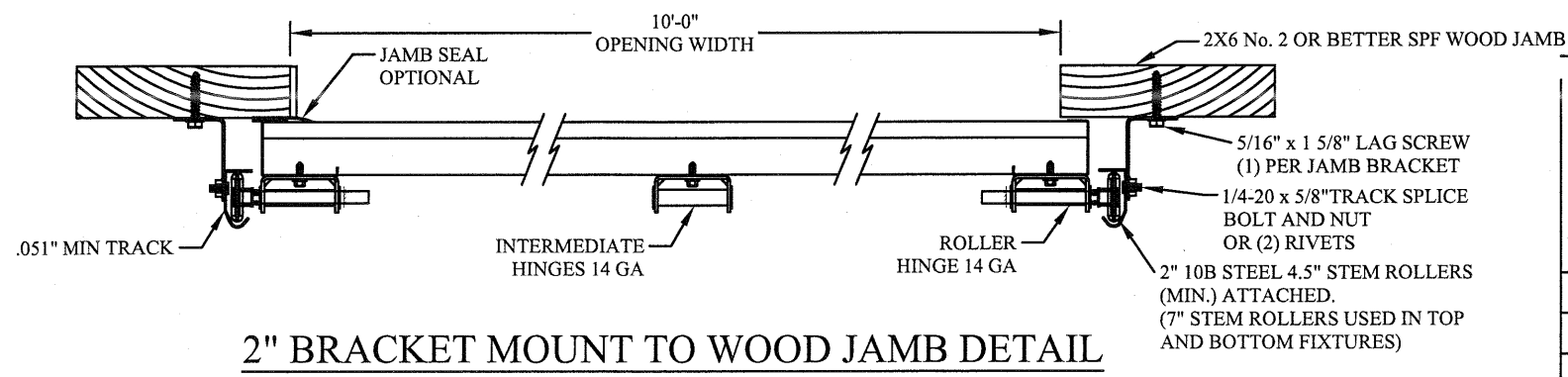
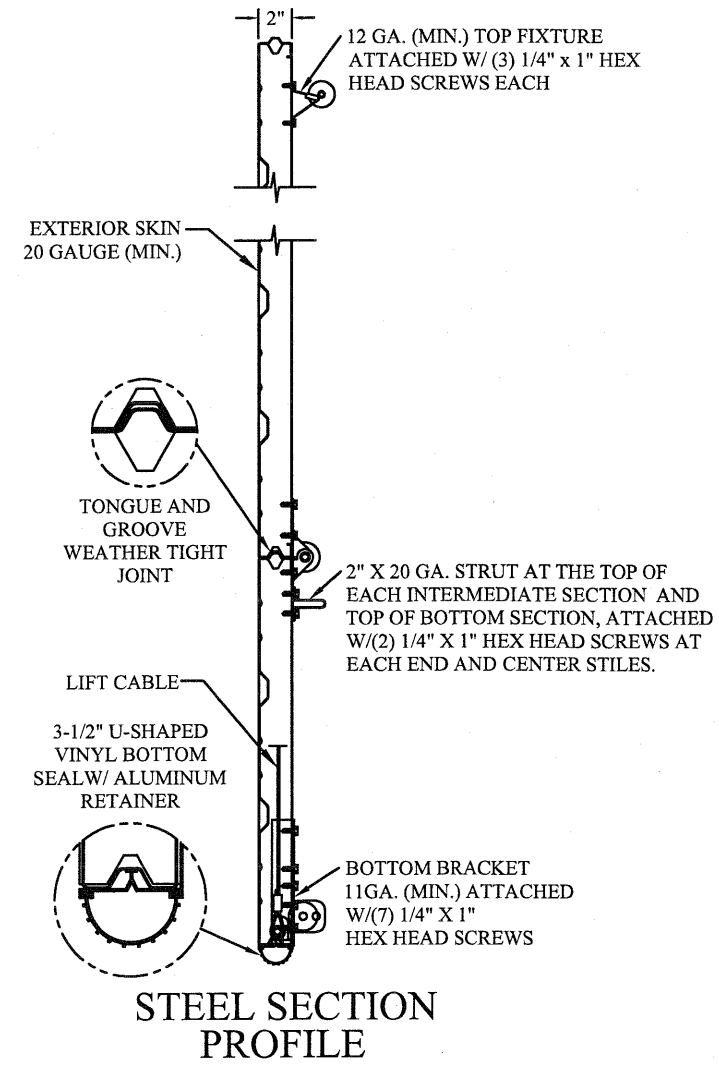
