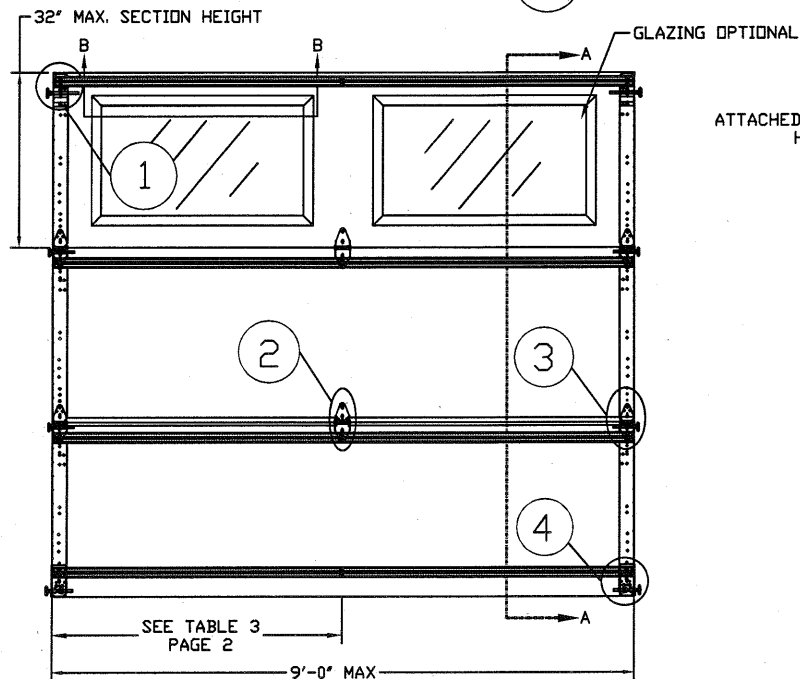
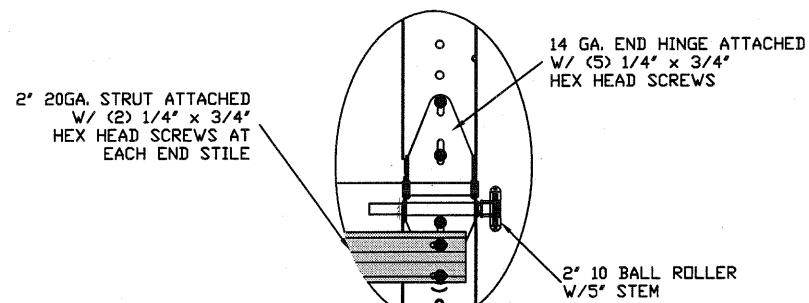


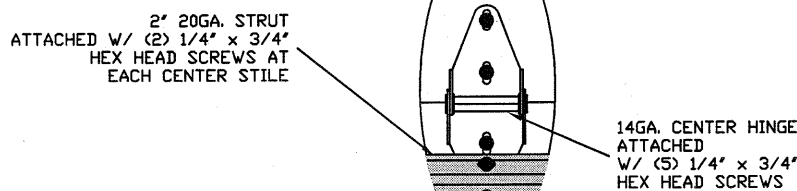
TYPICAL TOP FIXTURES
N.T.S.



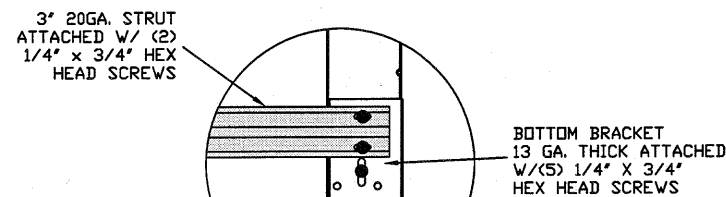
INSIDE ELEVATION
N.T.S.



