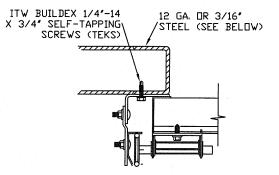


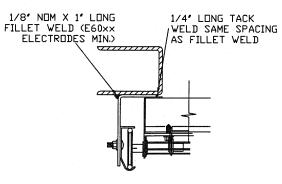
### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

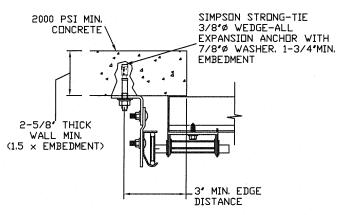
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 16' D.C.
REFER TO NOTES: 1, 2 AND 5

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



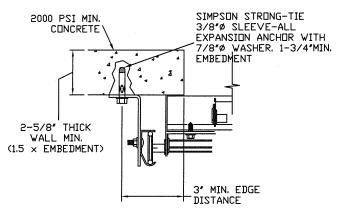
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD -6' FROM ENDS AND 24' D.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8 AND 9



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
LDAD - 6' FROM ENDS AND 24' D.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 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 24'0" HIGH HAVE (2) 3" 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.

# 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)

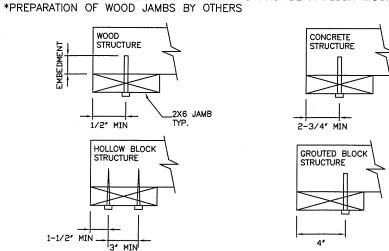
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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)

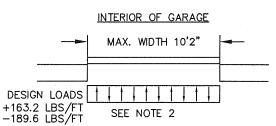
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



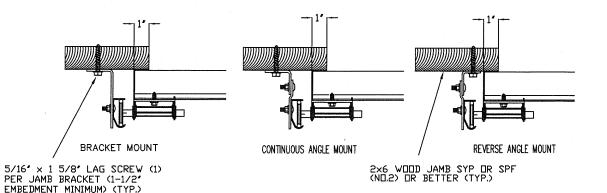
#### NUTE 2

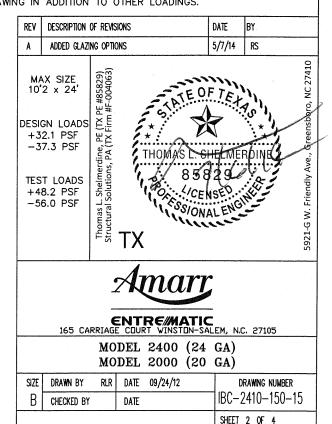
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE, HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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

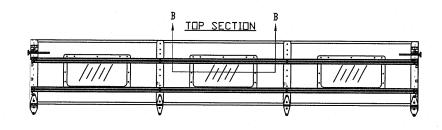


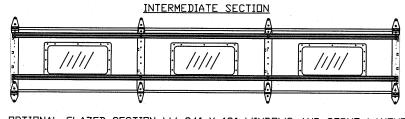
# TRACK CONNECTION TO WOOD JAMB OPTIONS

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

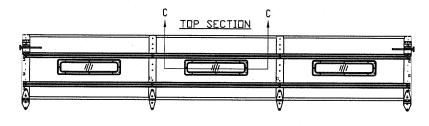


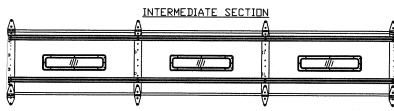




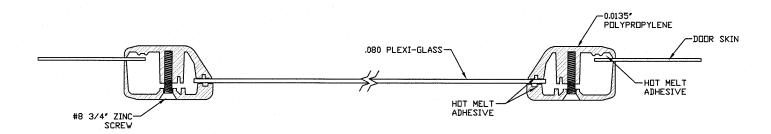


 $\underline{\mathsf{OPTIONAL}}$  GLAZED SECTION W/ 24' X 12' WINDOWS AND STRUT LAYOUT N.T.S.

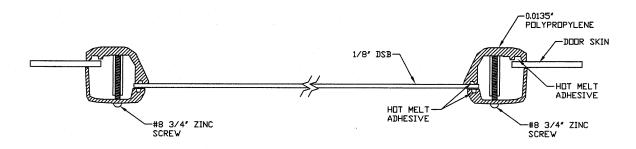




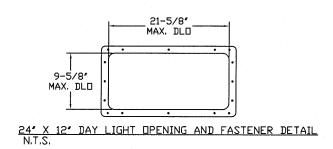
 $\underline{\mathsf{OPTIONAL}}$  GLAZED SECTION W/ 24° X 6° WINDOWS AND STRUT LAYOUT N.T.S.

