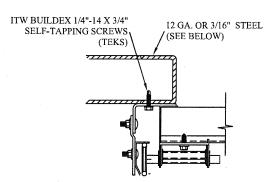


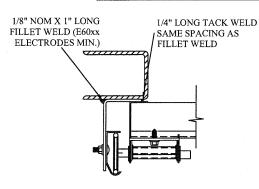
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

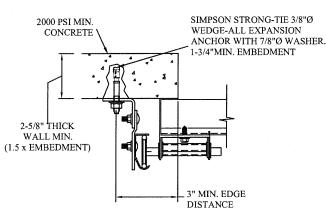
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS REFER TO NOTES: 1, 2 AND 5

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



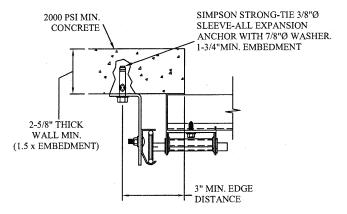
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 590 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 16" 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 14" 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: +253.0 LBS/FT & -286.2 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. DOORS UP TO 24'0" HIGH USE (1) 4.5" 20GA R-TRUSS PER SECTION & (1) ADDITIONAL 3" 20GA STRUT ON THE 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.

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 18" 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 16" 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 8" O.C. (1 1/2" EMBEDMENT)

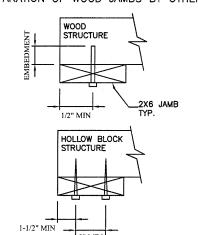
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

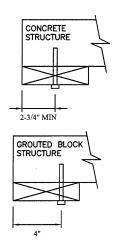
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 20" O.C. (1 1/4" EMBEDMENT)

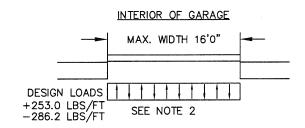
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. *PREPARATION OF WOOD JAMBS BY OTHERS



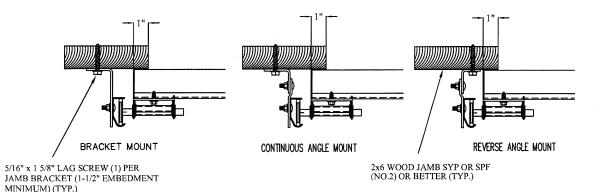


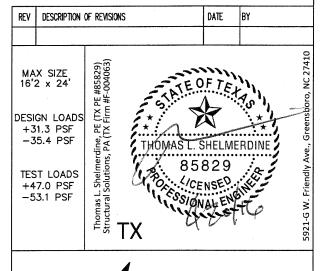
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REOUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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







MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

165.0	E COU	SHEET 2 OF 4			
В	CHECKED BY	RLR	DATE	02/09/16] IBC-2716-150-24
SIZE	DRAWN BY	RLR	DATE	02/09/16	DRAWING NUMBER

