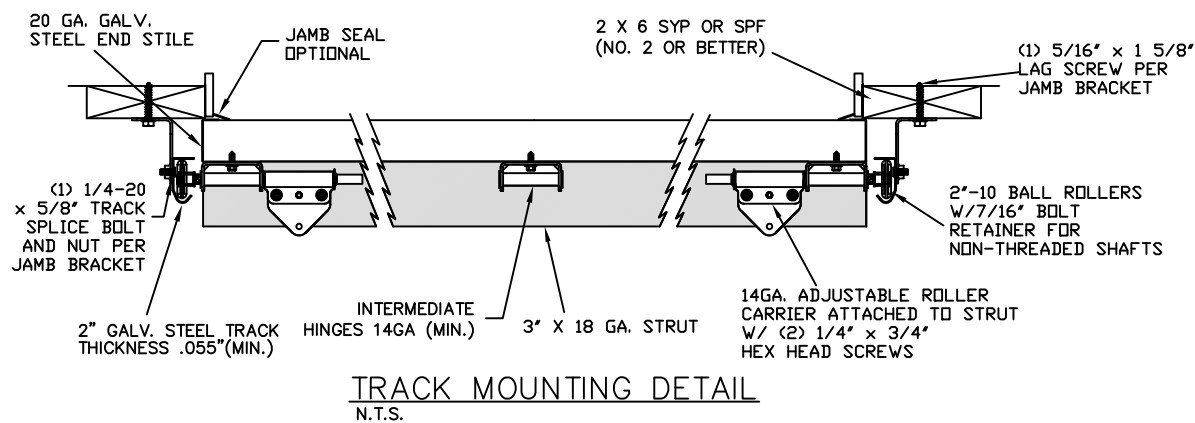
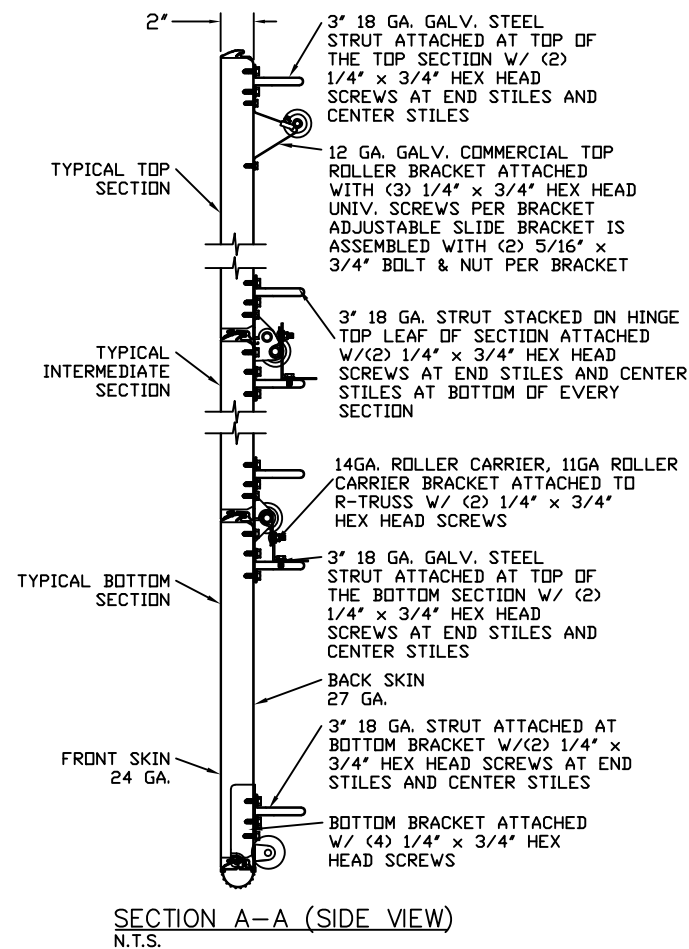
