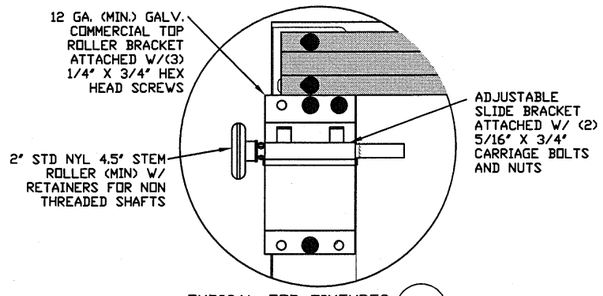
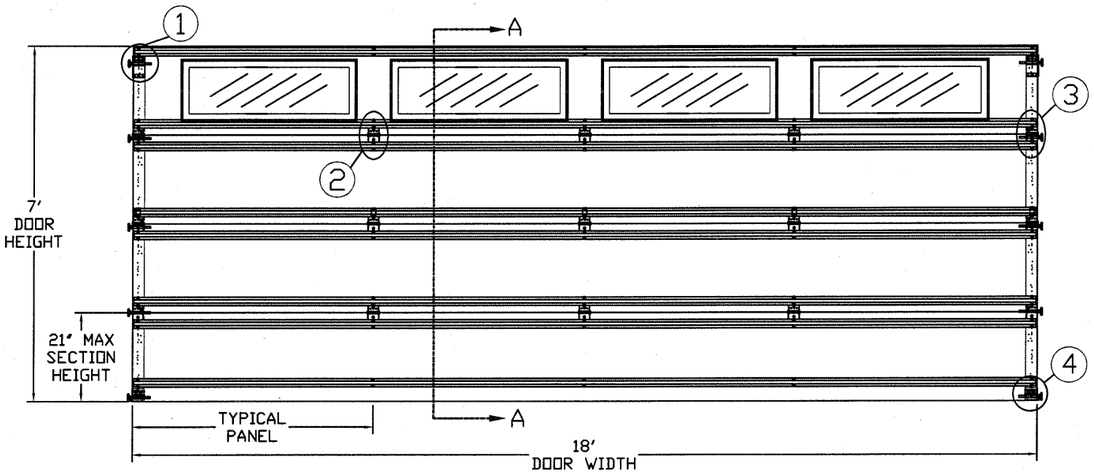
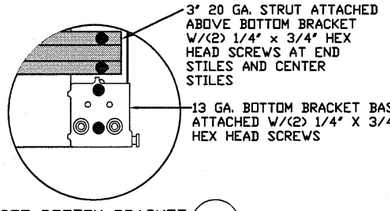


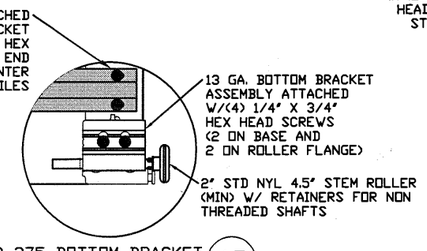
TYPICAL TOP FIXTURES (1)
N.T.S.



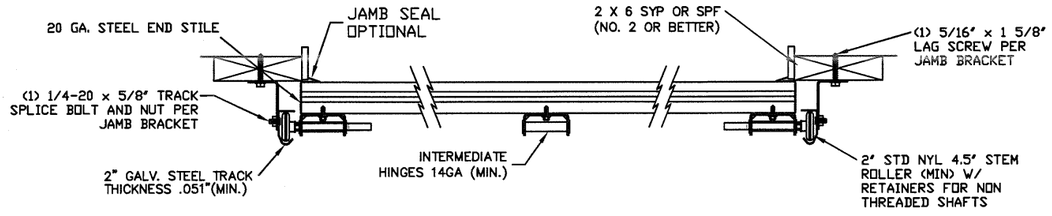
INSIDE ELEVATION
N.T.S.



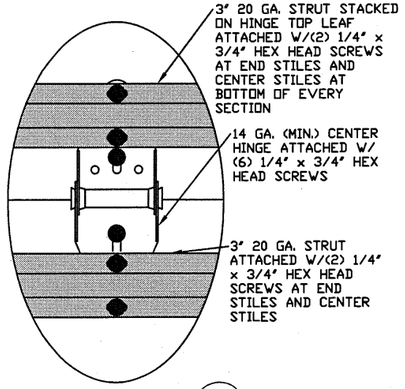
TRBB-375 BOTTOM BRACKET (4A)
N.T.S.



