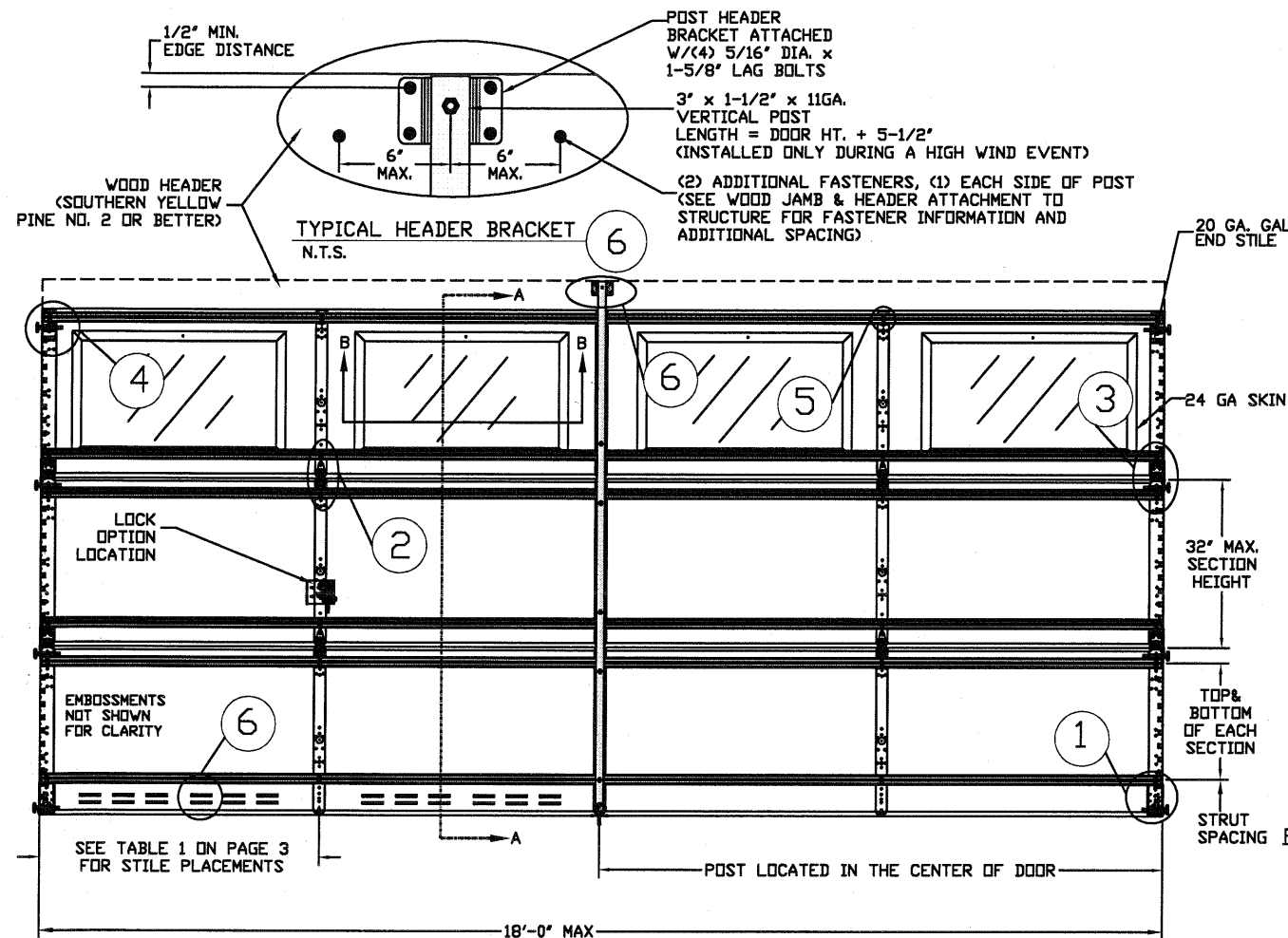