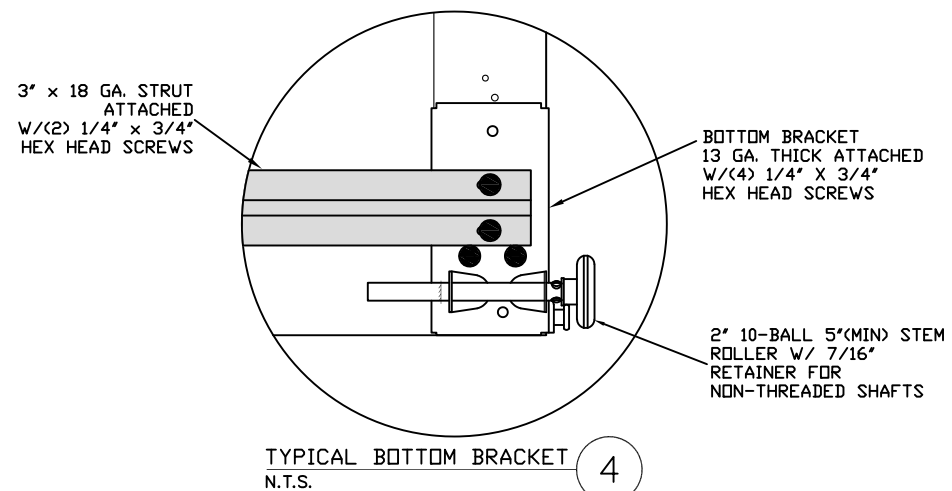
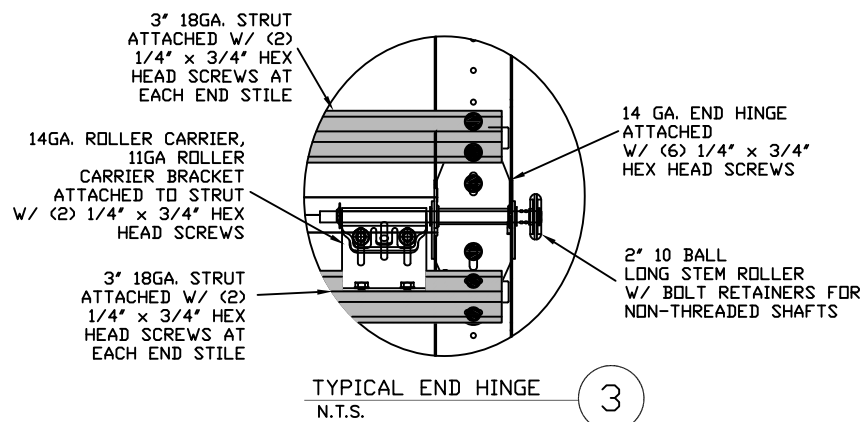