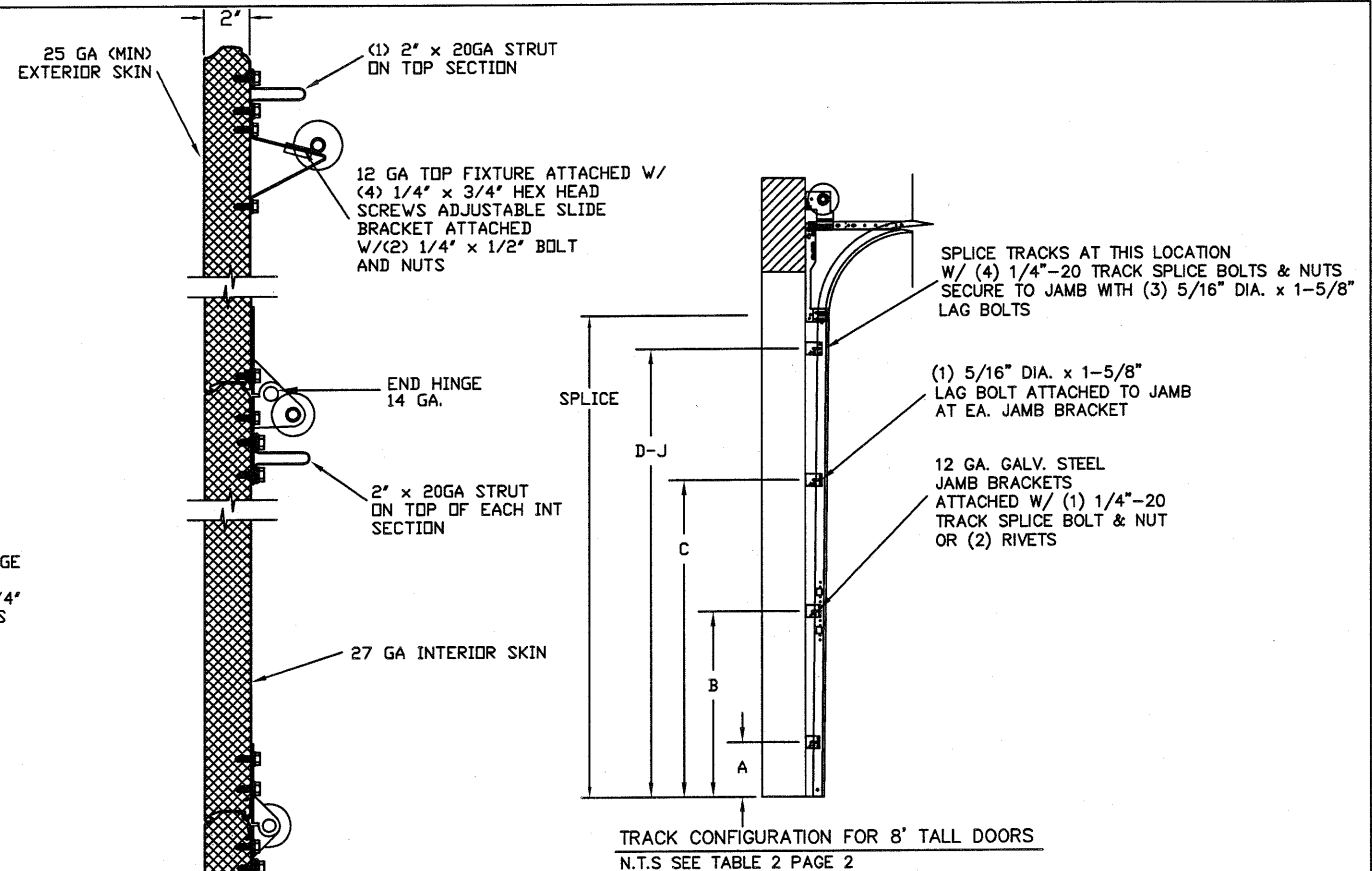
TYPICAL END HINGE
N.T.S.



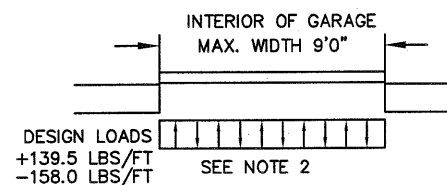
TYPICAL CENTER HINGE
N.T.S.



TYPICAL BOTTOM BRACKET
N.T.S.

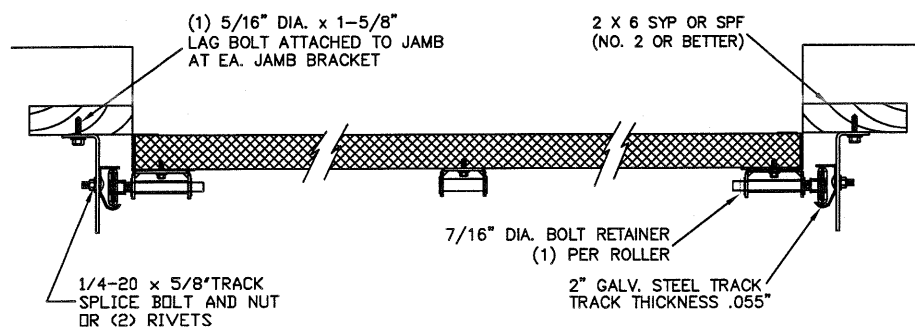


SECTION A-A (SIDE VIEW)
N.T.S.



