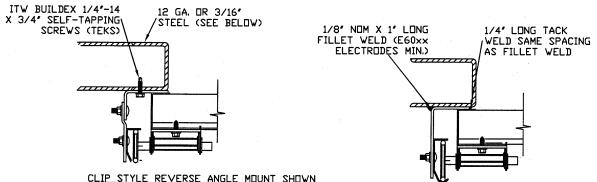


# TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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" 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

SIMPSON STRONG-TIE

EXPANSION ANCHOR WITH

7/8"Ø WASHER. 1-3/4"MIN.

3/8'Ø WEDGE-ALL

**EMBEDMENT** 

3" MIN. EDGE

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

2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD -

2000 PSI MIN.

2-5/8" THICK

WALL MIN.

 $(1.5 \times EMBEDMENT)$ 

AVAILABLE

6' FROM ENDS AND 24' O.C.

REFER TO NOTES: 1, 2, 3, 4 AND 5

CONCRETE!

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

SIMPSON STRONG-TIE

3/8'Ø SLEEVE-ALL

EMBEDMENT

3' MIN. FINGE

DISTANCE

CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE

2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE

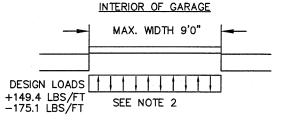
LOAD - 6' FROM ENDS AND 24' D.C.

REFER TO NOTES: 1, 2, 3, 4 AND 5

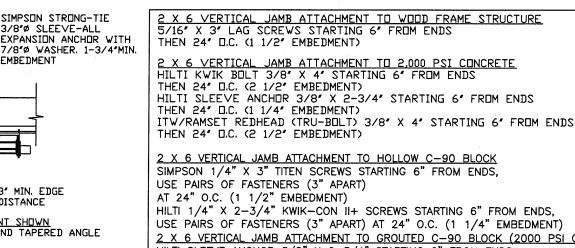
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM DN-CENTER DISTANCE, HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE DE 3' REQUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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

### 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: +149.4 LBS/FT & -175.1 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.

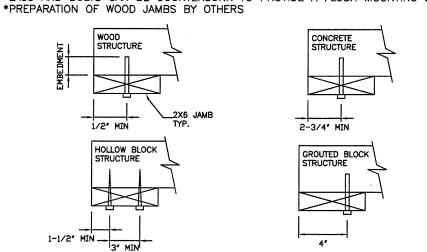


# WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)



HILTI 1/4" X 2-3/4" KWIK-CON II+ 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)

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





2000 PSI MIN.

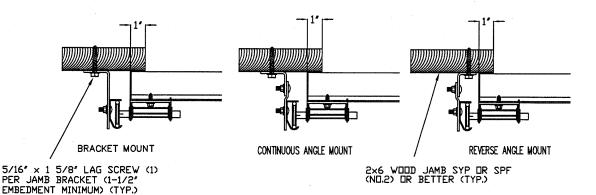
2-5/8" THICK

WALL MIN.

 $(1.5 \times EMBEDMENT)$ 

CONCRETE!

FOR LAG SCREWS & BRACKET SPACING SEE TRACK CONFIGURATION DETAIL



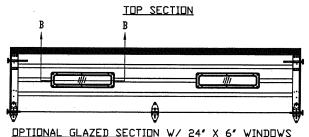


MAX SIZE TE OF TE 9'2 x 24' DESIGN LOADS +32.6 PSF -38.2 PSF THOMAS L. SHELMERDINE TEST LOADS CENSED. +48.9 PSF -57.3 PSF SSIONAL ENG 1000/ONALE

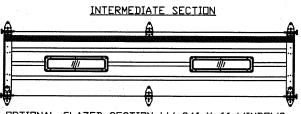
**ENTREMATIC** 

MODEL 1350 AMARR 2741 MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

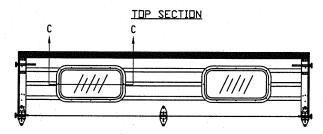
SIZE DRAWN BY DRD DATE 4/19/18 DRAWING NUMBER IBC-1309-150-15 CHECKED BY DLJ DATE 7/19/18 ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 OF 4



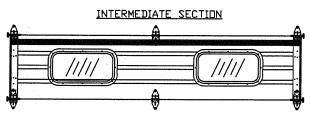
OPTIONAL GLAZED SECTION W/ 24' X 6' WINDOWS N.T.S.