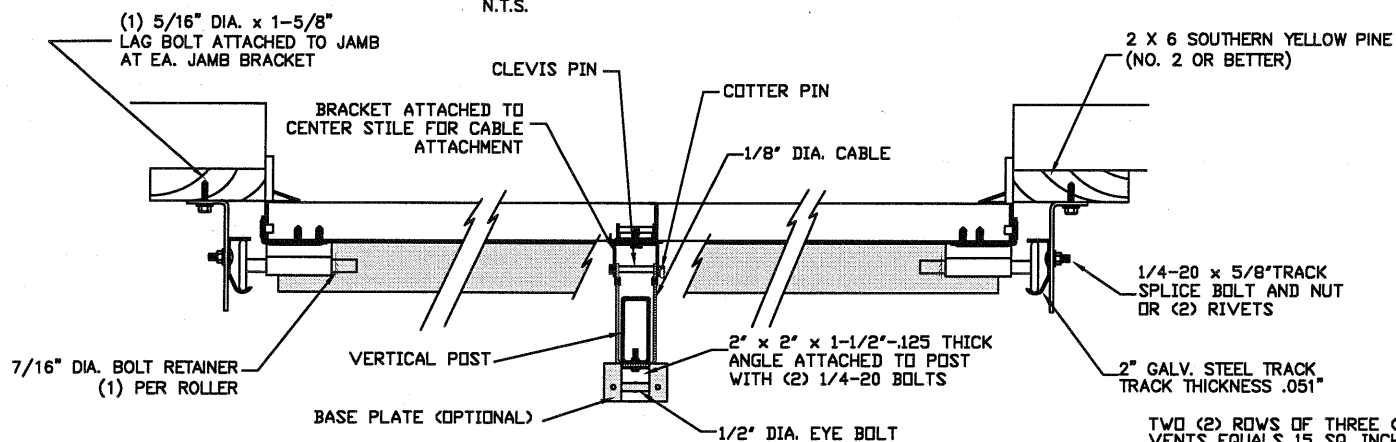




