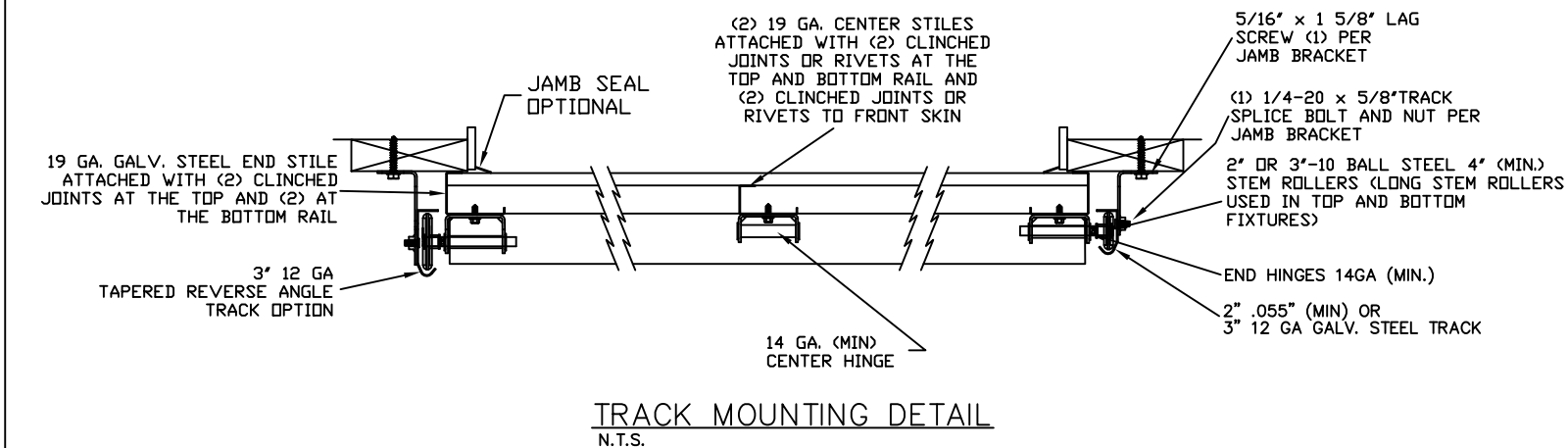
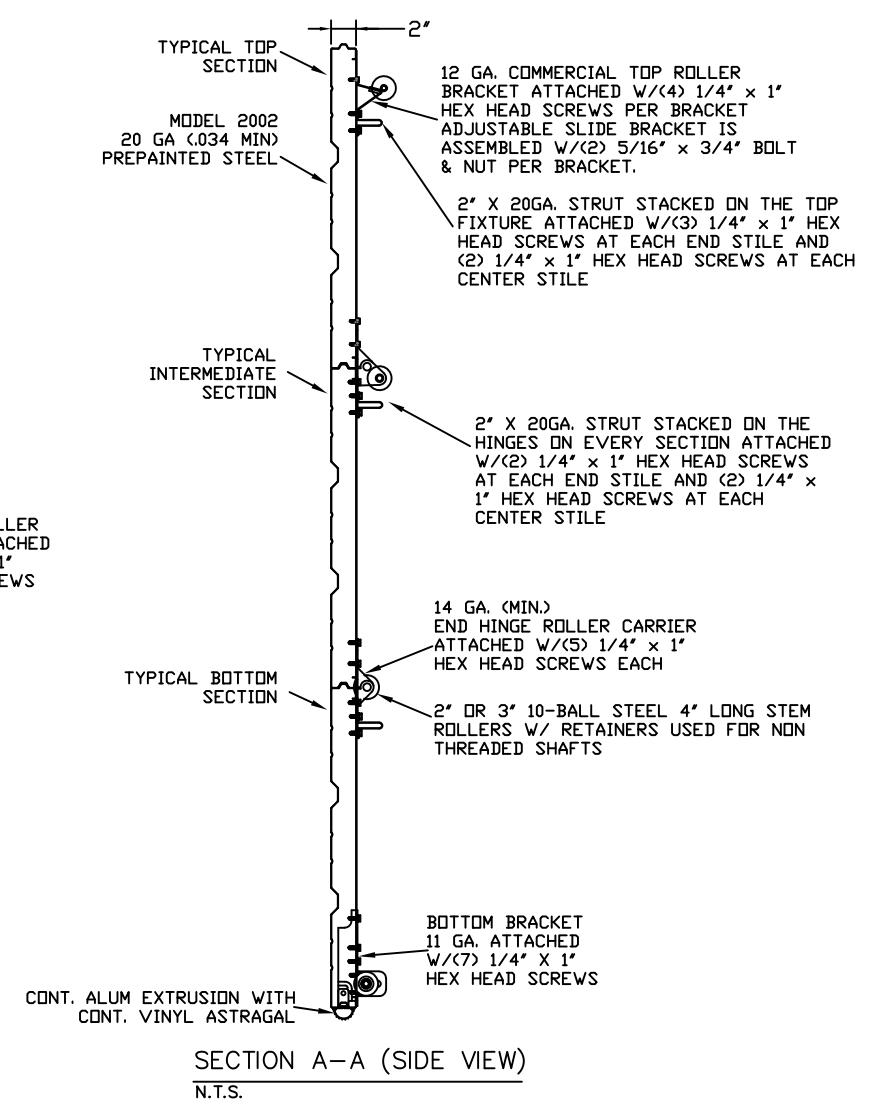
