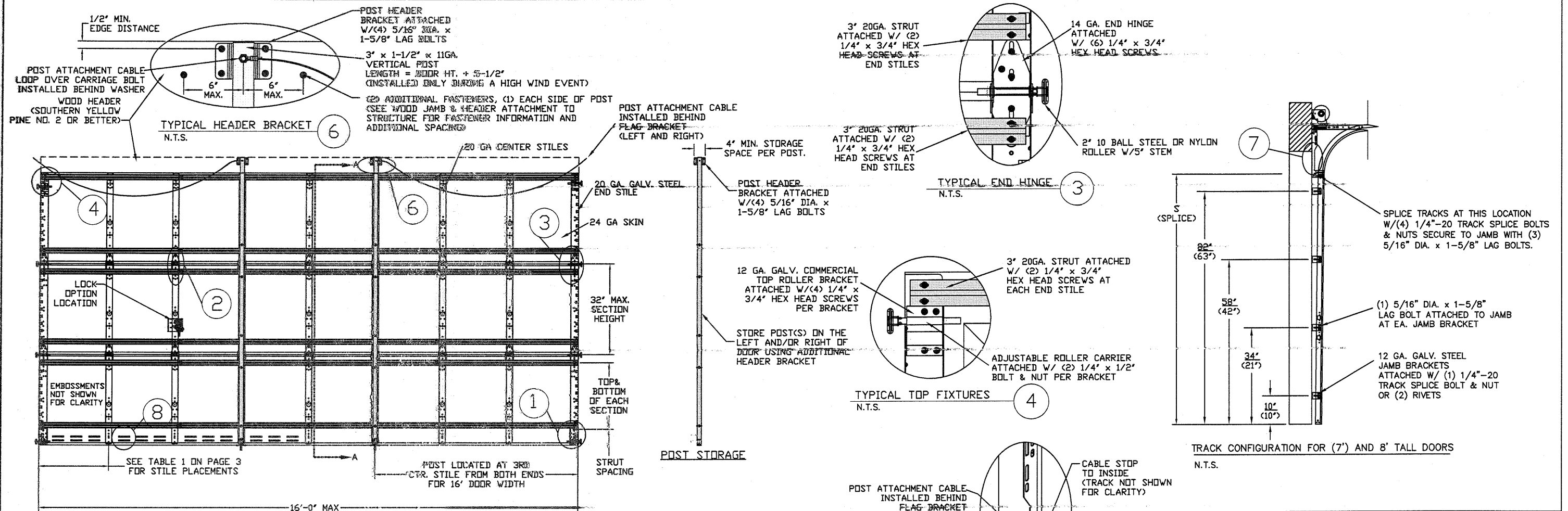
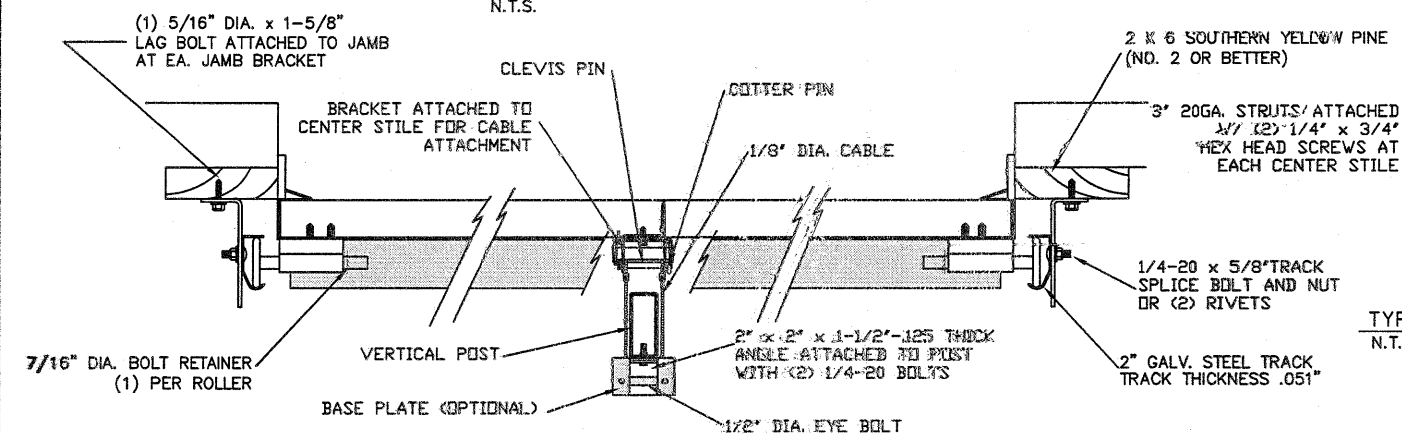


