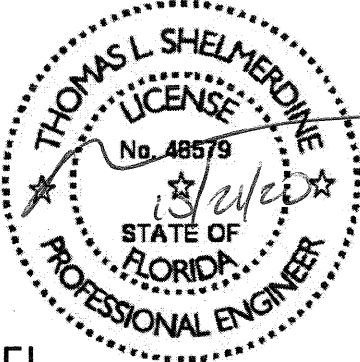


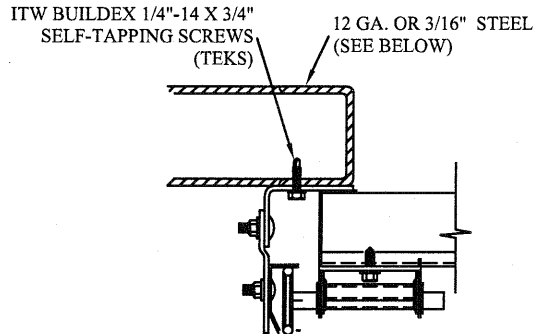
WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS		DATE	BY

MAX SIZE 12'2" x 24' DESIGN LOADS +23.8 PSF -27.3 PSF TEST LOADS +35.7 PSF -41.0 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)	 FL	dba Structural Solutions of North Carolina, Inc. 10577 Z...
	<i>Amarr</i>		

MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042			
SIZE	DRAWN BY	R/LR	DATE 07/23/18
B	CHECKED BY	R/LR	DATE 07/23/18
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2712-130-15- SHEET 1 OF 3

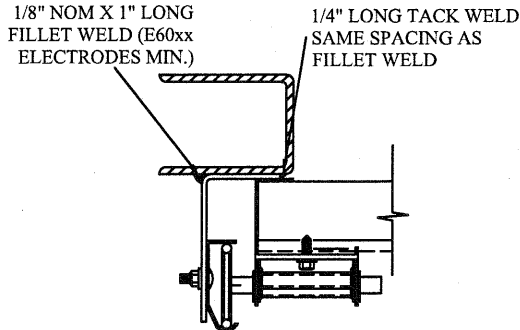
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

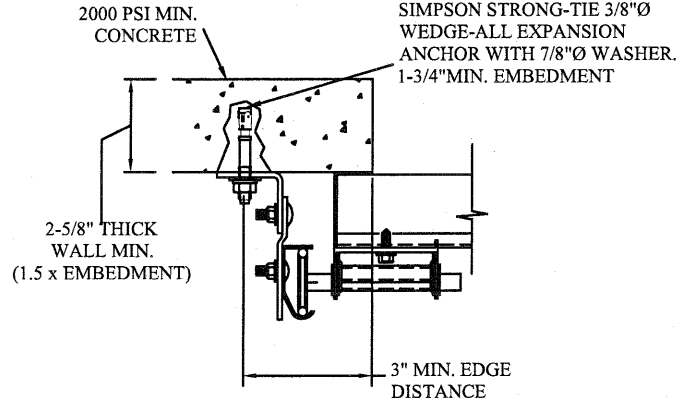
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 18" O.C.
REFER TO NOTES: 1, 2 AND 5

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



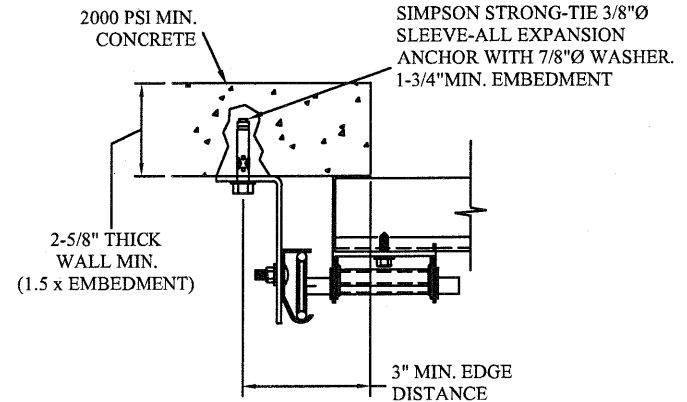
**REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE**

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
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" 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 REGISTERED 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)

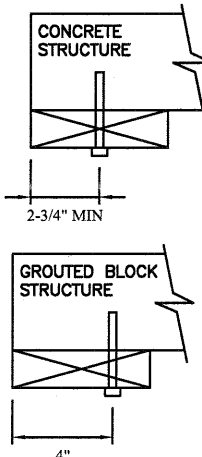
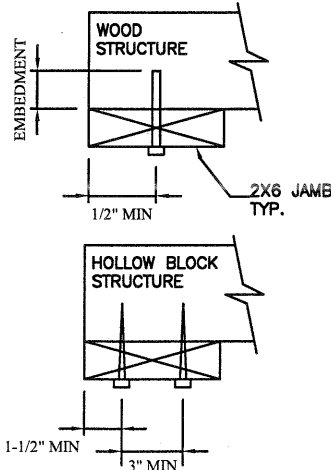
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

