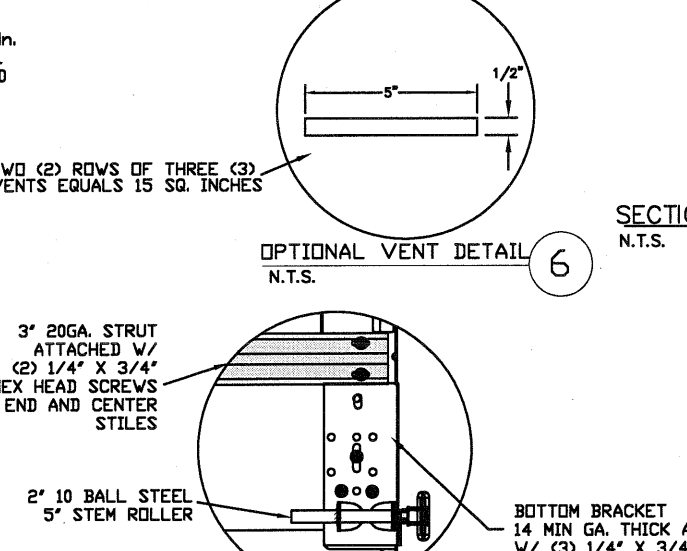
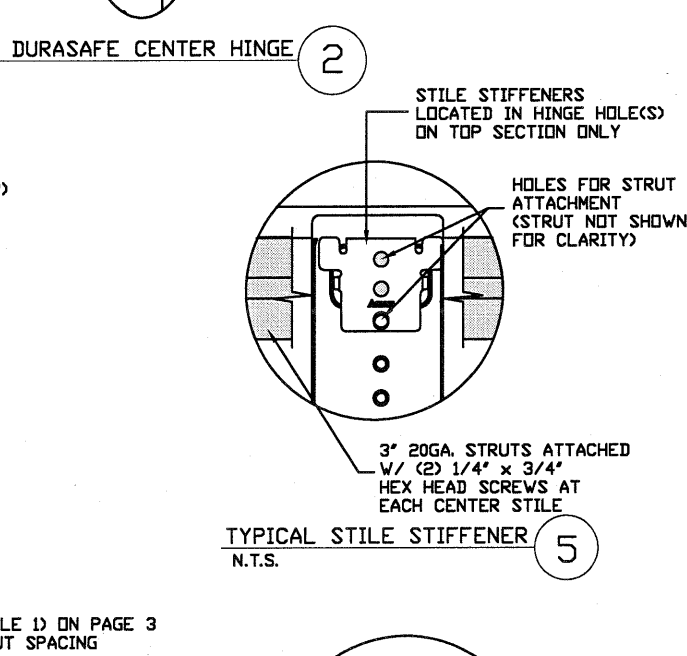
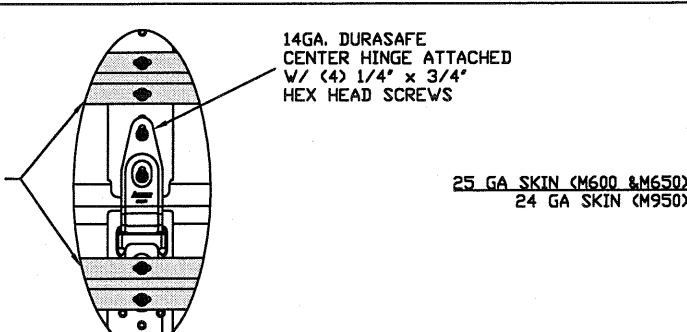