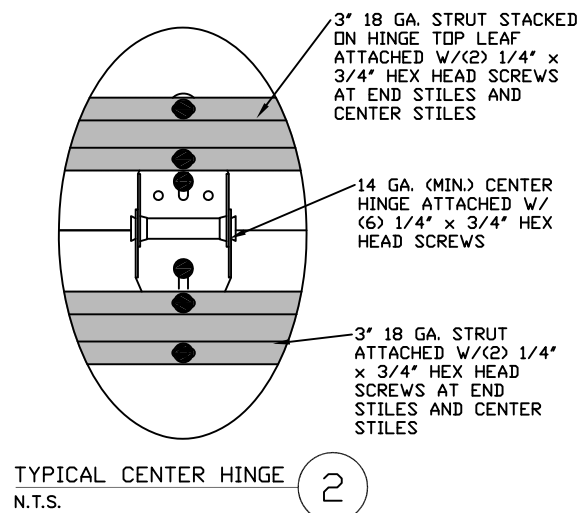
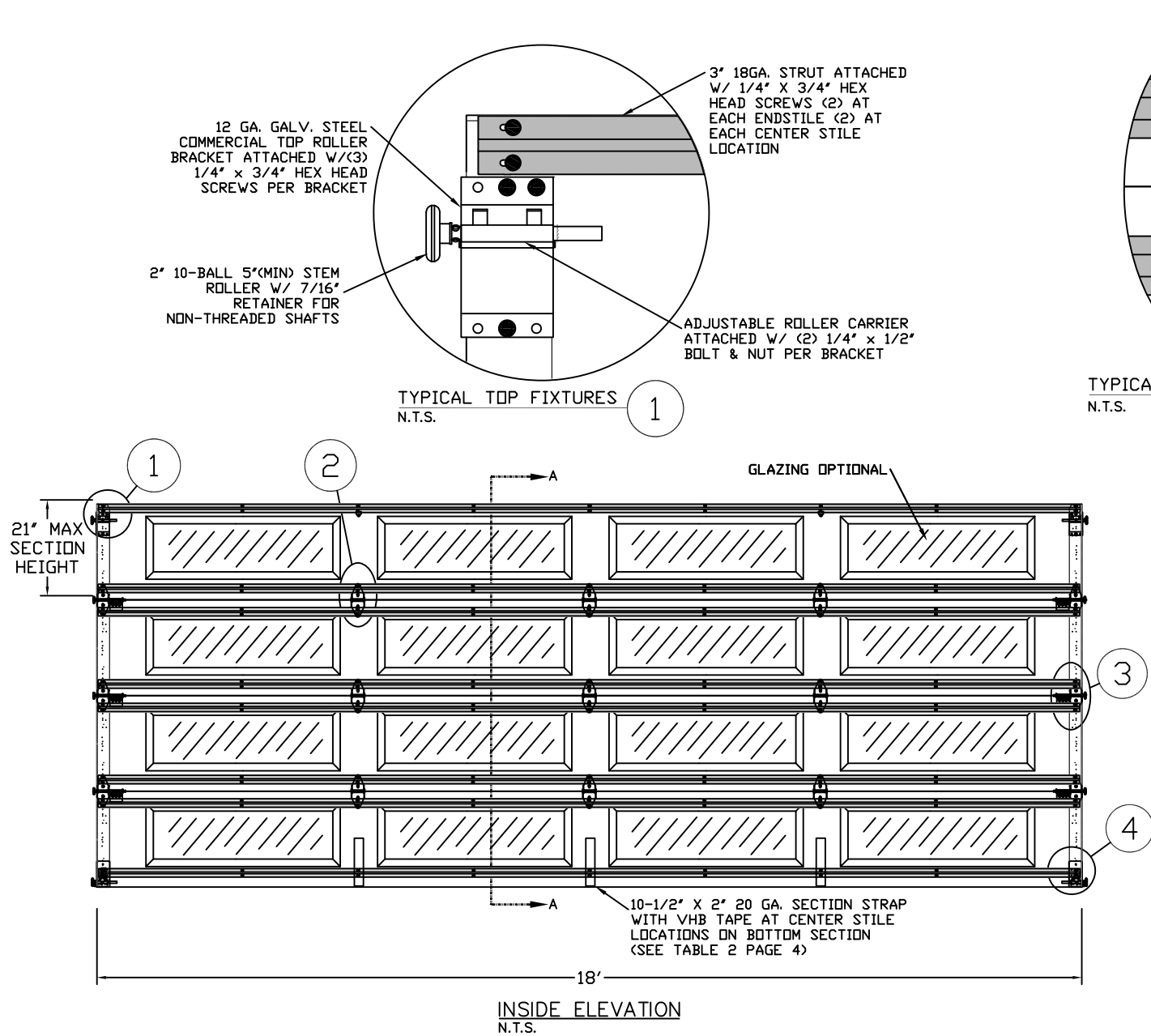




