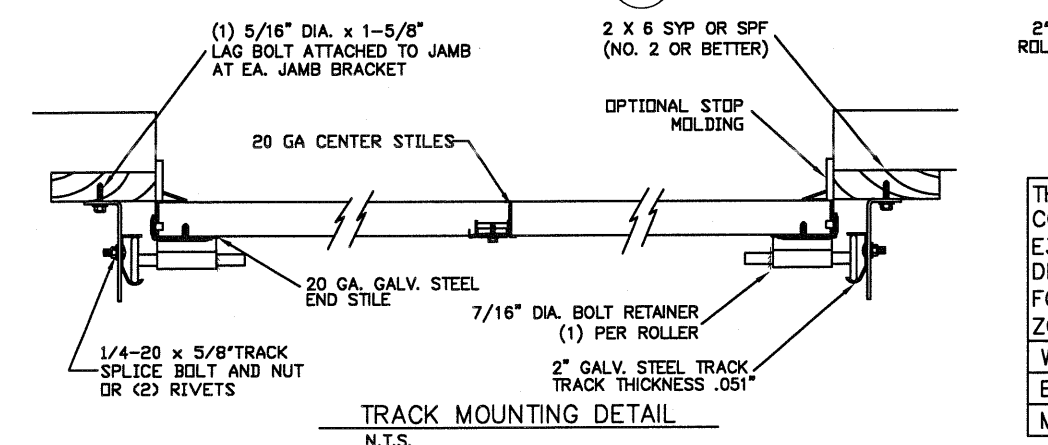
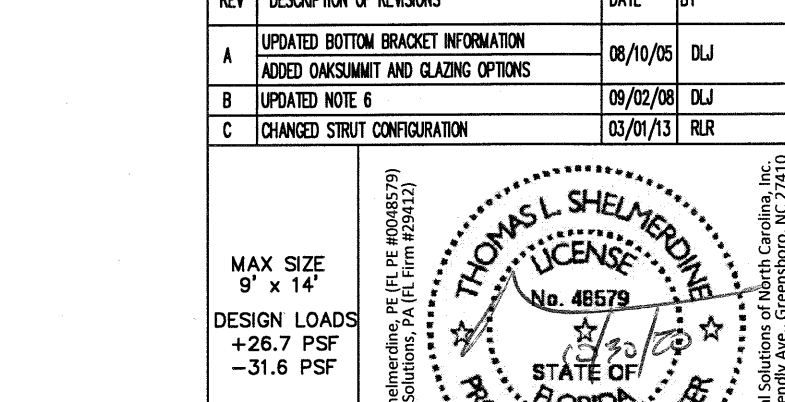
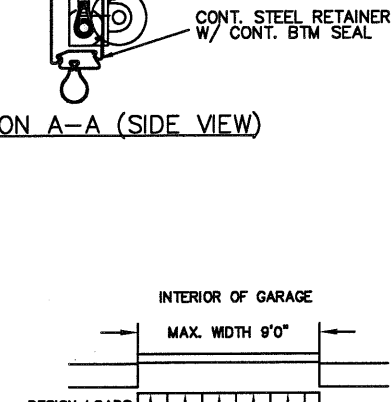
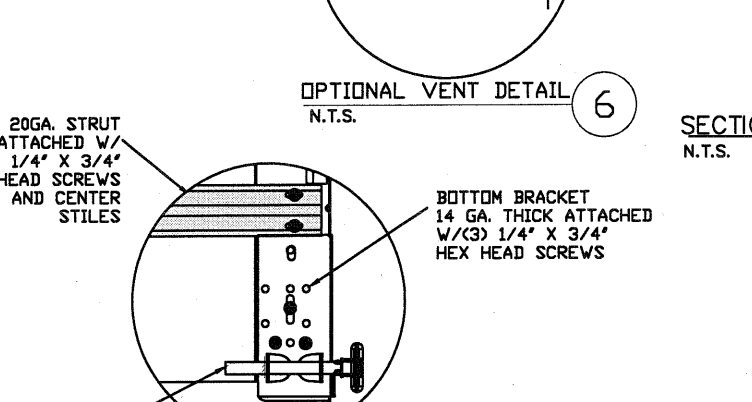
