

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108, ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE I=1.0):

WIND SPEED (MPH)	130	118	112	107	103
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

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

DESIGN LOADS
+25.6 PSF
-29.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.4 PSF
-43.6 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #004063)

STATE OF TEXAS
THOMAS L. SHELMERDINE
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5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
ENTREMATIC

MODEL #1200 AMARR HERITAGE 3000
MODEL #1200 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

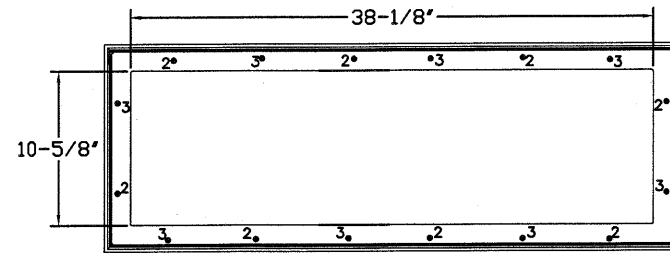
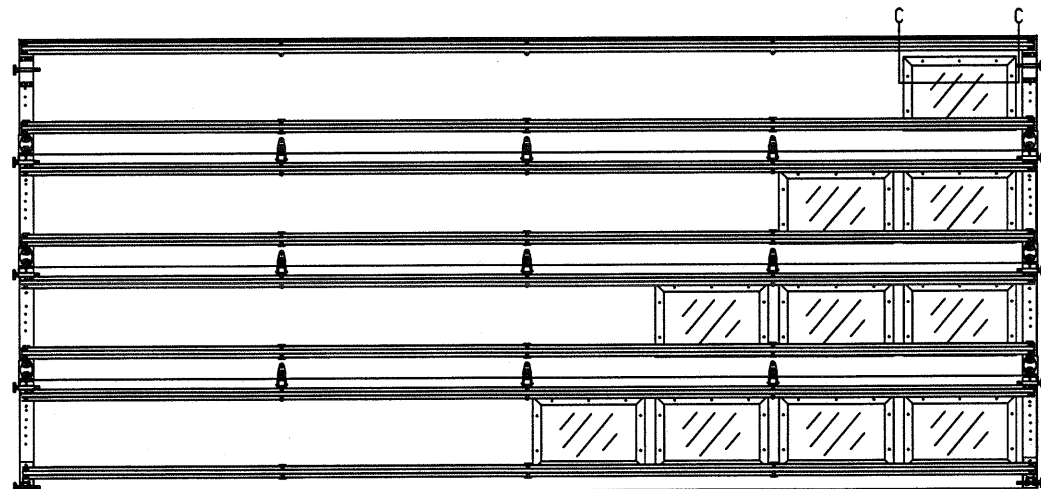
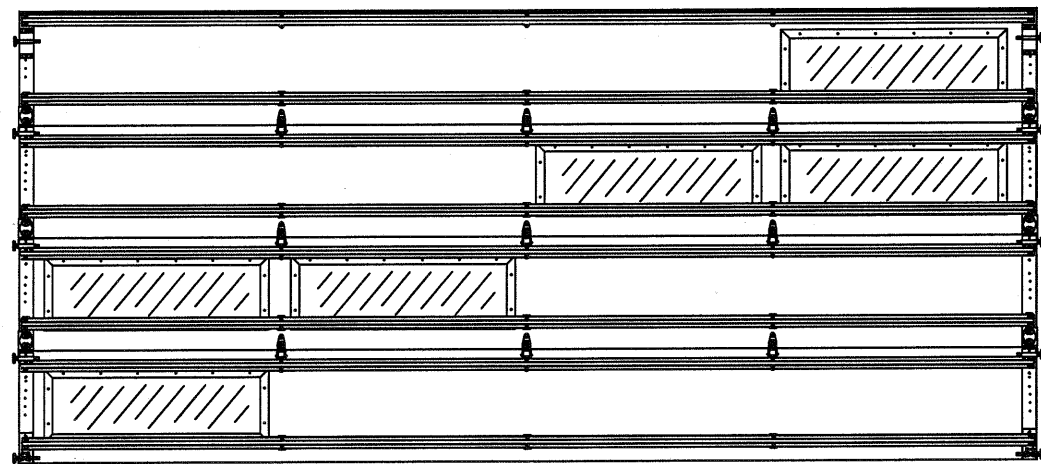
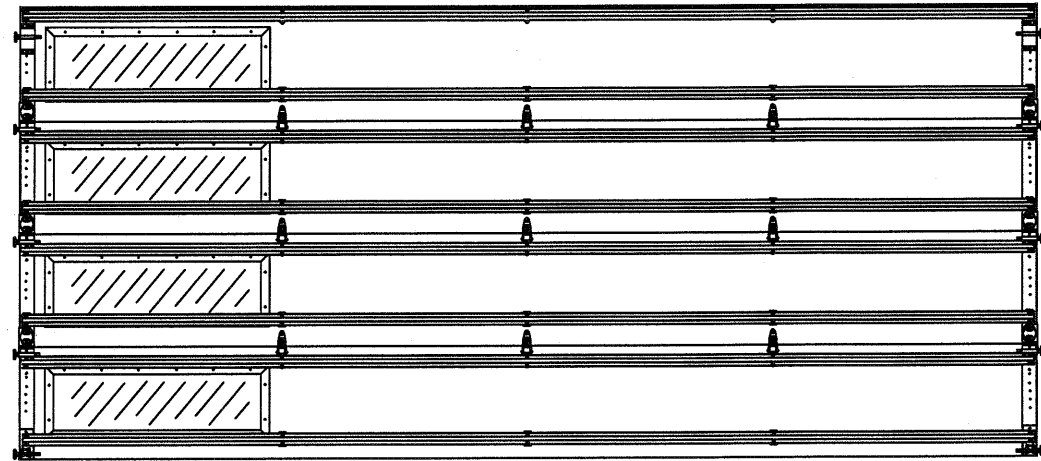
SIZE	DRAWN BY	RLR	DATE	6/5/18	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	6/5/18	IRC-1216-130-15-M

