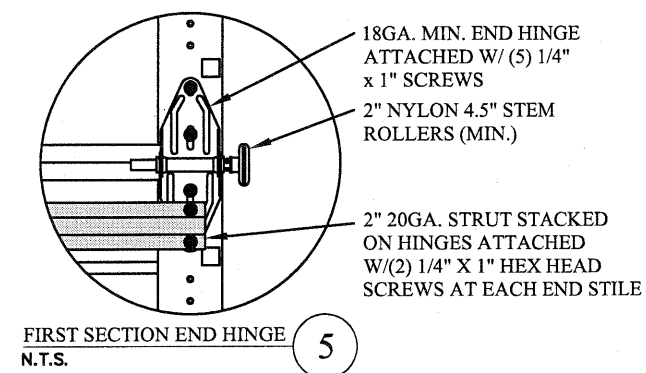
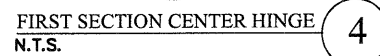
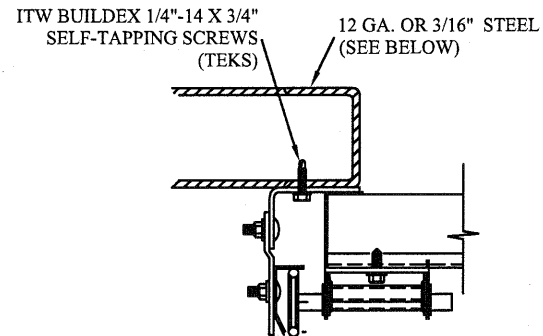




WIND SPEED (MPH)	135	122	116	111	106
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

SIZE	DRAWN BY DRD	DATE 5/23/18	DRAWING NUMBER IBC-2009-104-11-
B	CHECKED BY DLJ	DATE 7/24/18	
ENTREMATICS			SHEET 1 OF 4
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			

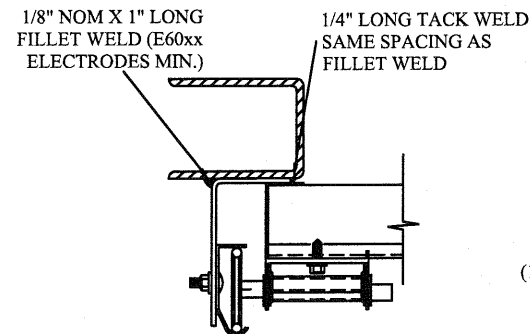
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

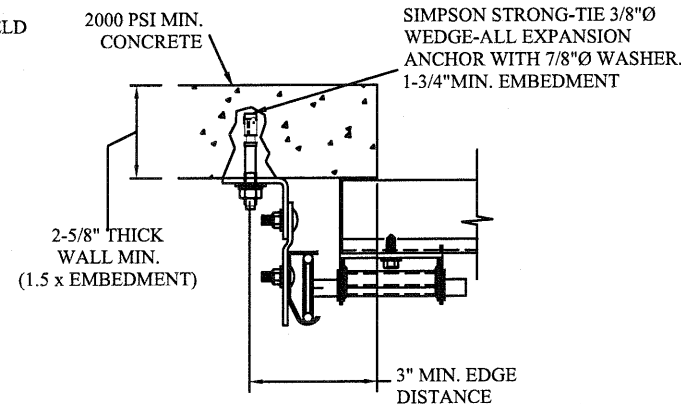
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

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



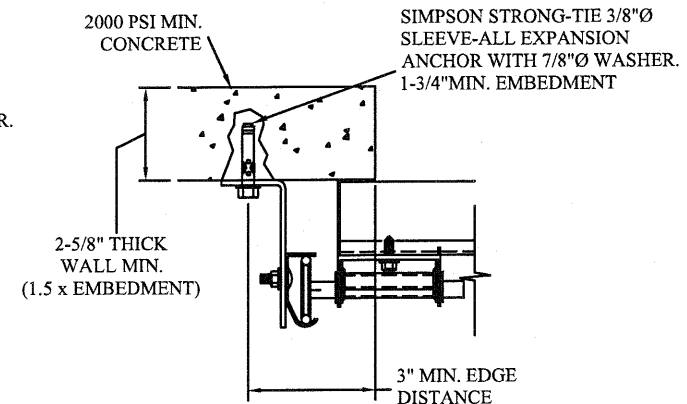
**REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE**

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:
+72.8 LBS/FT AND -85.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 20 GA. (.033) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION 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)

