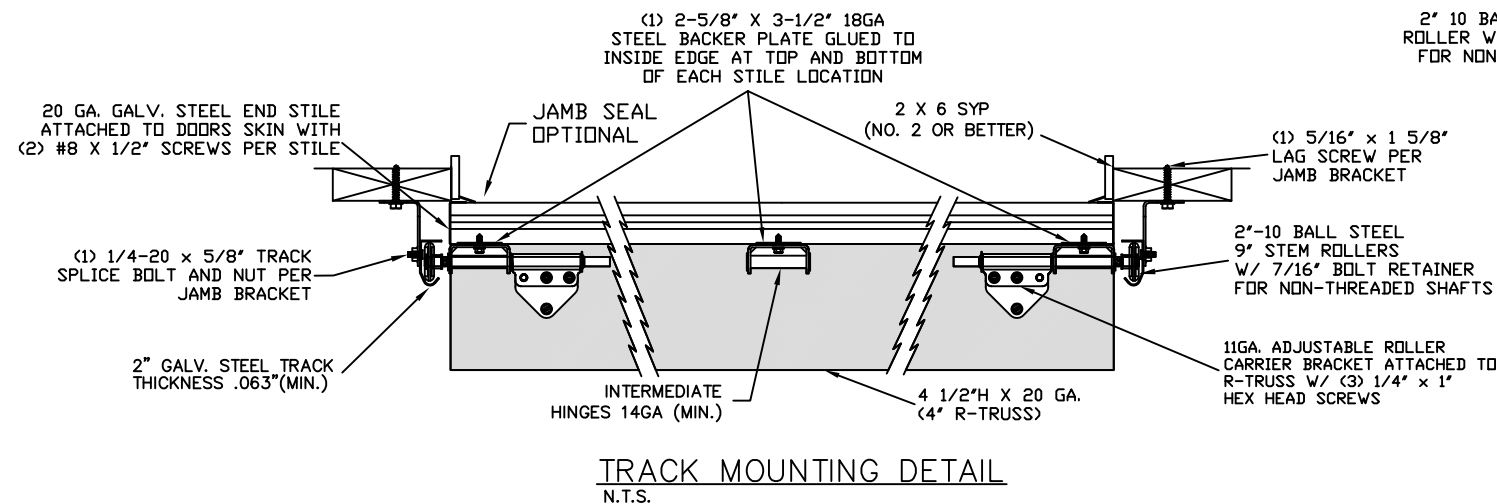
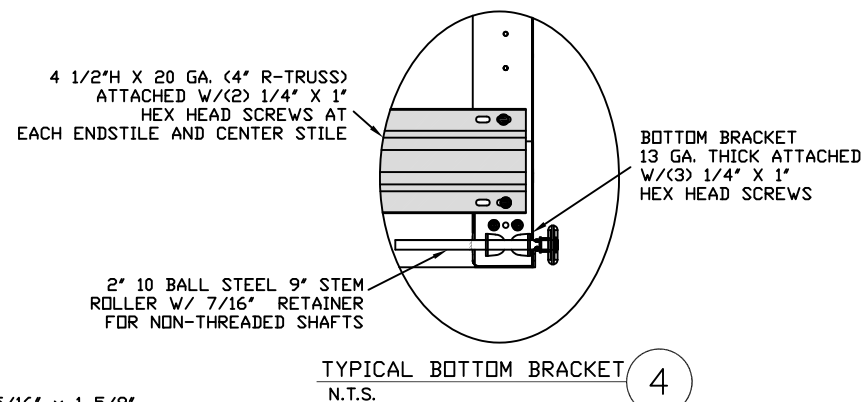
