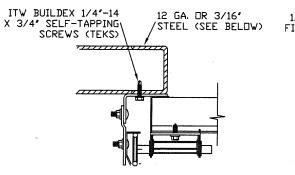




FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1

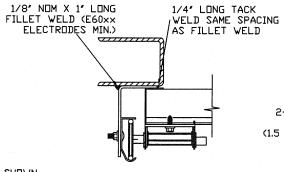


CLIP STYLE REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

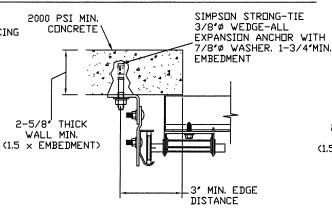
3/16' STEEL FRAMING 569 LBS./SCREW ALLOWABLE LOAD - 6' FROM ENDS AND 24" D.C. REFER TO NOTES: 1, 2 AND 5

-19' 12 GA (MIN.) VERTICAL ANGLE ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8' LAG BOLTS AND TO TRACK W/ (4) 1/4'-20 x 5/8' TRACK SPLICE BOLTS AND NUTS



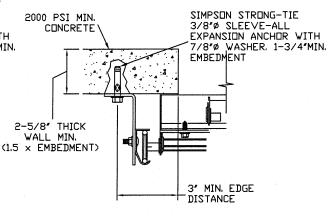
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD -6" FROM ENDS AND 24" D.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



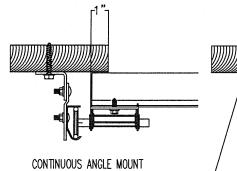
CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

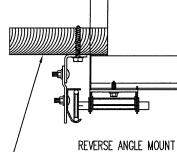
2000 PSI CONCRETE OR GREATER 336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6' FROM ENDS AND 18' D.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

5/16" × 1 5/8" LAG SCREW (1) PER JAMB BRACKET

BRACKET MOUNT (1-1/2" EMBEDMENT MINIMUM) (TYP.)





2x6 WOOD JAMB SYP (NO.2) OR BETTER (TYP.)

(1) 5/16" DIA x 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA, JAMB BRACKET

SPLICE TRACKS AT THIS LOCATION

SECURE TO JAMB WITH (3) 5/16' DIA. × 1-5/8' LAG BOLTS

W/ (4) 1/4'-20 TRACK SPLICE BOLTS & NUTS

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 AND TRACK ATTACHMENT LOCATIONS MAY ALLOW +/-2" WHEN USING SYP NO.2 GRADE LUMBER OR BETTER ONLY.

24*(TYP.)

TABLE 1

DOOR	TRACK ATTACHMENT							SPLICE				
HEIGHT	Α	В	С	D	E	F	G	Н	1	J	K	S
7'	10"	34"	58"									76"
8'	10"	34"	58"									88"
9'	10"	34"	58"	82"								100"
10'	10"	34"	58"	82"								112"
11'	10"	34"	58"	82"	106"							124"
12'	10"	34"	58"	82"	106"							136"
13'	10"	34"	58"	82"	106"	130"						148"
14'	10"	34"	58"	82"	106"	130"						160"
15'	10"	34"	58"	82"	106"	130"	154"					172"
16'	10"	34"	58"	82"	106"	130"	154"					184"
17'	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24'	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	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 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 REVISIONS		DATE	BY	
	-					
18' +2 -2 TES +3	X SIZE 2 x 24' GN LOADS 1.6 PSF 4.5 PSF ST LOADS 52.4 PSF 66.8 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	THOMAS L. SION	329 2	SDINE STATE	5921-G W. Friendly Ave., Greensboro, NC 27410



165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM

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

SIZE	DRAWN BY	RLR	DATE	07/18/13	DRAWING NUMBER
В	CHECKED BY		DATE		IBC-2718-120-15
					SHEET 2 OF 3

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 22" 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

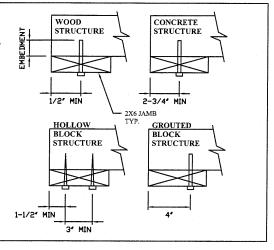
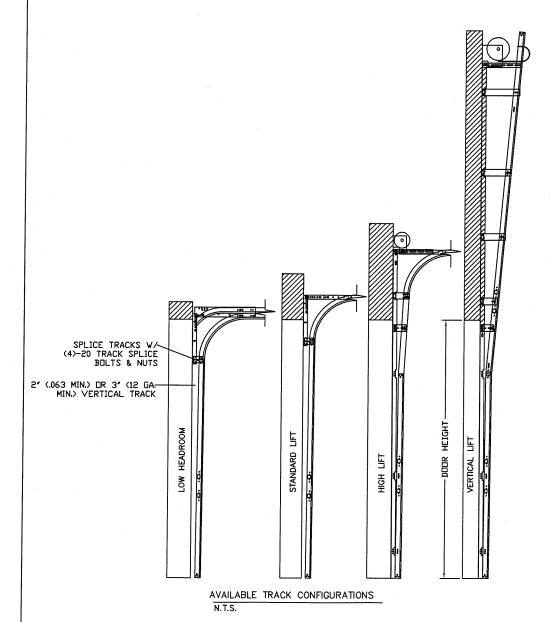


TABLE 2

Section	n Width		Center Still easured fro	Max Design Loads Allowed			
West and the second particular and the secon							
(ft)	(in)	1st	2nd	3rd	4th	Positive	Negitive
	(in)	(in)	(in)	(in)	(in)	(PSF)	(PSF)
17'	0	39	81	123	165	22.5	25.5
17'	2	40	82	124	166	22.5	25.5
17'	4	41	83	125	167	22.5	25.5
17'	6	42	84	126	168	22.4	25.4
17'	- 8	43	85	127	169	22.2	25.1
17'	10	44	86	128	170	21.9	24.9
18'	0	43.5	86.5	129.5	172.5	21.8	24.7
18'	2	44.5	87.5	130.5	173.5	21.6	24.5

FOR DOOR SIZES LESS THAN 17'O CONTACT ENGINEERING



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
- 2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +196.2 LBS/FT & -222.5 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. DDDRS UP TO 24'0' HIGH USE (2) 3' STRUTS PER INTERMEDIATE AND TOP SECTION AND (3) 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.

