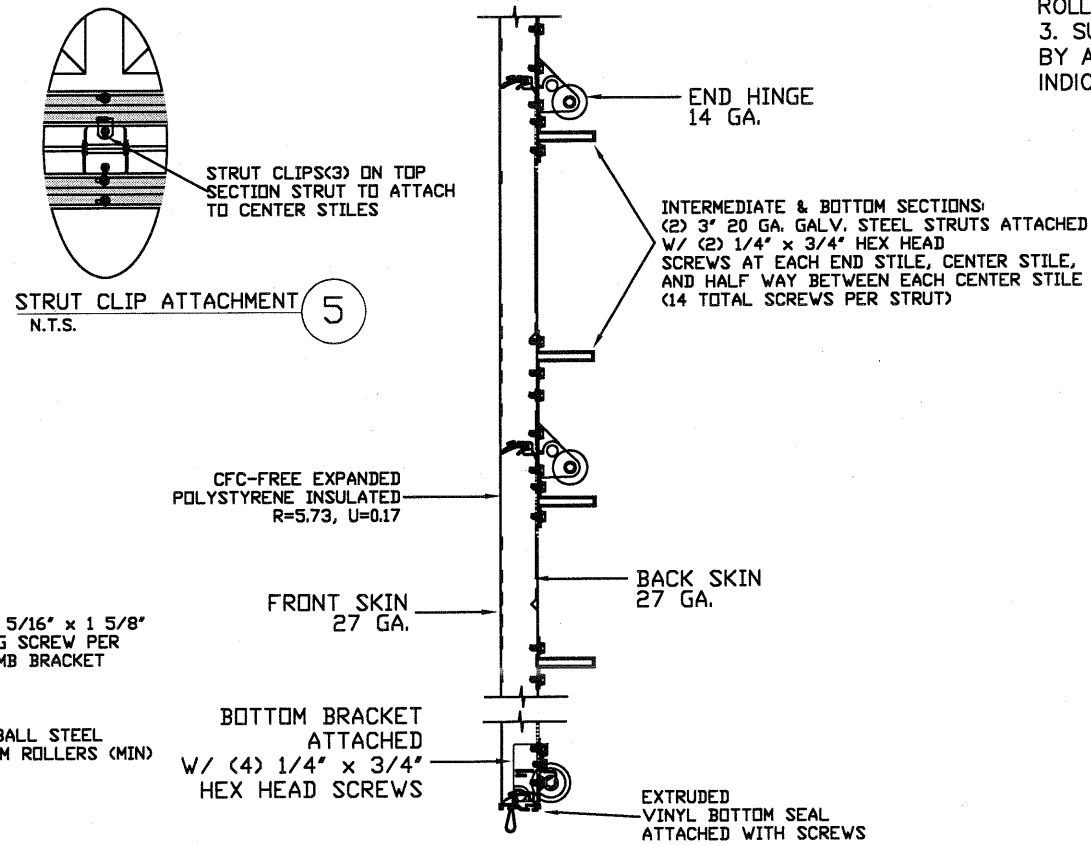
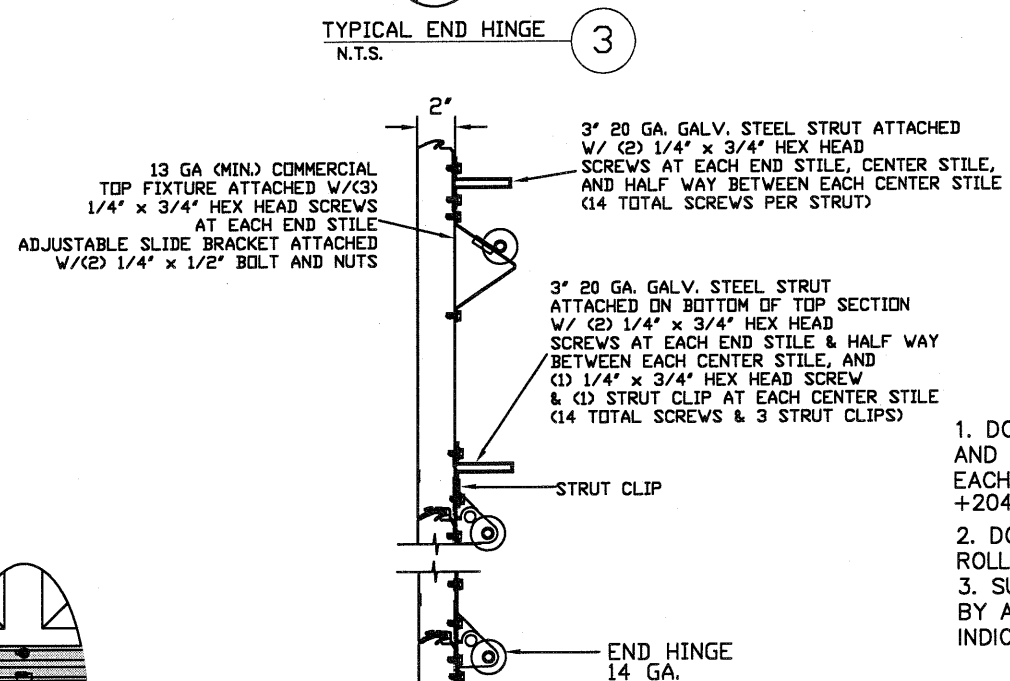
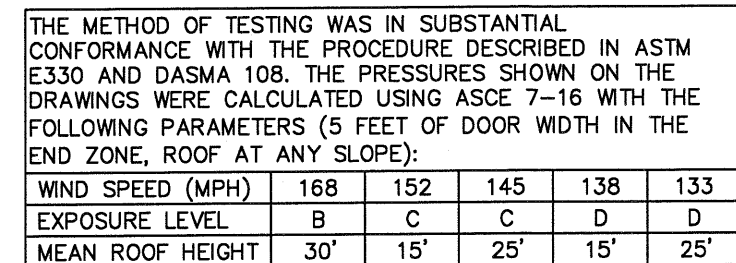


SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +204.8 LBS/FT & -232.8 LBS/FT
2. DOOR SECTIONS SHALL BE 27 GA. MIN. (.0151") ROLLED FORMED LIGHT COMMERCIAL QUALITY
3. 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

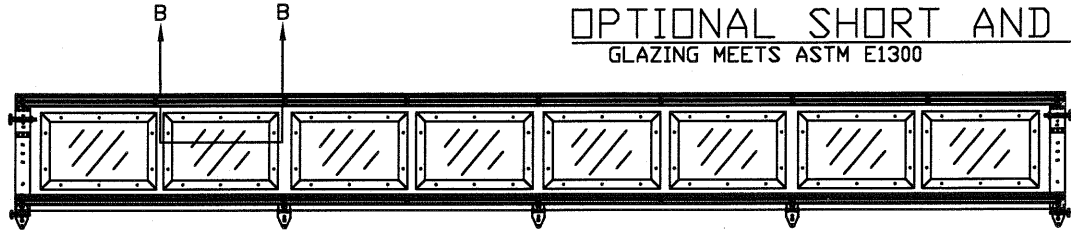
MAX SIZE 16' WIDTH 14' HEIGHT DESIGN LOADS +25.6 PSF -29.1 PSF TEST LOADS +38.4 PSF -43.65 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc.
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MODEL #1600 AMARR LINCOLN 3000 MODEL #1650 AMARR HILLCREST 3000			
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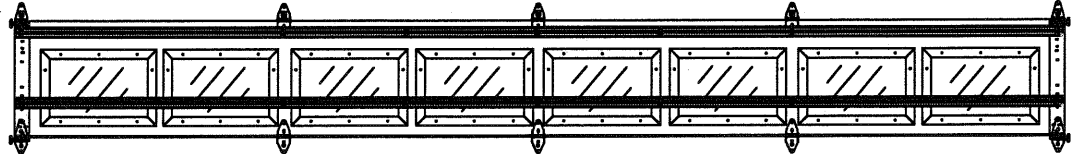
SIZE	DRAWN BY	RLR	DATE	12/19/11	DRAWING NUMBER IRC-1616-130-15
B	CHECKED BY	RLR	DATE	12/19/11	

ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105	SHEET 1 OF 3
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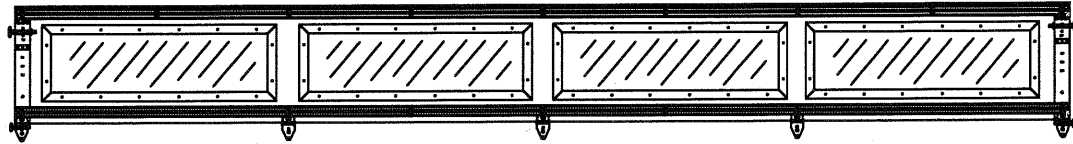
OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS
GLAZING MEETS ASTM E1300



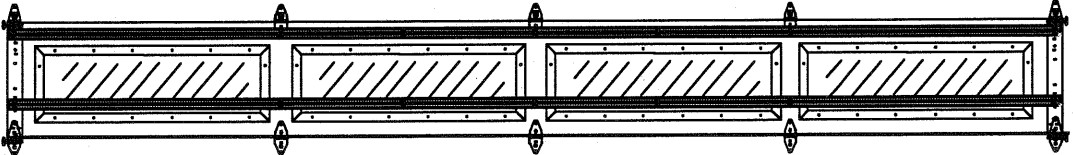
TOP SECTION



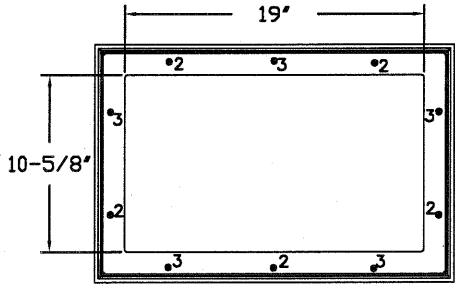
INTERMEDIATE SECTION



TOP SECTION



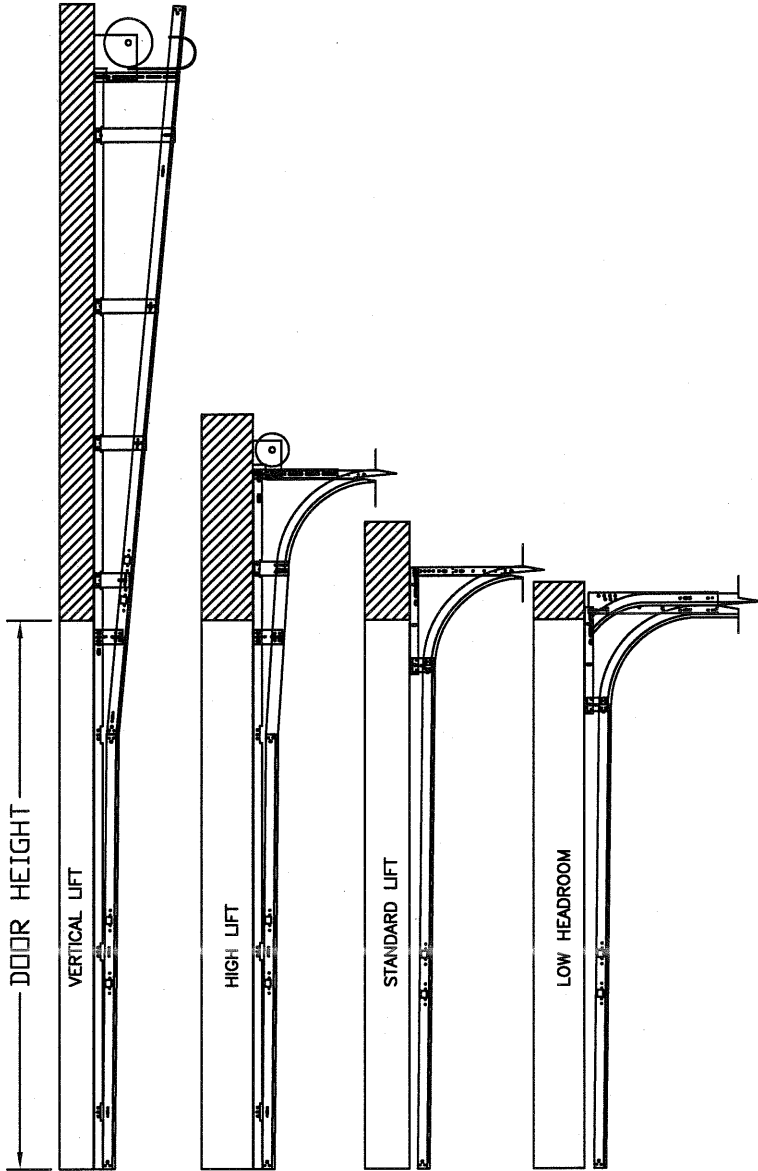
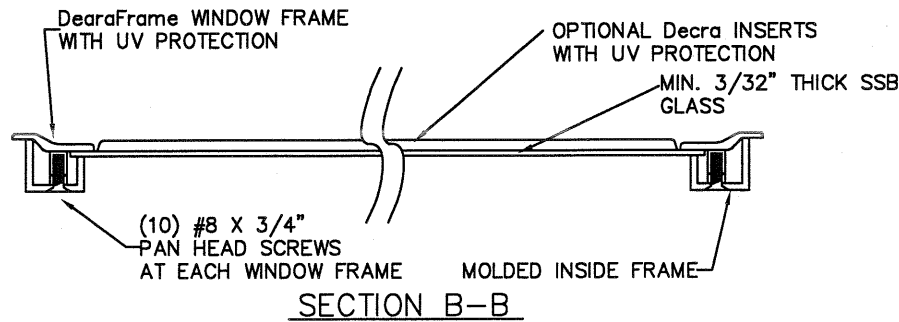
INTERMEDIATE SECTION



