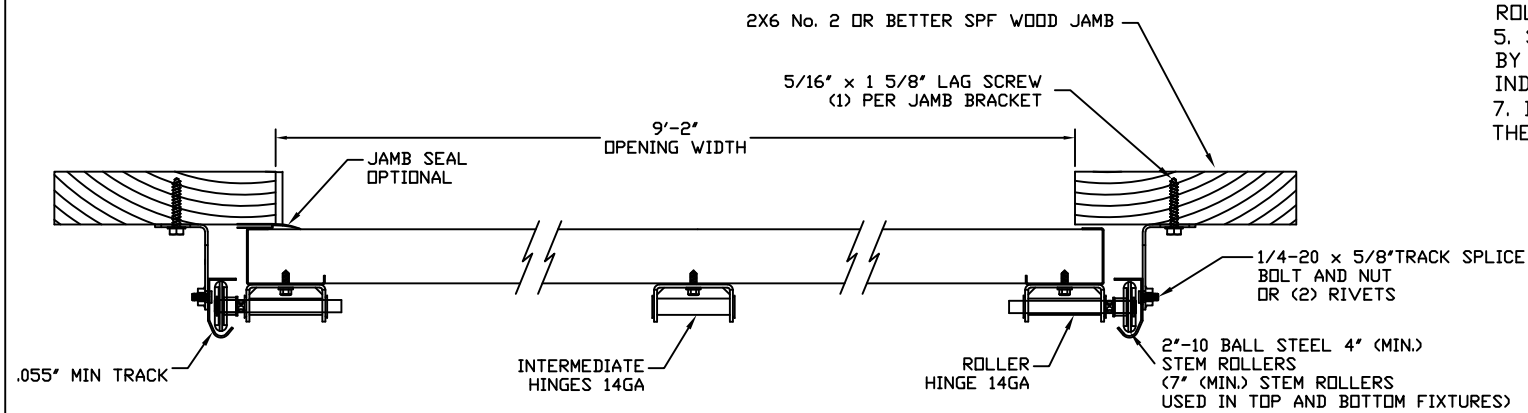
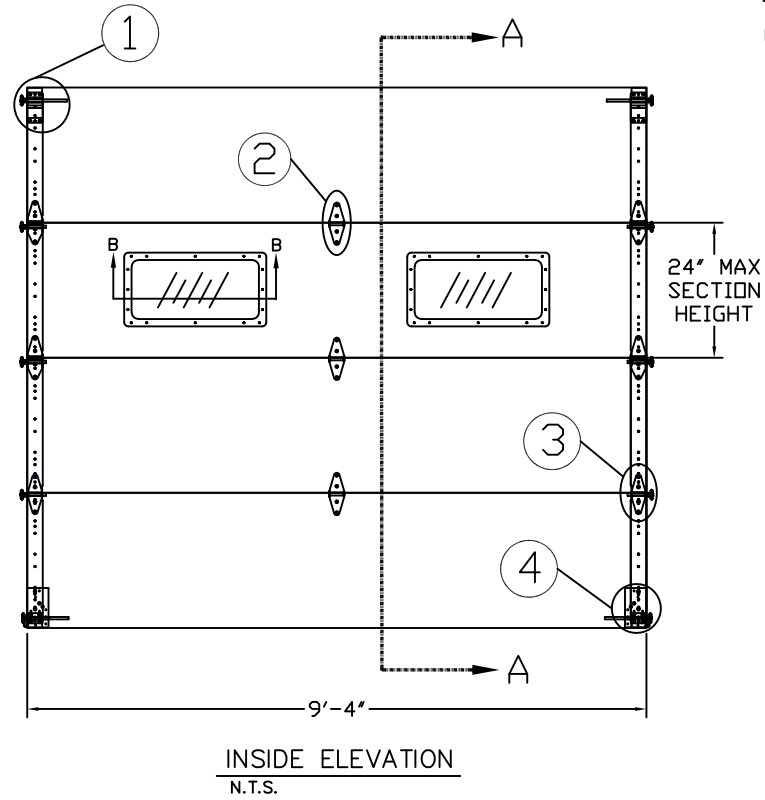
