

TYPICAL TOP FIXTURES
N.T.S.

1

ADJUSTABLE ROLLER CARRIER
ATTACHED W/ (2) 5/16\"/>

2\"/>

TYPICAL CENTER HINGE
N.T.S.

2

14GA. MIN. CENTER
HINGE ATTACHED
W/ (5) 1/4\"/>

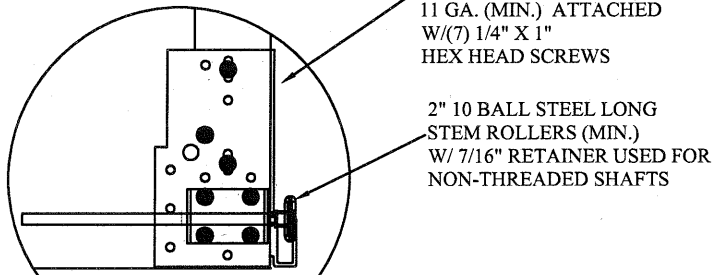
2\"/>

TYPICAL END HINGE
N.T.S.

3

14GA. MIN. END HINGE
ATTACHED W/ (5) 1/4\"/>

2\"/>



TYPICAL BOTTOM BRACKET
N.T.S.

4

BOTTOM BRACKET
11 GA. (MIN.) ATTACHED
W/ (7) 1/4\"/>

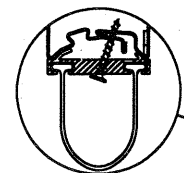
2\"/>

WEATHERTIGHT JOINT-
WEAR SEAL

THERMAL BREAK

27 GAUGE INTERIOR SKIN
24 GAUGE EXTERIOR SKIN

3-1/2\"/>



BOTTOM BRACKET
11 GA. (MIN.) ATTACHED
W/ (7) 1/4\"/>

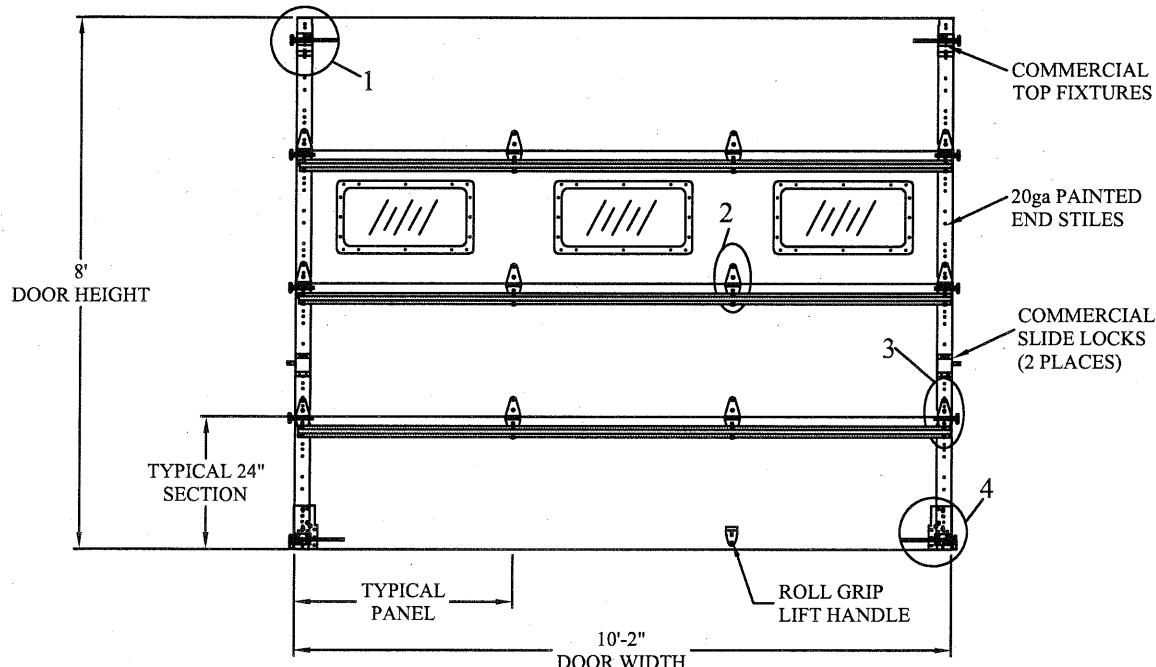
SECTION A-A (SIDE VIEW)
N.T.S.