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

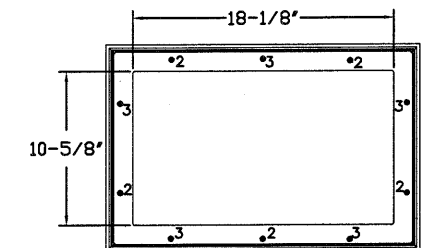
SHEET 1 OF 4

EXAMPLES OF OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

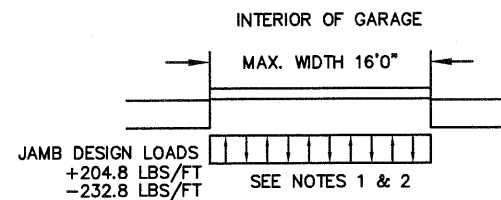
GLAZING AVAILABLE IN ANY COMBINATION
GLAZING MEETS ASTM E1300-04



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.

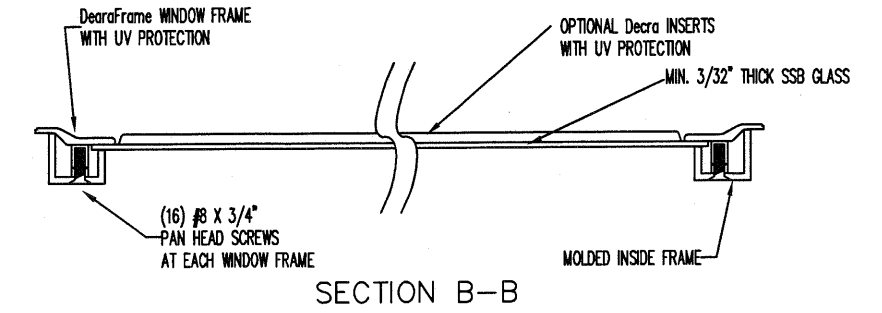


SPECIFICATIONS AND NOTES

1. 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.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +204.8 LBS/FT & -232.8 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

