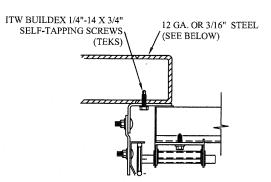


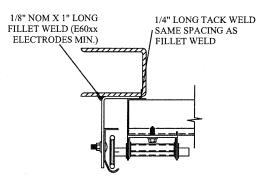
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

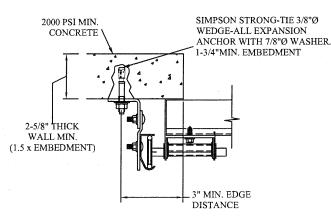
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 18" O.C.
REFER TO NOTES: 1, 2 AND 5

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



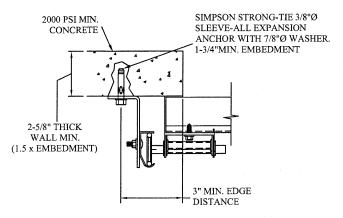
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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 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: +152.6 LBS/FT & -179.2 LBS/FT

3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.

4. DOOR SECTIONS SHALL BE 25 GA. (.018) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 10'0" HIGH USE (1) 2" 20 GA STRUT & (1) 3" 20GA STRUT ON EVERY 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)

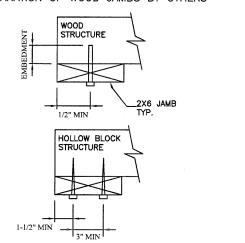
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

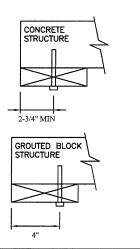
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

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)

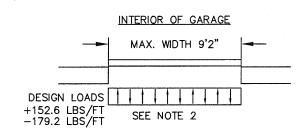
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. *PREPARATION OF WOOD JAMBS BY OTHERS





NOTES

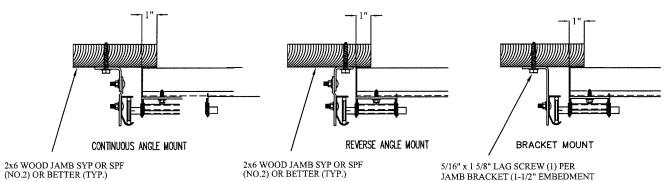
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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

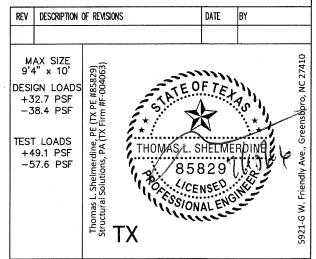


MINIMUM) (TYP.)

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL

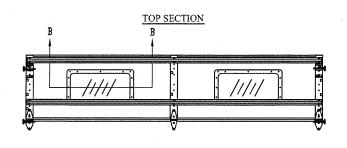


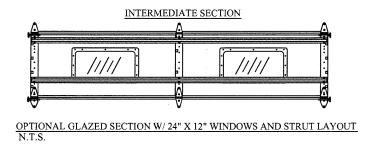


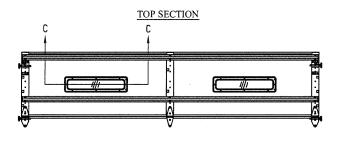


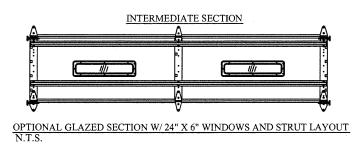
MODEL 2500 AMARR 2502, 2512 MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022

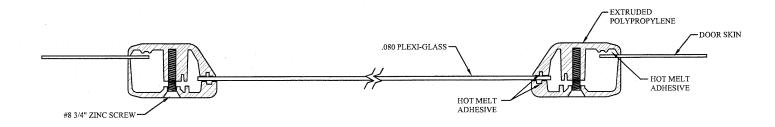
SIZE	Drawn by	RLR	DATE	05/31/16	Drawing Number
В	CHECKED BY	RLR	DATE	05/31/16	IBC-2509-150-15-R
165	CARRIAGE CO	SHEET 2 OF 4			



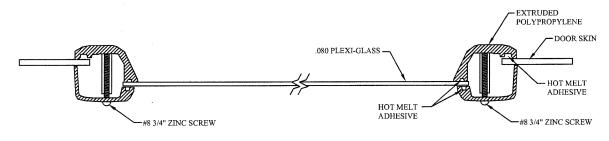






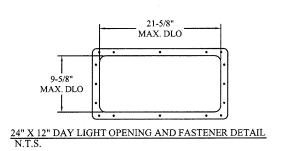


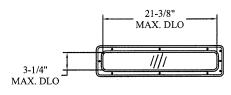
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS N T S