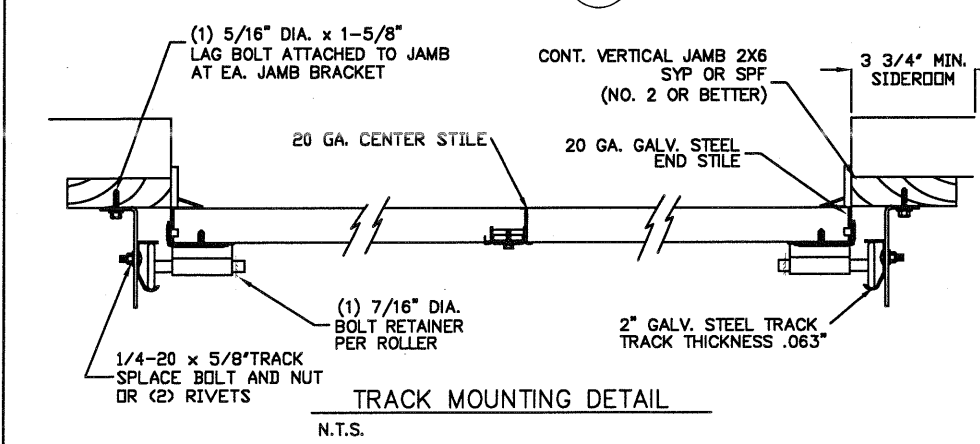
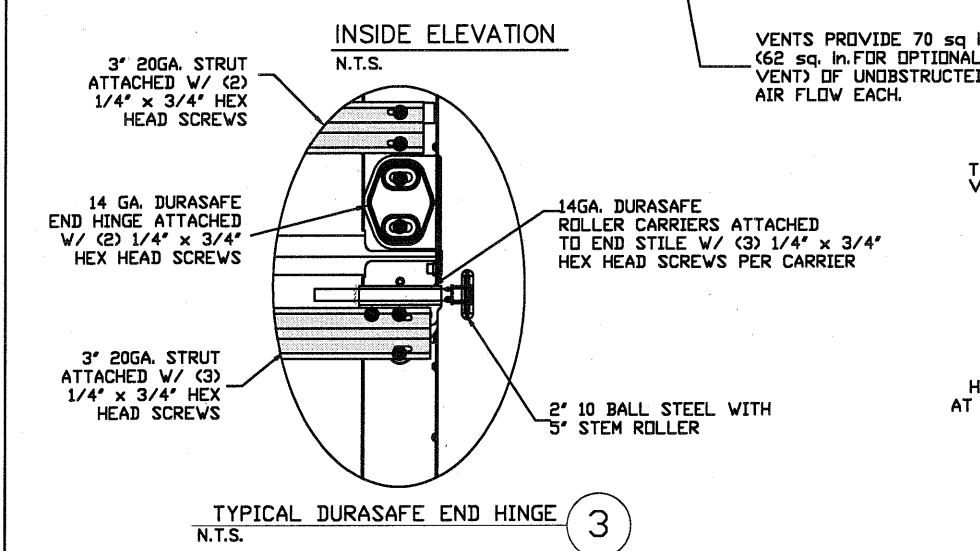
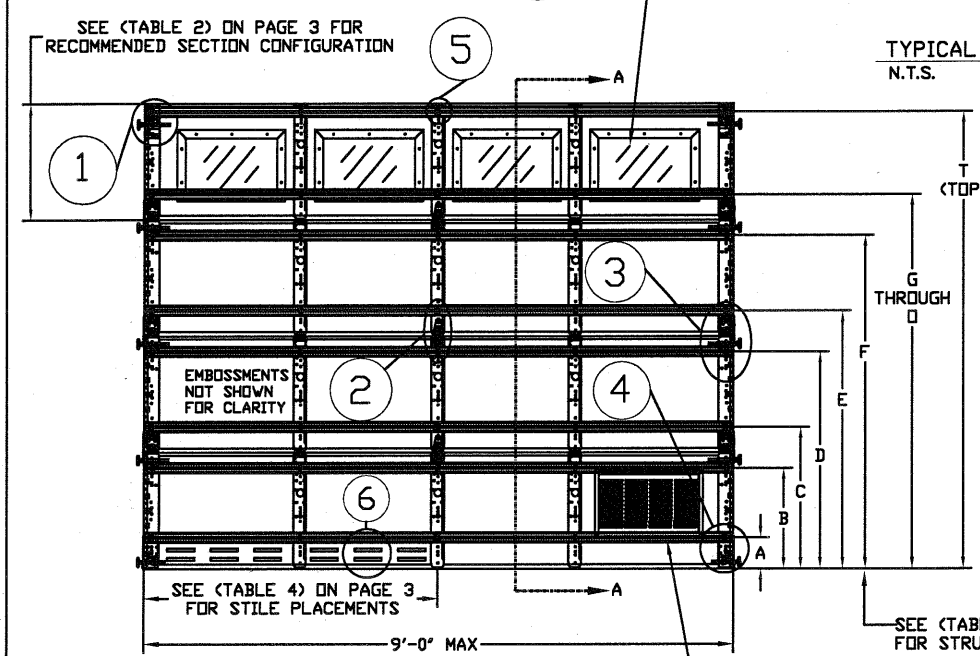
