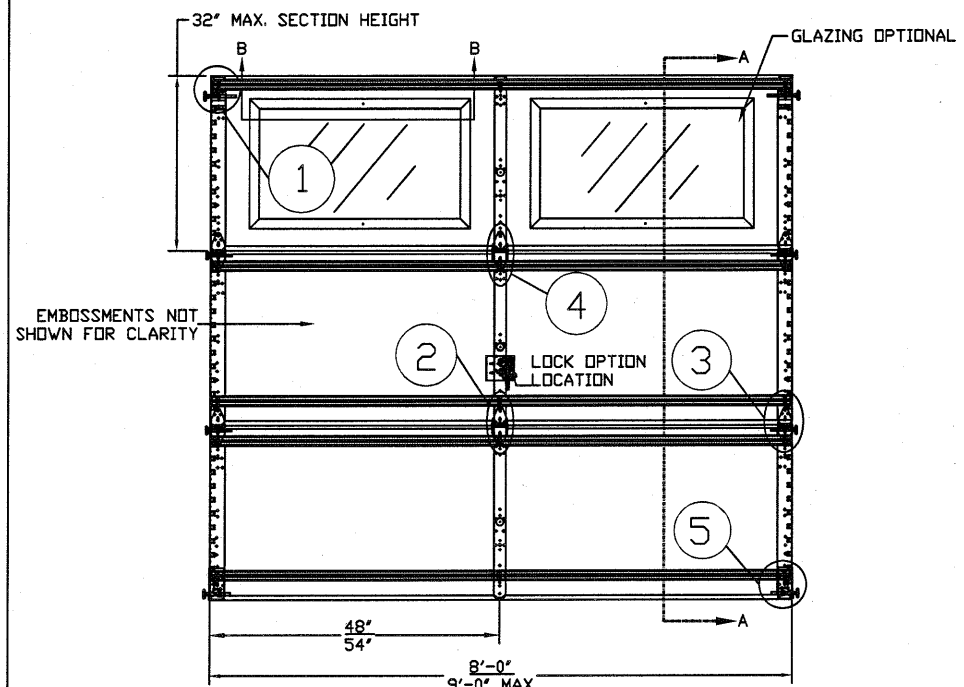
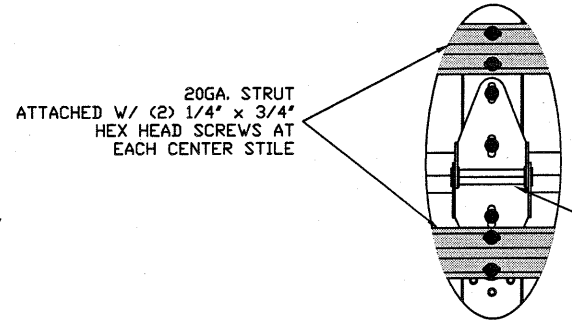