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: +139.5 LBS/FT & -158.0 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. DOOR SECTIONS SHALL BE 25 GA. EXTERIOR MIN. (.019"), AND 27 GA. INTERIOR MIN (.014) ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
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. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC



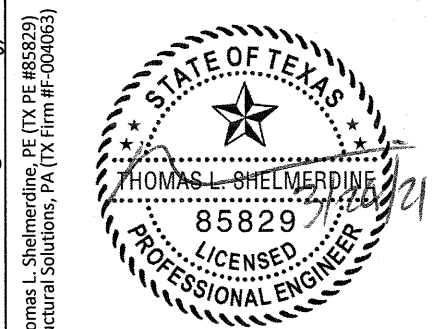
TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND ANSI/DASHA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	178	162	154	147	141
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
+31.0 PSF
-35.1 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+46.5 PSF
-52.7 PSF



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

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

Amarr

MODEL 3000 AMARR CLASSICA 3000

SIZE	DRAWN BY	DLJ	DATE	01/20/21	DRAWING NUMBER
B	CHECKED BY	DRC	DATE	01/21/21	IRC-3309-140-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 2

TABLE 1

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

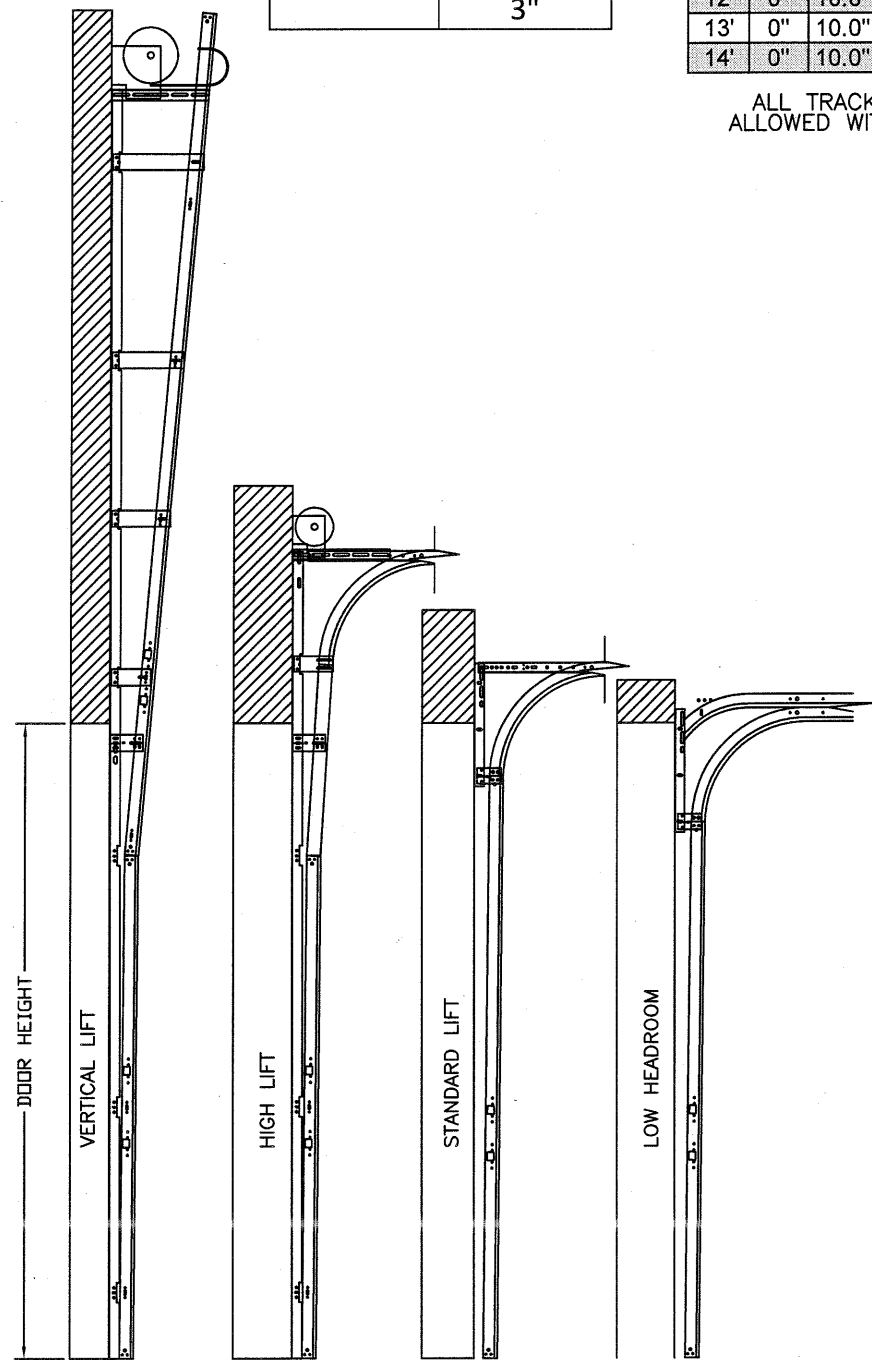
TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT										
	A	B	C	D	E	F	G	H	I	J	
7' 0"	10.0"	34"	58"								
7' 6"	10.0"	34"	58"								
8' 0"	10.0"	34"	58"	82"							
8' 6"	10.0"	34"	58"	82"							
9' 0"	10.0"	34"	58"	82"	94"						
9' 6"	10.0"	34"	58"	82"	94"						
10' 0"	10.0"	34"	58"	82"	94"	106"					
11' 0"	10.0"	34"	58"	82"	94"	106"	118"				
12' 0"	10.0"	34"	58"	82"	94"	106"	118"	130"			
13' 0"	10.0"	34"	58"	82"	94"	106"	118"	130"	142"		
14' 0"	10.0"	34"	58"	82"	94"	106"	118"	130"	142"	154"	