GLAZING OPTION CROSS SECTION

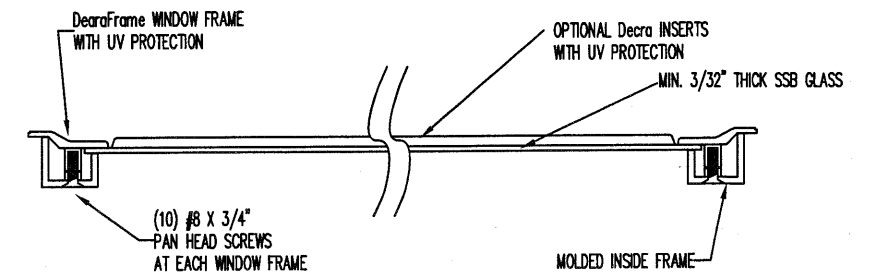
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SECTION B-B

GLAZING OPTION CROSS SECTION

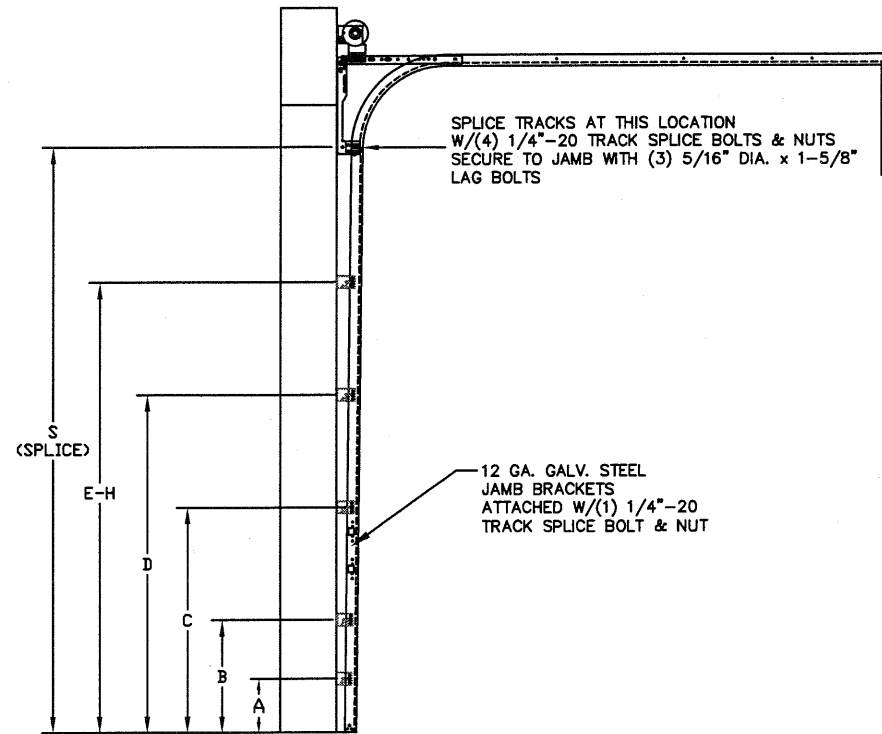
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



SECTION C-C

REV	DESCRIPTION OF REVISIONS	DATE	BY
<p>MAX SIZE 16' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)</p> <p>DESIGN LOADS +25.6 PSF -29.1 PSF</p> <p>TEST LOADS (1.5 x DESIGN LOADS) +38.4 PSF -43.6 PSF</p>		<p>Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)</p> <p>TX</p>	
<p>MODEL #1200 AMARR HERITAGE 3000 MODEL #1200 AMARR OAK SUMMIT 3000 SHORT, LONG, FLUSH & OAK SUMMIT PANELS</p>			
SIZE	DRAWN BY RLR	DATE 6/5/18	DRAWING NUMBER
B	CHECKED BY RLR	DATE 6/5/18	RC-1216-130-15-M
<p>ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105</p>			<p>SHEET 2 OF 4</p>

