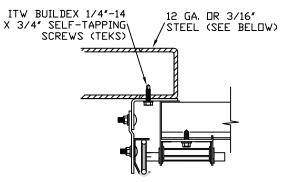


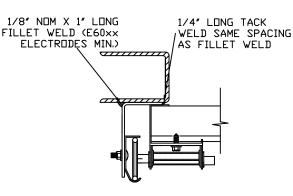
#### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

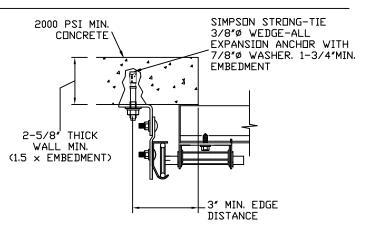
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6"
FROM ENDS AND 16" D.C.
REFER TO NOTES: 1, 2 AND 5

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



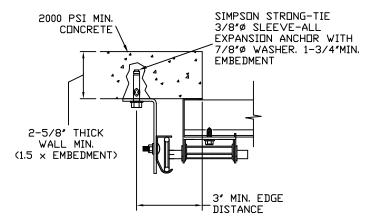
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

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" 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" D.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

# 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)

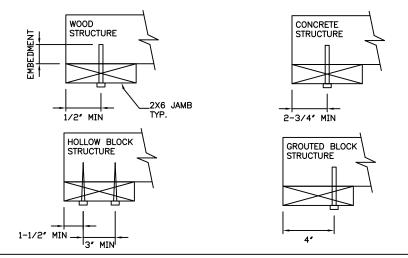
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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



#### NOTES:

- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FINDER.
- 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.

PER JAMB BRACKET (1-1/2"

EMBEDMENT MINIMUM> (TYP.)

- 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 SURFACE.
- 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.

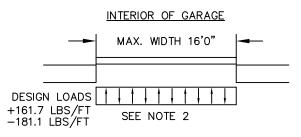
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +161.7 LBS/FT & -181.1 LBS/FT

3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.

4. DOOR SECTIONS SHALL BE  $\,$  24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 24'0" HIGH USE (1) 3" 20GA STRUT TOP EACH SECTION AND (1) 3" 20GA STRUT ON BOTTOM OF BOTTOM 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.

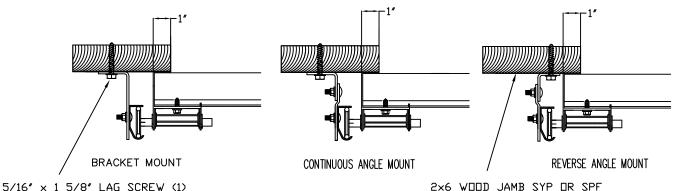
7. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC.

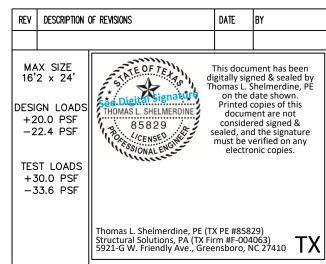


(ND.2) OR BETTER (TYP.)

### TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1 ON PAGE 4

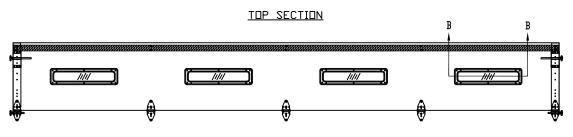




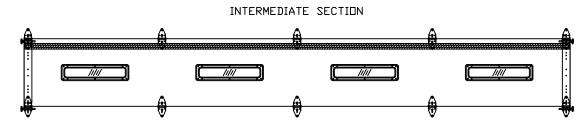


### MODEL 1000 AMARR 2432

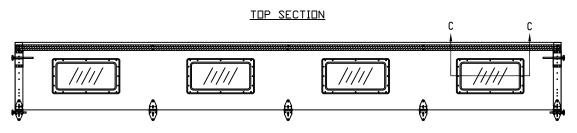
SIZE	SIZE DRAWN BY DRD		DRD DATE 6/14/18		DRAWING NUMBER		
В	CHECKED BY	DLJ	DATE	10/02/18	IBC-1016-120-15		
165.0	AM ARRIAGE COI	SHEET 2 OF 4					



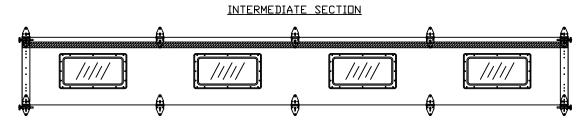
 $\underline{\text{OPTIONAL}}$  GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT N.T.S.