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +25.4 PSF -28.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +38.1 PSF -43.1 PSF		
	THOMAS L. SHELMERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. Digitally signed by Thomas L. Shelmerdine DN: c=US, o=North Carolina, dnQualifier=A01410D00001856487A7B100125CE2, cn=Thomas L. Shelmerdine Date: 2024.06.17 15:26:54 -04'00' Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL		

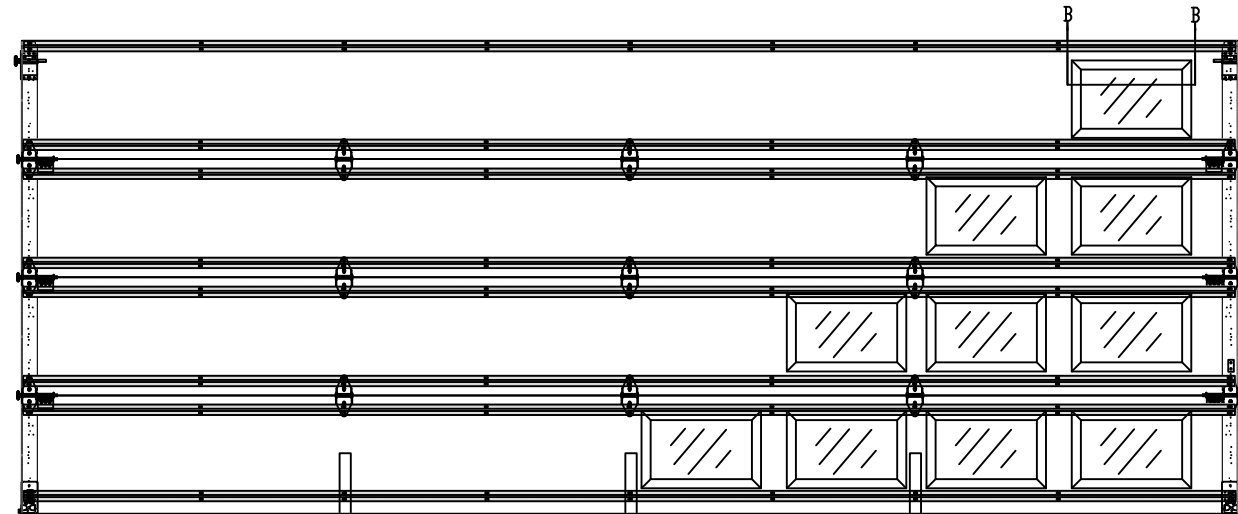
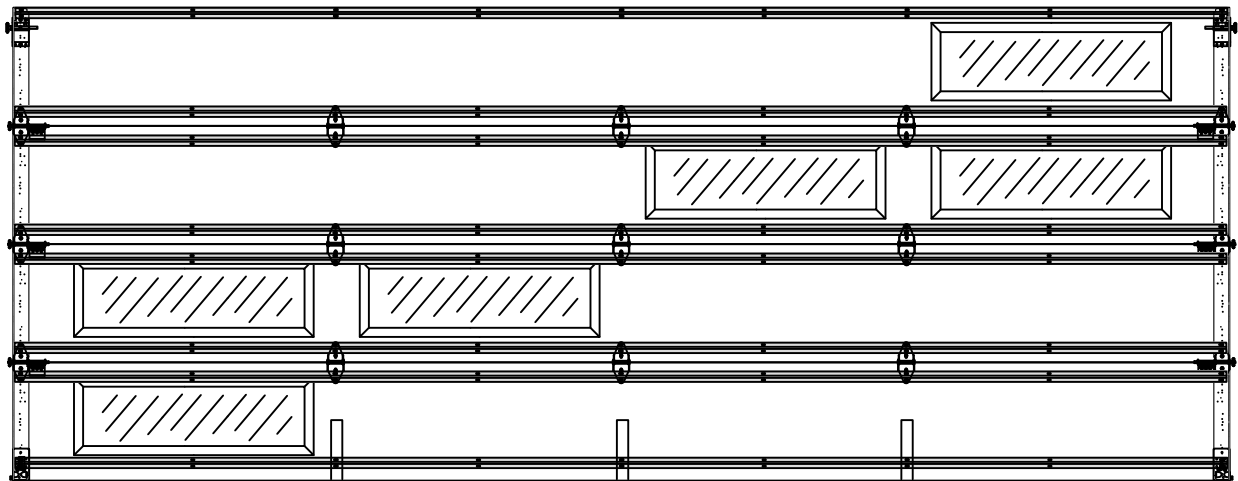
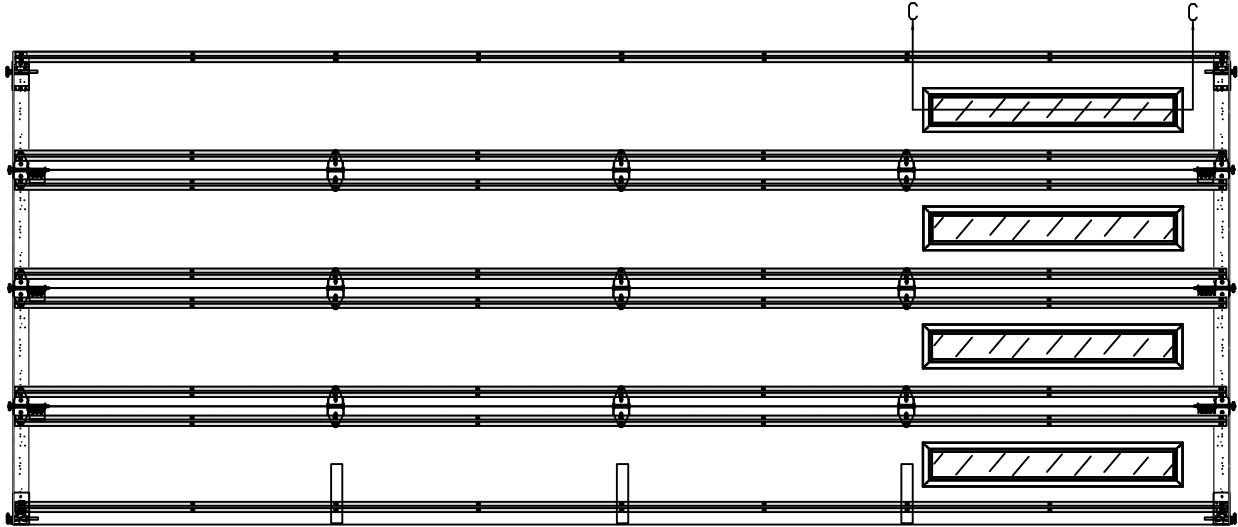
Amarr