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)

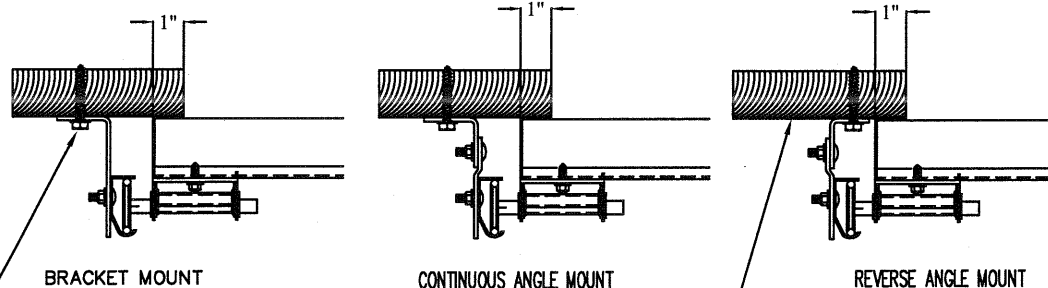
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*PREPARATION OF WOOD JAMBS BY OTHERS



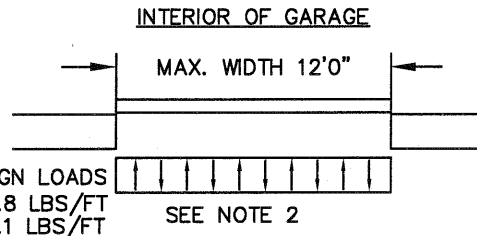
TRACK CONNECTION TO WOOD JAMB OPTIONS

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



5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

2x6 WOOD JAMB SYP OR SPF
(NO.2) OR BETTER (TYP.)



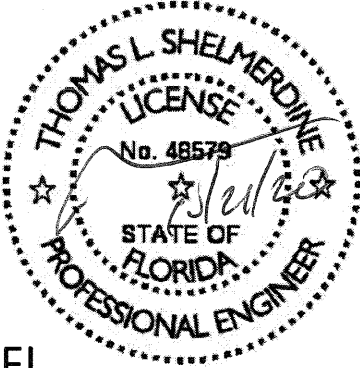
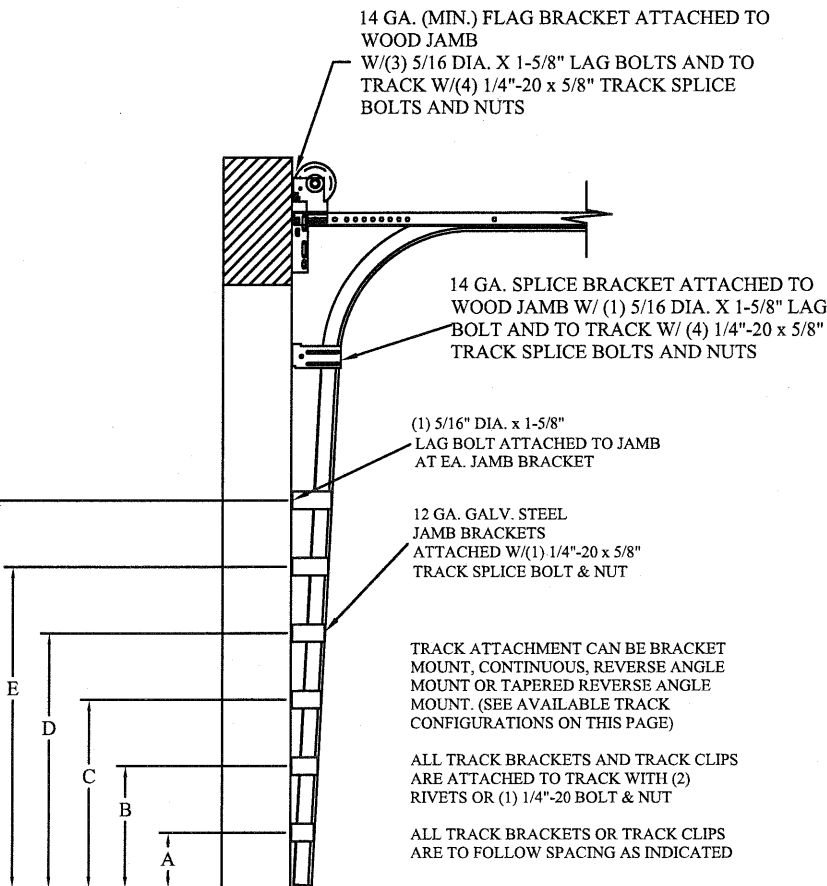
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'2" x 24' DESIGN LOADS +23.8 PSF -27.3 PSF TEST LOADS +35.7 PSF -41.0 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042			
SIZE B	DRAWN BY	R/LR	DATE 07/23/18
	CHECKED BY	R/LR	DATE 07/23/18
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			
SHEET 2 OF 3			