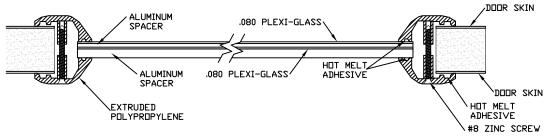
 $\underline{\text{DPTIONAL GLAZED SECTION W/ 24"}}$  X 6 WINDOWS AND STRUT LAYOUT N.T.S.



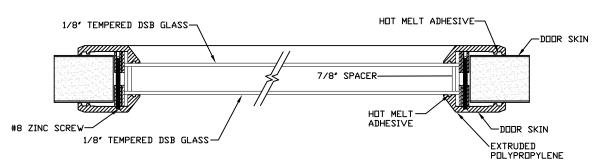
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT N.T.S.



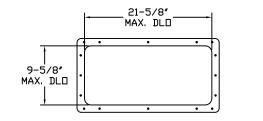
 $\underline{\text{DPTIDNAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT N.T.S.}$ 



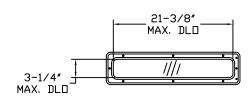
SECTION B-B 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS



SECTION C-C 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS N.T.S.



 $\underline{\textbf{24"}}$  X 12" DAY LIGHT <code>OPENING</code> AND FASTENER <code>DETAIL</code> N.T.S.



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

REV	DESCRIPTION (	OF REVISIONS	DATE	BY
16' +2 -2 TES	X SIZE 2 x 24' GN LOADS 0.0 PSF 2.4 PSF ST LOADS 50.0 PSF 53.6 PSF	THOMAS L. SHELMERDINE	ligitally sign homas L. Son the Printed docum conside sealed, an must be v	ment has been ned & sealed by Shelmerdine, PE date shown. copies of this lent are not red signed & d the signature verified on any onic copies.
		Thomas L. Shelmerdine, PE (1 Structural Solutions, PA (TX F 5921-G W. Friendly Ave., Gre	irm #F-004	1063) <b>TV</b>



# MODEL 1000 AMARR 2432

SIZE	DRAWN BY	DRD	DATE	6/14/18	DRAWING NUMBER
В	CHECKED BY	DLJ	DATE	10/02/18	IBC-1016-120-15
165 C	AM ARRIAGE COL	SHEET 3 OF 4			