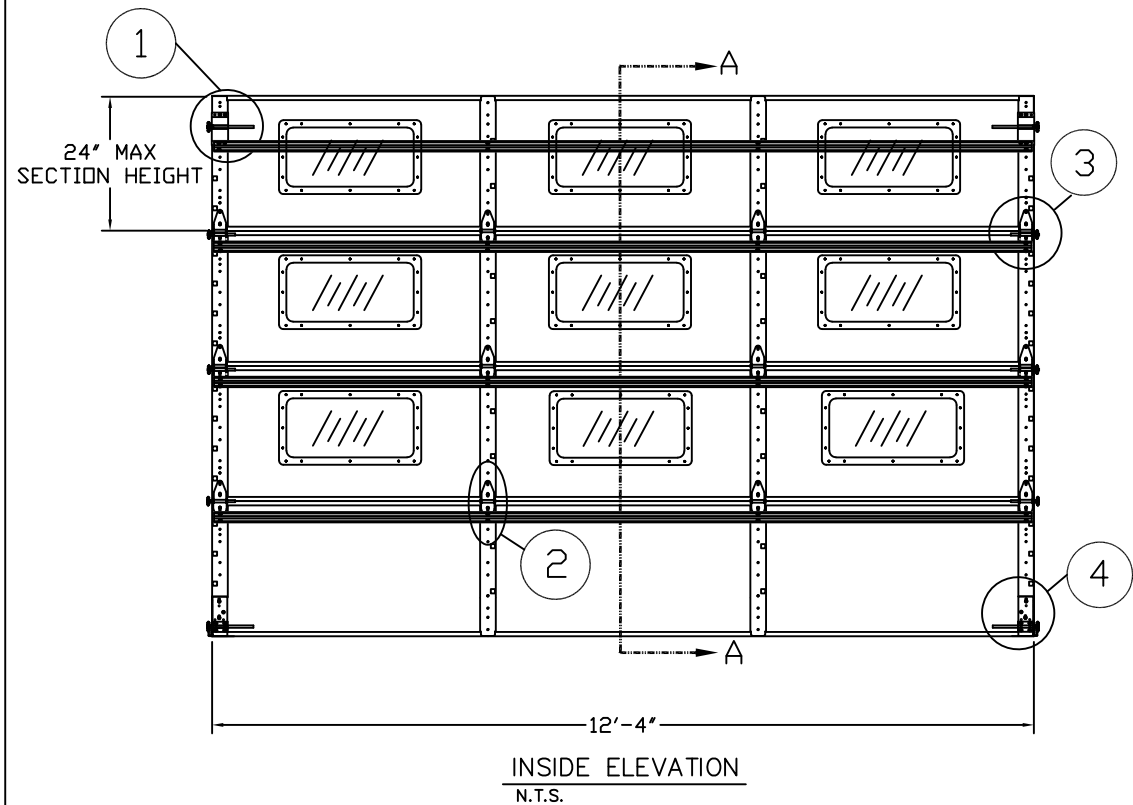
