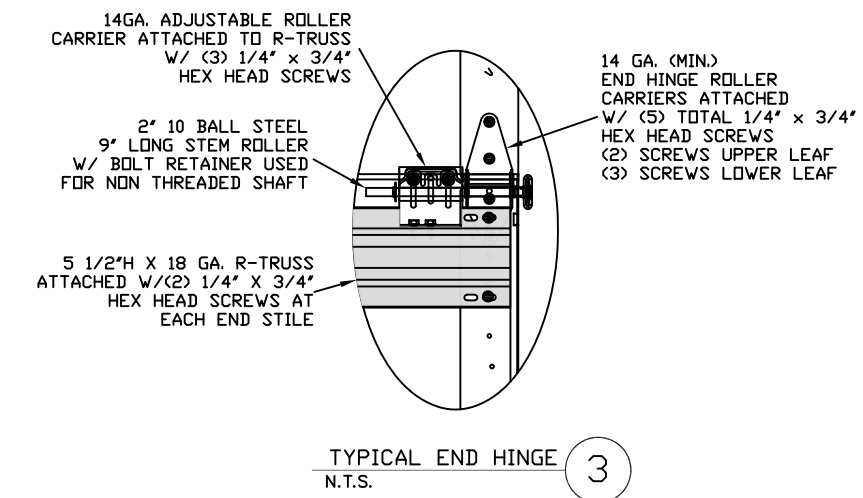
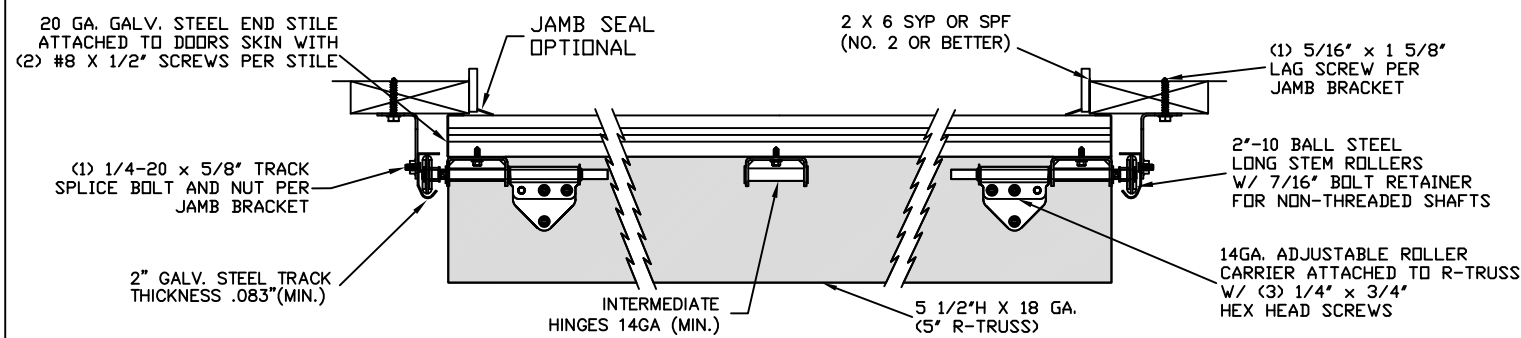
