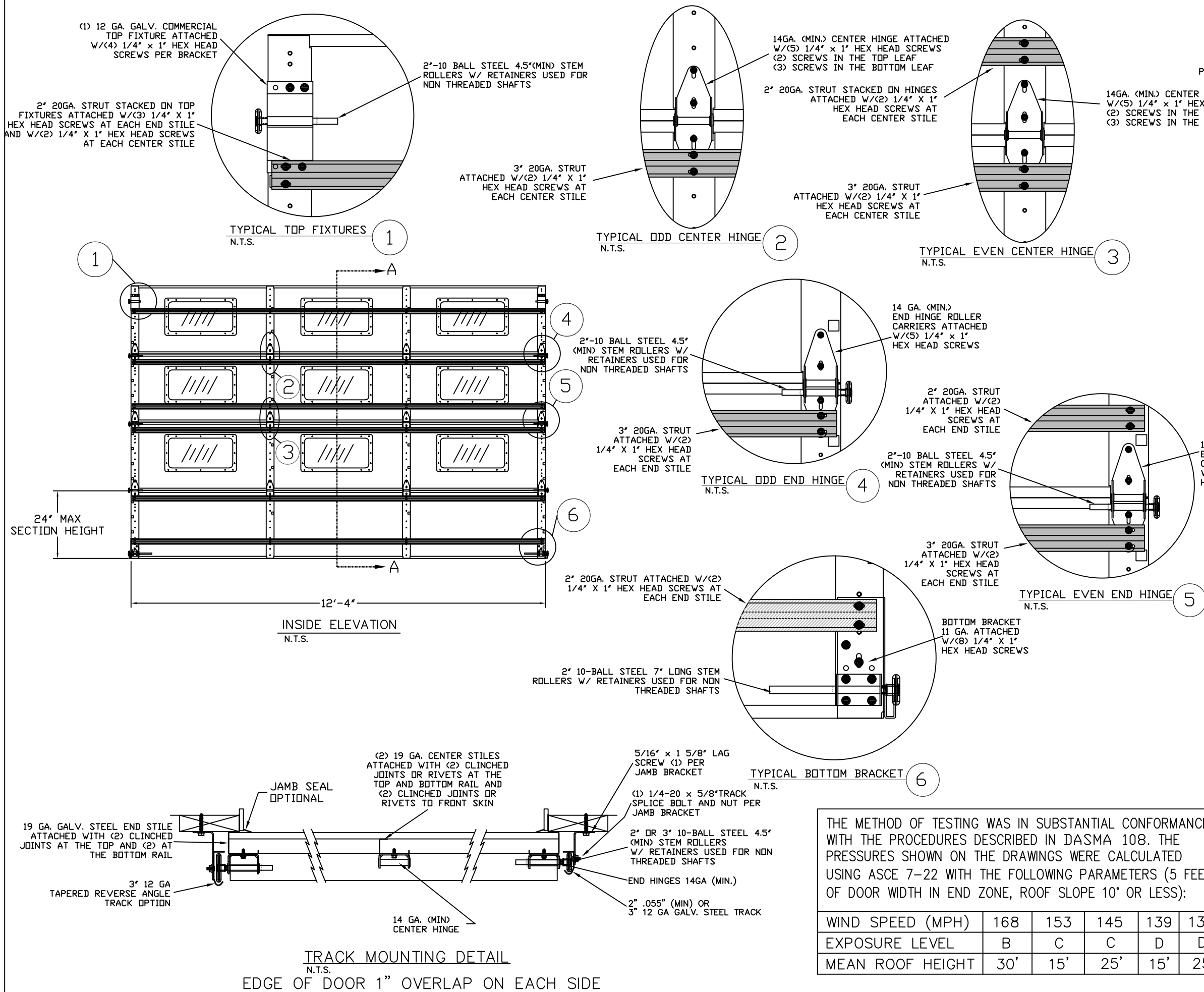




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	168	153	145	139	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
12'4 x 24'

DESIGN LOADS
+23.8 PSF
-27.3 PSF

TEST LOADS
+35.7 PSF
-41.0 PSF

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

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

FL

Amarr

AMARR 2002, 2012, 2022

SIZE B	DRAWN BY DRC	DATE 11/29/23	DRAWING NUMBER IBC-2012-130-15
CHECKED BY RLR	DATE 04/09/24		

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

SHEET 1 OF 4

1/8" NOM X 1" LONG
FILLET WELD (E60xx
ELECTRODES MIN.)