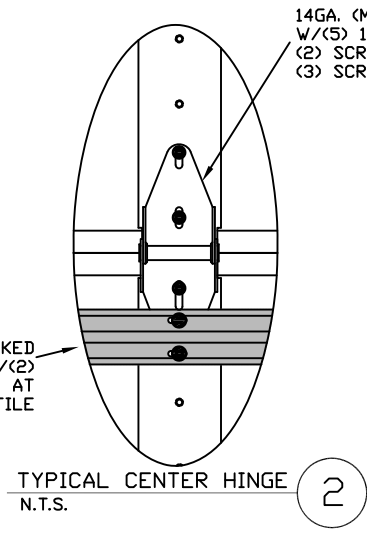
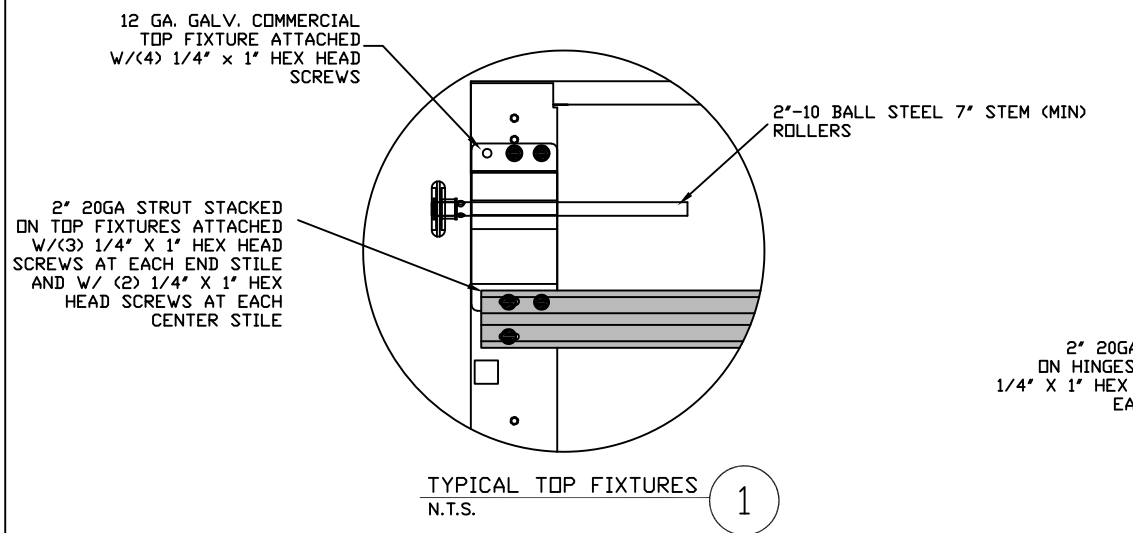




