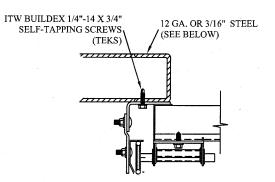


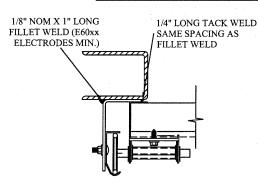
#### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

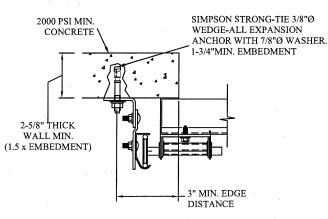
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 16" O.C.
REFER TO NOTES: 1. 2 AND 5

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



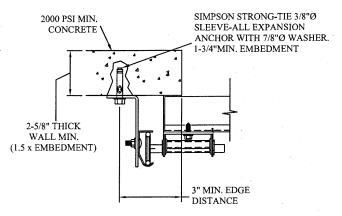
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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



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

## 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 16" O.C. (1 1/2" EMBEDMENT)

HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,

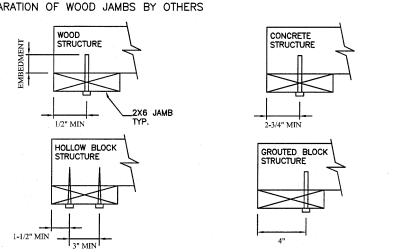
USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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



#### NOTE

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.

#### 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 27 GA (015) MIN EXTERIOR SKI

4. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, G30 GALVANIZED W/ POLYESTER TOP COAT 5. ALUMINUM DOOR SECTION SHALL BE 6063 T6 ALUMINUM

.050" WALL THICKNESS (TYP.) ANODIZED OR POWDER COAT FINISH.

6. DOORS UP TO 24'0" HIGH HAVE (1) 2" 20GA STRUT ON EACH MODEL 2700/2720 TOP SECTION, (1) 3-3/8" x.100" EXTRUDED ALUMINUM STRUT ON 3550 SECTION, (1) 3" 20GA STRUT ON EACH 2700/2720 INTERMEDIATE SECTION, (1) 3" 20GA STRUT AND (1) 2" 20GA STRUT ON 2700/2720 BOTTOM SECTION

7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

### 

INTERIOR OF GARAGE

MAX SIZE
12'2 x 24'

