

ROLLER

HINGE 14GA

1/4-20 x 5/8"TRACK SPLICE

BOLT AND NUT OR (2) RIVETS

(7" MIN. STEM ROLLERS USED IN

TOP AND BOTTOM FIXTURES)

2"-10 BALL STEEL 4.5" MIN.

W/ RETAINERS USED FOR

NON THREADED SHAFTS

STEM ROLLERS

OPTIONAL

.063" MIN TRACK

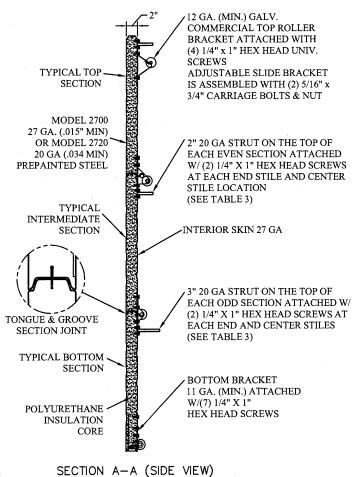
INTERMEDIATE \_

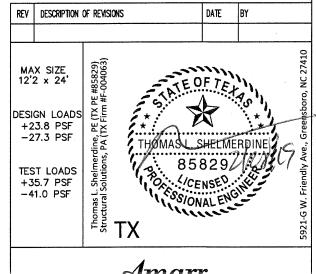
HINGES 14GA

2" BRACKET MOUNT TO WOOD JAMB DETAIL

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS, AND I=1.0):

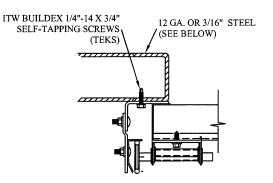
WIND SPEED (MPH)	130	118	112	107	103
EXPOSURE LEVEL	В	С	С	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'





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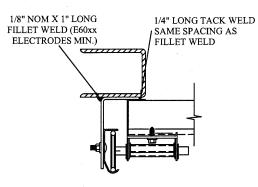
### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

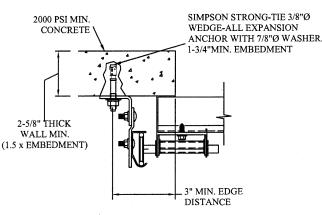
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 18" O.C. REFER TO NOTES: 1, 2 AND 5

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



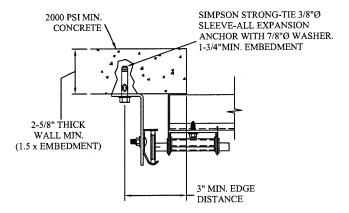
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 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 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" 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: +144.8 LBS/FT & -166.1 LBS/FT 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. 4. DOOR UP TO 24' TALL FOLLOW TABLE 3 STRUT SCHEDULE ON PAGE 3 5. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH 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)

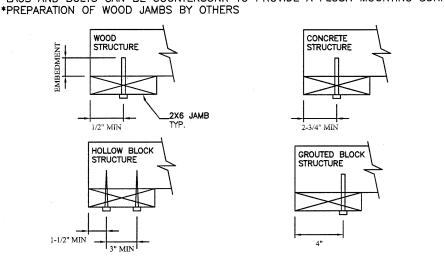
AT 24" O.C. (1 1/2" EMBEDMENT)

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)

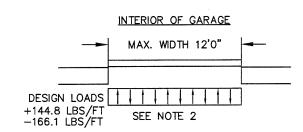
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

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.

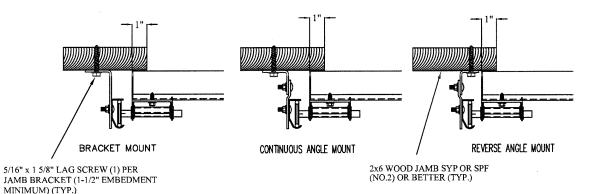


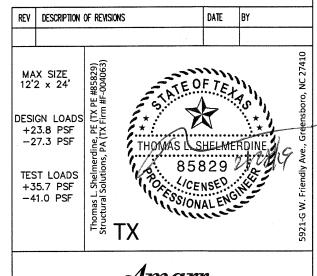
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REOUIRED
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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







