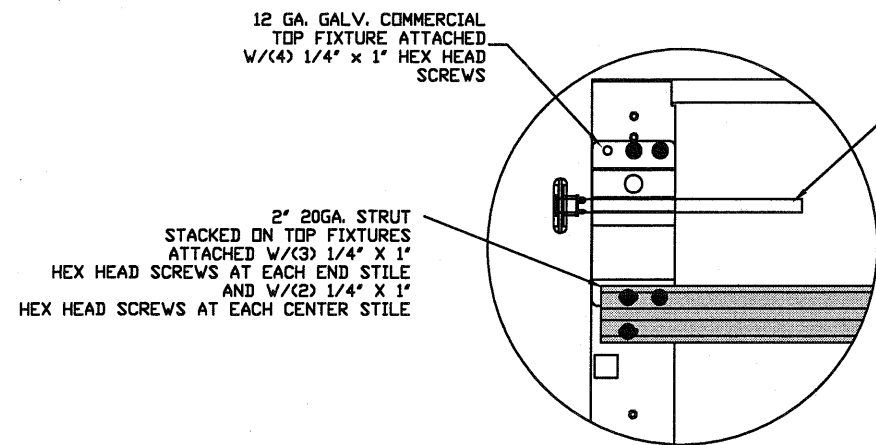
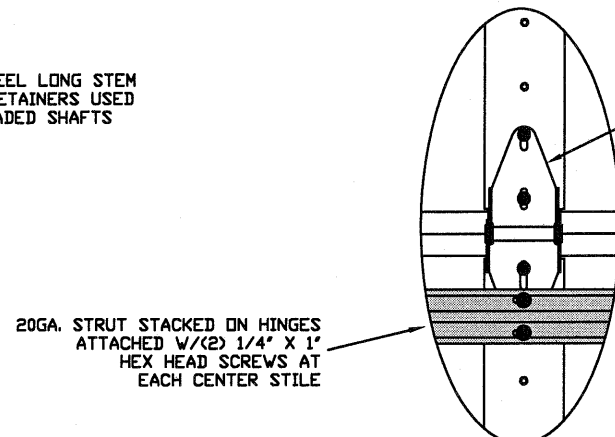
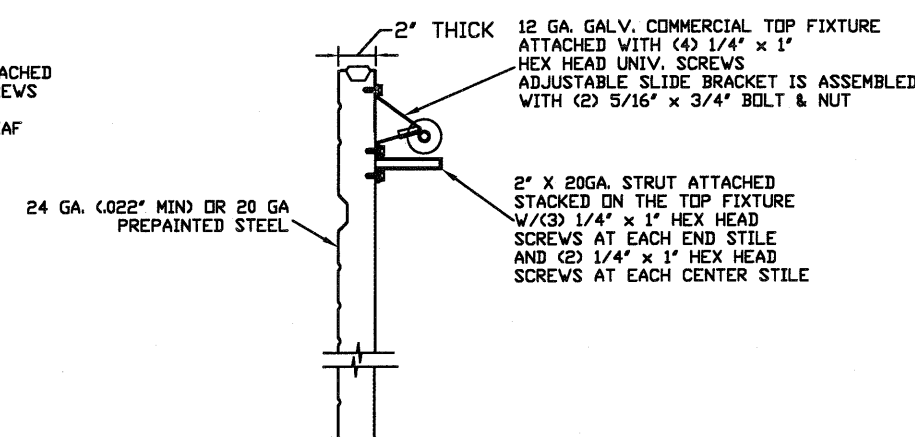




