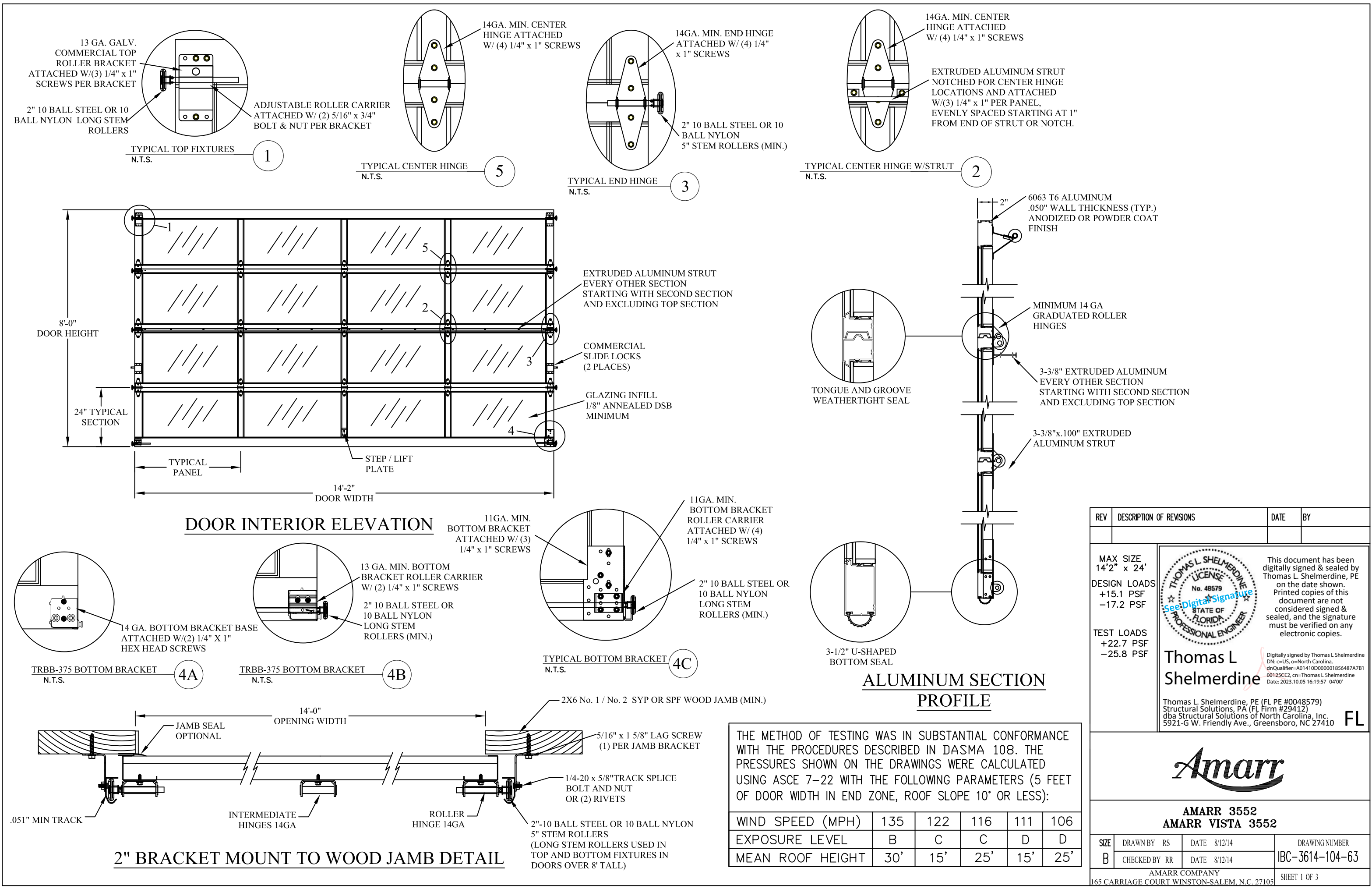




REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
14'2" x 24'

DESIGN LOADS
+15.1 PSF
-17.2 PSF

TEST LOADS
+22.7 PSF
-25.8 PSF

See Digital Signature

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

Thomas L. Shelmerdine
Structural Solutions, PA (FL Firm #29412)
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Digitally signed by Thomas L. Shelmerdine
DN: c=US, o=North Carolina, dnQualifier=A01410D000001856487A7B100125CE2, cn=Thomas L. Shelmerdine
Date: 2023.10.05 16:19:57 -04'00'