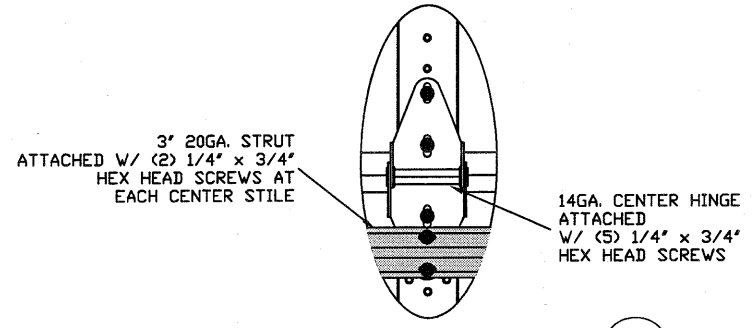
TYPICAL TOP FIXTURES
N.T.S. 1



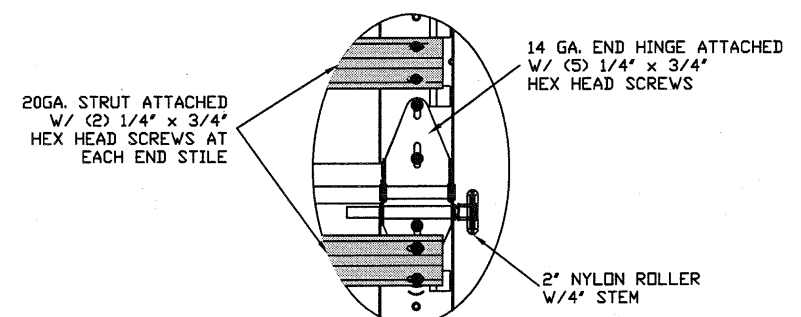
INSIDE ELEVATION
N.T.S.



