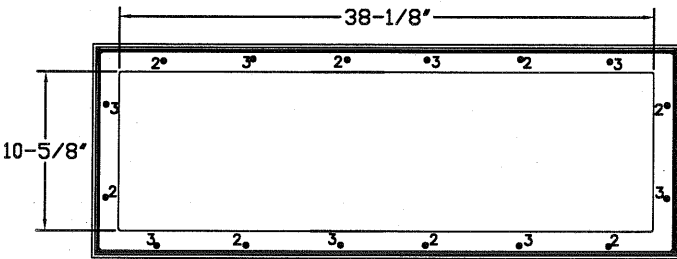
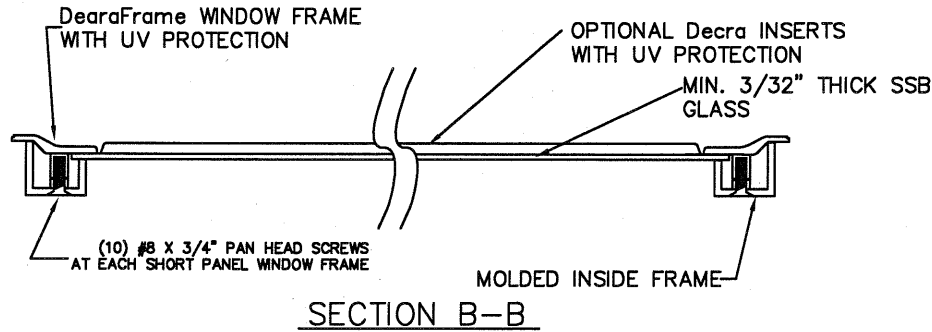
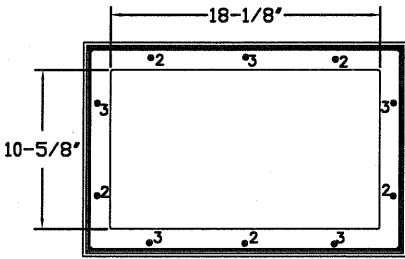


GLAZING OPTION CROSS SECTION

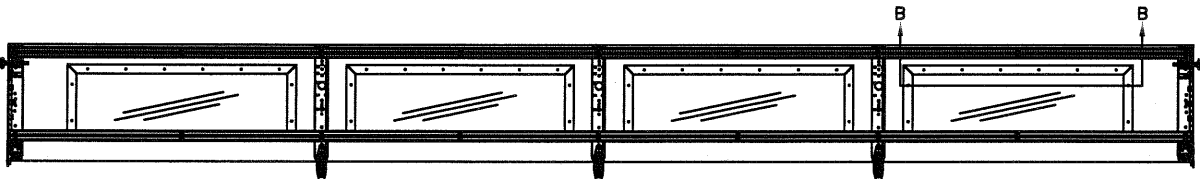
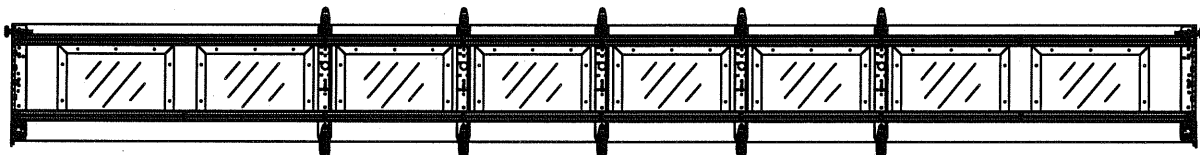
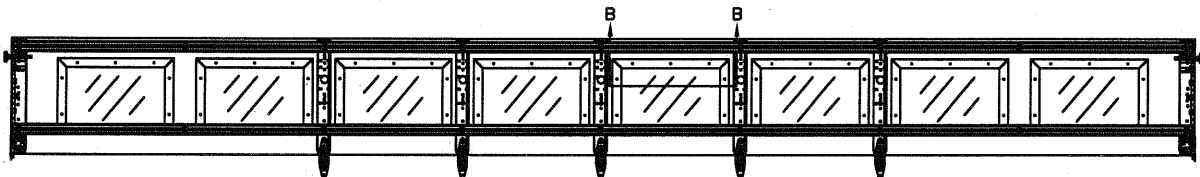
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