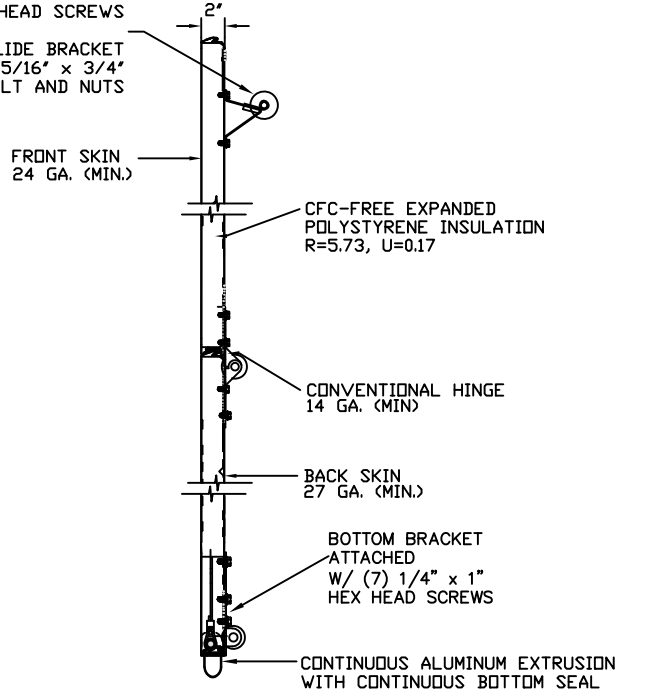
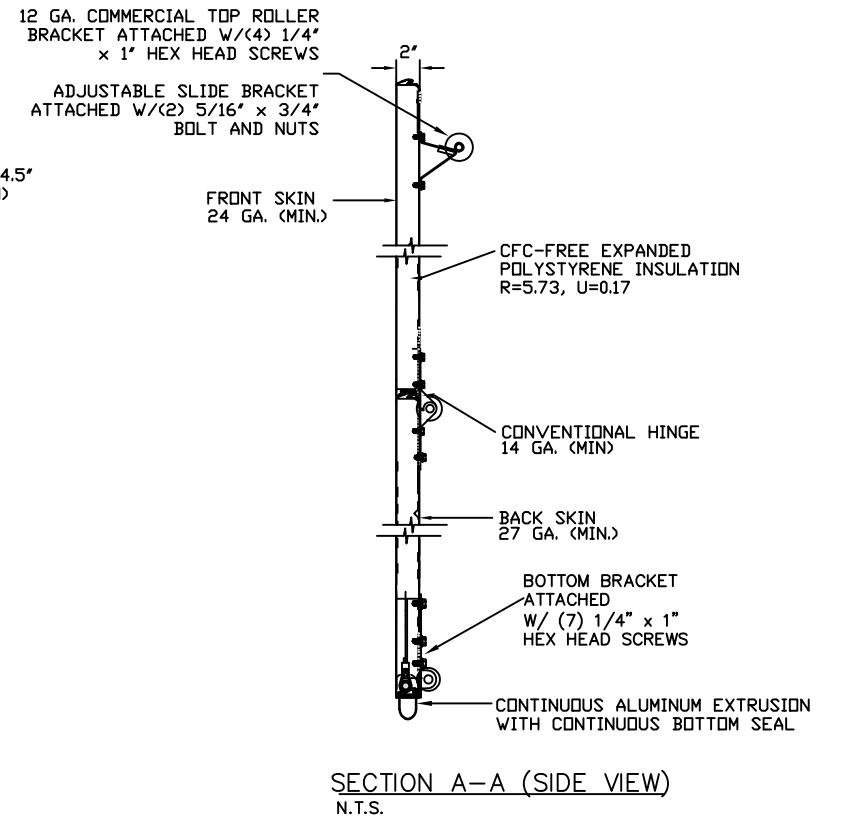
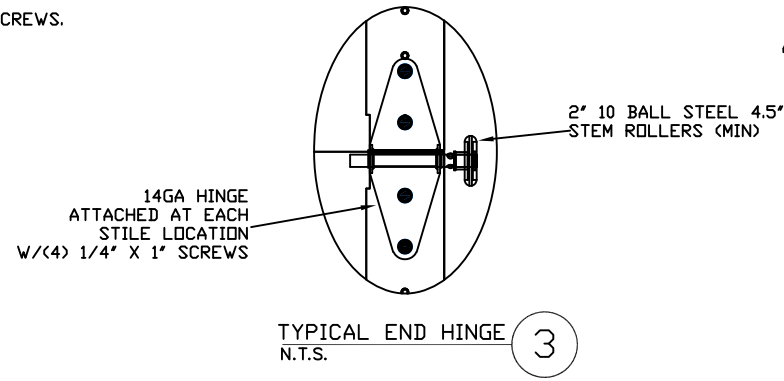
