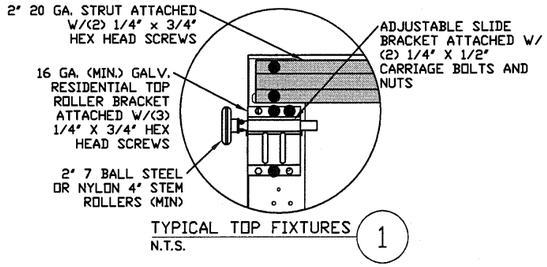
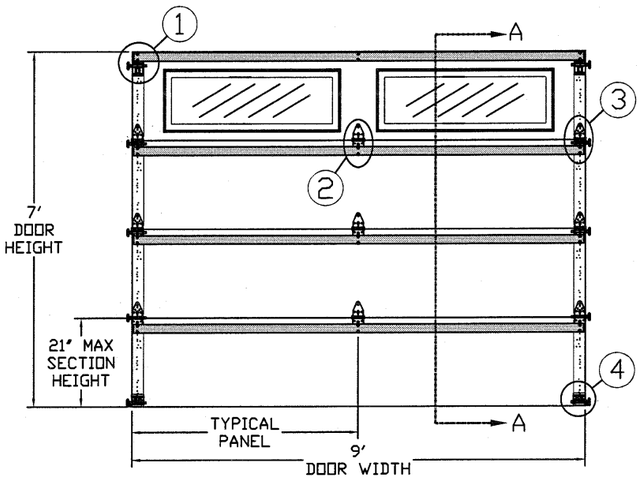
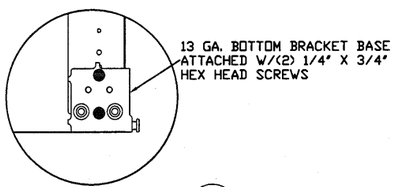


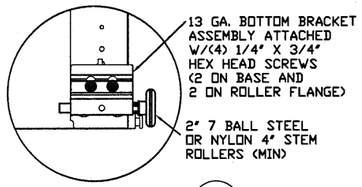
TYPICAL TOP FIXTURES 1
N.T.S.



INSIDE ELEVATION
N.T.S.



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



TRBB-375 BOTTOM BRACKET 4B
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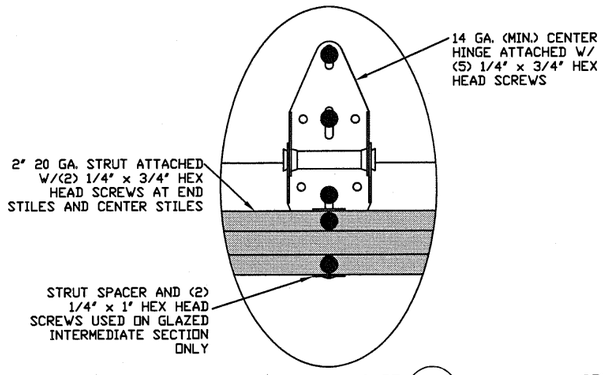