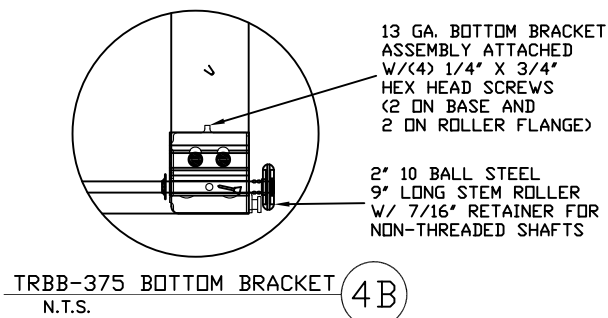
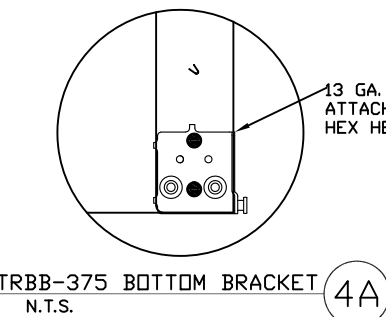
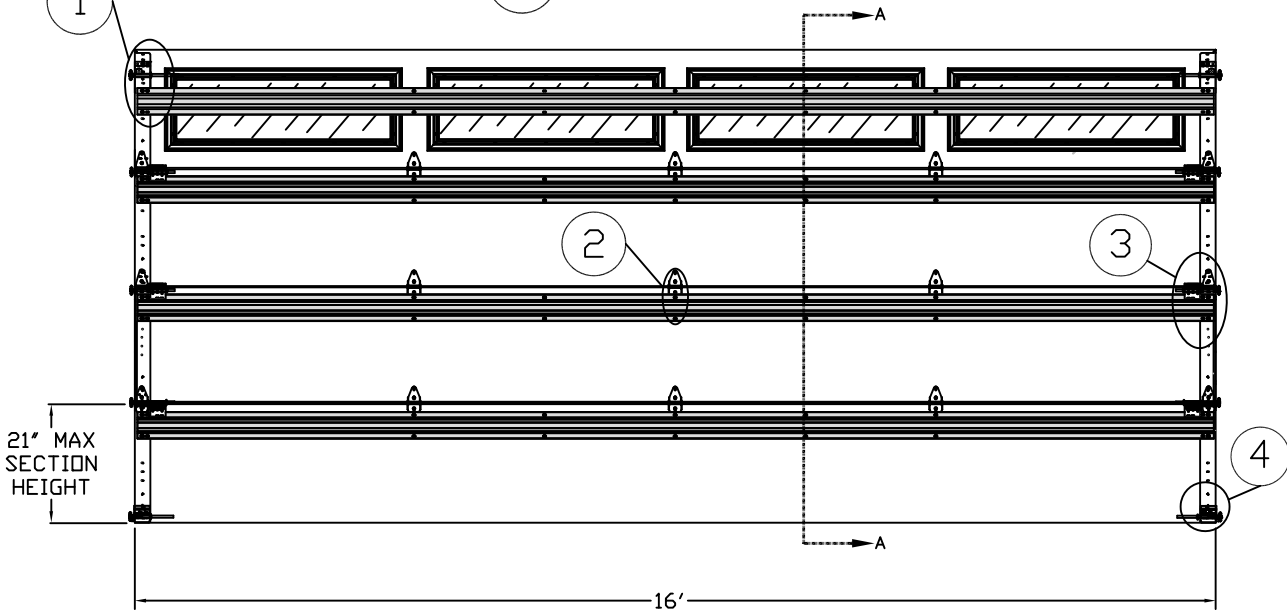