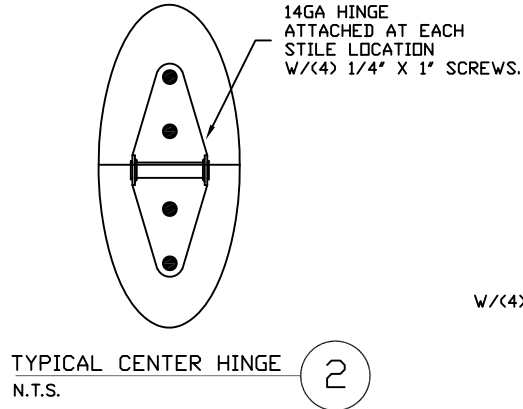
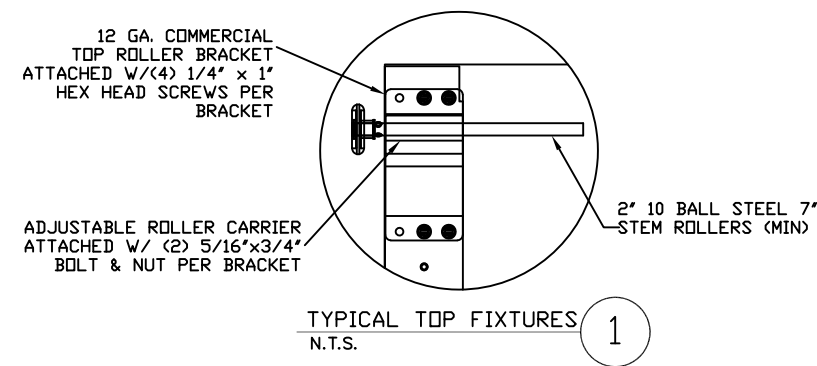