TYPICAL CENTER HINGE 2
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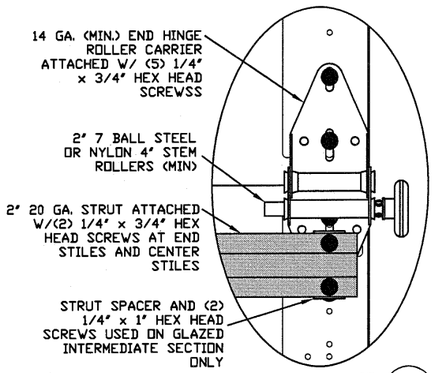
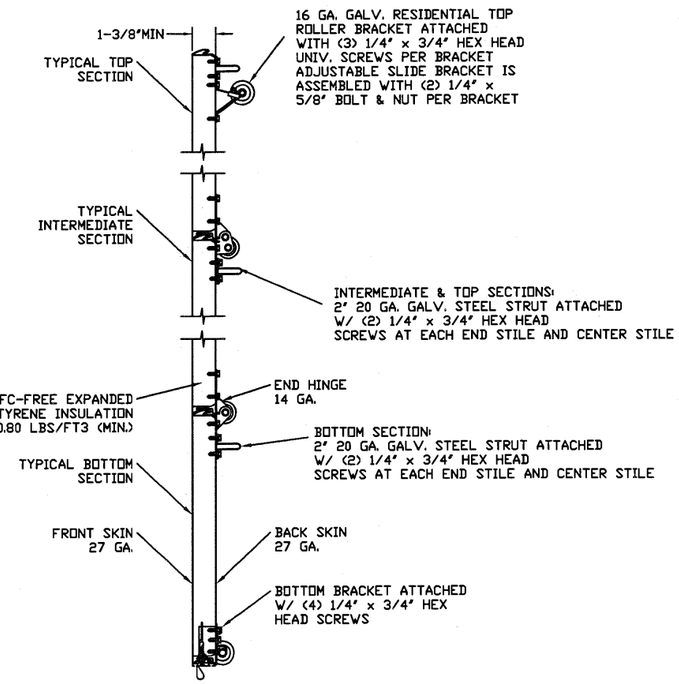
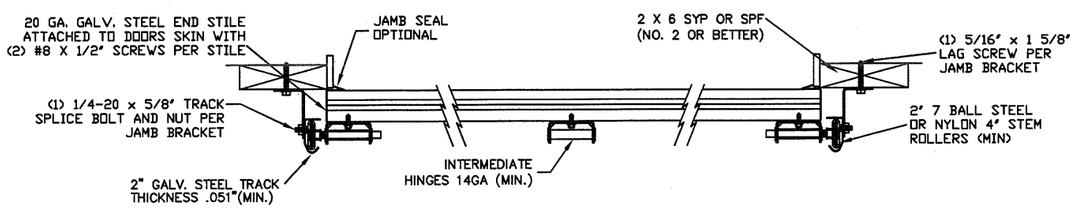


TYPICAL END HINGE 3
N.T.S.



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



TRACK MOUNTING DETAIL
N.T.S.

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
9' x 14'

DESIGN LOADS
+22.8 PSF
-26.9 PSF

TEST LOADS
+34.2 PSF
-40.4 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-004063)
5921-G W. Friendly Ave., Greensboro, NC 27410

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED
PROFESSIONAL ENGINEER
5/31/19
TX

Amarr ENTREMATIC

MODEL #3100 AMARR LINCOLN 3138
MODEL #3150 AMARR HILLCREST 3138
MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000

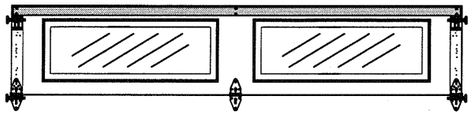
SIZE	DRAWN BY DRD	DATE 12/12/18	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 01/25/19	IRC-3109-120-11

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

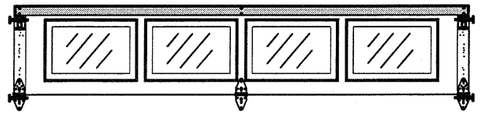
SHEET 1 OF 3

OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

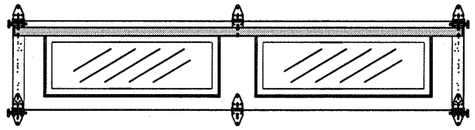
GLAZING MEETS ASTM E1300-04



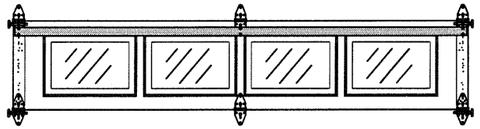
OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.