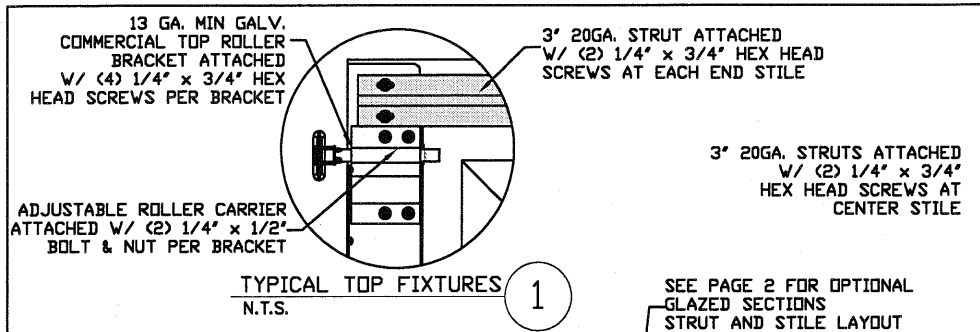
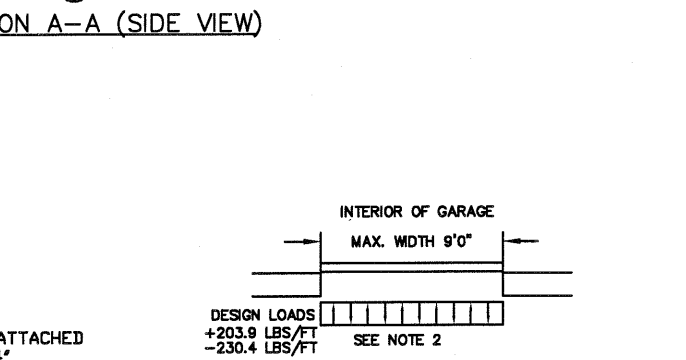
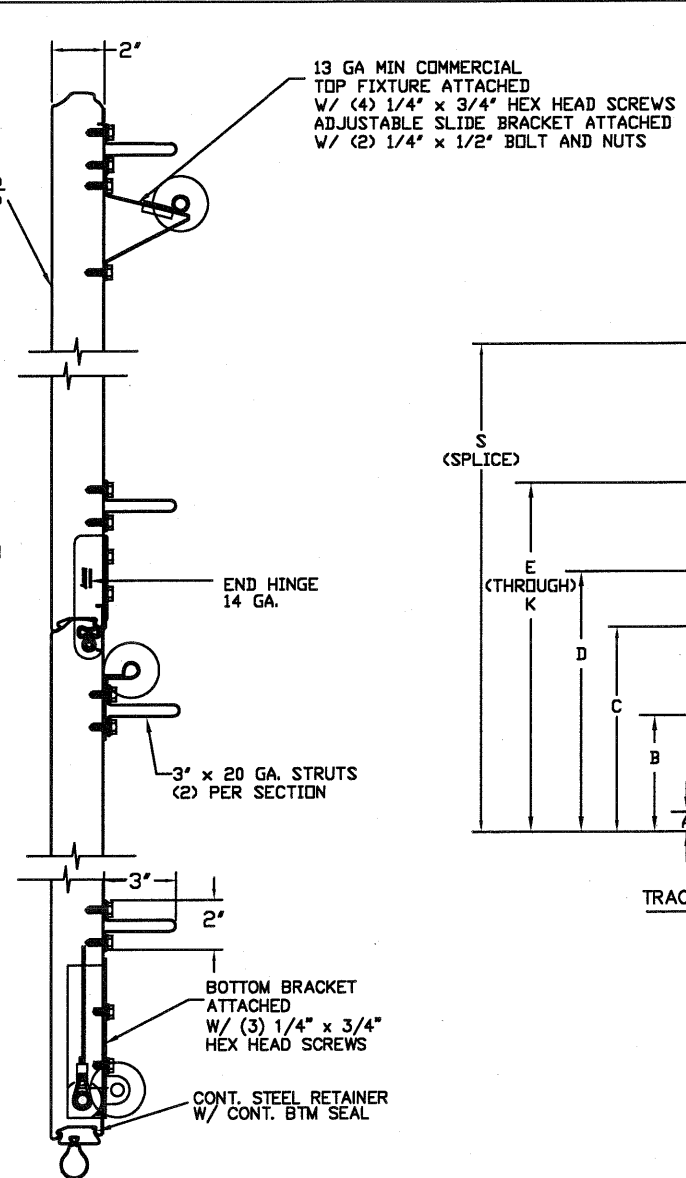