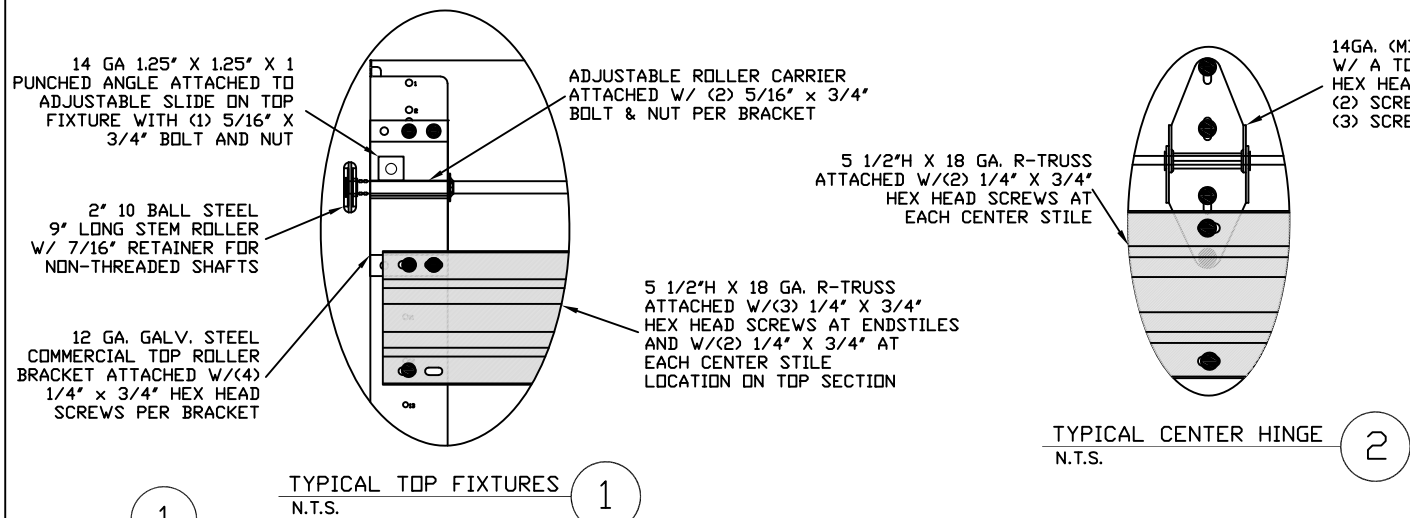
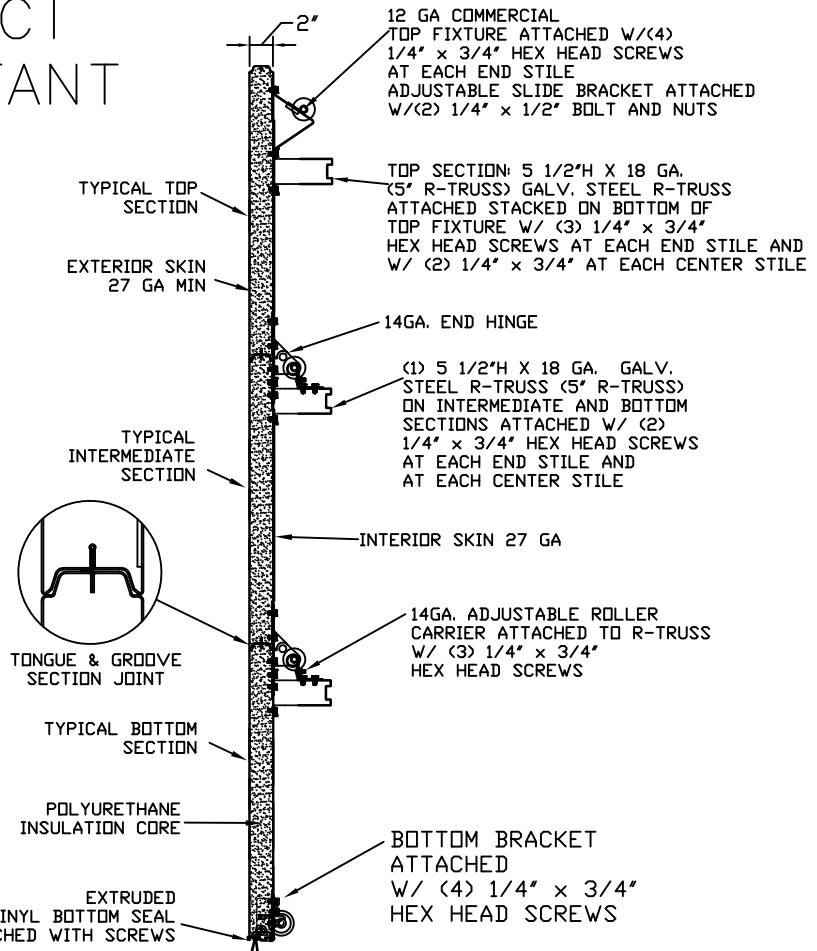




