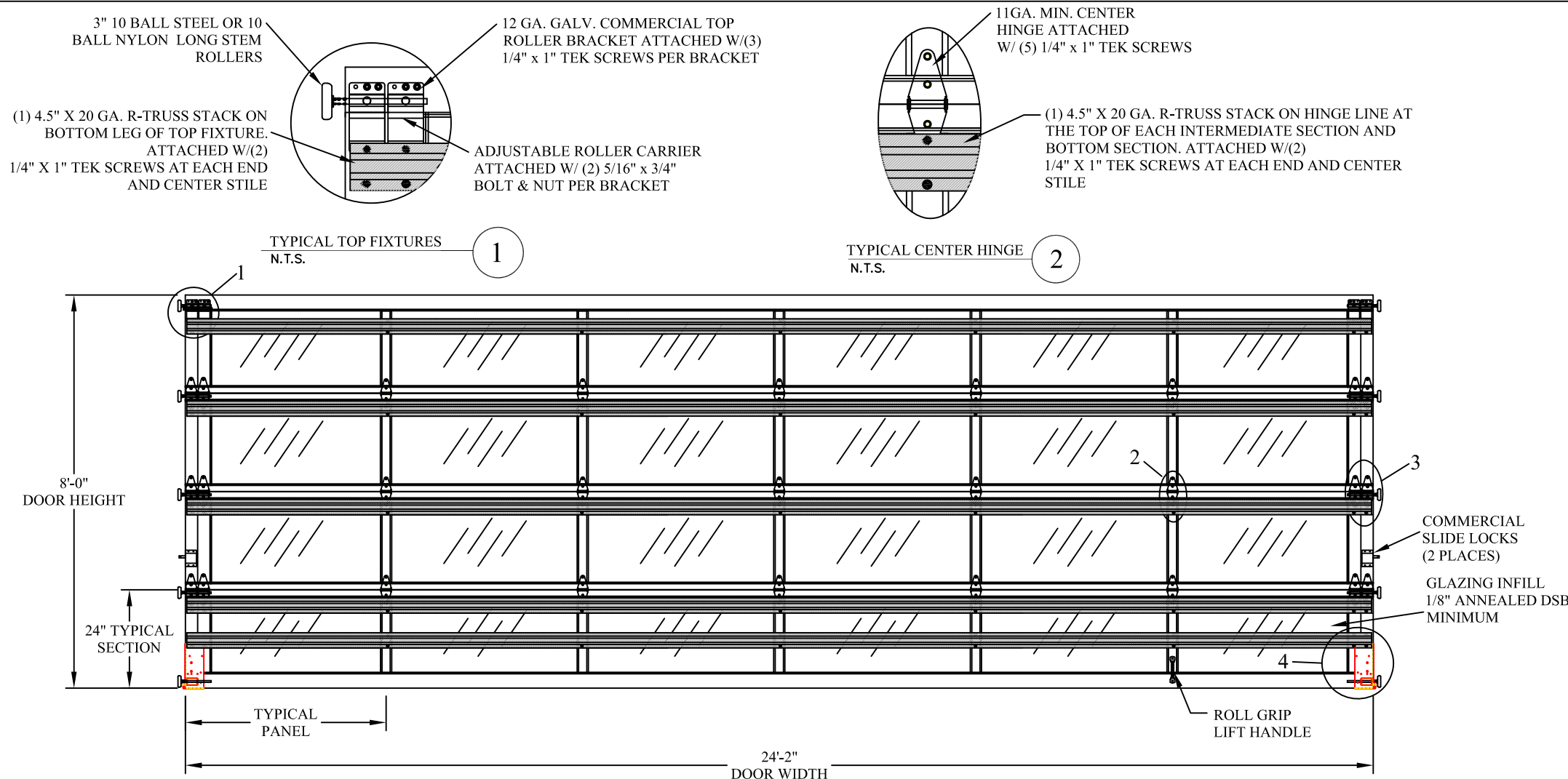
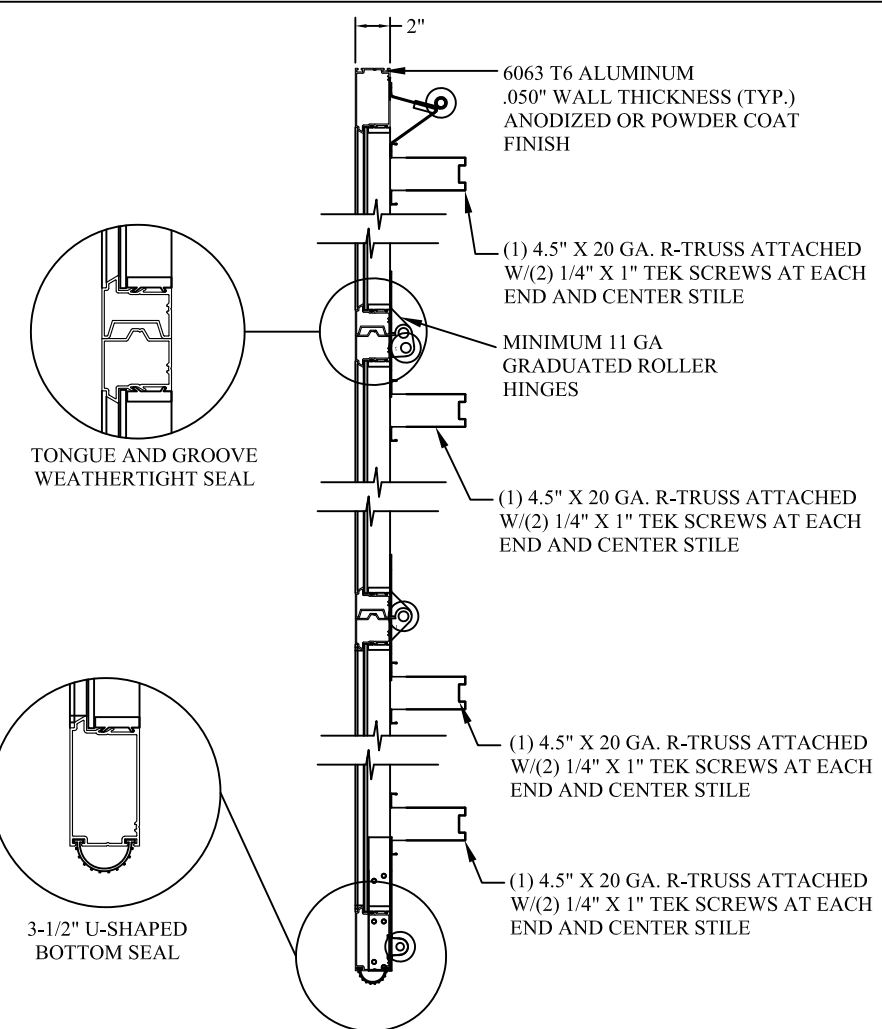