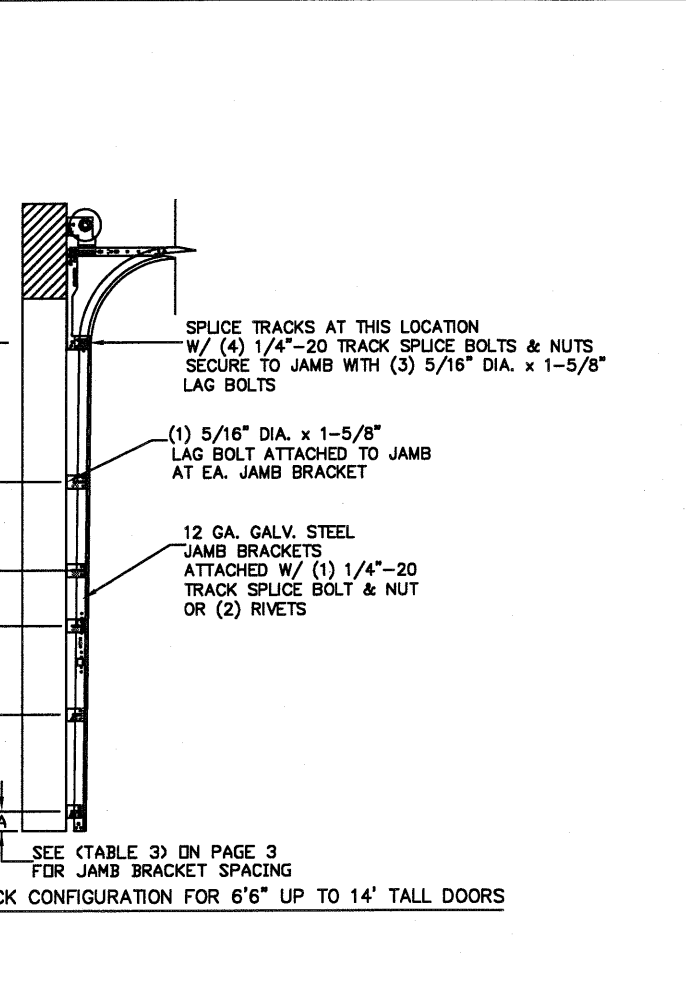


THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	214	194	184	176	169
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: +203.9 LBS/FT & -230.4 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	08/15/05	DLJ
B	ADDED OAKSUMMIT AND GLAZING OPTIONS UPDATED NOTE 6	09/02/08	DLJ
C	ADDED TWO CENTER STILES	04/11/13	RLR

MAX SIZE 9' x 14'

DESIGN LOADS
+45.3 PSF
-51.2 PSF

TEST LOADS
+68.0 PSF
-76.5 PSF

Thomas L. Shelmerdine, PE (FL #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

