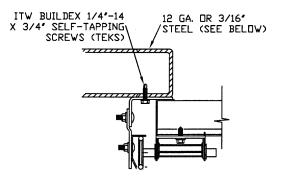


TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6' FROM ENDS AND 16' D.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

1/8" NOM X 1" LONG 1/4" LING TACK FILLET WELD (E60×× WELD SAME SPACING ELECTRODES MIN.) AS FILLET WELD

> 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' O.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8

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 DN-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.

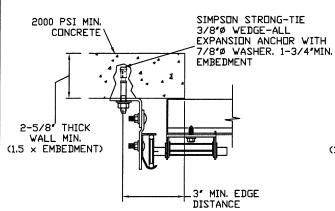
SPECIFICATIONS AND NOTES

- 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 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24'0" HIGH HAVE (1) 2" 20GA STRUT AT THE TOP AND (1) 3" 20GA STRUT AT THE BOTTOM OF EACH 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.

DESIGN LOADS

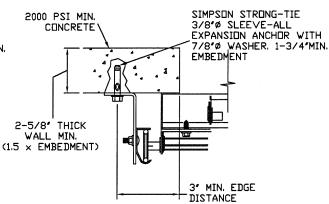
+166.5 LBS/FT

–189.1 LBS/FT



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

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 PÁIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

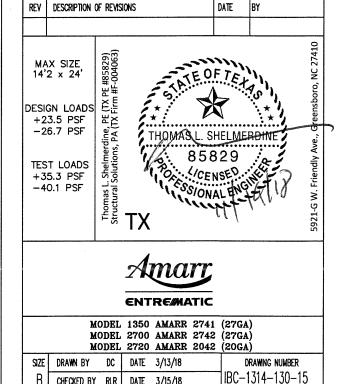
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

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

WOOD CONCRETE 2X6 JAMB 1/2" MIN 2-3/4" MIN HOLLOW BLOCK GROUTED BLOCK 1-1/2" MIN -



SHEET 2 OF 4

CHECKED BY RLR DATE 3/15/18

ENTREMATIC

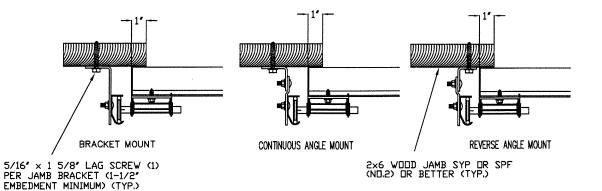
INTERIOR OF GARAGE

MAX. WIDTH 14'0"

SEE NOTE 2

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TRACK CONFIGURATION DETAIL



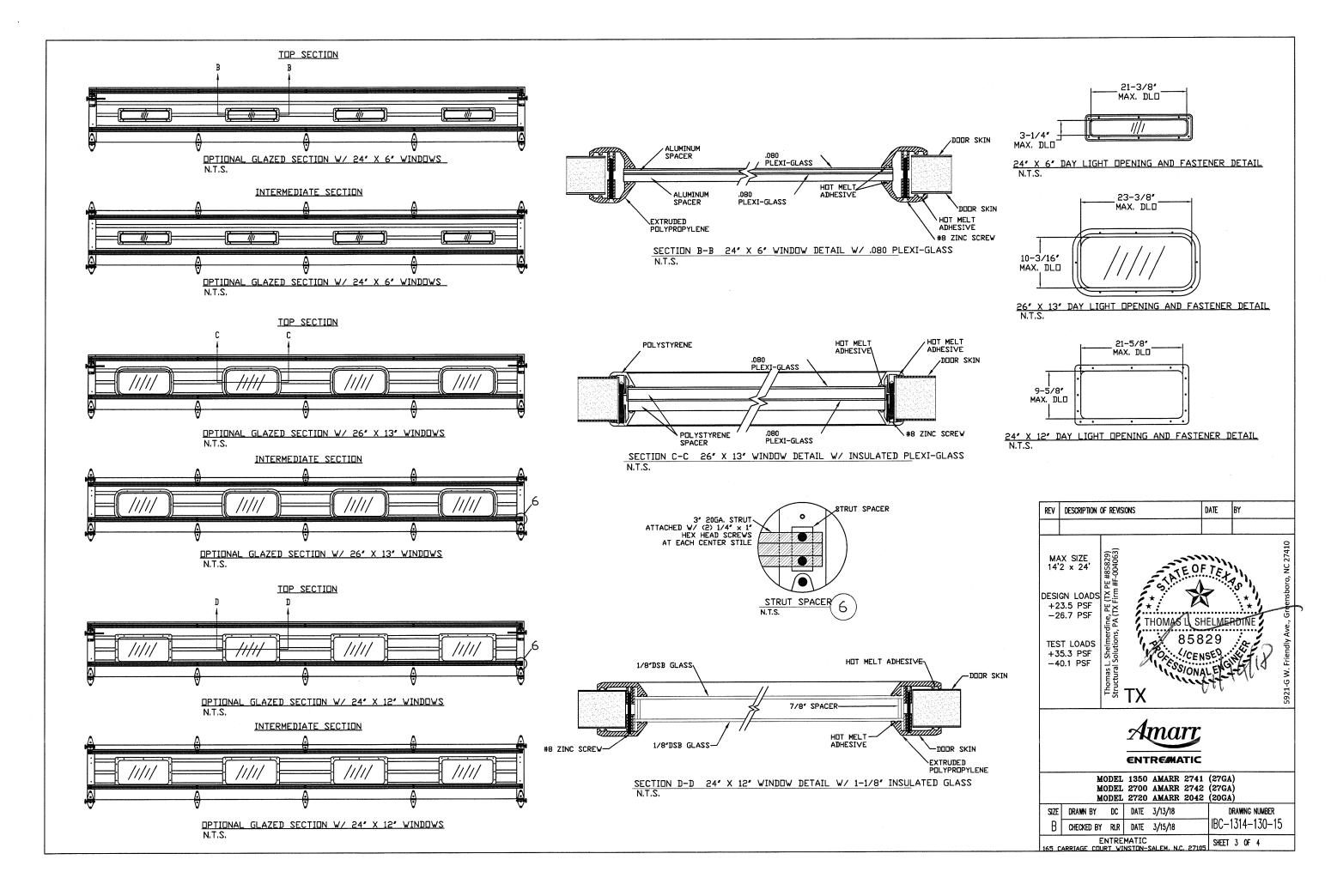
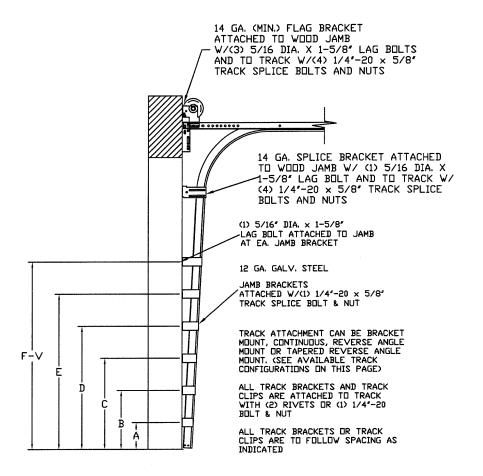