5921-G W. Friendly Ave., Greensboro, NC 27410



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS (SEE TABLE 1)
N.T.S.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
6' 6"	3.5"	21"	42"	63"					70"
7'	3.5"	21"	42"	63"					76"
7' 6"	3.5"	21"	42"	63"					82"
8'	3.5"	21"	42"	63"					88"
8' 6"	3.5"	21"	42"	63"	84"				94"
9'	3.5"	21"	42"	63"	84"				100"
9' 6"	3.5"	21"	42"	63"	84"				106"
10'	3.5"	21"	42"	63"	84"	105"			112"
10' 6"	3.5"	21"	42"	63"	84"	105"			118"
11'	3.5"	21"	42"	63"	84"	105"			124"
11' 6"	3.5"	21"	42"	63"	84"	105"			130"
12'	3.5"	21"	42"	63"	84"	105"	126"		136"
12' 6"	3.5"	21"	42"	63"	84"	105"	126"		142"
13'	3.5"	21"	42"	63"	84"	105"	126"		148"
13' 6"	3.5"	21"	42"	63"	84"	105"	126"	147"	154"
14'	3.5"	21"	42"	63"	84"	105"	126"	147"	160"

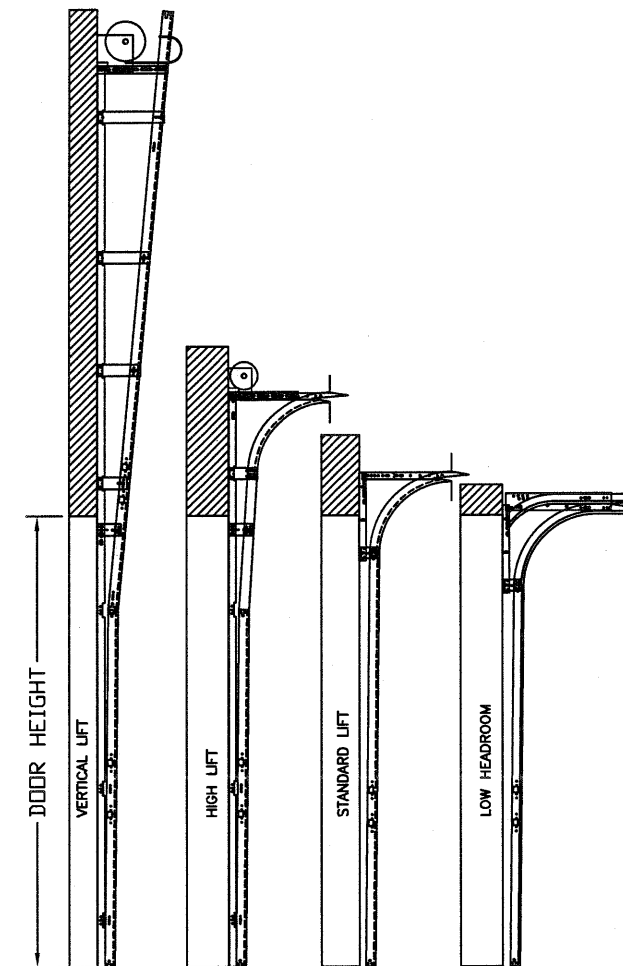
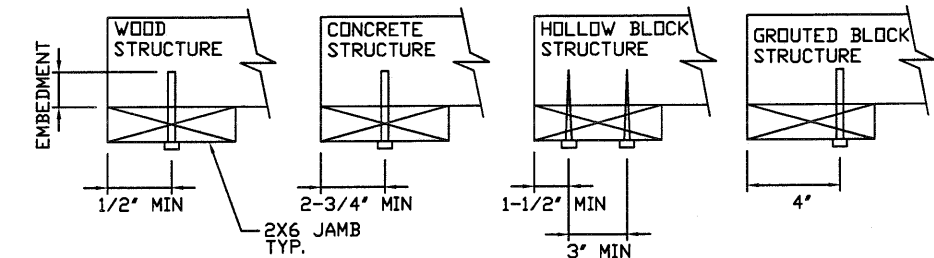
ALL TRACK ATTACHMENT SPACING +/- 1.5' ALLOWED
WITH SYP OR SPF NO. 2 OR BETTER ONLY