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



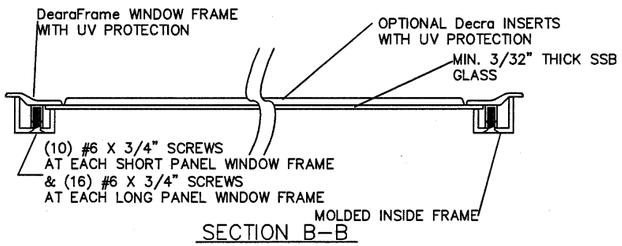
OPTIONAL GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.



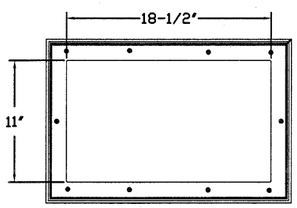
OPTIONAL GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL SHORT PANEL
N.T.S.

GLAZING OPTION CROSS SECTION

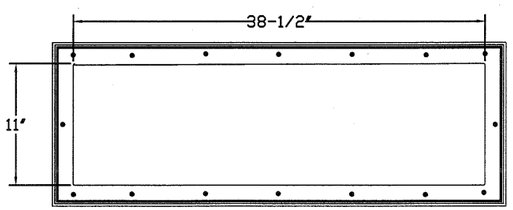
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



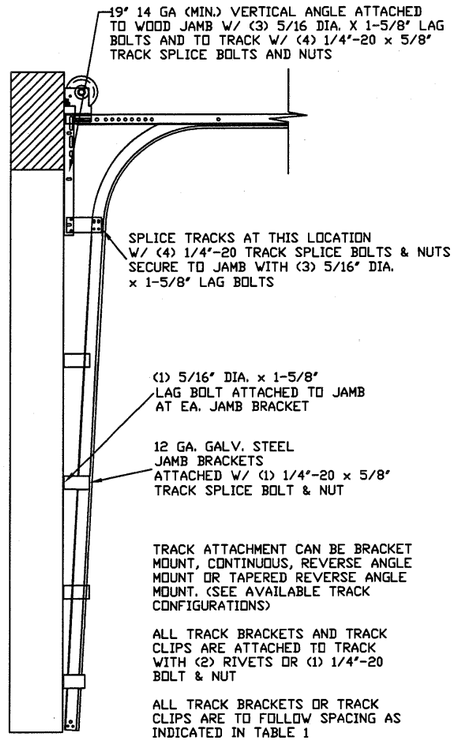
SECTION B-B



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.

TABLE 1

HEIGHT	TRACK ATTACHMENT							SPLICE
	A	B	C	D	E	F	G	
6' 0"	10"	38"	58"					64"
6' 6"	10"	38"	58"					70"
7' 0"	10"	38"	58"					76"
7' 6"	10"	38"	58"					82"
8' 0"	10"	38"	58"	82"				88"
8' 6"	10"	38"	58"	82"				94"
9' 0"	10"	38"	58"	82"				100"
9' 6"	10"	38"	58"	82"				106"
10' 0"	10"	38"	58"	82"	106"			112"
10' 6"	10"	38"	58"	82"	106"			118"
11' 0"	10"	38"	58"	82"	106"			124"
11' 6"	10"	38"	58"	82"	106"			130"
12' 0"	10"	38"	58"	82"	106"	130"		136"
12' 6"	10"	38"	58"	82"	106"	130"		142"
13' 0"	10"	38"	58"	82"	106"	130"		148"
13' 6"	10"	38"	58"	82"	106"	130"		154"
14' 0"	10"	38"	58"	82"	106"	130"	154"	160"

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

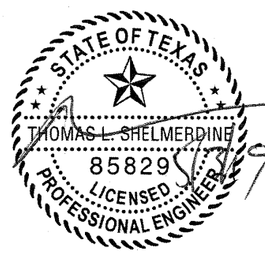
REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+22.8 PSF
-26.9 PSF