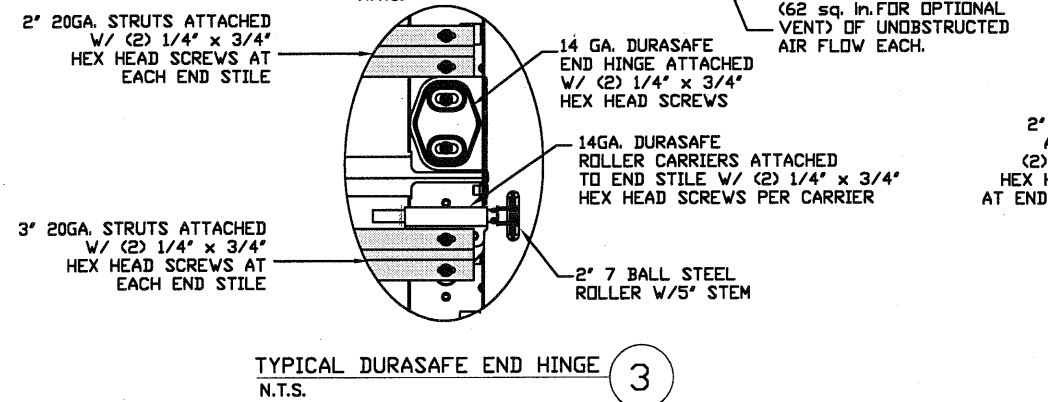
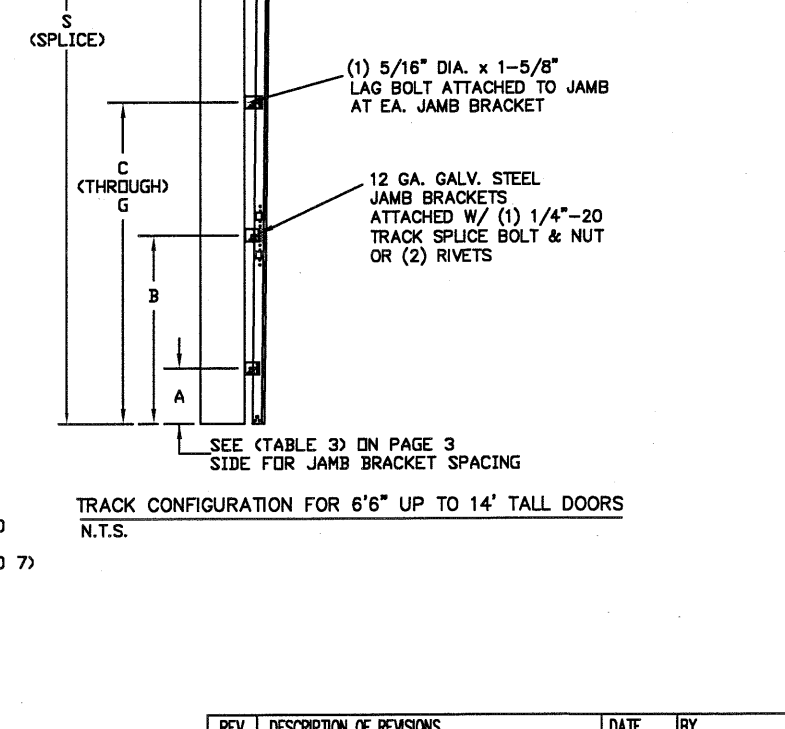
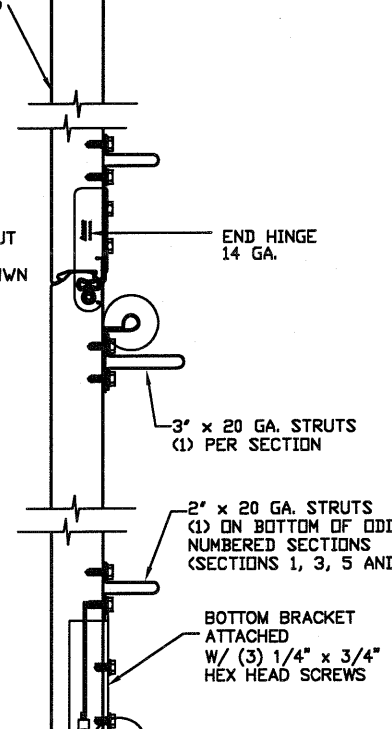