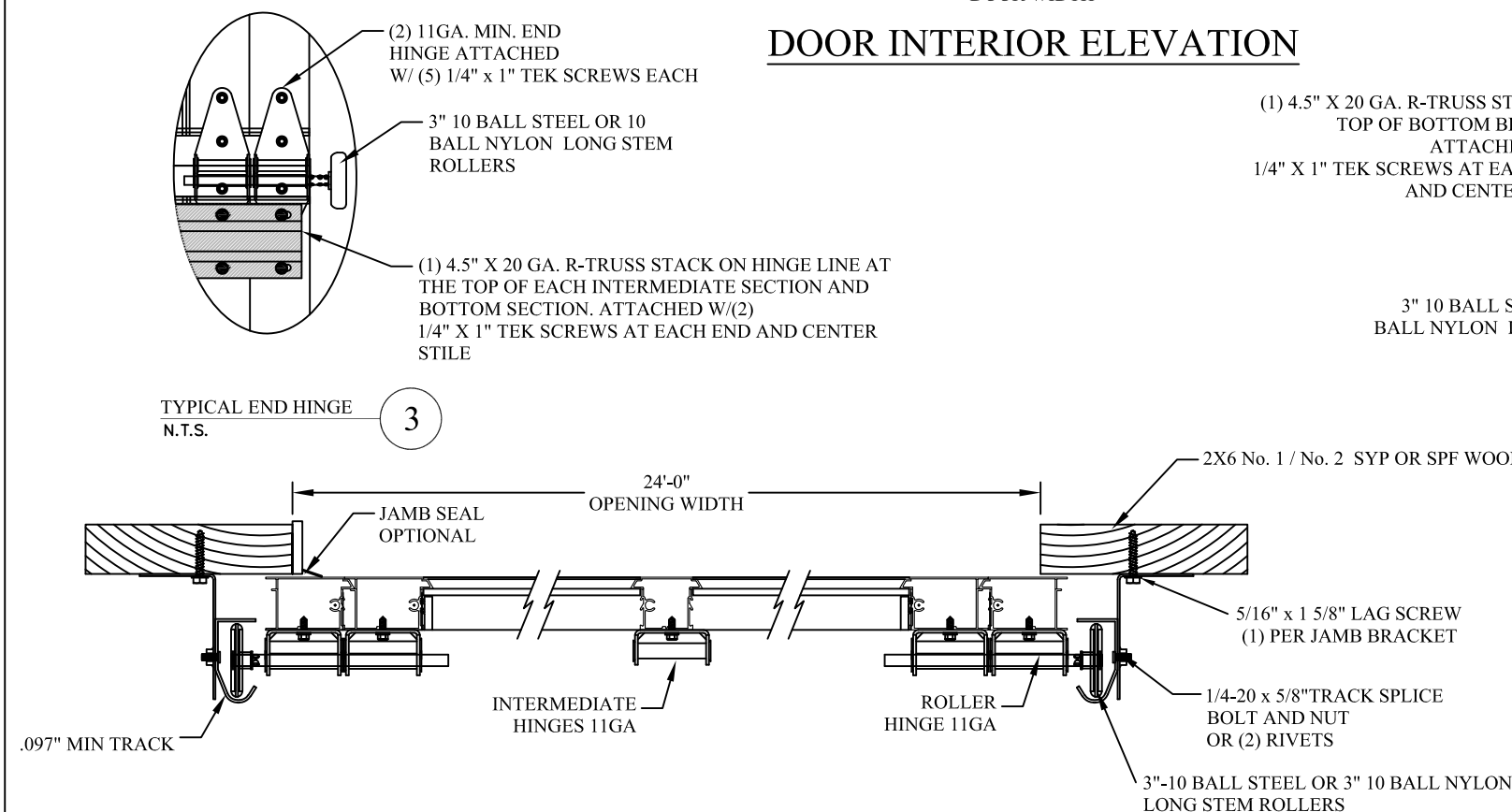




