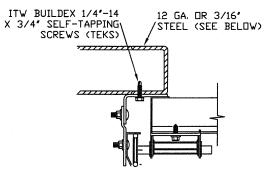


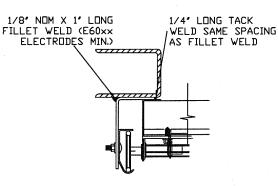
## TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

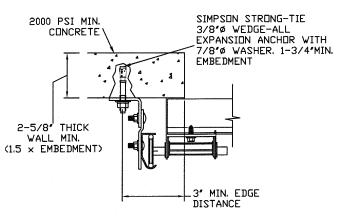
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 18" O.C. REFER TO NOTES: 1, 2 AND 5

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



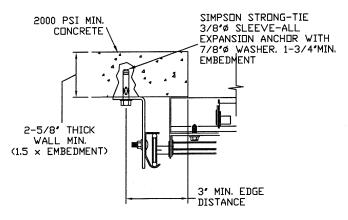
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA DR BETTER 1590 LBS./IN. ALLOWABLE LOAD -6" FROM ENDS AND 24" D.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8 P TIVA



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 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:

+152.5 LBS/FT & -177.4 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 HAVE (1) 3" 20GA STRUT AND (1) 2" 20GA STRUT

ON BOTTOM AND INTERMEDIATE SECTIONS. TOP SECTION WILL HAVE (2) 2" 20GA STRUTS. 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 THÉN 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)

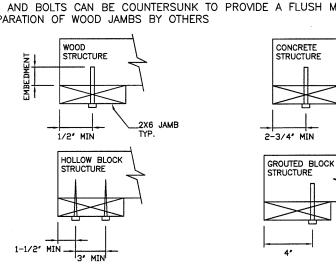
AT 16" O.C. (1 1/2" EMBEDMENT) HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

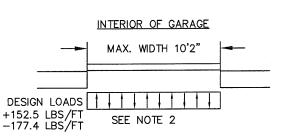
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)

(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

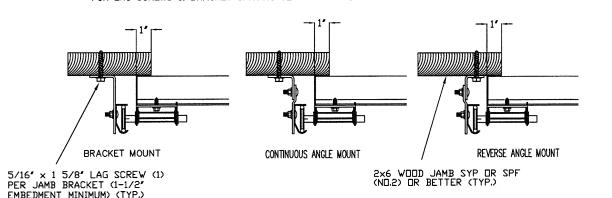


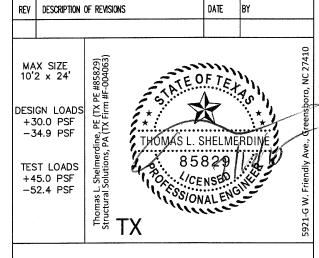
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE, HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. FGDE DISTANCE DE 3' REQUIRED
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
- 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
- 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 3 FOR TRACK CONFIGURATION DETAIL



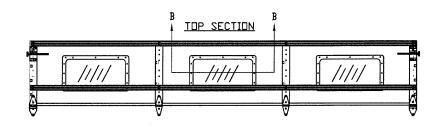


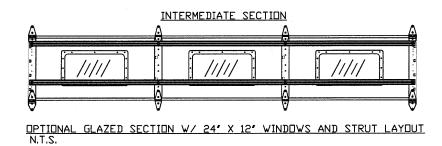
# ENTRE/MATIC

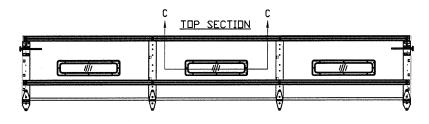
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

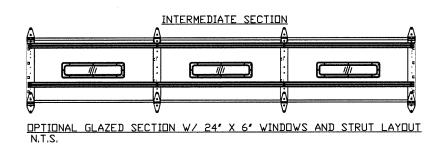
AMARR MODEL 2400 24GA AMARR MODEL 2000 20GA

SIZE	DRAWN BY	RS	DATE	1/21/15	Drawing Number
В	CHECKED BY	RLR	DATE	1/21/15	  IBC-2410-145-15
					SHEET 2 OF 4







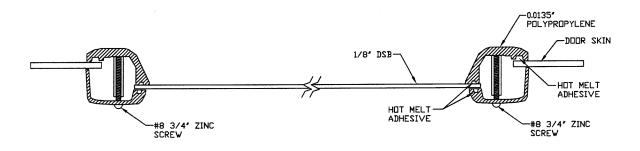


#8 3/4' ZINC—

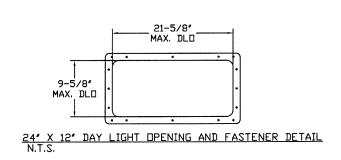
#B 3/4' ZINC—

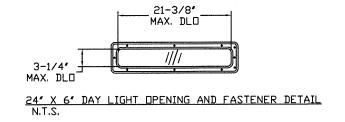
\*\*B 3/4' ZINC—

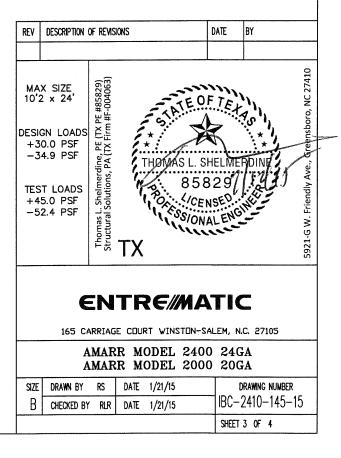
SECTION B-B 24' X 12' WINDOW DETAIL W/ .080 PLEXI-GLASS N.T.S.