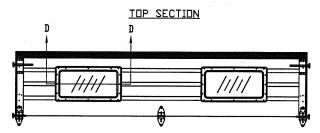
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS N.T.S.



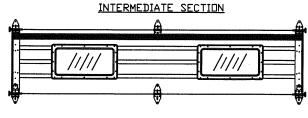
OPTIONAL GLAZED SECTION W/ 26' X 13' WINDOWS N.T.S.



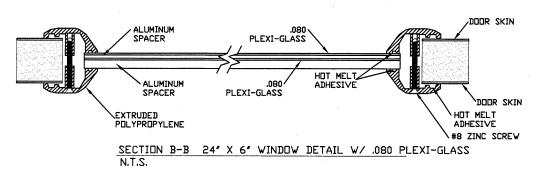
DPTIDNAL GLAZED SECTION W/ 26' X 13' WINDOWS N.T.S.

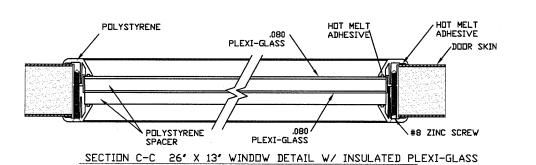


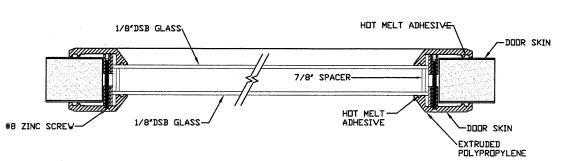
<u>DPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS</u> N.T.S.



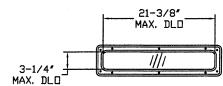
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS N.T.S.



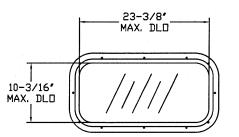




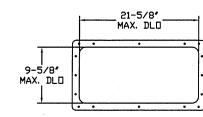
SECTION D-D 24' X 12' WINDOW DETAIL W/ 1-1/8' INSULATED GLASS N.T.S.



24' X 6' DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.



26' X 13' DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.



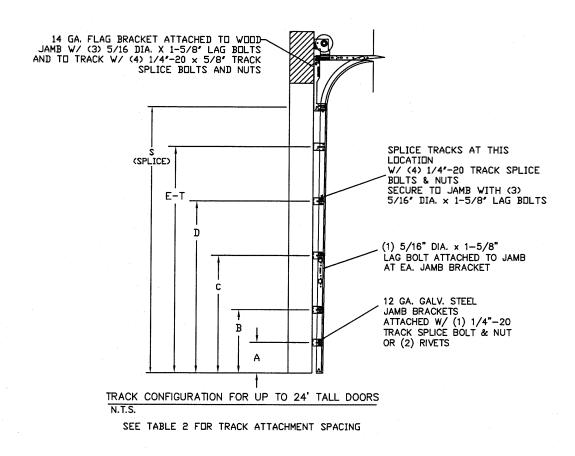
24' X 12' DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.

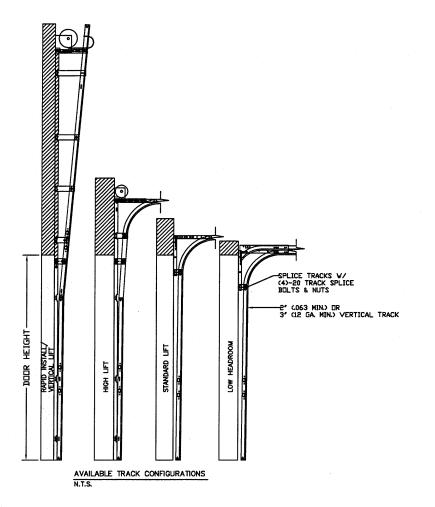
Thomas L. Shelmerdine, PE (TX PE #85829)  Structural Solutions, PA (TX FE #85829)  Structural Solutions, PA (TX FE #85829)  THOMAS T. SHEFFWEIGNER  TEST TOOPS  +48.9 b. St.  -24.0 W. Friendly Ave., Gleensboro, NC 27410	REV	DESCRIPTION	of Revisions	DATE	BY
TEST LOADS +48.9 PSF -57.3	MA 9'2 DESI	X SIZE x 24' GN LOADS 2.6 PSF	(TX Firm #F-004063)	MAS L. SHELME	
F	+4	8.9 PSF	omas L.	85829 CCENSED	5921-G W. Friendly <i>V</i>

