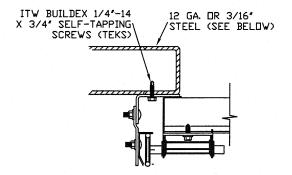


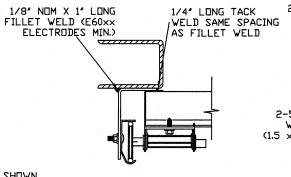
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

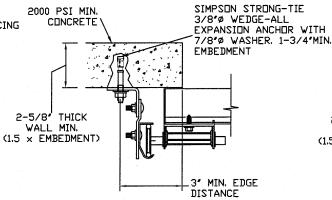
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 3' FROM ENDS AND 12" D.C. REFER TO NOTES: 1, 2 AND 5

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



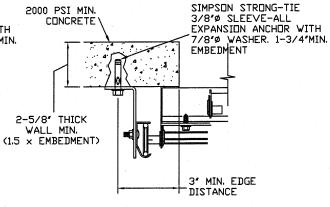
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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



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 18' D.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

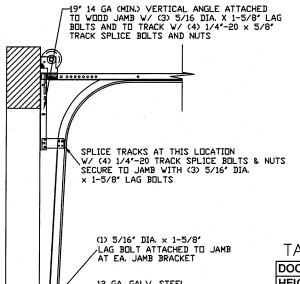


CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6' FROM ENDS AND 16' D.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4'-20 x 5/8' TRACK SPLICE BOLT & NUT

TRACK ATTACHMENT CAN BE BRACKET MOUNT, CONTINUOUS, REVERSE ANGLE MOUNT OR TAPERED REVERSE ANGLE MOUNT, (SEE AVAILABLE TRACK

ALL TRACK BRACKETS AND TRACK CLIPS ARE ATTACHED TO TRACK WITH (2) RIVETS OR (1) 1/4'-20

ALL TRACK BRACKETS OR TRACK CLIPS ARE TO FOLLOW SPACING AS

TRACK CONFIGURATION FOR 6' UP TO 24' TALL DOORS *SPLICE LOCATION FOR STANDARD LIFT, WILL VARY FOR THER LIFT APPLICATIONS. ALL TRACK ATTACHMENT LOCATIONS MAY ALLOW +/-2' WHEN USING SYP NO.2 GRADE LUMBER OR BETTER ONLY.

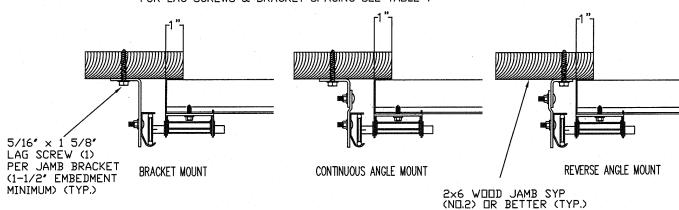


TABLE 1

	DOOR	TRACK ATTACHMENT							SPLICE					
	HEIGHT	Α	В	С	D	E	F	G	Н	- 1	J	K	L	S
	7'	3.5"	38"	46"	56"									76"
	8'	3.5"	38"	46"	56"									88"
	9'	3.5"	38"	46"	56"	68"								100"
	10'	3.5"	38"	46"	56"	68"								112"
	11'	3.5"	38"	46"	56"	68"	78"							124"
	12'	3.5"	38"	46"	56"	68"	78"							136"
	13'	3.5"	38"	46"	56"	68"	78"	88"						148"
	14'	3.5"	38"	46"	56"	68"	78"	88"						160"
	15'	3.5"	38"	46"	56"	68"	78"	88"	100"					172"
	16'	3.5"	38"	46"	56"	68"	78"	88"	100"					184"
	17'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"				196"
	18'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"				208"
ı	19'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"			220"
Ì	20'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"			232"
	21'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"	132"	- 7	244"
	22'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"	132"		256"
	23'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"	132"	142"	268"
	24'	3.5"	38"	46"	56"	68"	78"	88"	100"	110"	120"	132"	142"	280"

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
- 7. ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER OR INSPECTOR 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.

REV	DESCRIPTION (of Revisio		DATE	BY		
18' DESI +2 -2 TES	X SIZE 2 x 24' GN LOADS 5.1 PSF 8.4 PSF T LOADS 17.7 PSF -2.6 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	858	FTE HELME 329 NSET	RDINE	5921-G W. Friendly Ave., Greensbaro, NC 27410
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM							
)M

MODEL 2700 (27 GA) MODEL 2720 (20 GA)

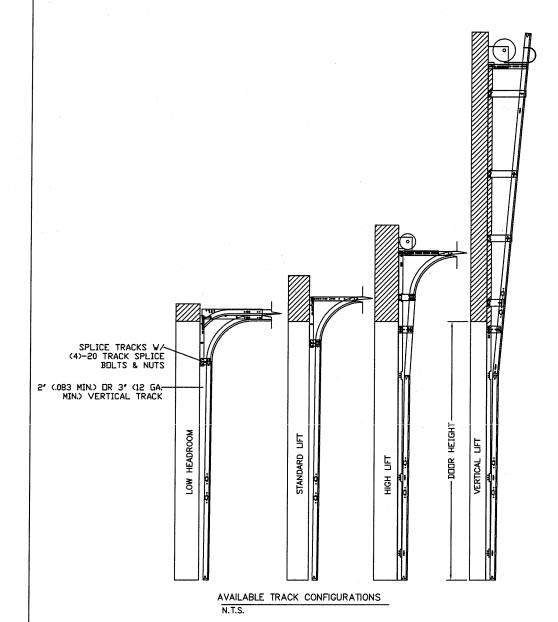
SIZE	Drawn by	RLR	DATE	07/25/13	DRAWING NUMBER
В	CHECKED BY	-	DATE	-	 IBC-2718-130-24-I
					SHEET 2 OF 3

CONCRETE WOOD WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL) STRUCTURE STRUCTURE 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" 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 14" O.C. (1 1/4" EMBEDMENT) ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 18" O.C. (2 1/2" EMBEDMENT) 2X6 JAMB 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 8" O.C. (1 1/2" EMBEDMENT) HOLLOW BLOCK BLOCK STRUCTURE STRUCTURE HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" 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 22" 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.

TABLE 2

Section	n Width	Center Stile Locations (Measured from Left Edge)					
(ft)	(in)	1st (in)	2nd (in)	3rd (in)	4th (in)		
17'	0	39	81	123	165		
17'	2	40	82	124	166		
17'	4	41	83	125	167		
17'	6	42	84	126	168		
17'	8	43	85	127	169		
17'	10	44	86	128	170		
18'	0	43.5	86.5	129.5	172.5		
18' 2		44.5	87.5	130.5	173.5		

FOR DOOR SIZES LESS THAN 17'O CONTACT ENGINEERING



*PREPARATION OF WOOD JAMBS BY OTHERS

SPECIFICATIONS

- 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: +228.0 LBS/FT & -258.0 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. (.0151) MIN. EXTERIOR SKIN ROLLFORMED, W/BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24'0' HIGH USE (1) 4.5' R-TRUSS PER SECTION AND (1) ADDITIONAL 3' STRUT ON THE BOTTOM SECTION
- 6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

