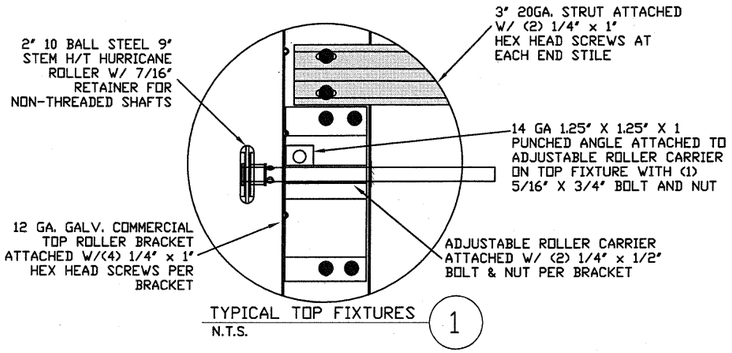
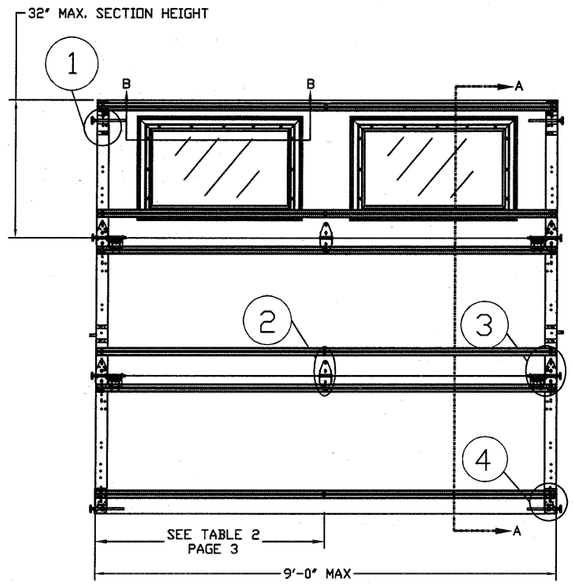
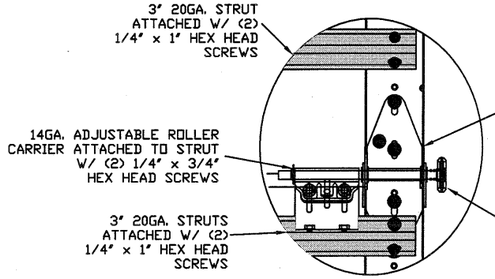


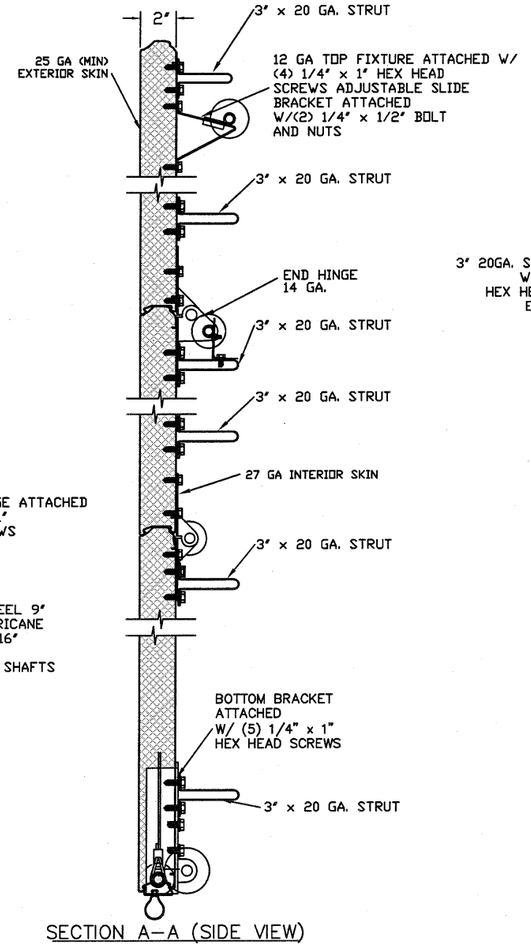
TYPICAL TOP FIXTURES 1
N.T.S.