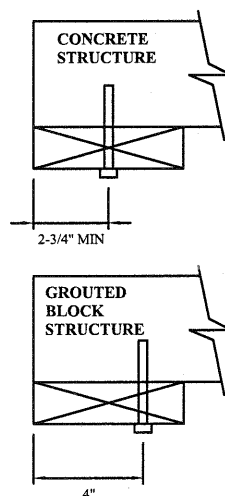
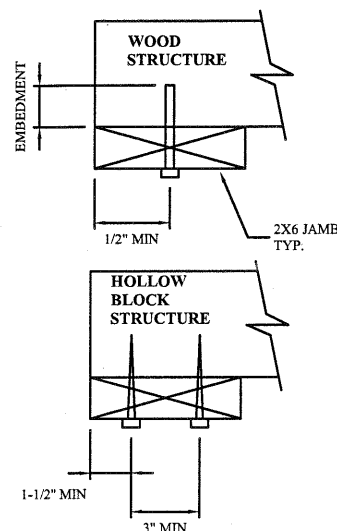
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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)

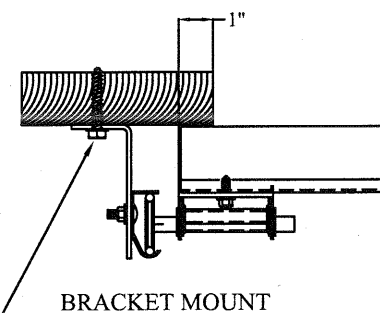
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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

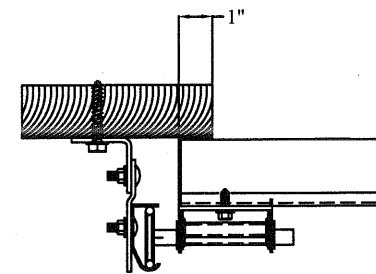


TRACK CONNECTION TO WOOD JAMB OPTIONS

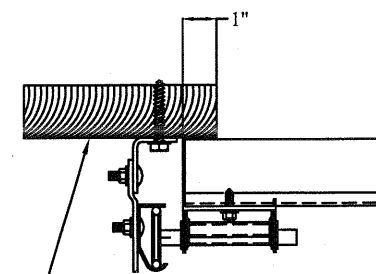
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



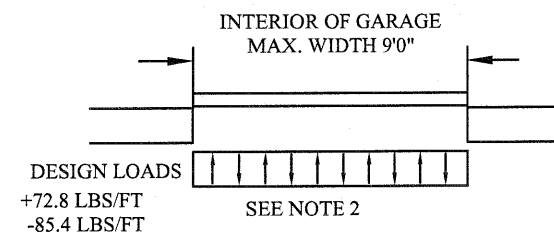
5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