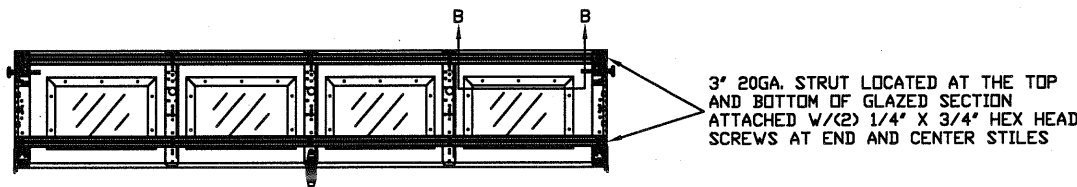
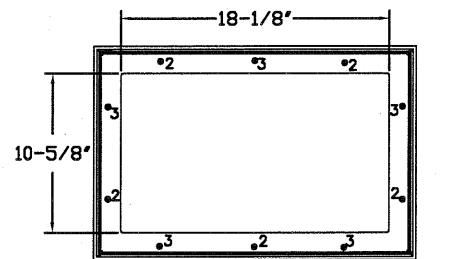
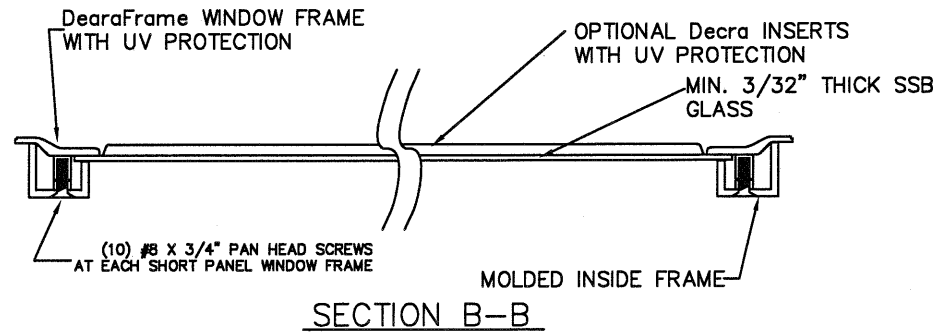
SIZE	DRAWN BY DLJ	DATE 05/16/03	DRAWING NUMBER
B	CHECKED BY AAE	DATE 05/16/03	IRC-6009-169-15