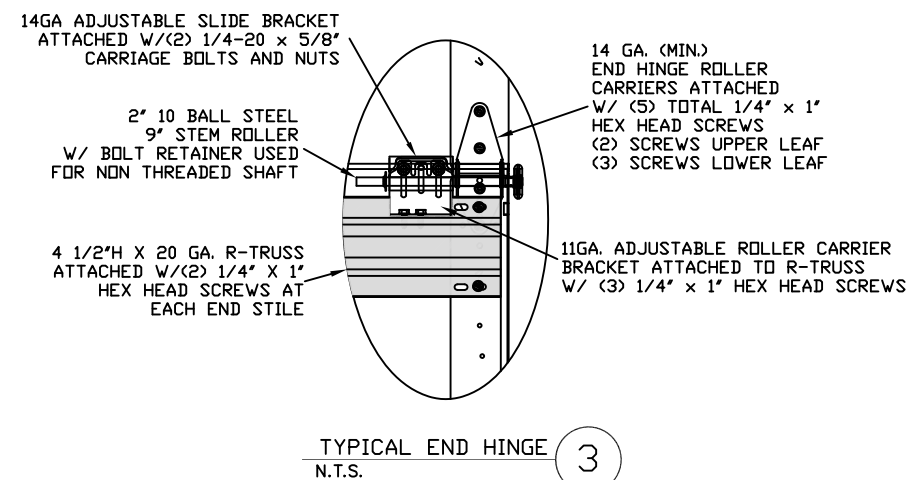
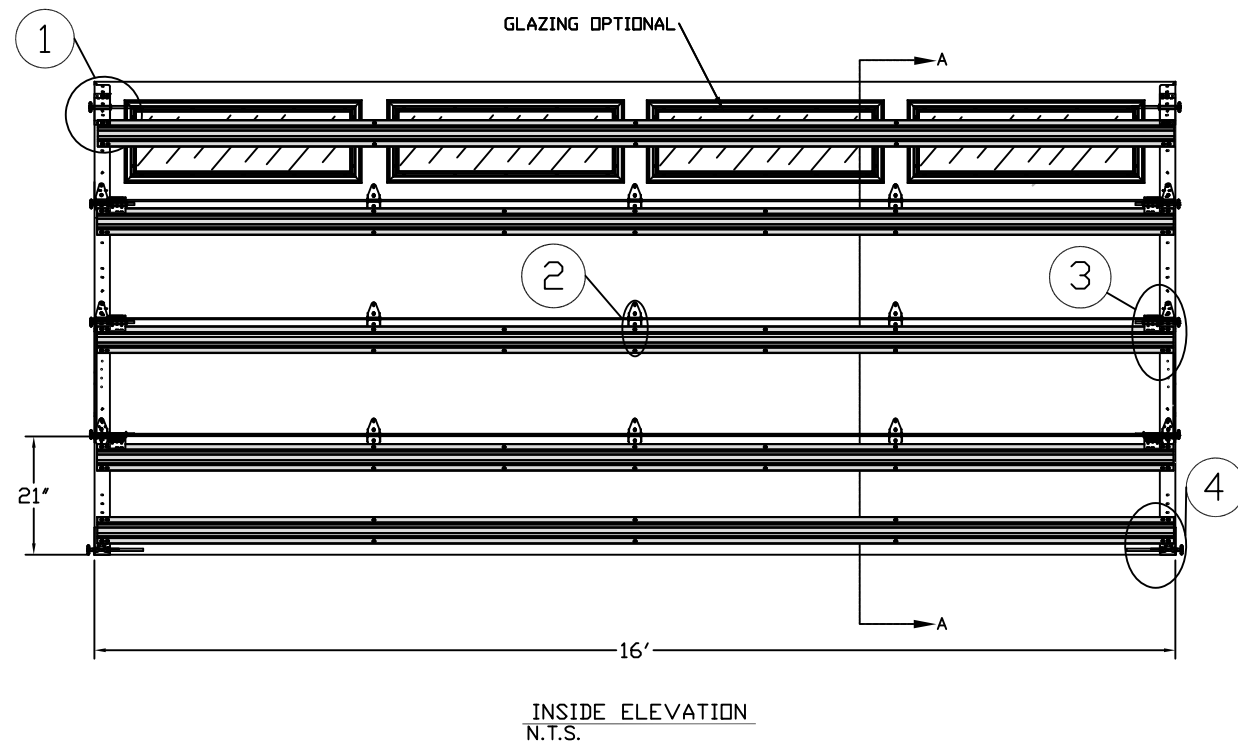
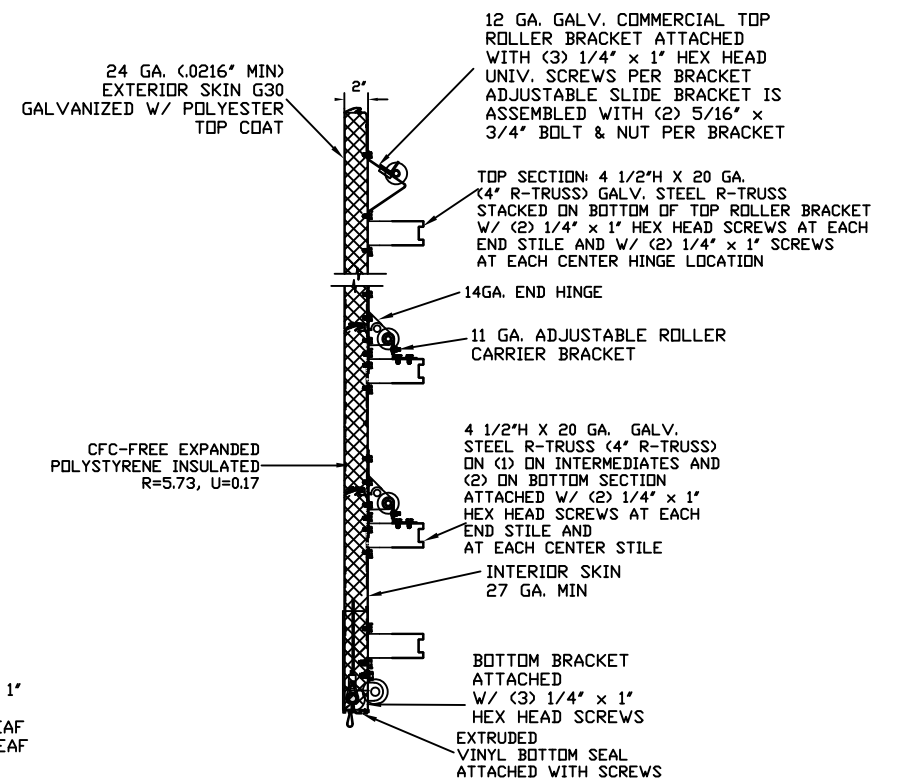