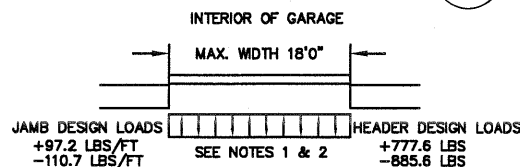
INSIDE ELEVATION
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

TYPICAL TOP FIXTURES
N.T.S.

TYPICAL DURASAFE CENTER HINGE
N.T.S.



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE 6	09/02/08	DLJ

MAX SIZE 18' WIDTH 8' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS +21.6 PSF -24.6 PSF

TEST LOADS (1.5 x DESIGN LOADS) +32.4 PSF -36.9 PSF

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

FL

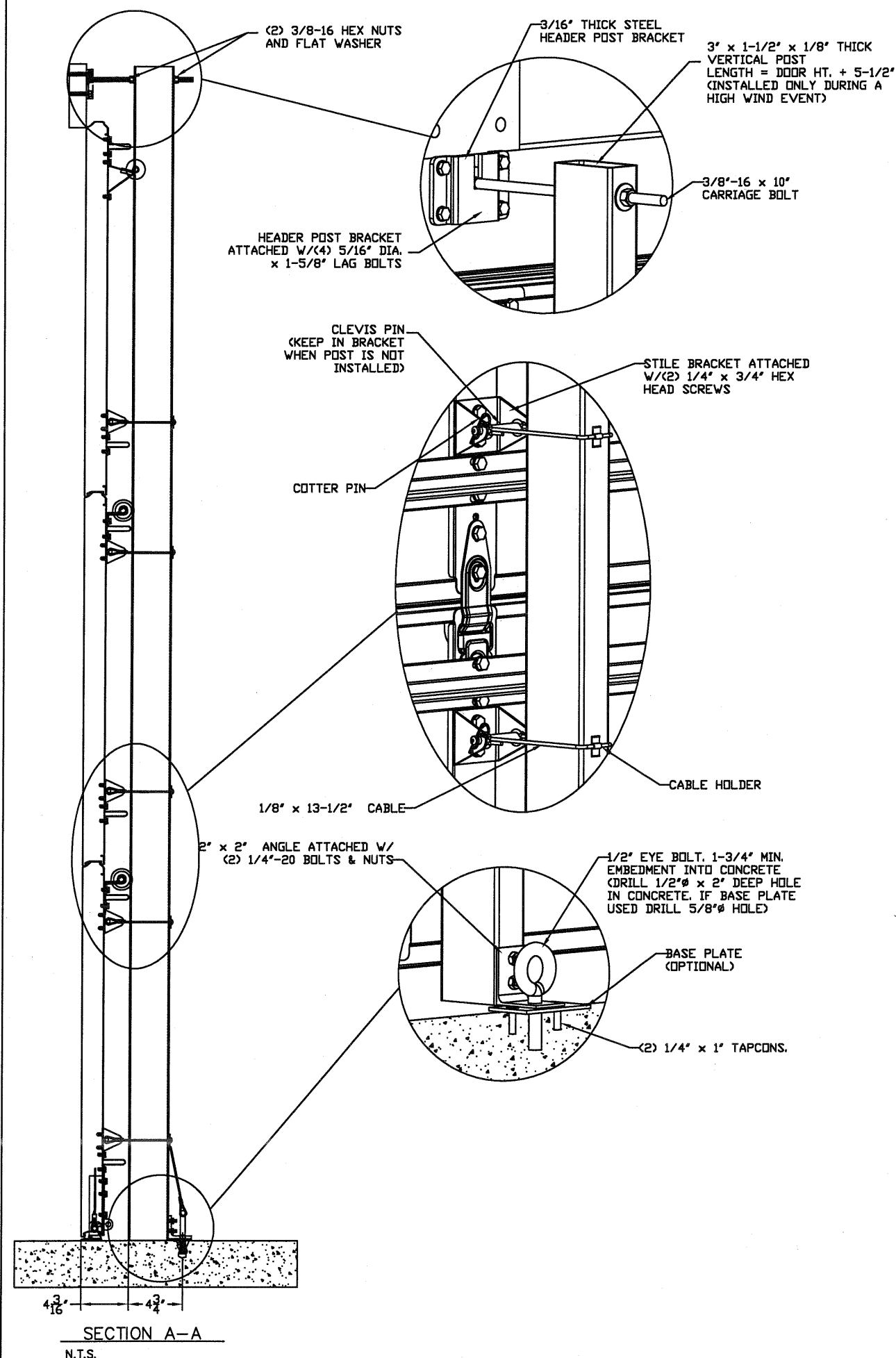
THOMAS L. SHELMERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER

dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	DLJ	05/16/05	IRC-5318-120-45
CHECKED BY	AAE	DATE 05/16/05	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 3