1/4" LONG TACK
WELD SAME SPACING
AS FILLET WELD

The diagram shows a cross-section of a fillet weld joint between two plates. The weld is labeled with dimensions and electrode specifications. A line points from the text '1/8" NOM X 1" LONG FILLET WELD (E60xx ELECTRODES MIN.)' to the weld metal. Another line points from the text '1/4" LONG TACK WELD SAME SPACING AS FILLET WELD' to a tack weld on the same joint. The joint is shown in a perspective view with a side elevation.

2000 PSI MIN.
CONCRETE

SIMPSON STRONG-TIE
3/8"Ø SLEEVE-ALL
EXPANSION ANCHOR WITH
7/8"Ø WASHER. 1-3/4"MIN.
EMBEDMENT

2-5/8" THICK
WALL MIN.
(1.5 x EMBEDMENT)

3" MIN. EDGE
DISTANCE

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:
+146.8 LBS/FT & -168.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 20 GA. (.034) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 24'0" HIGH USE (1) 3" 20GA STRUT ON TOP OF BOTTOM AND EACH INTERMEDIATE SECTION AND (1) 2" 20GA STRUT ON BOTTOM OF BOTTOM SECTION AND EVERY ODD INTERMEDIATE SECTION AND (1) 2" 20GA STRUT ON TOP SECTION.
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

The technical drawings illustrate the required embedment and spacing for 2x6 Jamb Typ. into two types of structures:

- WOOD STRUCTURE:** The drawing shows a cross-section of a wood structure with a 2x6 jamb embedded into it. The embedment depth is indicated by three arrows and labeled "EMBEDMENT". The minimum spacing between the jamb and the structure is labeled "1/2\" MIN".
- HOLLOW BLOCK STRUCTURE:** The drawing shows a cross-section of a hollow block structure with two 2x6 jamb embedded into it. The minimum spacing between the jamb and the structure is labeled "1-1/2\" MIN". The minimum spacing between the two jamb is labeled "2\" MIN".

The diagram illustrates the required embedment length for a post in two types of structures:

- CONCRETE STRUCTURE:** The post is embedded into a concrete structure. The required embedment length is indicated as $2-3/4'$ MIN.
- GROUTED BLOCK STRUCTURE:** The post is embedded into a grouted block structure. The required embedment length is indicated as $4'$.

1"

BRACKET MOUNT

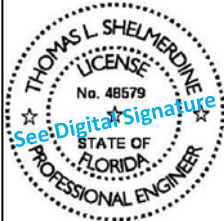
Diagram illustrating a continuous angle mount. A horizontal pipe is shown with a vertical support structure. A sliding bracket is attached to the pipe, and a vertical rod is shown passing through the bracket. The diagram is labeled "CONTINUOUS ANGLE MOUNT".

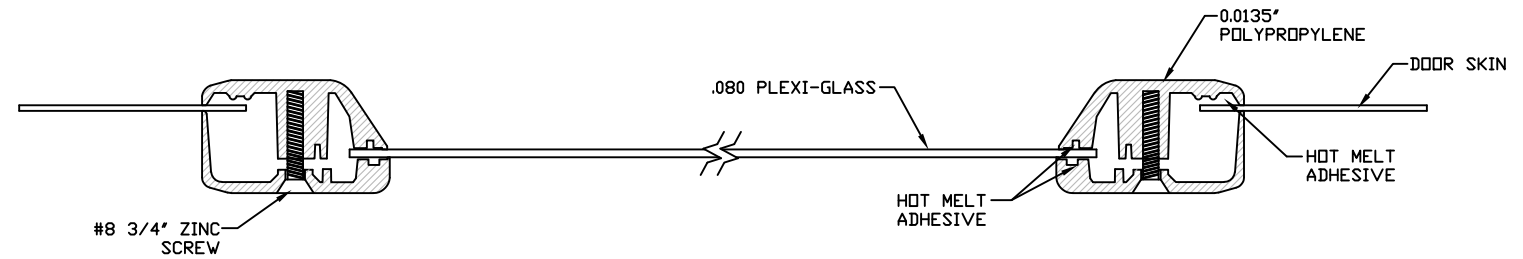
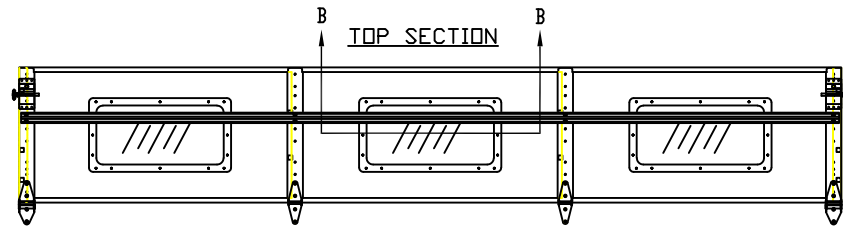
Diagram illustrating a Reverse Angle Mount. The diagram shows a horizontal beam with a vertical support structure. A spring is attached to the beam, and a dimension of 1' is indicated. The text "REVERSE ANGLE MOUNT" is written below the diagram.