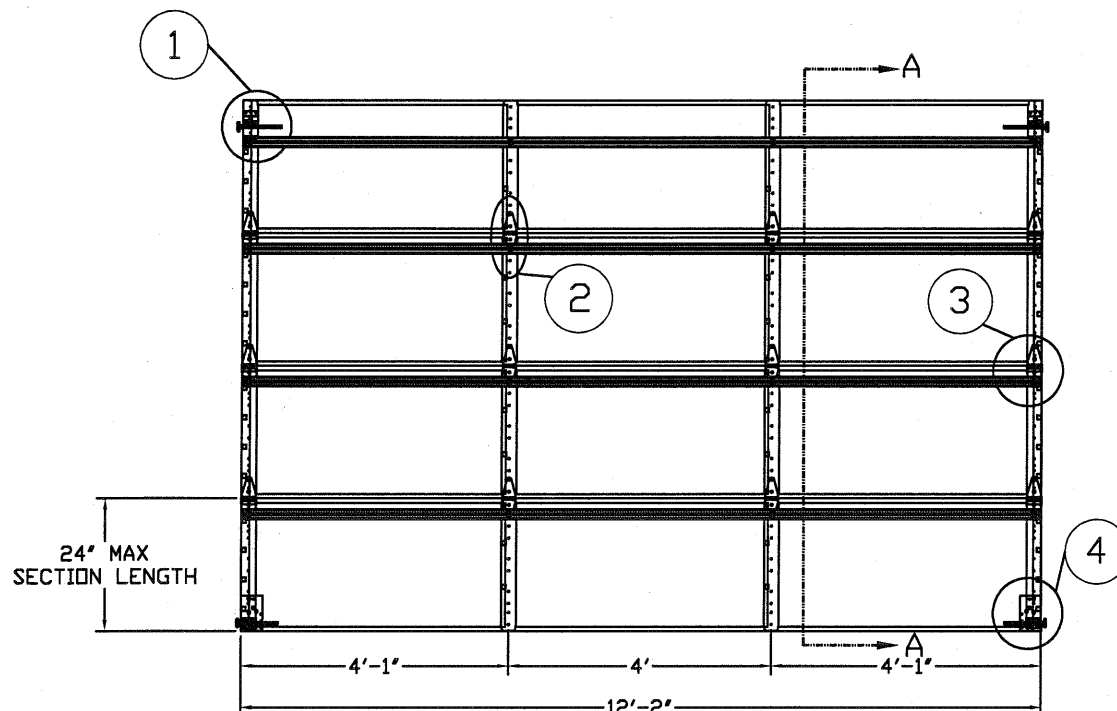
TYPICAL TOP FIXTURES
N.T.S.



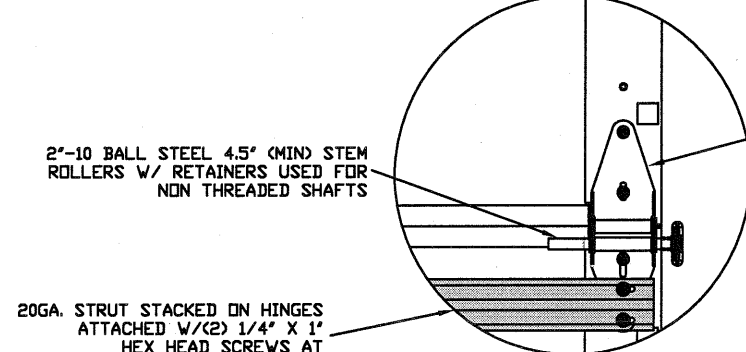
TYPICAL CENTER HINGE
N.T.S.



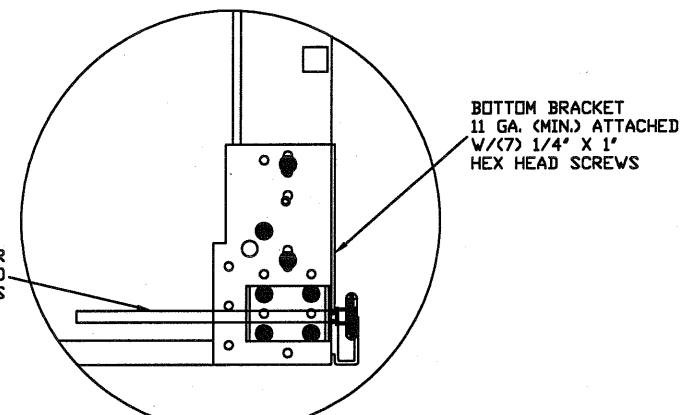
SECTION A-A (SIDE VIEW)
N.T.S.



