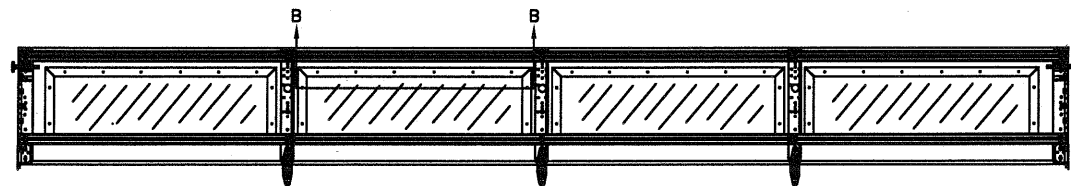
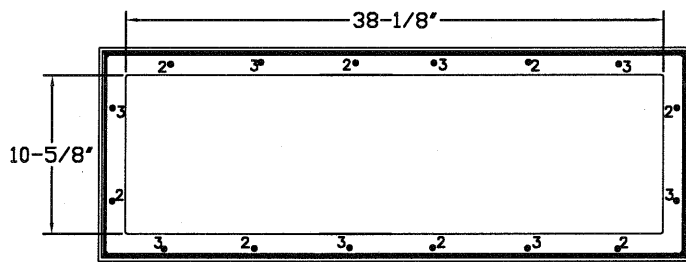


WOOD JAMB ATTACHMENT TO STRUCTURE



LONG PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUTS)

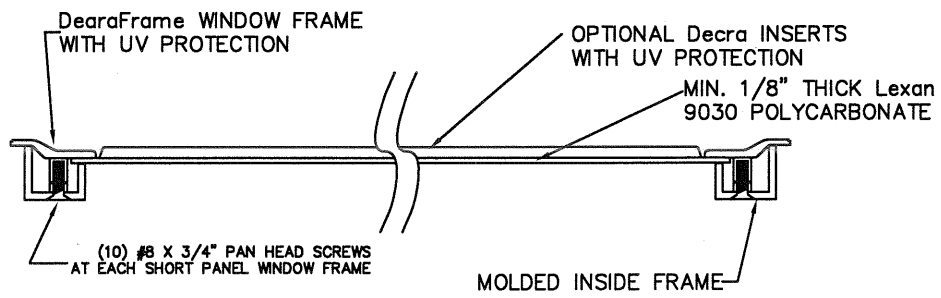
3\"/>



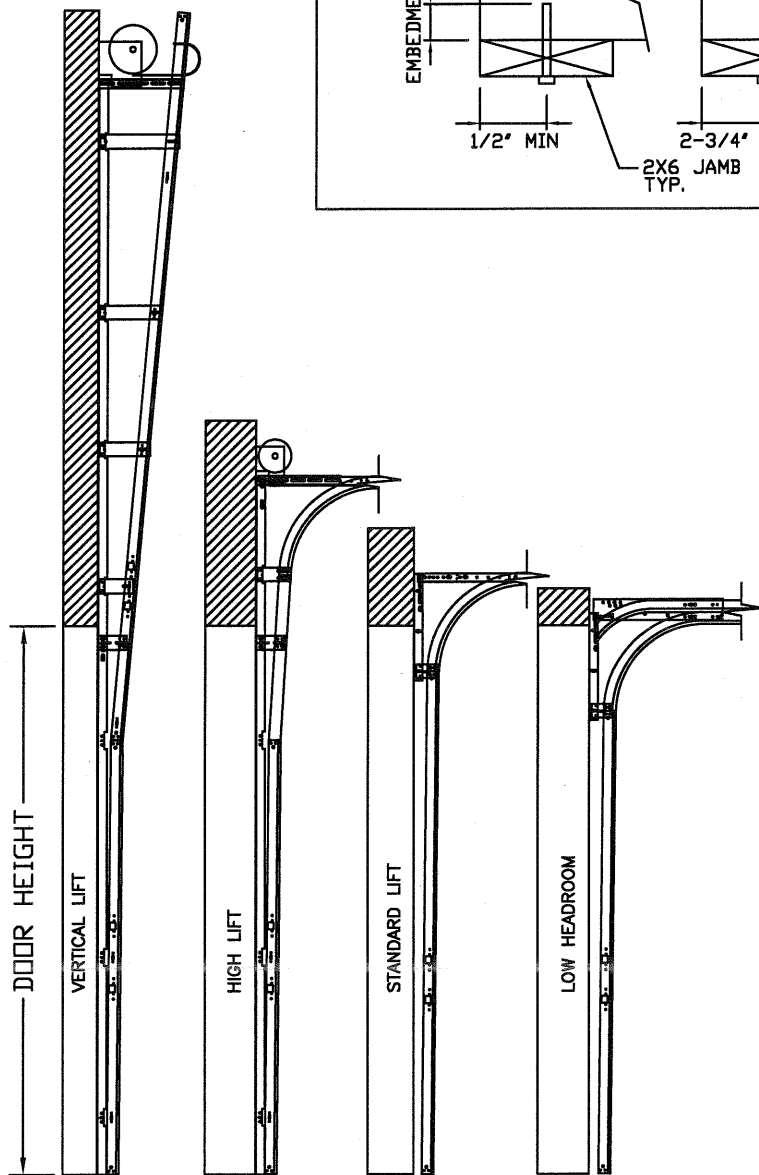
LONG PANEL GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SECTION B-B

