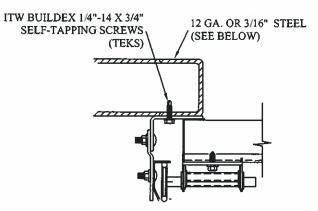


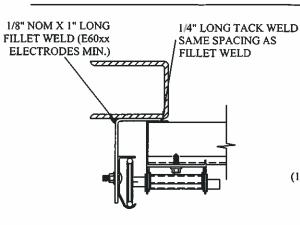
## TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

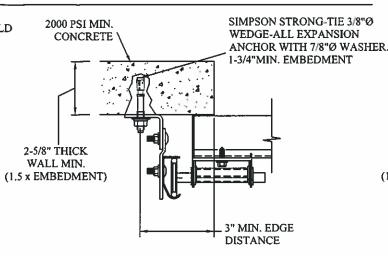
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 18" O.C.
REFER TO NOTES: 1, 2 AND 5

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



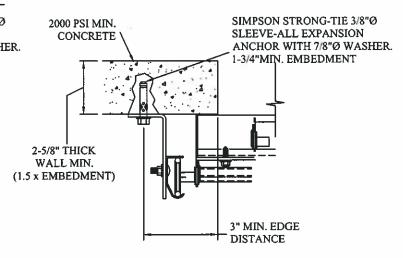
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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



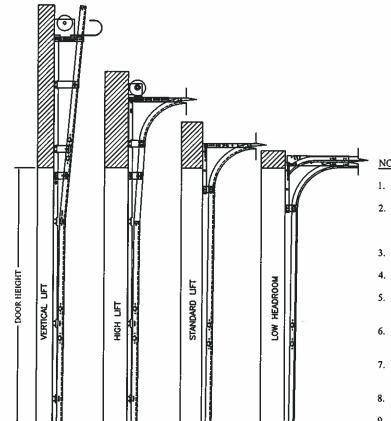
CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT AVAILABLE

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

#### NOTES:

- 1. 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.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. 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.
- 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.
- TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

## TABLE 1

DOOR				T	RACK	ATT/	<b>CHN</b>	BNT				SPLICE
HEIGHT	Α	В	С	D	E	F	G	Н	1	J	K	S
7	10"	38'	*57"									761
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'					<u> </u>	160'
15	10"	34°	58"	82"	106"	130"	154"					172"
16	10"	<b>34</b> "	58"	82"	106"	130"	154"					184"
17	10"	34"	58'	82"	106"	130"	154"	178"				196'
18	10"	<b>3</b> 4	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'	<b>3</b> ₹	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 In	stal	led	L					L	L	ļ	ļ	

REV	DESCRIPTION (	OF REVISIONS	DATE	BY
٨	UPDATED WJA	TS, TCDTS, ADDED ASCE MPH DETAIL	12/6/11	RLR
9'2' DESI +2 -3 TESI +4	X SIZE " x 24" GN LOADS 18.2 PSF 13.1 PSF 1 LOADS 12.3 PSF 19.6 PSF	ETHOMAS L. SH	TELMER DOLLAR	DINE
	165 CARRIAG	Amar ECOURT WINSTON-SALEM, N.C. 2	•	AMARR.COM

MODEL 3550

DATE 4/14/10

DATE 4/14/10

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579

SIZE DRAWN BY BHG

B CHECKED BY DRC

DRAWING NUMBER

IBC-3609-140-00

SHEET 2 OF 3

ALL TRACK ATTACHMENTS +/- 2" WITH SYP OR SPF NO.2 OR BETTER

#### SPECIFICATIONS

24" O.C.