LARGE MISSILE IMPACT RESISTANT

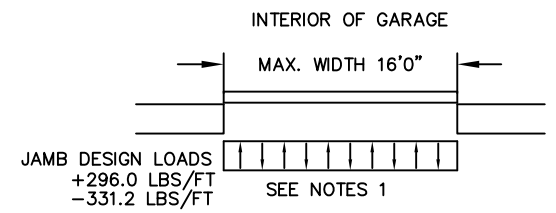


THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 & 115, ASTM E330, E1886, E1996, & F588. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	200	182	173	165	158
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.



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

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

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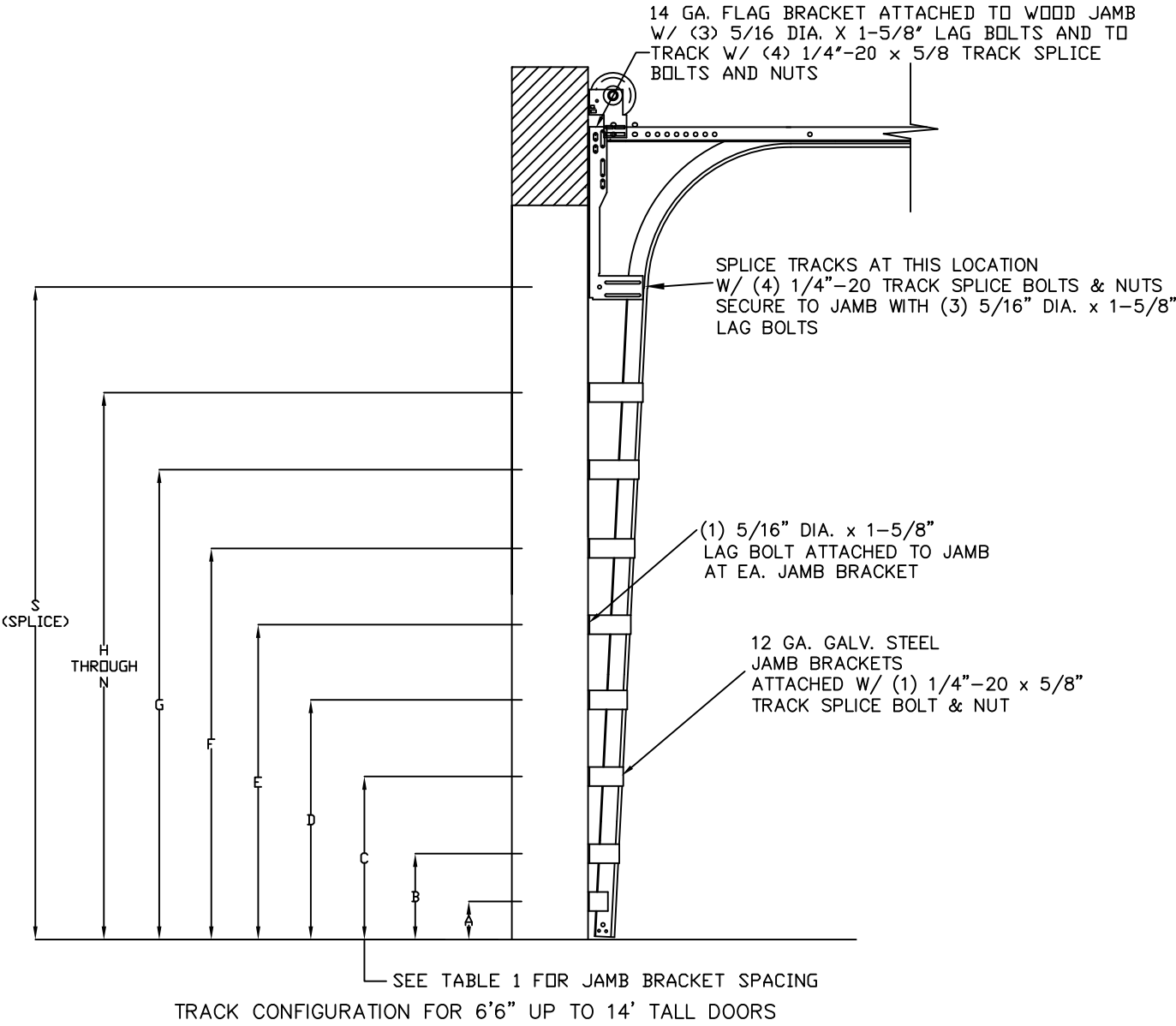
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Date: 2023.10.04 15:44:28 -04'00'

MODEL P500 AMARR OLYMPUS 500 MODEL D500 AMARR DESIGNERS CHOICE DC500			
SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	RLR	02/01/18	IRC-P516-155-26-I
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			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