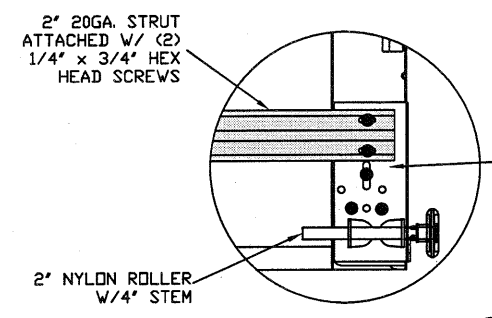
TYPICAL CENTER HINGE
N.T.S. 2



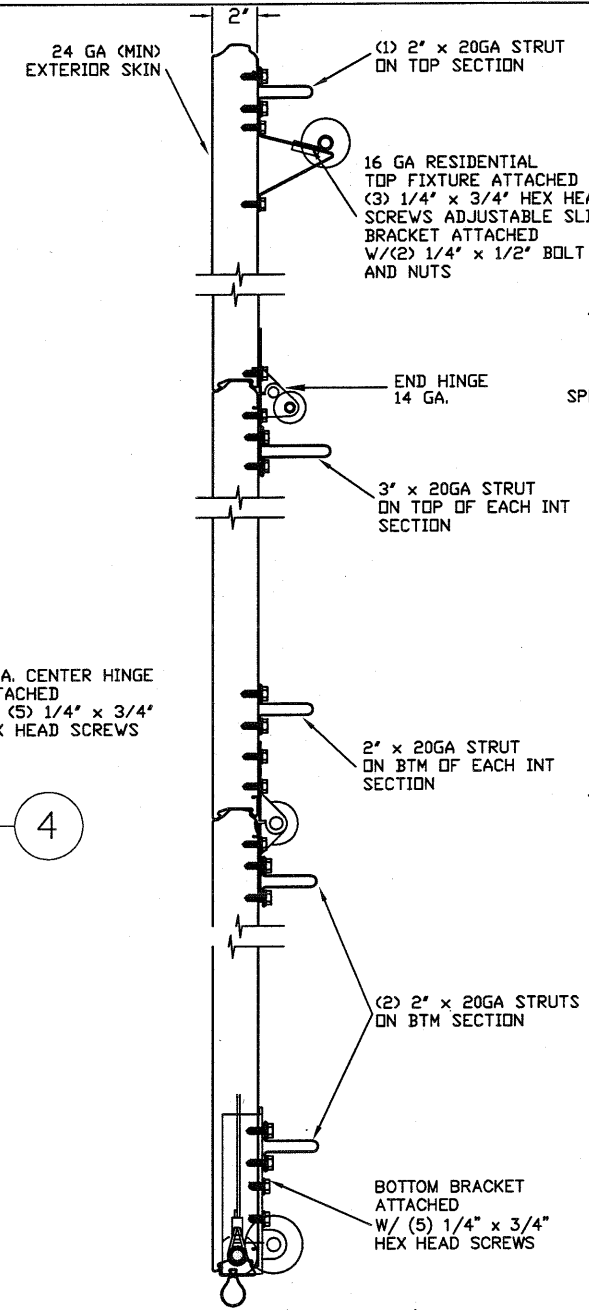
INT/TOP SECTION CENTER HINGE
N.T.S. 4



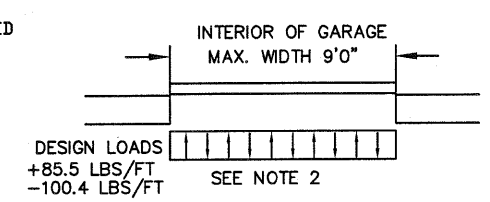
TYPICAL END HINGE
N.T.S. 3



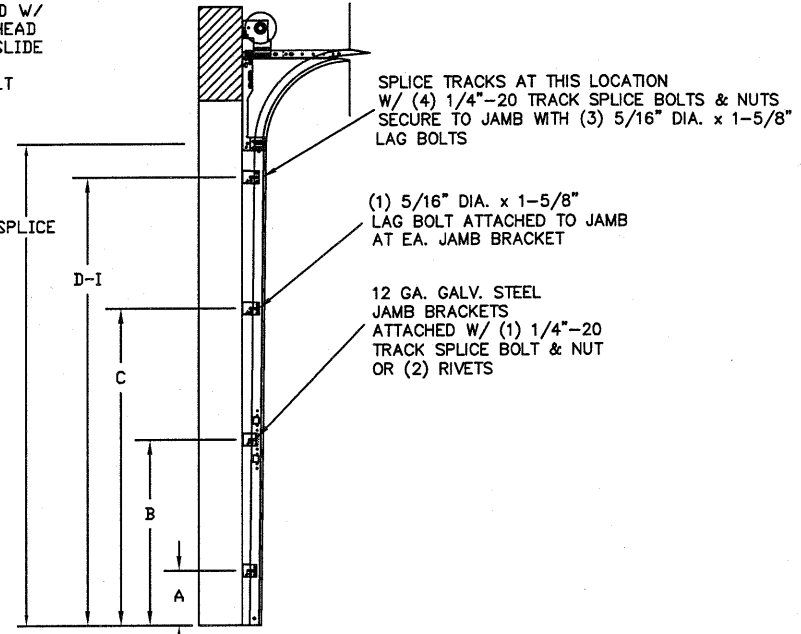
TYPICAL BOTTOM BRACKET
N.T.S. 5



SECTION A-A (SIDE VIEW)

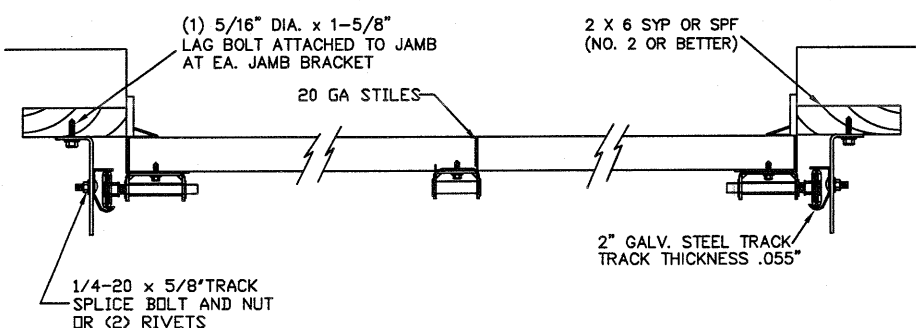


SPECIFICATIONS AND NOTES



TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S. SEE TABLE 2 PAGE 2

ALL TRACK ATTACHMENTS +/- 2" WITH SYP OR SPF NO. 2 OR BETTER



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 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)	142	129	122	117	112
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +85.5 LBS/FT & -100.4 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY.
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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'
DESIGN LOADS
+19.0 PSF
-22.3 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+28.5 PSF
-33.5 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

MODEL #500
AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	DRC	DATE	01/11/21	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	01/12/21	IRC-5309-110-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 2