DESIGN LOADS
+27.6 PSF
-31.6 PSF
-47.4 PSF
-47.4 PSF

THOMAS L. SHELMERDINE

THOMAS L. SHELME

# Amarr

MODEL 2700/3550 AMARR 2742/3552 MODEL 2720/3550 AMARR 2042/3552

SIZE DRAWN BY RLR DATE 10/18/17 DRAWING NUMBER

B CHECKED BY RLR DATE 10/18/17 IBC-2712-140-63-A

ENTREMATIC

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 0F 3

## TRACK CONNECTION TO WOOD JAMB OPTIONS

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

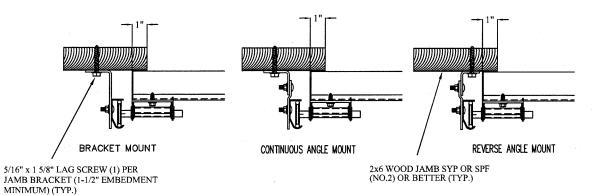
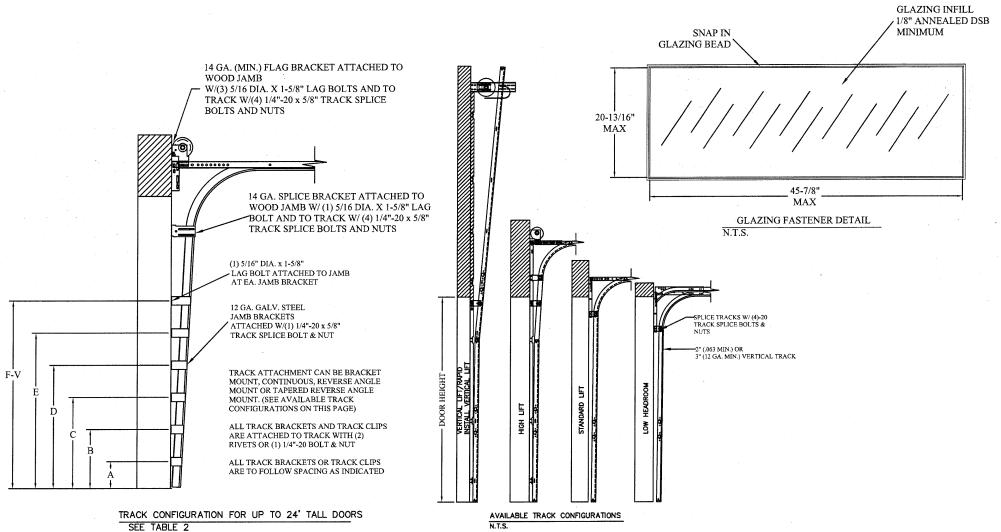


TABLE 1

Wic			ationa	Max Design Loads Allowed						
/ <del>f</del> 1	dth		ations							
(ft)		1st	2nd	Positive	Negitive					
	T	(in)	(in)	(PSF)	(PSF)					
6'	0"	36"	-	37.1	42.0					
6'	2"	37"	-	36.1	40.8					
6'	4"	38"		35.2	39.8					
6'	6"	39"		34.3	38.8					
6'	8"	40"	***	33.4	37.8					
6'	10"	41"	-	32.6	36.9					
7'	0"	42"		31.8	36.0					
7'	2"	43"	-	31.1	35.1					
7'	4"	44"	-	30.4	34.3					
7'	6"	45"	•	29.7	33.6					
7'	8"	46"	-	29.1	32.8					
7'	10"	47"	-	28.4	32.1					
8'	0"	48"	-	27.8	31.5					
9'	2"	37"	73"	36.6	41.4					
9'	4"	36"	76"	35.0	39.6					
9'	6"	37"	77"	34.5	39.1					
9'	8"	38"	78"	34.1	38.6					
9'	10"	39"	79"	33.7	38.1					
10'	0"	40"	80"	33.2	37.6					
10'	2"	41"	81"	32.8	37.1					
10'	4"	42"	82"	32.3	36.5					
10'	6"	43"	83"	31.8	35.9					
10'	8"	44"	84"	31.3	35.4					
10'	10"	45"	85"	30.8	34.8					
11'	0"	46"	86"	30.3	34.3					
11'	2"	47"	87"	29.9	33.8					
11'	4"	48"	88"	29.4	33.3					
11'	6"	49"	89"	29.0	32.8					
11'	8"	50"	90"	28.6	32.3					
11'	10"	51"	91"	28.2	31.9					
12'	0"	48"	96"	27.7	31.3					
12'	2"	49"	97"	27.6	31.2					

<sup>\*</sup>CONTACT ENGINEERING FOR SIZES BETWEEN 8'4"-9'0"



#### TABLE 2

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

REV	DESCRIPTION (	OF REVIS	IONS			DATE	BY	
12'2 DESI0 +2	X SIZE 2 x 24' GN LOADS 7.6 PSF 1.6 PSF	e, PE (TX PE #85829) A (TX Firm #F-004063)		* THOM	ATEO	FIE	AS TOPAGE	. Greeńsboro, NC 27410
+4	T LOADS 1.4 PSF 7.4 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063	TX	ROK.	858		XXXX	5921-G W. Friendly Ave., Greensboro, NC 27410
					OTT MATIC	_		
	MODEI MODEI						42/35 42/35	
SIZE	DRAWN BY	RLR	DATE	10/18/	17	- 1	DRAWING NUME	
В	CHECKED BY		DATE	10/18/	17	IRC-	2712-140	1-63-A
165 C	ARRIAGE COU	ENTRE JRT WI		SALEM,	N.C. 2710	5 SHEET	3 OF 3	