ENTREMATTEC
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

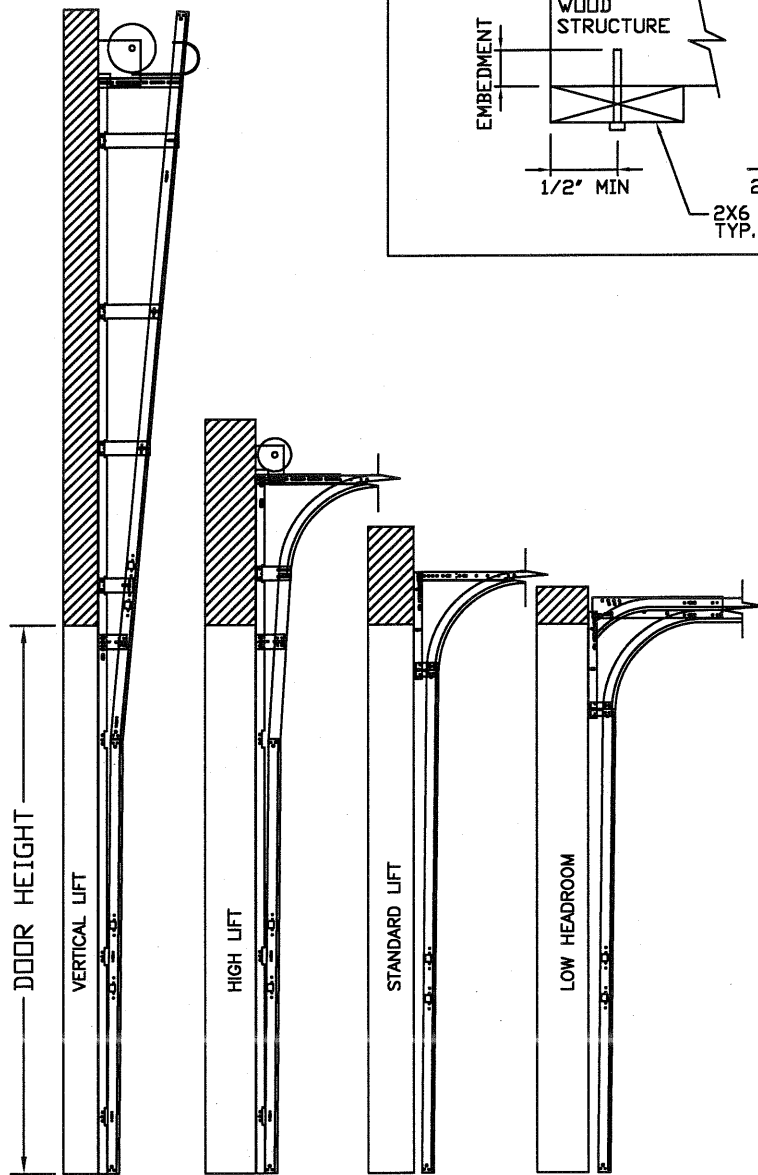
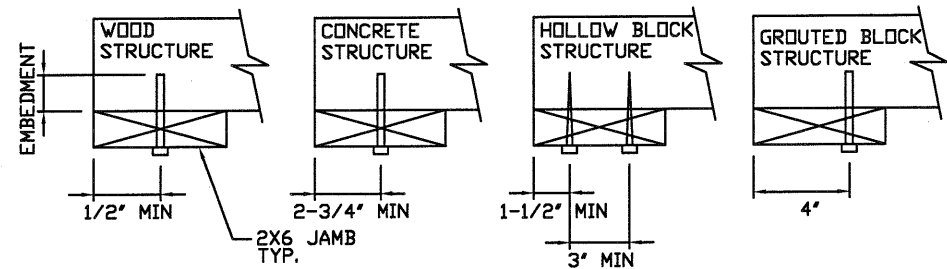


WOOD JAMB ATTACHMENT TO STRUCTURE

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 20" 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



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C	ADDED TWO CENTER STILES	04/11/13	RLR

MAX SIZE
9' x 14'

DESIGN LOADS
+45.3 PSF
-51.2 PSF

TEST LOADS
+68.0 PSF
-76.5 PSF

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

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

Amarr

MODEL #650 AMARR OAK SUMMIT 1000, 2000
MODEL #800 AMARR STRATFORD 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	DLJ	DATE	05/16/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	05/16/03	IRC-6009-169-15
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
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T
6' 6"	5 1/2"	18"	25 3/8"	36"	43 3/8"	54"	61 3/8"									76 1/4"
7'	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"									82 1/4"
7' 6"	5 1/2"	15"	22 3/8"	33"	40 3/8"	51"	58 3/8"	69"	76 3/8"							88 1/4"
8'	5 1/2"	18"	25 3/8"	36"	43 3/8"	54"	61 3/8"	72"	79 3/8"							94 1/4"
8' 6"	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	78"	85 3/8"							100 1/4"
9'	5 1/2"	15"	22 3/8"	33"	40 3/8"	51"	58 3/8"	69"	76 3/8"	87"	94 3/8"					106 1/4"
9' 6"	5 1/2"	18"	25 3/8"	36"	43 3/8"	54"	61 3/8"	72"	79 3/8"	90"	97 3/8"					112 1/4"
10'	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	78"	85 3/8"	96"	103 3/8"					118 1/4"
10' 6"	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	81"	88 3/8"	102"	109 3/8"					124 1/4"
11'	5 1/2"	18"	25 3/8"	36"	43 3/8"	54"	61 3/8"	72"	79 3/8"	90"	97 3/8"	108"	115 3/8"			130 1/4"
11' 6"	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	78"	85 3/8"	96"	103 3/8"	114"	121 3/8"			136 1/4"
12'	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	81"	88 3/8"	102"	109 3/8"	120"	127 3/8"			142 1/4"
12' 6"	5 1/2"	18"	25 3/8"	36"	43 3/8"	54"	61 3/8"	72"	79 3/8"	90"	97 3/8"	108"	115 3/8"	126"	133 3/8"	148 1/4"
13'	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	78"	85 3/8"	96"	103 3/8"	114"	121 3/8"	132"	139 3/8"	154 1/4"
13' 6"	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	81"	88 3/8"	102"	109 3/8"	120"	127 3/8"	138"	145 3/8"	160 1/4"
14'	5 1/2"	18"	25 3/8"	39"	46 3/8"	60"	67 3/8"	81"	88 3/8"	102"	109 3/8"	123"	130 3/8"	144"	151 3/8"	166 1/4"