### MODEL 1350 AMARR 2741 MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

ENTRE/MATIC

SIZE	DRAWN BY	DRD	DATE	4/19/18	DRAWING NUMBER
В	CHECKED BY	DLJ	DATE	7/19/18	IBC-1309-150-15
165 C	E ARRIAGE COUF	SHEET 3 OF 4			





# TABLE 2

DOOR						A		***************************************					***********						*		SPLICE
HEIGHT	Α	В	C	D	E	F	G	Н	П	J	K	L	М	N	0	Р	Q	R	S	T	S
7'	10"	34"	58"	70"					<del></del>												76"
8'	10"	34"	58"	82"																	88"
9'	10"	34"	58"	82"	94"																100"
10'	10"	34"	58"	82"	94"	106"															112"
11'	10"	34"	58"	82"	94"	106"	118"														124"
12'	10"	34"	58"	82"	94"	106"	118"	130"													136"
13'	10"	34"	58"	82"	94"	106"	118"	130"	142"												148"
14'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"											160"
15'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"										172"
16'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"									184"
17'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"								196"
18'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"							208"
19'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"						220"
20'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"					232"
21'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"				244"
22'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"
23'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"		268"
24'	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	274"	280"

ALL TRACK ATTACHMENT SPACING +/-2' ALLOWED WITH SPF OR SYP NO. 2 OR BETTER ONLY AMARR MODEL 1350 ONLY AVAILABLE UP TO 14'

## TABLE 1

I ABLE 1								
Section	Center	Max D	Design					
Occion	Stile	Loads Allowed						
Width	1st	Positive	Negitive					
(ft)	(in)	(PSF)	(PSF)					
6' 0	36"	49.6	58.2					
6' 2	37"	48.2	56.6					
6' 4	38"	46.9	55.1					
6' 6	39"	45.7	53.7					
6' 8	40"	44.6	52.3					
6' 10	41"	43.5	51.0					
7' 0	42"	42.4	49.8					
7' 2	43"	41.4	48.7					
7' 4	44"	40.5	47.6					
7' 6	45"	39.6	46.6					
7' 8	46"	38.7	45.5					
7' 10	47"	37.9	44.6					
8' 0	48"	37.1	43.6					
8' 2	49"	36.3	42.7					
8' 4	50"	35.6	41.9					
8' 6	51"	34.9	41.1					
8' 8	52"	34.2	40.3					
8' 10	53"	33.6	39.5					
9' 0	54"	33.0	38.8					
9' 2	55"	32.6	38.3					
	The second secon							

REV	DESCRIPTION	of Revisi	ONS			DATE	BY	
9'2  DESI  +3  -3  TES  +4	X SIZE x 24' GN LOADS 2.6 PSF 8.2 PSF T LOADS 8.9 PSF 7.3 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	* HOM.	AS L. S 858 L/CEI		RDINE	5921-G W. Friendly Ave., Greensboro, NC 27410
MODEL 1350 AMARR 2741 MODEL 2700 AMARR 2742								
	T	MOD	EL 2	720	AMAF	RR 20	)42	
SIZE	DRAWN BY	DRD	DATE	4/19/1	3		DRAWING NUM	
В	CHECKED BY		DATE	7/19/1	8	IRC-	1309-150	J-15
165 0	CARRIAGE CO	ENTREM JRT WI		SALEM,	N.C. 2710	5 SHEET	4 OF 4	