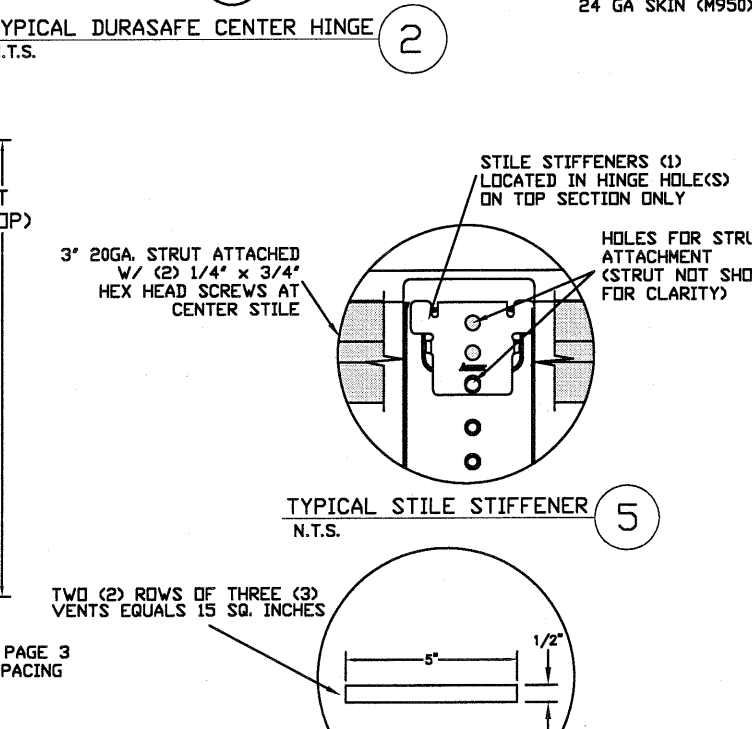
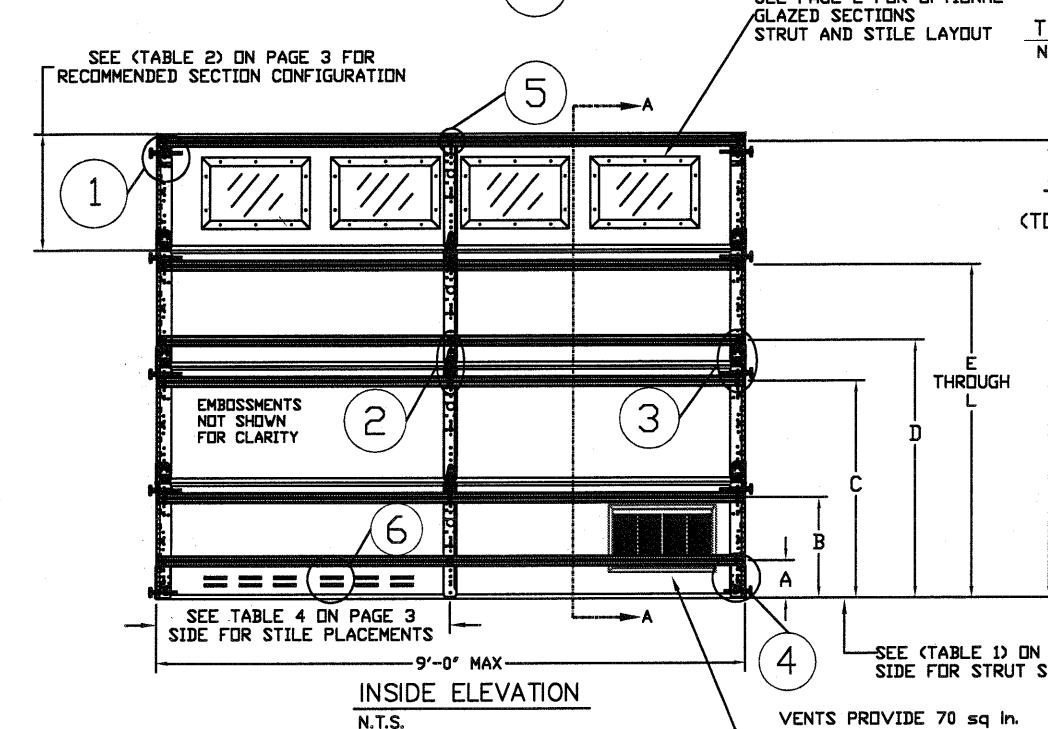
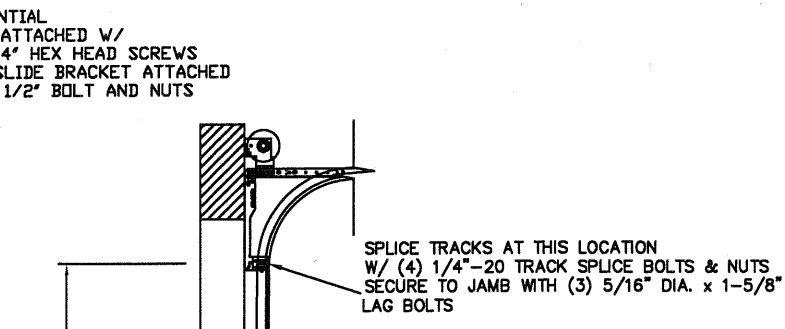
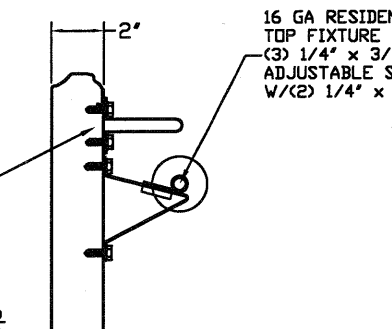