MODEL #1200 AMARR HERITAGE 3000
MODEL #1225 AMARR NORTHWOODS 3000

SIZE	DRAWN BY	DLJ	DATE	06/07/21	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	07/07/21	IRC-1218-130-17-M
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 4

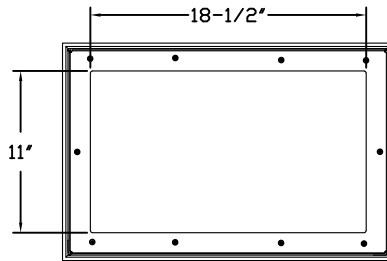
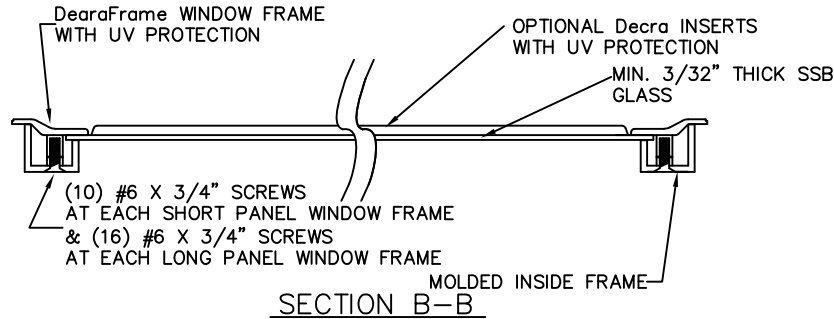
EXAMPLES OF OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

GLAZING AVAILABLE IN ANY COMBINATION
GLAZING MEETS ASTM E1300-04

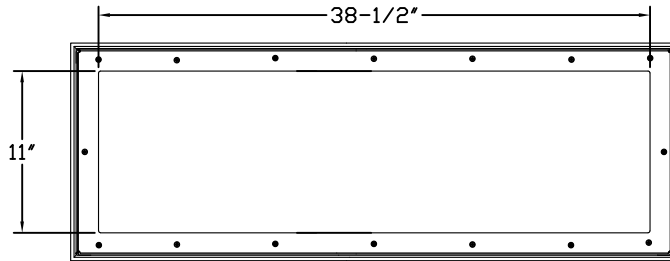


GLAZING OPTION CROSS SECTION

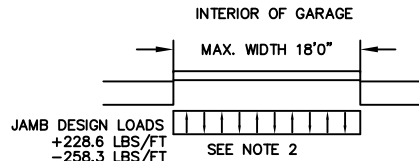
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.