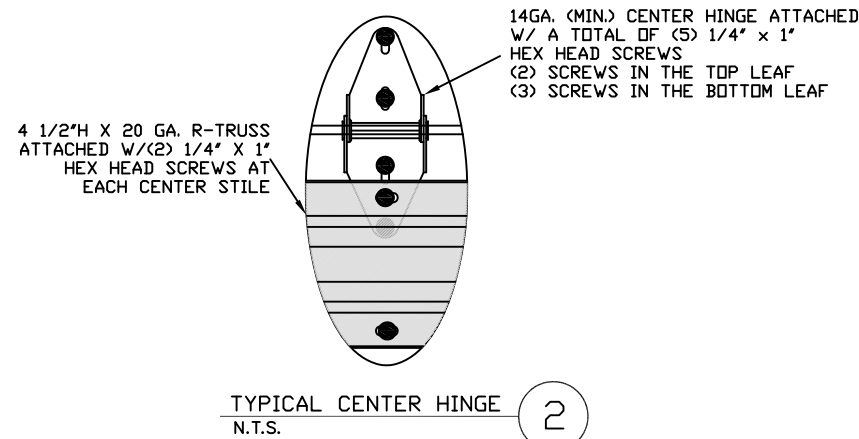
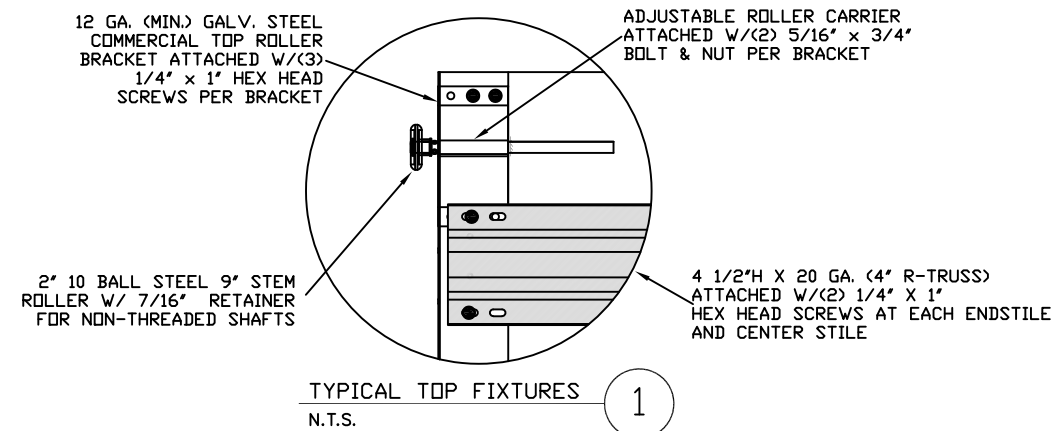




