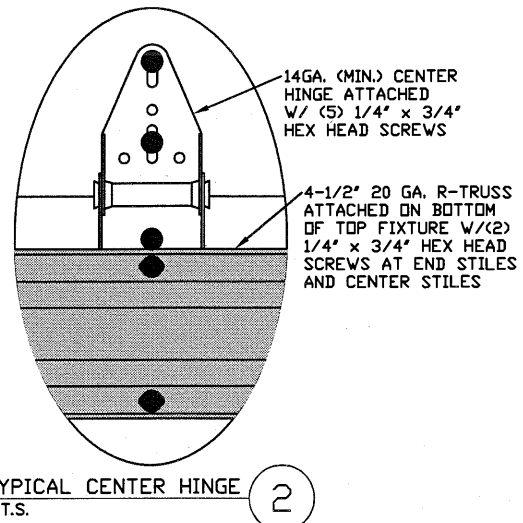
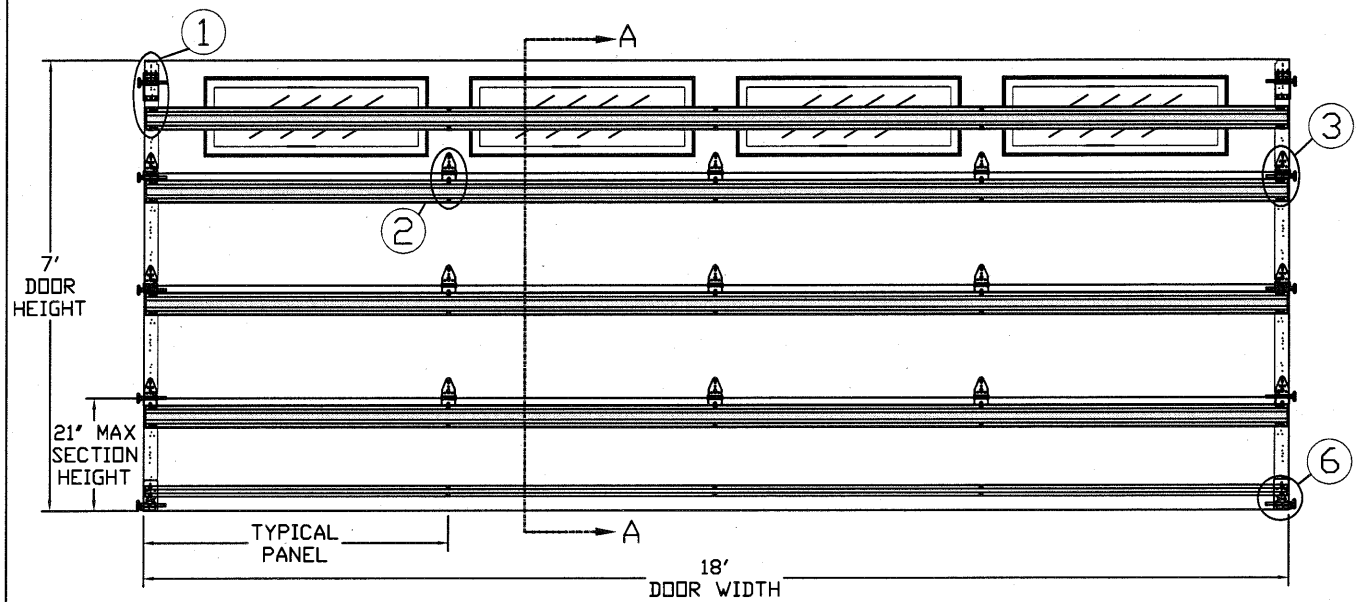


TYPICAL TOP FIXTURES
N.T.S.