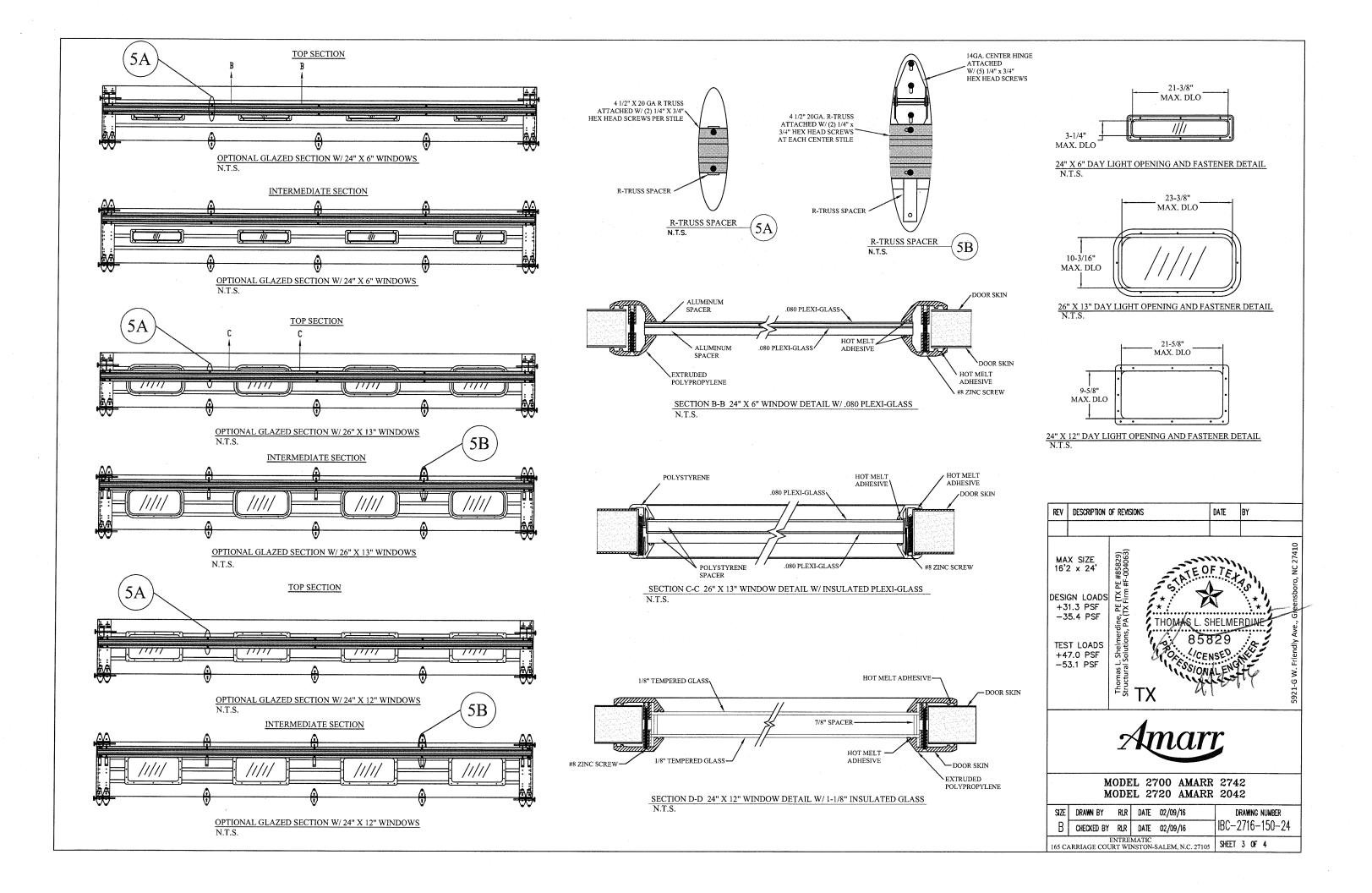
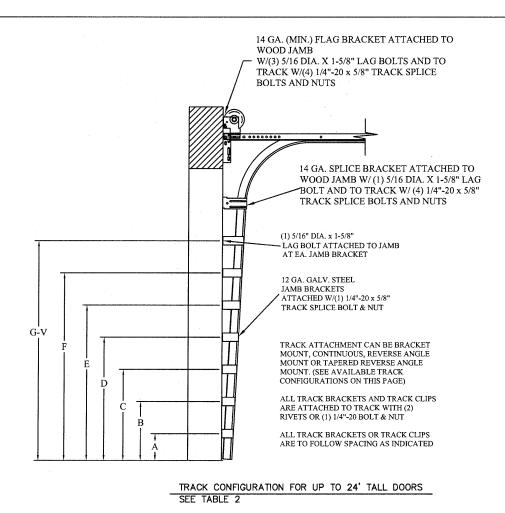