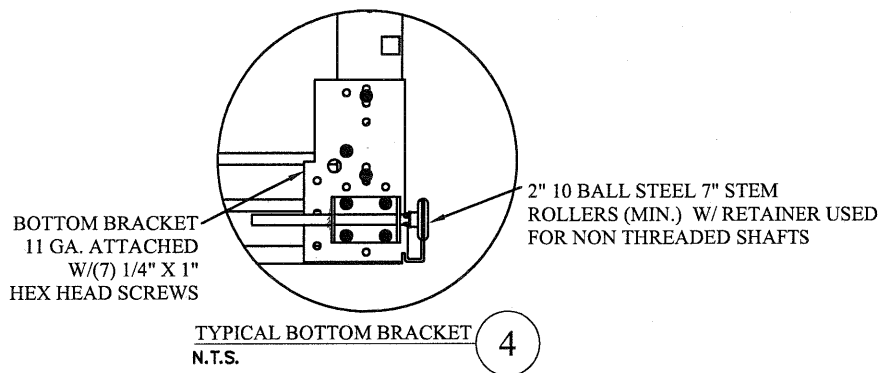
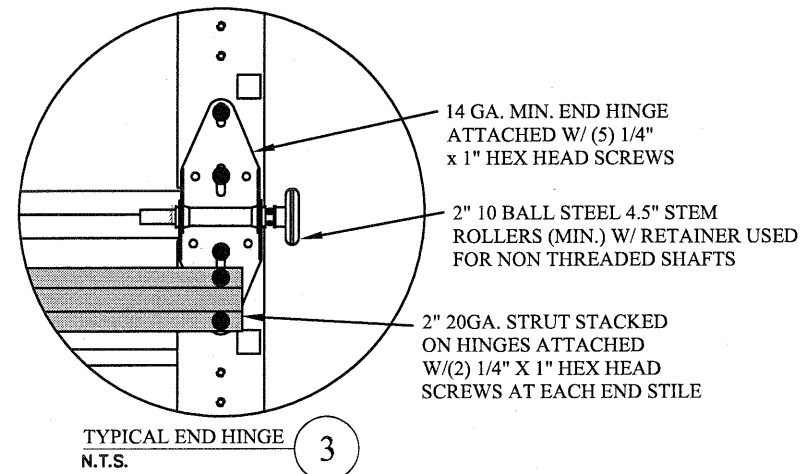
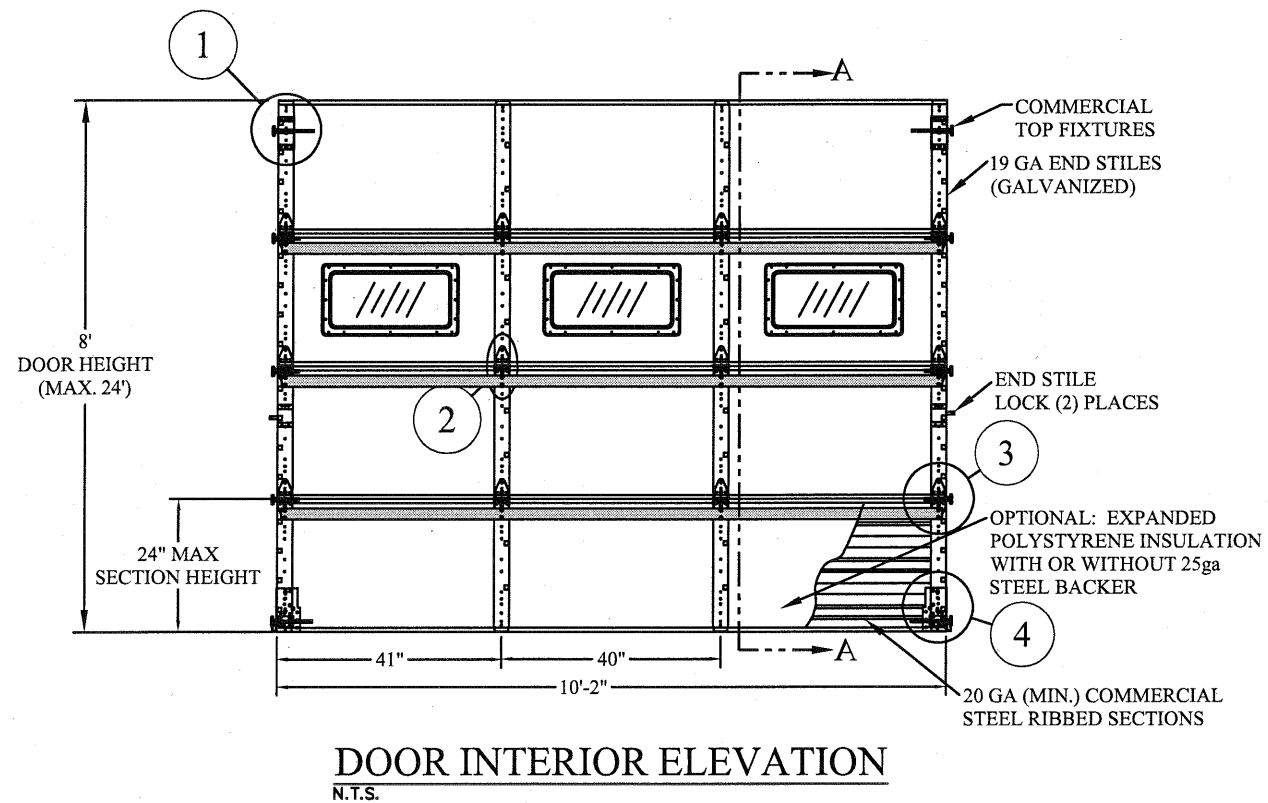