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	135	122	116	111	107
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
+15.3 PSF
-17.6 PSF

TEST LOADS
+22.9 PSF
-26.4 PSF

THOMAS L. SHELMERDINE
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 2002, 2012, 2022				
SIZE B	DRAWN BY DRC	DATE 11/29/23	DRAWING NUMBER IBC-2012-104-11	
	CHECKED BY RLR	DATE 04/09/23		
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 4	

EDGE OF DOOR 1" OVERLAP ON EACH SIDE

ITW BUILDLEX 1/4"-14 X 3/4" SELF-TAPPING SCREWS (TEKS)

12 GA. OR 3/16" STEEL (SEE BELOW)

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

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

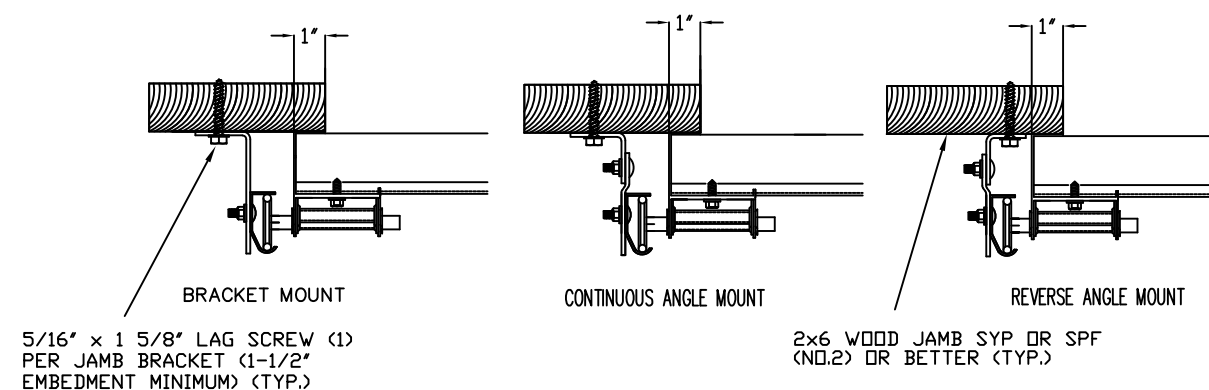
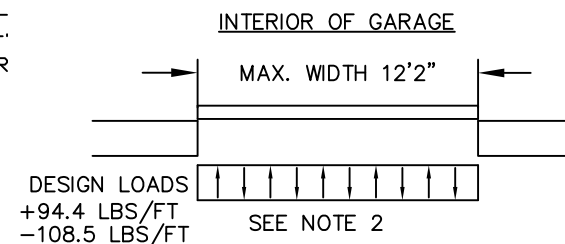
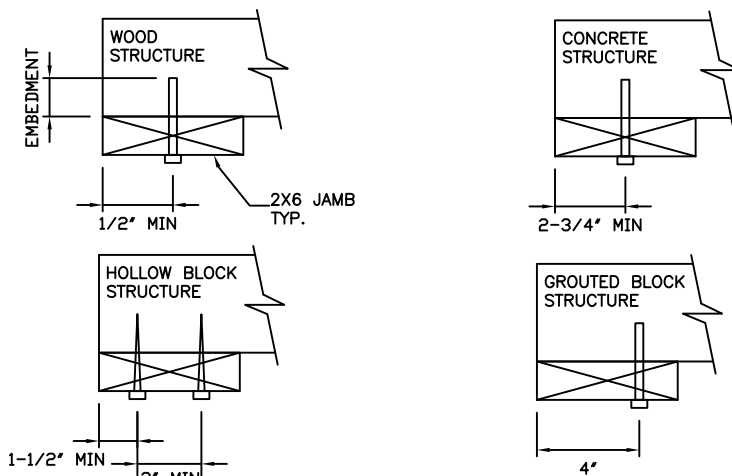
The diagram shows a cross-section of a fillet weld joint between two plates. The weld is labeled with dimensions and electrode specifications. A line points from the text '1/8" NOM X 1" LONG FILLET WELD (E60xx ELECTRODES MIN.)' to the weld metal. Another line points from the text '1/4" LONG TACK WELD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

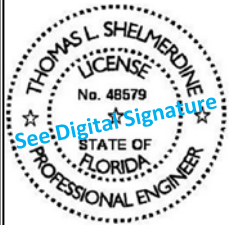
2000 PSI MIN.
CONCRETE

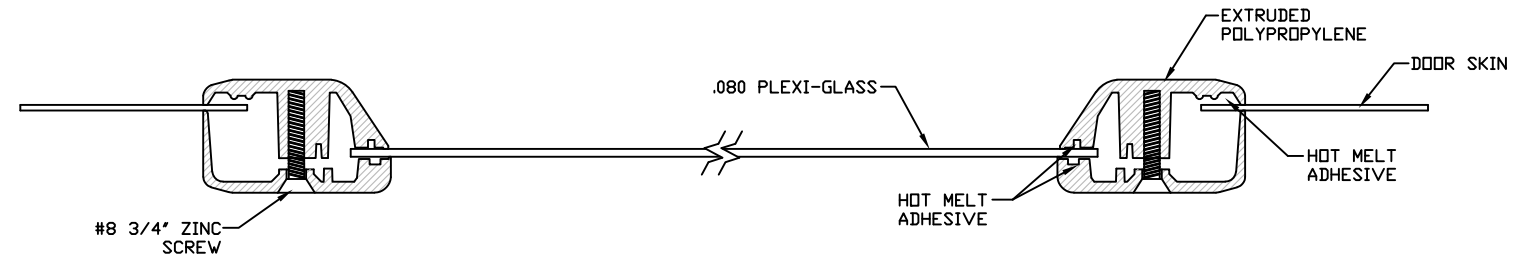
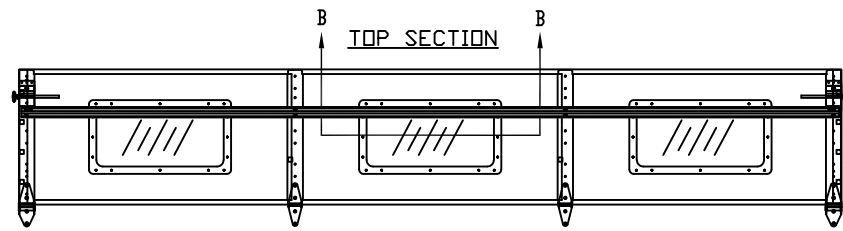
SIMPSON STRONG-TIE
3/8"Ø SLEEVE-ALL
EXPANSION ANCHOR WITH
7/8"Ø WASHER. 1-3/4" MIN.
EMBEDMENT

