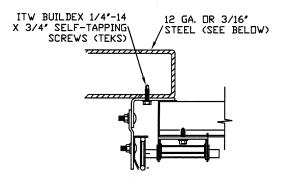


TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6' FROM ENDS AND 24' 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

1/8" NDM X 1" LDNG 1/4" LONG TACK FILLET WELD (E60×× WELD SAME SPACING ELECTRODES MIN.) AS FILLET WELD

> 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 ANT 9

NOTES:

- 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
- 9. TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

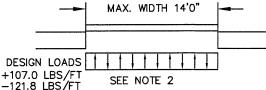
SPECIFICATIONS AND NOTES

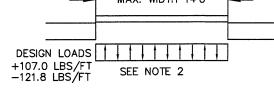
- 1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
- 2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +107.0 LBS/FT & -121.8 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

INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

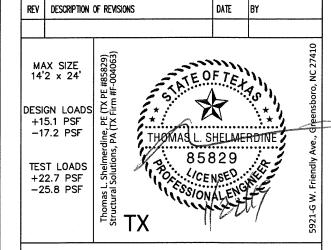
5. DOORS UP TO 24'0" FOLLOW TABLE 3 STRUT SCHEDULE ON PAGE 4 6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS

INTERIOR OF GARAGE











MODEL 1350 AMARR 2741 (27GA) MODEL 2700 AMARR 2742 (27GA) MODEL 2720 AMARR 2042 (20GA) SIZE DRAWN BY DRD DATE 3/13/18 DRAWING NUMBER IBC-1314-104-15 CHECKED BY RLR DATE 3/15/18 ENTREMATIC SHEET 2 OF 4

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)

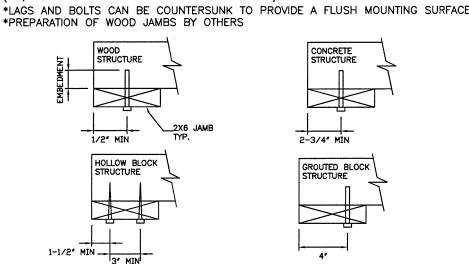
AT 24" O.C. (1 1/2" EMBEDMENT) HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,

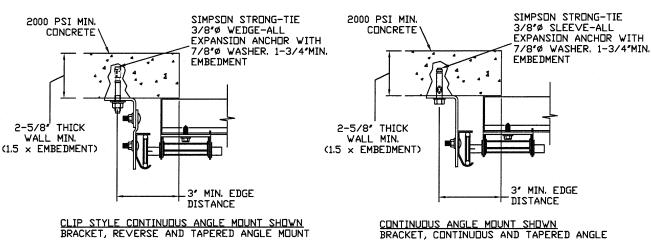
USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT) 2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

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.





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' O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

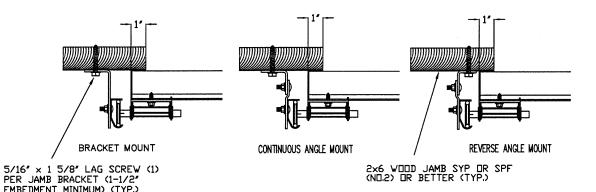
2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE