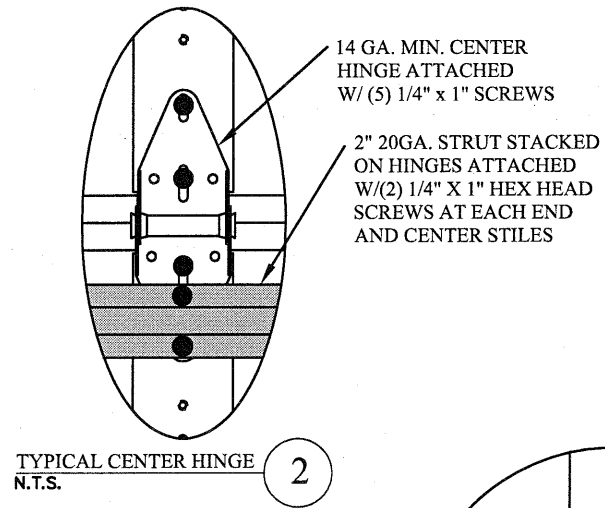
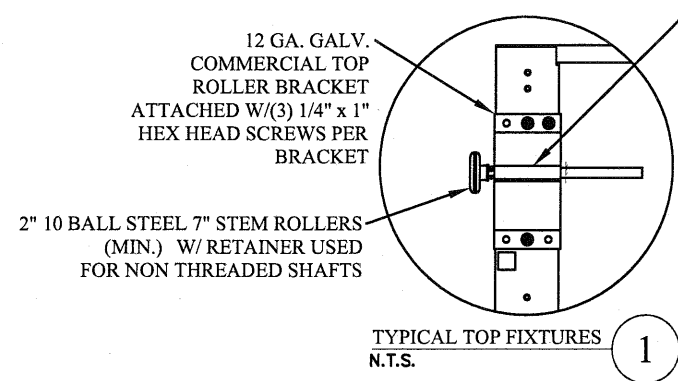