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

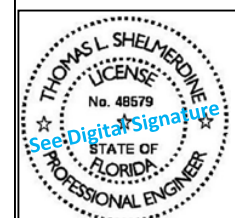
WIND SPEED (MPH)	181	164	156	149	143
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TRACK MOUNTING DETAIL	02-19-24	DLJ

MAX SIZE
16' x 14'

DESIGN LOADS
+29.7 PSF
-33.8 PSF

TEST LOADS
+44.6 PSF
-50.7 PSF



**Thomas L
Shelmerdine**

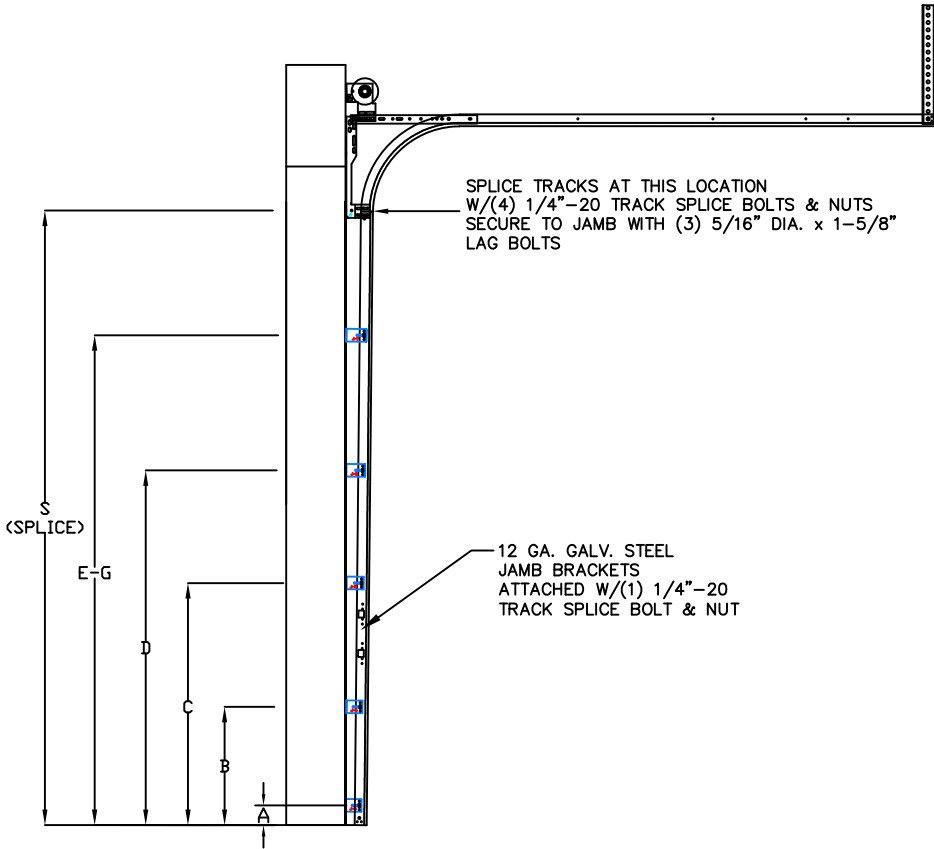
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

FL

Amarr

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

SIZE	DRAWN BY	DRC	DATE	03/09/22	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	03/10/22	IRC-1216-140-24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 4



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

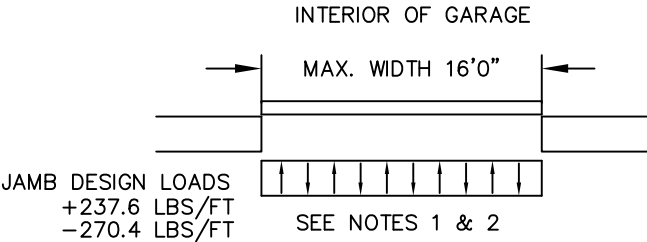
TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT								SPlice
	A	B	C	D	E	F	G	H	
6' 6"	10"	21"	42"	63"					70"
7'	10"	21"	42"	63"					76"
7' 6"	10"	21"	42"	63"					82"
8'	10"	21"	42"	63"					88"
8' 6"	10"	21"	42"	63"	84"				94"
9'	10"	21"	42"	63"	84"				100"
9' 6"	10"	21"	42"	63"	84"				106"
10'	10"	21"	42"	63"	84"	105"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11'	10"	21"	42"	63"	84"	105"			124"
11' 6"	10"	21"	42"	63"	84"	105"			130"
12'	10"	21"	42"	63"	84"	105"	126"		136"
12' 6"	10"	21"	42"	63"	84"	105"	126"		142"
13'	10"	21"	42"	63"	84"	105"	126"		148"
13' 6"	10"	21"	42"	63"	84"	105"	126"	147"	154"
14'	10"	21"	42"	63"	84"	105"	126"	147"	160"