SPECIFICATIONS AND NOTES

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: +112.9 LBS/FT & -112.9 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. 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.
7. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC.

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)	155	141	134	128	123
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'4" x 24'

DESIGN LOADS
+24.2 PSF
-24.2 PSF

TEST LOADS
+36.3 PSF
-36.3 PSF

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

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Thomas L
Shelmerdine

Digitally signed by Thomas L Shelmerdine
DN: c=US, o=North Carolina,
dnQualifier=A01410D000001856487A7B1
00125CE2, cn=Thomas L Shelmerdine
Date: 2023.09.26 08:14:12 -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

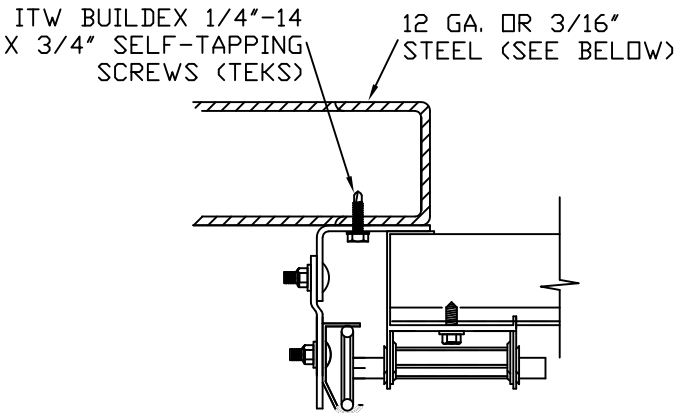
AMARR 2432

SIZE B	DRAWN BY DRC	DATE 06/02/22	DRAWING NUMBER IBC-1009-120-00
CHECKED BY RLR	DATE 06/29/22		

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

SHEET 1 OF 4

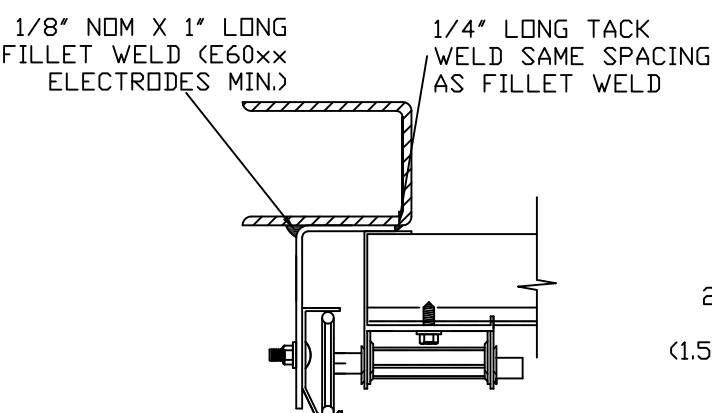
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



CLIP STYLE REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

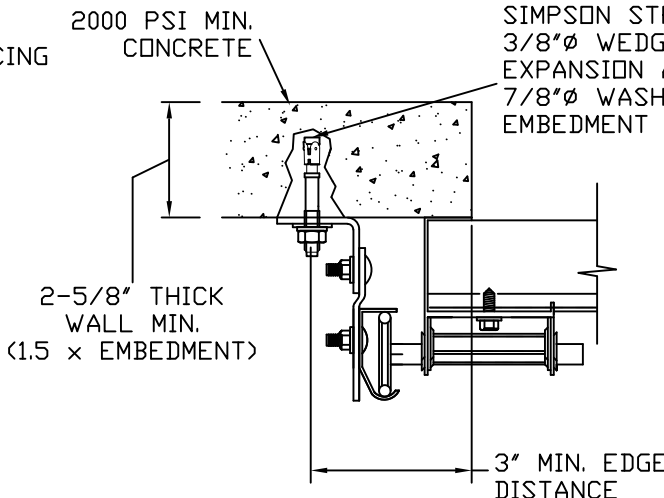
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



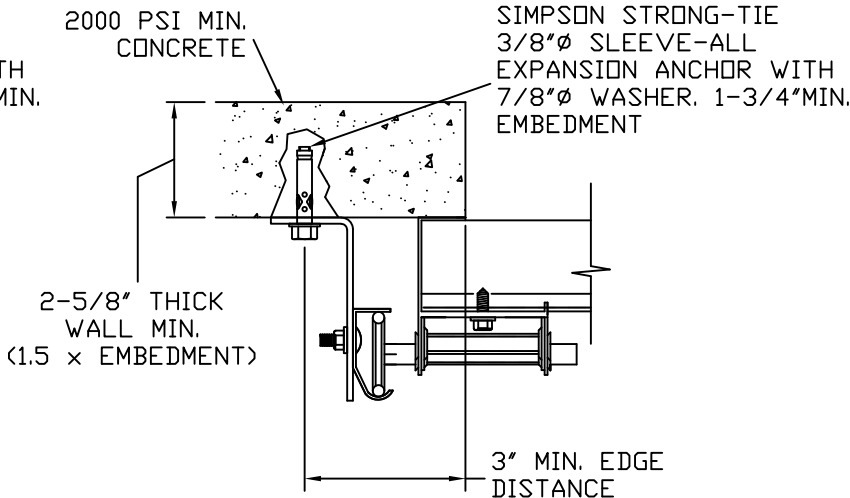
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER
1590 LBS./IN. ALLOWABLE LOAD -
6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 5, 6, 7, 8
AND 9



CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD -
6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

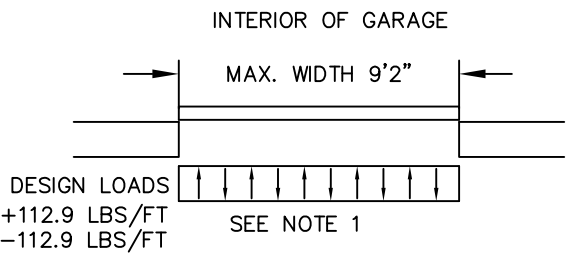


CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

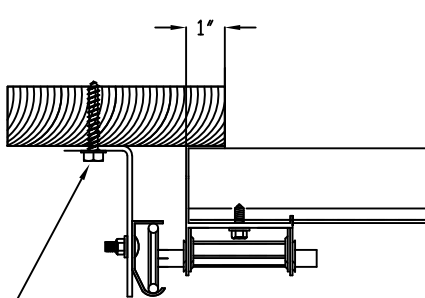
2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE
LOAD - 6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

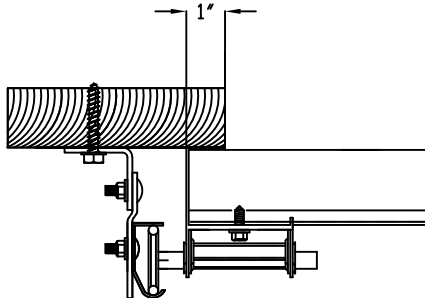
FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



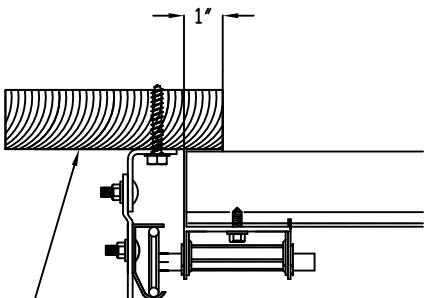
- NOTES:
1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
 3. MIN. EGDE DISTANCE OF 3' REQUIRED.
 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
 5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.
 6. MOST GARAGE DOOR TRACK IS GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.
 7. ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER OR INSPECTED BY A CERTIFIED WELDING INSPECTOR TO VERIFY THE INTEGRITY OF THE WELD.
 8. FILLET WELDS TO HAVE A STRAIGHT OR CONVEX FACE SURFACE.
 9. TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.



5/16" x 1 5/8" LAG SCREW (1)
PER JAMB BRACKET (1-1/2"
EMBEDMENT MINIMUM) (TYP.)



CONTINUOUS ANGLE MOUNT



REVERSE ANGLE MOUNT

2x6 WOOD JAMB SYP
(NO.2) OR BETTER (TYP.)