Amarr

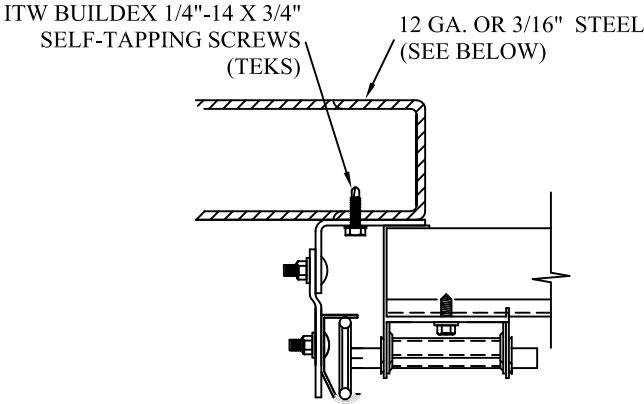
**AMARR 3552
AMARR VISTA 3552**

SIZE	DRAWN BY	RS	DATE	8/12/14	DRAWING NUMBER
B	CHECKED BY	RR	DATE	8/12/14	IBC-3614-104-63

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

SHEET 1 OF 3

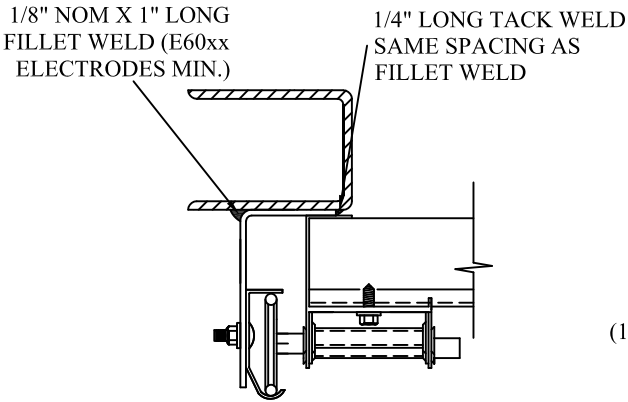
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

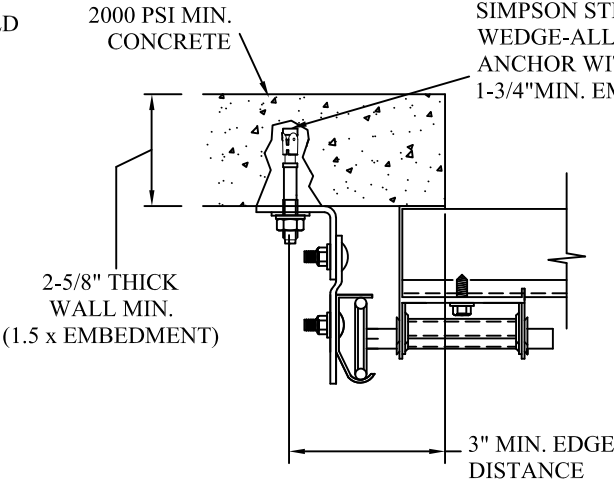
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

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



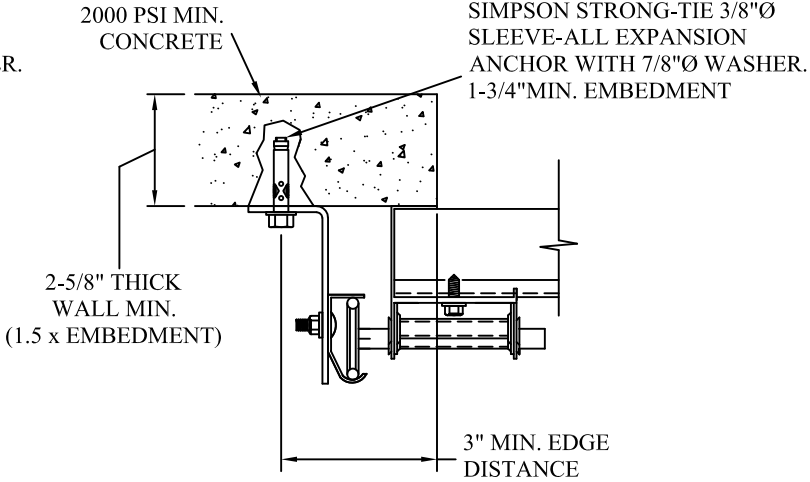
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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