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

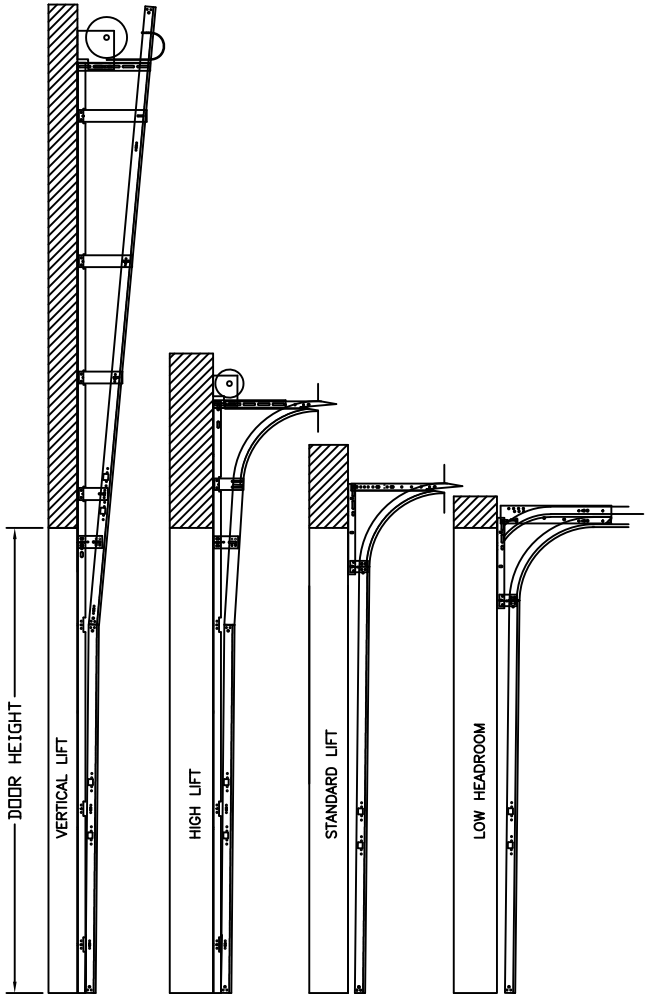
TABLE 2

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"				



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: +237.6 LBS/FT & -270.4 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. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 4.5" R-TRUSS PER SECTION AND (2) 4.5" 20GA R-TRUSSES ON BTM. SECTION
6. DOORS OVER (4) SECTIONS REFER TO TABLES
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



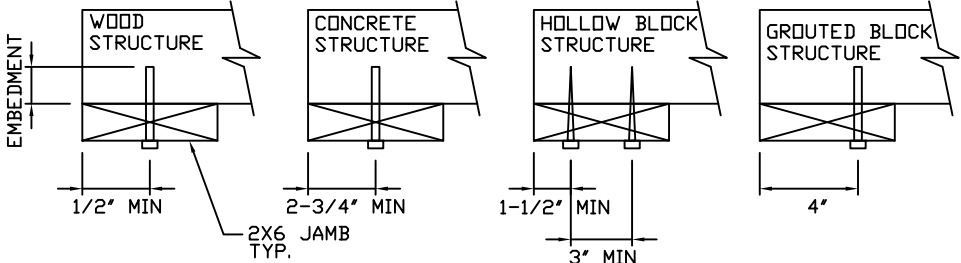
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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
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 20" 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
16' x 14'

DESIGN LOADS
+29.7 PSF
-33.8 PSF

TEST LOADS
+44.6 PSF
-50.7 PSF

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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Amarr

