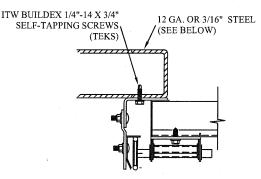


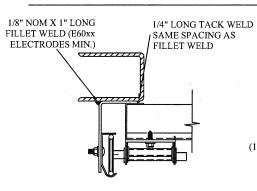
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

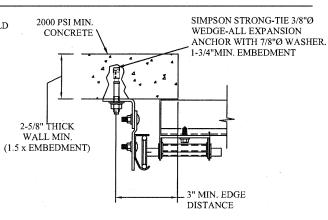
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 18" O.C. REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING 569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 24" 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

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

2000 PSI MIN

2-5/8" THICK WALL MIN. (1.5 x EMBEDMENT)

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

SPECIFICATIONS AND NOTES

SIMPSON STRONG-TIE 3/8"Ø SLEEVE-ALL EXPANSION ANCHOR WITH 7/8"Ø WASHER.

I-3/4"MIN. EMBEDMENT

TRANSFERRED FROM THE DOOR.

2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +149.9 LBS/FT AND -176.0 LBS/FT

3" MIN. EDGE

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

336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"

2000 PSI CONCRETE OR GREATER

REFER TO NOTES: 1, 2, 3, 4 AND 5

FROM ENDS AND 24" O.C.

- 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 4. DOOR SECTIONS SHALL BE 20 GA. (.033) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24' HIGH USE (1) 2" 20GA STRUT PER INTERMEDIATE SECTION AND (2) 2" 20GA STRUTS 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 24" O.C. (1 1/2" EMBEDMENT)

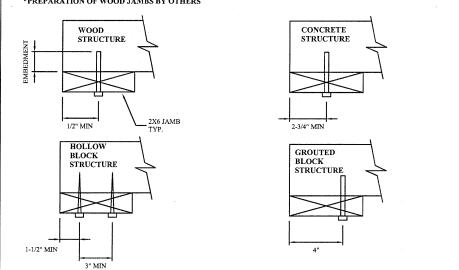
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2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

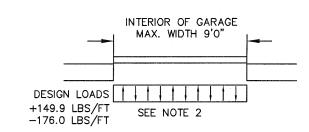
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (I 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



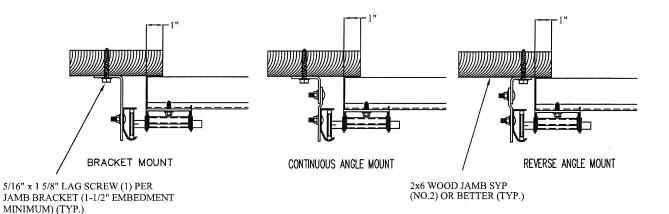
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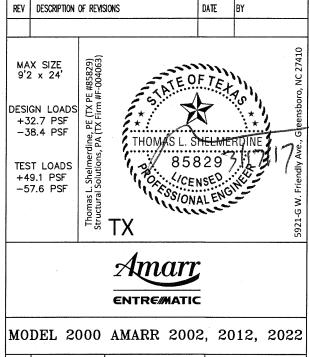
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER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





DRAWING NUMBER

IBC-2009-150-11

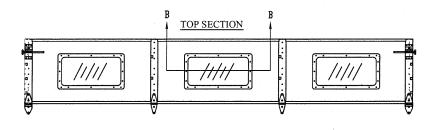
SHEET 2 OF 4

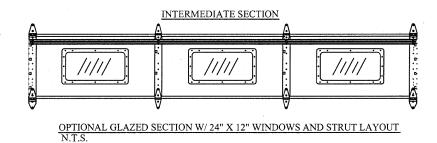
SIZE DRAWN BY RLR DATE 1/19/17

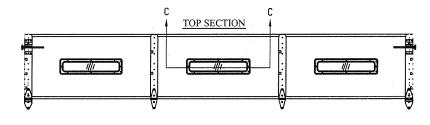
CHECKED BY RLR DATE 1/19/17

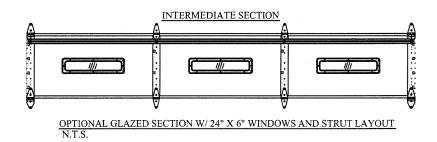
ENTREMATIC

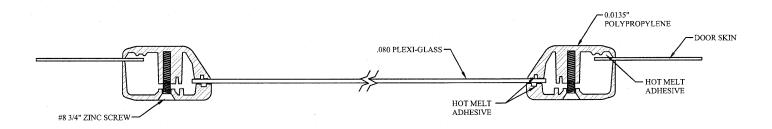
5 CARRIAGE COURT WINSTON-SALEM, N.C. 2710



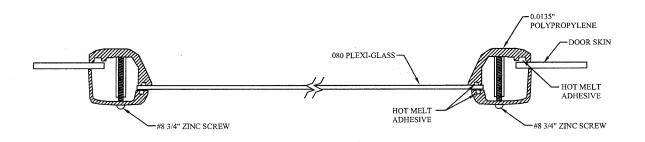






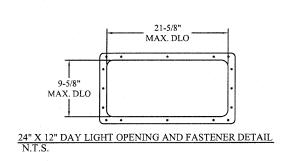


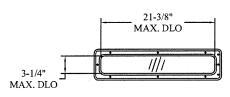
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS N.T.S.



