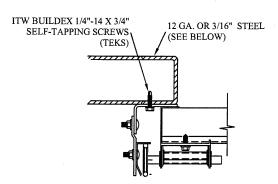


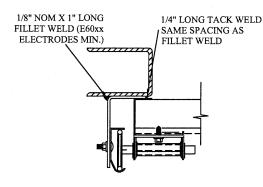
## TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

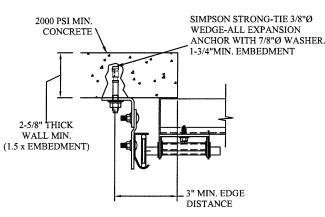
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 16" O.C. REFER TO NOTES: 1, 2 AND 5

569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS REFER TO NOTES: 1, 2 AND 5



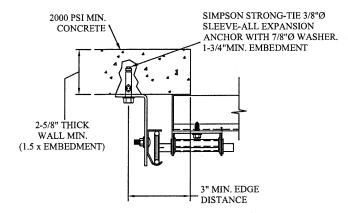
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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** 



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: +163.2 LBS/FT & -189.6 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. 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)

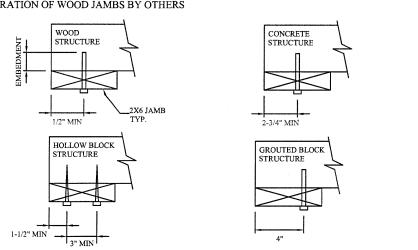
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 24" O.C. (1 1/4" EMBEDMENT)

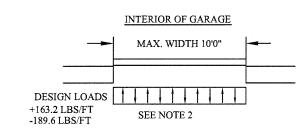
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

\*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

\*PREPARATION OF WOOD JAMBS BY OTHERS

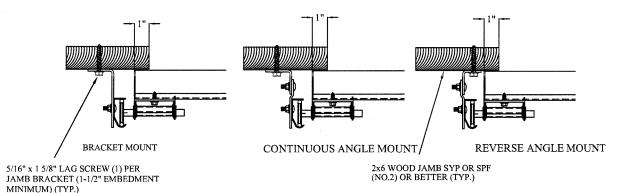


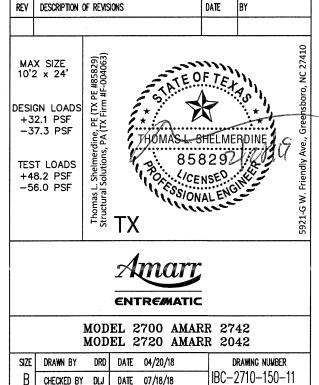
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REOUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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



## TRACK CONNECTION TO WOOD JAMB OPTIONS

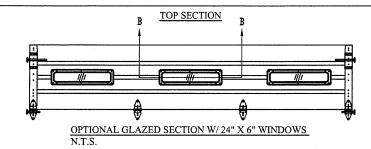
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



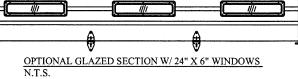


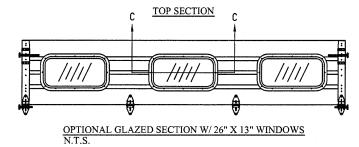
SHEET 2 OF 4

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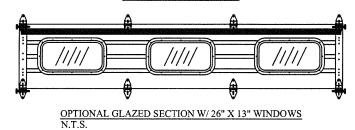


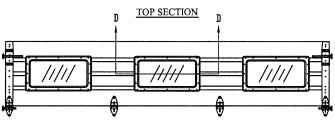
# INTERMEDIATE SECTION



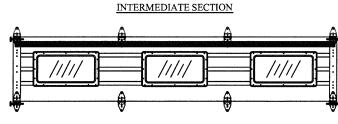


INTERMEDIATE SECTION

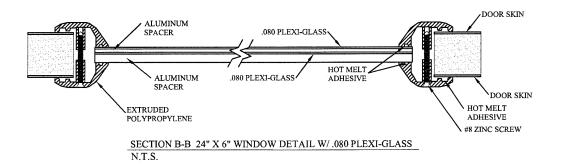


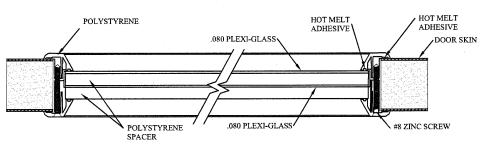


OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS N.T.S.

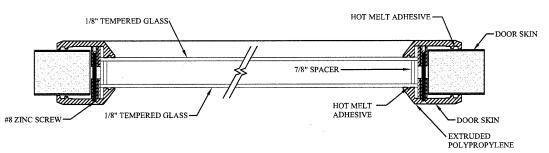


OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS N.T.S.

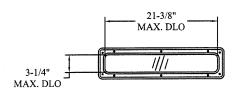




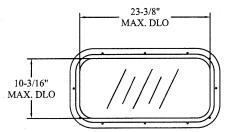
SECTION C-C 26" X 13" WINDOW DETAIL W/ INSULATED PLEXI-GLASS N.T.S.