SECTION C-C 24' X 6' WINDOW DETAIL W/ 1/8' DSB N.T.S. (ALSO AVAILABLE WITH .080' PLEXI-GLASS)







#### TABLE 1

Section

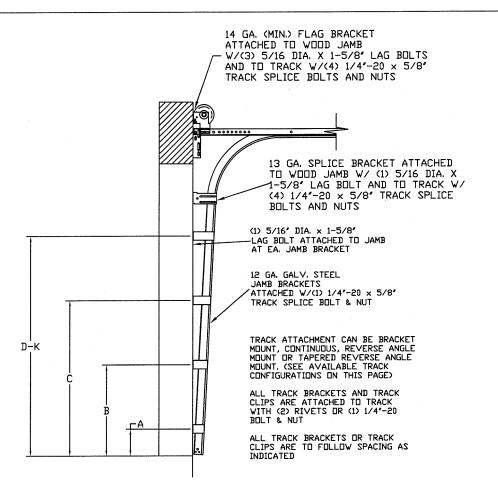
Center Stile

Locations

10/6	d <b>t</b> h	Loca	ations	Allowed			
Width (ft)		1st	2nd	Positive	Negitive		
		(in)	(in)	(PSF)	(PSF)		
6'	8' 0" 36" -		33.5	39.0			
6'	2"	37"	-	32.6	38.0		
6'	4"	38"	-	31.8	37.0		
6'	6"	39"	cost	30.9	36.0		
6'	8"	40"	-	30.2	35.1		
6'	10"	41"	<b>1</b> 23	29.4	34.3		
7'	0"	42"	-	28.7	33.4		
7'	2"	43"	- Care	28.1	32.7		
7'	4"	44"	Seed.	27.4	31.9		
7'	6"	45"	alan	26.8	31.2		
7'	8"	46"	-	26.2	30.5		
7'	10"	47"	-	25.7	29.9		
8'	0"	48"	200	25.1	29.2		
8'	2"	49"	_	24.6	28.7		
8'	4"	50"	202	24.1	28.1		
8'	6"	51"		23.7	27.5		
8'	8"	52"	-	23.2	27.0		
8'	10"	" 53" -		22.8	26.5		
9'	0"	54"	-	22.3	26.0		
9'	2"	37"	73"	33.1	38.5		
9'	4"	36"	76"	31.8	37.0		
9'	6"	37"	77"	31.4	36.5		
9'	8"	38"	78"	30.9	36.0		
9'	10"	39"	79"	30.6	35.6		
10'	0"	40"	80"	30.2	35.1		
10'	2"	41"	81"	30.0	34.9		

Max Design Loads

Allowed

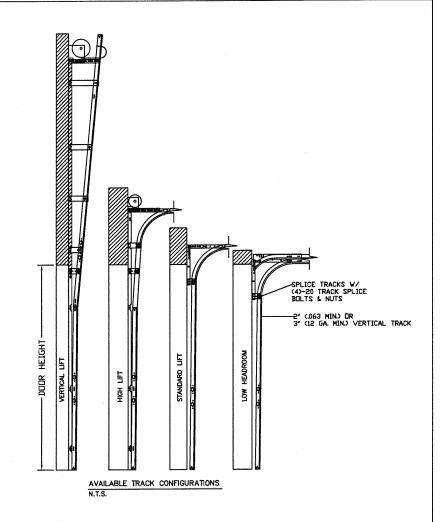


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS SEE TABLE 2

## TABLE 2

DO	OR	TRACK ATTACHMENT							TYPICAL				
HEK	GHT	Α	В	С	D	E	F	G	Н	ı	J	K	SPLICE
7'	0"	10"	34"	58"									76"
7'	6"	10"	34"	58"									82"
8'	0"	10"	34"	58"									88"
8'	6"	10"	34"	58"	82"								94"
9'	0"	10"	34"	58"	82"								100"
9'	6"	10"	34"	58"	82"								106"
10'	0"	10"	34"	58"	82"								112"
11'	0"	10"	34"	58"	82"	106"							124"
12'	0"	10"	34"	58"	82"	106"							136"
13'	0"	10"	34"	58"	82"	106"	130"						148"
14'	0"	10"	34"	58"	82"	106"	130"						160"
15'	0"	10"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'	0"	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

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



MAX SIZE 10'2 x 24'  DESIGN LOADS +30.0 PSF -34.9 PSF  THOMAS I. SHEIMENDING  THOMAS I. SHEIMENDING  TEST LOADS +45.0 PSF -52.4 PSF  THOMAS I. SHEIMENDING  THOM
TEST LOADS +45.0 PSF -52.4

# ENIREMAIIC

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

AMARR MODEL 2400 24GA AMARR MODEL 2000 20GA

SIZE	Drawn by	RS	DATE	1/21/15	Drawing Number
В	CHECKED BY	RLR	DATE	1/21/15	   IBC-2410-145-15
					SHEET 4 OF 4