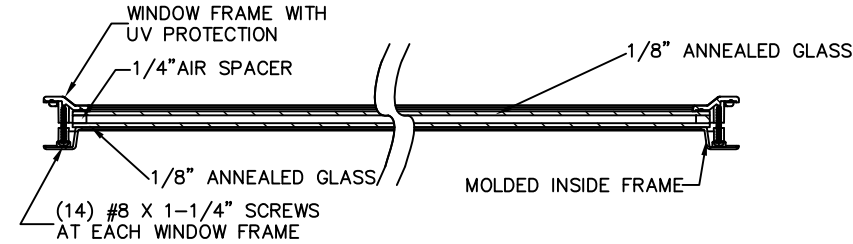


SPECIFICATIONS AND NOTES

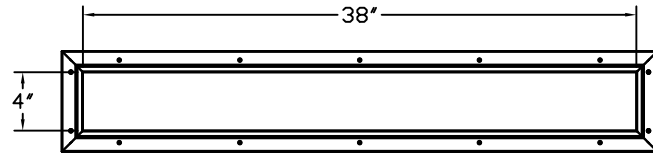
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +228.6 LBS/FT & -258.3 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.0216) 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.

GLAZING OPTION CROSS SECTION

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

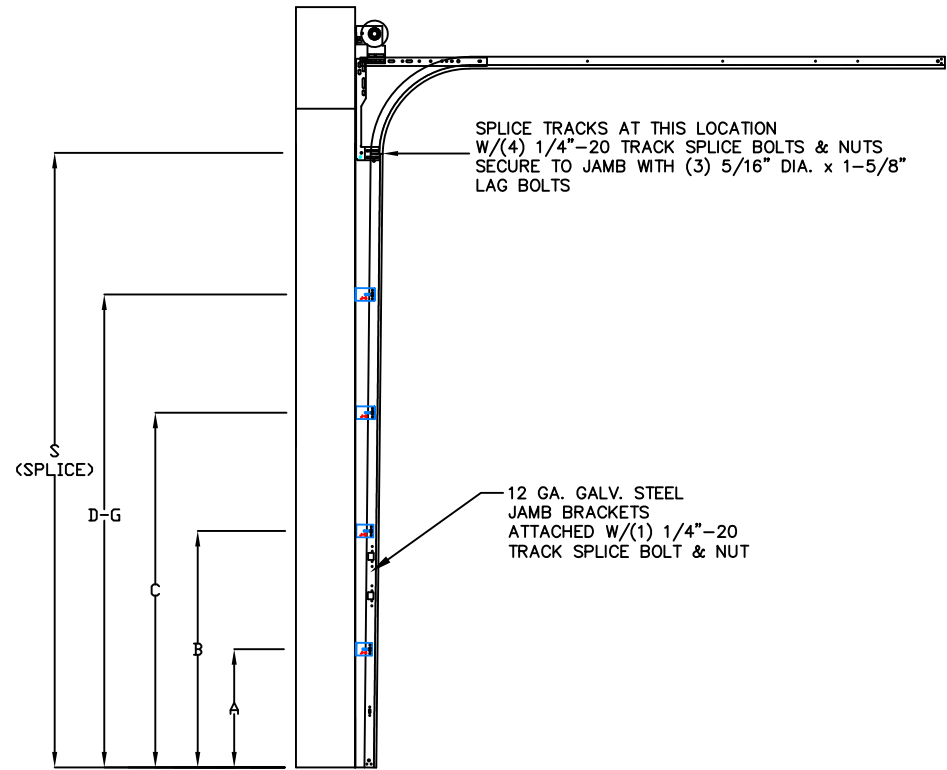


SECTION C-C



SLIMLINE PANEL GLAZING FASTENER DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +25.4 PSF -28.7 PSF TEST LOADS (1.5 x DESIGN LOADS) +38.1 PSF -43.1 PSF		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL	
Amarr			
MODEL #1200 AMARR HERITAGE 3000 MODEL #1225 AMARR NORTHWOODS 3000			
SIZE	DRAWN BY DLJ	DATE 06/07/21	DRAWING NUMBER
B	CHECKED BY RLR	DATE 07/07/21	IRC-1218-130-17-M
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 4



