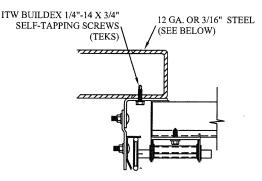


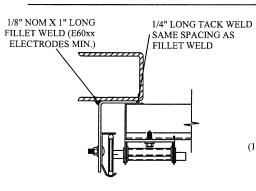
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

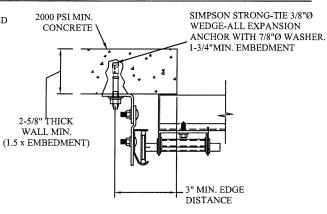
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 18" O.C. REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING 569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS 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

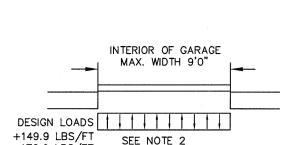


CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT

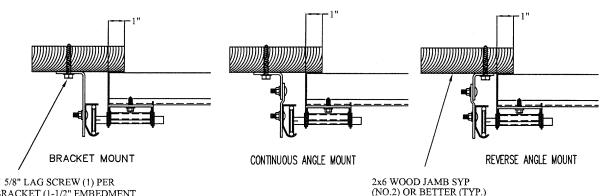
2000 PSI CONCRETE OR GREATER 351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6" FROM ENDS AND 24" O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

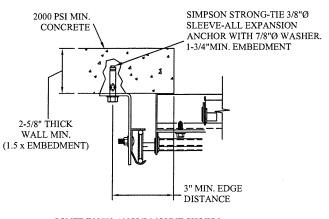


- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE, HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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





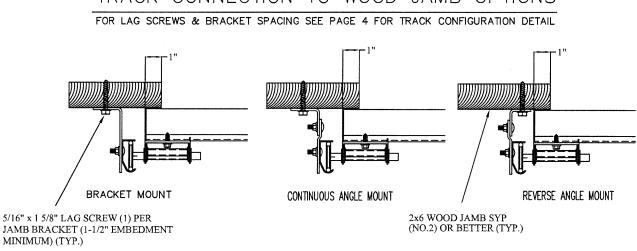
CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

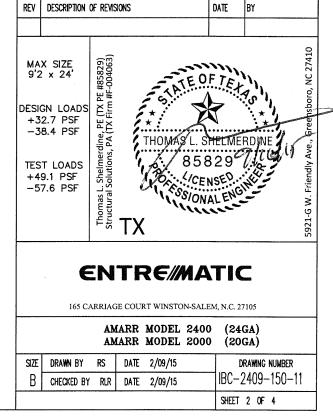
2000 PSI CONCRETE OR GREATER 336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6" FROM ENDS AND 24" O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

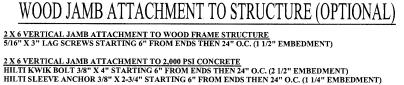
SPECIFICATIONS AND NOTES

- 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: -149.9 LBS/FT AND -176.0 LBS/FT
- 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 4. DOOR SECTIONS SHALL BE 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
- 5. DOORS UP TO 24' HIGH USE (2) 2" 20GA STRUTS PER 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.





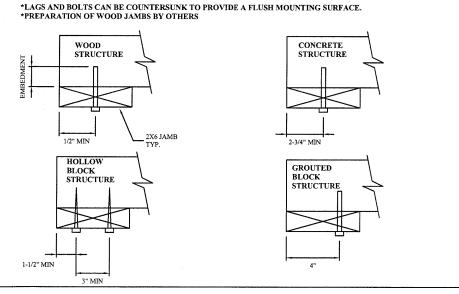


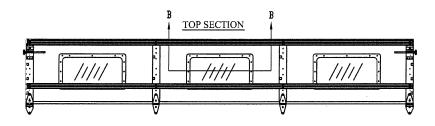


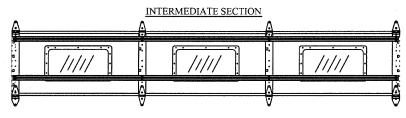
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

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 14" X 2-34" KWIK-CON 11+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

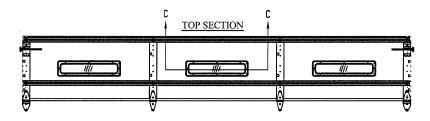
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

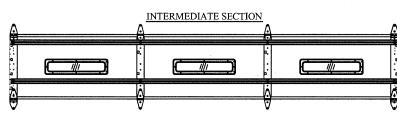




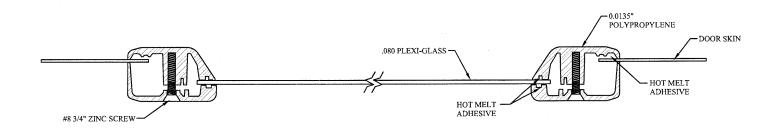


OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT N.T.S.

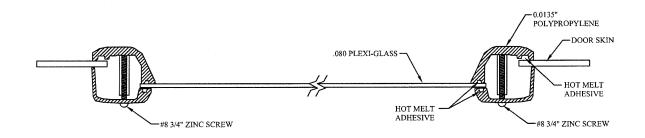




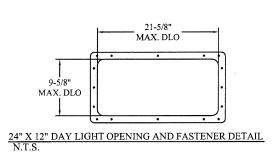
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT N.T.S.