MOUNT AVAILABLE

LOAD - 6' FROM ENDS AND 24' O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TRACK CONFIGURATION DETAIL



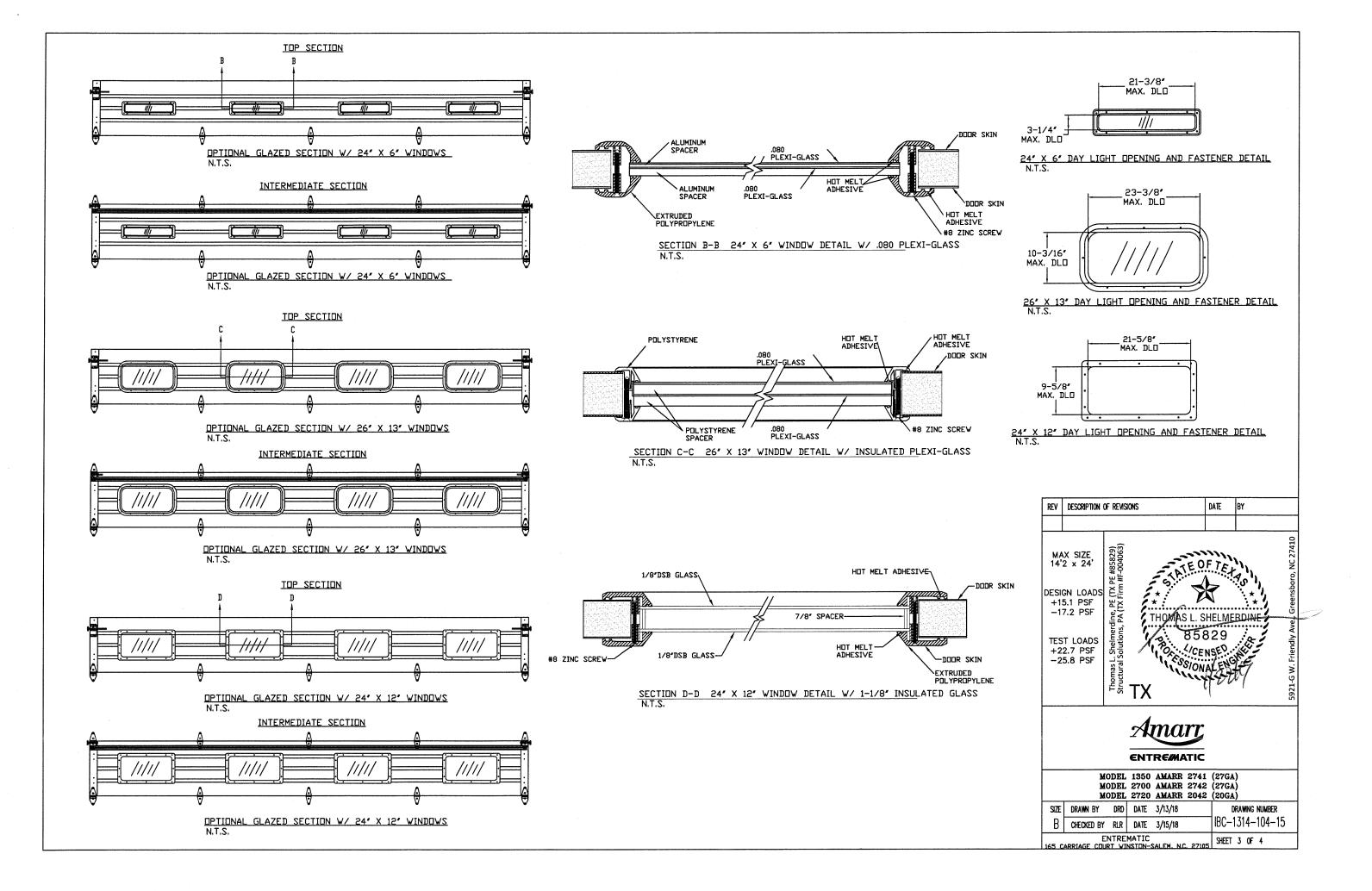


TABLE 1

Sec	tion	Cente	r Stile Lo	cations	Max Design Loads					
Wie	- 1	(Mea	sured fro	m Left	Allowed					
(f		1st	2nd 3rd		Positive	Negitive				
4	'	(in)	(in)	(in)	(PSF)	(PSF)				
6'	0"	36"	_	_	17.8	20.3				
6'	2"	37"	-	-	17.3	19.7				
6'	4"	38"	-	-	16.8	19.2				
6'	6"	39"	-	-	16.4	18.7				
6'	8"	40"	-	-	16.0	18.2				
6'	10"	41"	-	-	15.6	17.8				
7'	0"	42"	-	-	15.2	17.4				
9'	4"	36"	76"	-	16.8	19.1				
9'	6"	37"	77"	-	16.5	18.8				
9'	8"	38"	78"	-	16.3	18.6				
9'	10"	39"	79"	-	16.1	18.4				
10'	0"	40"	80"	-	15.9	18.1				
10'	2"	41"	81"	-	15.7	17.9				
10'	4"	42"	82"	-	15.5	17.7				
10'	6"	43"	83"	-	15.3	17.5				
10'	8"	44"	84"	-	15.2	17.3				
13'	0"	36"	78"	120"	15.2	17.3				
13'	2"	37"	79"	121"	15.2	17.3				
13'	4"	38"	80"	122"	15.2	17.3				
13'	6"	39"	81"	123"	15.2	17.3				
13'	8"	40"	82"	124"	15.2	17.3				
13'	10"	41"	83"	125"	15.2	17.3				
14'	0"	42"	84"	126"	15.2	17.3				
14'	2"	43"	85"	127"	15.1	17.2				