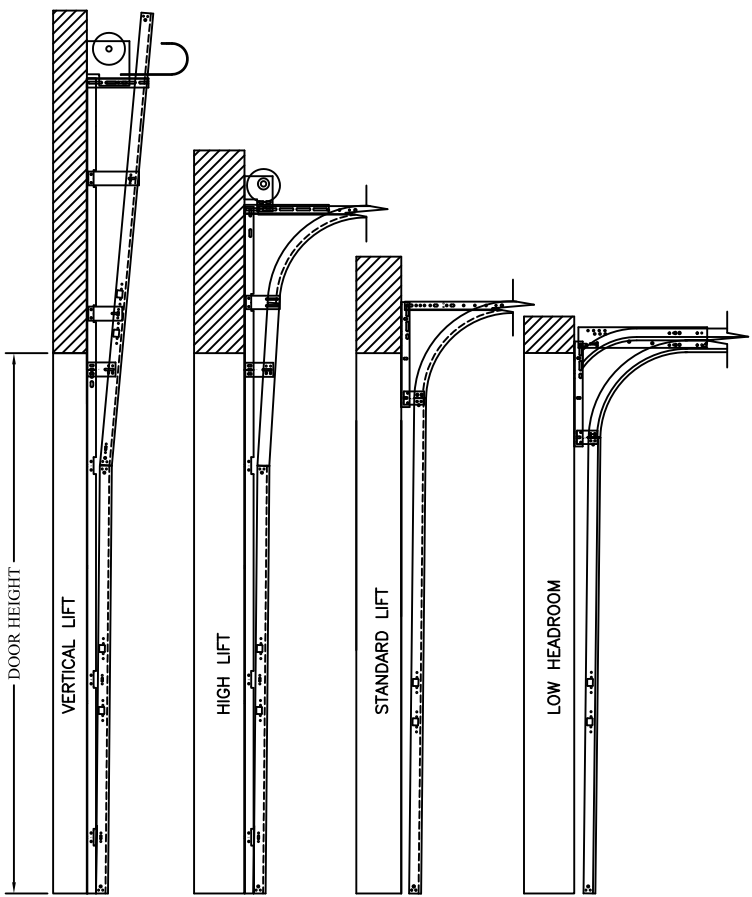
CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

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

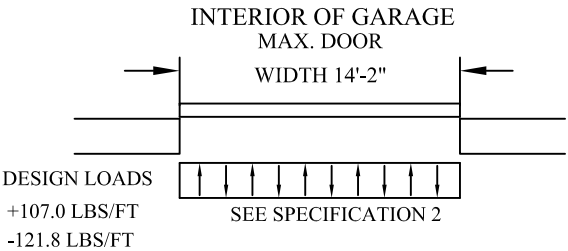


CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

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



2" (.051 MIN.) OR 3" (12 GA. MIN.) VERTICAL TRACK
AVAILABLE TRACK CONFIGURATIONS
N.T.S.



- NOTES:
- ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
 - 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.
 - MIN. EGDE DISTANCE OF 3" REQUIRED.
 - USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.
 - MOST GARAGE DOOR TRACK IS GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.
 - ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER OR INSPECTED BY A CERTIFIED WELDING INSPECTOR TO VERIFY THE INTEGRITY OF THE WELD.
 - FILLET WELDS TO HAVE A STRAIGHT OR CONVEX FACE SURFACE.
 - TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

TABLE 1

DOOR	TRACK ATTACHMENT											SPLICE
HEIGHT	A	B	C	D	E	F	G	H	I	J	K	S
7'	10"	38"	*57"									76"
8'	10"	34"	58"									88"
9'	10"	34"	58"	82"								100"
10'	10"	34"	58"	82"								112"
11'	10"	34"	58"	82"	106"							124"
12'	10"	34"	58"	82"	106"							136"
13'	10"	34"	58"	82"	106"	130"						148"
14'	10"	34"	58"	82"	106"	130"						160"
15'	10"	34"	58"	82"	106"	130"	154"					172"
16'	10"	34"	58"	82"	106"	130"	154"					184"
17'	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"
* Field Installed												