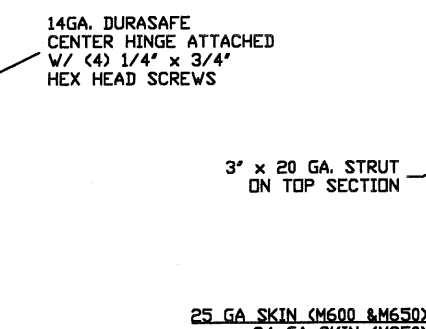
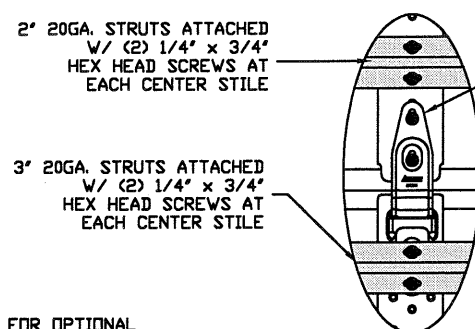
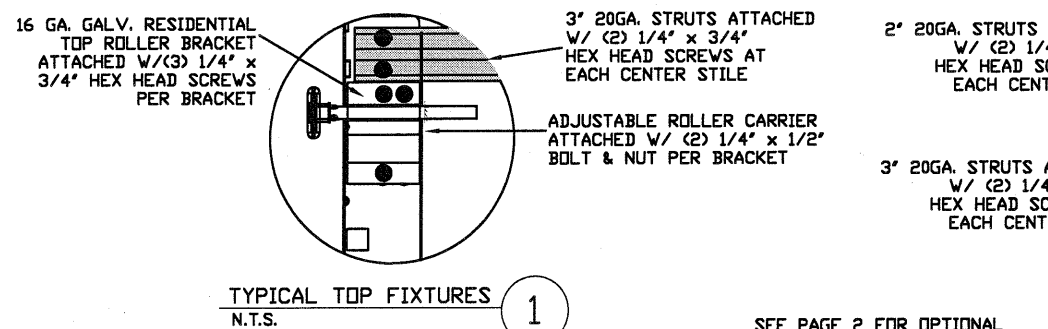