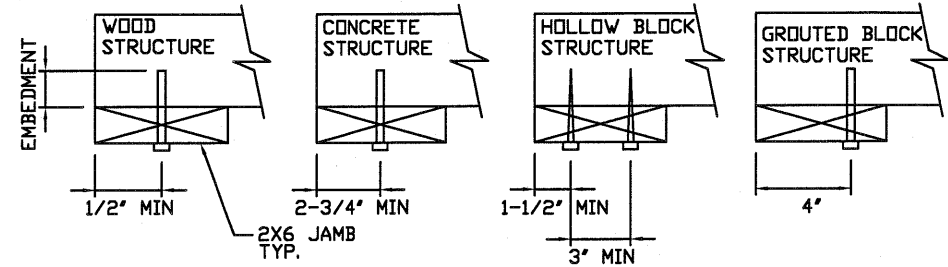


AVAILABLE TRACK CONFIGURATIONS
N.T.S.

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8\"/>

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16\"/>

(DOOR HEIGHT
SUBJECT TO
WEIGHT LIMITATIONS)
DESIGN LOADS
+25.6 PSF
-29.1 PSF

TEST LOADS
+38.4 PSF
-43.6 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

MODEL #650 OAK SUMMIT w/DuraSafe
MODEL #600 STRATFORD w/DuraSafe
MODEL #950 HERITAGE w/DuraSafe
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	RLR	DATE	05/22/14	DRAWING NUMBER
B	CHECKED BY		DATE		IRC-6016-130-15-P

