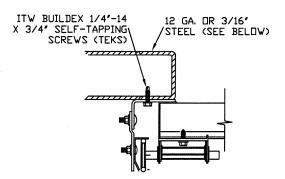


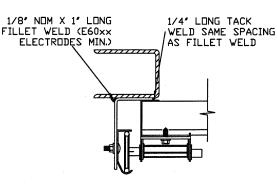
# TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

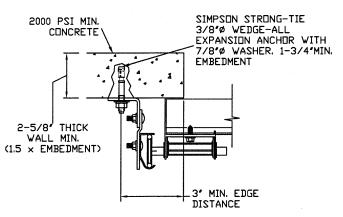
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 16' D.C.
REFER TO NOTES: 1, 2 AND 5

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



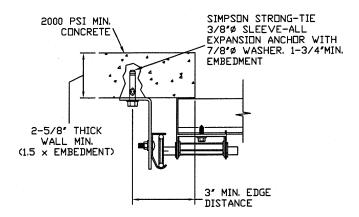
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD -6' FROM ENDS AND 24' 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 24' D.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
LDAD - 6' FROM ENDS AND 24' D.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: +167.9 LBS/FT & -192.2 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, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 24'0" HIGH USE (2) 3" 20GA STRUTS ON EVERY MODEL 2400/2000 SECTION & (1) 3-3/8" x .100" EXTRUDED ALUMINUM STRUT ON THE 3550 SECTION.

6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS

# DESIGN LOADS DESIGN LOADS SEE NOTE 2

# 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)

ITM/PAMSET REDHEAD (TRIL-BOLT) 3/8" X 4" STARTING 6" FROM EN

ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

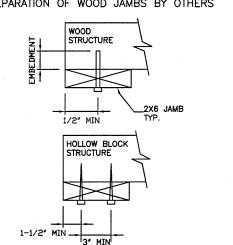
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART)

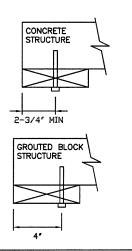
AT 16" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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





#### NOTES

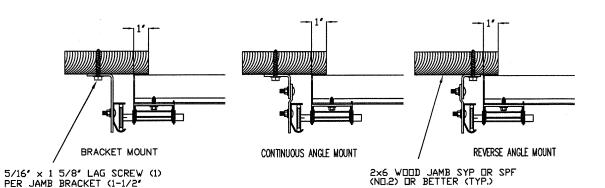
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE, HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3' REQUIRED.

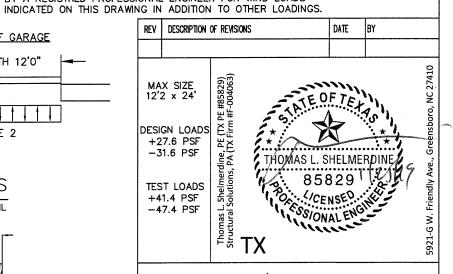
EMBEDMENT MINIMUM) (TYP.)

- 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.

# TRACK CONNECTION TO WOOD JAMB OPTIONS

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







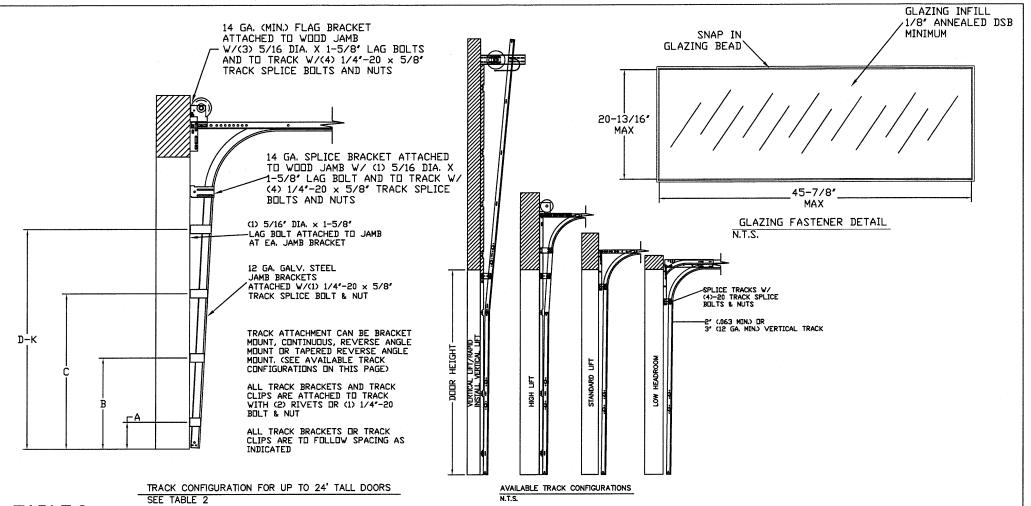
MODEL 2400/3550 AMARR 2402/3552, 2412/3552, 2422/3552 MODEL 2000/3550 AMARR 2002/3552, 2012/3552, 2022/3552