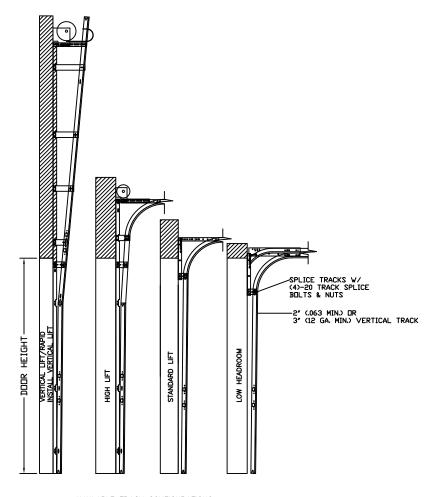
#### TABLE 2

Sec	tion	Cente	r Stile Lo	cations	Max Desi	gn Loads	
Width		(Fr	om Left E	idge)	Allowed		
vvic		1st	2nd	3rd	Positive	Negitive	
(11	.)	(in)	(in)	(in)	(PSF)	(PSF)	
9'	4"	36"	76"	-	25.3	28.4	
9'	6"	37"	77"	-	25.0	28.0	
9'	8"	38"	78"	-	24.7	27.7	
9'	10"	39"	79"	-	24.4	27.3	
10'	0"	40"	80"	-	24.1	27.0	
10'	2"	41"	81"	-	23.8	26.6	
10'	4"	42"	82"	-	23.5	26.3	
10'	6"	43"	83"	-	23.2	26.0	
10'	8"	44"	84"	-	22.9	25.7	
10'	10"	45"	85"	-	22.7	25.4	
11'	0"	46"	86"	-	22.4	25.1	
11'	2"	47"	87"	-	22.1	24.8	
11'	4"	48"	88"	-	21.9	24.5	
11'	6"	49"	89"	-	21.6	24.2	
11'	8"	50"	90"	-	21.4	24.0	
11'	10"	51"	91"	-	21.2	23.7	
12'	0"	48"	96"	-	20.1	22.5	
13'	0"	36"	78"	120"	22.9	25.7	
13'	2"	37"	79"	121"	22.9	25.7	
13'	4"	38"	80"	122"	22.9	25.7	
13'	6"	39"	81"	123"	22.9	25.7	
13'	8"	40"	82"	124"	22.9	25.7	
13'	10"	41"	83"	125"	22.9	25.7	
14'	0"	42"	84"	126"	22.9	25.7	
14'	2"	43"	85"	127"	22.7	25.4	
14'	4"	44"	86"	128"	22.4	25.1	
14'	6"	45"	87"	129"	22.1	24.8	
14'	8"	46"	88"	130"	21.9	24.5	
14'	10"	47"	89"	131"	21.6	24.2	
14'	0"	48"	90"	132"	21.4	24.0	
15'	2"	49"	91"	133"	21.2	23.7	
15'	4"	50"	92"	134"	20.9	23.4	
15'	6"	51"	93"	135"	20.7	23.2	
15'	8"	52"	94"	136"	20.5	22.9	
15'	10"	53"	95"	137"	20.3	22.7	
16'	0"	48"	96"	144"	20.1	22.5	
16'	2"	49"	97"	145"	20.0	22.4	

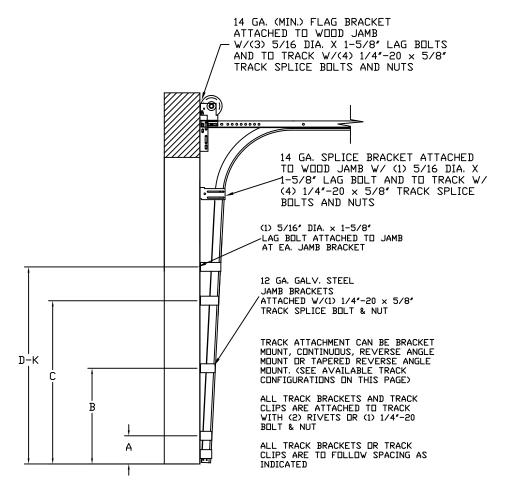
#### TABLE 1

DOOR		TRACK ATTACHMENT									SPLICE	
HEIGHT	Α	В	С	D	E	F	G	Н	I	J	K	S
6' 6	10"	34"	58"									70"
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"
10' 6	10"	34"	58"	82"	100"							118"
11' 0	10"	34"	58"	82"	106"							124"
11' 6	10"	34"	58"	82"	100"							130"
12' 0	10"	34"	58"	82"	106"							136"
12' 6	10"	34"	58"	82"	98"	124"						142"
13' 0	10"	34"	58"	82"	106"	130"						148"
13' 6	10"	34"	58"	82"	98"	124"						154"
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



AVAILABLE TRACK CONFIGURATIONS



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS SEE TABLE 1 ON PAGE 4

REV	DESCRIPTION O	F REVISIONS	DATE	BY
16' DESI +2 -2 TES +3	X SIZE 2 x 24' GN LOADS 0.0 PSF 2.4 PSF ST LOADS 50.0 PSF 33.6 PSF		digitally sig Thomas L. on the Printed docun conside sealed, ar must be	iment has been gned & sealed by Shelmerdine, PE date shown. copies of this nent are not ered signed & id the signature verified on any ionic copies.
		Thomas L. Shelmerdine, PE ( Structural Solutions, PA (TX I 5921-G W. Friendly Ave., Gre	TX PE #858 Firm #F-00 eensboro,	329) 4063) NC 27410 <b>TX</b>



## MODEL 1000 AMARR 2432

SIZE	Drawn by	DRD	DATE	6/14/18	DRAWING NUMBER
В	CHECKED BY	DLJ	DATE	12/02/16	IBC-1016-120-15
165 C	AMA	SHEET 4 OF 4			