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

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
10'2" x 24'

DESIGN LOADS
+24.1 PSF
-28.1 PSF

TEST LOADS
+36.2 PSF
-42.2 PSF

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

FL

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

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5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL 2000 AMARR 2002, 2012, 2022

SIZE	DRAWN BY	DRD	DATE	9/12/18	DRAWING NUMBER IBC-2010-130-11
B	CHECKED BY	DLJ	DATE	12/19/18	

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

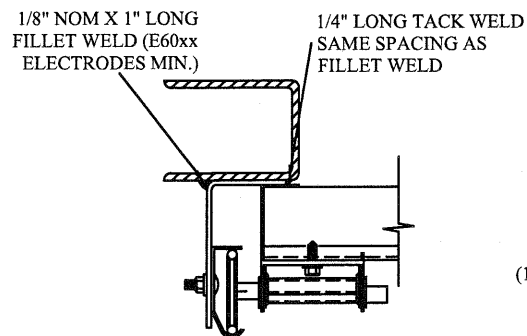
SHEET 1 OF 4

ITW BUILDDEX 1/4"-14 X 3/4"
SELF-TAPPING SCREWS
(TEKS)

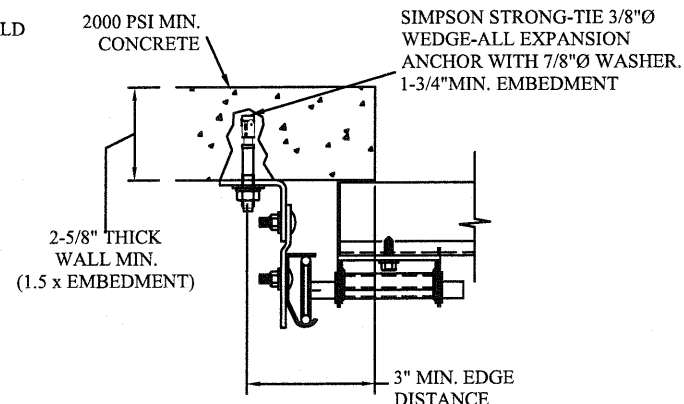
12 GA. OR 3/16" STEEL
(SEE BELOW)

The diagram illustrates a cross-section of a steel beam-to-concrete wall connection. A horizontal steel beam is shown with a 12 GA. OR 3/16" steel plate attached to its bottom flange. This plate is secured by ITW Buildex 1/4"-14 X 3/4" self-tapping screws (TEKS) which are driven into the concrete wall. The concrete wall is shown with a hatched pattern. Below the beam, a vertical steel plate is also shown, secured by similar screws. The entire assembly is supported by a base plate and bolts.

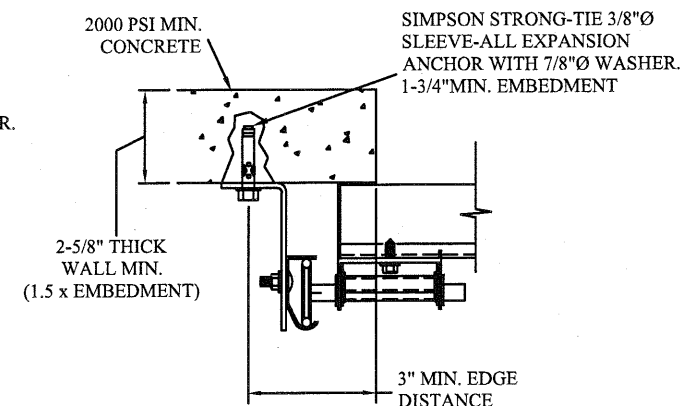
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