DESIGN LOADS
+146.8 LBS/FT
-168.4 LBS/FT

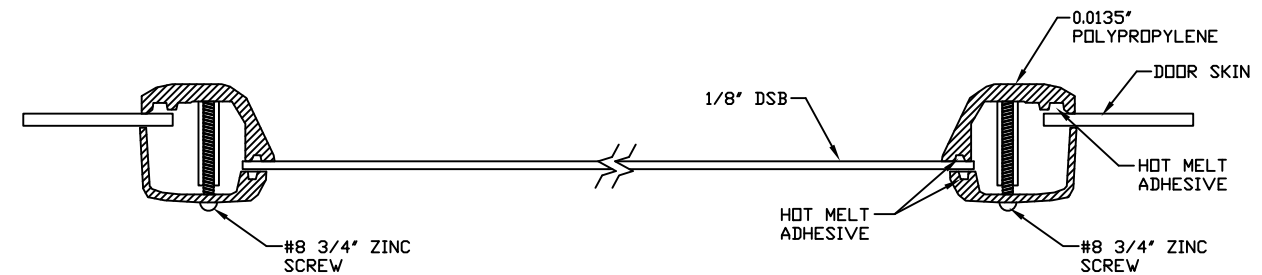
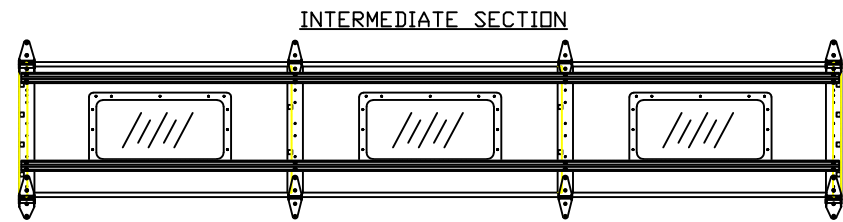
SEE NOTE 2



REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'4 x 24' DESIGN LOADS +23.8 PSF -27.3 PSF TEST LOADS +35.7 PSF -41.0 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 2002, 2012, 2022			
SIZE	DRAWN BY	DRC	DATE 11/29/23
B	CHECKED BY	RLR	DATE 04/09/24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			DRAWING NUMBER IBC-2012-130-15
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			SHEET 2 OF 4

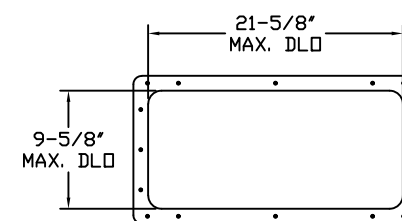
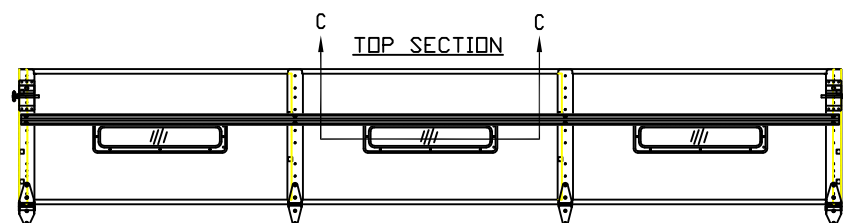


SECTION B-B 24' X 12' WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.

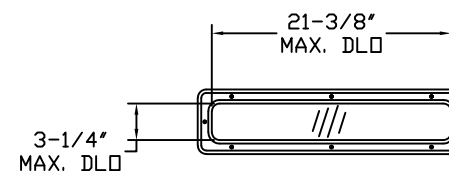
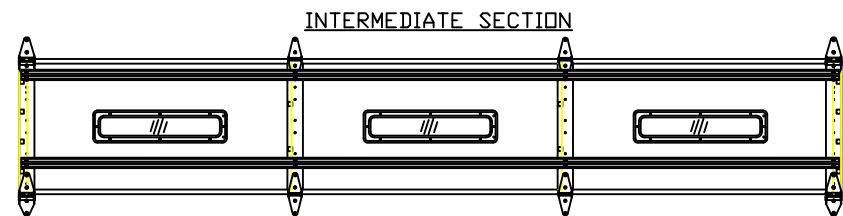


SECTION C-C 24' X 6' WINDOW DETAIL
N.T.S.