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

TABLE 3

Section Width (ft)	Center Stile Location (Measured from Left)		Max Design Loads Allowed	
	1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6' 0	24.644	47.3565	46.3	52.4
7' 0	29.144	54.857	39.7	44.9
7' 2	29.894	56.107	38.7	43.9
7' 4	30.644	57.357	37.9	42.9
7' 6	45.000		37.0	41.9
7' 8	46.000		36.2	41.0
7' 10	47.000		35.4	40.1
8' 0	48.000		34.7	39.3
8' 2	49.000		34.0	38.5
8' 4	50.000		33.3	37.7
8' 6	51.000		32.7	37.0
8' 8	52.000		32.0	36.3
8' 10	53.000		31.4	35.6
9' 0	54.000		31.0	35.1



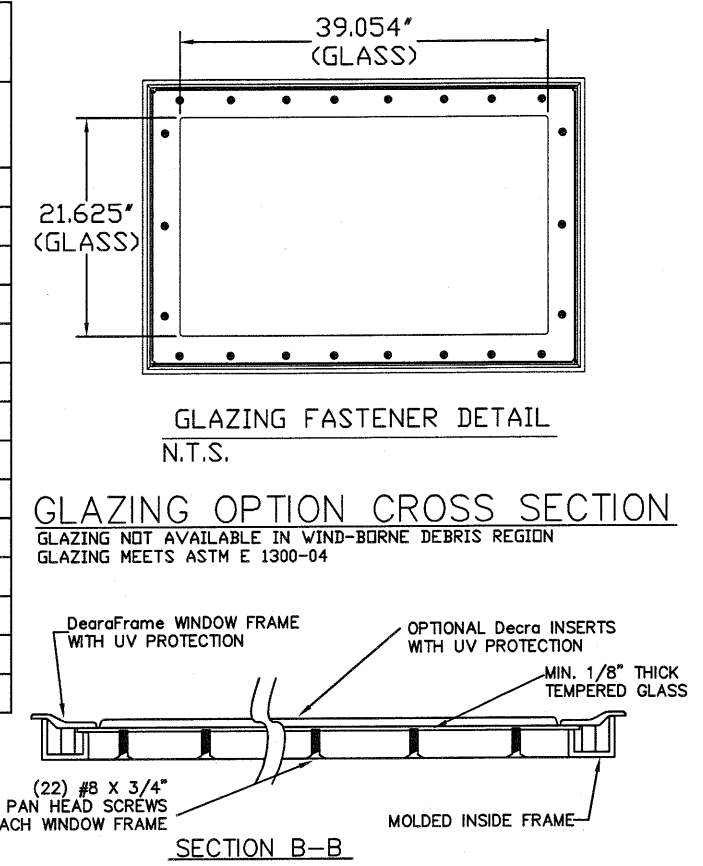
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+31.0 PSF
-35.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+46.5 PSF
-52.7 PSF

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

SHEET 2 OF 2