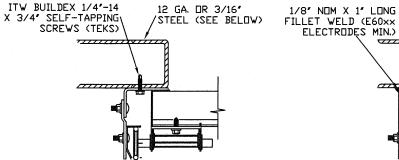


TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

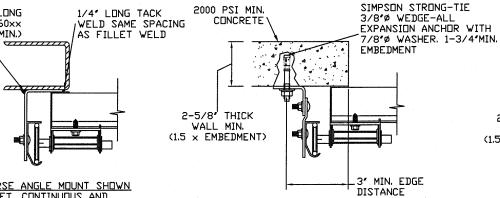
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 3' FROM ENDS AND 12' D.C. REFER TO NOTES: 1, 2 AND 5

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

49' 12 GA (MIN.) VERTICAL ANGLE ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8' LAG BOLTS AND TO TRACK W/ (4) 1/4'-20 x 5/8' TRACK SPLICE BOLTS AND NUTS SPLICE TRACKS AT THIS LOCATION \W/ (4) 1/4'-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16' DIA. (1) 5/16" DIA. x 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA, JAMB BRACKET 12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4"-20 x 5/8"
TRACK SPLICE BOLT & NUT TRACK ATTACHMENT CAN BE BRACKET MOUNT, CONTINUOUS, REVERSE ANGLE MOUNT OR TAPERED REVERSE ANGLE MOUNT, (SEE AVAILABLE TRACK CONFIGURATIONS ALL TRACK BRACKETS AND TRACK CLIPS ARE ATTACHED TO TRACK WITH (2) RIVETS DR (1) 1/4"-20 BOLT & NUT ALL TRACK BRACKETS OR TRACK CLIPS ARE TO FOLLOW SPACING AS INDICATED

TRACK CONFIGURATION FOR 6' UP TO 24' TALL DOORS *SPLICE LOCATION FOR STANDARD LIFT, WILL VARY FOR OTHER LIFT APPLICATIONS, AN TRACK ATTACHMENT LOCATIONS MAY ALLOW +/-2' WHEN USING SYP OR SPF NO.2 GRADE LUMBER OR BETTER ONLY.

12*(TYP.)



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" D.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

SIMPSON STRONG-TIE 2000 PSI MIN. 3/8'ø SLEEVE-ALL CONCRETE' EXPANSION ANCHOR WITH 7/8'Ø WASHER. 1-3/4"MIN. EMBEDMENT 2-5/8" THICK WALL MIN. (1.5 × EMBEDMENT) 3" MIN. EDGE

> 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 16' O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND

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

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.

TABLE 1

DOOR											TRA	CK AT	TACI	IMEN	T										SPLIC
HEIGHT	Α	В	С	D	ΙE	F	G	Н	П	J	K	L	М	N	0	Р	Q	R	S	T	U	V	W	Х	S
7'	3.5"	10"	22"	34"	46"	58"	70"																		76"
8'	3.5"	10"	22"	34"	46"	58"	70"	82"																	88"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"																100"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"															112"
11'.	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"														124"
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"													136"
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"												148"
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"											160"
15'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"										172"
16'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"									184"
17'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"								196"
18'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"							208"
19'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"						220"
20'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"					232"
21'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"				244"
22'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"
23'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"		268"
24'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	274"	280"

MA: 20'2	X SIZE 2 × 24'	5829) 34063)			- 01	,,,,,		C 27410
+22	GN LOADS 2.9 PSF 5.7 PSF	PE (TX PE #85829) TX Firm #F-004063			Z	7	3	reensboro, N
+3	T LOADS 4.4 PSF 8.5 PSF	. Shelmerdine, Solutions, PA (The state of the s	THOMAS	L. ST 358	TELMEN 29 C	PAPA	5921-G W. Friendly Ave., Greensboro, NC 27410
- IM	E MISSLE IPACT ISTANCE	Thomas L Structural	ΤX		ION	LENG		5921-G W. F
			$\overline{\mathcal{A}}$	ma	ırı	r		
165	5 CARRIAGE	CELIET					/WW.AMARR	CUM
100	J CHRINGE		DEL	2700	(27		I W WILLIAM	NOUP!
			DEL	2720	(20			
SIZE	DRAWN BY	RLR	DATE	05/10/13			RAWING NUME	
B	CHECKED BY	•	DATE			71BC-2	2720-130)-26-l

DATE

SHEET 2 OF 3

REV DESCRIPTION OF REVISIONS

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 20" O.C. (1 1/2" EMBEDMENT)