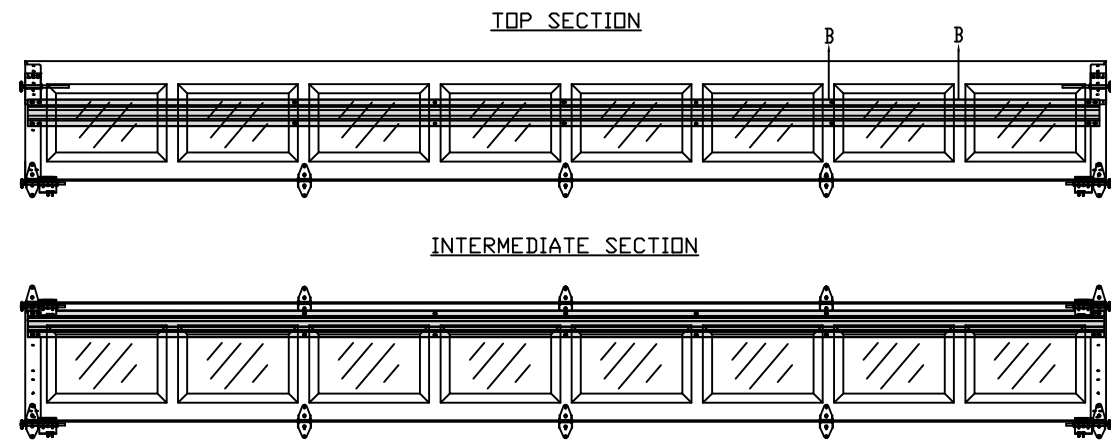
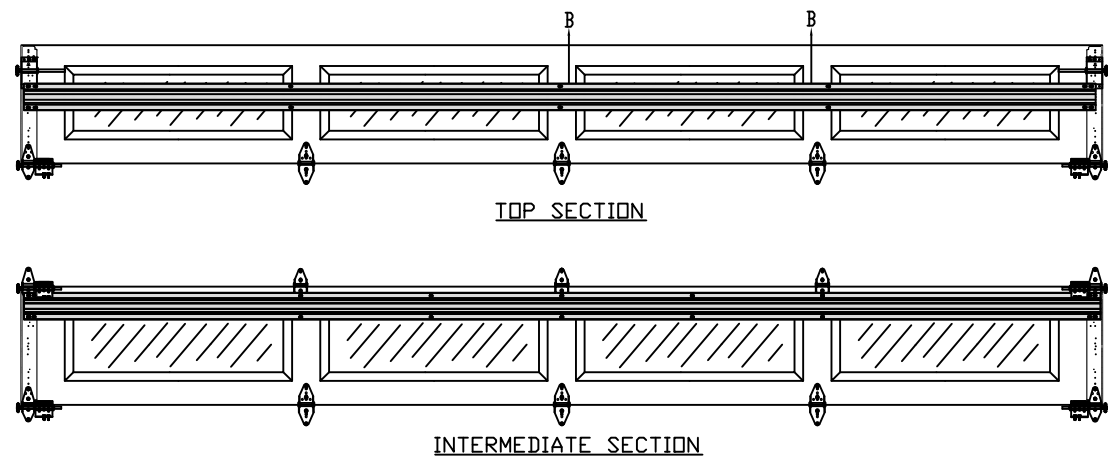
MODEL #1200 AMARR HERITAGE 3000
MODEL #1225 AMARR NORTHWOODS 3000

SIZE	DRAWN BY	DRC	DATE	03/09/22	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	03/10/22	IRC-1216-140-24

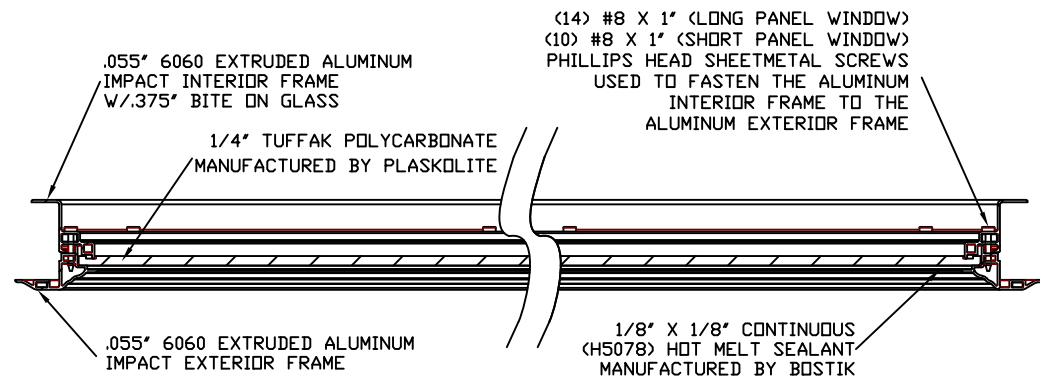
AMARR COMPANY
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 2 OF 4