OPTIONAL GLAZED SECTION W/ 24' X 12' WINDOWS AND STRUT LAYOUT
N.T.S.



24' X 12' DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



24' X 6' DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

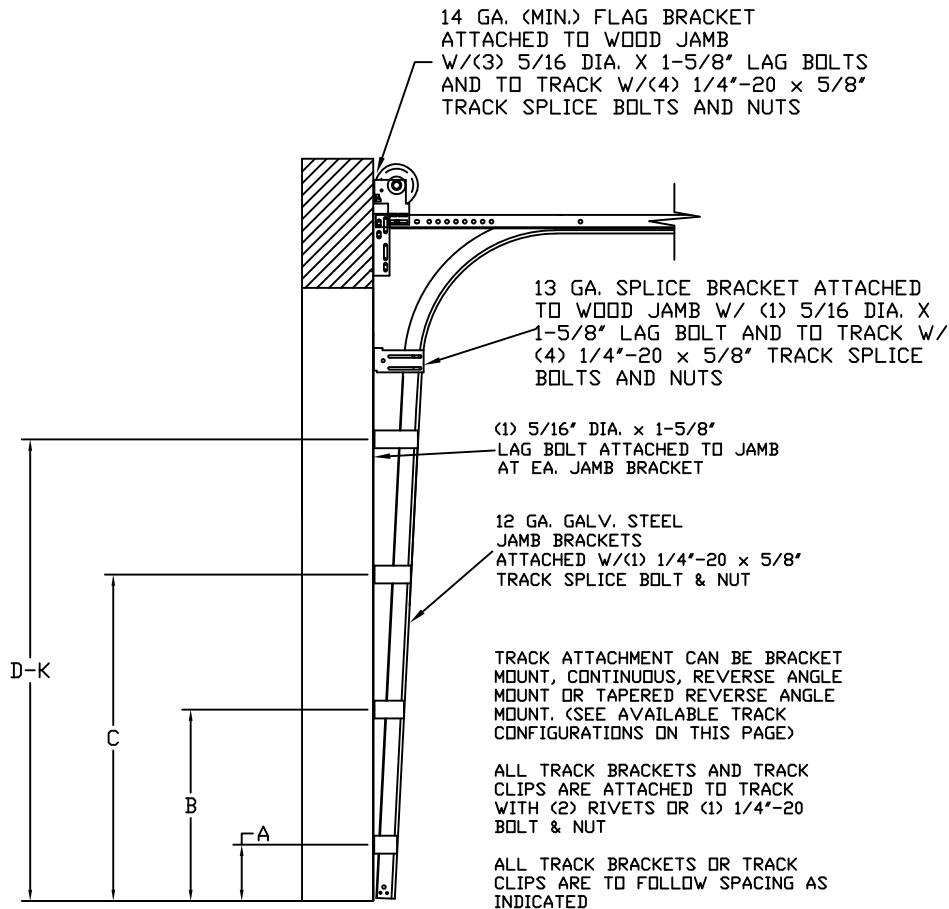
OPTIONAL GLAZED SECTION W/ 24' X 6' WINDOWS AND STRUT LAYOUT
N.T.S.