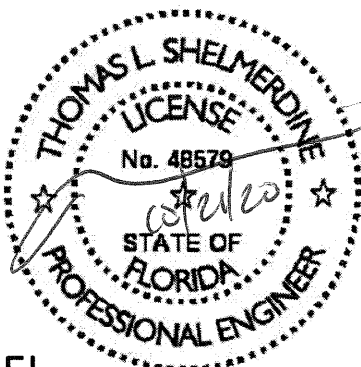


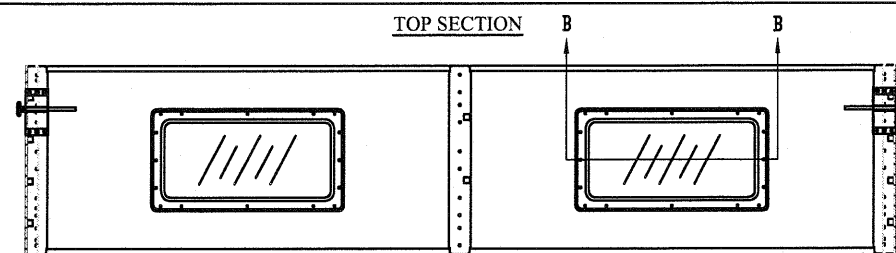
CONTINUOUS ANGLE MOUNT



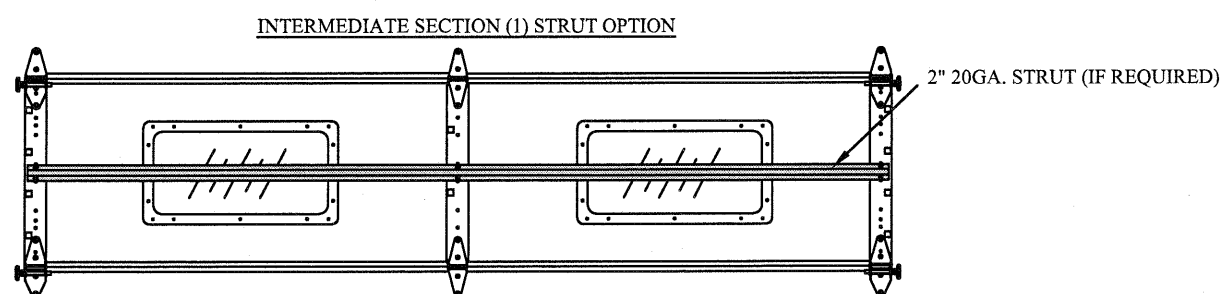
REVERSE ANGLE MOUNT



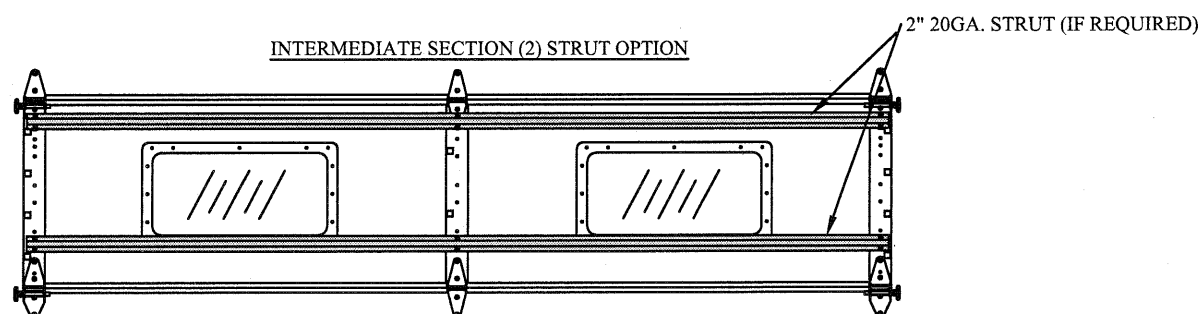
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'4" x 24' DESIGN LOADS +15.6 PSF -18.3 PSF TEST LOADS +23.4 PSF -27.5 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 2000 AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	DRO	DATE 5/23/18
B	CHECKED BY	DLJ	DATE 7/24/18
ENTREMATICS			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, NC 27109			IBC-2009-104-11-R
			SHEET 2 OF 4



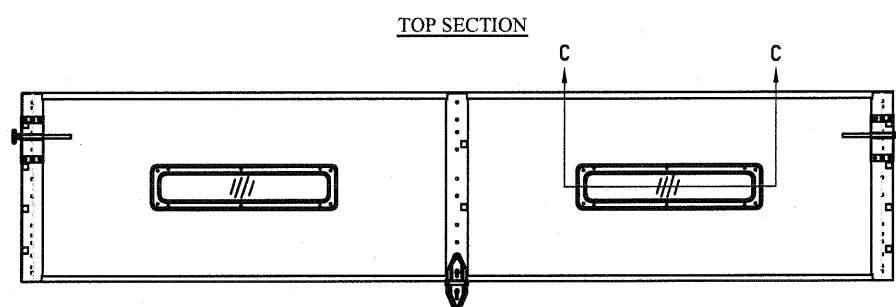
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOW LAYOUT
N.T.S.



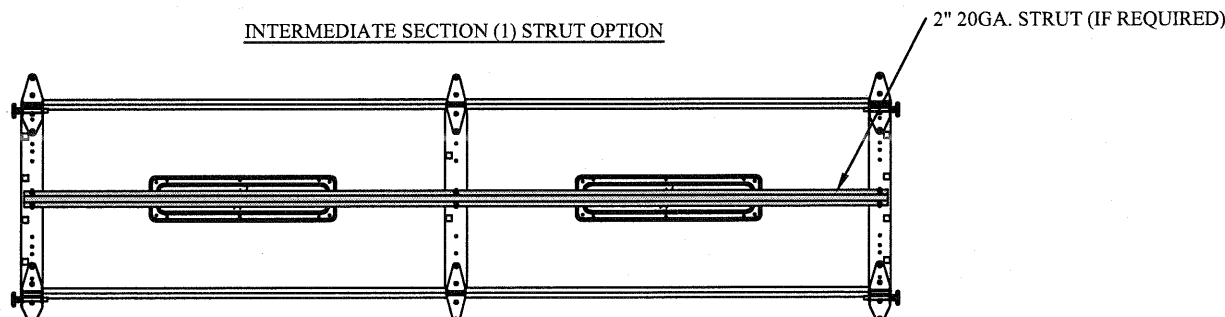
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT
N.T.S.