DOOR INTERIOR ELEVATION



ALUMINUM SECTION PROFILE



3" TAPERED CONTINUOUS ANGLE MOUNT TO WOOD JAMB DETAIL

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)	136	123	117	112	107
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
24'2" x 24'

DESIGN LOADS
+14.7 PSF
-16.5 PSF

TEST LOADS
+22.1 PSF
-24.8 PSF

THOMAS L. SHELDERDINE
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.

Thomas L. Shelmerdine
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5921-G W. Friendly Ave., Greensboro, NC 27410

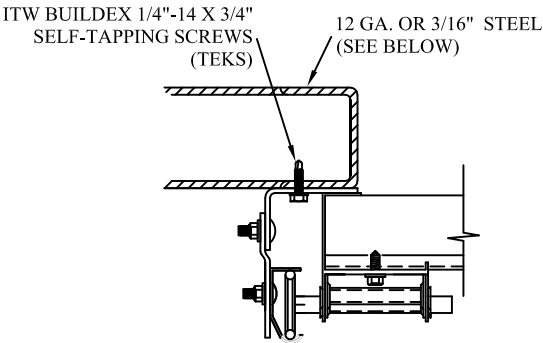
FL



AMARR 3552 AMARR VISTA 3552			
SIZE B	DRAWN BY RS	DATE 06/12/15	DRAWING NUMBER IBC-3624-104-24
CHECKED BY RLR	DATE 06/12/15	SHEET 1 OF 3	

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

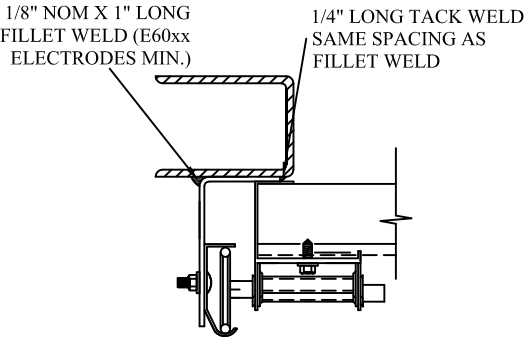
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