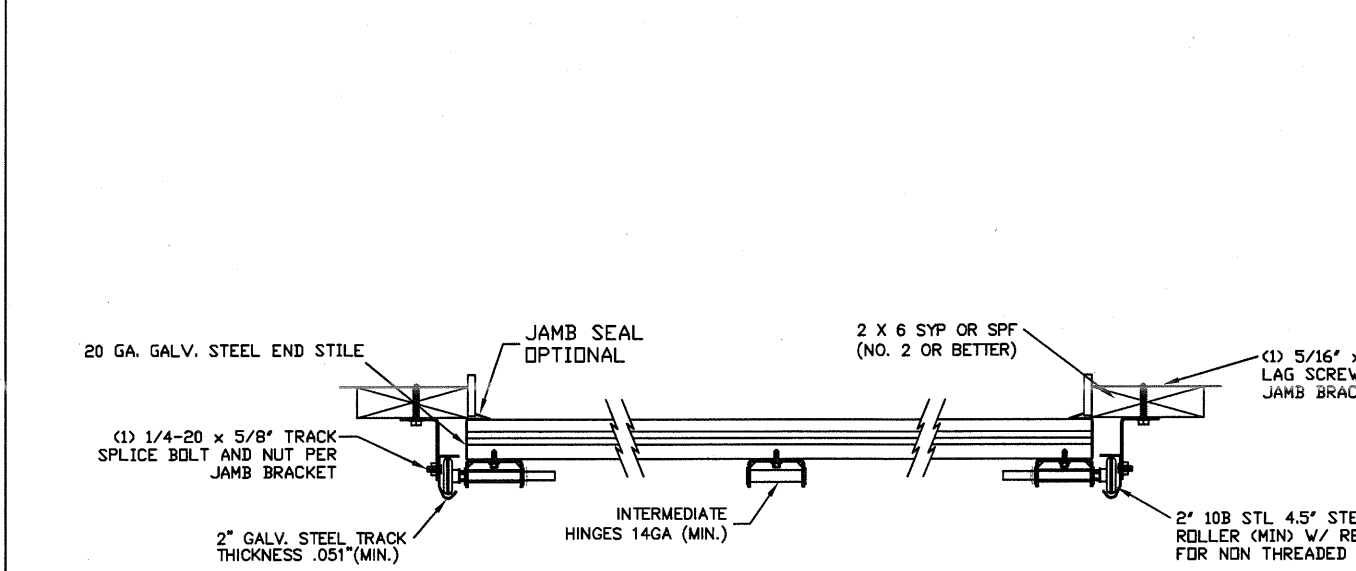


TYPICAL CENTER HINGE
N.T.S.

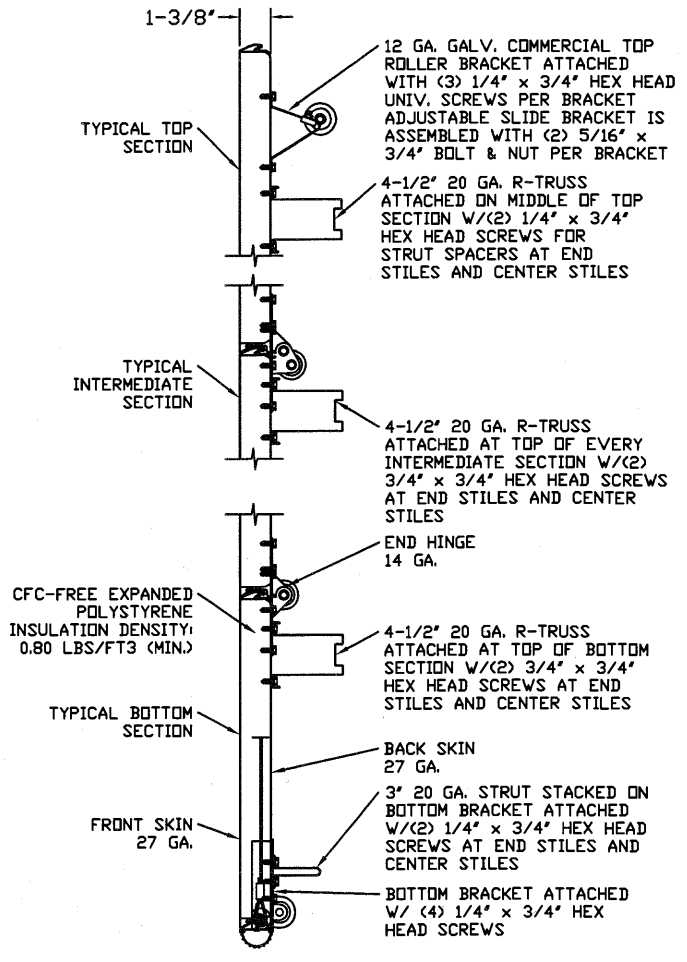


TYPICAL END HINGE
N.T.S.