*LONG PANEL GLAZING ONLY AVAILABLE IN TOP SECTION

WOOD JAMB ATTACHMENT TO STRUCTURE

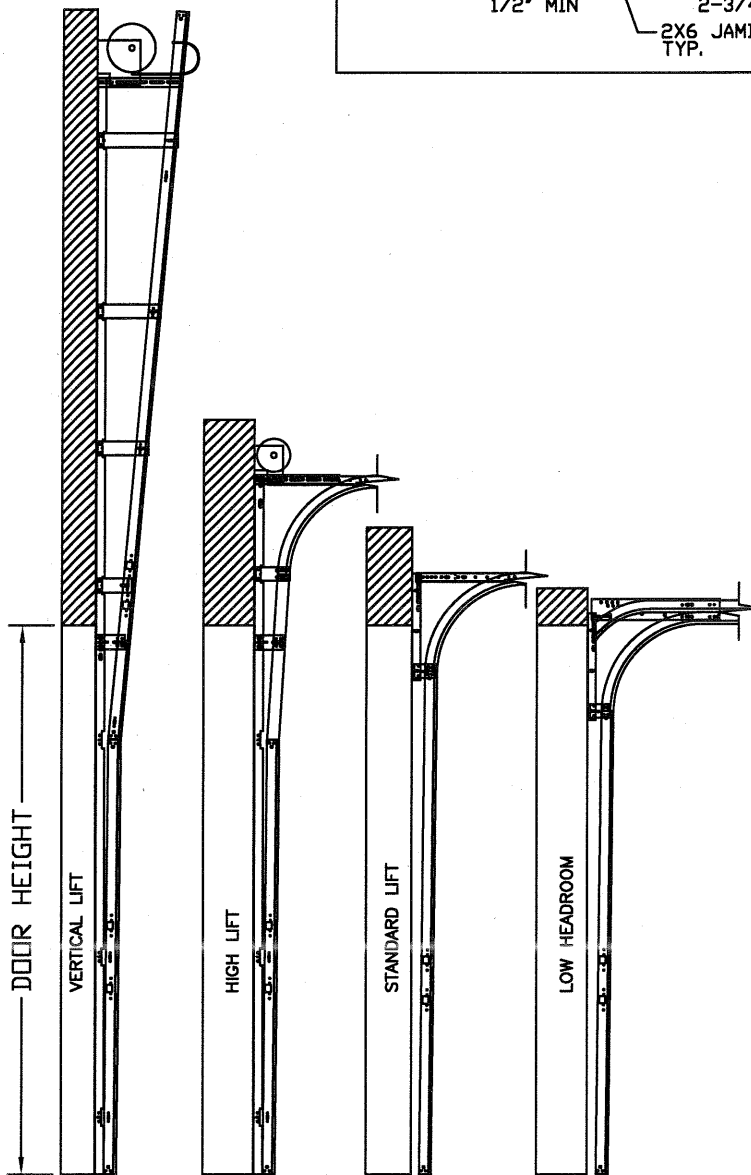
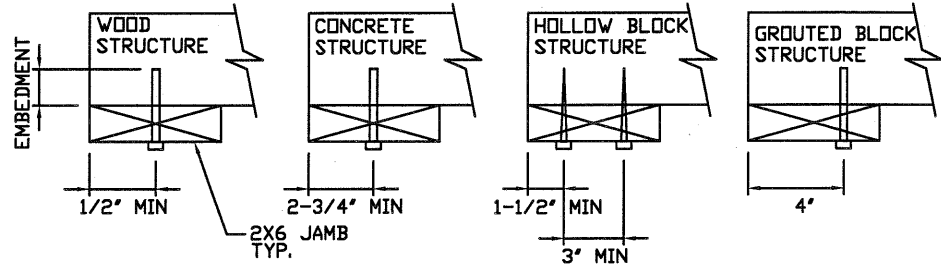
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	08/30/05	DLJ
B	REVISED NOTE 6	09/02/08	DLJ
C	WIND SPEED TABLE & TRACK CONFIGURATIONS	04/20/12	RLR
D	ADDED JAMB BRACKET	12/18/12	RLR
E	ADDED LONG PANEL GLAZING OPTION/ADDED HINGES	02/08/17	RLR

MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)	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)
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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	09/10/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	09/10/03	IRC-6018-110-15

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	L	M	N	O	
6' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"									76 1/2"
7'	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"									82 1/2"
7' 6"	5 1/2"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	58 1/2"	69 1/4"	76 1/2"							88 1/2"
8'	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"							94 1/2"
8' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"							100 1/2"
9'	5 1/2"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	58 1/2"	69 1/4"	76 1/2"	87 1/4"	94 1/2"					106 1/2"
9' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"	97 1/2"					112 1/2"
10'	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"	103 1/2"					118 1/2"
10' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"					124 1/2"
11'	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"	97 1/2"	108 1/4"	115 1/2"			130 1/2"
11' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"	103 1/2"	114 1/4"	121 1/2"			136 1/2"
12'	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	120 1/4"	127 1/2"			142 1/2"
12' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"	97 1/2"	108 1/4"	115 1/2"	126 1/4"	133 1/2"	148 1/2"
13'	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"	103 1/2"	114 1/4"	121 1/2"	132 1/4"	139 1/2"	154 1/2"
13' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	120 1/4"	127 1/2"	138 1/4"	145 1/2"	160 1/2"
14'	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	123 1/4"	130 1/2"	144 1/4"	151 1/2"	166 1/2"