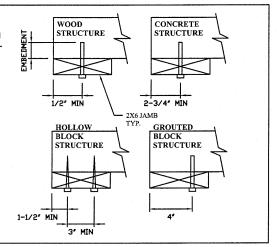
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

HILLI I KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILLI ISLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 18" (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 8" 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 8" O.C. (1 1/4" EMBEDMENT)

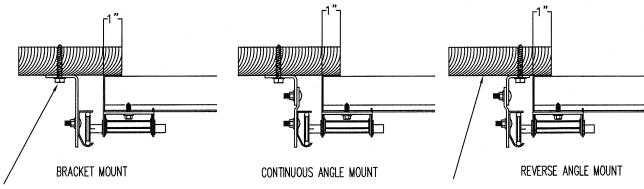
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT). HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 22" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. *PREPARATION OF WOOD JAMBS BY OTHERS



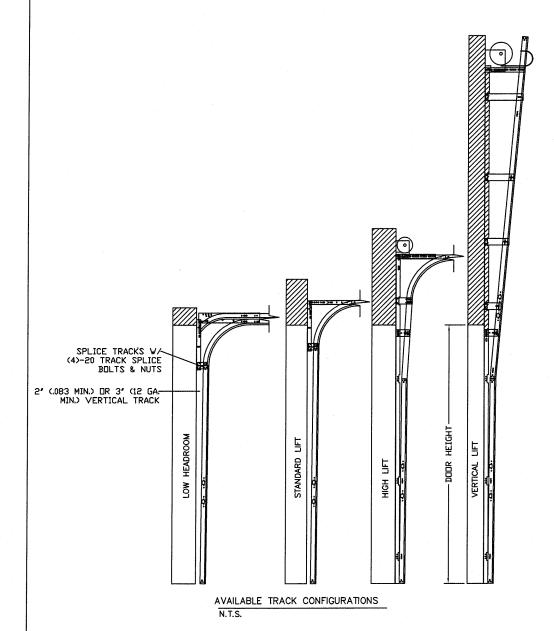
TRACK CONNECTION TO WOOD JAMB OPTIONS

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.)





SPECIFICATIONS

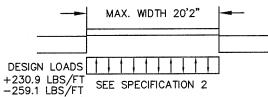
- 1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR
- 2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +230.9 LBS/FT & -259.1 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. (.0216) MIN. EXTERIOR SKIN ROLLFORMED, 5. W/BAKED ON POLYESTER FINISH
- 6, DOORS UP TO 24'0' HIGH USE (1) 5 1/2' R-TRUSS PER SECTION AND (2) 16GA DOUBLE END STILE CAPS PER SECTION
- 7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

TABLE 2

ſ	Soction	n Width	Center Stile Locations									
	Section	IVIUUI	(Measured from Left Edge)									
Γ	(4)	(:-)	1st	2nd	3rd	4th	5th					
	(ft)	(in)	(in)	(in)	(in)	(in)	(in)					
Ī	19'	4	36	76	116	156	196					
ſ	19'	6	37	77	117	157	197					
Ī	19'	8	38	78	118	158	198					
Ī	19'	10	39	79	119	159	199					
ſ	20'	0	40.0	80	120	160	200					
	20'	2	41.0	81	121	161	201					

FOR DOOR SIZES LESS THAN 19'4 CONTACT ENGINEERING

INTERIOR OF GARAGE



REV [DESCRIPTION (OF REVISIO	ONS		DATE	BY	
MAX 20'2 DESIGN	SIZE × 24'	(TX PE #85829) Firm #F-004063)	٠	TATEO	FTE	to 11.	o, NC 27410
+22.		TX (TX	*		7	*	Greensbor
+34	LOADS .4 PSF .5 PSF	Thomas L. Shelmerdine, PE (TX PE #85829 Structural Solutions, PA (TX Firm #F-00406	1//	OMAS L. S 858 C. L./CE	329 NSED		5921-G W. Friendly Ave., Greensbor
IMF	MISSLE PACT STANCE	Thomas l Structural	TX	COSION	ALEN	GIM'S	5921-G W. F

165 CARRIAGE COURT VINSTON-SALEM, N.C. 27105 WWW.AMARR.COM

MODEL 2700 (27 GA) MODEL 2720 (20 GA)

SIZE DRAWN BY RLR DATE 05/10/13 DRAWING NUMBER
B CHECKED BY DATE IBC-2720-130-26-1