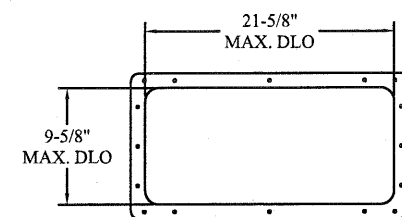
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT
N.T.S.



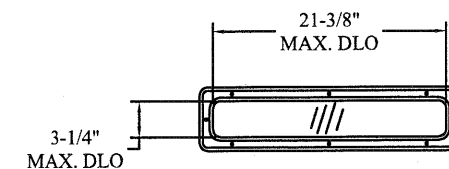
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOW LAYOUT
N.T.S.



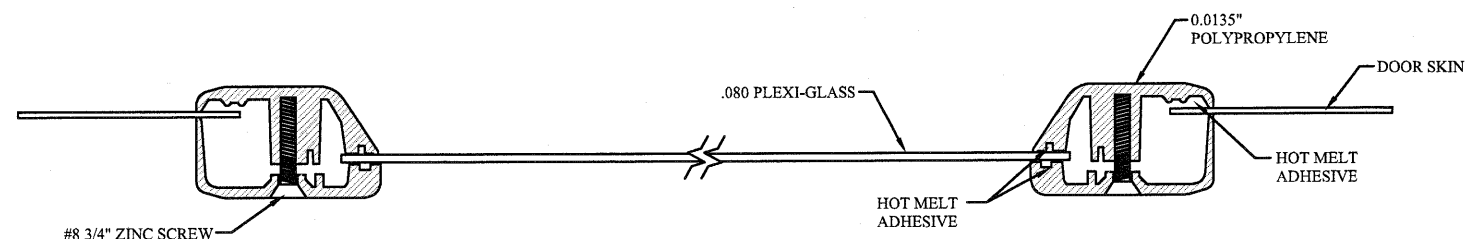
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.



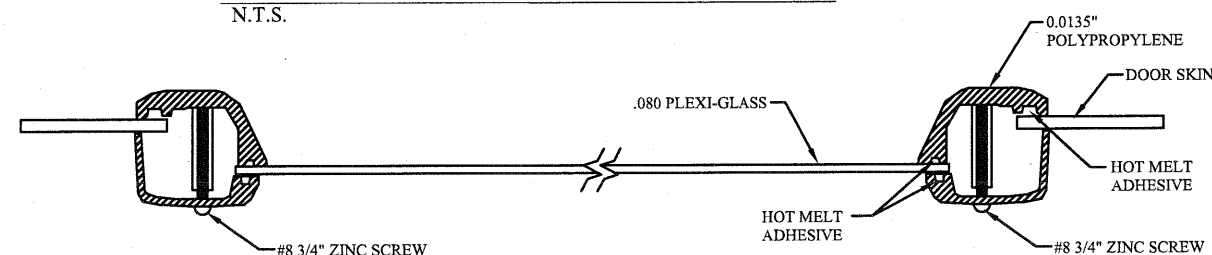
24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



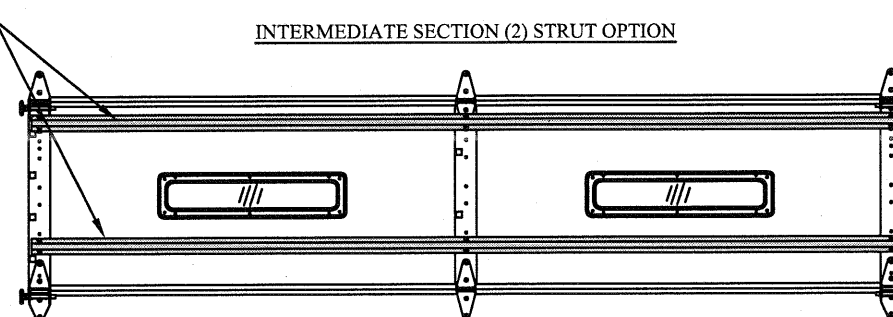
24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.

