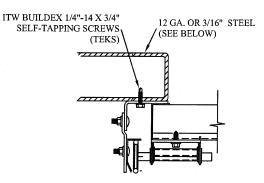


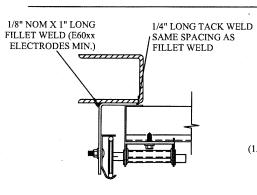
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

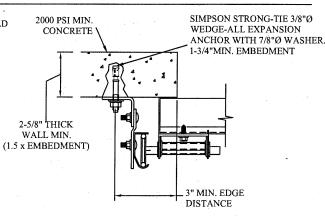
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

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

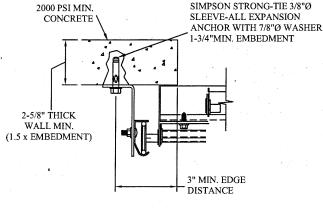


CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT AVAILABLE

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

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.

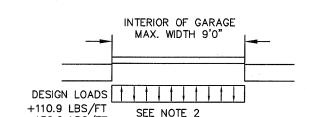


CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

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

SPECIFICATIONS AND NOTES

- 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: +110.9 LBS/FT AND -130.2 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 4. DOOR SECTIONS SHALL BE 20 GA. (.033) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 24' HIGH USE (1) 2" 20GA STRUTS ON INTERMEDIATE AND BOTTOM SECTIONS.
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED
 BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



$\frac{2\ X\ 6\ VERTICAL\ JAMB\ ATTACHMENT\ TO\ GROUTED\ C-90\ BLOCK\ (2000\ PSI\ GROUT)}{HILTI \ SLEEVE\ ANCHOR\ 3/8"\ X\ 2-3/4"\ STARTING\ 6"\ FROM\ ENDS\ THEN\ 24"\ O.C.\ (1\ 1/4"\ EMBEDMENT)}{(OR, USE\ FASTENERS\ FOR\ HOLLOW\ C-90\ BLOCK)}$

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

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)

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

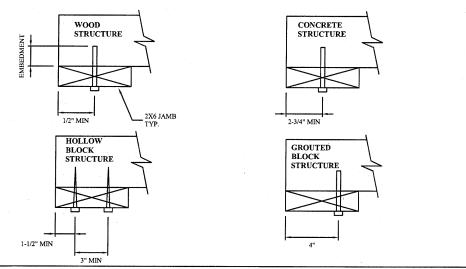
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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)

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 1/4" EMBEDMENT)

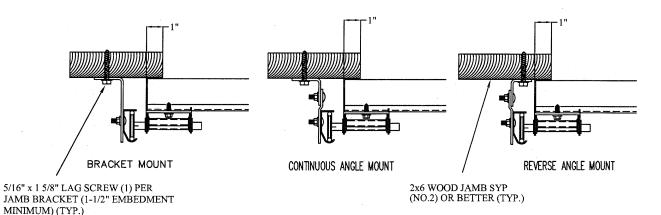
GI'S APARTI AT 24" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS

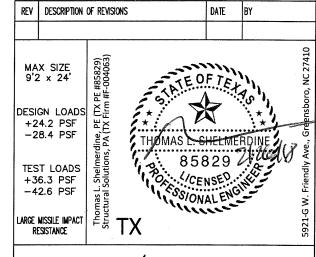


TRACK CONNECTION TO WOOD JAMB OPTIONS

-130.2 LBS/FT

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL





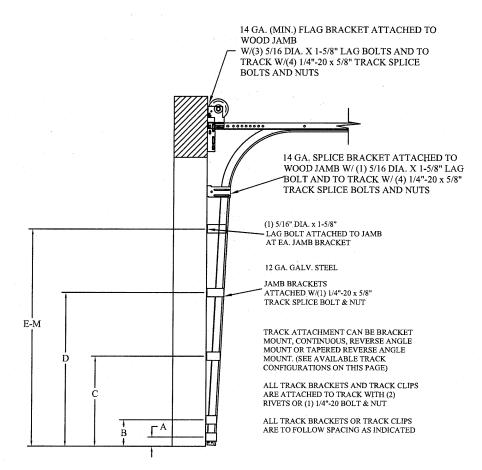


MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	RLR	DATE	8/1/17	Drawing Number
В	CHECKED BY				IBC-2009-130-11-I
165 CA	I RRIAGE COUF	SHEET 2 OF 3			