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

SHEET 2 OF 3

TABLE 4

Section	Panel Type	Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)	Positive (PSF)	Negative (PSF)
10' 0	Short	48.41	71.59						34.2	38.8
10' 0	Long	30.00	60.00	90.00					40.8	46.3
10' 0	Oak Summit	30.63	60.00	89.38					40.8	46.3
12' 0	Short	25.62	48.81	72.00	96.36	119.55			34.0	38.6
12' 0	Long	27.25	49.63	72.00	94.38	116.75			34.0	38.6
12' 0	Oak Summit	24.63	48.31	72.00	95.69	119.38			34.0	38.6
12' 2	Short	26.27	49.64	73.00	96.36	119.73			33.5	38.1
12' 2	Long	27.17	50.08	73.00	95.92	118.83			33.5	38.1
12' 2	Oak Summit	25.13	49.06	73.00	96.94	120.88			33.5	38.1
12' 4	Short	27.27	50.64	74.00	97.36	120.73			33.0	37.6
12' 4	Long	28.17	51.08	74.00	96.92	119.83			33.0	37.6
12' 4	Oak Summit	25.63	49.81	74.00	98.19	122.38			33.0	37.6
12' 6	Short	26.34	50.67	75.00	99.33	123.66			32.6	37.1
12' 6	Long	27.34	51.17	75.00	98.83	122.66			32.6	37.1
12' 6	Oak Summit	26.13	50.56	75.00	99.44	123.88			32.6	37.1
12' 8	Short	27.34	51.67	76.00	100.33	124.66			32.2	36.6
12' 8	Long	28.20	52.10	76.00	99.90	123.80			32.2	36.6
12' 8	Oak Summit	26.63	51.31	76.00	100.69	125.38			32.2	36.6
12' 10	Short	27.50	52.25	77.00	101.75	126.50			31.8	36.1
12' 10	Long	29.20	53.10	77.00	100.90	124.80			31.8	36.1
12' 10	Oak Summit	27.13	52.06	77.00	101.94	126.88			31.8	36.1
13' 0	Short	28.00	53.00	78.00	103.00	128.00			31.4	35.6
13' 0	Long	30.20	54.10	78.00	101.90	125.80			31.4	35.6
13' 0	Oak Summit	27.63	52.81	78.00	103.19	128.38			31.4	35.6
13' 2	Short	29.00	54.00	79.00	104.00	129.00			31.0	35.2
13' 2	Long	31.20	55.10	79.00	102.90	126.80			31.0	35.2
13' 2	Oak Summit	28.13	53.56	79.00	104.44	129.88			31.0	35.2
13' 4	Short	28.80	54.40	80.00	105.60	131.20			30.6	34.7
13' 4	Long	29.80	54.90	80.00	105.10	130.20			30.6	34.7
13' 4	Oak Summit	28.63	54.31	80.00	105.69	131.38			30.6	34.7
13' 6	Short	29.80	55.40	81.00	106.60	132.20			30.2	34.3
13' 6	Long	30.80	55.90	81.00	106.10	131.20			30.2	34.3
13' 6	Oak Summit	29.13	55.06	81.00	106.94	132.88			30.2	34.3
13' 8	Short	30.80	56.40	82.00	107.60	133.20			29.8	33.9
13' 8	Long	31.25	56.63	82.00	107.38	132.75			29.8	33.9
13' 8	Oak Summit	29.63	55.81	82.00	108.19	134.38			29.8	33.9
13' 10	Short	31.33	57.16	83.00	108.71	134.55			29.5	33.5
13' 10	Long	31.34	57.17	83.00	108.83	134.66			29.5	33.5
13' 10	Oak Summit	30.13	56.56	83.00	109.44	135.88			29.5	33.5
14' 0	Short	31.53	57.76	84.00	110.11	136.35			29.1	33.1
14' 0	Long	33.25	58.63	84.00	109.38	134.75			29.1	33.1
14' 0	Oak Summit	30.63	57.31	84.00	110.69	137.38			29.1	33.1
14' 2	Short	32.69	58.85	85.00	111.41	137.57			28.8	32.7
14' 2	Long	33.34	59.17	85.00	110.83	136.66			28.8	32.7
14' 2	Oak Summit	31.13	58.06	85.00	111.94	138.88			28.8	32.7
14' 4	Short	32.33	59.16	86.00	112.71	139.55			28.4	32.3
14' 4	Long	34.34	60.17	86.00	111.83	137.66			28.4	32.3
14' 4	Oak Summit	31.63	58.81	86.00	113.19	140.38			28.4	32.3
14' 6	Short	32.73	59.86	87.00	114.01	141.15			28.1	31.9
14' 6	Long	35.34	61.17	87.00	112.83	138.66			28.1	31.9
14' 6	Oak Summit	32.13	59.56	87.00	114.44	141.88			28.1	31.9
14' 8	Short	33.13	60.56	88.00	115.31	142.75			27.8	31.6
14' 8	Long	23.21	44.81	66.41	88.00	109.59	131.19	152.78	27.8	31.6
14' 8	Oak Summit	32.63	60.31	88.00	115.69	143.38			27.8	31.6
14' 10	Short	33.53	61.26	89.00	116.61	144.35			27.5	31.2
14' 10	Long	23.90	45.60	67.30	89.00	110.70	132.40	154.10	27.5	31.2
14' 10	Oak Summit	33.13	61.06	89.00	116.94	144.88			27.5	31.2
15' 0	Short	47.91	61.94	75.97	90.00	103.97	117.940	131.91	27.2	30.9
15' 0	Long	24.90	46.60	68.30	90.00	111.70	133.40	155.10	27.2	30.9
15' 0	Oak Summit	33.63	61.81	90.00	118.19	146.38			27.2	30.9
15' 2	Short	48.50	62.66	76.83	91.00	105.11	119.210	133.31	26.9	30.5
15' 2	Long	25.90	47.60	69.30	91.00	112.70	134.40	156.10	26.9	30.5
15' 2	Oak Summit	34.13	62.56	91.00	119.44	147.88			26.9	30.5
15' 4	Short	28.00	53.60	79.20	104.80	130.40	156.00		26.6	30.2
15' 4	Long	24.87	47.25	69.63	92.00	114.38	136.75	159.13	26.6	30.2
15' 4	Oak Summit	34.63	63.31	92.00	120.69	149.38			26.6	30.2
15' 6	Short	23.44	46.62	69.81	93.00	116.19	139.38	162.56	26.3	29.9
15' 6	Long	24.90	47.60	70.30	93.00	115.70	138.40	161.10	26.3	29.9
15' 6	Oak Summit	24.63	47.42	70.21	93.00	115.79	138.58	161.37	26.3	29.9
15' 8	Short	24.44	47.62	70.81	94.00	117.19	140.38	163.56	26.0	29.6
15' 8	Long	25.90	48.60	71.30	94.00	116.70	139.40	162.10	26.0	29.6
15' 8	Oak Summit	25.03	48.02	71.01	94.00	116.99	139.98	162.97	26.0	29.6
15' 10	Short	25.44	48.62	71.81	95.00	118.19	141.38	164.56	25.7	29.3
15' 10	Long	26.25	49.17	72.08	95.00	117.92	140.83	163.75	25.7	29.3
15' 10	Oak Summit	25.43	48.62	71.81	95.00	118.19	141.38	164.57	25.7	29.3
16' 0	Short	26.44	49.62	72.81	96.00	119.19	142.38	165.56	25.6	29.1
16' 0	Long	27.90	50.60	73.30	96.00	118.70	141.40	164.10	25.6	29.1
16' 0	Oak Summit	24.63	48.42	72.21	96.00	119.79	143.58	167.37	25.6	29.1

*ONLY SHADED STILES ARE HINGED

TABLE 1

DOOR HEIGHT	3" 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 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 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"				