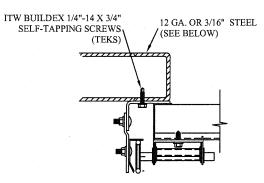


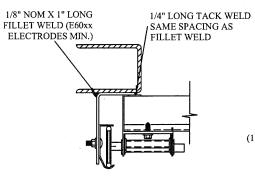
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

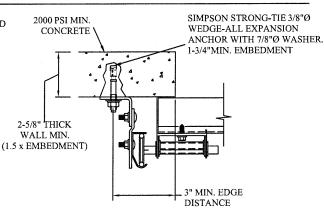
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING 569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS 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

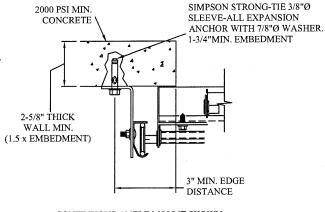


CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT AVAILABLE

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



- 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" REOUIRED.
- 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

- 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: +149.4 LBS/FT AND -175.5 LBS/FT
- 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 4. DOOR SECTIONS SHALL BE 25 GA. (.018) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24' HIGH USE (2) 2" 20GA STRUTS ON THE BOTTOM SECTION AND (1) 2" 20GA STRUT AND (1) 3" 20GA STRUT ON EACH INTERMEDIATE AND TOP SECTION
- 6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

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)

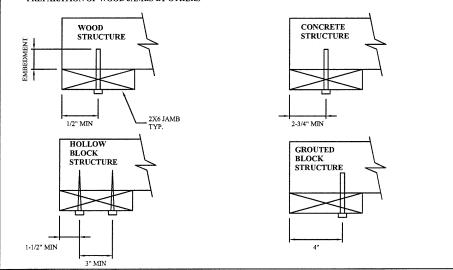
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2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

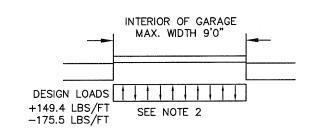
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/2" EMBEDMENT)

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)

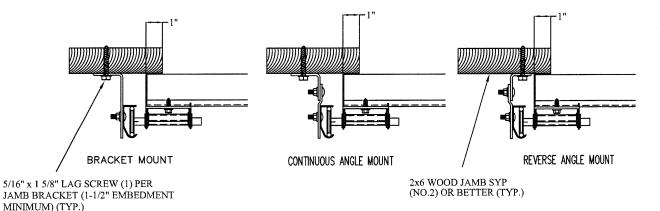
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. *PREPARATION OF WOOD JAMBS BY OTHERS

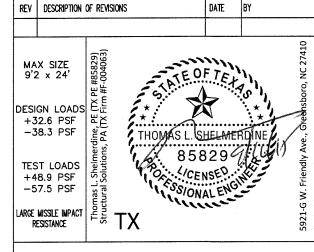




TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 3 FOR TRACK CONFIGURATION DETAIL

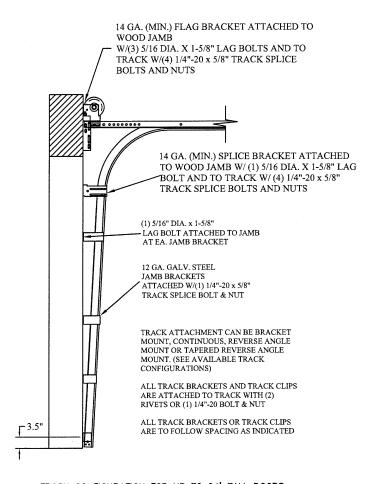




ENTRE/MATIC

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

AMARR MODEL 2500 (25GA) AMARR MODEL 2400 (24GA) AMARR MODEL 2000 (20GA)										
SIZE	DRAWN BY	RS	DATE	1/30/15	_	DRAWING NUMBER				
В	CHECKED BY	RLR	DATE	1/30/15		IBC-2509-150-15-I				
						SHEET 2 OF 3				



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

TABLE 1

Sect	ion	Center Stile Locations						
360	.1011							
Wid	lth	1st	2nd					
(ft)	(in)	(in)					
6'	0	36"						
6'	2	37"						
6'		23"	53"					
6'		24"	54"					
6'		25"	55"					
	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"					
X 0 0 X 0 X 0 X 0 X 0 X 0 X	6	33"	69"					
8'	8	34"	70"					
	10	35"	71"					
9'	0	36"	72"					
9'	2	37"	73"					

TABLE 2

DO	OR		TRACK ATTACHMENT										TYPICAL		
HEI	SHT	Α	В	С	D	E	F	G	Н	l i	J	K	L	M	SPLICE
7'	0"	3.5"	22"	46"	58"										76"
7'	6"	3.5"	22"	46"	70"										82"
8'	0"	3.5"	22"	46"	70"										88"
8'	6"	3.5"	22"	46"	70"										94"
9'	0"	3.5"	22"	46"	70"	82"									100"
9'	6"	3.5"	22"	46"	70"	94"									106"
10'	0"	3.5"	22"	46"	70"	94"									112"
11'	0"	3.5"	22"	46"	70"	94"	106"								124"
12'	0"	3.5"	22"	46"	70"	94"	118"								136"
13'	0"	3.5"	22"	46"	70"	94"	118"	130"							148"
14'	0"	3.5"	22"	46"	70"	94"	118"	142"							160"
15'	0"	3.5"	22"	46"	70"	94"	118"	142"	154"						172"
16'	0"	3.5"	22"	46"	70"	94"	118"	142"	166"						184"
17'	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	178"					196"
18'	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"					208"
19'	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	202"				220"
20'	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	214"				232"
21	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	214"	226"			244"
22	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	214"	238"			256"
23	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	214"	238"	250"		268"
24	0"	3.5"	22"	46"	70"	94"	118"	142"	166"	190"	214"	238"	250"	262"	280"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY. AMARR MODEL 2500 ONLY AVAILABLE UP TO 14"

-SPLICE TRACKS W/ (4)-20 TRACK SPLICE BOLTS & NUTS -2" (.063 MIN.) OR 3" (12 GA. MIN.) VERTICAL TRACK AVAILABLE TRACK CONFIGURATIONS N.T.S.

REV	DESCRIPTION OF REVISIONS						ATE	BY		
9'2 DESIG + 32 - 38 TES - 48 - 57	X SIZE X 24' SN LOADS 2.6 PSF 3.3 PSF T LOADS 3.9 PSF 7.5 PSF HISSILE IMPACT SISTANCE	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063) A (TX Firm #F-004063) TA (TX Firm #F-004063)			82	TEX ELMER ENG ENG	ROINE		5921-G W. Friendly Ave., Greentboro, NC 27410	
	_	ARRIAC AM AM	TF GE COUL ARR M	ODEL	2500 2400	(250 (240	I, N.C. 27 GA) GA)			
SIZE	Drawn by	RS	DATE	1/30/		(200		RAWING	NUMBER	

B CHECKED BY RLR DATE 1/30/15

| IBC-2509-150-15-I

SHEET 3 OF 3