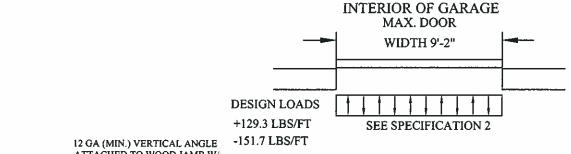
(MAX)

24" O.C. (MAX)

- 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: +129.3 LBS/FT & -151.7 LBS/FT.
- 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

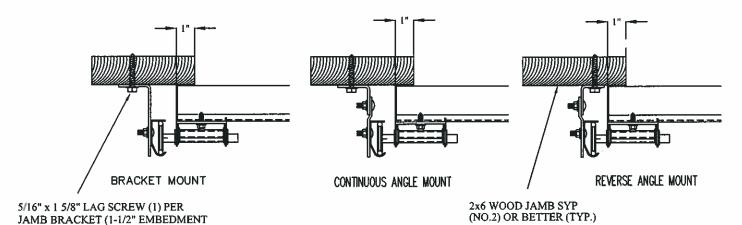
LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

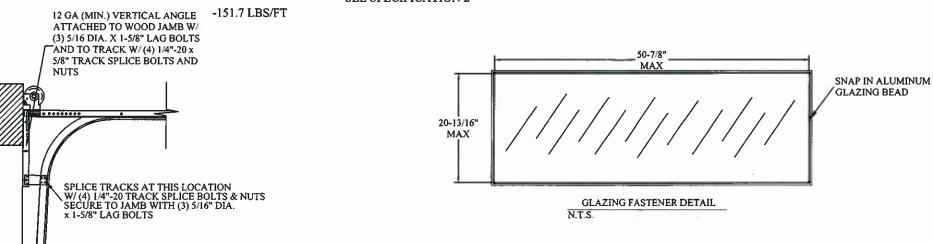
TRACK CONFIGURATION FOR UP TO 24' TALL DOORS



# TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1





### TABLE 2

LÁG BOLT ATTACHED TO JAMB	1711		<u>′</u>		
AT EA. JAMB BRACKET  12 GA. GALV. STEEL JAMB BRACKETS ATTACHED TO TRACK W/(1) 1/4"-20 x 5/8"	Sec	tion	Center Stile	Max Desi Allo	-
/ TRACK SPLICE BOLT & NUT	1		1st	Positive	Negitive
TRACK ATTACHMENT CAN BE BRACKET MOUNT, CONTINUOUS,	, "	t)	(in)	(PSF)	(PSF)
REVERSE ANGLE MOUNT OR TAPERED REVERSE ANGLE MOUNT.	8'	0"	48"	32.1	37.7
(SEE AVAILABLE TRACK CONFIGURATIONS ON PAGE 2)	8' 2" 49" 31.4 3	36.9			
ALL TRACK BRACKETS AND TRACK CLIPS ARE ATTACHED TO TRACK	8'	4"	50"	30.8	36.2
WITH (2) RIVETS OR (1) 1/4"-20 BOLT & NUT	8'	6"	51"	30.2	35.5
ALL TRACK BRACKETS OR TRACK	8'	8"	52"	29.6	34.8
CLIPS ARE TO FOLLOW SPACING AS INDICATED	8'	10"	53"	29.1	34.1
N FOR UP TO 24' TALL DOORS	9'	0"	54"	28.5	33.5
	9'	2"	55"	28.2	33.1
				<u></u>	

# WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

MINIMUM) (TYP.)

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 5 VERTICAL JAMB ATTACHMENT TO 2.000 PSI CONCRETE  HILTI KWIK BOLT 3/8" X 4" STARTING 8" 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-80 BLOCK SIMPSON 1/4" X 3" TITLEN 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  WOOD STRUCTURE CONCRETE STRUCTURE  GROUTED BLOCK STRUCTURE  GROUTED BLOCK STRUCTURE
STRUCTURE STRUCTURE STRUCTURE
1/2" MIN 1-1/2" MIN 1-1/2" MIN 4*

REV	DESCRIPTION OF	REVISIONS	DATE	BY
A	UPDATED WATS,	TCDTS, ADDED ASCE MPH DETA	NL 12/6/11	RLR
9'2 DESI +2 -3 TES'	XX SIZE " x 24' IGN LOADS 28.2 PSF 33.1 PSF I LOADS 42.3 PSF 19.6 PSF	THOMAS C	SHELMER VSE	THE
		4		
	165 CARRIAGE	Amai	•	AMARR.COM
	165 CARRIAGE		C. 27105 WWW	AMARR.COM
SIZE		COURT WINSTON-SALEM, N.C.	50	DRAWING NUMBER
sıze B		MODEL 35:	50	