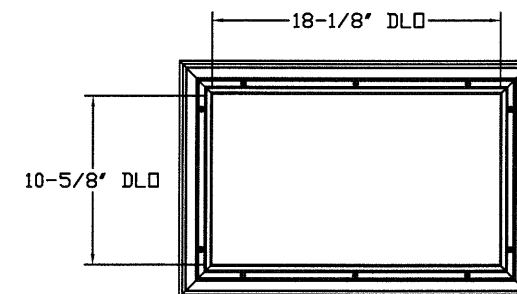
INTERMEDIATE SECTION



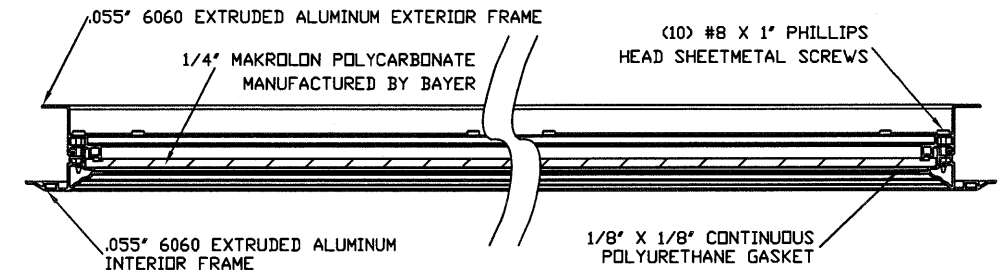
OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT N.T.S.



LONG PANEL GLAZING FASTENER DETAIL N.T.S.



SHORT PANEL GLAZING FASTENER DETAIL N.T.S.



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

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 16\"/>		
	DESIGN LOADS +37.0 PSF -41.4 PSF TEST LOADS +55.5 PSF -62.1 PSF		
	MODEL P500 AMARR OLYMPUS 500 MODEL D500 AMARR DESIGNERS CHOICE DC-500		
	SIZE B	DRAWN BY RLR	DATE 02/01/18
	CHECKED BY RLR	DATE 02/01/18	DRAWING NUMBER IRC-P516-155-26-1
	ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105		SHEET 3 OF 3

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