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'4" x 24'

DESIGN LOADS
+24.2 PSF
-24.2 PSF

TEST LOADS
+36.3 PSF
-36.3 PSF

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

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digitally signed & sealed by
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on the date shown.
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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

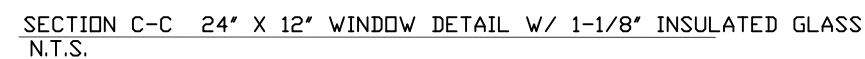
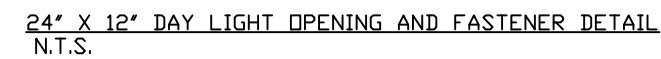
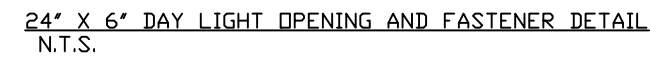
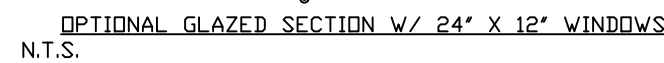
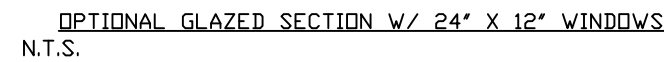
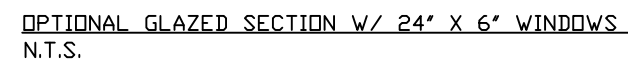
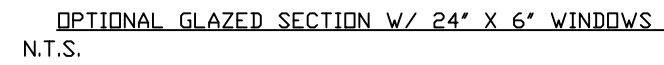
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AMARR 2432

SIZE	DRAWN BY	DRC	DATE	06/02/22	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	06/29/22	IBC-1009-120-00

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

SHEET 2 OF 4



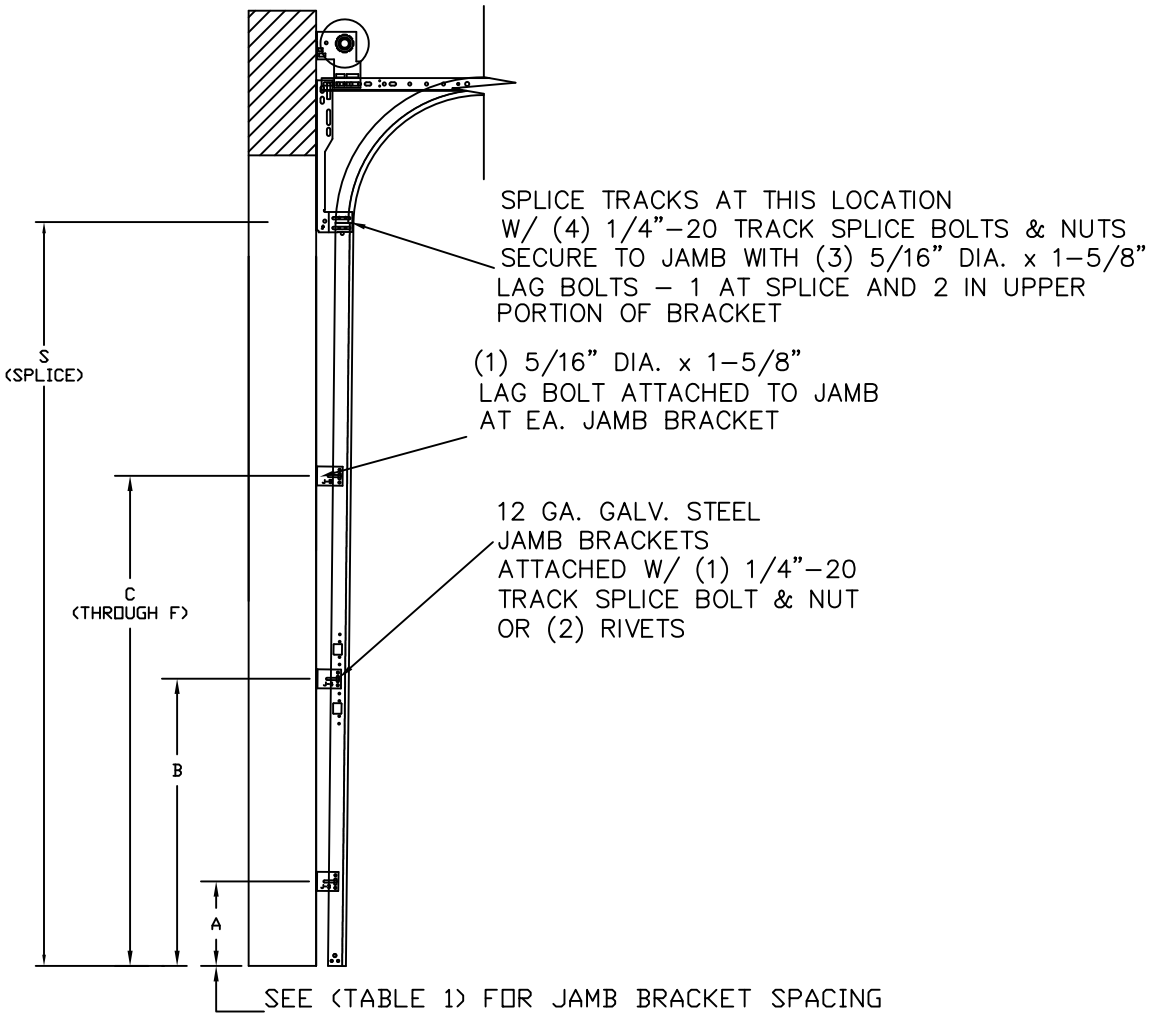
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE, 9'4" x 24' DESIGN LOADS +24.2 PSF -24.2 PSF TEST LOADS +36.3 PSF -36.3 PSF		This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature 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 2432			
SIZE	DRAWN BY	DRC	DATE
B			06/02/22
	CHECKED BY	RLR	DATE
			06/29/22
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-1009-120-00 SHEET 3 OF 4