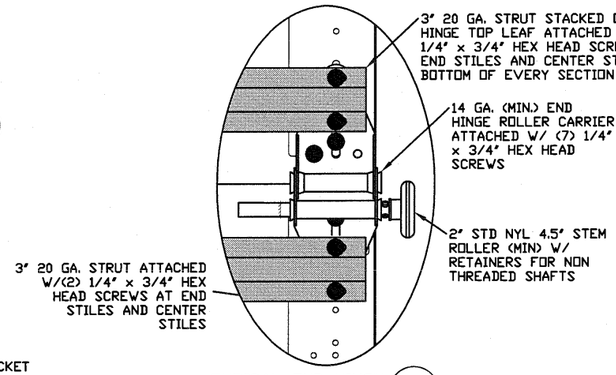
TRBB-375 BOTTOM BRACKET (4B)
N.T.S.



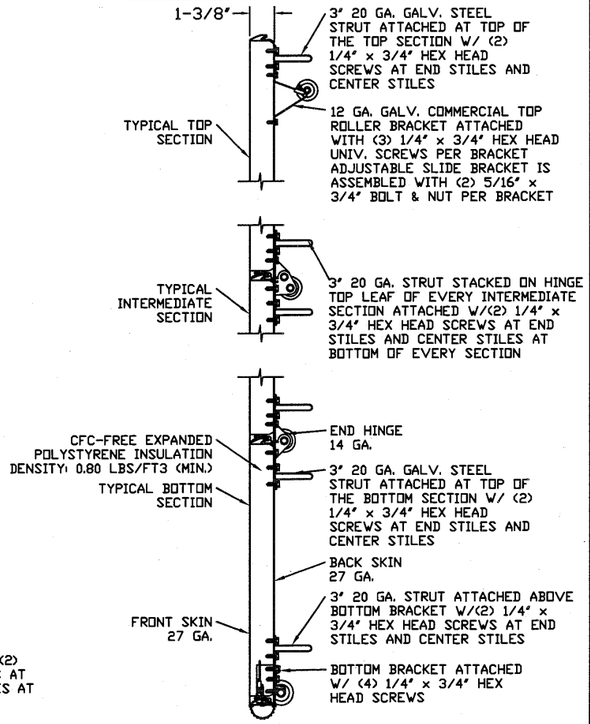
TRACK MOUNTING DETAIL
N.T.S.



TYPICAL CENTER HINGE (2)
N.T.S.



TYPICAL END HINGE (3)
N.T.S.



SECTION A-A (SIDE VIEW)
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)	110	100	95	91	87
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
+18.2 PSF
-20.6 PSF

TEST LOADS
+27.3 PSF
-30.9 PSF

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MODEL #3100 AMARR LINCOLN 3138
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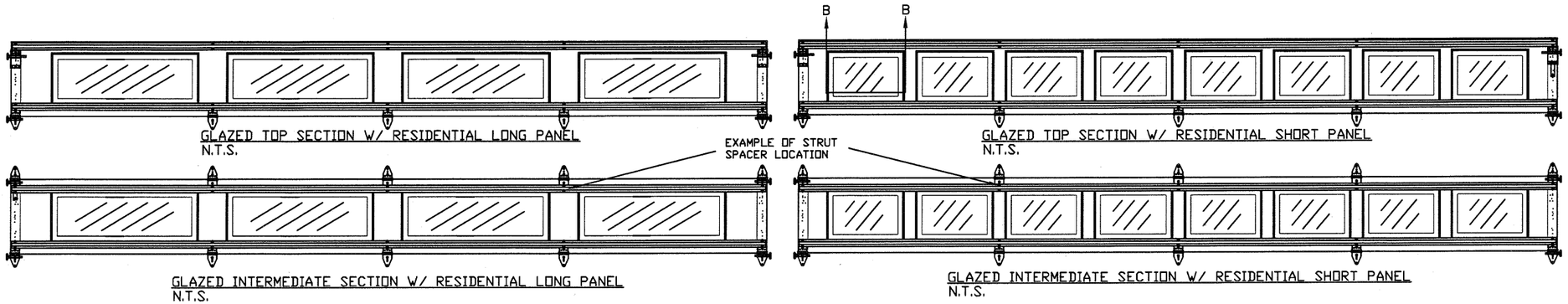
MODEL #1650 AMARR HILLCREST 3000

SIZE	DRAWN BY	DRD	DATE	1/23/19	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	03/12/19	IRC-3118-110-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 3

OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

STRUT SPACERS MAY BE USED ON GLAZED SECTIONS



GLAZED TOP SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.