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

- SPECIFICATIONS AND NOTES**
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
 - EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +120.2 LBS/FT & -142.2 LBS/FT
 - DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 - DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") 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

A

UPDATED BOTTOM BRACKET INFORMATION
ADDED OAKSUMMIT AND GLAZING OPTIONS

08/10/05

DLJ

B

UPDATED NOTE 6

09/02/08

DLJ

C

CHANGED STRUT CONFIGURATION

03/01/13

RJR

MAX SIZE
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
+40.1 PSF
-47.4 PSF

THOMAS L. SHELMERDINE

FL

PROFESSIONAL ENGINEER

No. 48579

STATE OF FLORIDA

Amarr

MODEL #650 AMARR OAK SUMMIT 1000, 2000

MODEL #600 AMARR STRATFORD 1000, 2000

MODEL #950 AMARR HERITAGE 1000, 2000

Short, Long, Flush & Oak Summit Panel's

SIZE

DRAWN BY DLJ

DATE 05/08/03

DRAWING NUMBER

B

CHECKED BY AAE

DATE 05/08/03

IRC-6009-130-15

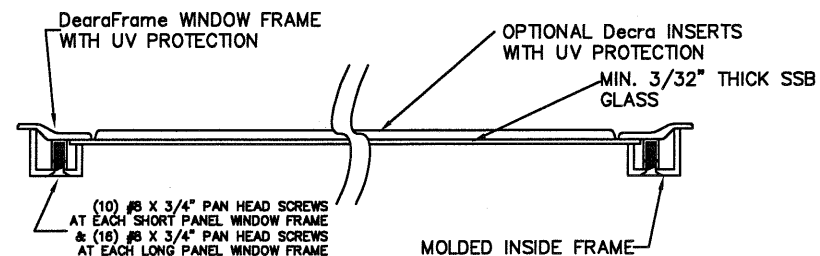
ENTREMATICS

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

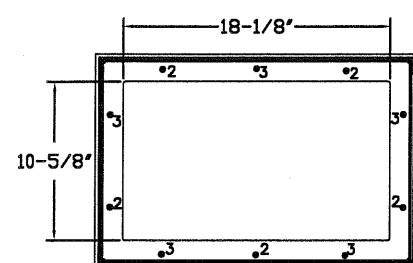
SHEET 1 OF 3

GLAZING OPTION CROSS SECTION

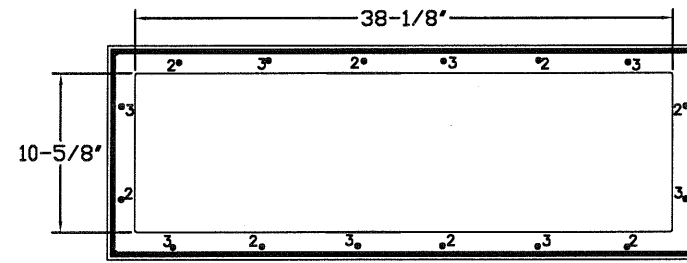
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



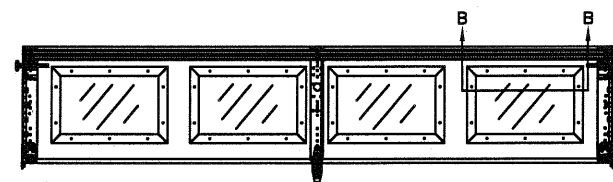
SECTION B-B



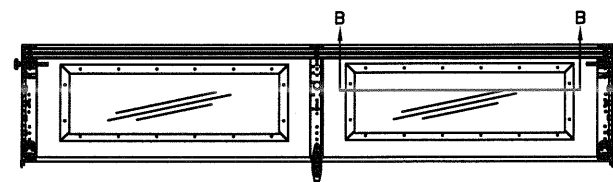
SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