TABLE 1

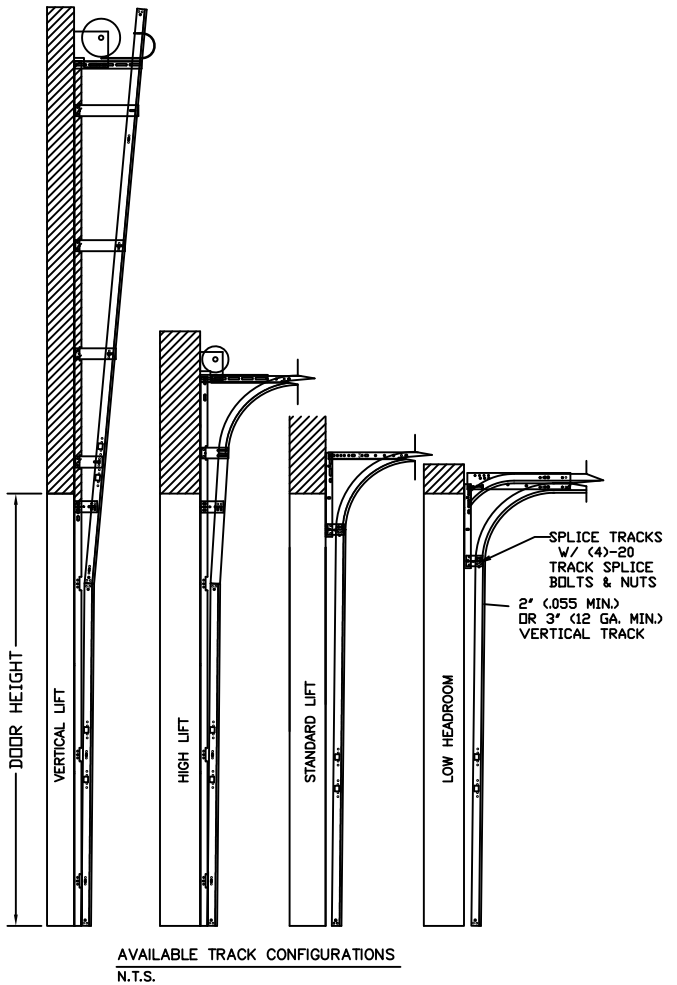
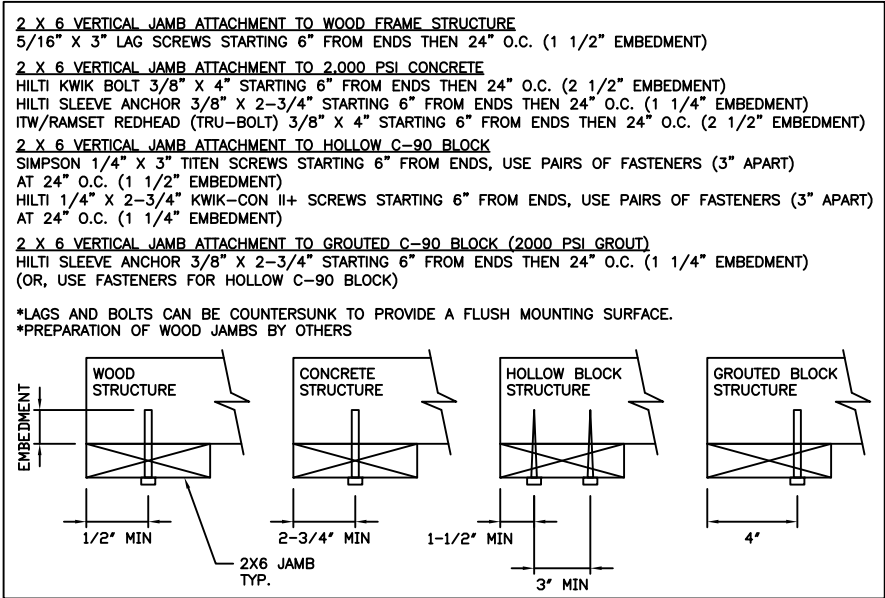
DOOR HEIGHT	TRACK ATTACHMENT											SPLICE
	A	B	C	D	E	F	G	H	I	J	K	
6' 6	10"	34"	58"									70"
7' 0	10"	34"	58"									76"
7' 6	10"	34"	58"									82"
8' 0	10"	34"	58"									88"
8' 6	10"	34"	58"	82"								94"
9' 0	10"	34"	58"	82"								100"
9' 6	10"	34"	58"	82"								106"
10' 0	10"	34"	58"	82"								112"
10' 6	10"	34"	58"	82"	100"							118"
11' 0	10"	34"	58"	82"	106"							124"
11' 6	10"	34"	58"	82"	100"							130"
12' 0	10"	34"	58"	82"	106"							136"
12' 6	10"	34"	58"	82"	98"	124"						142"
13' 0	10"	34"	58"	82"	106"	130"						148"
13' 6	10"	34"	58"	82"	98"	124"						154"
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"

TABLE 2

Section Width (ft)		Center Stile Locations (From Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
6'	0"	36"	37.4	37.4
6'	2"	37"	36.4	36.4
6'	4"	38"	35.4	35.4
6'	6"	39"	34.5	34.5
6'	8"	40"	33.7	33.7
6'	10"	41"	32.8	32.8
7'	0"	42"	32.1	32.1
7'	2"	43"	31.3	31.3
7'	4"	44"	30.6	30.6
7'	6"	45"	29.9	29.9
7'	8"	46"	29.3	29.3
7'	10"	47"	28.6	28.6
8'	0"	48"	28.0	28.0
8'	2"	49"	27.5	27.5
8'	4"	50"	26.9	26.9
8'	6"	51"	26.4	26.4
8'	8"	52"	25.9	25.9
8'	10"	53"	25.4	25.4
9'	0"	54"	24.9	24.9
9'	2"	54"	24.5	24.5
9'	4"	56"	24.2	24.2



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'4" x 24'

DESIGN LOADS
+24.2 PSF
-24.2 PSF

TEST LOADS
+36.3 PSF
-36.3 PSF

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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 4 OF 4