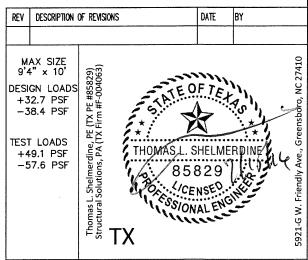
SECTION C-C 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS

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





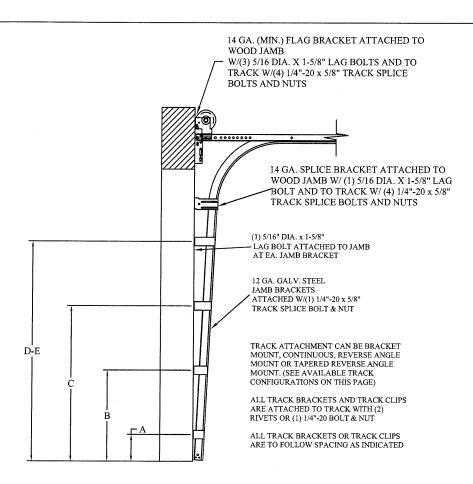
 $\frac{24"\ X\ 6"\ DAY\ LIGHT\ OPENING\ AND\ FASTENER\ DETAIL}{\text{N.T.S.}}$





MODEL 2500 AMARR 2502, 2512 MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022

				1
SIZE	DRAWN BY RL	DATE	05/31/16	Drawing Number
В	CHECKED BY RLI	DATE	05/31/16	IBC-2509-150-15-R
16	E CARRIAGE COURT	SHEET 3 OF 4		



TRACK CONFIGURATION FOR UP TO 10' TALL DOORS

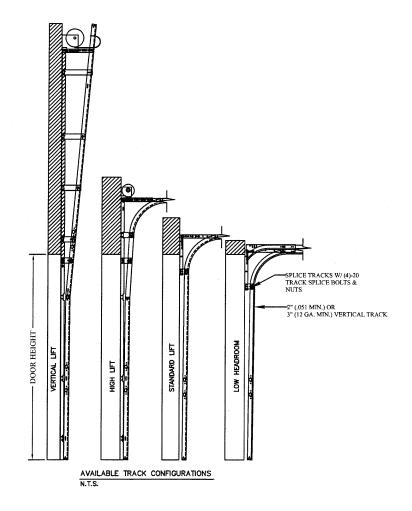
TABLE 1

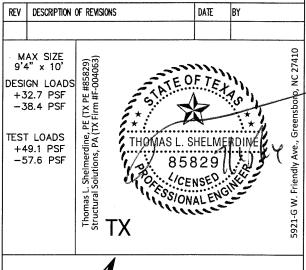
TO THE PERSON NAMED IN COLUMN 1						
Section	Center	Max Design				
Section	Stile	Loads Allowed				
Width	1st	Positive	Negitive			
(ft)	(in)	(PSF)	(PSF)			
6' 0	36"	50.5	59.4			
6' 2	37"	49.2	57.8			
6' 4	38"	47.9	56.2			
6' 6	39"	46.7	54.8			
6' 8	40"	45.5	53.4			
6' 10	41"	44.4	52.1			
7' 0	42"	43.4	50.9			
7' 2	43"	42.3	49.8			
7' 4	44"	41.4	48.6			
7' 6	45"	40.4	47.5			
7' 8	46"	39.6	46.5			
7' 10	47"	38.7	45.5			
8' 0	48"	37.9	44.6			
8' 2	49"	37.1	43.6			
8' 4	50"	36.4	42.8			
8' 6	51"	35.7	41.9			
8' 8	52"	35.0	41.1			
8' 10	53"	34.3	40.3			
9' 0	54"	33.7	39.6			
9' 2	55"	33.0	38.8			
9'4	56"	32.7	38.4			

TABLE 2

DOOR HEIGHT			TYPICAL					
		Α	В	С	D	E	F	SPLICE
7'	0"	10.0"	34"	58"				76"
7'	6"	10.0"	34"	58"				82"
8'	0"	10.0"	34"	58"	70"			88"
9'	0"	10.0"	34"	58"	70"	82"		100"
9'	6"	10.0"	34"	58"	70"	82"		106"
10'	0"	10.0"	34"	58"	70"	82"	94"	112"

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







MODEL 2500 AMARR 2502, 2512 MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	RLR	DATE	05/31/16	DRAWING NUMBER
В	CHECKED BY	RLR	DATE	05/31/16	IBC-2509-150-15-R
165	CARRIAGE CO	SHEET 4 OF 4			