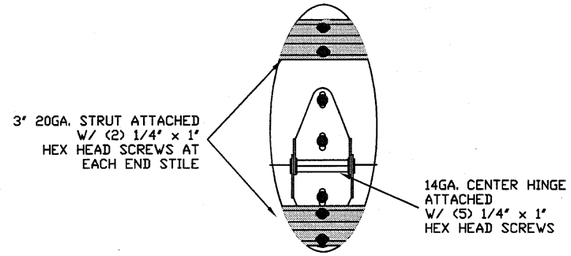
INSIDE ELEVATION
N.T.S.



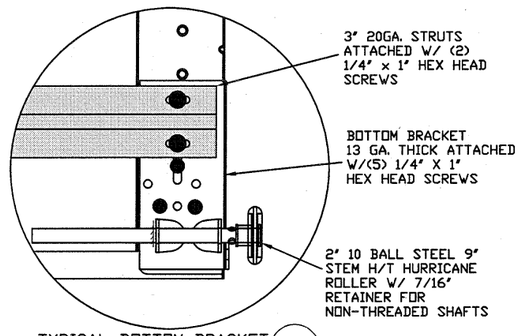
TYPICAL END HINGE 3
N.T.S.



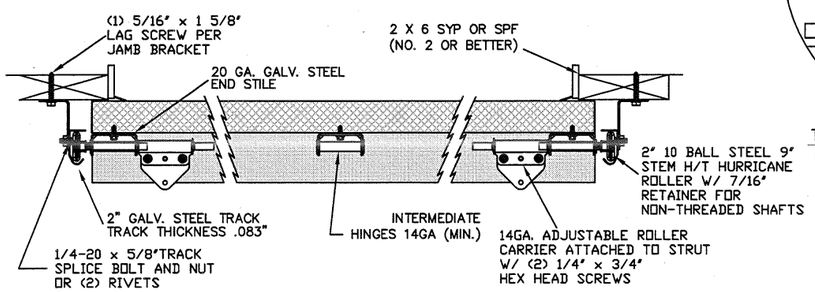
SECTION A–A (SIDE VIEW)



TYPICAL CENTER HINGE 2
N.T.S.



TYPICAL BOTTOM BRACKET 4
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

LARGE MISSLE IMPACT RESISTANT

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996 & F588, DASMA 108 & 115. 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)	232	211	201	192	184
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'0 x 14'

DESIGN LOADS
+50.8 PSF
-59.8 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+76.2 PSF
-89.7 PSF

LARGE MISSLE IMPACT RESISTANCE

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-0040063)

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED
PROFESSIONAL ENGINEER
TX

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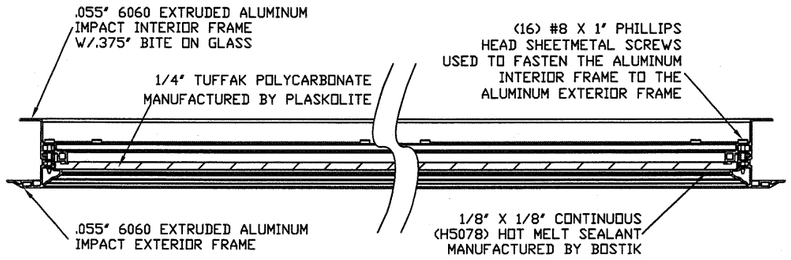
Amarr