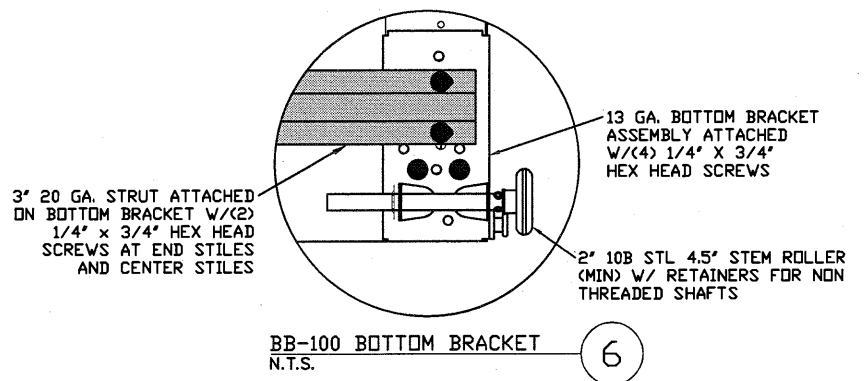
INSIDE ELEVATION
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.



SECTION A-A (SIDE VIEW)
N.T.S.



BB-100 BOTTOM BRACKET
N.T.S.

NOTE: FOR STRUT SCHEDULE SEE TABLE 4 ON PAGE 3

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

WIND SPEED (MPH)	120	109	104	99	95
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14'

DESIGN LOADS
+21.6 PSF
-24.5 PSF

TEST LOADS
+32.4 PSF
-36.8 PSF

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Amarr
ENTREMATIC

MODEL #3100 AMARR LINCOLN 3138
MODEL #3150 AMARR HILLCREST 3138
MODEL #1600 AMARR LINCOLN 3000
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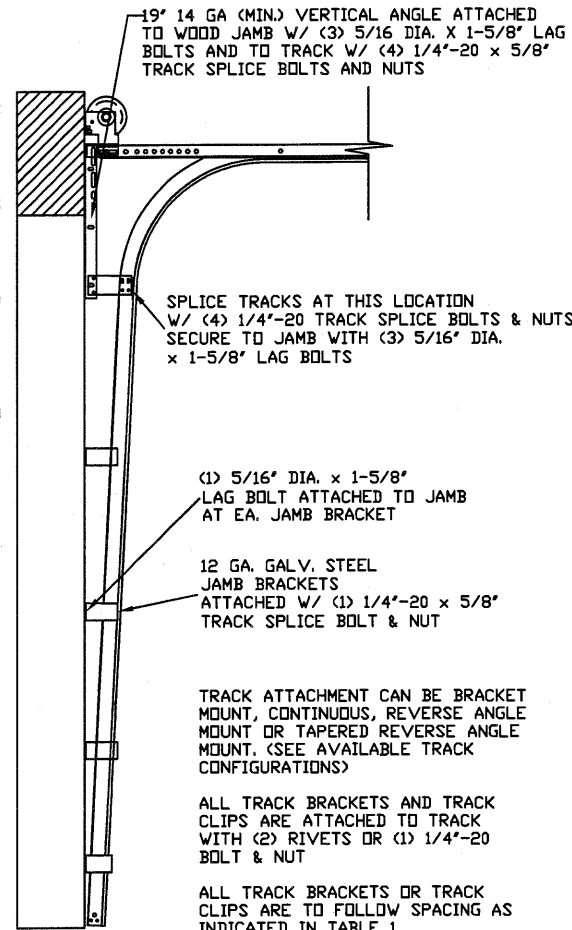
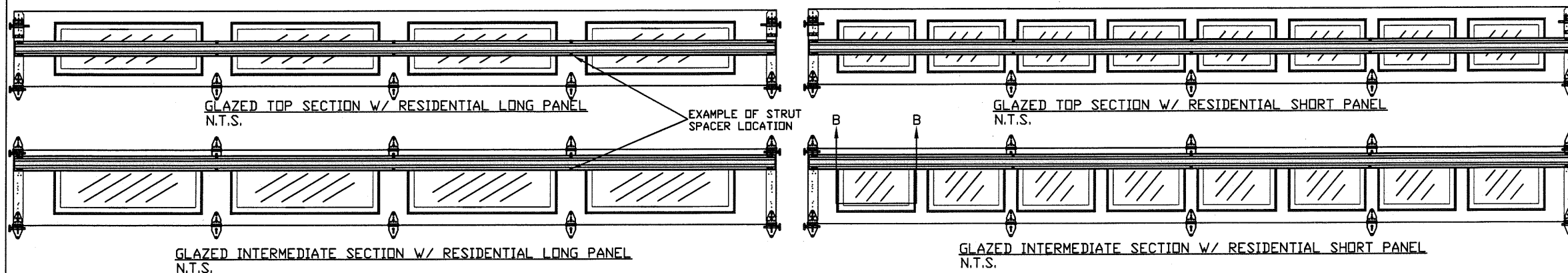
SIZE	DRAWN BY DRD	DATE 2/8/19	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/11/19	IRC-3118-120-24