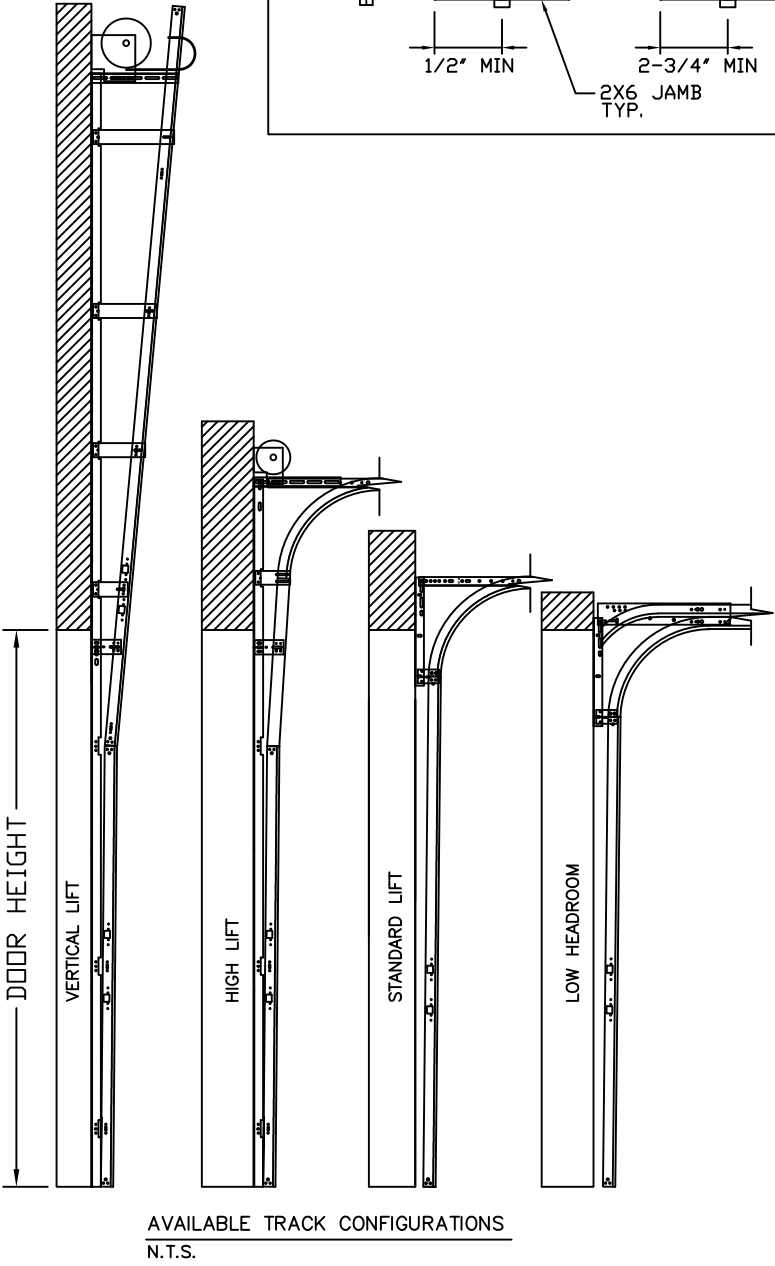
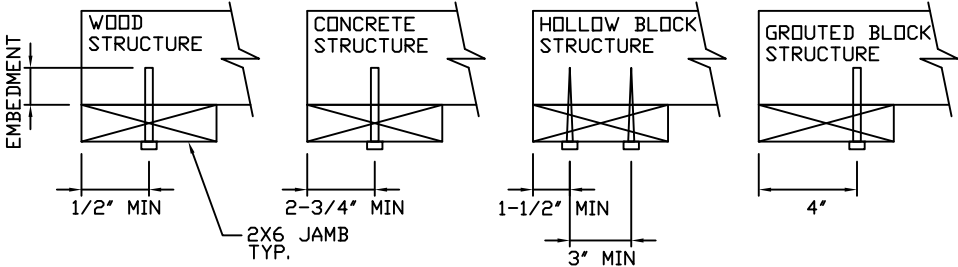


WOOD JAMB ATTACHMENT TO STRUCTURE

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. SHELDERDINE
LICENSE
No. 48579
FL
See Digital Signature
PROFESSIONAL ENGINEER

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Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

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Amarr

MODEL P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC500

SIZE	DRAWN BY	RLR	DATE	02/01/18	DRAWING NUMBER
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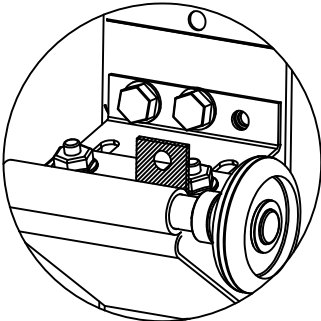
AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 2 OF 3