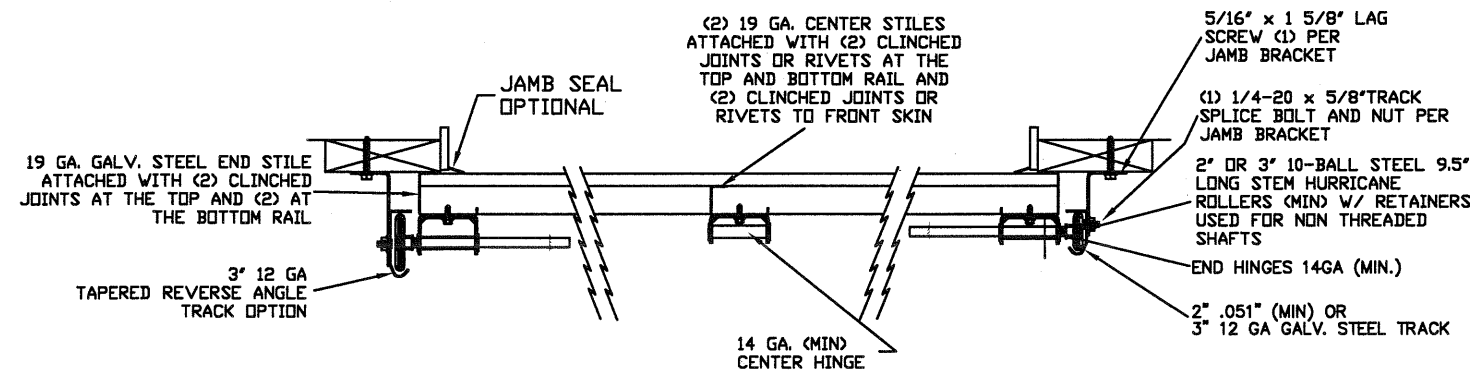
INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE
N.T.S.



TYPICAL BOTTOM BRACKET
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

EDGE OF DOOR 1" OVERLAP ON EACH SIDE

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)	135	122	116	111	106
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
+15.3 PSF
-17.6 PSF

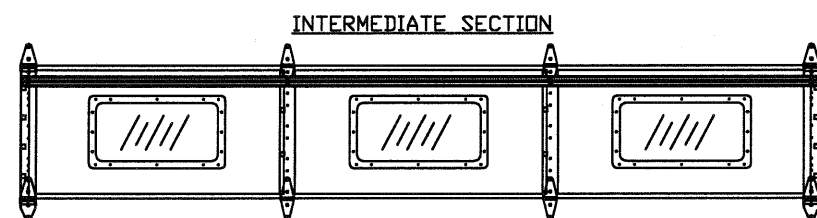
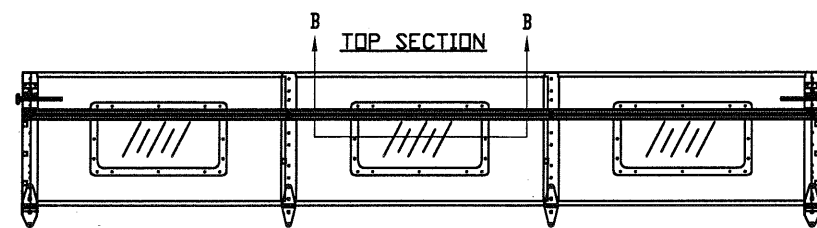
TEST LOADS
+22.9 PSF
-26.4 PSF

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

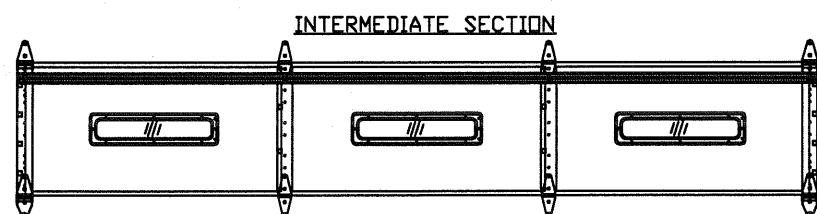
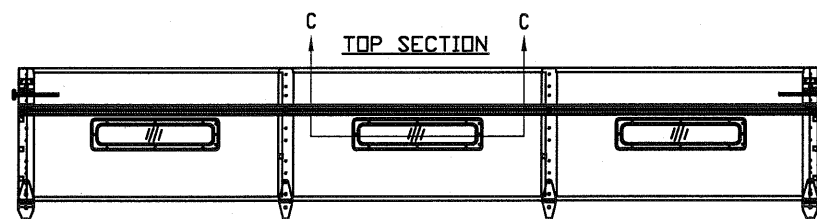
FL