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, NC 27105

SHEET 1 OF 3

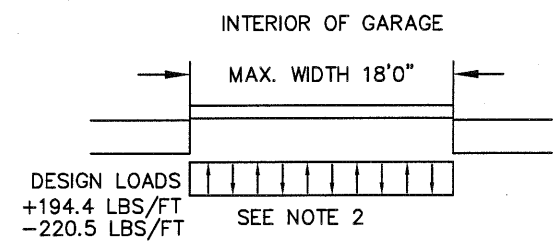
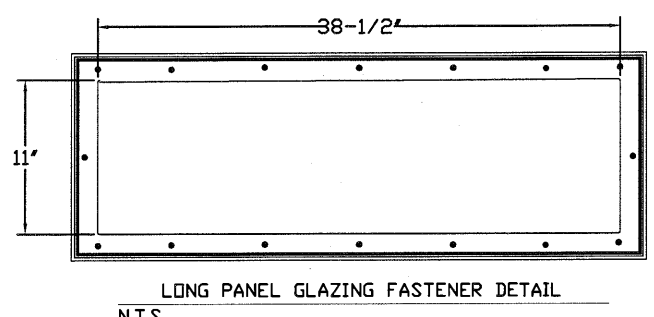
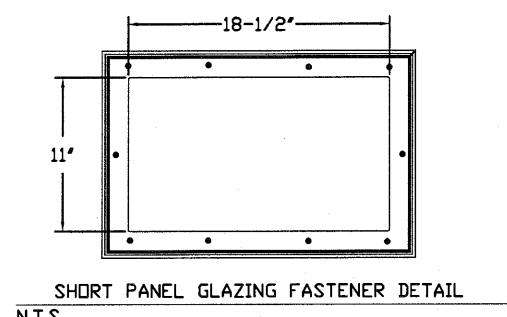
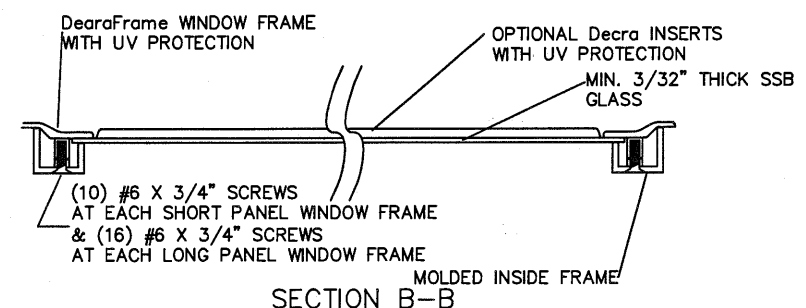
OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