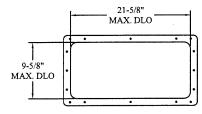
SECTION D-D 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS



24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.

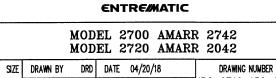


 $\frac{26"\ X\ 13"\ DAY\ LIGHT\ OPENING\ AND\ FASTENER\ DETAIL\ N.T.S.$ 



 $\frac{24"~X~12"~DAY~LIGHT~OPENING~AND~FASTENER~DETAIL~N.T.S.$ 

rev	DESCRIPTION	of Revisi	ONS	[	ATE	BY	
10': DESI +3 -3 TES +4	X SIZE 2 x 24' GN LOADS 2.1 PSF 7.3 PSF GT LOADS 8.2 PSF 6.0 PSF	omas L. Shelmerdine, PE ( actural Solutions, PA (TX F	THOMAS TX	858	TEX ELME 29 SEO.	RDINE	5921-G W. Friendly Ave., Greensboro, NC 27410



B CHECKED BY DLJ DATE 07/18/18 IBC-2710-150-11

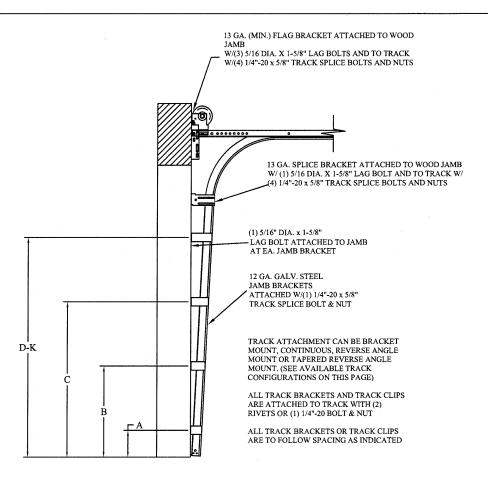
ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 3 OF 4

TABLE 1

Section Width (ft)			er Stile ations	Max Design Loads Allowed			
		1st	2nd	Positive	Negitive		
		(in)	(in)	(PSF)	(PSF)		
6'	0"	36"	-	35.9	41.7		
6'	2"	37"	-	34.9	40.6		
6'	4"	38"	-	34.0	39.5		
6'	6"	39"	-	33.1	38.5		
6'	8"	40"	ieci	32.3	37.5		
9'	2"	37"	73"	35.4	41.1		
9'	4"	36"	76"	34.0	39.5		
9'	6"	37"	77"	33.5	39.0		
9'	8"	38"	78"	33.1	38.5		
9'	10"	39"	79"	32.7	38.0		
10'	0"	40"	80"	32.3	37.5		
10'	)' 2" 41"		81"	32.1	37.3		

<sup>\*</sup> CONTACT ENGINEERING FOR SIZES 6'10" THROUGH 9'0"

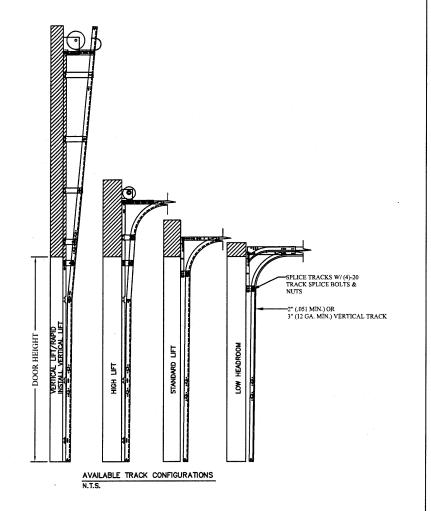


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

## TABLE 2

DO	OR	TRACK ATTACHMENT							TYPICAL				
HEI	GHT	Α	В	С	D	E	F	G	Н	1	J	K	SPLICE
7'	0"	10"	34"	58"									76"
7'	6"	10"	34"	58"									82"
8'	0"	10"	34"	58"									88"
8'	6"	10"	34"	58"	82"								94"
9'	0"	10"	34"	58"	82"								100"
9'	6"	10"	34"	58"	82"								106"
10'	0"	10"	34"	58"	82"								112"
11'	0"	10"	34"	58"	82"	106"							124"
12'	0"	10"	34"	58"	82"	106"							136"
13'	0"	10"	34"	58"	82"	106"	130"						148"
14'	0"	10"	34"	58"	82"	106"	130"						160"
15'	0"	10"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'	0"	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24	0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

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



rev	DESCRIPTION	of Revis	IONS		DATE	BY		
10'2 DESIGNATION +3 -3 TES +4	X SIZE 2 x 24' GN LOADS 2.1 PSF 7.3 PSF T LOADS 8.2 PSF 6.0 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	THOM *	ASL S 858 //CEI		PROJUNE 1	5921-G W. Friendly Ave., Greensboro, NC 27410
-		MOD		_	MATIC AMAR	- •	 742	
	·	MOD	EL 2	720	AMAF	RR 20	042	
SIZE	DRAWN BY	DRD	DATE	04/20	/18	1	DRAWING NUMBER	₹

B CHECKED BY DLJ DATE 07/18/18

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHET 4 OF 4

IBC-2710-150-11