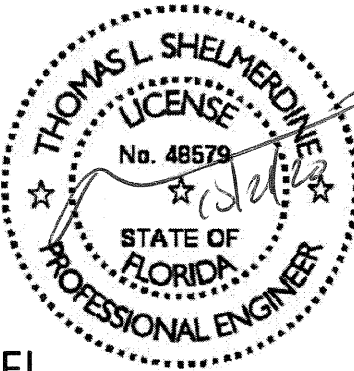


SECTION C-C 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S. (ALSO AVAILABLE WITH 1/8" DSB GLASS)



OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9'4" x 24' DESIGN LOADS +15.6 PSF -18.3 PSF TEST LOADS +23.4 PSF -27.5 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc.
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MODEL 2000 AMARR 2002, 2012, 2020			
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SIZE B	DRAWN BY DRD	DATE 5/23/18	DRAWING NUMBER IBC-2009-104-11-
CHECKED BY DLW	DATE 7/24/18		

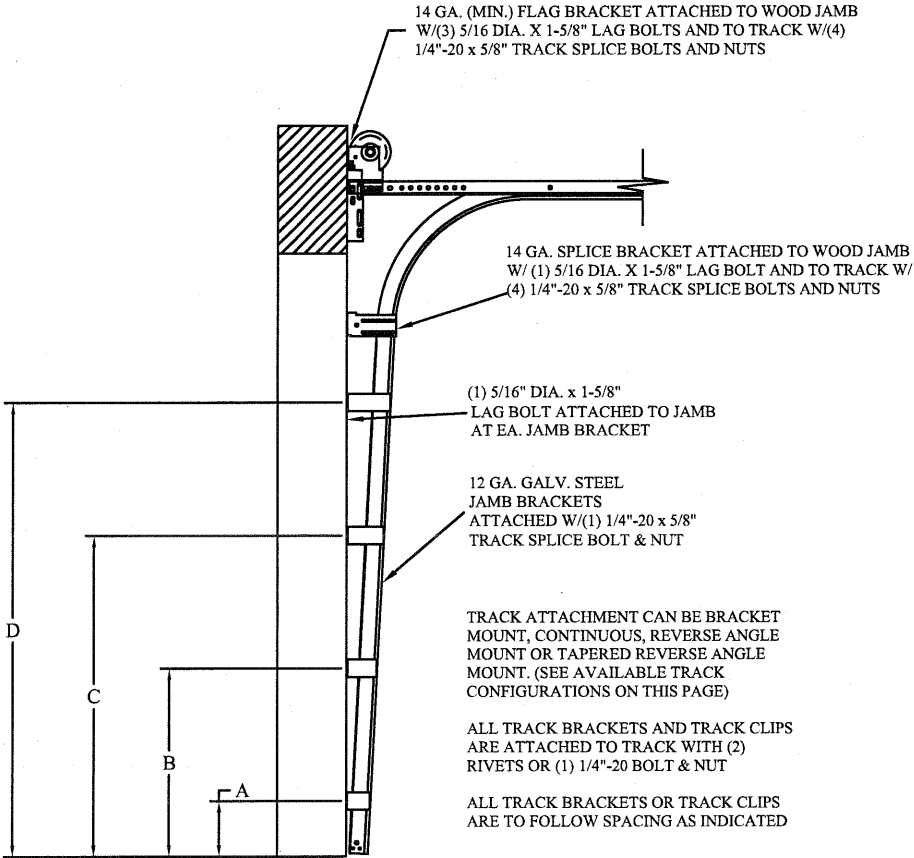
ENTREMATIC

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

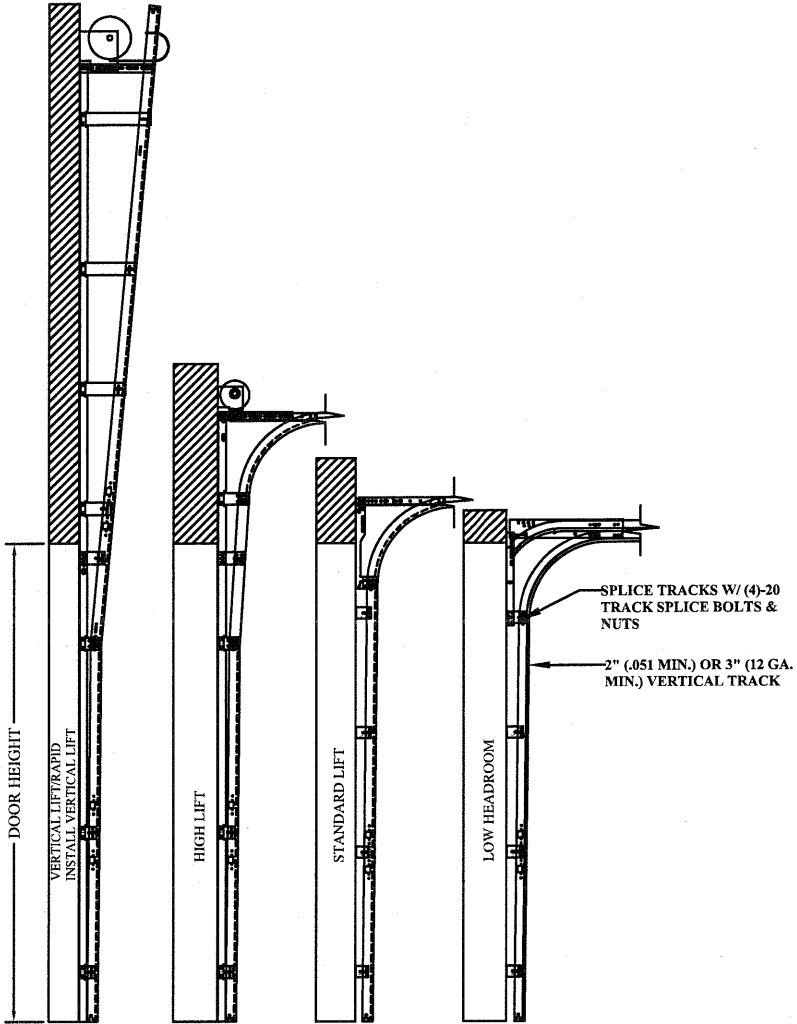
SHEET 3 OF 4

TABLE 1

Section	Center	Max Design	
	Stile	Positive	Negative
Width	1st	(PSF)	(PSF)
(ft)	(in)		
6' 0	36"	24.1	28.3
6' 2	37"	23.5	27.5
6' 4	38"	22.8	26.8
6' 6	39"	22.3	26.1
6' 8	40"	21.7	25.5
6' 10	41"	21.2	24.8
7' 0	42"	20.7	24.3
7' 2	43"	20.2	23.7
7' 4	44"	19.7	23.1
7' 6	45"	19.3	22.6
7' 8	46"	18.8	22.1
7' 10	47"	18.4	21.7
8' 0	48"	18.1	21.2
8' 2	49"	17.7	20.8
8' 4	50"	17.3	20.3
8' 6	51"	17.0	19.9
8' 8	52"	16.7	19.6
8' 10	53"	16.3	19.2
9' 0	54"	16.0	18.8
9' 2	55"	15.7	18.5
9' 4	56"	15.6	18.3



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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT												TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	