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

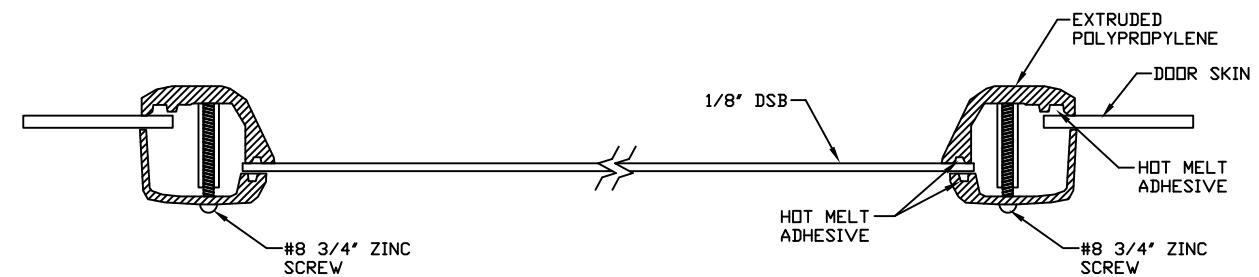
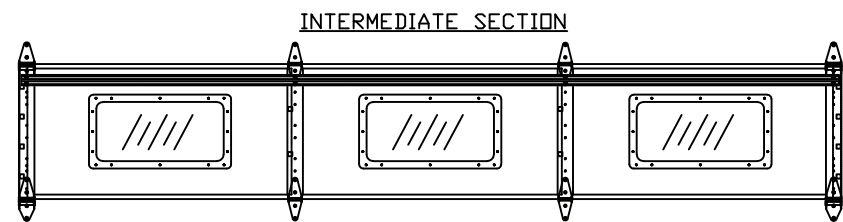
3" MIN. EDGE
DISTANCE



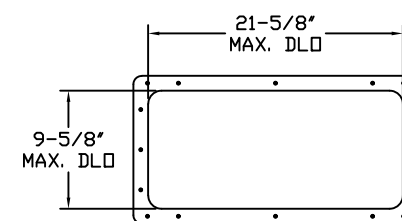
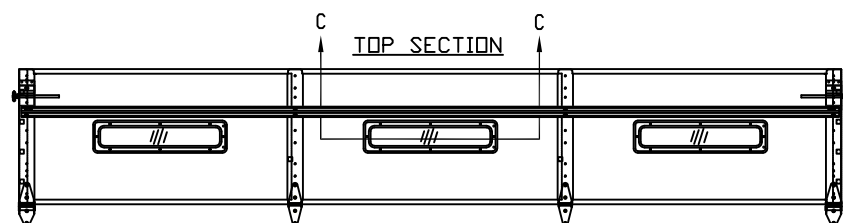
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'4 x 24' DESIGN LOADS +15.3 PSF -17.6 PSF TEST LOADS +22.9 PSF -26.4 PSF	 Thomas L. Sheldermine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 This document has been digitally signed & sealed by Thomas L. Sheldermine, 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. FL		
			
AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	DRC	DATE 11/29/23
B	CHECKED BY	RLR	DATE 04/09/23
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2012-104-11
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 4



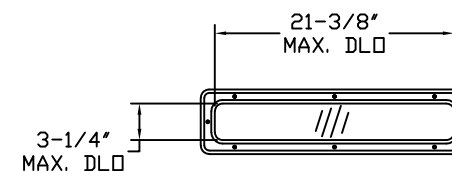
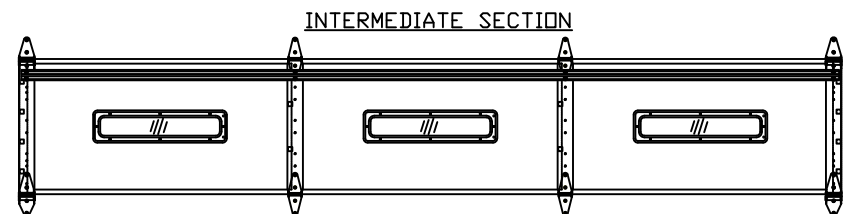
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



SECTION C-C 24" X 6" WINDOW DETAIL
N.T.S.