WOOD JAMB ATTACHMENT TO STRUCTURE

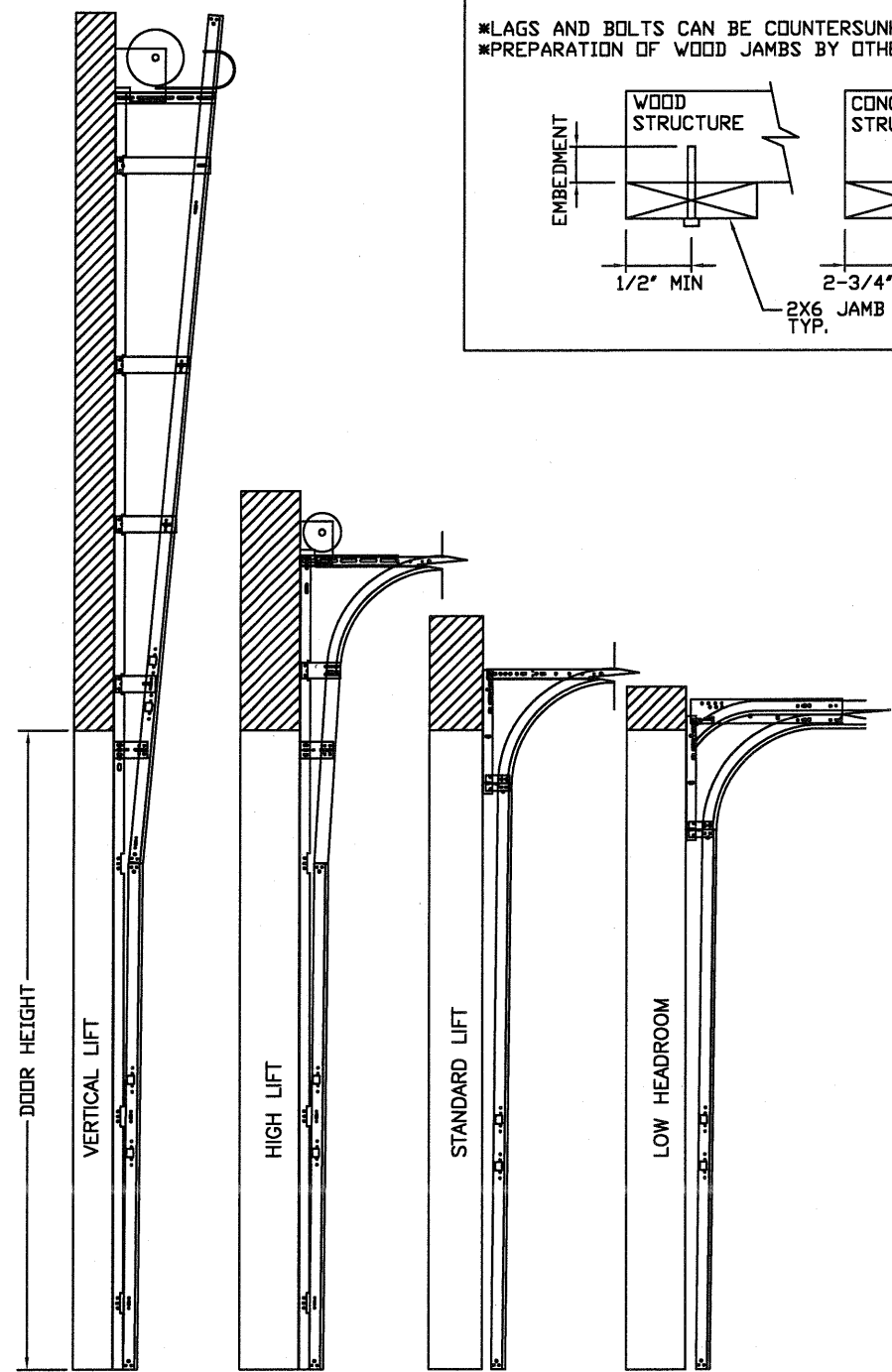
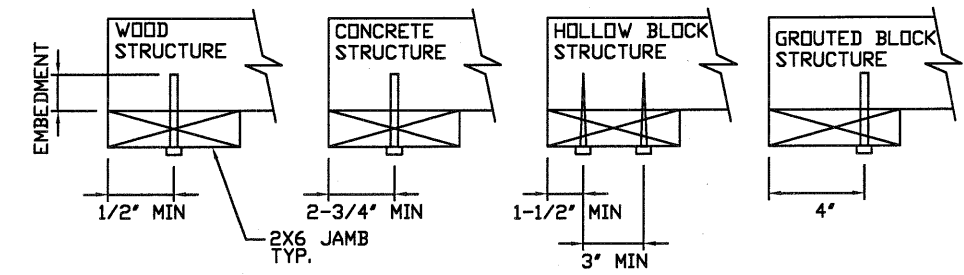
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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 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