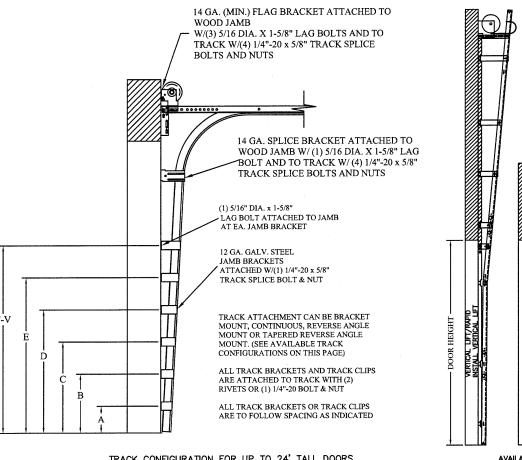
MODEL	2700	AMARR	2742
MODEL	2720	<b>AMARR</b>	2042

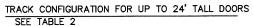
1/20	I DDI 4 CE COLI	SHEET 2 OF 3			
В	CHECKED BY	RLR	DATE	07/23/18	IBC-2712-130-15-
SIZE	DRAWN BY	RLR	DATE	07/23/18	DRAWING NUMBER

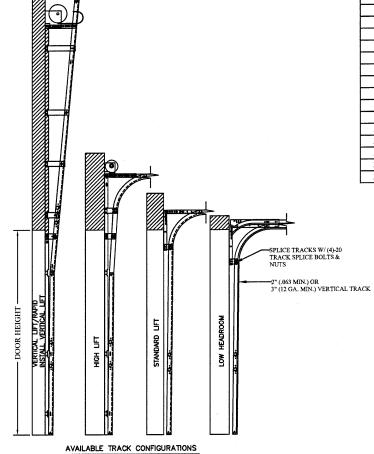
### TABLE 1

Sec	tion	Center Stile						
Wid		Loca	ations					
		1st	2nd					
(fl	.)	(in)	(in)					
6'	0"	36"	-					
6'	2"	37"	-					
6'	4"	38"	-					
6'	6"	39"	-					
6'	8"	40"	-					
6'	10"	41"	-					
7'	0"	42"	800					
7'	2"	43"						
7'	4"	44"						
7'	6"	45"						
7'	8"	46"	-					
7'	10"	47"						
8'	0"	48"	86					
9'	2"	37"	73"					
9'	4"	36"	76"					
9'	6"	37"	77"					
9'	8"	38"	78"					
9'	10"	39"	79"					
10'	0"	40"	80"					
10'	2"	41"	81"					
10'	4"	42"	82"					
10'	6"	43"	83"					
10'	8"	44"	84"					
10'	10"	45"	85"					
11'	0"	46"	86"					
11'	2"	47"	87"					
11'	4"	48"	88"					
11'	6"	49"	89"					
11'	8"	50"	90"					
11'	10"	51"	91"					
12'	0"	48"	96"					
12'	2"	49"	97"					

<sup>\*</sup>CONTACT ENGINEERING FOR SIZES 8'2-9'0







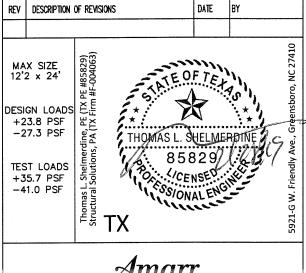
### TABLE 2

DOOR																						SPLICE
HEIGHT	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	C	S
7'	3.5"	10"	34"	58"																		76"
8'	3.5"	10"	34"	58"	82"																	88"
9'	3.5"	10"	34"	58"	82"	94"																100"
10'	3.5"	10"	34"	58"	82"	94"	106"															112"
11'	3.5"	10"	34"	58"	82"	94"	106"	118"														124"
12'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"													136"
13'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"												148"
14'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"											160"
15'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"										172"
16'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"									184"
17'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"								196"
18'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"							208"
19'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"						220"
20'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"					232"
21'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"				244"
22'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"
23'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"		268"
24'	3.5"	10"	34"	58"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	274"	280"

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

### TABLE 3

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





MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

SIZE	DRAWN BY	RLR	DATE	07/23/18	DRAWING NUMBER					
В	CHECKED BY	RLR	DATE	07/23/18	IBC-2712-130-15-I					
165.00	PRIACE COLL	SHEET 3 OF 3								