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 16' WIDTH 14' HEIGHT DESIGN LOADS +25.6 PSF -29.1 PSF TEST LOADS +38.4 PSF -43.65 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 #1600 AMARR LINCOLN 3000 MODEL #1650 AMARR HILLCREST 3000			
SIZE	DRAWN BY RLR	DATE 12/15/11	DRAWING NUMBER
B	CHECKED BY RLR	DATE 12/19/11	IRC-1616-130-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
6' 6"	10"	21"	39"	57"					70"
7'	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8'	10"	21"	39"	57"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9'	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10'	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11'	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12'	10"	21"	42"	63"	84"	105"	123"		136"
12' 6"	10"	21"	39"	57"	75"	93"	111"	129"	142"
13'	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14'	10"	21"	42"	63"	84"	105"	126"	147"	160"

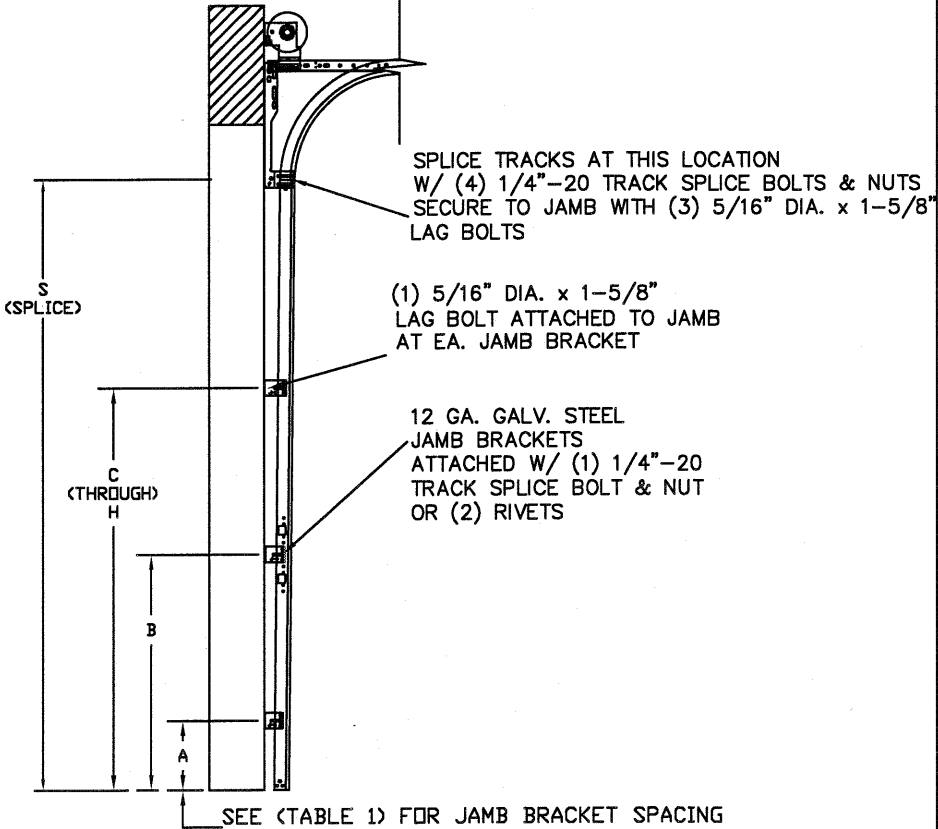
ALL TRACK ATTACHMENT SPACING +/-2" WITH SYP OR SPF NO. 2 OR BETTER ONLY

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

Section		Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
10'	0	48.41	71.59			34.2	38.8
10'	2	49.32	72.68			33.6	38.2
10'	4	50.32	73.68			33.2	37.7
10'	6	50.84	75.17			32.5	37.0
10'	8	51.84	76.17			32.1	36.5
10'	10	52.50	77.50			31.6	35.9
11'	0	53.50	78.50			31.2	35.4
11'	2	54.20	79.80			30.6	34.8
11'	4	55.20	80.80			30.3	34.4
11'	6	56.20	81.80			29.9	34.0
11'	8	57.20	82.80			29.5	33.6
11'	10	47.81	94.19			26.0	29.5
12'	0	48.81	95.19			25.7	29.2