TABLE 1

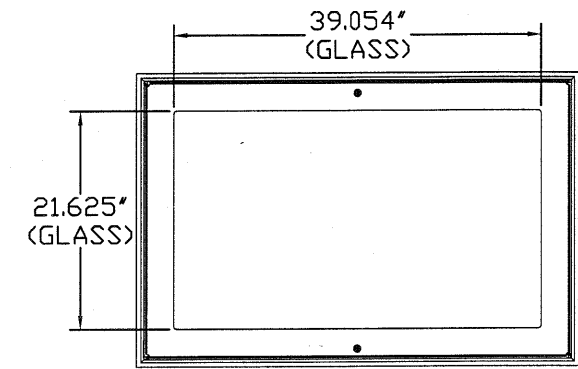
SECTION	STRUT SIZE
TOP	2"
	2"
5TH	3"
	2"
4TH	3"
	2"
3RD	3"
	2"
2ND	3"
	2"
BOTTOM	2"
	2"

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"	

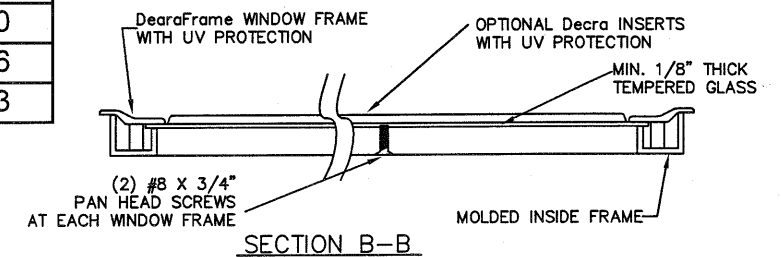
TABLE 3

Section Width (ft)	Center Stile Location (Measured from Left)		Max Design Loads Allowed	
	1st (in)	2st (in)	Positive (PSF)	Negative (PSF)
6' 0"	24.644	47.3565	28.4	33.3
7' 0"	29.144	54.857	24.3	28.5
7' 2"	29.894	56.107	23.7	27.9
7' 4"	30.644	57.357	23.2	27.2
7' 6"	45.000		22.7	26.6
7' 8"	46.000		22.2	26.0
7' 10"	47.000		21.7	25.5
8' 0"	48.000		21.3	25.0
8' 2"	49.000		20.8	24.5
8' 4"	50.000		20.4	24.0
8' 6"	51.000		20.0	23.5
8' 8"	52.000		19.6	23.0
8' 10"	53.000		19.3	22.6
9' 0"	54.000		19.0	22.3