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



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

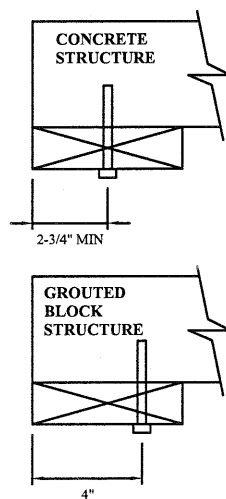


2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

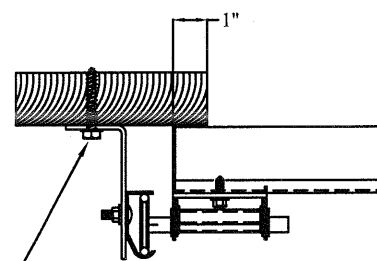
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+122.5 LBS/FT AND -142.8 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
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

The top drawing shows a cross-section of a **WOOD STRUCTURE**. It features a central vertical jamb with a width dimension of **1/2" MIN**. The structure is embedded into a wall, with the **EMBEDMENT** depth indicated by a vertical dimension line on the left. A diagonal brace is shown within the structure. A label **2X6 JAMB TYP.** points to the jamb.

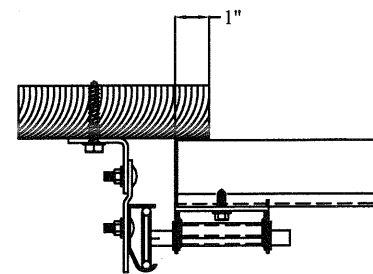
The bottom drawing shows a cross-section of a **HOLLOW BLOCK STRUCTURE**. It features two vertical jambs, each with a width dimension of **1-1/2" MIN**. The distance between the centers of the two jambs is dimensioned as **3" MIN**. A diagonal brace is shown within the structure.



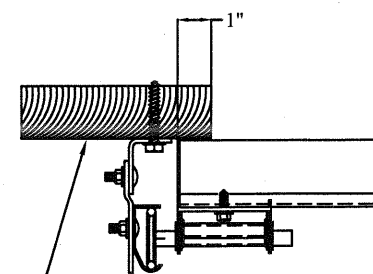
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



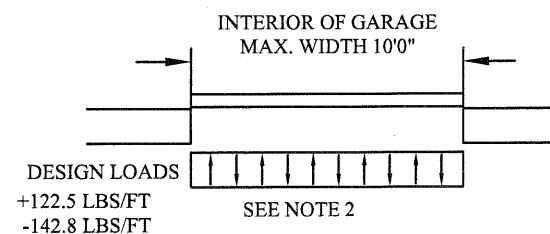
5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)



CONTINUOUS ANGLE MOUNT



REVERSE ANGLE MOUNT



REV	DESCRIPTION OF REVISIONS	DATE	BY

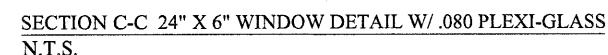
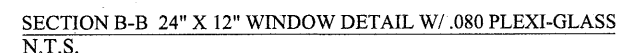
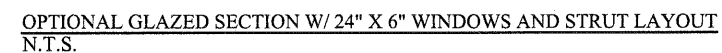
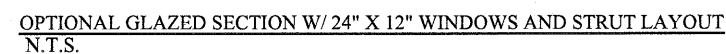
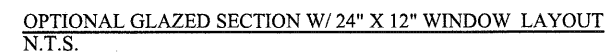
MAX SIZE 10'2" x 24' DESIGN LOADS +24.1 PSF -28.1 PSF TEST LOADS +36.2 PSF -42.2 PSF	Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc.
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MODEL 2000 AMARR 2002, 2012, 2020			
SIZE B	DRAWN BY DRD	DATE 9/12/18	DRAWING NUMBER IBC-2010-130-11
	CHECKED BY DLJ	DATE 12/19/18	