12'	2	49.64	96.36			25.4	28.8
12'	4	50.64	97.36			25.1	28.5
12'	6	50.67	99.33			24.6	28.0
12'	8	51.67	100.33			24.4	27.7
12'	10	52.25	101.75			24.0	27.3
13'	0	53.00	103.00			23.7	27.0
13'	2	54.00	104.00			23.5	26.7
13'	4	54.40	105.60			23.2	26.3
13'	6	55.40	106.60			22.9	26.1
13'	8	56.40	107.60			22.7	25.8
13'	10	57.16	82.94	108.71		29.5	33.5
14'	0	57.76	83.94	110.11		29.1	33.1
14'	2	58.85	84.94	111.41		28.8	32.7
14'	4	59.16	85.94	112.71		28.4	32.3
14'	6	59.86	86.94	114.01		28.1	31.9
14'	8	60.56	87.94	115.31		27.8	31.6
14'	10	61.26	88.94	116.61		27.5	31.2
15'	0	61.94	89.94	117.94		27.2	30.9
15'	2	62.66	90.94	119.21		26.9	30.5
15'	4	53.60	79.20	104.80		26.6	30.2
15'	6	46.62	93.00	139.38		26.3	29.9
15'	8	47.62	94.00	140.38		26.0	29.6
15'	10	48.62	95.00	141.38		25.7	29.3
16'	0	49.62	96.00	142.38		25.6	29.1



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

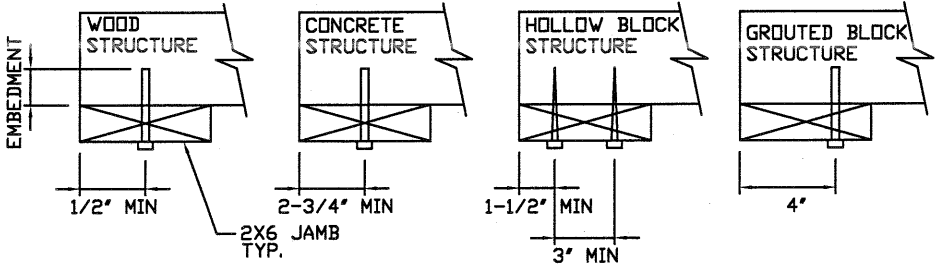
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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



REVDESCRIPTION OF REVISIONSDATEBY

MAX SIZE
16' WIDTH
14' HEIGHT

DESIGN LOADS
+25.6 PSF
-29.1 PSF

TEST LOADS
+38.4 PSF
-43.65 PSF

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

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LICENSE
No. 48579
STATE OF
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Amarr

MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000

SIZE
B

DRAWN BY
RLR

CHECKED BY
RLR

DATE
12/15/11

DATE
12/19/11

DRAWING NUMBER
IRC-1616-130-15

SHEET 3 OF 3