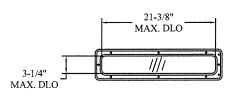


SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS N.T.S.



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





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

REV	DESCRIPTION	of Revis	SIONS	DATE	BY	
9'2 DESI +3 -3 TES +4	X SIZE 2 x 24' GN LOADS 2.7 PSF 8.4 PSF GT LOADS 9.1 PSF 7.6 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	THOMAS THOMAS 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1	OF TE	HOINE ALL	5921-G W. Friendly Ave., Greensboro, NC 27410

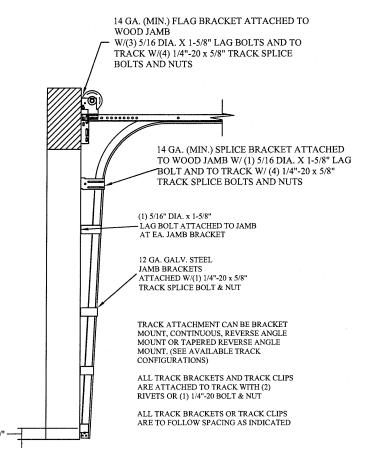
ENTRE/MATIC

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

		MODEL 2400 MODEL 2000		(24GA) (20GA)			
SIZE	DRAWN BY	RS	DATE	2/09/15		Drawing Number	
В	CHECKED BY	RLR	DATE	2/09/15		IBC-2409-150-11	
						SHEET 3 OF 4	

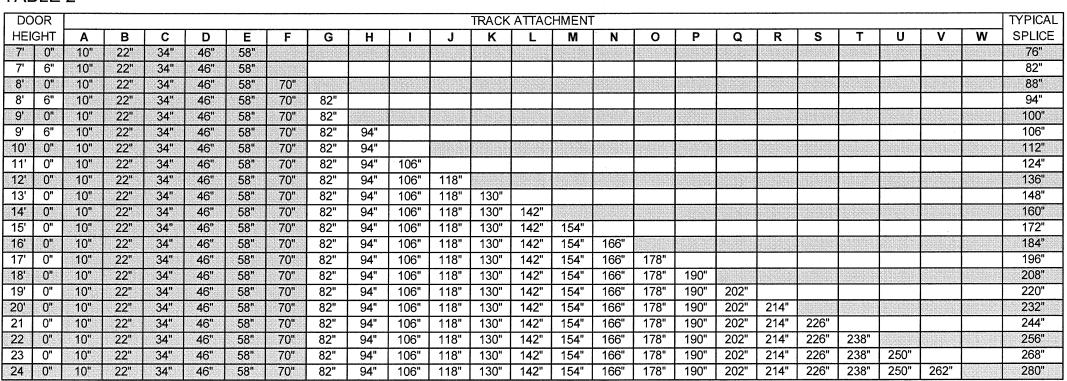
TABLE 1

Section		Cente	r Stile	Max Design	
		Loca	tions	Loads Allowed	
Width		1st	2nd Positive		Negitive
(ft)		(in)	(in)	(PSF)	(PSF)
6'	0	36"		33.1	38.9
6'	2	37"		32.2	37.8
6'	4	23"	53"	45.0	52.8
6'	6	24"	54"	44.2	51.9
6'	8	25"	55"	43.4	50.9
6'	10	26"	56"	42.6	50.0
7'	0	27"	57"	41.8	49.1
7'	2	28"	58"	41.1	48.3
7'	4	27"	61"	39.1	45.9
7'	6	28"	62"	38.5	45.2
7'	8	29"	63"	37.8	44.4
7'	10	30"	64"	37.2	43.8
8'	0	31"	65"	36.7	43.1
8'	2	32"	66"	36.1	42.4
8'	4	32"	68"	35.1	41.2
8'	6	33"	69"	34.5	40.6
8'	8	34"	70"	34.1	40.0
8' 10		35"	71"	33.6	39.4
9' 0		36"	72"	33.1	38.9
9'	2	37"	73"	32.7	38.4

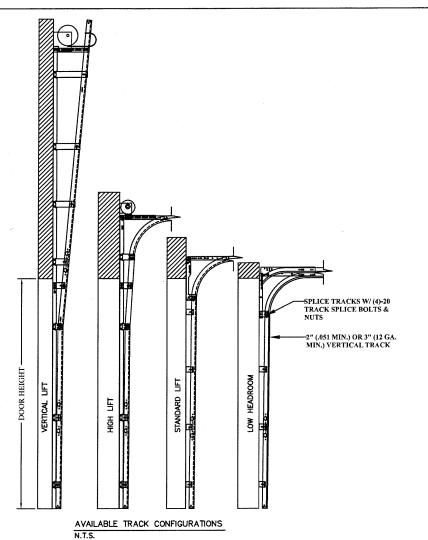


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

TABLE 2



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



MAX SIZE 9'2 x 24'

DESIGN LOADS +32.7 PSF -38.4 PSF TEST LOADS +49.1 PSF -57.6 PSF -5

ENTRE/MATIC

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

AMARR MODEL 2400 (24GA) AMARR MODEL 2000 (20GA)

SIZE	Drawn by	RS	DATE	2/09/15	DRAWING NUMBER
В	CHECKED BY	RLR	DATE	2/09/15	IBC-2409-150-11
					SHEET 4 OF 4