* CONTACT ENGINEERING FOR SIZES 7'2" THROUGH 9'2' & 10'10" THROUGH 12'10"

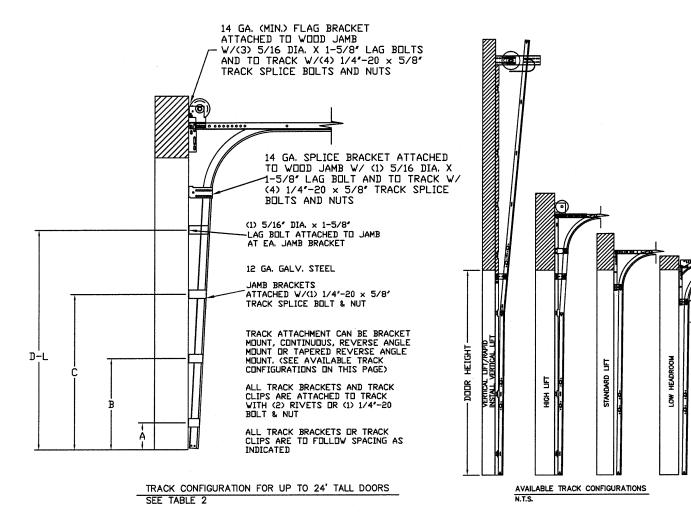


TABLE 2

DOC	OR	TRACK ATTACHMENT							TYPICAL					
HEIG	3HT	Α	В	С	D	E	F	G	Н	1	7	K	L	SPLICE
7'	0"	10.0"	34"	58"										76"
7'	6"	10.0"	34"	58"										82"
8'	0"	10.0"	34"	58"										88"
8'	6"	10.0"	34"	58"	82"									94"
9'	0"	10.0"	34"	58"	82"									100"
9'	6"	10.0"	34"	58"	82"								T	106"
10'	0"	10.0"	34"	58"	. 82"	106"								112"
11'	0"	10.0"	34"	58"	82"	106"								124"
12'	0"	10.0"	34"	58"	82"	106"	130"							136"
13'	0"	10.0"	34"	58"	82"	106"	130"							148"
14'	0"	10,0"	34"	58"	82"	106"	130"	154"						160"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"						172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"					196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"			232"
21	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		T	244"
22	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		256"
23	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		268"
24	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	274"	280"

ALL TRACK ATTACHMENTS $\pm /-2$ " ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY AMARR MODEL 1350 ONLY AVAILABLE UP TO 14"

TABLE 3

-2' (J51 MIN) DR 3' (12 GA: MIN) VERTICAL TRACK

DOOR	Section # (From Bottom)											
HEIGHT	1	2	3	4	5	6	7	8	9	10	11	12
8'	3"	2"	3"									
9'	3"	2"	3"	2"								
10'	3"	2"	3"	2"								
11'	3"	2"	3"	2"	3"							
12'	3"	2"	3"	2"	3"							
13'	3"	2"	3"	2"	3"	2"						
14'	3"	2"	3"	2"	3"	2"						
15'	3"	2"	3"	2"	3"	2"	3"					
16'	3"	2"	3"	2"	3"	2"	3"					
17'	3"	2"	3"	2"	3"	2"	3"	2"				
18'	3"	2"	3"	2"	3"	2"	3"	2"				
19'	3"	2"	3"	2"	3"	2"	3"	2"	3"			
20'	3"	2"	3"	2"	3"	2"	3"	2"	3"			
21'	3"	2"	3"	2"	3"	2"	3"	2"	3"	2"		
22'	3"	2"	3"	2"	3"	2"	3"	2"	3"	2"		
23'	3"	2"	3"	2"	3"	2"	3"	2"	3"	2"	3"	
24'	3"	2"	3"	2"	3"	2"	3"	2"	3"	2"	3"	

MAX SIZE
14'2 x 24'

DESIGN LOADS
+15.1 PSF
-17.2 PSF
TEST LOADS
+22.7 PSF
-25.8 PSF
-25.8 PSF

DESCRIPTION OF REVISIONS

DATE
BY

OTHER BY

OTHER



	1	MODEL	2700	AMARR AMARR AMARR	2742	(27GA)
SIZE	DRAWN BY	DRD	DATE	3/13/18		DRAWING NUMBER

B CHECKED BY RLR DATE 3/15/18 IBC-1314-104-15

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

SHEET 4 0F 4