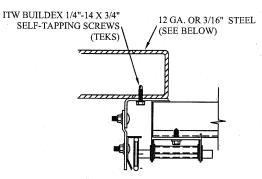


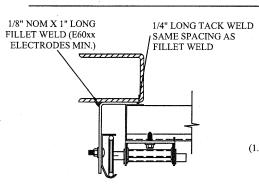
### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

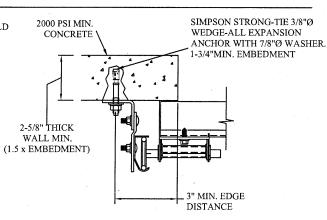
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

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

# 2-5/8" THICK WALL MIN. (1.5 x EMBEDMENT) 3" MIN. EDGE DISTANCE

2000 PSI MIN

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.

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

I-3/4"MIN. EMBEDMENT

- 2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +110.9 LBS/FT AND -130.2 LBS/FT
- 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
- DOORS UP TO 24' HIGH USE (1) 2" 20GA STRUTS ON INTERMEDIATE AND BOTTOM SECTIONS.
- 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)

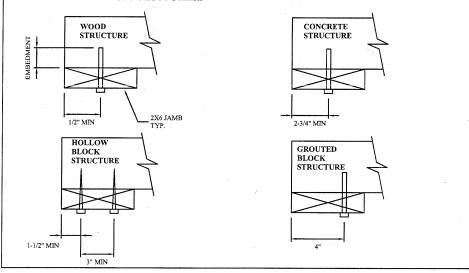
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2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

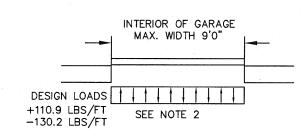
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



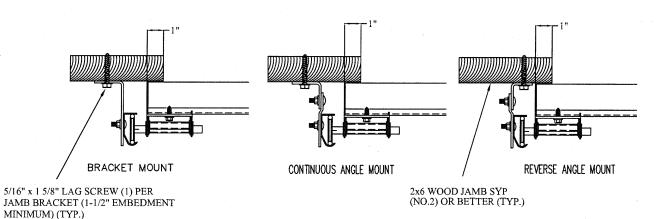
#### NOTES:

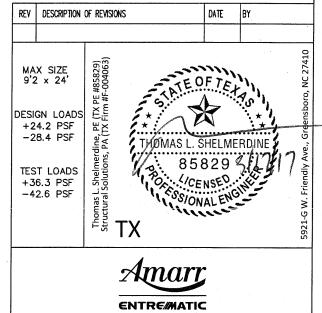
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
- 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. 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 2000 AMARR 2002, 2012, 2022

DRAWING NUMBER

IBC-2009-130-11

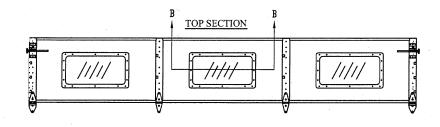
SHEET 2 OF 4

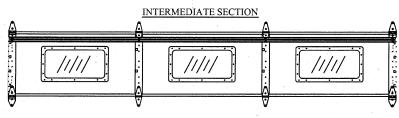
DRAWN BY RLR DATE 1/19/17

CHECKED BY RLR DATE 1/19/17

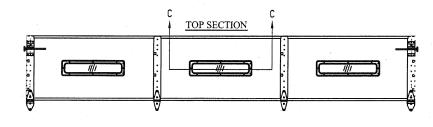
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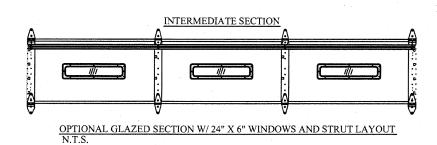
5 CARRIAGE COURT WINSTON-SALEM, N.C. 2710

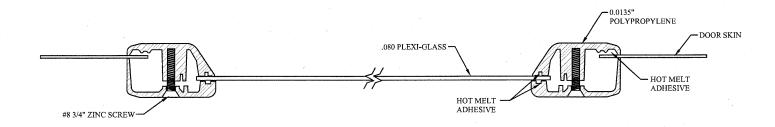




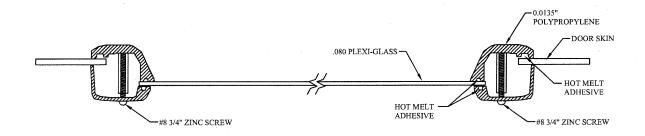
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT N.T.S.