SECTION C-C 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS

N.T.S. (ALSO AVAILABLE WITH 1/8" DSB GLASS)





 $\frac{24\text{" X 6"}}{\text{N.T.S.}}$ Day light opening and fastener detail N.T.S.

TX MAX SIZE 9'2 x 24' DESIGN LOADS +32.7 PSF -38.4 PSF -38.4 PSF TEST LOADS +49.1 PSF -57.6 PSF -57.6 PSF TX TX TX TX TX TX TX TX TX T	REV	DESCRIPTION	of Revisi	ONS	DATE	BY	
	MAX 9'2 DESIG +32 -38	X SIZE × 24' SN LOADS 2.7 PSF 3.4 PSF T LOADS	Shelmerdine, PE (TX PE #85829) Solutions, PA (TX Firm #F-004063)	THOMAS L.S	FIET	7.5	5

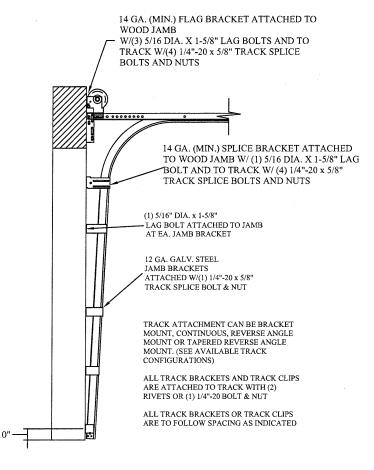
MODEL 2000 AMARR 2002, 2012, 2022

ENTRE/MATIC

SIZE	Drawn by	RLR	DATE					NUMBER
В	CHECKED BY	RLR	DATE	1/19/17	IBC-	20	ე9–	-150–11
165 CA	I RRIAGE COU	SHEET	3	0F	4			

TABLE 1

Sec	tion		r Stile tions	Max Design Loads Allowed				
\ A /: -	141-							
Wic		1st	2nd	Positive				
(ft)	(in)	(in)	(PSF)	(PSF)			
6'	0	36"		33.1	38.9			
6'	2	37"		32.2	37.8			
6'	4	23"	53"	45.0	52.8			
6'	6	24"	54"	44.2	51.9			
6'	8	25"	55"	43.4	50.9			
6'	10	26"	56"	42.6	50.0			
7'	0	27"	57"	41.8	49.1			
7'	2	28"	58"	41.1	48.3			
7'	4	27"	61"	39.1	45.9			
7'	6	28"	62"	38.5	45.2			
7'	8	29"	63"	37.8	44.4			
7'	10	30"	64"	37.2	43.8			
8'	0	31"	65"	36.7	43.1			
8'	2	32"	66"	36.1	42.4			
8'	4	32"	68"	35.1	41.2			
8'	6	33"	69"	34.5	40.6			
8'	8	34"	70"	34.1	40.0			
8'	10	35"	71"	33.6	39.4			
9'	0	36"	72"	33.1	38.9			
9'	2	37"	73"	32.7	38.4			

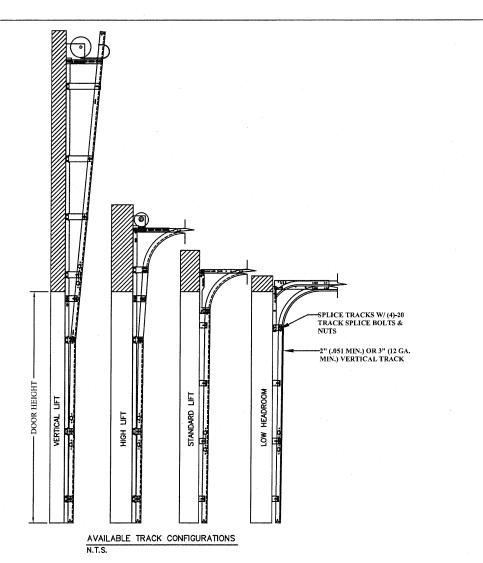


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

TABLE 2

DOOR	TRACK ATTACHMENT											TYPICAL												
HEIGHT	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	Q	R	S	T	U	V	W	SPLICE
7' 0"	10"	22"	34"	46"	58"																			76"
7' 6"	10"	22"	34"	46"	58"																			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"															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"	4 77 4 11											160"
15' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	4000										172"
16' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	4700									184"
17' 0"	10".	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	400"								196"
18' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	000"							208"
19' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	04.48						220"
20' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	000"					232"
21 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	220#				244"
22 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"
23 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	200"		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"

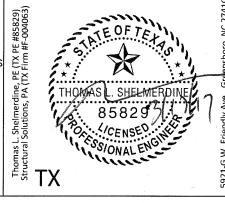
ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY.



REV DESCRIPTION OF REVISIONS DATE BY

MAX SIZE 9'2 x 24' DESIGN LOADS +32.7 PSF -38.4 PSF

TEST LOADS +49.1 PSF -57.6 PSF





MODEL 2000 AMARR 2002, 2012, 2022

SIZE	Drawn by	RLR	DATE	1/19/17	DRAWING NUMBER
В	CHECKED BY			, ,	IBC-2009-150-11
165 CA	I RRIAGE COU	SHEET 4 OF 4			