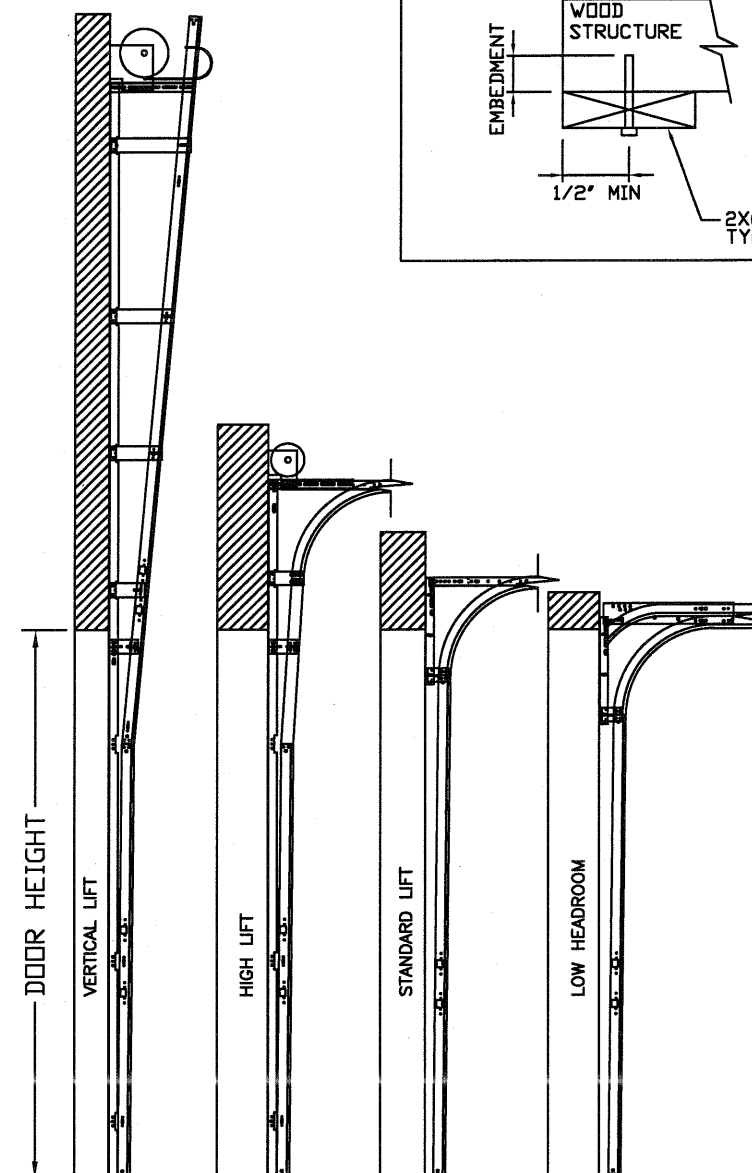
LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT



OPTIONAL LONG PANEL GLAZED SECTION STRUT AND STILE LAYOUT

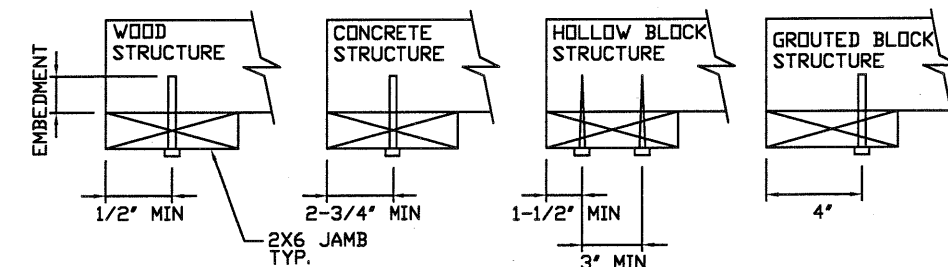


AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	08/10/05	DLJ
B	UPDATED NOTE 6	09/02/08	DLJ
C	CHANGED STRUT CONFIGURATION	03/01/13	RLR