AVAILABLE TRACK CONFIGURATIONS
 N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE 6	09/02/08	DLJ

MAX SIZE 18' WIDTH 8' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)	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
DESIGN LOADS +21.6 PSF -24.6 PSF			
TEST LOADS (1.5 x DESIGN LOADS) +32.4 PSF -36.9 PSF			

Amarr

MODEL 500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY DLJ	DATE 05/16/05	DRAWING NUMBER IRC-5318-120-45
B	CHECKED BY AAE	DATE 05/16/05	

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

SHEET 2 OF 3

TABLE 1

Door Width (ft)	Center Stile Locations (Measured from Left)		
	1st (in)	2nd (in)	3rd (in)
15' 6	47.42	*93.00	138.58
15' 8	48.02	*94.00	139.98
15' 10	48.62	*95.00	141.38
16' 0	48.42	*96.00	143.58
16' 2	48.75	*97.00	145.25
16' 4	49.08	*98.00	146.92
16' 6	49.42	*99.00	148.59
16' 8	49.92	*100.00	150.09
16' 10	50.42	*101.00	151.59
17' 0	50.92	*102.00	153.09
17' 2	51.42	*103.00	154.59
17' 4	51.92	*104.00	156.09
17' 6	52.42	*105.00	157.59
17' 8	52.92	*106.00	159.09
17' 10	53.42	*107.00	160.59
18' 0	53.92	*108.00	162.09

* Post location

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)
15' 6	25.0	28.4
15' 8	24.7	28.1
15' 10	24.4	27.8
16' 0	24.2	27.5
16' 2	23.9	27.3
16' 4	23.7	27.0
16' 6	23.4	26.7
16' 8	23.2	26.4
16' 10	23.0	26.2
17' 0	22.8	25.9
17' 2	22.5	25.7
17' 4	22.3	25.4
17' 6	22.1	25.2
17' 8	21.9	24.9
17' 10	21.7	24.7
18' 0	21.6	24.6

TABLE 3

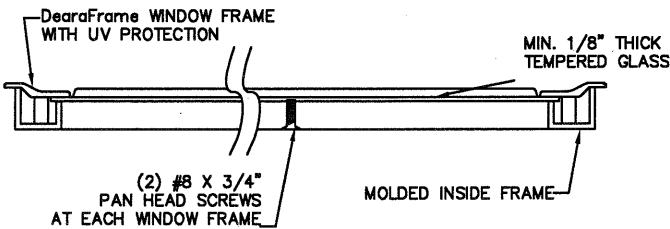
FOR 7' TALL DOORS CONSTRUCTED
WITH ALL 28" SECTIONS

Door Width (ft)	Max Design Loads Allowed	
	Positive (PSF)	Negative (PSF)
15' 6	28.5	32.5
15' 8	28.2	32.1
15' 10	27.9	31.8
16' 0	27.6	31.5
16' 2	27.3	31.1
16' 4	27.1	30.8
16' 6	26.8	30.5
16' 8	26.5	30.2
16' 10	26.3	29.9
17' 0	26.0	29.6
17' 2	25.8	29.3
17' 4	25.5	29.0
17' 6	25.3	28.8
17' 8	25.0	28.5
17' 10	24.8	28.2
18' 0	24.6	28.0

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION

DOOR TESTED WITH GLAZING



SECTION B-B

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE 6	09/02/08	DLJ

MAX SIZE
18' WIDTH
8' HEIGHT
(DOOR HEIGHT
SUBJECT TO
WEIGHT LIMITATIONS)

DESIGN LOADS
+21.6 PSF
-24.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+32.4 PSF
-36.9 PSF

Thomas L. Shelmerdine, PE (FL PE #00048579)
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

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SIZE B	DRAWN BY DLJ	DATE 05/16/05	DRAWING NUMBER IRC-5318-120-45
	CHECKED BY AAE	DATE 05/16/05	

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

SHEET 3 OF 3