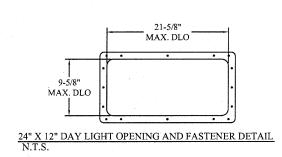


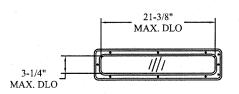


SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS N.T.S.



SECTION C-C 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S. (ALSO AVAILABLE WITH 1/8" DSB GLASS)



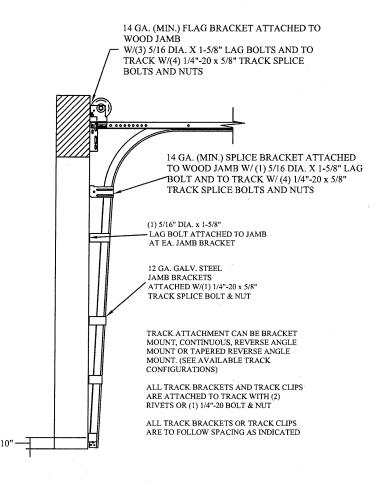


 $\frac{24"}{\rm N.T.S.}$  X 6" DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.

REV	DESCRIPTION	of Revision	IS	DA	ATE.	BY		
					-			
9'2 +2 +2 -2 TES +3	X SIZE 2 × 24' GN LOADS 4.2 PSF 8.4 PSF GT LOADS 6.3 PSF 2.6 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	X	OMAS	LL SHE B582 CENSTONAL	LME 95	POINE A	5921-G W. Friendly Ave., Greensboro, NC 27410
				na REIM		1.		
MO	DEL 20	000	AMA	RR 2	2002,	20	012,	2022
	DRAWN BY	RLR	DATE 1	/19/17			2009—1	
SIZE	Distant D1							

# TABLE 1

Section		Cente	r Stile	Max Design				
		Loca	tions	Loads Allowed				
Width		1st	2nd	Positive	Negitive			
(ft)		(in)	(in)	(PSF)	(PSF)			
	0	36"		24.5	28.7			
2,420,200,000	2	37"		23.8	28.0			
6'		23"	53"	33.3	39.1			
6'	4 (0X X 2000)	24"	54"	32.7	38.3			
6'		25"	55"	32.1	37.6			
300000000000000000000000000000000000000	10	26"	56"	31.5	37.0			
7'	0	27"	57"	30.9	36.3			
7'	2	28"	58"	30.4	35.7			
7'	4	27"	61"	28.9	33.9			
7'	6	28"	62"	28.4	33.4			
7'	8	29"	63"	28.0	32.9			
7'	10	30"	64"	27.6	32.3			
. 8'	0	31"	65"	27.1	31.8			
8'		32"	66"	26.7	31.4			
8'		32"	68"	25.9	30.4			
- 8'	C. C. C. C. C. C.	33"	69"	25.6	30.0			
8'		34"	70"	25.2	29.6			
	10	35"	71"	24.8	29.2			
9'	_	36"	72"	24.5	28.7			
9'	2	37"	73"	24.2	28.4			



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

# TABLE 2

DO	OR	TRACK ATTACHMENT										TYPICAL		
HEI	GHT	Α	В	С	D	E	F	G	Н	] ]	J	K	L	SPLICE
7'	0"	10"	34"	58"										76"
7'	6"	10"	34"	58"					T		1			82"
8'	0"	10"	34"	58"										88"
8'	6"	10"	34"	58"	70"									94"
9'	0"	10"	34"	58"	70"									100"
9'	6"	10"	34"	58"	70"	94"								106"
10'	0"	10"	34"	58"	70"	94"								112"
11'	0"	10"	34"	58"	70"	94"								124"
12'	0"	10"	34"	58"	70"	94"	118"							136"
13'	0"	10"	34"	58"	70"	94"	118"							148"
14'	0"	10"	34"	58"	70"	94"	118"	142"						160"
15'	0"	10"	34"	58"	70"	94"	118"	142"				·		172"
16'	0"	10"	34"	58"	70"	94"	118"	142"	166"					184"
17'	0"	10"	34"	58"	70"	94"	118"	142"	166"					196"
18'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				208"
19'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				220"
20'	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			232"
21	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			244"
22	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		256"
23	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		268"
24	0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"	262"	280"

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