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
14'2" x 24'

DESIGN LOADS
+15.1 PSF
-17.2 PSF

TEST LOADS
+22.7 PSF
-25.8 PSF

THOMAS L. SHELDERDINE
LICENSE
No. 48579
See Digital Signature
STATE OF
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FL

Amarr

AMARR 3552
AMARR VISTA 3552

SIZE B	DRAWN BY RS	DATE 8/12/14	DRAWING NUMBER IBC-3614-104-63
	CHECKED BY RR	DATE 8/12/14	

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

SHEET 2 OF 3

SPECIFICATIONS

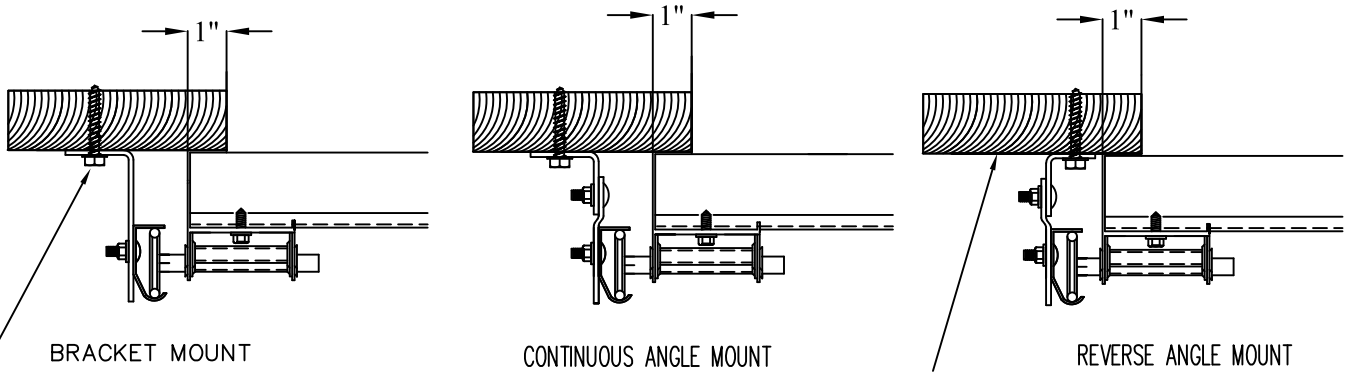
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+107.0 LBS/FT & -121.8 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. GLAZING MEETS ASTM E1300-04

TABLE 2

Section Width (ft)	Center Stile Locations (From Left Edge)			Max Design Loads Allowed	
	1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
9' 4"	36"	76"	-	16.8	19.1
9' 6"	37"	77"	-	16.5	18.8
9' 8"	38"	78"	-	16.3	18.6
9' 10"	39"	79"	-	16.1	18.4
10' 0"	40"	80"	-	15.9	18.1
10' 2"	41"	81"	-	15.7	17.9
10' 4"	42"	82"	-	15.5	17.7
10' 6"	43"	83"	-	15.3	17.5
10' 8"	44"	84"	-	15.2	17.3
10' 10"	45"	85"	-	15.0	17.1
11' 0"	46"	86"	-	14.8	16.9
11' 2"	47"	87"	-	14.6	16.7
11' 4"	48"	88"	-	14.5	16.5
11' 6"	49"	89"	-	14.3	16.3
11' 8"	50"	90"	-	14.1	16.1
11' 10"	51"	91"	-	14.0	15.9
12' 0"	48"	96"	-	13.3	15.1
12' 2"	49"	97"	-	13.1	14.9
12' 4"	50"	98"	-	13.0	14.8
12' 6"	51"	99"	-	12.8	14.6
12' 8"	52"	100"	-	12.7	14.5
12' 10"	53"	101"	-	12.6	14.4
13' 0"	36"	78"	120"	15.2	17.3
13' 2"	37"	79"	121"	15.2	17.3
13' 4"	38"	80"	122"	15.2	17.3
13' 6"	39"	81"	123"	15.2	17.3
13' 8"	40"	82"	124"	15.2	17.3
13' 10"	41"	83"	125"	15.2	17.3
14' 0"	42"	84"	126"	15.2	17.3
14' 2"	43"	85"	127"	15.1	17.2