SIZE	DRAWN BY	DRD	DATE	5/3/18		_			NUMBER	
В	CHECKED BY	RLR	DATE	6/6/18		IBC-2	41	2-	140-6	3-A
165 0	SHEET	2	0F	3						

# TABLE 1

Sec	tion		er Stile		ign Loads	
Wie		Loca	ations	Allo	wed	
(f		1st 2nd		Positive	Negitive	
(,	• )	(in)	(in)	(PSF)	(PSF)	
6'	0"	36"	-	37.1	42.5	
6'	2"	37"	-	36.1	41.4	
6'	4"	38"	-	35.2	40.3	
6'	6"	39"	-	34.3	39.2	
6'	8"	40"	-	33.4	38.3	
6'	10"	41"	-	32.6	37.3	
7'	0"	42"	-	31.8	36.4	
7'	2"	43"	-	31.1	35.6	
7'	4"	44"		30.4	34.8	
7'	6"	45"	-	29.7	34.0	
7'	8"	46"	_	29.1	33.3	
7'	10"	47"	-	28.4	32.6	
8'	0"	48"	-	27.8	31.9	
9'	2"	37"	73"	36.6	41.9	
9'	4"	36"	76"	35.0	40.1	
9'	6"	37"	77"	34.5	39.6	
9'	8"	38"	78"	34.1	39.1	
9'	10"	39"	79"	33.7	38.6	
10'	0"	40"	80"	33.2	38.1	
10'	2"	41"	81"	32.8	37.6	
10'	4"	42"	82"	32.3	37.0	
10'	6"	43"	83"	31.8	36.4	
10'	8"	44"	84"	31.3	35.8	
10'	10"	45"	85"	30.8	35.3	
11'	0"	46"	86"	30.3	34.7	
11'	2"	47"	87"	29.9	34.2	
11'	4"	48"	88"	29.4	33.7	
11'	6"	49"	89"	29.0	33.2	
11'	8"	50"	90"	28.6	32.7	
11'	10"	51"	91"	28.2	32.3	
12'	0"	48"	96"	27.7	31.7	
12'	2"	49"	97"	27.6	31.6	

<sup>\*</sup>CONTACT ENGINEERING FOR SIZES BETWEEN 8'2"-9'0"



### TABLE 2

DO	OR	TRACK ATTACHMENT										TYPICAL	
HEI	GHT	Α	В	С	D	E	F	G	Н	ı	J	K	SPLICE
7'	0"	10.0"	34"	58"									76"
7'	6"	10.0"	34"	58"									82"
8'	0"	10.0"	34"	58"									88"
9'	0"	10.0"	34"	58"	82"								100"
9'	6"	10.0"	34"	58"	82"				÷				106"
10'	0"	10.0"	34"	58"	82"								112"
11'	0"	10.0"	34"	58"	82"	106"							124"
12'	0"	10.0"	34"	58"	82"	106"							136"
13'	0"	10.0"	34"	58"	82"	106"	130"						148"
14'	0"	10.0"	34"	58"	82"	106"	130"						160"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	15 <del>4</del> "	178"				196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

ALL TRACK ATTACHMENTS +/- 1.5" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

	OLOGIN HOM	OF REVISION	<u> </u>		DATE	BY	
12'2 DESIG +27 -31 TEST +41	SIZE × 24' N LOADS 7.6 PSF .6 PSF T LOADS .4 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)		AS L. S 858 VICEI	329	Wig	5921-G W. Friendly Ave., Greensboro, NC 27410
		550 AM	ENTR <i>EM</i>	3552, 2	: : : : :412/35	552, 2422/ 552, 2022/	
	DRAWN BY	DRD (	DATE 5/3/18			DRAWING NUMBE	

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 3 OF 3