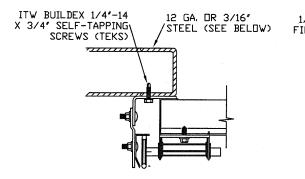


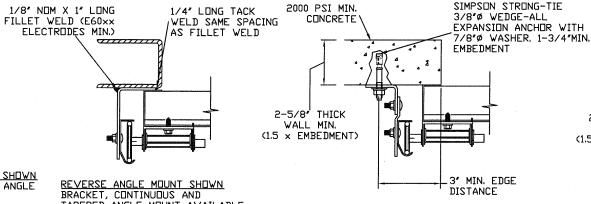
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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 10' 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



BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA DR BETTER 1590 LBS./IN, ALLOWABLE LOAD -6' FROM ENDS AND 24" O.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8 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 16' 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 16" O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

SPECIFICATIONS AND NOTES

SIMPSON STRONG-TIE

EXPANSION ANCHOR WITH

7/8"Ø WASHER, 1-3/4"MIN.

3/8'ø SLEEVE-ALL

EMBEDMENT

3' MIN. EDGE

DISTANCE

- 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: +252.2 LBS/FT AND -285.3 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. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24' HIGH USE (1) 5 1/2" R-TRUSS ON EACH SECTION AND (1) 3" STRUT ON BOTTOM 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 18" O.C. (1 1/2" EMBEDMENT)

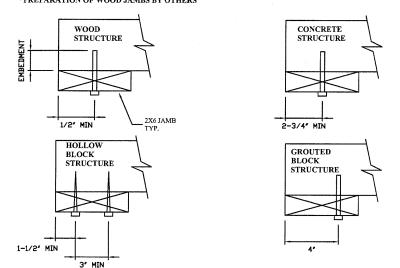
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 16" O.C. (1 1/4" EMBEDMENT) ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 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 8" O.C. (1 1/2" EMBEDMENT)

HILTI 14" 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 20" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

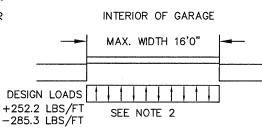
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



NOTES:

EMBEDMENT MINIMUM> (TYP.)

- 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.



2000 PSI MIN

2-5/8" THICK

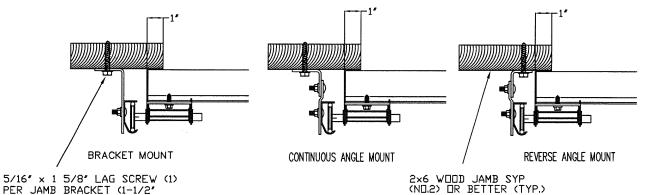
WALL MIN.

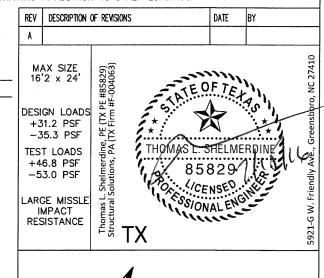
 $(1.5 \times EMBEDMENT)$

CONCRETE

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 2 ON PAGE 3







MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	RLR	DATE	5/31/16	DRAWING NUMBER 1BC-2416-150-26-1						
В	CHECKED BY	RLR	DATE	5/31/16							
165 C	ARRIAGE COU	SHEET	2	0F	3						

T	Α	R	ı	F	1
	/		_	_	

IAD	nationa										
	- 4:	Center Stile Locations (Measured from Left Edge)									
1	ction			T							
VVIC	lth (ft)	1st	2nd	3rd							
	I	(in)	(in)	(in)							
9'	4"	36"	76"	-							
9'	6"	37"	77"	-							
9'	8"	38"	78"	-							
9'	10"	39"	79"	-							
10'	0"	40"	80"	-							
10'	2"	41"	81"	-							
10'	4"	42"	82"	ew							
10'	6"	43"	83"	-							
10'	8"	44"	84"								
10'	10"	45"	85"	-							
11'	0"	46"	86"	-							
11'	2"	47"	87"	-							
11'	4"	48"	88"	-							
11'	6"	49"	89"	-							
11'	8"	50"	90"	-							
11'	10"	51"	91"	-							
12'	0"	48"	96"	-							
13'	0"	36"	78"	120"							
13'	2"	37"	79"	121"							
13'	4"	38"	80"	122"							
13'	6"	39"	81"	123"							
13'	8"	40"	82"	124"							
13'	10"	41"	83"	125"							
14'	0"	42"	84"	126"							
14'	2"	43"	85"	127"							
14'	4"	44"	86"	128"							
14'	6"	45"	87"	129"							
14'	8"	46"	88"	130"							
14'	10"	47"	89"	131"							
15'	0"	48"	90"	132"							
15'	2"	49"	91"	133"							
15'	4"	50"	92"	134"							
15'	6"	51"	93"	135"							
15'	8"	52"	94"	136"							
15'	10"	53"	95"	137"							
16'	0"	48"	96"	144"							
16'	2"	49"	97"	145"							

^{*}FOR WIDTHS 12'-2" TO 12'-10" CONTACT ENGINEERING FOR STILE PLACEMENT

TABLE 2

DOOR TRACK ATTACHMENT								T																
HEIGHT	Α	В	С	D	E	F	G	Н	l i	J	K	L	M	N	0	Р	Q	R	S	T	U	V	W	SPLICE
7' 0"	3.5"	10"	22"	34"	46"	58"																		76"
7' 6"	3.5"	10"	22"	34"	46"	58"																		82"
8' 0"	3.5"	10"	22"	34"	46"	58"	70"																	88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	82" -													<u> </u>			94"
9' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"																100"
9' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"										<u> </u>					106"
10' 0"	3,5"	10"	22"	34"	46"	58"	70"	82"	94"							·								112"
11' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"														124"
12' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"										·		148"
14' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	2001						208"
19' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	0449					220"
20' 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	0000				232"
21 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	000#			244"
22 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	050"		256"
23 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	OCOL	268"
24 0"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

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