TABLE 1

Section Width (ft)		Center Stile Locations		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	32.0	36.7
6'	2"	37"	-	31.1	35.7
6'	4"	38"	-	30.3	34.8
6'	6"	39"	-	29.5	33.9
6'	8"	40"	-	28.8	33.1
6'	10"	41"	-	28.1	32.2
7'	0"	42"	-	27.4	31.5
7'	2"	43"	-	26.8	30.7
7'	4"	44"	-	26.2	30.0
7'	6"	45"	-	25.6	29.4
7'	8"	46"	-	25.0	28.7
7'	10"	47"	-	24.5	28.1
8'	0"	48"	-	24.0	27.5
8'	2"	49"	-	23.5	27.0
8'	4"	50"	-	23.0	26.4
8'	6"	51"	-	22.6	25.9
8'	8"	52"	-	22.1	25.4
8'	10"	53"	-	21.7	24.9
9'	0"	54"	-	21.3	24.5
9'	2"	37"	73"	31.5	36.2
9'	4"	36"	76"	30.2	34.6
9'	6"	37"	77"	29.8	34.2
9'	8"	38"	78"	29.4	33.7
9'	10"	39"	79"	29.0	33.3
10'	0"	40"	80"	28.7	32.9
10'	2"	41"	81"	28.3	32.5
10'	4"	42"	82"	27.8	31.9
10'	6"	43"	83"	27.4	31.4
10'	8"	44"	84"	27.0	30.9
10'	10"	45"	85"	26.5	30.5
11'	0"	46"	86"	26.1	30.0
11'	2"	47"	87"	25.8	29.5
11'	4"	48"	88"	25.4	29.1
11'	6"	49"	89"	25.0	28.7
11'	8"	50"	90"	24.6	28.3
11'	10"	51"	91"	24.3	27.9
12'	0"	48"	96"	23.9	27.4
12'	2"	49"	97"	23.8	27.3



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

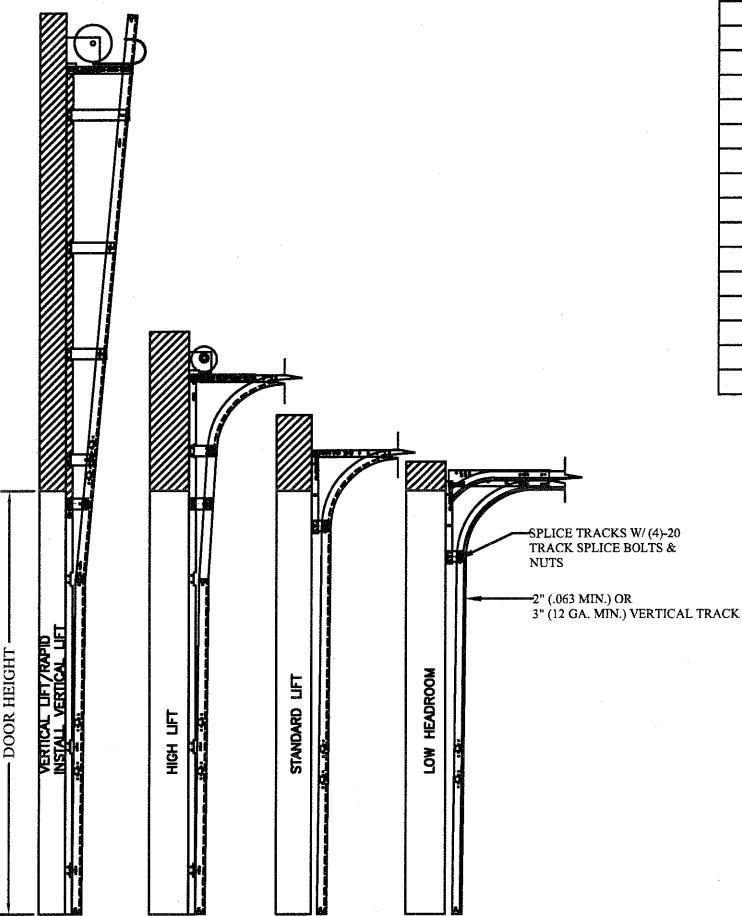
TABLE 2

DOOR HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	SPLICE 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 HEIGHT	Section # (From Bottom)											
8'	1	2	3	4	5	6	7	8	9	10	11	12
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"	2"		
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"



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REVDESCRIPTION OF REVISIONSDATEBY

MAX SIZE
12'2 x 24'

DESIGN LOADS
+23.8 PSF
-27.3 PSF

TEST LOADS
+35.7 PSF
-41.0 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL 2700 AMARR 2742
MODEL 2720 AMARR 2042

SIZEB

DRAWN BYRLR

CHECKED BYRLR

DATE07/23/18

DATE07/23/18

DRAWING NUMBERIBC-2712-130-15-1

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

SHEET 3 OF 3