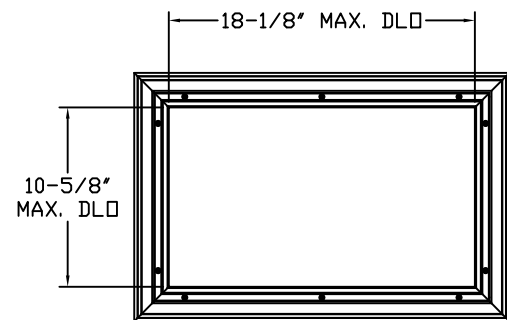
OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS
STRUT SPACERS MAY BE USED ON GLAZED SECTIONS



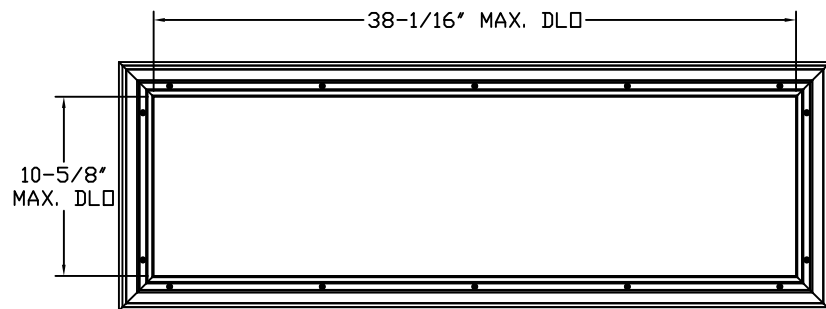
OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT
N.T.S.



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



SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+29.7 PSF
-33.8 PSF

TEST LOADS
+44.6 PSF
-50.7 PSF

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

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MODEL #1200 AMARR HERITAGE 3000 MODEL #1225 AMARR NORTHWOODS 3000			
SIZE B	DRAWN BY DRC	DATE 03/09/22	DRAWING NUMBER IRC-1216-140-24
	CHECKED BY RLR	DATE 03/10/22	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left)			Max Design Loads Allowed	
Width (ft)		1st (in)	2st (in)	3rd (in)	Positive (PSF)	Negative (PSF)
10' 0	Short	48.41	71.59		39.6	45.1
10' 0	Long	30.00	60.00	90.00	47.3	53.8
10' 0	Bead Board	30.63	60.00	89.38	47.3	53.8
12' 0	Short	48.81	72.00	95.19	39.4	44.8
12' 0	Long	49.63	72.00	94.38	39.4	44.8
12' 0	Bead Board	48.31	72.00	95.69	39.4	44.8
12' 2	Short	49.64	73.00	96.36	38.9	44.2
12' 2	Long	50.08	73.00	95.92	38.9	44.2
12' 2	Bead Board	49.06	73.00	96.94	38.9	44.2
12' 4	Short	50.64	74.00	97.36	38.3	43.6
12' 4	Long	51.08	74.00	96.92	38.3	43.6
12' 4	Bead Board	49.81	74.00	98.19	38.3	43.6
12' 6	Short	50.67	75.00	99.33	37.8	43.0
12' 6	Long	51.17	75.00	98.83	37.8	43.0
12' 6	Bead Board	50.56	75.00	99.44	37.8	43.0
12' 8	Short	51.67	76.00	100.33	37.3	42.5
12' 8	Long	52.10	76.00	99.90	37.3	42.5
12' 8	Bead Board	51.31	76.00	100.69	37.3	42.5
12' 10	Short	52.25	77.00	101.75	36.8	41.9
12' 10	Long	53.10	77.00	100.90	36.8	41.9
12' 10	Bead Board	52.06	77.00	101.94	36.8	41.9
13' 0	Short	53.00	78.00	103.00	36.4	41.4
13' 0	Long	54.10	78.00	101.90	36.4	41.4
13' 0	Bead Board	52.81	78.00	103.19	36.4	41.4
13' 2	Short	54.00	79.00	104.00	35.9	40.9
13' 2	Long	55.10	79.00	102.90	35.9	40.9
13' 2	Bead Board	53.56	79.00	104.44	35.9	40.9
13' 4	Short	54.40	80.00	105.60	35.5	40.4
13' 4	Long	54.90	80.00	105.10	35.5	40.4
13' 4	Bead Board	54.31	80.00	105.69	35.5	40.4
13' 6	Short	55.40	81.00	106.60	35.0	39.9
13' 6	Long	55.90	81.00	106.10	35.0	39.9
13' 6	Bead Board	55.06	81.00	106.94	35.0	39.9
13' 8	Short	56.40	82.00	107.60	34.6	39.4
13' 8	Long	56.63	82.00	107.38	34.6	39.4
13' 8	Bead Board	55.81	82.00	108.19	34.6	39.4
13' 10	Short	57.16	83.00	108.71	34.2	38.9
13' 10	Long	57.17	83.00	108.83	34.2	38.9
13' 10	Bead Board	56.56	83.00	109.44	34.2	38.9