GLAZING AVAILABLE IN ANY
SECTION COMBINATION, EXCLUDING
THE BOTTOM SECTION

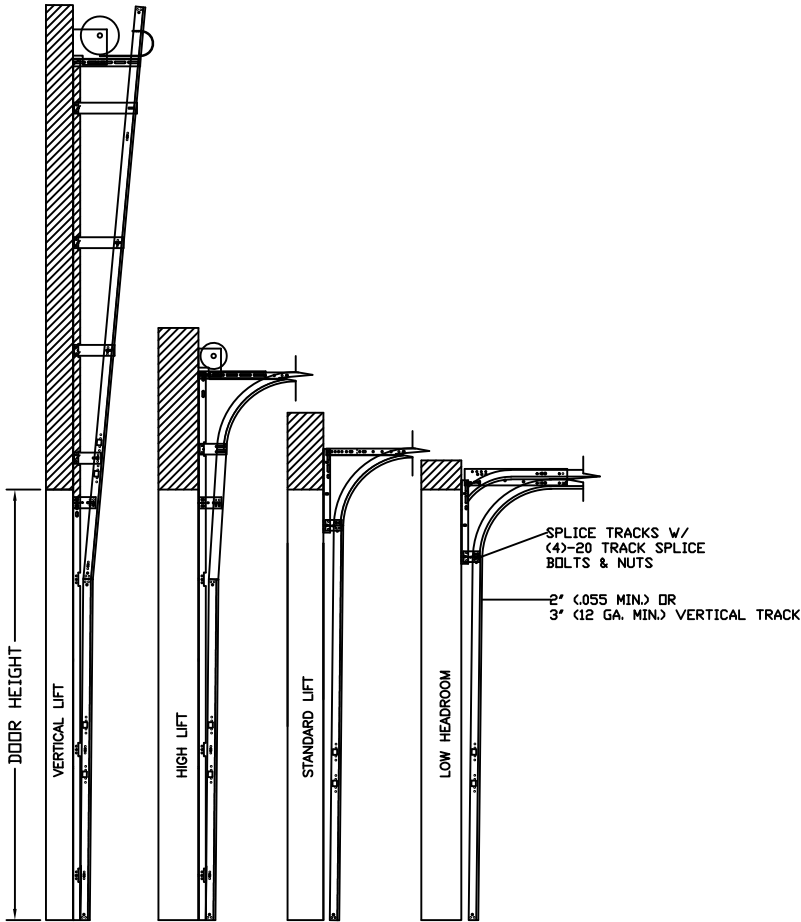
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'4 x 24' DESIGN LOADS +23.8 PSF -27.3 PSF TEST LOADS +35.7 PSF -41.0 PSF		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature 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 2002, 2012, 2022			
SIZE	DRAWN BY	DRC	DATE
B			11/29/23
	CHECKED BY	RLR	DATE
			04/09/24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2012-130-15
			SHEET 3 OF 4

TABLE 1

Section Width (ft)		Center Stile Locations		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	32.3	37.1
6'	2"	37"	-	31.5	36.1
6'	4"	38"	-	30.6	35.2
6'	6"	39"	-	29.9	34.3
6'	8"	40"	-	29.1	33.4
6'	10"	41"	-	28.4	32.6
7'	0"	42"	-	27.7	31.8
7'	2"	43"	-	27.1	31.1
7'	4"	44"	-	26.5	30.4
7'	6"	45"	-	25.9	29.7
7'	8"	46"	-	25.3	29.0
7'	10"	47"	-	24.8	28.4
8'	0"	48"	-	24.2	27.8
8'	2"	49"	-	23.8	27.3
8'	4"	50"	-	23.3	26.7
8'	6"	51"	-	22.8	26.2
8'	8"	52"	-	22.4	25.7
8'	10"	53"	-	22.0	25.2
9'	0"	54"	-	21.5	24.7
9'	2"	37"	73"	31.9	36.6
9'	4"	36"	76"	30.5	35.0
9'	6"	37"	77"	30.1	34.5
9'	8"	38"	78"	29.7	34.1
9'	10"	39"	79"	29.3	33.6
10'	0"	40"	80"	29.0	33.2
10'	2"	41"	81"	28.6	32.8
10'	4"	42"	82"	28.2	32.4
10'	6"	43"	83"	27.8	31.9
10'	8"	44"	84"	27.3	31.4
10'	10"	45"	85"	26.9	30.9
11'	0"	46"	86"	26.5	30.4
11'	2"	47"	87"	26.1	30.0
11'	4"	48"	88"	25.7	29.5
11'	6"	49"	89"	25.3	29.1
11'	8"	50"	90"	25.0	28.7
11'	10"	51"	91"	24.6	28.3
12'	0"	48"	96"	24.1	27.7
12'	2"	49"	97"	23.9	27.4
12'	4"	50"	98"	23.8	27.3



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 3

SECTION	
TOP	2"
11TH	3"
10TH	2"
9TH	3"
8TH	2"
7TH	3"
6TH	2"
5TH	3"
4TH	2"
3RD	3"
2ND	2"
BTM	3"
	2"

TABLE 2

DOOR HEIGHT		TRACK ATTACHMENT											TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	
7'	0"	10"	34"	58"									76"
7'	6"	10"	34"	58"									82"
8'	0"	10"	34"	58"									88"
8'	6"	10"	34"	58"	82"								94"
9'	0"	10"	34"	58"	82"								100"
9'	6"	10"	34"	58"	82"								106"
10'	0"	10"	34"	58"	82"								112"
11'	0"	10"	34"	58"	82"	106"							124"
12'	0"	10"	34"	58"	82"	106"							136"
13'	0"	10"	34"	58"	82"	106"	130"						148"
14'	0"	10"	34"	58"	82"	106"	130"						160"
15'	0"	10"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'	0"	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

REVDESCRIPTION OF REVISIONSDATEBY

MAX SIZE
12'4" x 24'

DESIGN LOADS
+23.8 PSF
-27.3 PSF

TEST LOADS
+35.7 PSF
-41.0 PSF

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IBC-2012-130-15

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

SHEET 4 OF 4