TABLE 1

Sec	tion	Center Stile Locations					
Wic	łth	1st	2nd				
(ft		(in)	(in)				
	0	36"					
6'	2	37"					
6'	4	23"	53"				
	6	24"	54"				
	8	25"	55"				
6'	10	26"	56"				
7'	0	27"	57"				
7'	2	28"	58"				
7'	4	27"	61"				
7'	6	28"	62"				
7'	8	29"	63"				
7'	10	30"	64"				
8'	0	31"	65"				
8'	2	32"	66"				
8'	4	32"	68"				
8'	6	33"	69"				
8'	8	34"	70"				
000000000000000000000000000000000000000	10	35"	71"				
9'	0	36"	72"				
9	2	37"	73"				

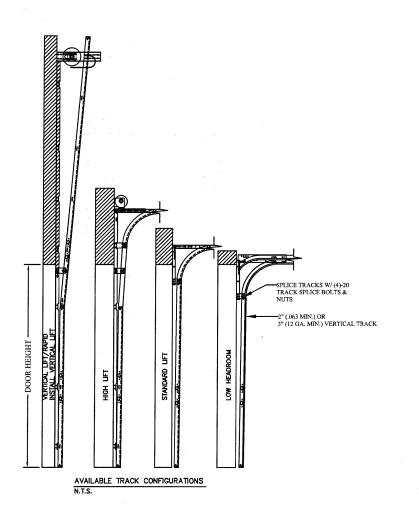


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS SEE TABLE 2

TABLE 2

DOOR		TRACK ATTACHMENT										TYPICAL			
HEI	IGHT	Α	В	С	D	E	F	G	Н	ı	J	K	L	М	SPLICE
7'	0"	3.5"	10"	34"	58"										76"
7'	6"	3.5"	10"	34"	58"										82"
8'	0"	3.5"	10"	34"	58"										88"
8'	6"	3.5"	10"	34"	58"	70"									94"
9'	0"	3.5"	10"	34"	58"	70"									100"
9'	6"	3.5"	10"	34"	58"	70"	94"								106"
10'	0"	3.5"	10"	34"	58"	70"	94"								112"
11'	0"	3.5"	10"	34"	58"	70"	94"					-			124"
12'	0"	3.5"	10"	34"	58"	70"	94"	118"							136"
13'	0"	3.5"	10"	34"	58"	70"	94"	118"				1			148"
14'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"						160"
15'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"						172"
16'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"					184"
17'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"					196"
18'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"				208"
19'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"				220"
20'	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			232"
21	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			244"
22	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		256"
23	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		268"
24	0"	3.5"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"	262"	280"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY.



	DCV	DECOMPTION	OC DC140	ionic			-	DV		
	REV	DESCRIPTION	IONS		DAT	t ·	BY			
	9'2	X SIZE ! x 24'	(TX PE #85829) Firm #F-004063)	تمي	STATE	OF 7	EX			5921-G W. Friendly Ave., Greensboro, NC 27410
	DESIGN LOADS +24.2 PSF -28.4 PSF		ΨĚ / *			SL SHELMERDINE 85829 WILLIAM				
	+3 -4	T LOADS 6.3 PSF 2.6 PSF	Thomas L. Shelmerdine, PE Structural Solutions, PA (TX I		,		O. NG			3 W. Friendly
		MISSILE IMPACT ESISTANCE	Stru	TX						5921-
-					nai Reimat		-			
	MO	DEL 20	000	AMAF	RR 20	02,	20	12,	202	2
	SIZE	DRAWN BY	RLR	DATE 8/	1/17			RAWING NU		
	В	CHECKED BY	RLR	DATE 8/	1/17		3C-2	009-1	30–11	-
	165 CA	RRIAGE COU		EMATIC NSTON-SAI	EM, N.C. 2	27105 S	HEET	3 OF 3	3	