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS (SEE TABLE 1)
N.T.S.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F		G	
6' 6"	10"	21"	38"	58"					70"
7'	10"	21"	38"	58"					76"
7' 6"	10"	21"	38"	58"	78"				82"
8'	10"	21"	38"	58"	78"				88"
8' 6"	10"	21"	38"	58"	78"				94"
9'	10"	21"	38"	58"	78"				100"
9' 6"	10"	21"	38"	58"	78"	98"			106"
10'	10"	21"	38"	58"	78"	98"			112"
10' 6"	10"	21"	38"	58"	78"	98"			118"
11'	10"	21"	38"	58"	78"	98"	118"		124"
11' 6"	10"	21"	38"	58"	78"	98"	118"		130"
12'	10"	21"	38"	58"	78"	98"	118"		136"
12'6"	10"	21"	38"	58"	78"	98"	118"		142"
13'	10"	21"	38"	58"	78"	98"	118"	138"	148"
13' 6"	10"	21"	38"	58"	78"	98"	118"	138"	154"
14'	10"	21"	38"	58"	78"	98"	118"	138"	160"

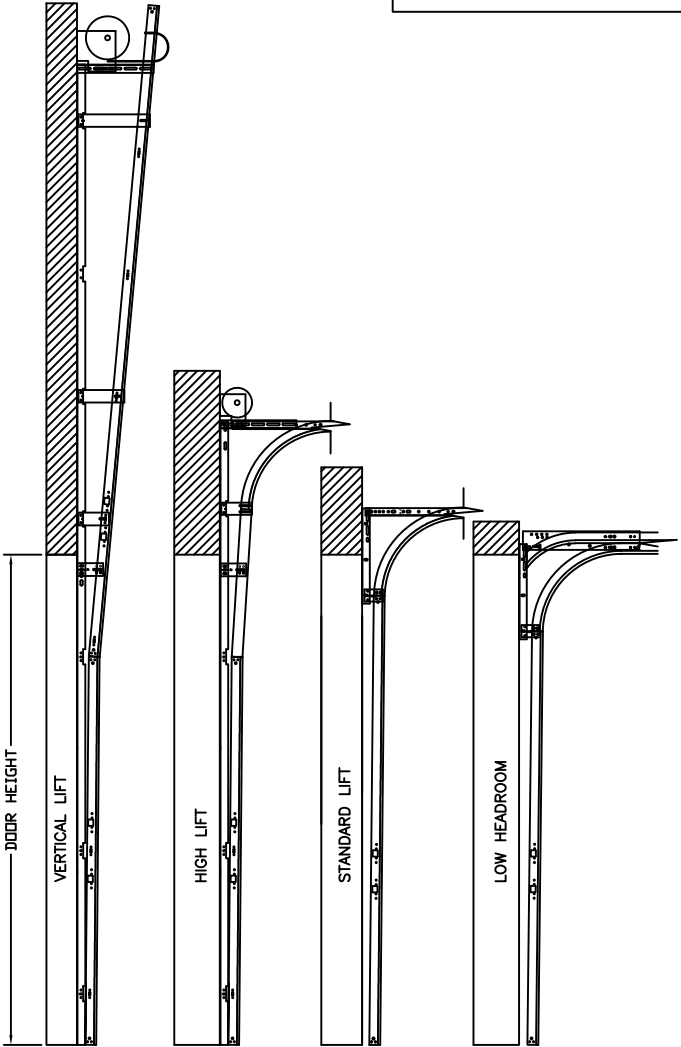
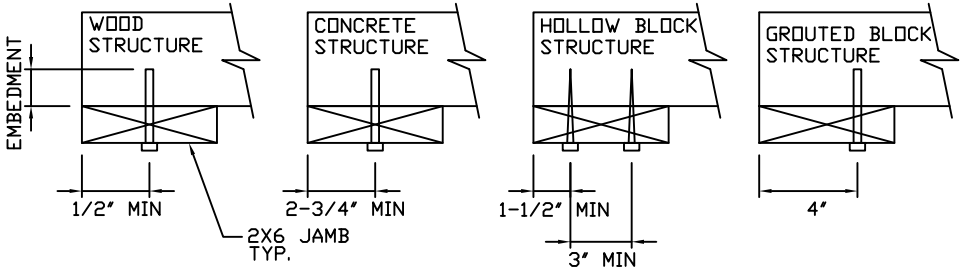
ALL TRACK ATTACHMENT SPACING +/- 1/4" ALLOWED
WITH SYP OR SPF NO. 2 OR BETTER ONLY