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 12" WINDOWS AND STRUT LAYOUT
N.T.S.

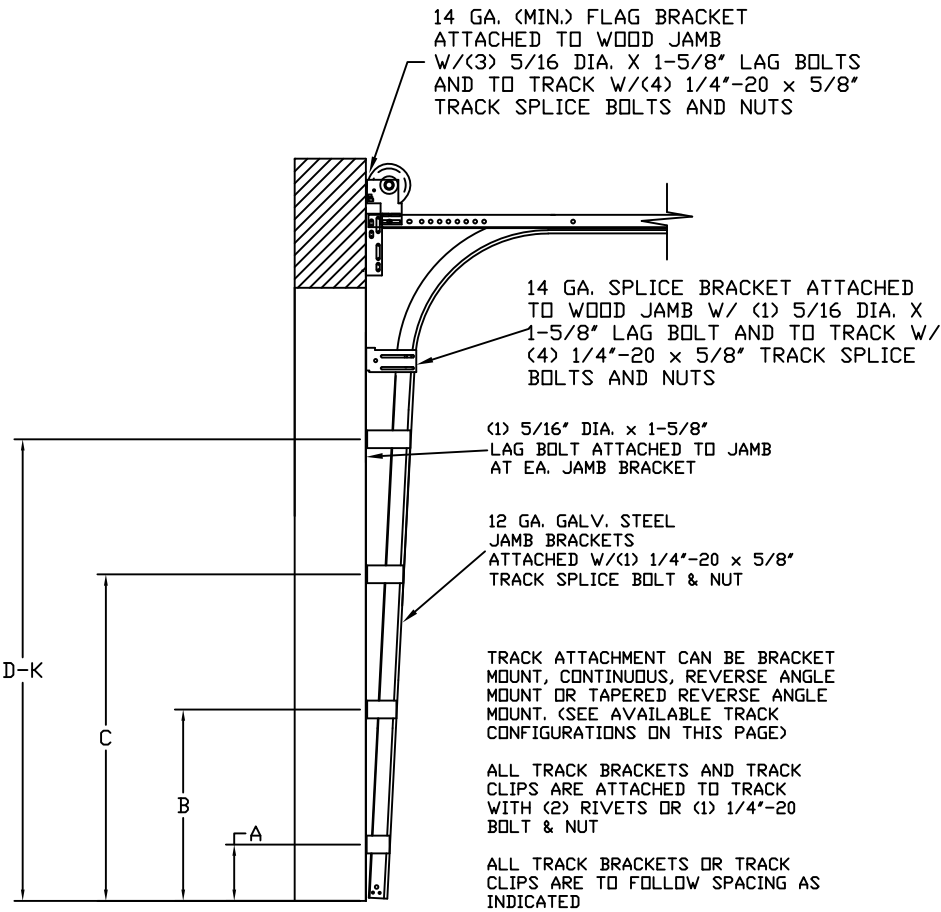
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.

GLAZING AVAILABLE IN ANY
SECTION COMBINATION, EXCLUDING
THE BOTTOM SECTION

REV	DESCRIPTION OF REVISIONS	DATE	BY		
MAX SIZE, 12'4 x 24' DESIGN LOADS +15.3 PSF -17.6 PSF TEST LOADS +22.9 PSF -26.4 PSF		THOMAS L. SHELMERDINE LICENSE No. 48579 See Digital Signature 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. FL			
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					
Amarr					
AMARR 2002, 2012, 2022					
SIZE	DRAWN BY	DRC	DATE	11/29/23	DRAWING NUMBER IBC-2012-104-11
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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					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"	-	20.8	23.9
6'	2"	37"	-	20.2	23.3
6'	4"	38"	-	19.7	22.6
6'	6"	39"	-	19.2	22.1
6'	8"	40"	-	18.7	21.5
6'	10"	41"	-	18.2	21.0
7'	0"	42"	-	17.8	20.5
7'	2"	43"	-	17.4	20.0
7'	4"	44"	-	17.0	19.6
7'	6"	45"	-	16.6	19.1
7'	8"	46"	-	16.2	18.7
7'	10"	47"	-	15.9	18.3
8'	0"	48"	-	15.6	17.9
8'	2"	49"	-	15.3	17.6
8'	4"	50"	-	14.9	17.2
8'	6"	51"	-	14.7	16.9
8'	8"	52"	-	14.4	16.5
8'	10"	53"	-	14.1	16.2
9'	0"	54"	-	13.8	15.9
9'	2"	37"	73"	20.5	23.6
9'	4"	36"	76"	19.6	22.5
9'	6"	37"	77"	19.3	22.2
9'	8"	38"	78"	19.1	22.0
9'	10"	39"	79"	18.8	21.7
10'	0"	40"	80"	18.6	21.4
10'	2"	41"	81"	18.4	21.1
10'	4"	42"	82"	18.1	20.9
10'	6"	43"	83"	17.8	20.5
10'	8"	44"	84"	17.6	20.2
10'	10"	45"	85"	17.3	19.9
11'	0"	46"	86"	17.0	19.6
11'	2"	47"	87"	16.8	19.3
11'	4"	48"	88"	16.5	19.0
11'	6"	49"	89"	16.3	18.7
11'	8"	50"	90"	16.0	18.5
11'	10"	51"	91"	15.8	18.2
12'	0"	48"	96"	15.5	17.8
12'	2"	49"	97"	15.4	17.7
12'	4"	50"	98"	15.3	17.6



