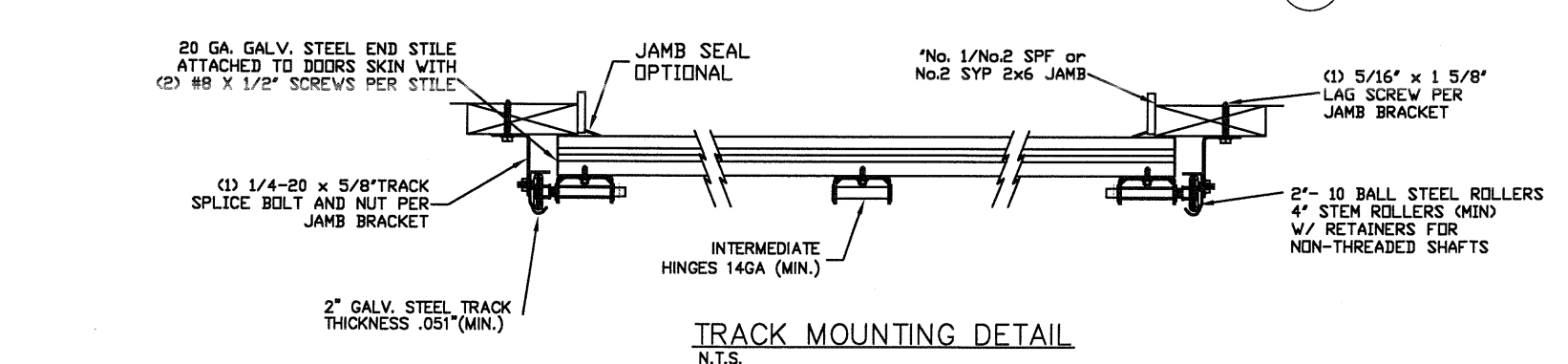
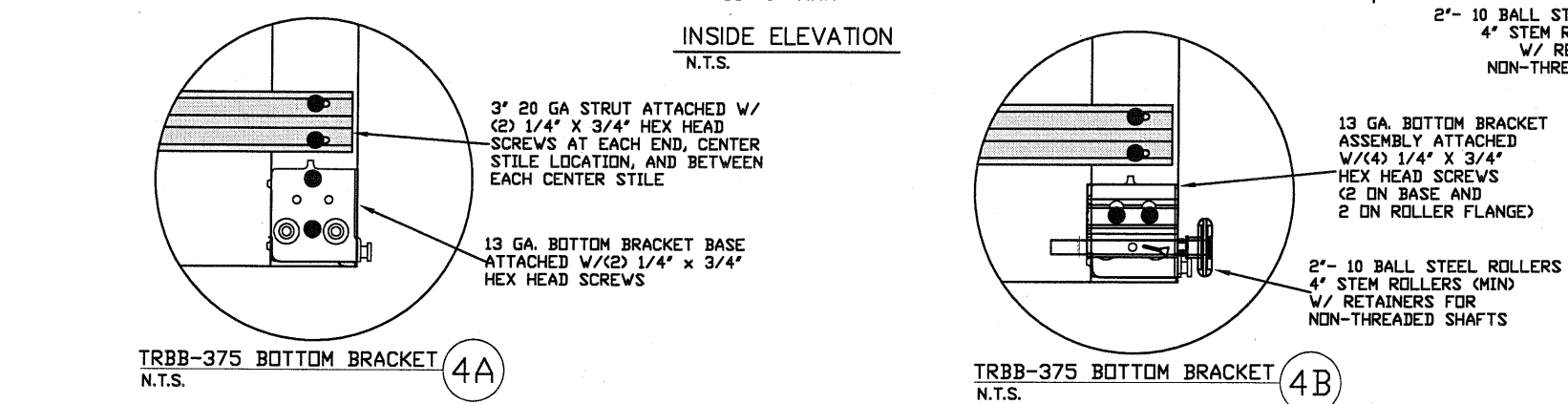
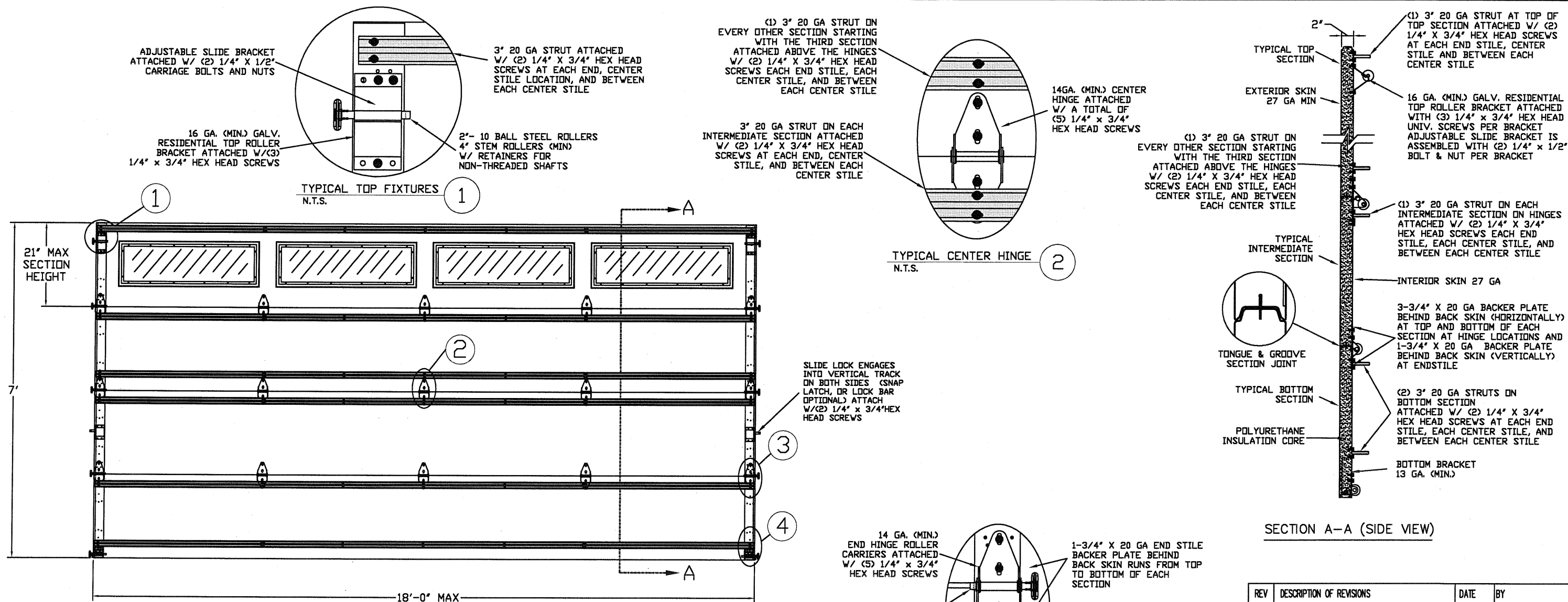