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
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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' WIDTH
14' HEIGHT
(DOOR HEIGHT SUBJECT
TO WEIGHT LIMITATIONS)

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+38.1 PSF
-43.1 PSF

THOMAS L. SHELDERDINE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

FL

Amarr

MODEL #1200 AMARR HERITAGE 3000
MODEL #1225 AMARR NORTHWOODS 3000

SIZE	DRAWN BY	DLJ	DATE	06/07/21	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	07/07/21	IRC-1218-130-17-M

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

SHEET 3 OF 4

TABLE 2

Section	Panel Type	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 2	Short	50.27	97.00	143.73	28.2	31.9
16' 2	Long	51.17	97.00	142.83	28.2	31.9
16' 2	Bead Board	48.75	97.00	145.25	28.2	31.9
16' 4	Short	51.27	98.00	144.73	27.9	31.6
16' 4	Long	52.17	98.00	143.83	27.9	31.6
16' 4	Bead Board	49.08	98.00	146.92	27.9	31.6
16' 6	Short	52.27	99.00	145.73	27.7	31.3
16' 6	Long	51.34	99.00	146.66	27.7	31.3
16' 6	Bead Board	49.42	99.00	148.59	27.7	31.3
16' 8	Short	51.34	100.00	148.66	27.4	30.9
16' 8	Long	52.20	100.00	147.80	27.4	30.9
16' 8	Bead Board	49.92	100.00	150.09	27.4	30.9
16' 10	Short	51.50	101.00	150.50	27.1	30.6
16' 10	Long	53.20	101.00	148.80	27.1	30.6
16' 10	Bead Board	50.15	101.00	151.59	27.1	30.6
17' 0	Short	53.34	102.00	150.66	26.8	30.3
17' 0	Long	54.20	102.00	149.80	26.8	30.3
17' 0	Bead Board	50.92	102.00	153.09	26.8	30.3
17' 2	Short	53.00	103.00	153.00	26.6	30.0
17' 2	Long	55.20	103.00	150.80	26.6	30.0
17' 2	Bead Board	51.42	103.00	154.59	26.6	30.0
17' 4	Short	54.00	104.00	154.00	26.3	29.8
17' 4	Long	56.20	104.00	151.80	26.3	29.8
17' 4	Bead Board	51.92	104.00	156.09	26.3	29.8
17' 6	Short	55.00	105.00	155.00	26.1	29.5
17' 6	Long	57.20	105.00	152.80	26.1	29.5
17' 6	Bead Board	52.42	105.00	157.59	26.1	29.5
17' 8	Short	54.80	106.00	157.20	25.8	29.2
17' 8	Long	55.80	106.00	156.20	25.8	29.2
17' 8	Bead Board	52.92	106.00	159.09	25.8	29.2
17' 10	Short	55.80	107.00	158.20	25.6	28.9
17' 10	Long	56.25	107.00	157.75	25.6	28.9
17' 10	Bead Board	53.42	107.00	160.59	25.6	28.9
18' 0	Short	57.25	108.00	158.75	25.4	28.7
18' 0	Long	57.80	108.00	158.20	25.4	28.7
18' 0	Bead Board	53.92	108.00	162.09	25.4	28.7

TABLE 3

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9'6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	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"

REV	DESCRIPTION OF REVISIONS	DATE	BY
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 4 OF 4