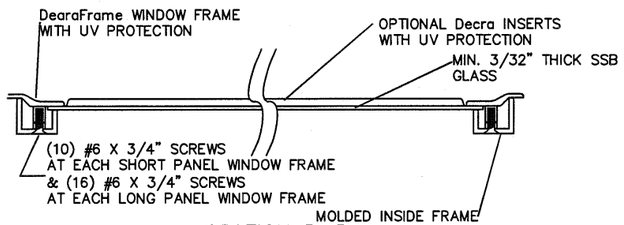
GLAZED TOP SECTION W/ RESIDENTIAL SHORT PANEL
N.T.S.

GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.

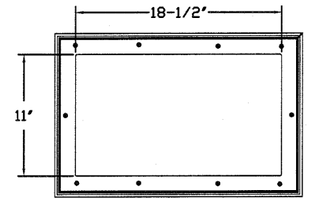
GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL SHORT PANEL
N.T.S.

GLAZING OPTION CROSS SECTION

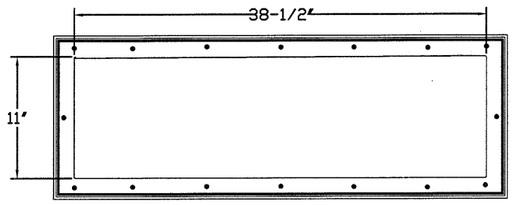
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



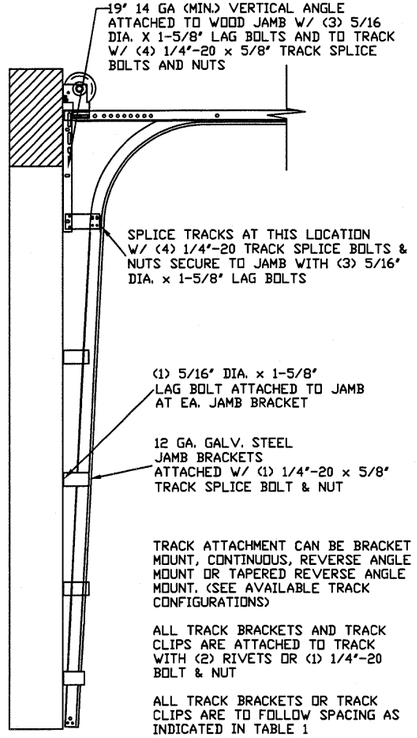
SECTION B–B



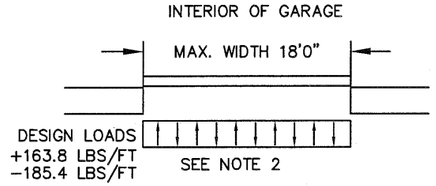
SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS
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: +163.8 LBS/FT & –185.4 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.

WOOD JAMB ATTACHMENT TO STRUCTURE

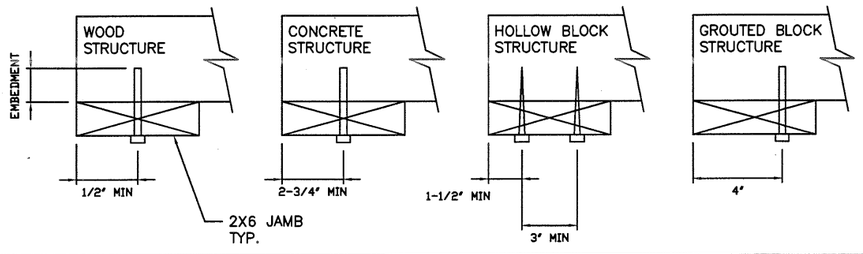
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'
DESIGN LOADS
+18.2 PSF
–20.6 PSF
TEST LOADS
+27.3 PSF
–30.9 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
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SIZE	DRAWN BY DRD	DATE 1/23/19	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/12/18	IRC–3118–110–15
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	S
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