TEST LOADS
+34.2 PSF
-40.4 PSF

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



TX

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

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 12/12/18	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 01/25/19	IRC-3109-120-11
	ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105		SHEET 2 OF 3

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"

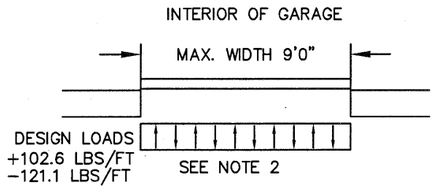
TABLE 3

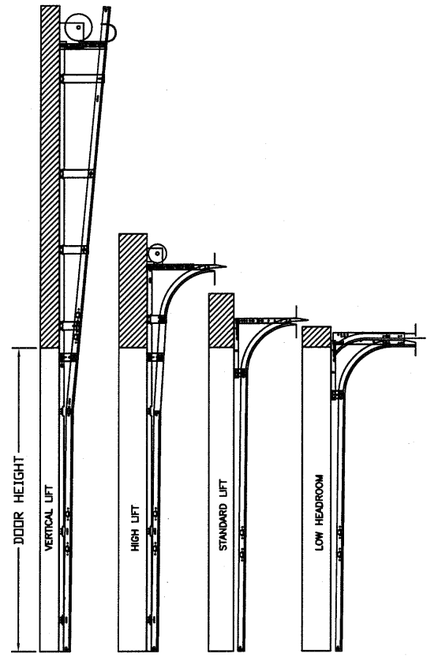
Section Width (ft)		Panel Type	Center Stile Location (Measured from Left Edge)		Max Design Loads Allowed	
			1st (in)	2nd (in)	Positive (PSF)	Negitive (PSF)
6'	0	Short	24.406	47.594	34.2	40.3
7'	0	Short	29.200	54.800	29.3	34.5
7'	2	Short	30.200	55.800	28.6	33.7
7'	4	Short	31.200	56.800	27.9	33.0
7'	6	Short	32.200	57.800	27.3	32.2
7'	6	Long	45.000		27.3	32.2
7'	8	Short	32.200	60.000	26.7	31.5
7'	8	Long	46.000		26.7	31.5
7'	10	Short	33.000	61.000	26.1	30.9
7'	10	Long	47.000		26.1	30.9
8'	0	Short	48.000		25.6	30.2
8'	0	Long	48.000		25.6	30.2
8'	2	Short	49.000		25.1	29.6
8'	2	Long	49.000		25.1	29.6
8'	4	Short	50.000		24.6	29.0
8'	4	Long	50.000		24.6	29.0
8'	6	Short	51.000		24.1	28.4
8'	6	Long	51.000		24.1	28.4
8'	8	Short	52.000		23.6	27.9
8'	8	Long	52.000		23.6	27.9
8'	10	Short	53.000		23.2	27.4
8'	10	Long	53.000		23.2	27.4
9'	0	Short	54.000		22.8	26.9
9'	0	Long	54.000		22.8	26.9

TABLE 4

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: +102.6 LBS/FT & −121.1 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.





AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

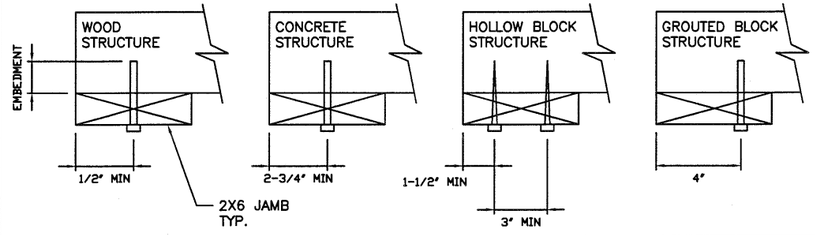
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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 24" 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 24" 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



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DESIGN LOADS
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−26.9 PSF

TEST LOADS
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−40.4 PSF

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SIZE	DRAWN BY DRD	DATE 12/12/18	DRAWING NUMBER
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ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3