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
	A	B	C	D	E	F	G	H	I	J	K	S
6' 6"	3.5"	21"	37"	47"	63"							70"
7'	3.5"	21"	37"	47"	63"							76"
7' 6"	3.5"	18"	37"	47"	63"	73"						82"
8'	3.5"	21"	37"	47"	63"	73"						88"
8' 6"	3.5"	21"	37"	47"	63"	73"						94"
9'	3.5"	18"	37"	47"	63"	73"	89"					100"
9' 6"	3.5"	21"	37"	47"	63"	73"	89"					106"
10'	3.5"	21"	37"	47"	63"	73"	89"	99"				112"
10' 6"	3.5"	21"	37"	47"	63"	73"	89"	99"				118"
11'	3.5"	21"	37"	47"	63"	73"	89"	99"	115"			124"
11' 6"	3.5"	21"	37"	47"	63"	73"	89"	99"	115"			130"
12'	3.5"	21"	37"	47"	63"	73"	89"	99"	115"	125"		136"
12' 6"	3.5"	21"	37"	47"	63"	73"	89"	99"	115"	125"		142"
13'	3.5"	21"	37"	47"	63"	73"	89"	99"	115"	125"		148"
13' 6"	3.5"	21"	37"	47"	63"	73"	89"	99"	115"	125"	141"	154"
14'	3.5"	21"	37"	47"	63"	73"	89"	99"	115"	125"	141"	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)		
8' 0"	Short, Oak Summit	*22.75	48.000	*73.25
8' 0"	Long	*22.75	48.000	*73.25
8' 2"	Short, Oak Summit	*23.75	49.000	*74.25
8' 2"	Long	*23.75	49.000	*74.25
8' 4"	Short, Oak Summit	*24.75	50.000	*75.25
8' 4"	Long	*24.75	50.000	*75.25
8' 6"	Short, Oak Summit	*25.75	51.000	*76.25
8' 6"	Long	*25.75	51.000	*76.25
8' 8"	Short, Oak Summit	*26.75	52.000	*77.25
8' 8"	Long	*26.75	52.000	*77.25
8' 10"	Short, Oak Summit	*27.75	53.000	*78.25
8' 10"	Long	*27.75	53.000	*78.25
9' 0"	Short, Oak Summit	*28.75	54.000	*79.25
9' 0"	Long	*28.75	54.000	*79.25

* Stiles do not need to be hinged

TABLE 5

Section Width (ft)	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
8' 0"	Short, Oak Summit	50.7	57.3
8' 0"	Long	50.7	57.3
8' 2"	Short, Oak Summit	49.7	56.1
8' 2"	Long	49.7	56.1
8' 4"	Short, Oak Summit	48.7	55.0
8' 4"	Long	48.7	55.0
8' 6"	Short, Oak Summit	47.7	53.9
8' 6"	Long	47.7	53.9
8' 8"	Short, Oak Summit	46.8	52.9
8' 8"	Long	46.8	52.9
8' 10"	Short, Oak Summit	45.9	51.9
8' 10"	Long	45.9	51.9
9' 0"	Short, Oak Summit	45.3	51.2
9' 0"	Long	45.3	51.2

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C	ADDED TWO CENTER STILES	04/11/13	RLR
MAX SIZE 9' x 14' DESIGN LOADS +45.3 PSF -51.2 PSF TEST LOADS +68.0 PSF -76.5 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 05/16/03	DRAWING NUMBER
B	CHECKED BY AAE	DATE 05/16/03	IRC-6009-169-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3