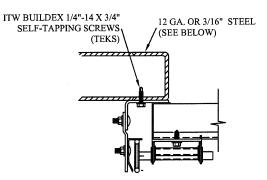


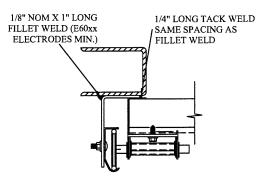
### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

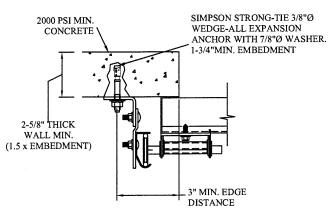
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS REFER TO NOTES: 1, 2 AND 5

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



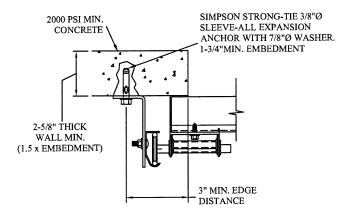
REVERSE ANGLE MOUNT SHOWN ANGLE MOUNT AVAILABLE

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 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: +252.2 LBS/FT & -285.3 LBS/FT

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

4. DOOR SECTIONS SHALL BE 6063 T6 ALUMINUM .050" WALL THICKNESS (TYP.) ANODIZED OR POWDER COAT FINISH

5. DOORS UP TO 24'0" HIGH WILL HAVE (1) 3-3/8" x.100" EXTRUDED ALUMINUM STRUT ON THE TOP RAIL OF EACH INTERMEDIATE SECTION AND (1) 3" 20GA STRUT LOCATED ON THE BOTTOM OF EACH INTERMEDIATE AND BOTTOM SECTION. AND (2) 3" 20GA STRUTS ON THE TOP 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 THÉN 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)

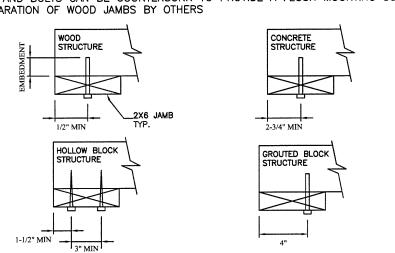
AT 8" O.C. (1 1/2" EMBEDMENT) HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

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

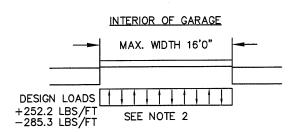
THEN 20" O.C. (1 1/4" EMBEDMENT)

(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

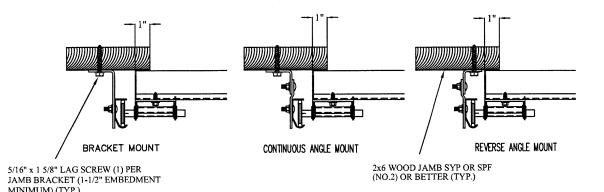


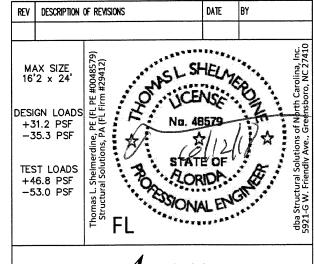
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3 MIN EGDE DISTANCE OF 3" REQUIRED
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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



## TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 3 FOR TRACK CONFIGURATION DETAIL





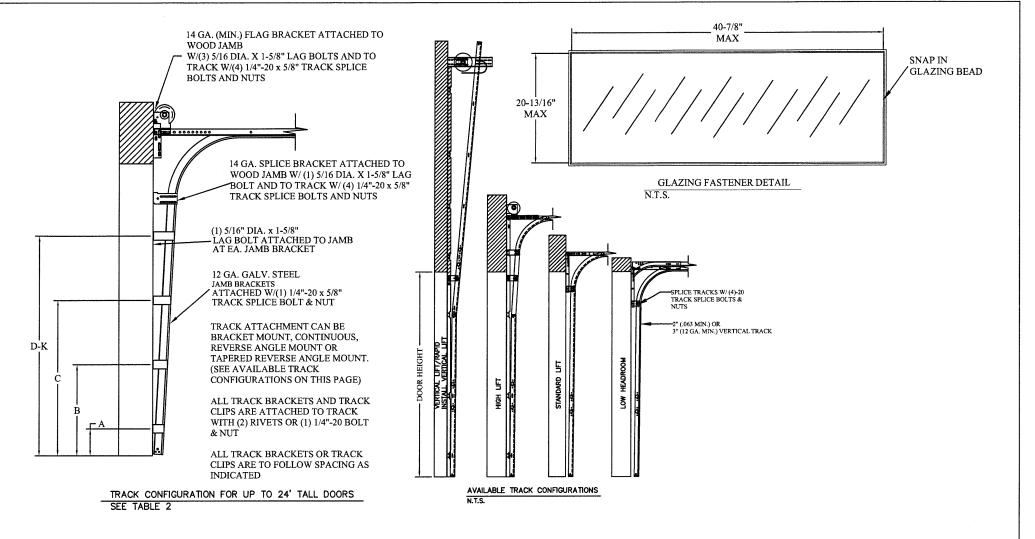
MODEL 3550HD AMARR 3552 MODEL VISTA AMARR 3552