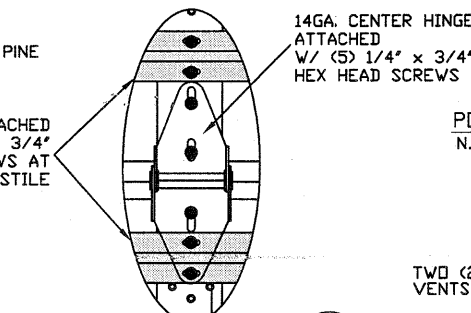


INSIDE ELEVATION
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

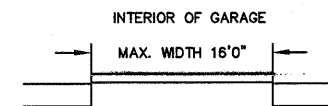
TYPICAL CENTER HINGE
N.T.S.



POST ATTACHMENT CABLE
N.T.S.

TWO (2) ROWS OF THREE (3) VENTS EQUALS 15 SQ. INCHES

OPTIONAL VENT DETAIL
N.T.S.



JAMB DESIGN LOADS
+138.1 LBS/FT
-156.8 LBS/FT

SEE NOTES 1 & 2

HEADER DESIGN LOADS
+916.4 LBS
-1040.2 LBS

SPECIFICATIONS AND NOTES

1. THE HEADER RECEIVES MAXIMUM DESIGN LOADS OF: +916.4 LBS & -1040.2 LBS AT THE TOP OF EACH POST.
2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +138.1 LBS/FT & -156.8 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. DOOR SECTIONS SHALL BE 24" GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY STEEL, TESTED YIELD STRENGTH 34,500 PSI, G-40 GALVANIZATION.
5. 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

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, ANSI/DASHA 108 AND TAS 201, 202, 203. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	226	205	195	186	179
EXPOSURE LEVEL	B	C	C	D	D
MEAN. ROOF. HEIGHT	30'	15'	25'	15'	25'

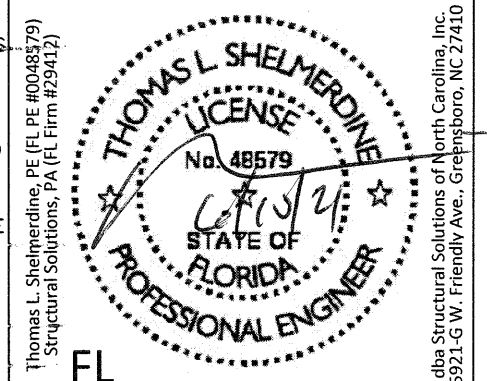
REV	DESCRIPTION OF REVISIONS	DATE	BY
B	ADDED ATTACHMENT CABLE TO POST	1/22/09	CBT
C	UPDATED NOTE 4	1/22/09	CBT
D	UPDATED NOTE 4 WITH YIELD STRENGTH	1/22/09	CBT
E	UPDATED NOTE 4	11/24/09	DLJ
F	ADDED CONVENTIONAL HINGES	06/09/21	DLJ

MAX SIZE
16' x 8'

DESIGN LOADS
+45.9 PSF
-52.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+68.9 PSF
-78.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