MAX SIZE
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
+40.1 PSF
-47.4 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 #650 AMARR OAK SUMMIT 1000, 2000
MODEL #600 AMARR STRATFORD 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	DLJ	DATE	05/08/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	05/08/03	IRC-6009-130-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)											TOP T
	A	B	C	D	E	F	G	H	I	J	K	
6' 6"	6 3/4"	18 1/4"	36 1/4"	43 1/2"	54 1/4"							76 1/2"
7'	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"							82 1/2"
7' 6"	6 3/4"	15 1/4"	33 1/4"	40 1/2"	51 1/4"	69 1/4"	76 1/2"					88 1/2"
8'	6 3/4"	18 1/4"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"					94 1/2"
8' 6"	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"					100 1/2"
9'	6 3/4"	15 1/4"	33 1/4"	40 1/2"	51 1/4"	69 1/4"	76 1/2"	87 1/4"				106 1/2"
9' 6"	6 3/4"	18 1/4"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"				112 1/2"
10'	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"	96 1/4"				118 1/2"
10' 6"	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"				124 1/2"
11'	6 3/4"	18 1/4"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"		130 1/2"
11' 6"	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	78 1/4"	85 1/2"	96 1/4"	114 1/4"	121 1/2"		136 1/2"
12'	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	120 1/4"	127 1/2"		142 1/2"
12' 6"	6 3/4"	18 1/4"	36 1/4"	43 1/2"	54 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"	126 1/4"	148 1/2"
13'	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	72 1/4"	79 1/2"	90 1/4"	108 1/4"	115 1/2"	126 1/4"	154 1/2"
13' 6"	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	120 1/4"	127 1/2"	138 1/4"	160 1/2"
14'	6 3/4"	18 1/4"	39 1/4"	46 1/2"	60 1/4"	81 1/4"	88 1/2"	102 1/4"	123 1/4"	130 1/2"	144 1/4"	166 1/2"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT							SPLICE S
	A	B	C	D	E	F	G	
6' 6"	10"	38"	58"					70"
7'	10"	38"	58"					76"
7' 6"	4"	28"	52"	76"				82"
8'	10"	34"	58"	82"				88"
8' 6"	4"	28"	52"	76"				94"
9'	10"	34"	58"	82"				100"
9' 6"	4"	28"	52"	76"	100"			106"
10'	10"	34"	58"	82"	106"			112"
10' 6"	4"	28"	52"	76"	100"			118"
11'	10"	34"	58"	82"	106"			124"
11' 6"	4"	28"	52"	76"	100"	124"		130"
12'	10"	34"	58"	82"	106"	130"		136"
12' 6"	4"	28"	52"	76"	100"	124"		142"
13'	10"	34"	58"	82"	106"	130"		148"
13' 6"	4"	28"	52"	76"	100"	124"	148"	154"
14'	10"	34"	58"	82"	106"	130"	154"	160"

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

TABLE 4

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8' 0	Short, Oak Summit	48.000	29.9	35.4
8' 0	Long	48.000	29.9	35.4
8' 2	Short, Oak Summit	49.000	29.3	34.7
8' 2	Long	49.000	29.3	34.7
8' 4	Short, Oak Summit	50.000	28.7	34.0
8' 4	Long	50.000	28.7	34.0
8' 6	Short, Oak Summit	51.000	28.1	33.3
8' 6	Long	51.000	28.1	33.3
8' 8	Short, Oak Summit	52.000	27.6	32.7
8' 8	Long	52.000	27.6	32.7
8' 10	Short, Oak Summit	53.000	27.1	32.0
8' 10	Long	53.000	27.1	32.0
9' 0	Short, Oak Summit	54.000	26.7	31.6
9' 0	Long	54.000	26.7	31.6

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION	08/10/05	DLJ
	ADDED OAKSUMMIT AND GLAZING OPTIONS		
B	UPDATED NOTE 6	09/02/08	DLJ
C	CHANGED STRUT CONFIGURATION	03/01/13	RLR
MAX SIZE 9' x 14' DESIGN LOADS +26.7 PSF -31.6 PSF TEST LOADS +40.1 PSF -47.4 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 #650 AMARR OAK SUMMIT 1000, 2000 MODEL #600 AMARR STRATFORD 1000, 2000 MODEL #950 AMARR HERITAGE 1000, 2000 Short, Long, Flush & Oak Summit Panel's			
SIZE	DRAWN BY DLJ	DATE 05/08/03	DRAWING NUMBER
B	CHECKED BY AAE	DATE 05/08/03	IRC-6009-130-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3