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF AT ANY SLOPE):

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. Sheldermine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)

FL

Thomas L. Sheldermine, 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

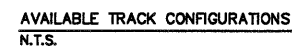
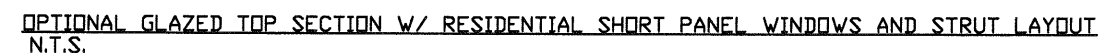
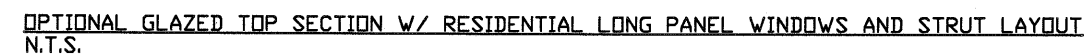
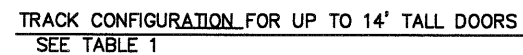
Amarr

MODEL P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC500

SIZE	DRAWN BY	RLR	DATE	08/01/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	08/01/16	IRC-P518-110-15

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

SHEET 1 OF 3



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



SECTION B-B RESIDENTIAL LONG PANEL WINDOW DETAIL
N.T.S.

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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	Designers Choice	48.75	97.00	145.25	20.2	22.9
16' 4	Short	51.27	98.00	144.73	20.0	22.7
16' 4	Designers Choice	49.08	98.00	146.92	20.0	22.7
16' 6	Short	52.27	99.00	145.73	19.8	22.4
16' 6	Designers Choice	49.42	99.00	148.59	19.8	22.4
16' 8	Short	51.34	100.00	148.66	19.6	22.2
16' 8	Designers Choice	49.92	100.00	150.09	19.6	22.2
16' 10	Short	51.50	101.00	150.50	19.4	22.0
16' 10	Designers Choice	50.42	101.00	151.59	19.4	22.0
17' 0	Short	53.34	102.00	150.66	19.2	21.8
17' 0	Designers Choice	50.92	102.00	153.09	19.2	21.8
17' 2	Short	53.00	103.00	153.00	19.0	21.6
17' 2	Designers Choice	51.42	103.00	154.59	19.0	21.6
17' 4	Short	54.00	104.00	154.00	18.9	21.3
17' 4	Designers Choice	51.92	104.00	156.09	18.9	21.3
17' 6	Short	55.00	105.00	155.00	18.7	21.1
17' 6	Designers Choice	52.42	105.00	157.59	18.7	21.1
17' 8	Short	54.80	106.00	157.20	18.5	20.9
17' 8	Designers Choice	52.92	106.00	159.09	18.5	20.9
17' 10	Short	55.80	107.00	158.20	18.3	20.7
17' 10	Designers Choice	53.42	107.00	160.59	18.3	20.7
18' 0	Short	57.25	108.00	158.75	18.2	20.6
18' 0	Designers Choice	53.92	108.00	162.09	18.2	20.6

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

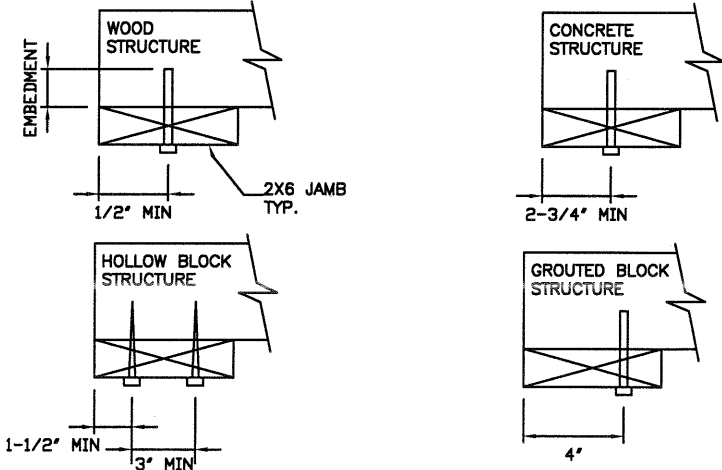
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

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)

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 P500 AMARR OLYMPUS 500
MODEL D500 AMARR DESIGNERS CHOICE DC500

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

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