7' 0"	10"	34"	58"										76"
7' 6"	10"	34"	58"										82"
8' 0"	10"	34"	58"										88"
8' 6"	10"	34"	58"	70"									94"
9' 0"	10"	34"	58"	70"									100"
9' 6"	10"	34"	58"	70"	94"								106"
10' 0"	10"	34"	58"	70"	94"								112"
11' 0"	10"	34"	58"	70"	94"								124"
12' 0"	10"	34"	58"	70"	94"	118"							136"
13' 0"	10"	34"	58"	70"	94"	118"							148"
14' 0"	10"	34"	58"	70"	94"	118"	142"						160"
15' 0"	10"	34"	58"	70"	94"	118"	142"						172"
16' 0"	10"	34"	58"	70"	94"	118"	142"	166"					184"
17' 0"	10"	34"	58"	70"	94"	118"	142"	166"					196"
18' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				208"
19' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"				220"
20' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			232"
21' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"			244"
22' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		256"
23' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"		268"
24' 0"	10"	34"	58"	70"	94"	118"	142"	166"	190"	214"	238"	262"	280"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'4 x 24'

DESIGN LOADS
+15.6 PSF
-18.3 PSF

TEST LOADS
+23.4 PSF
-27.5 PSF

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

Thomas L. Sheldermine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	DRD	DATE	5/23/18	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	7/24/18	IBC-2009-104-11-R

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

SHEET 4 OF 4