TABLE 1

Section Width (ft)			r Stile Lo		Max Design Loads Allowed				
		1st	2nd	3rd	Positive Negitive				
		(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			

^{*} CONTACT ENGINEERING FOR SIZES 7'2" THROUGH 9'2" & 10'10" THROUGH 12'10"



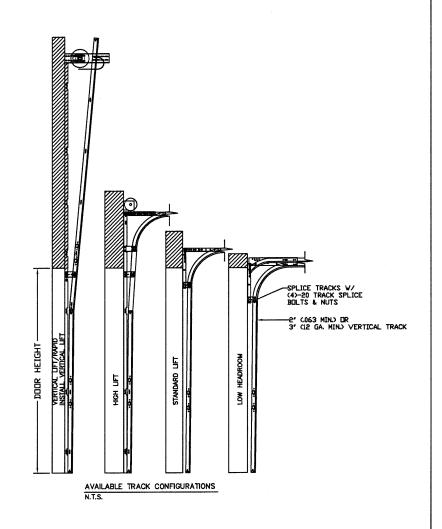
TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



DOOR	OOR TRACK ATTACHMENT											ITPICAL											
HEIGHT	A	В	С	D	E	F	G	Н		J	K	L	M	N	0	Р	Q	R	S	T	U	V	SPLICE
7' 0"	10"	22"	34"	46"	58"																		76"
7' 6"	10"	22"	34"	46"	58"	70"					1												82"
8' 0"	10"	22"	34"	46"	58"	70"																	88"
B' 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"
0' 0"	10"	22"	34"	46"	58"	70"	82"	94"															112"
1' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"														124"
2' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
3' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
4' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
5' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
6' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
7' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
8' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
9' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
0' 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232*
1 0"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"		L	L	244"
2 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"

TRACK ATTACHMENT

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY AMARR MODEL 1350 ONLY AVAILABLE UP TO 14'



TYPICAL

REV	DESCRIPTION	of revis	IONS			DATE	BY				
MAX SIZE 14'2 x 24' DESIGN LOADS +23.5 PSF		, PE (TX PE #85829) (TX Firm #F-004063)		* STAT	E OI	TEX	90 h	eensboro, NC 27410			
-2 TES +3	6.7 PSF T LOADS 5.3 PSF 0.1 PSF	Thomas L. Shelmerdine, PE (TX PE #85829 Structural Solutions, PA (TX Firm #F-00406	TX	<i>76</i>	L. SI 858 CCEN SION	ELMEI	RDINE	5921-G W. Friendly Ave., Greensboro, NC 27410			
ENTREMATIC MODEL 1350 AMARR 2741 (27GA)											
)	ODEL ODEL	2700 2720	AMARR AMARR	2742	(27GA	.)				
SIZE	DRAWN BY	DC	DATE	3/13/18		1 -	RAWING NUMB				
В	CHECKED BY	' RLR	DATE	3/15/18]IBC-1	1314–130-	-15			
165 0	CARRIAGE CO	ENTRE URT VI		SALEM. N.C	27105	SHEET	4 OF 4				