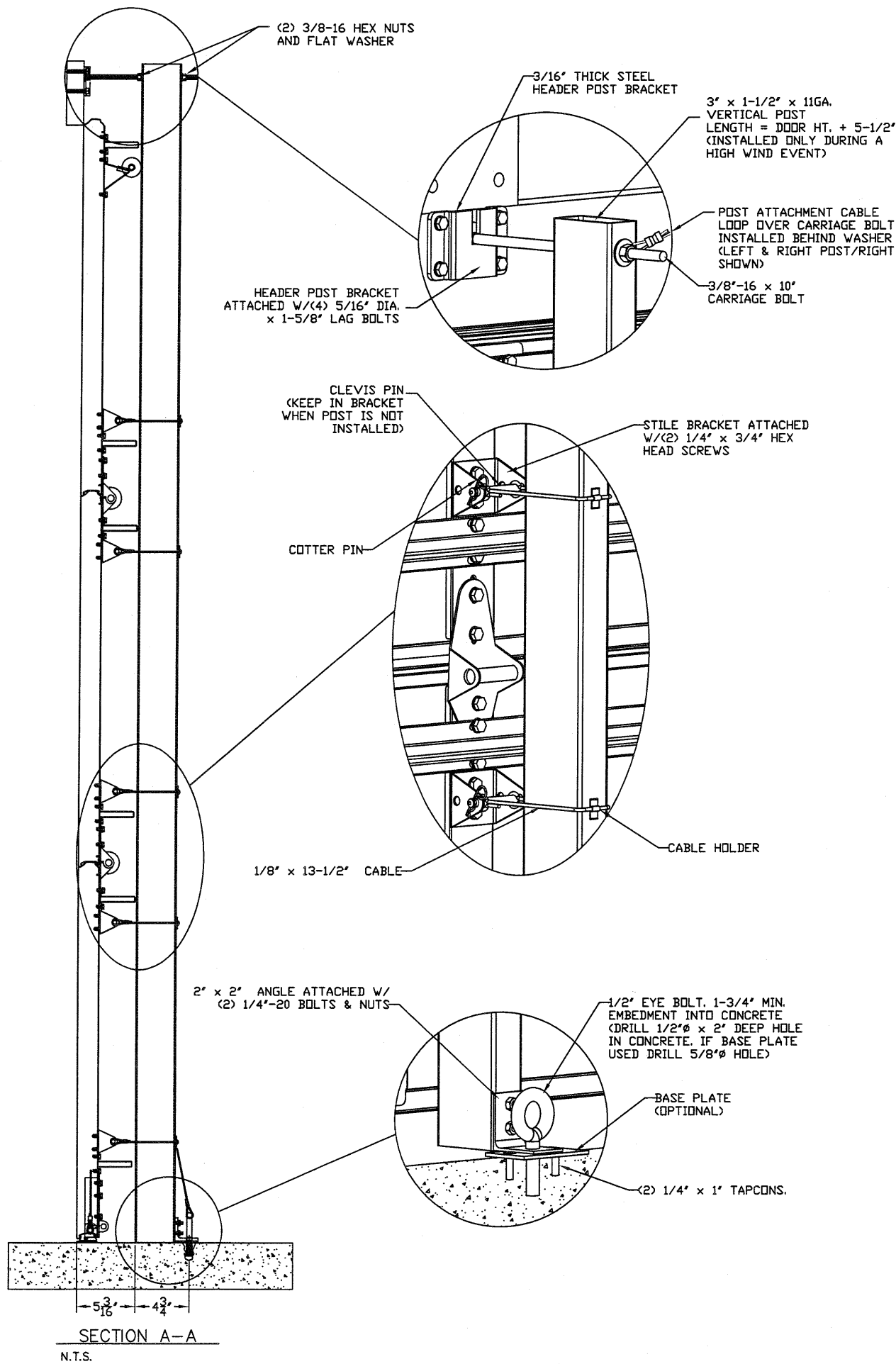


Thomas L. Shelmerdine, PE (FL PE #0048579)
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FL