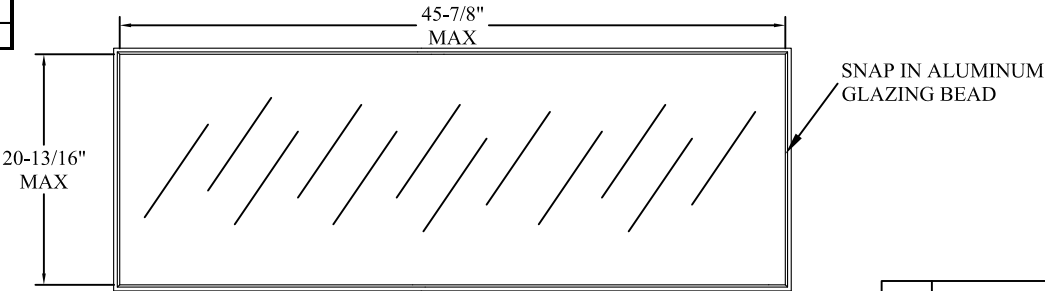
TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



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

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



GLAZING FASTENER DETAIL
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

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)

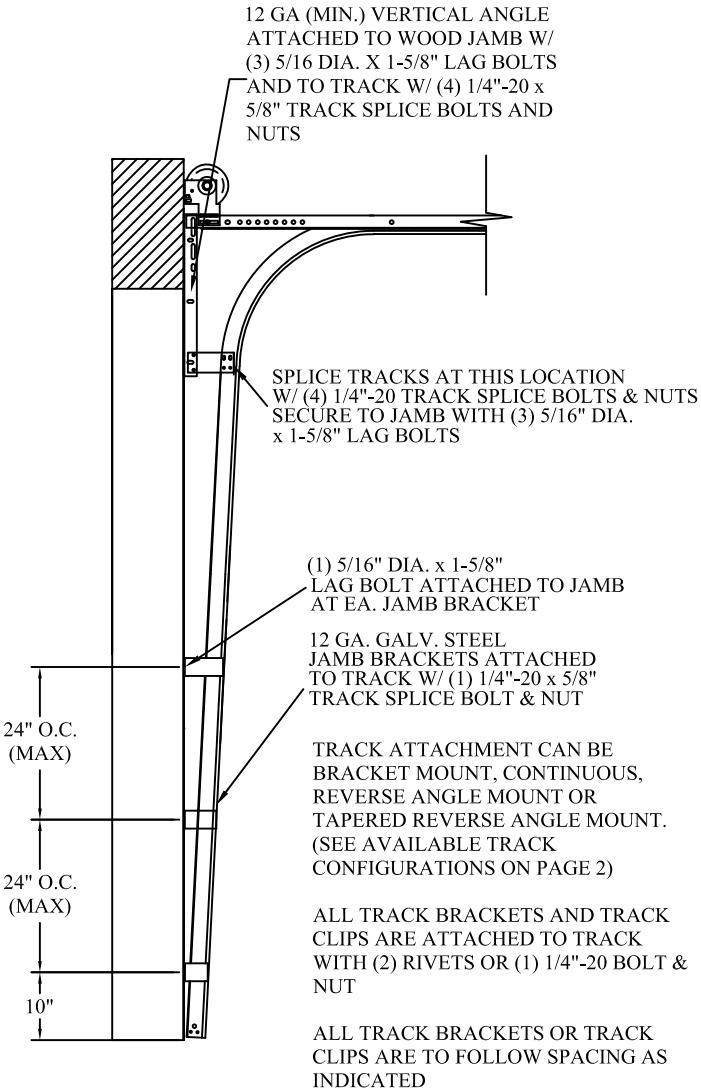
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

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

TABLE 3

SECTION	
TOP	N/A
11TH	
10TH	3 3/8" AL
9TH	
8TH	3 3/8" AL
7TH	
6TH	3 3/8" AL
5TH	
4TH	3 3/8" AL
3RD	
2ND	3 3/8" AL
BOTTOM	



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
14'2" x 24'

DESIGN LOADS
+15.1 PSF
-17.2 PSF

TEST LOADS
+22.7 PSF
-25.8 PSF

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

SHEET 3 OF 3