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SHEET 2 OF 4



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 10'2" x 24' DESIGN LOADS +24.1 PSF -28.1 PSF TEST LOADS +36.2 PSF -42.2 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL FL
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dba Structural Solutions of North Carolina, Inc.
5921 G.W. Fritchey Ave., Greensboro, NC 27410

MODEL 2000 AMARR 2002, 2012, 2022			
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SIZE B	DRAWN BY	DRD	DATE	9/12/18	DRAWING NUMBER IBC-2010-130-11
	CHECKED BY	DLJ	DATE	12/19/18	

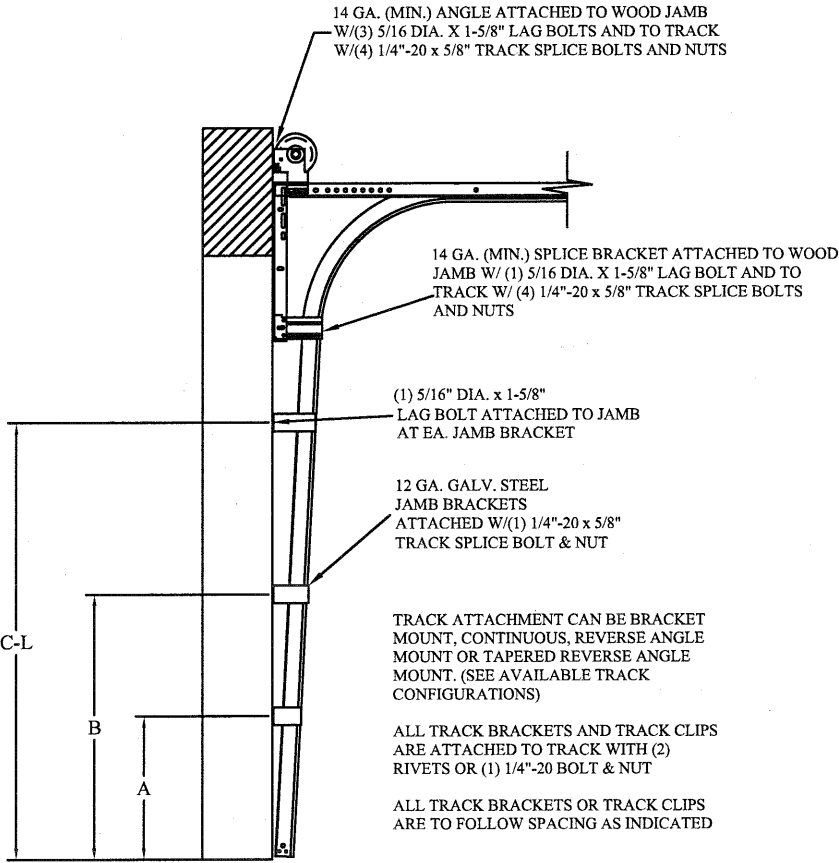
ENTREMATIC

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

SHEET 3 OF 4

TABLE 1

Section Width (ft)		Center Stile Locations		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	27.1	31.6
6'	2"	37"	-	26.3	30.7
6'	4"	38"	-	25.6	29.9
6'	6"	39"	-	25.0	29.1
6'	8"	40"	-	24.4	28.4
6'	10"	41"	-	23.8	27.7
7'	0"	42"	-	23.2	27.0
7'	2"	43"	-	22.6	26.4