TABLE 4

SECTION	STRUT SIZE
TOP	4.5"
7TH	4.5"
6TH	4.5"
5TH	4.5"
4TH	4.5"
3RD	4.5"
2ND	4.5"
BOTTOM	4.5"
	4.5"

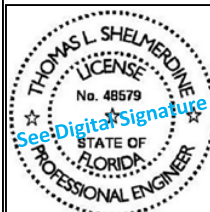
Section	Panel Type	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
Width (ft)		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
14' 0	Short	57.76	84.00	110.11		33.8	38.4
14' 0	Long	58.63	84.00	109.38		33.8	38.4
14' 0	Bead Board	57.31	84.00	110.69		33.8	38.4
14' 2	Short	58.85	85.00	111.41		33.4	38.0
14' 2	Long	59.17	85.00	110.83		33.4	38.0
14' 2	Bead Board	58.06	85.00	111.94		33.4	38.0
14' 4	Short	59.16	86.00	112.71		33.0	37.5
14' 4	Long	60.17	86.00	111.83		33.0	37.5
14' 4	Bead Board	58.81	86.00	113.19		33.0	37.5
14' 6	Short	59.86	87.00	114.01		32.6	37.1
14' 6	Long	61.17	87.00	112.83		32.6	37.1
14' 6	Bead Board	59.56	87.00	114.44		32.6	37.1
14' 8	Short	60.56	88.00	115.31		32.2	36.7
14' 8	Long	44.81	88.00	131.19		32.2	36.7
14' 8	Bead Board	60.31	88.00	115.69		32.2	36.7
14' 10	Short	61.26	89.00	116.61		31.9	36.3
14' 10	Long	45.60	89.00	132.40		31.9	36.3
14' 10	Bead Board	61.06	89.00	116.94		31.9	36.3
15' 0	Short	61.94	90.00	117.94		31.5	35.9
15' 0	Long	46.60	90.00	133.40		31.5	35.9
15' 0	Bead Board	33.63	90.00	146.38		25.2	28.6
15' 2	Short	62.66	91.00	119.21		31.2	35.5
15' 2	Long	47.60	91.00	134.40		31.2	35.5
15' 2	Bead Board	34.13	91.00	147.88		24.9	28.4
15' 4	Short	53.60	79.20	104.80	130.40	30.8	35.1
15' 4	Long	47.25	92.00	136.75		30.8	35.1
15' 4	Bead Board	34.63	92.00	149.38		24.7	28.1
15' 6	Short	46.62	93.00	139.38		30.5	34.7
15' 6	Long	47.60	93.00	138.40		30.5	34.7
15' 6	Bead Board	47.42	93.00	138.58		30.5	34.7
15' 8	Short	47.62	94.00	140.38		30.2	34.3
15' 8	Long	48.60	94.00	139.40		30.2	34.3
15' 8	Bead Board	48.02	94.00	139.98		30.2	34.3
15' 10	Short	48.62	95.00	141.38		29.9	34.0
15' 10	Long	49.17	95.00	140.83		29.9	34.0
15' 10	Bead Board	48.62	95.00	141.38		29.9	34.0
16' 0	Short	49.62	96.00	142.38		29.7	33.8
16' 0	Long	50.60	96.00	141.40		29.7	33.8
16' 0	Bead Board	48.42	96.00	143.58		29.7	33.8

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+29.7 PSF
-33.8 PSF

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

SIZE B	DRAWN BY	DRC	DATE	03/09/22	DRAWING NUMBER IRC-1216-140-24
	CHECKED BY	RLR	DATE	03/10/22	

AMARR COMPANY
165 CARRIAGE COURT, WINSTON-SALEM, NC 27105

SHEET 4 OF 4