ENTREMATIC

SIZE	DRAWN BY	RLR	DATE	6/6/18	DRAWING NUMBER
В	CHECKED BY	RLR	DATE	6/6/18	IBC-3616-150-63
165 CA	ERIAGE COUR	ENTRI	EMATIC	SALEM, N.C. 271	05 SHEET 2 OF 3

### TABLE 1

Sec	tion	Cente	r Stile Lo	cations	Max Design Loads				
Wie		(Mea	sured fro	m Left	Allowed				
1		1st	2nd	3rd	Positive	Negitive			
(f	יי	(in)	(in)	(in)	(PSF)	(PSF)			
12'	4"	50"	98"	-	30.7	34.7			
12'	6"	51"	99"	-	30.4	34.4			
12'	8"	52"	100"	-	30.1	34.0			
12'	10"	53"	101"	-	29.8	33.7			
13'	0"	36"	78"	120"	35.8	40.5			
13'	2"	37"	79"	121"	35.8	40.5			
13'	4"	38"	80"	122"	35.8	40.5			
13'	6"	39"	81"	123"	35.8	40.5			
13'	8"	40"	82"	124"	35.8	40.5			
13'	10"	41"	83"	125"	35.8	40.5			
14'	0"	42"	84"	126"	35.8	40.5			
14'	2"	43"	85"	127"	35.4	40.0			
14'	4"	44"	86"	128"	35.0	39.6			
14'	6"	45"	87"	129"	34.6	39.1			
14'	8"	46"	88"	130"	34.2	38.7			
14'	10"	47"	89"	131"	33.8	38.2			
15'	0"	48"	90"	132"	33.4	37.8			
15'	2"	49"	91"	133"	33.0	37.4			
15'	4"	50"	92"	134"	32.7	37.0			
15'	6"	51"	93"	135"	32.3	36.6			
15'	8"	52"	94"	136"	32.0	36.2			
15'	10"	53"	95"	137"	31.6	35.8			
16'	0"	48"	96"	144"	31.3	35.4			
16'	2"	49"	97"	145"	31.2	35.3			



### TABLE 2

DOOR										TRA	CK AT	TACHM	ENT		***************************************								TYPICAL
HEIGHT	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S	Т	U	V	SPLICE
7' 0"	10.0"	22"	34"	46"	58"																		76"
7' 6"	10.0"	22"	34"	46"	58"	70"																	82"
8' 0"	10.0"	22"	34"	46"	58"	70"																	88"
9' 0"	10.0"	22"	34"	46"	58"	70"	82"																100"
9' 6"	10.0"	22"	34"	46"	58"	70"	82"	94"															106"
10' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"						-									112"
11' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"														124"
12' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
14' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20' 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23 0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24 0"	10.0"	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 REVIS	IONS			DATE	BY					
DESI() +3 -3 TES +4	AX SIZE 2 x 24'  GN LOADS 1.2 PSF 5.3 PSF  GT LOADS 6.8 PSF 3.0 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)	FL	0.00	SH 48 STATE PROPERTY ON A	HELMING SEP JOF JOP LENG	dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410					
	Amarr											
	MODEL 3550HD AMARR 3552 MODEL VISTA AMARR 3552											
SIZE	DRAWN BY	RLR	DATE	6/6/18		1 -	RAWING NUMBER					
В	CHECKED BY		DATE	6/6/18		IBC-	-3616-150-63					
165 CA	RRIAGE COU		EMATIC NSTON-		N.C. 2710	5 SHEET	3 OF 3					