Amarr

MODEL #500
CLASSICA 1000, 2000

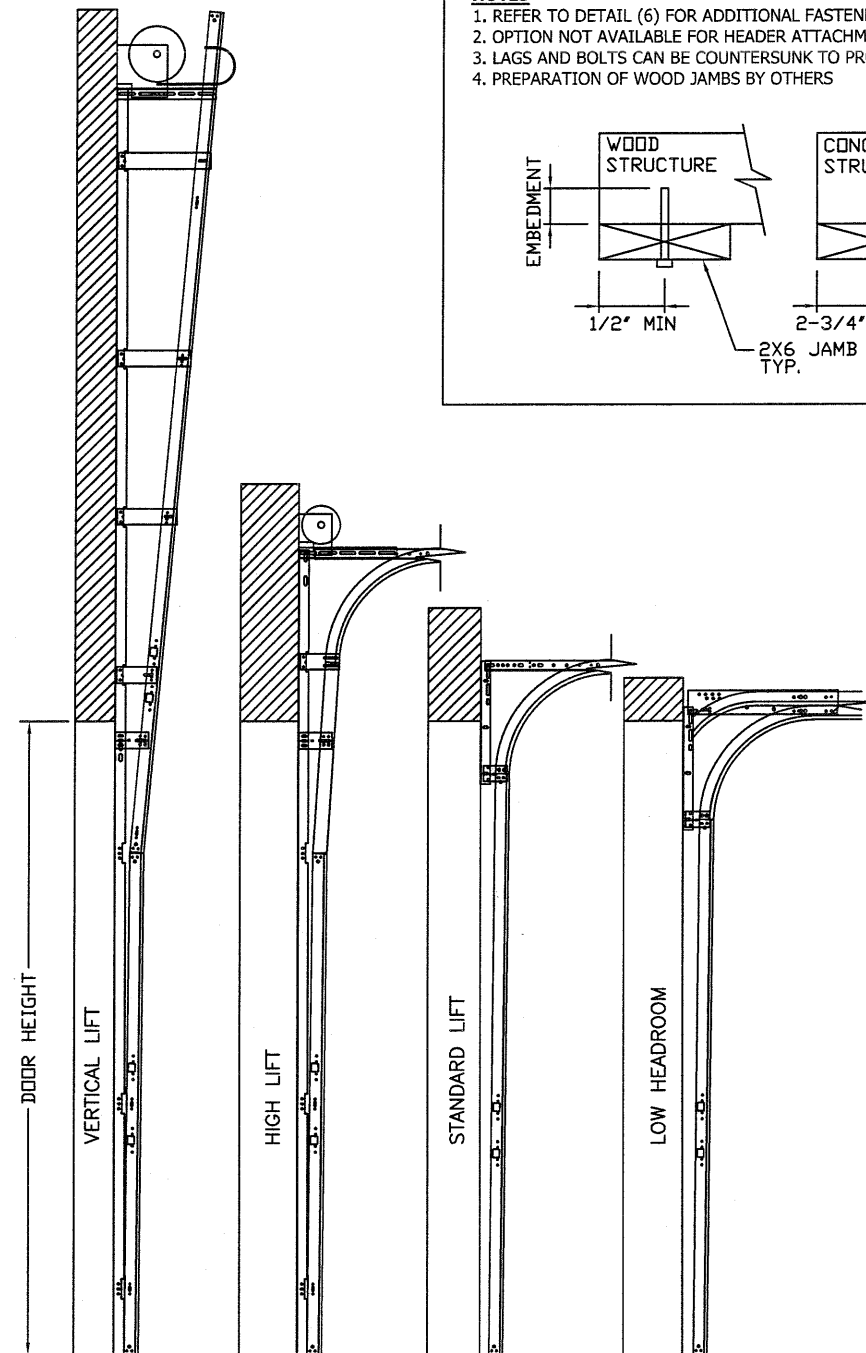
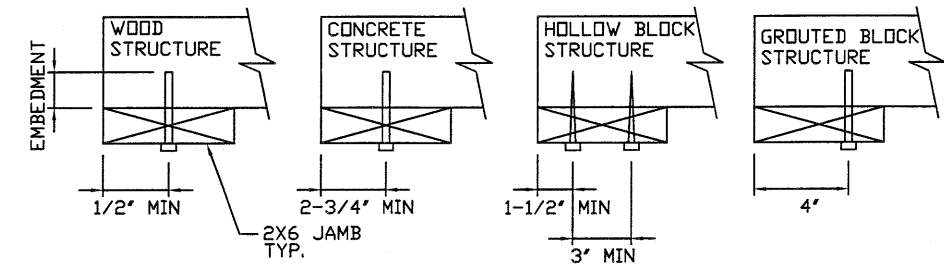
SIZE	DRAWN BY	DLJ	DATE	02/14/05	DRAWING NUMBER	IRC-5316-175-45
B	CHECKED BY	AAE	DATE	02/14/05		
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105						SHEET 1 OF 3



WOOD JAMB & HEADER ATTACHMENT TO STRUCTURE *SEE NOTE 1*

2 X 6 VERTICAL JAMB & HEADER 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 & HEADER 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 & HEADER ATTACHMENT TO HOLLOW C-90 BLOCK *SEE NOTE 2*
 SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" 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 24" O.C. (1 1/4" EMBEDMENT)
2 X 6 VERTICAL JAMB & HEADER 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)