TABLE 1

Sec	tion	1	r Stile Lo		Max Design Loads					
Wie			asured fro	·	Allowed					
(f		1st	2nd	3rd	Positive	Negitive				
		(in)	(in)	(in)	(PSF)	(PSF)				
9'	4"	36"	76"		39.7	44.9				
9'	6"	37"	77"		39.2	44.3				
9'	8"	38"	78"	con	38.7	43.8				
9'	10"	39"	79"	tur	38.2	43.2				
10'	0"	40"	80"	-	37.7	42.7				
10'	2"	41"	81"	-	37.2	42.1				
10'	4"	42"	82"	-	36.8	41.6				
10'	6"	43"	83"	6	36.3	41.1				
10'	8"	44"	84"		35.9	40.6				
10'	10"	45"	85"	-	35.5	40.1				
11'	0"	46"	86"	-	35.1	39.7				
11'	2"	47"	87"	-	34.7	39.2				
11'	4"	48"	88"	-	34.3	38.8				
11'	6"	49"	89"		33.9	38.3				
11'	8"	50"	90"	-	33.5	37.9				
11'	10"	51"	91"	•	33.1	37.5				
12'	0"	48"	96"	-	31.4	35.5				
12'	2"	49"	97"	-	31.1	35.2				
12'	4"	50"	98"	100	30.8	34.8				
12'	6"	51"	99"	THE STATE OF THE S	30.5	34.5				
12'	8"	52"	100"	No.	30.2	34.1				
12'	10"	53"	101"	-	29.9	33.8				
13'	0"	36"	78"	120"	35.9	40.6				
13'	2"	37"	79"	121"	35.9	40.6				
13'	4"	38"	80"	122"	35.9	40.6				
13'	6"	39"	81"	123"	35.9	40.6				
13'	8"	40"	82"	124"	35.9	40.6				
13'	10"	41"	83"	125"	35.9	40.6				
14'	0"	42"	84"	126"	35.9	40.6				
14'	2"	43"	85"	127"	35.5	40.1				
14'	4"	44"	86"	128"	35.1	39.7				
14'	6"	45"	87"	129"	34.7	39.2				
14'	8"	46"	88"	130"	34.3	38.8				
14'	10"	47"	89"	131"	33.9	38.3				
15'	0"	48"	90"	132"	33.5	37.9				
15'	2"	49"	91"	133"	33.1	37.5				
15'	4"	50"	92"	134"	32.8	37.1				
15'	6"	51"	93"	135"	32.4	36.7				
15'	8"	52"	94"	136"	32.1	36.3				
15'	10"	53"	95"	137"	31.7	35.9				
16'	0"	48"	96"	144"	31.4	35.5				
16'	2"	49"	97"	145"	31.3	35.4				



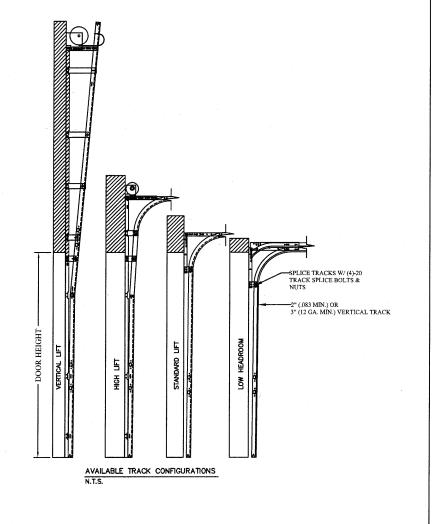


TABLE 2

DOOR																							SPLICE
HEIGHT	Α	В	С	D	ΙE	F	G	Н	TT	J	K	L	М	N	0	Р	Q.	R	S	T	U	V	S
7'	10"	22"	34"	46"	58"																		76"
8'	10"	22"	34"	46"	58"	70"																	88"
9'	10"	22"	34"	46"	58"	70"	82"																100"
10'	10"	22"	34"	46"	58"	70" -	82"	94"															112"
11'	10"	22"		46"	58"	70"	82"	94"	106"										· ·		Π		124"
12'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
14'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"								-		172"
16'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"						T .		196"
18'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

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

REV	DESCRIPTION	of Revisi	ONS				DATE	BY			
16'2 DESIGNATION +3 -3 TES +4	X SIZE 2 x 24 GN LOADS 1.3 PSF 5.4 PSF T LOADS 7.0 PSF 3.1 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	* THOI	•••••	L. SH	TEH 29 SEO	BDIN STO	The state of the s	5921-G W. Friendly Ave., Greensboro, NC 27410	
Amarr											
MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042											
SIZE	DRAWN BY	DRAWN BY RLR DATE 02/09/16						NUMBER			
В	CHECKED BY	RLR	DATE	02/0	9/16]IBC-2	2716-	150-2	24	
165 C	ARRIAGE COU	SHEET	SHEET 4 OF 4								