TABLE 4

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
		1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	50.27	73.64	97.00	120.36	143.73	20.2	22.9
16' 2	Long	51.17	74.08	97.00	119.92	142.83	20.2	22.9
16' 2	Oak Summit	48.75	72.88	97.00	121.13	145.25	20.2	22.9
16' 4	Short	51.27	74.64	98.00	121.36	144.73	20.0	22.7
16' 4	Long	52.17	75.08	98.00	120.92	143.83	20.0	22.6
16' 4	Oak Summit	49.08	73.54	98.00	122.46	146.92	20.0	22.7
16' 6	Short	52.27	75.64	99.00	122.36	145.73	19.8	22.4
16' 6	Long	51.34	75.17	99.00	122.83	146.66	19.8	22.4
16' 6	Oak Summit	49.42	74.21	99.00	123.79	148.59	19.8	22.4
16' 8	Short	51.34	75.67	100.00	124.33	148.66	19.6	22.2
16' 8	Long	52.20	76.10	100.00	123.90	147.80	19.6	22.2
16' 8	Oak Summit	49.92	74.96	100.00	125.04	150.09	19.6	22.2
16' 10	Short	51.50	76.25	101.00	125.75	150.50	19.4	22.0
16' 10	Long	53.20	77.10	101.00	124.90	148.80	19.4	22.0
16' 10	Oak Summit	50.15	75.57	101.00	126.29	151.59	19.4	22.0
17' 0	Short	53.34	77.67	102.00	126.33	150.66	19.2	21.8
17' 0	Long	54.20	78.10	102.00	125.90	149.80	19.2	21.7
17' 0	Oak Summit	50.92	76.46	102.00	127.54	153.09	19.2	21.8
17' 2	Short	53.00	78.00	103.00	128.00	153.00	19.0	21.6
17' 2	Long	55.20	79.10	103.00	126.90	150.80	19.0	21.5
17' 2	Oak Summit	51.42	77.21	103.00	128.79	154.59	19.0	21.6
17' 4	Short	54.00	79.00	104.00	129.00	154.00	18.9	21.3
17' 4	Long	56.20	80.10	104.00	127.90	151.80	18.7	21.2
17' 4	Oak Summit	51.92	77.96	104.00	130.04	156.09	18.9	21.3
17' 6	Short	55.00	80.00	105.00	130.00	155.00	18.7	21.1
17' 6	Long	57.20	81.10	105.00	128.90	152.80	18.5	20.9
17' 6	Oak Summit	52.42	78.71	105.00	131.29	157.59	18.7	21.1
17' 8	Short	54.80	80.40	106.00	131.60	157.20	18.5	20.9
17' 8	Long	55.80	80.90	106.00	131.10	156.20	18.5	20.9
17' 8	Oak Summit	52.92	79.46	106.00	132.54	159.09	18.5	20.9
17' 10	Short	55.80	81.40	107.00	132.60	158.20	18.3	20.7
17' 10	Long	56.25	81.63	107.00	132.38	157.75	18.3	20.7
17' 10	Oak Summit	53.42	80.21	107.00	133.79	160.59	18.3	20.7
18' 0	Short	57.25	82.63	108.00	133.38	158.75	18.2	20.6
18' 0	Long	57.80	82.90	108.00	133.10	158.20	18.2	20.6
18' 0	Oak Summit	53.92	80.96	108.00	135.04	162.09	18.2	20.6

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"	21"	38"	58"				70"	
7'	10"	21"	38"	58"				76"	
7' 6"	10"	21"	38"	58"	78"			82"	
8'	10"	21"	38"	58"	78"			88"	
8' 6"	10"	21"	38"	58"	78"			94"	
9'	10"	21"	38"	58"	78"			100"	
9' 6"	10"	21"	38"	58"	78"	98"		106"	
10'	10"	21"	38"	58"	78"	98"		112"	
10' 6"	10"	21"	38"	58"	78"	98"		118"	
11'	10"	21"	38"	58"	78"	98"	118"	124"	
11' 6"	10"	21"	38"	58"	78"	98"	118"	130"	
12'	10"	21"	38"	58"	78"	98"	118"	136"	
12' 6"	10"	21"	38"	58"	78"	98"	118"	142"	
13'	10"	21"	38"	58"	78"	98"	118"	138"	148"
13' 6"	10"	21"	38"	58"	78"	98"	118"	138"	154"
14'	10"	21"	38"	58"	78"	98"	118"	138"	160"

JAMB BRACKET SPACING ALLOWS +/- 2" WITH SYP OR SPF NO. 2 OR BETTER ONLY

REVDESCRIPTION OF REVISIONSDATEBY

AUPDATED BOTTOM BRACKET INFORMATION
ADDED OAKSUMMIT AND GLAZING OPTIONS08/30/05DLJ

BREVISED NOTE 609/02/08DLJ

CWIND SPEED TABLE & TRACK CONFIGURATIONS04/20/12RLR

DADDED JAMB BRACKET12/18/12RLR

EADDED LONG PANEL GLAZING OPTION/ADDED HINGES02/08/17RLR

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

DESIGN LOADS
+18.2 PSF
-20.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+27.3 PSF
-30.9 PSF

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Short, Flush & Oak Summit Panel's

SIZE
B

DRAWN BY DLJ
CHECKED BY AAE

DATE 09/10/03
DATE 09/10/03

DRAWING NUMBER
IRC-6018-110-15

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

SHEET 3 OF 3