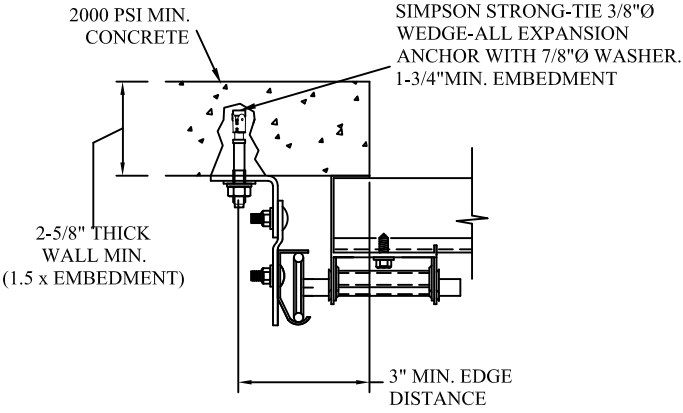
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 12" O.C.
REFER TO NOTES: 1, 2 AND 5

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



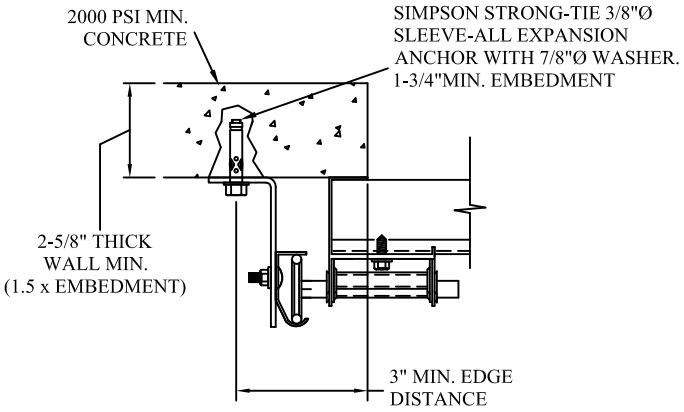
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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 18" 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 18" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

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: +177.6 LBS/FT & -199.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 6063 T6 ALUMINUM .050" WALL THICKNESS (TYP.) ANODIZED OR POWDER COAT FINISH
5. DOORS UP TO 24'0" HIGH WILL HAVE (2) 4-1/2" 20GA R-TRUSS ON THE BOTTOM SECTION AND (1) 4-1/2" 20GA R-TRUSS PER SECTION AFTER THAT.
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE

5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" 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 24" 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 16" 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 16" O.C. (1 1/4" EMBEDMENT)

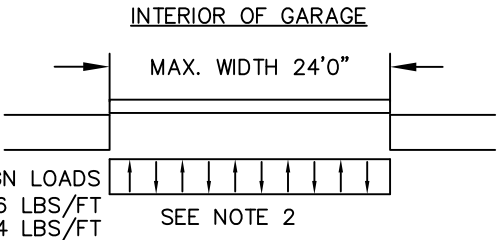
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS
THEN 24" 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

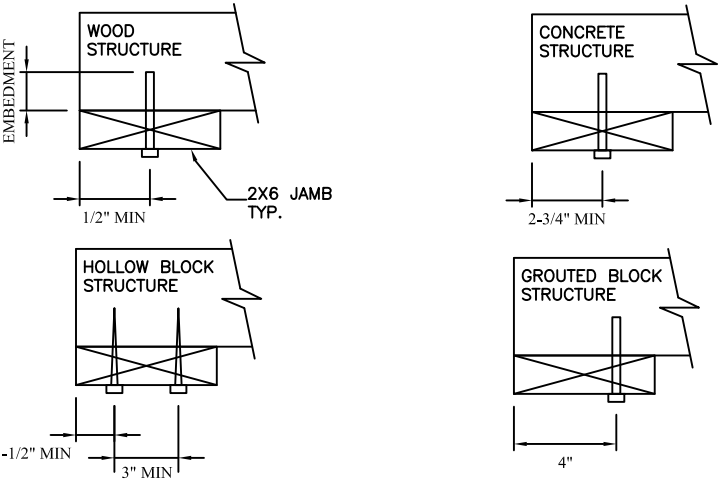
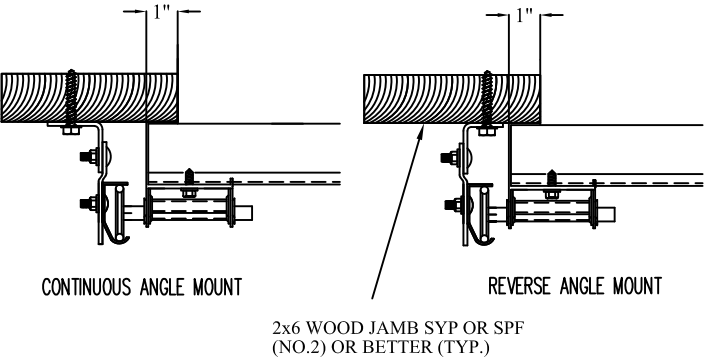
NOTES:

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.



TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREW SPACING SEE PAGE 3 FOR TRACK CONFIGURATION DETAIL



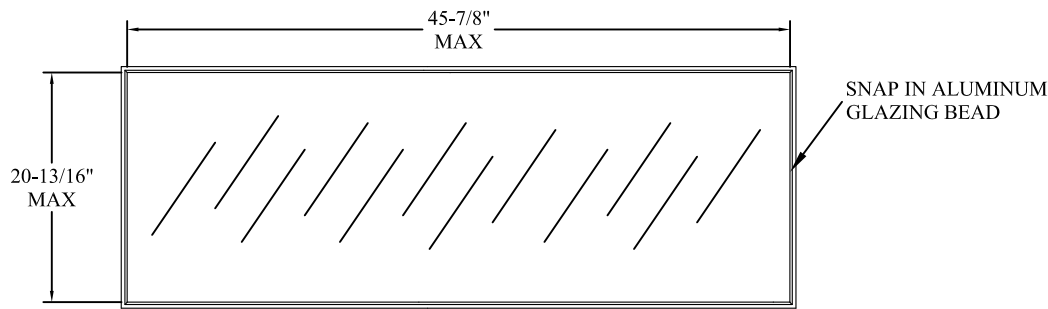
This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies.

Thomas L. Shelmerdine, PE (FL PE #0048579)
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5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

AMARR 3552
AMARR VISTA 3552

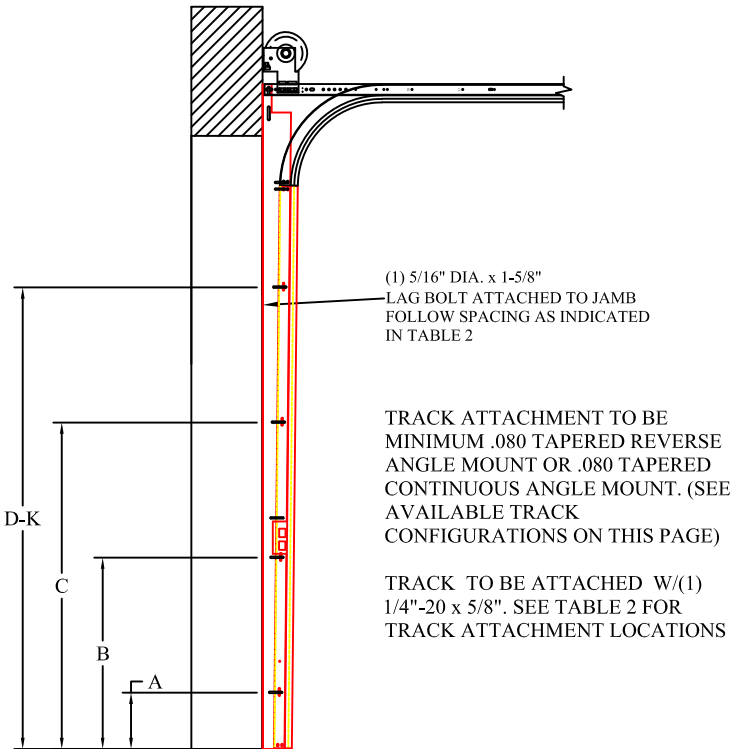
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B	CHECKED BY	RLR	DATE	06/12/15	IBC-3624-104-24
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3