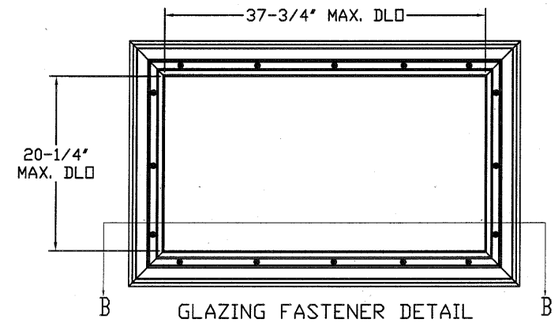
MODEL #3000 AMARR CLASSICA 3000

SIZE	DRAWN BY	DLJ	DATE	1/25/21	DRAWING NUMBER
B	CHECKED BY	DRC	DATE	1/26/21	IRC-3309-180-15-I

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

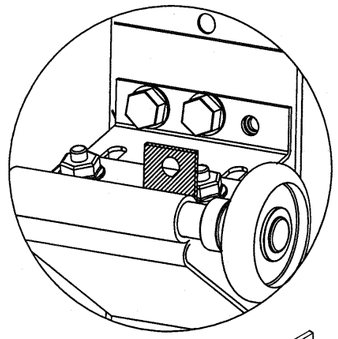


SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

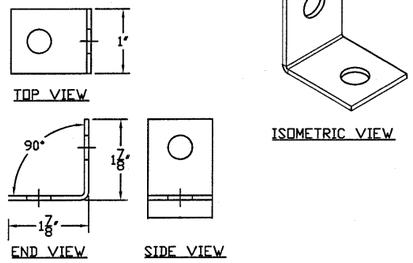


GLAZING FASTENER DETAIL
N.T.S.

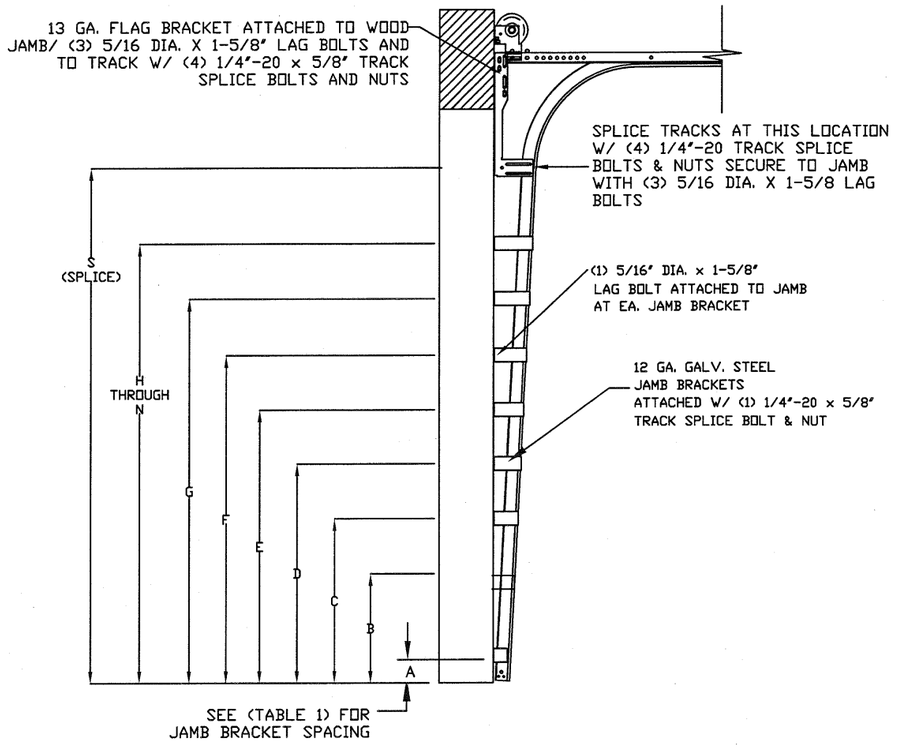
TOP FIXTURE REINFORCEMENT ILLUSTRATION



TOP FIXTURE ADDER PIECE



NOTES:
1. ZINC COATING
2. MATERIAL YIELD STRENGTH: 35-49 KSI.
3. MATERIAL HARDNESS: 50-60 ROCKWELL B.
4. 1.25" X 1.25" X 1" X 14 GA PUNCHED ANGLE ATTACHED W(1) 5/16" X 3/4" BOLT AND NUT



STANDARD TRACK CONFIGURATION FOR 7' AND 8' TALL DOORS
N.T.S.