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

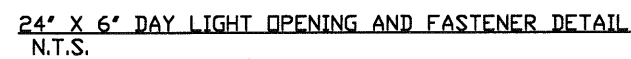
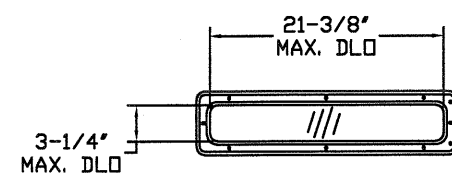
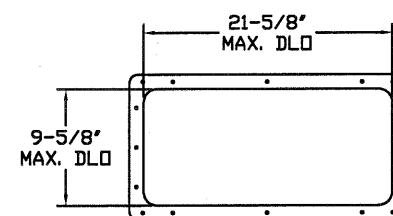
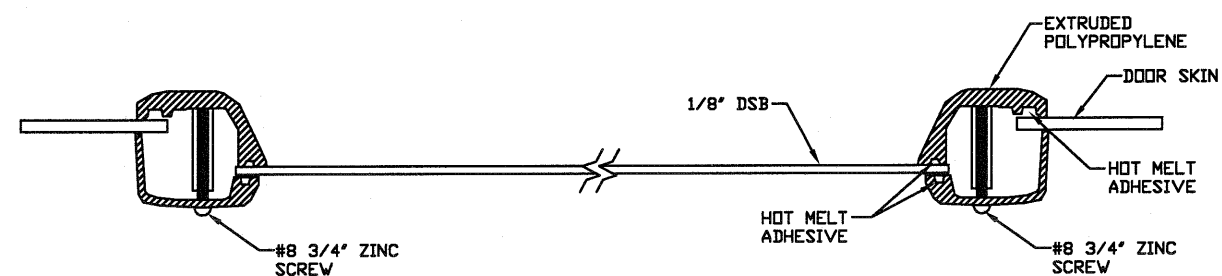
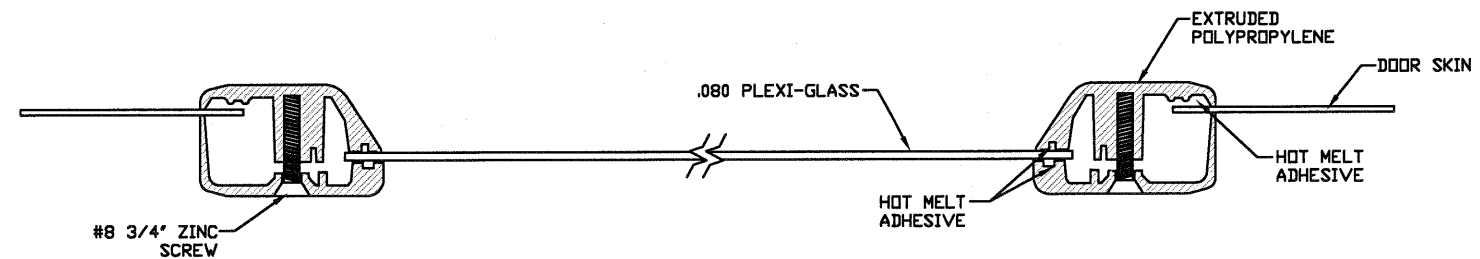
MODEL 2400 AMARR 2402, 2412, 2422			
MODEL 2000 AMARR 2002, 2012, 2022			
SIZE	DRAWN BY	RWS	DATE 08/27/14
B	CHECKED BY	RLR	DATE 08/27/14
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2412-104-15
SHEET 1 OF 4			

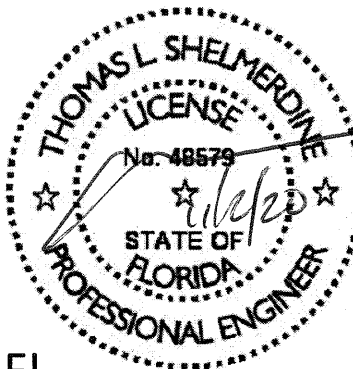


OPTIONAL GLAZED SECTION W/ 24' X 12' WINDOWS AND STRUT LAYOUT
N.T.S.