STRUT SPACERS MAY BE USED ON GLAZED SECTIONS



GLAZING OPTION CROSS SECTION

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

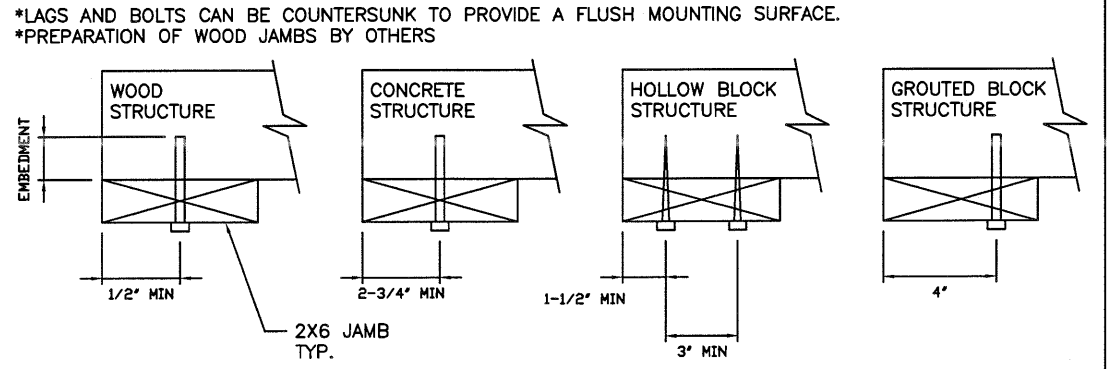


WOOD JAMB ATTACHMENT TO STRUCTURE

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: +194.4 LBS/FT & -220.5 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27GA MIN. INTERIOR AND 27GA 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.
6. PANEL STAMP DOES NOT AFFECT WINDLOAD CAPABILITIES.

- 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 22" 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 GROUDED 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)



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14'

DESIGN LOADS
+21.6 PSF
-24.5 PSF

TEST LOADS
+32.4 PSF
-36.8 PSF

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MODEL #1650 AMARR HILLCREST 3000

SIZE	DRAWN BY DRD	DATE 2/8/19	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/11/18	IRC-3118-120-24

ENTREMATICA
165 CARRIAGE COURT WINSTON-SALEM, NC 27105

SHEET 2 OF 3

TABLE 1

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

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

TABLE 2

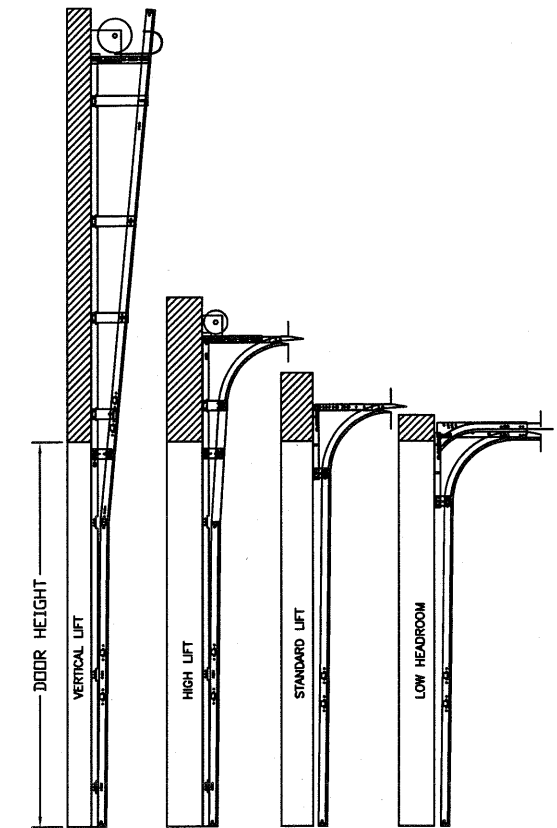
DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
6' 0"	18"	18"	18"	18"				
6' 6"	21"	18"	18"	21"				
7' 0"	21"	21"	21"	21"				
7' 6"	18"	18"	18"	18"	18"			
8' 0"	21"	18"	18"	18"	21"			
8' 6"	21"	21"	21"	18"	21"			
9' 0"	18"	18"	18"	18"	18"	18"		
9' 6"	21"	18"	18"	18"	18"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
10' 6"	21"	21"	21"	21"	21"	21"		
11' 0"	21"	18"	18"	18"	18"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
12' 0"	21"	21"	21"	21"	21"	18"	21"	
12' 6"	21"	18"	18"	18"	18"	18"	21"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
13' 6"	21"	21"	21"	21"	18"	18"	21"	21"
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"