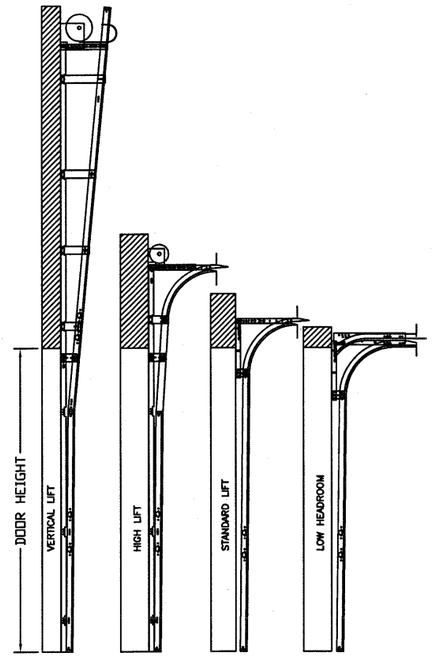
DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
6' 0"	18"	18"	18"	18"				
6' 6"	21"	18"	18"	21"				
7' 0"	21"	21"	21"	21"				
7' 6"	18"	18"	18"	18"	18"			
8' 0"	21"	18"	18"	18"	21"			
8' 6"	21"	21"	21"	18"	21"			
9' 0"	18"	18"	18"	18"	18"	18"		
9' 6"	21"	18"	18"	18"	18"	21"		
10' 0"	21"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

TABLE 4

SECTION	STRUT SIZE
8TH	3"
	3"
7TH	3"
	3"
6TH	3"
	3"
5TH	3"
	3"
4TH	3"
	3"
3RD	3"
	3"
2ND	3"
	3"
BOTTOM	3"
	3"

TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge) 1st (in)	2nd (in)	3rd (in)	Max Design Loads Allowed Positive (PSF)	Negitive (PSF)
16' 2	Short	50.27	97.00	143.73	20.2	22.8
16' 2	Long	51.17	97.00	142.83	20.2	22.8
16' 2	Hillcrest	48.75	97.00	145.25	20.2	22.8
16' 4	Short	51.27	98.00	144.73	20.0	22.6
16' 4	Long	52.17	98.00	143.83	20.0	22.6
16' 4	Hillcrest	49.08	98.00	146.92	20.0	22.6
16' 6	Short	52.27	99.00	145.73	19.8	22.4
16' 6	Long	51.34	99.00	146.66	19.8	22.4
16' 6	Hillcrest	49.42	99.00	148.59	19.8	22.4
16' 8	Short	51.34	100.00	148.66	19.6	22.1
16' 8	Long	52.20	100.00	147.80	19.6	22.1
16' 8	Hillcrest	49.92	100.00	150.09	19.6	22.1
16' 10	Short	51.50	101.00	150.50	19.4	21.9
16' 10	Long	53.20	101.00	148.80	19.4	21.9
16' 10	Hillcrest	50.15	101.00	151.59	19.4	21.9
17' 0	Short	53.34	102.00	150.66	19.2	21.7
17' 0	Long	54.20	102.00	149.80	19.2	21.7
17' 0	Hillcrest	50.92	102.00	153.09	19.2	21.7
17' 2	Short	53.00	103.00	153.00	19.0	21.5
17' 2	Long	55.20	103.00	150.80	19.0	21.5
17' 2	Hillcrest	51.42	103.00	154.59	19.0	21.5
17' 4	Short	54.00	104.00	154.00	18.8	21.3
17' 4	Long	56.20	104.00	151.80	18.8	21.3
17' 4	Hillcrest	51.92	104.00	156.09	18.8	21.3
17' 6	Short	55.00	105.00	155.00	18.6	21.1
17' 6	Long	57.20	105.00	152.80	18.6	21.1
17' 6	Hillcrest	52.42	105.00	157.59	18.6	21.1
17' 8	Short	54.80	106.00	157.20	18.5	20.9
17' 8	Long	55.80	106.00	156.20	18.5	20.9
17' 8	Hillcrest	52.92	106.00	159.09	18.5	20.9
17' 10	Short	55.80	107.00	158.20	18.3	20.7
17' 10	Long	56.25	107.00	157.75	18.3	20.7
17' 10	Hillcrest	53.42	107.00	160.59	18.3	20.7
18' 0	Short	57.25	108.00	158.75	18.2	20.6
18' 0	Long	57.80	108.00	158.20	18.2	20.6
18' 0	Hillcrest	53.92	108.00	162.09	18.2	20.6



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
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–30.9 PSF

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	CHECKED BY DLJ	DATE 03/12/19	

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

SHEET 3 OF 3