7'	4"	44"	-	22.1	25.8
7'	6"	45"	-	21.6	25.2
7'	8"	46"	-	21.2	24.7
7'	10"	47"	-	20.7	24.2
8'	0"	48"	-	20.3	23.7
8'	2"	49"	-	19.9	23.2
8'	4"	50"	-	19.5	22.7
8'	6"	51"	-	19.1	22.3
8'	8"	52"	-	18.7	21.8
8'	10"	53"	-	18.4	21.4
9'	0"	54"	-	18.0	21.0
9'	2"	55"	-	17.7	20.6
9'	4"	36"	76"	25.5	29.7
9'	6"	37"	77"	25.2	29.4
9'	8"	38"	78"	24.9	29.0
9'	10"	39"	79"	24.5	28.6
10'	0"	40"	80"	24.2	28.3
10'	2"	41"	81"	24.1	28.1

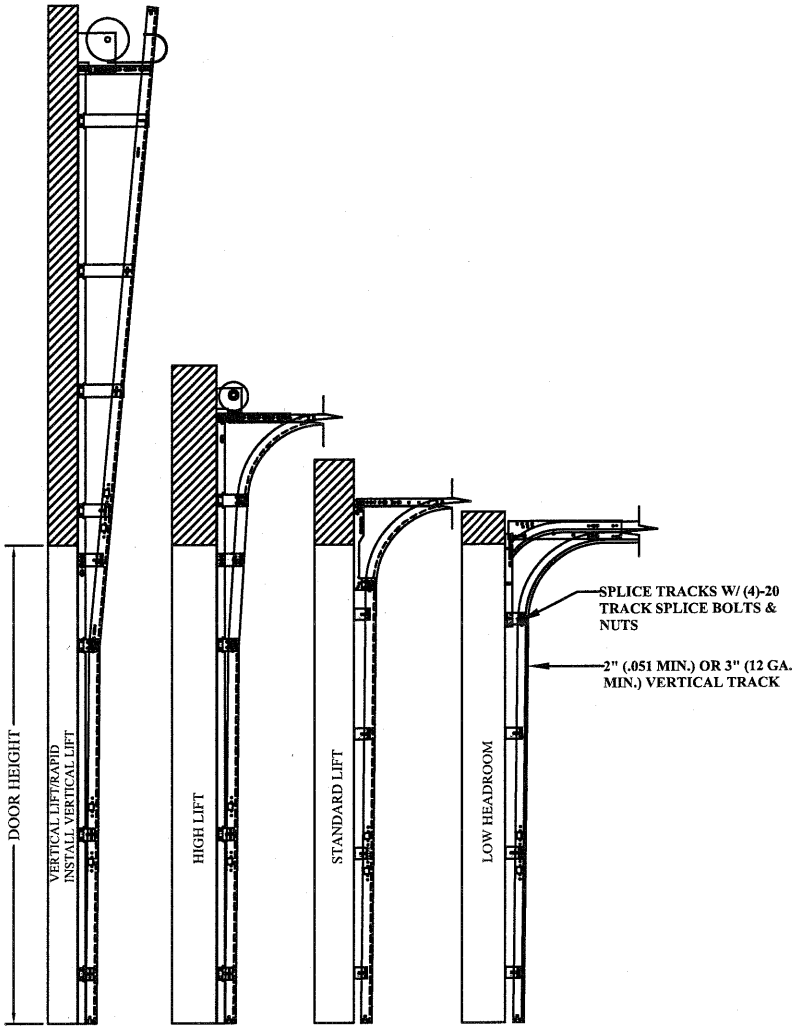


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

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.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
10'2" x 24'

DESIGN LOADS
+24.1 PSF
-28.1 PSF

TEST LOADS
+36.2 PSF
-42.2 PSF

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

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MODEL 2000 AMARR 2002, 2012, 2022

SIZE B	DRAWN BY DLJ	DRD DLJ	DATE 9/12/18	DATE 12/19/18	DRAWING NUMBER IBC-2010-130-11
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 4 OF 4