- *NOTES***
 1. REFER TO DETAIL (6) FOR ADDITIONAL FASTENERS AT HEADER
 2. OPTION NOT AVAILABLE FOR HEADER ATTACHMENT
 3. LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE
 4. PREPARATION OF WOOD JAMBS BY OTHERS



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
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E	UPDATED NOTE 4	11/24/09	DLJ
F	ADDED CONVENTIONAL HINGES	06/09/21	DLJ

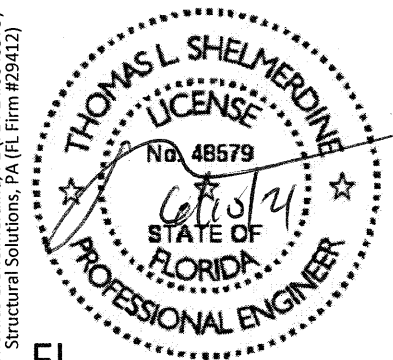
MAX SIZE
16' x 8'

DESIGN LOADS
+45.9 PSF
-52.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+68.9 PSF
-78.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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MODEL #500
CLASSICA 1000, 2000

SIZE	DRAWN BY	DLJ	DATE	02/14/05	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	02/14/05	IRC-5316-175-45

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

SHEET 2 OF 3

TABLE 1

Door Width (ft)	Center Stile Locations (Measured from Left Edge)						
	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)
8' 0	*24.63	48.00	*71.38				
8' 2	*25.13	49.00	*72.88				
8' 4	*25.63	50.00	*74.38				
8' 6	*26.13	51.00	*75.88				
8' 8	*26.63	52.00	*77.38				
8' 10	*27.13	53.00	*78.88				
9' 0	*27.63	54.00	*80.38				
9' 2	*28.13	55.00	*81.88				
9' 4	*28.63	56.00	*83.38				
9' 6	*29.13	57.00	*84.88				
9' 8	*29.63	58.00	*86.38				
9' 10	*30.13	59.00	*87.88				
10' 0	*30.63	60.00	*89.38				
10' 2	*31.13	61.00	*90.88				
10' 4	*31.63	62.00	*92.38				
10' 6	*32.13	63.00	*93.88				
10' 8	*32.63	64.00	*95.38				
10' 10	*33.13	65.00	*96.88				
11' 0	*33.63	66.00	*98.38				
11' 2	*34.13	67.00	*99.88				
11' 4	*34.63	68.00	*101.38				
11' 6	*35.13	69.00	*102.88				
11' 8	*35.63	70.00	*104.38				
11' 10	*36.13	71.00	*105.88				
12' 0	24.63	*48.31	72.00	*95.69	119.38		
12' 2	25.13	*49.06	73.00	*96.94	120.88		
12' 4	25.63	*49.81	74.00	*98.19	122.38		
12' 6	26.13	*50.56	75.00	*99.44	123.88		
12' 8	26.63	*51.31	76.00	*100.69	125.38		
12' 10	27.13	*52.06	77.00	*101.94	126.88		
13' 0	27.63	*52.81	78.00	*103.19	128.38		
13' 2	28.13	*53.56	79.00	*104.44	129.88		
13' 4	28.63	*54.31	80.00	*105.69	131.38		
13' 6	29.13	*55.06	81.00	*106.94	132.88		
13' 8	29.63	*55.81	82.00	*108.19	134.38		
13' 10	30.13	*56.56	83.00	*109.44	135.88		
14' 0	30.63	*57.31	84.00	*110.69	137.38		
14' 2	31.13	*58.06	85.00	*111.94	138.88		
14' 4	31.63	*58.81	86.00	*113.19	140.38		
14' 6	32.13	*59.56	87.00	*114.44	141.88		
14' 8	32.63	*60.31	88.00	*115.69	143.38		
14' 10	33.13	*61.06	89.00	*116.94	144.88		
15' 0	33.63	*61.81	90.00	*118.19	146.38		
15' 2	34.13	*62.56	91.00	*119.44	147.88		
15' 4	34.63	*63.31	92.00	*120.69	149.38		
15' 6	24.63	47.42	*70.21	93.00	*115.79	138.58	161.37
15' 8	25.03	48.02	*71.01	94.00	*116.99	139.98	162.97
15' 10	23.43	46.62	*71.81	95.00	*118.19	141.38	164.57
16' 0	24.63	48.42	*72.21	96.00	*119.79	143.58	167.37