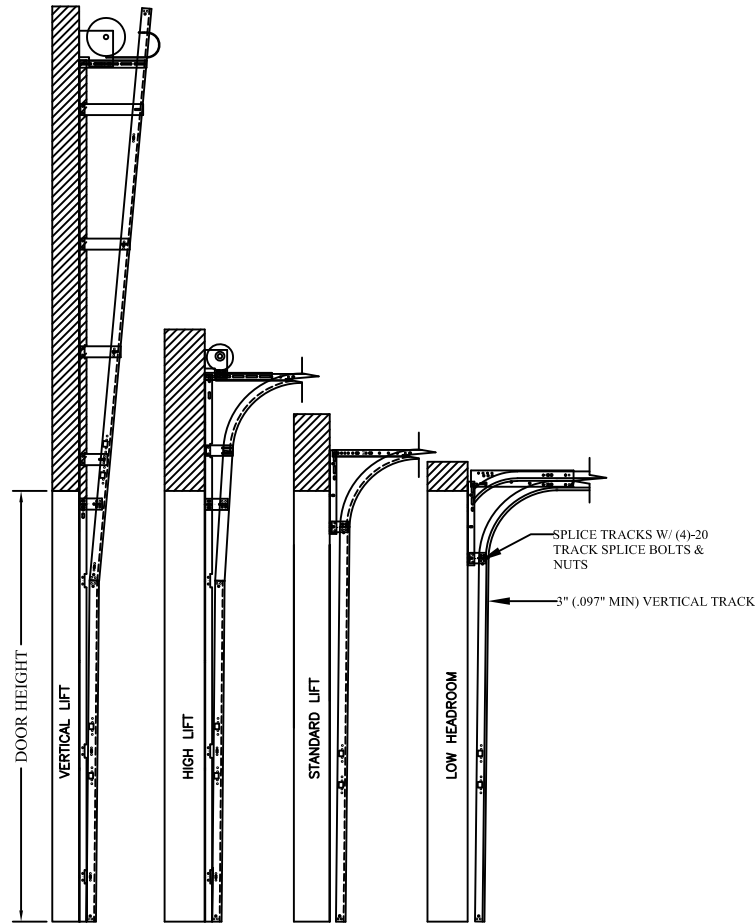
GLAZING FASTENER DETAIL
N.T.S.

TABLE 1

Section Width		Center Stile Locations (Measured from Left Edge)						Max Design Loads Allowed	
(ft)	(in)	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)		Positive (PSF)	Negative (PSF)
19'	4	36	76	116	156	196		17.8	20
19'	6	37	77	117	157	197		17.8	20
19'	8	38	78	118	158	198		17.8	20
19'	10	39	79	119	159	199		17.8	20
20'	0	40.0	80	120	160	200		17.7	19.9
20'	2	41.0	81	121	161	201		17.6	19.7
20'	4	42	82	122	162	202		17.3	19.5
20'	6	43	83	123	163	203		17.1	19.2
20'	8	44	84	124	164	204		16.9	19
20'	10	45	85	125	165	205		16.7	18.8
21'	0	46	86	126	166	206		16.5	18.6
21	2	47	87	127	167	207		16.3	18.3
21'	4	48	88	128	168	208		16.2	18.1
21'	6	49	89	129	169	209		16	17.9
21'	8	50	90	130	170	210		15.8	17.7
21'	10	51	91	131	171	211		15.6	17.5
22'	0	44	88	132	176	220		16.1	18.1
22	2	45	89	133	177	221		16	17.9
22'	4	46	90	134	178	222		15.8	17.7
22'	6	47	91	135	179	223		15.6	17.5
22'	8	48	92	136	180	224		15.4	17.3
22'	10	49	93	137	181	225		15.3	17.2
23'	0	50	94	138	182	226		15.1	17
23	2	51	95	139	183	227		15	16.8
23'	4	44	92	140	188	236		14.8	16.6
23'	6	45	93	141	189	237		14.8	16.6
23'	8	46	94	142	190	238		14.8	16.6
23'	10	47	95	143	191	239		14.8	16.6
24'	0	48	96	144	192	240		14.8	16.6
24'	2	49	97	145	193	241		14.7	16.5



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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 3

SECTION	
TOP	4.5"
11TH	4.5"
10TH	4.5"
9TH	4.5"
8TH	4.5"
7TH	4.5"
6TH	4.5"
5TH	4.5"
4TH	4.5"
3RD	4.5"
2ND	4.5"
BOTTOM	4.5"

TABLE 2

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

REV	DESCRIPTION OF REVISIONS	DATE	BY		
MAX SIZE 24'2 x 24'		THOMAS L. SHELDERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER See Digital Signature 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			
DESIGN LOADS +14.7 PSF -16.5 PSF					
TEST LOADS +22.1 PSF -24.8 PSF					
Amarr					
AMARR 3552 AMARR VISTA 3552					
SIZE B	DRAWN BY RS	DATE 06/12/15	DRAWING NUMBER IBC-3624-104-24		
CHECKED BY RLR	DATE 06/12/15	SHEET 3 OF 3			
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					