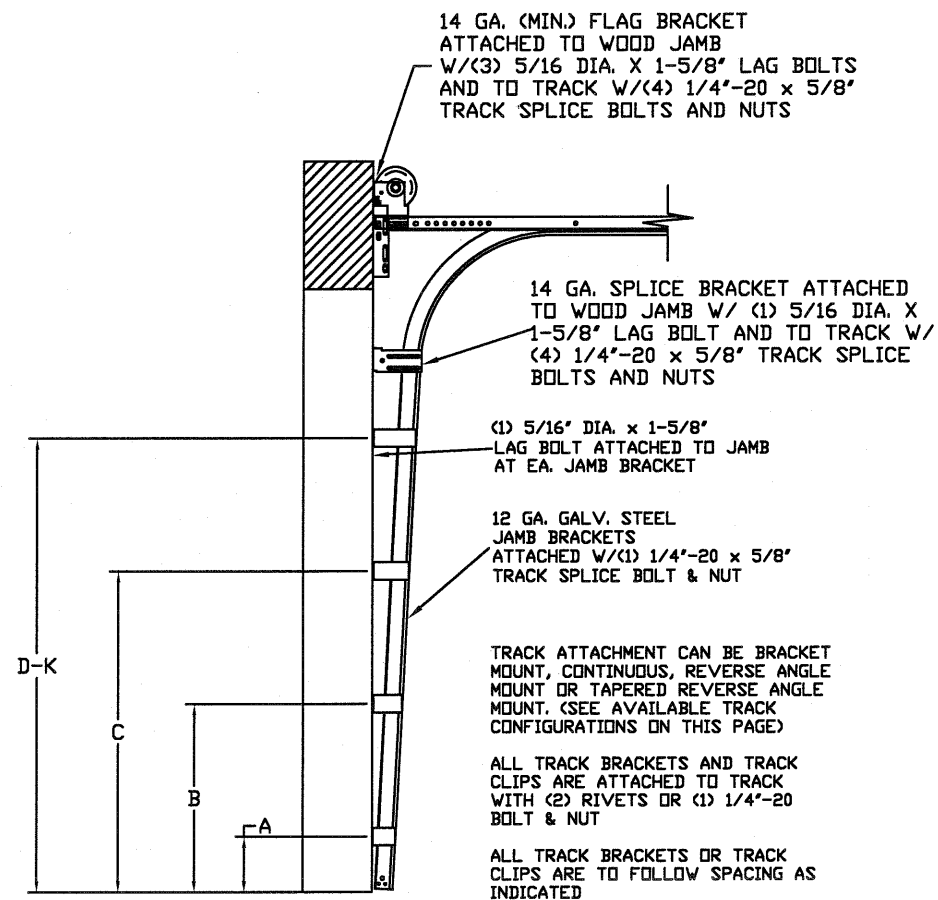


OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.