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

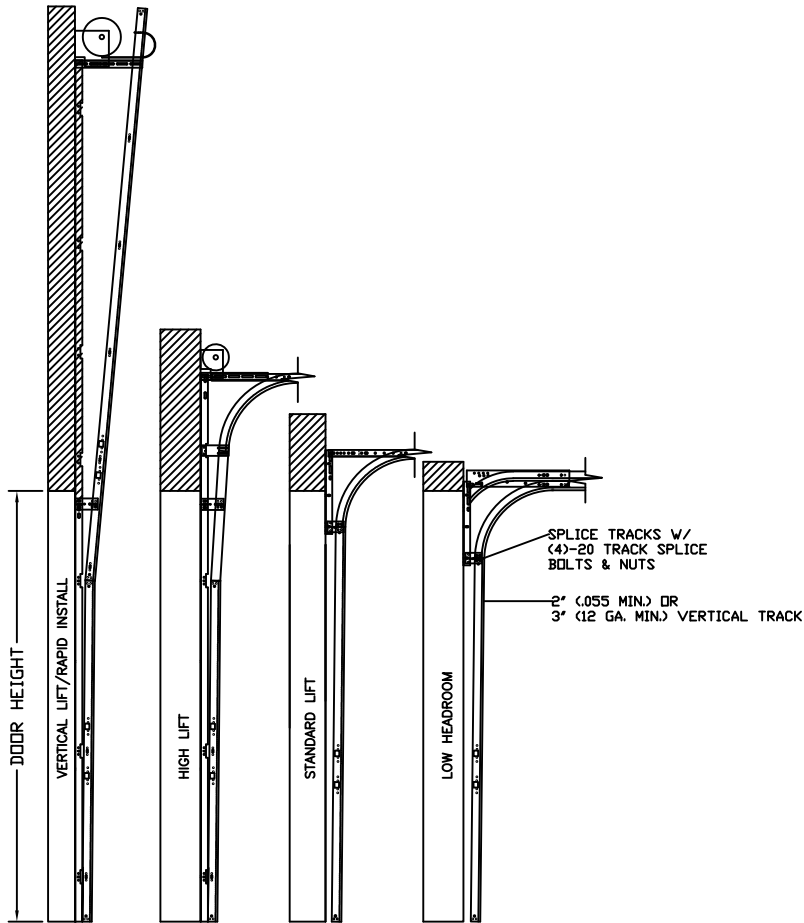
TABLE 2

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"
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

TABLE 3

SECTION	
12TH	2"
11TH	2"
10TH	2"
9TH	2"
8TH	2"
7TH	2"
6TH	2"
5TH	2"
4TH	2"
3RD	2"
2ND	2"
BTM	2"



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV

DESCRIPTION OF REVISIONS

DATE

BY

MAX SIZE
12'4 x 24'

DESIGN LOADS
+15.3 PSF
-17.6 PSF

TEST LOADS
+22.9 PSF
-26.4 PSF

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

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FL

Amarr

AMARR 2002, 2012, 2022

SIZE
B

DRAWN BY
DRC

DATE
11/29/23

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RLR

DATE
04/09/23

DRAWING NUMBER
IBC-2012-104-11

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

SHEET 4 OF 4