TABLE 4

SECTION	STRUT SIZE
TOP	4.5"
7TH	4.5"
6TH	4.5"
5TH	4.5"
4TH	4.5"
3RD	4.5"
2ND	4.5"
BOTTOM	4.5"
	3"

TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 2"	Short	50.27	97.00	143.73	23.9	27.1
16' 2"	Long	51.17	97.00	142.83	23.9	27.1
16' 2"	Hillcrest	48.75	97.00	145.25	23.9	27.1
16' 4"	Short	51.27	98.00	144.73	23.7	26.9
16' 4"	Long	52.17	98.00	143.83	23.7	26.9
16' 4"	Hillcrest	49.08	98.00	146.92	23.7	26.9
16' 6"	Short	52.27	99.00	145.73	23.4	26.6
16' 6"	Long	51.34	99.00	146.66	23.4	26.6
16' 6"	Hillcrest	49.42	99.00	148.59	23.4	26.6
16' 8"	Short	51.34	100.00	148.66	23.2	26.3
16' 8"	Long	52.20	100.00	147.80	23.2	26.3
16' 8"	Hillcrest	49.92	100.00	150.09	23.2	26.3
16' 10"	Short	51.50	101.00	150.50	23.0	26.1
16' 10"	Long	53.20	101.00	148.80	23.0	26.1
16' 10"	Hillcrest	50.15	101.00	151.59	23.0	26.1
17' 0"	Short	53.34	102.00	150.66	22.8	25.8
17' 0"	Long	54.20	102.00	149.80	22.8	25.8
17' 0"	Hillcrest	50.92	102.00	153.09	22.8	25.8
17' 2"	Short	53.00	103.00	153.00	22.5	25.6
17' 2"	Long	55.20	103.00	150.80	22.5	25.6
17' 2"	Hillcrest	51.42	103.00	154.59	22.5	25.6
17' 4"	Short	54.00	104.00	154.00	22.3	25.3
17' 4"	Long	56.20	104.00	151.80	22.3	25.3
17' 4"	Hillcrest	51.92	104.00	156.09	22.3	25.3
17' 6"	Short	55.00	105.00	155.00	22.1	25.1
17' 6"	Long	57.20	105.00	152.80	22.1	25.1
17' 6"	Hillcrest	52.42	105.00	157.59	22.1	25.1
17' 8"	Short	54.80	106.00	157.20	21.9	24.8
17' 8"	Long	55.80	106.00	156.20	21.9	24.8
17' 8"	Hillcrest	52.92	106.00	159.09	21.9	24.8
17' 10"	Short	55.80	107.00	158.20	21.7	24.6
17' 10"	Long	56.25	107.00	157.75	21.7	24.6
17' 10"	Hillcrest	53.42	107.00	160.59	21.7	24.6
18' 0"	Short	57.25	108.00	158.75	21.6	24.5
18' 0"	Long	57.80	108.00	158.20	21.6	24.5
18' 0"	Hillcrest	53.92	108.00	162.09	21.6	24.5



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 18' x 14'		
	DESIGN LOADS +21.6 PSF -24.5 PSF		
	TEST LOADS +32.4 PSF -36.8 PSF		
	TX		
	Amarr		
	ENTREMATIc		
	MODEL #3100 AMARR LINCOLN 3138 MODEL #3150 AMARR HILLCREST 3138 MODEL #1600 AMARR LINCOLN 3000 MODEL #1650 AMARR HILLCREST 3000		
SIZE	DRAWN BY DRD	DATE 2/8/19	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/11/19	IRC-3118-120-24
ENTREMATIc 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			SHEET 3 OF 3