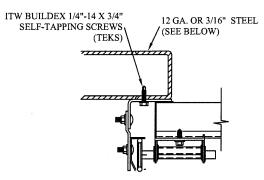


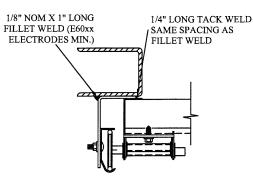
## TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

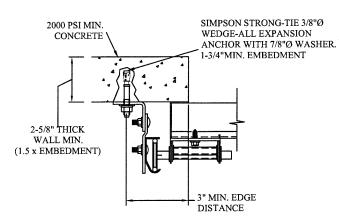
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 16" O.C.
REFER TO NOTES: 1, 2 AND 5

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



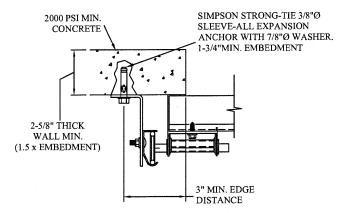
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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

#### 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: +166.5~LBS/FT & -189.1~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. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

SOLLED FORMED, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 24'0" HIGH USE (2) 3" 20GA STRUTS ON BOTTOM SECTION
(1) 3" 20GA STRUT AT THE TOP OF EVERY INTERMEDIATE SECTION & (1) 2" 20GA
STRUT ON BOTTOM OF EVERY OTHER INTERMEDIATE SECTION STARTING ON WITH
THE THIRD SECTION, AND (1) 2" 20GA STRUT ON THE 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 16" O.C. (1 1/2" EMBEDMENT)

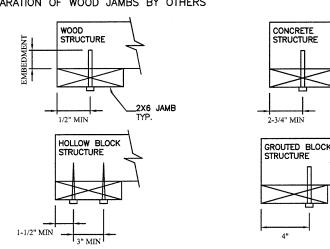
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,

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)

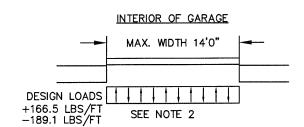
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



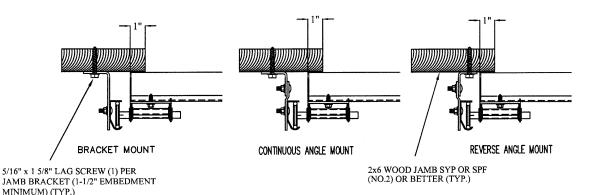
#### NOTES:

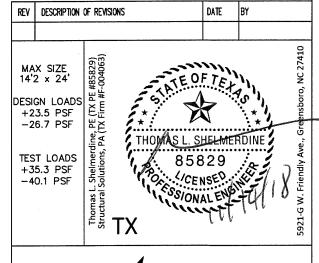
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
- 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.
- $8.\ \mbox{FILLET}$  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

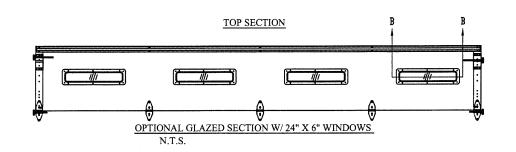


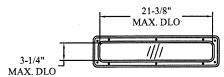




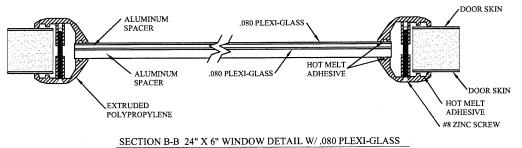
#### MODEL 1000 AMARR 2432

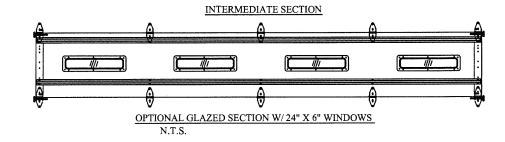
SIZE	Drawn by	DRD DATE 3/8/18				Drawing Number						
В	CHECKED BY	RLR	DATE	3/14/18	☐ IBC-	-1(	)14	14-130-15				
165 CA	I RRIAGE COU	SHEET	2	0F	4							

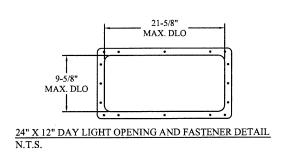


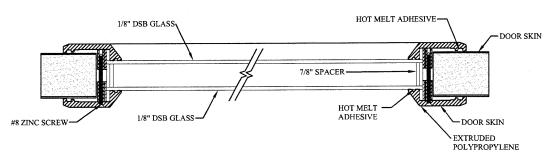


24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.

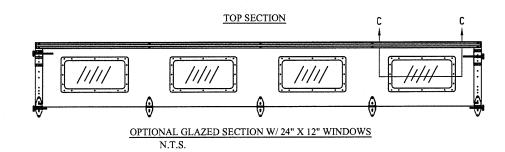






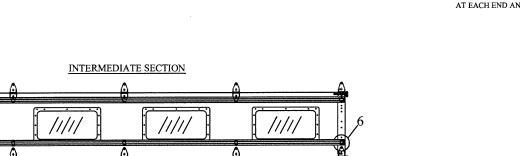


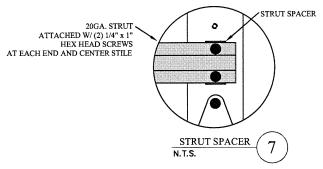
SECTION C-C 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS N.T.S.