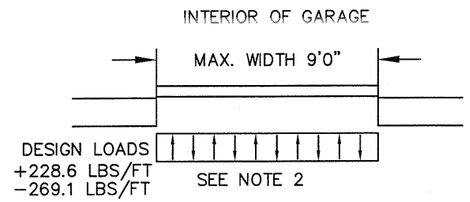
TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT														TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
7'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"								76"
7'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"								82"
8'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"							88"
8'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"							94"
9'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"						100"
9'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"						106"
10'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"					112"
11'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"				124"
12'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"			136"
13'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		148"
14'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	160"

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

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: +228.6 LBS/FT & -269.1 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. (.019) MIN. EXTERIOR SKIN AND 27 GA. (.015) MIN. INTERIOR SKIN, ROLLED FORMED, G30 GALVANIZED W/POLYESTER TOP COAT
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
7. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9'0 x 14'

DESIGN LOADS
+50.8 PSF
-59.8 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+76.2 PSF
-89.7 PSF

LARGE MISSLE IMPACT RESISTANCE

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

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
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PROFESSIONAL ENGINEER
3/24/21

TX

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Amarr

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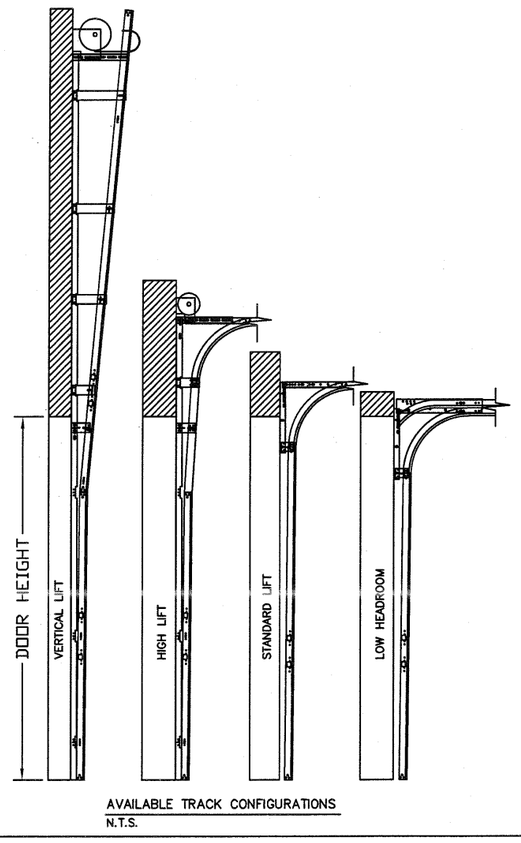
AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 2 OF 3

TABLE 2

Section	Panel Type	Center Stile Location (Measured from Left	
Width (ft)		1st (in)	2st (in)
6' 0	Short	24.6	47.4
7' 0	Short	29.1	54.9
7' 2	Short	29.9	56.1
7' 4	Short	30.6	57.4
7' 6	Long/Short	45.0	
7' 8	Long/Short	46.0	
7' 10	Long/Short	47.0	
8' 0	Long/Short	48.0	
8' 2	Long/Short	49.0	
8' 4	Long/Short	50.0	
8' 6	Long/Short	51.0	
8' 8	Long/Short	52.0	
8' 10	Long/Short	53.0	
9' 0	Long/Short	54.0	



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 20" 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 18" 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 (1900 PSI MIN)
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" 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 8" 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 22" 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

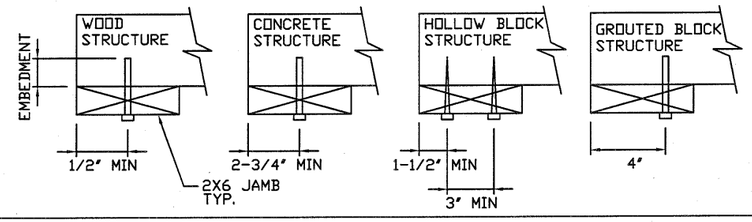


TABLE 3

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

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TEST LOADS
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 3 OF 3