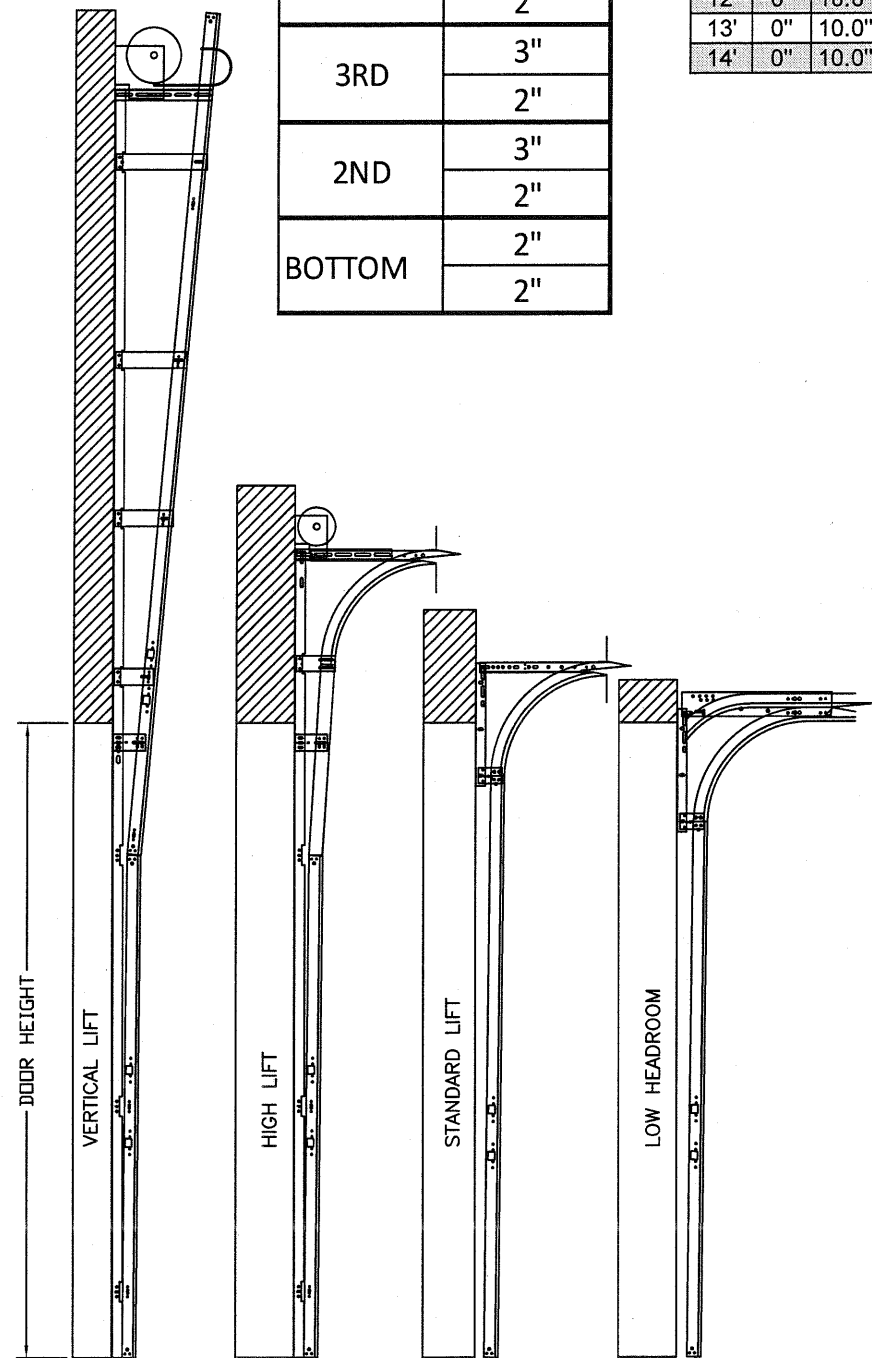


GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E 1300-04



SECTION B-B



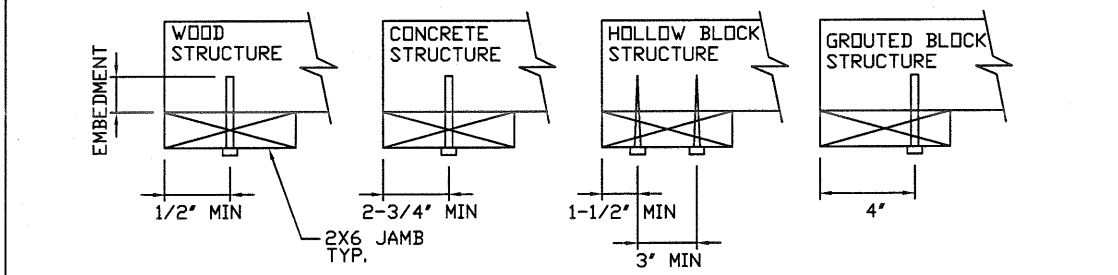
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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 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)

*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
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DESIGN LOADS
+19.0 PSF
-22.3 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+28.5 PSF
-33.5 PSF

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

SHEET 2 OF 2