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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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TEST LOADS (1.5 x DESIGN LOADS) +38.4 PSF -43.6 PSF		TX	
MODEL #1200 AMARR HERITAGE 3000 MODEL #1200 AMARR OAK SUMMIT 3000 SHORT, LONG, FLUSH & OAK SUMMIT PANELS			
SIZE	DRAWN BY RLR	DATE 6/5/18	DRAWING NUMBER
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ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4

5921-G.W. Friendly Ave., Greensboro, NC 27410

TABLE 2

Section Width (ft)	Panel Type	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	Short	48.41	71.59			34.2	38.8
12' 0	Short	48.81	95.19			25.7	29.2
12' 0	Long	49.63	94.38			25.9	29.5
12' 0	Oak Summit	48.31	95.69			25.6	29.0
13' 10	Short	57.16	83.00	108.71		29.5	33.5
14' 0	Short	57.76	84.00	110.11		29.1	33.1
14' 0	Long	58.63	84.00	109.38		29.1	33.1
14' 2	Short	58.85	85.00	111.41		28.8	32.7
14' 2	Long	59.17	85.00	110.83		28.8	32.7
14' 4	Short	59.16	86.00	112.71		28.4	32.3
14' 4	Long	60.17	86.00	111.83		28.4	32.3
14' 6	Short	59.86	87.00	114.01		28.1	31.9
14' 6	Long	61.17	87.00	112.83		28.1	31.9
14' 8	Short	60.56	88.00	115.31		27.8	31.6
14' 8	Long	44.81	88.00	131.19		27.8	31.6
14' 10	Short	61.26	89.00	116.61		27.5	31.2
14' 10	Long	45.60	89.00	132.40		27.5	31.2
15' 0	Short	61.94	90.00	117.94		27.2	30.9
15' 0	Long	46.60	90.00	133.40		27.2	30.9
15' 2	Short	62.66	91.00	119.21		26.9	30.5
15' 2	Long	47.60	91.00	134.40		26.9	30.5
15' 4	Short	53.60	79.20	104.80	130.40	26.6	30.2
15' 4	Long	47.25	92.00	136.75		26.6	30.2
15' 6	Short	46.62	93.00	139.38		26.3	29.9
15' 6	Long	47.60	93.00	138.40		26.3	29.9
15' 6	Oak Summit	47.42	93.00	138.58		26.3	29.9
15' 8	Short	47.62	94.00	140.38		26.0	29.6
15' 8	Long	48.60	94.00	139.40		26.0	29.6
15' 8	Oak Summit	48.02	94.00	139.98		26.0	29.6
15' 10	Short	48.62	95.00	141.38		25.7	29.3
15' 10	Long	49.17	95.00	140.83		25.7	29.3
15' 10	Oak Summit	48.62	95.00	141.38		25.7	29.3
16' 0	Short	49.62	96.00	142.38		25.6	29.1
16' 0	Long	50.60	96.00	141.40		25.6	29.1
16' 0	Oak Summit	48.42	96.00	143.58		25.6	29.1

CONTACT ENGINEERING REGARDING SIZES NOT LISTED

TABLE 3

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"				

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

SHEET 4 OF 4