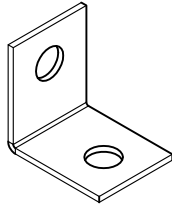
TABLE 2

Section		Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
10'	0	48.41	71.59			49.4	-55.2
10'	2	49.32	72.68			48.6	-54.4
10'	4	50.32	73.68			48.0	-53.7
10'	6	50.84	75.17			47.0	-52.6
10'	8	51.84	76.17			46.4	-51.9
10'	10	52.50	77.50			45.6	-51.0
11'	0	53.50	78.50			45.0	-50.4
11'	2	54.20	79.80			44.3	-49.6
11'	4	55.20	80.80			43.7	-48.9
11'	6	56.20	81.80			43.2	-48.3
11'	8	57.20	82.80			42.7	-47.8
11'	10	47.81	94.19			37.5	-42.0
12'	0	48.81	95.19			37.1	-41.5
12'	2	49.64	96.36			36.7	-41.0
12'	4	50.64	97.36			36.3	-40.6
12'	6	50.67	99.33			35.6	-39.8
12'	8	51.67	100.33			35.2	-39.4
12'	10	52.25	101.75			34.7	-38.9
13'	0	53.00	103.00			34.3	-38.4
13'	2	54.00	104.00			34.0	-38.0
13'	4	54.40	105.60			33.5	-37.4
13'	6	55.40	106.60			33.2	-37.1
13'	8	56.40	107.60			32.8	-36.8
13'	10	57.16	82.94	108.71		42.6	-47.6
14'	0	57.76	83.94	110.11		42.1	-47.1
14'	2	58.85	84.94	111.41		41.6	-46.5
14'	4	59.16	85.94	112.71		41.1	-46.0
14'	6	59.86	86.94	114.01		40.6	-45.5
14'	8	60.56	87.94	115.31		40.2	-44.9
14'	10	61.26	88.94	116.61		39.7	-44.4
15'	0	61.94	89.94	117.94		39.3	-43.9
15'	2	62.66	90.94	119.21		38.8	-43.5
15'	4	53.60	79.20	104.80	130.40	38.4	-43.0
15'	6	46.62	93.00	139.38		38.0	-42.5
15'	8	47.62	94.00	140.38		37.6	-42.1
15'	10	48.62	95.00	141.38		37.2	-41.6
16'	0	49.62	96.00	142.38		37.0	-41.4