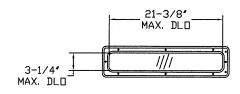


SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS N.T.S.



SECTION C-C 24' X 6' WINDOW DETAIL N.T.S.





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

REV	DESCRIPTION	OF REVIS	SIONS			DATE	BY	
A	ADDED GLAZ	NG OPTI	ONS			5/7/14	RS	
A ADDED GAZ  MAX SIZE 10'2 × 24'  DESIGN LOADS +32.1 PSF -37.3 PSF  TEST LOADS +48.2 PSF -56.0 PSF		Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	//:	E OI S L. SH 858 //CEN	HELME 129 G	RDINER	5921-G W. Friendly Ave., Greensbaro, NC 27410
	165 CA	RRIAG	ENT E COUF	MO RE//M.	ATIC	- •	C. 27105	
				2400 2000	(24 (20	GA) GA)		
						1		
SIZE	Drawn by	RLR	DATE	09/24/12		1	RAWING NUMBER	
size B	Drawn by Checked by		DATE DATE	09/24/12		1	rawing number 2410—150—1	5

## TABLE 1

Section

Width

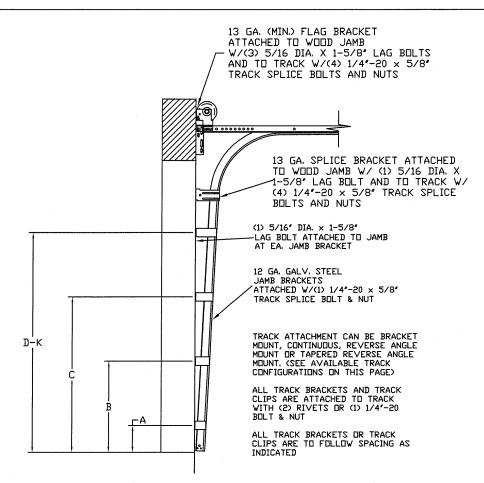
Center Stile

Locations

Max Design Loads

Allowed

(ft)		1st	2nd	Positive	Negitive	
('	ι)	(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"	· <del>-</del>	33.1	38.5	
6'	8"	40"	598	32.3	37.5	
6'	10"	41"	. Stock	31.5	36.6	
7'	0"	42"	-	30.7	35.7	
7'	2"	43"	566	30.0	34.9	
7'	4"	44"	_	29.3	34.1	
7'	6"	45"		28.7	33.4	
7'	8"	46"	100	28.1	32.6	
7'	10"	47"	field	27.5	31.9	
8'	0"	48"	-	26.9	31.3	
8'	2"	49"	pan .	26.3	30.6	
8'	4"	50"	-	25.8	30.0	
8'	6"	51"	-	25.3	29.4	
8'	8"	52"	Data .	24.8	28.9	
8'	10"	53"	-	24.4	28.3	
9'	0"	54"	-	23.9	27.8	
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	

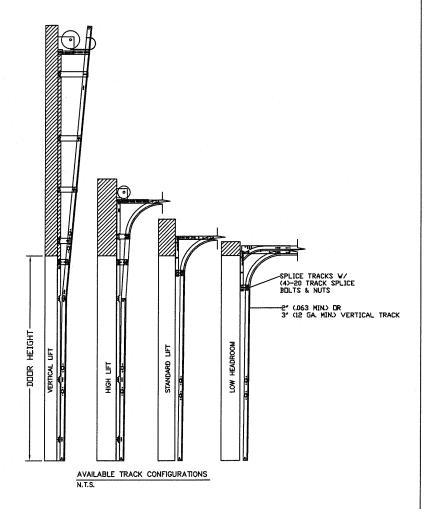


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

### TABLE 2

DO	OR	· ·				TRACK	ATTAC	HMENT	_	MANAGEMENT AND THE PROPERTY OF THE PARTY OF			TYPICAL
HEI	3HT	Α	В	С	D	E	F	G	Н	ı	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	SIONS		DATE	BY		
Α	ADDED GLAZI	DED GLAZING OPTIONS					RS	
10' 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	* THOMAS  THOMAS	85/8	TE+	7.5 XX	5921-G W. Friendly Ave., Greensporo, NC 27410
	165 CA	RRIAG	E COUI		ATIC ON-SA	LEM, N.	C. 27105	
			DEL	2400 2000	(24 (20	GA) GA)		
SIZE	Drawn by	RLR	DATE	09/24/12		_	RAWING NUMI	
В	CHECKED BY	'	DATE			]IBC-2	2410–150	)–15
						SHEET	4 OF 4	