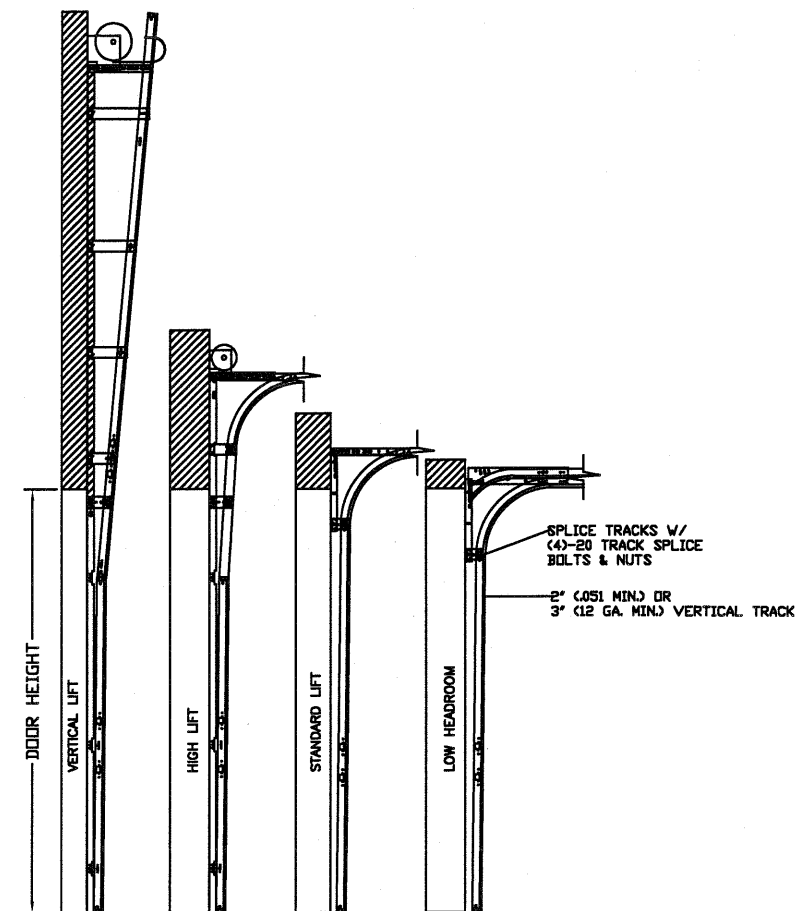


REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12'2" x 24' DESIGN LOADS +15.3 PSF -17.6 PSF TEST LOADS +22.9 PSF -26.4 PSF		Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5903 C.W. Ellis Rd. Charlotte, NC 28217	
			
MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022			
SIZE B	DRAWN BY RWS	DATE 08/27/14	DRAWING NUMBER IBC-2412-104-15
	CHECKED BY RLR	DATE 08/27/14	
ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4

Section Width (ft)		Center Stile Locations		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	20.6	23.7
6'	2"	37"	-	20.0	23.0
6'	4"	38"	-	19.5	22.4
6'	6"	39"	-	19.0	21.8
6'	8"	40"	-	18.5	21.3
6'	10"	41"	-	18.0	20.8
7'	0"	42"	-	17.6	20.3
7'	2"	43"	-	17.2	19.8
7'	4"	44"	-	16.8	19.4
7'	6"	45"	-	16.4	18.9
7'	8"	46"	-	16.1	18.5
7'	10"	47"	-	15.7	18.1
8'	0"	48"	-	15.4	17.7
8'	2"	49"	-	15.1	17.4
8'	4"	50"	-	14.8	17.0
8'	6"	51"	-	14.5	16.7
8'	8"	52"	-	14.2	16.4
8'	10"	53"	-	14.0	16.1
9'	0"	54"	-	13.7	15.8
9'	2"	37"	73"	20.3	23.3
9'	4"	36"	76"	19.4	22.3
9'	6"	37"	77"	19.1	22.0
9'	8"	38"	78"	18.9	21.7
9'	10"	39"	79"	18.6	21.5
10'	0"	40"	80"	18.4	21.2
10'	2"	41"	81"	18.2	20.9
10'	4"	42"	82"	17.9	20.6
10'	6"	43"	83"	17.6	20.2
10'	8"	44"	84"	17.3	19.9
10'	10"	45"	85"	17.0	19.6
11'	0"	46"	86"	16.8	19.3
11'	2"	47"	87"	16.5	19.0
11'	4"	48"	88"	16.3	18.7
11'	6"	49"	89"	16.1	18.5
11'	8"	50"	90"	15.8	18.2
11'	10"	51"	91"	15.6	18.0
12'	0"	48"	96"	15.3	17.6
12'	2"	49"	97"	15.3	17.6

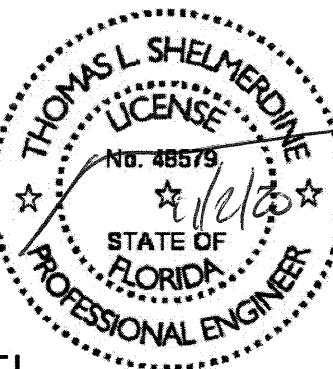


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

DOOR HEIGHT		TRACK ATTACHMENT											TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	
7'	0"	10.0"	34"	58"									76"
7'	6"	10.0"	34"	58"									82"
8'	0"	10.0"	34"	58"									88"
9'	0"	10.0"	34"	58"	82"								100"
9'	6"	10.0"	34"	58"	82"								106"
10'	0"	10.0"	34"	58"	82"								112"
11'	0"	10.0"	34"	58"	82"	106"							124"
12'	0"	10.0"	34"	58"	82"	106"							136"
13'	0"	10.0"	34"	58"	82"	106"	130"						148"
14'	0"	10.0"	34"	58"	82"	106"	130"						160"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"					172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"				196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

REV	DESCRIPTION OF REVISIONS	DATE	BY
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MODEL 2400 AMARR 2402, 2412, 2422 MODEL 2000 AMARR 2002, 2012, 2022			
SIZE B	DRAWN BY	RWS	DATE 08/27/14
	CHECKED BY	RLR	DATE 08/27/14
ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			DRAWING NUMBER IBC-2412-104-15 SHEET 4 OF 4