* Post locations

TABLE 2
FOR MAX. 8' TALL DOORS CONSTRUCTED
USING (1) OR MORE 32" SECTIONS

Door Width (ft)	Max Design Loads Allowed	
	Positive (PSF)	Negative (PSF)
8' 0	75.1	87.0
8' 2	73.5	85.2
8' 4	72.1	83.5
8' 6	70.7	81.8
8' 8	69.3	80.3
8' 10	68.0	78.7
9' 0	66.7	77.3
9' 2	65.5	75.8
9' 4	64.4	74.5
9' 6	63.2	73.2
9' 8	62.1	71.9
9' 10	61.1	70.7
10' 0	60.1	69.5
10' 2	59.1	68.3
10' 4	58.1	67.2
10' 6	57.2	66.2
10' 8	56.3	65.1
10' 10	55.4	64.1
11' 0	54.6	63.1
11' 2	53.8	62.2
11' 4	53.0	61.0
11' 6	52.2	59.2
11' 8	50.7	57.5
11' 10	49.2	55.9
12' 0	57.2	64.9
12' 2	56.4	64.1
12' 4	55.7	63.2
12' 6	55.0	62.5
12' 8	54.3	61.7
12' 10	53.7	60.9
13' 0	53.0	60.2
13' 2	52.4	59.5
13' 4	51.8	58.8
13' 6	51.2	58.1
13' 8	50.6	57.4
13' 10	50.0	56.7
14' 0	49.4	56.1
14' 2	48.9	55.5
14' 4	48.3	54.9
14' 6	47.8	54.3
14' 8	47.3	53.7
14' 10	46.8	53.1
15' 0	46.3	52.5
15' 2	45.8	52.0
15' 4	45.3	51.5
15' 6	47.1	53.5
15' 8	46.6	52.9
15' 10	46.2	52.4
16' 0	45.9	52.1

TABLE 3
FOR 7' TALL DOORS CONSTRUCTED
WITH ALL 28" SECTIONS

Door Width (ft)	Max Design Loads Allowed	
	Positive (PSF)	Negative (PSF)
8' 0	85.8	99.4
8' 2	84.0	97.4
8' 4	82.4	95.4
8' 6	80.8	93.5
8' 8	79.2	91.7
8' 10	77.7	90.0
9' 0	76.3	88.3
9' 2	74.9	86.7
9' 4	73.5	85.1
9' 6	72.3	83.6
9' 8	71.0	82.2
9' 10	69.8	80.8
10' 0	68.6	79.4
10' 2	67.5	78.1
10' 4	66.4	76.8
10' 6	65.4	75.6
10' 8	64.4	74.4
10' 10	63.4	73.3
11' 0	62.4	72.1
11' 2	61.5	71.1
11' 4	60.6	69.7
11' 6	59.6	67.7
11' 8	57.9	65.7
11' 10	56.2	63.8
12' 0	65.3	74.2
12' 2	64.5	73.2
12' 4	63.7	72.3
12' 6	62.9	71.4
12' 8	62.1	70.5
12' 10	61.3	69.6
13' 0	60.6	68.8
13' 2	59.9	68.0
13' 4	59.2	67.2
13' 6	58.5	66.4
13' 8	57.8	65.6
13' 10	57.1	64.9
14' 0	56.5	64.1
14' 2	55.9	63.4
14' 4	55.2	62.7
14' 6	54.6	62.0
14' 8	54.0	61.3
14' 10	53.5	60.7
15' 0	52.9	60.0
15' 2	52.3	59.4
15' 4	51.8	58.8
15' 6	53.9	61.2
15' 8	53.3	60.5
15' 10	52.7	59.9
16' 0	52.2	59.2

REV	DESCRIPTION OF REVISIONS	DATE	BY
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E	UPDATED NOTE 4	11/24/09	DLJ
F	ADDED CONVENTIONAL HINGES	06/09/21	DLJ

MAX SIZE
16' x 8'
DESIGN LOADS
+45.9 PSF
-52.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+68.9 PSF
-78.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

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MODEL #500
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ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 3 OF 3