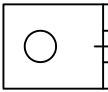
TOP FIXTURE REINFORCEMENT ILLUSTRATION



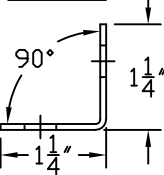
TOP FIXTURE ADDER PIECE



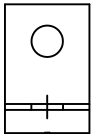
ISOMETRIC VIEW



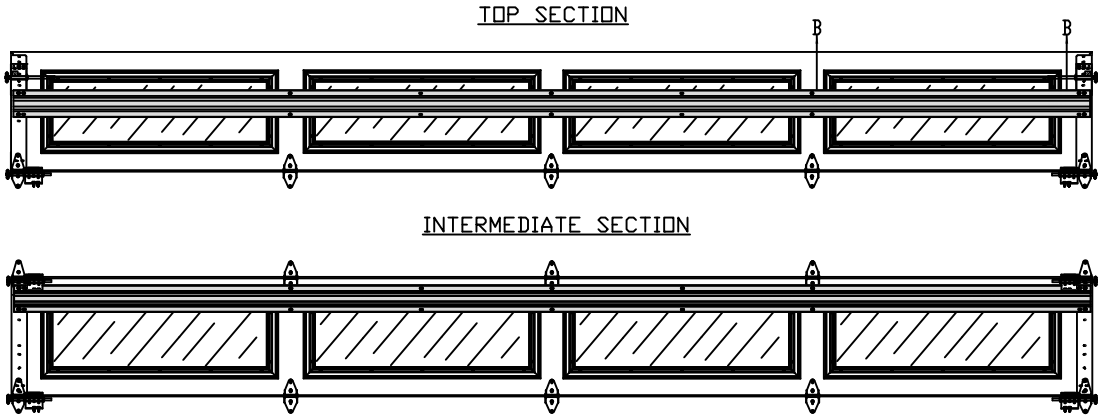
TOP VIEW



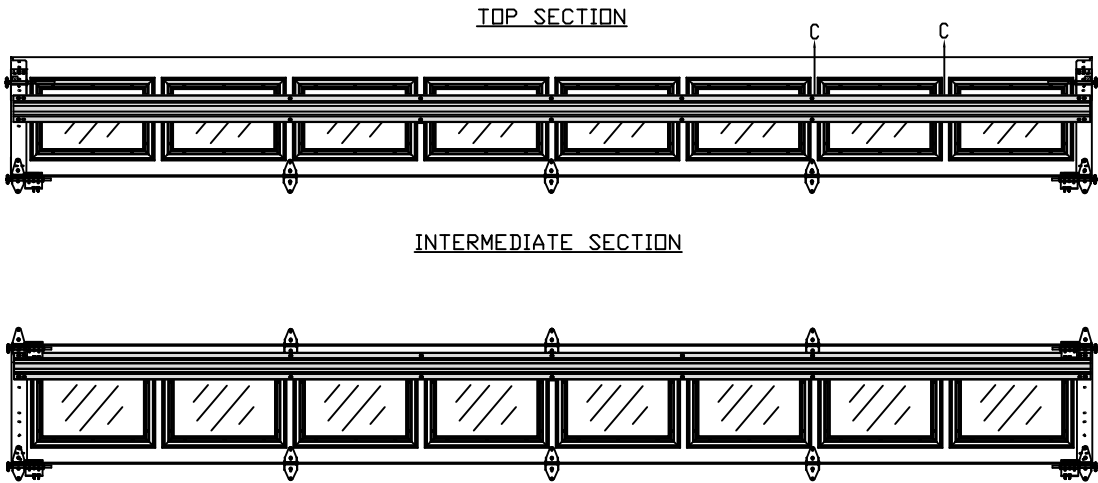
END VIEW



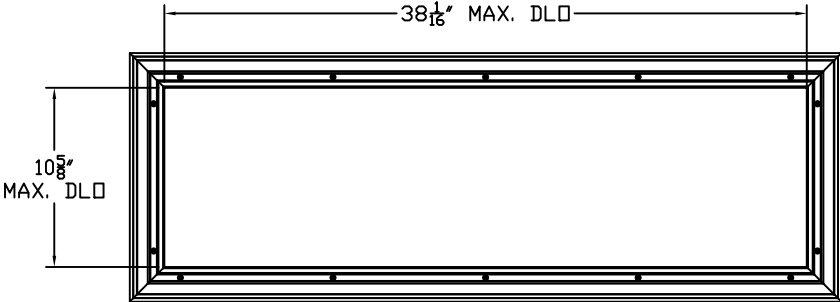
SIDE VIEW



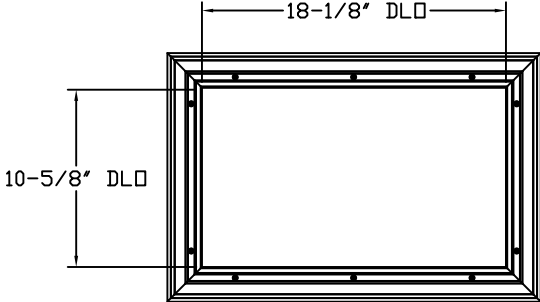
OPTIONAL LONG PANEL GLAZED SECTION STRUT AND STILE LAYOUT
N.T.S.



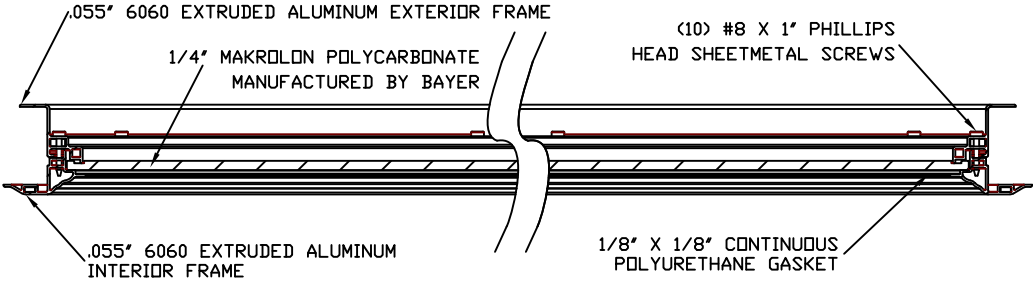
OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT
N.T.S.



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.

TABLE 3

SECTION	STRUT SIZE
8TH	5.5"
7TH	5.5"
6TH	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"

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
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-62.1 PSF

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MODEL P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC500

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

SHEET 3 OF 3