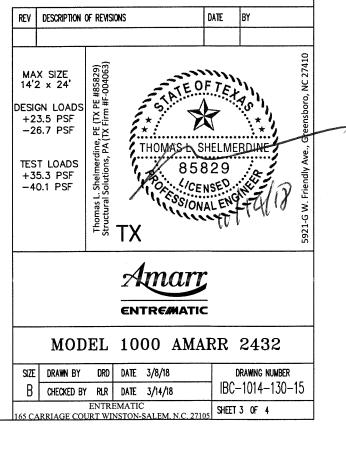


OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS

N.T.S.



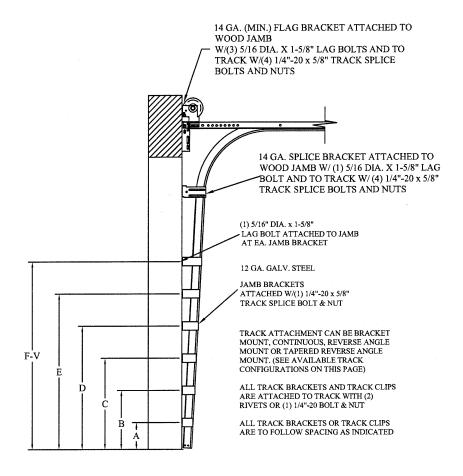




### TABLE 1

Sec			r Stile Lo		Max Design Loads Allowed				
1	Width (ft)		2nd	3rd	Positive Negitive				
L `		(in)	(in)	(in)	(PSF)	(PSF)			
6'	0"	36"	-	_	27.7	31.5			
6'	2"	37"	•	-	26.9	30.6			
6'	4"	38"	-	-	26.2	29.8			
6'	6"	39"	-	-	25.6	29.0			
6'	8"	40"	-	-	24.9	28.3			
6'	10"	41"	-	-	24.3	27.6			
7'	0"	42"	-	-	23.7	27.0			
9'	4"	36"	76"	-	26.1	29.7			
9'	6" 37"		77"	-	25.8	29.3			
9'	8"	38"	78"	-	25.4	28.9			
9'	10"	39"	79"	-	25.1	28.5			
10'	0"	40"	80"	-	24.8	28.2			
10'	2"	41"	81"	-	24.5	27.8			
10'	4"	42"	82"	-	24.2	27.5			
10'	6"	43"	83"	-	23.9	27.2			
10'	8"	44"	84"	-	23.6	26.8			
13'	0"	36"	78"	120"	23.6	26.8			
13'	2"	37"	79"	121"	23.6	26.8			
13'	4"	38"	80"	122"	23.6	26.8			
13'	6"	39"	81"	123"	23.6	26.8			
13'	8"	40"	82"	124"	23.6	26.8			
13'	10"	41"	83"	125"	23.6	26.8			
14'	0"	42"	84"	126"	23.6	26.8			
14'	2"	43"	85"	127"	23.5	26.7			

<sup>\*</sup> CONTACT ENGINEERING FOR SIZES 7'2" THROUGH 9'2" & 10'10" THROUGH 12'10"

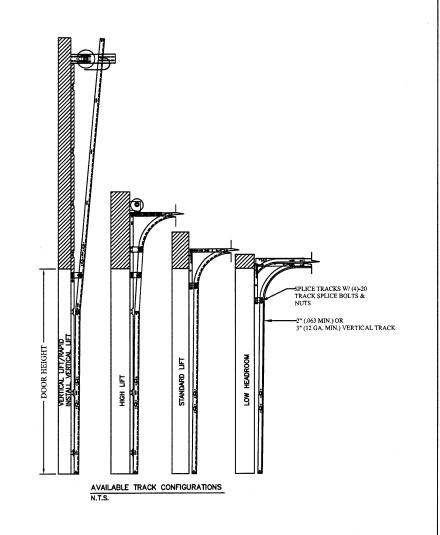


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



DO	OR	1									TR/	ACK AT	TACHM	ENT						IYPICAL				
HEK	SHT	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	P	Q	R	S	T	U	V	SPLICE
7'	0"	10"	22"	34"	46"	58"																		76"
7'	6"	10"	22"	34"	46"	58"	70"																	82"
8'	0"	10"	22"	34"	46"	58"	70"																	88"
8'	6"	10"	22"	34"	46"	58"	70"	82"				-												94"
9'	0"	10"	22"	34"	46"	58"	70"	82"																100"
9'	6"	10"	22"	34"	46"	58"	70"	82"	94"															106"
10'	0"	10"	22"	34"	46"	58"	70"	82"	94"															112"
11'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"						T								124"
12'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	,											148"
14'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23	0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24	0"	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 Revisi	ONS			DATE	BY	
14'2 DESIG +2: -2: TES +3:	X SIZE 2 x 24' GN LOADS 3.5 PSF 6.7 PSF T LOADS 5.3 PSF 0.1 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	THOM AND THOM	IASIL S 858 4/CEI	HELMEN 129 NSEO ALEVO	RDINE	5921-G W. Friendly Ave., Greensboro, NC 27410
			ZA EN	_	CATI	_		
	MOD	EL	10	00	AMA	RR	2432	
SIZE	DRAWN BY	DRD	DATE	3/8/1	8		RAWING NUMB	- 1
В	CHECKED BY		DATE	3/14/	<b>1</b> 18	IBC-	-1014–13	0-15
165 CA	ARRIAGE COU	ENTRI JRT WI			M. N.C. 271	05 SHEET	4 OF 4	