12GA. (MIN.) TOP FIXTURE
ATTACHED W/ (4) 1/4\"/>

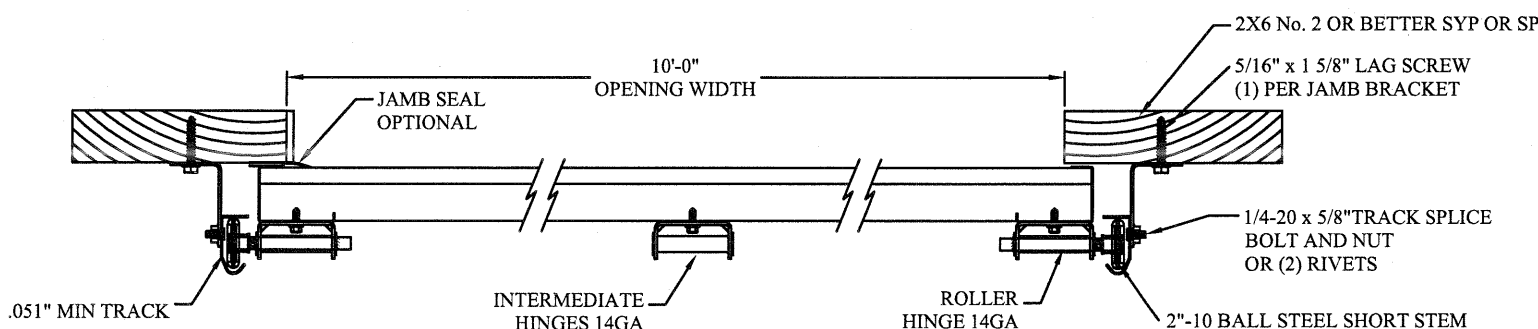
POLYSTYRENE INSULATION

14 GA. (MIN.) END HINGE
ROLLER CARRIERS ATTACHED
W/ (5) 1/4\"/>

(1) 2\"/>



DOOR INTERIOR ELEVATION
N.T.S.



2\"/>

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
-28.0 PSF

TEST LOADS
+36.2 PSF
-42.0 PSF

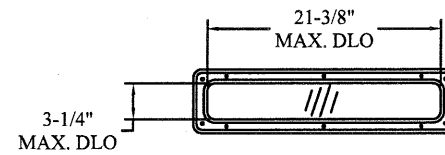
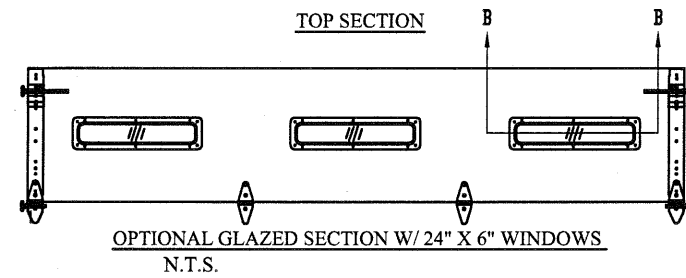
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

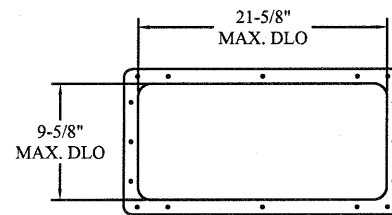
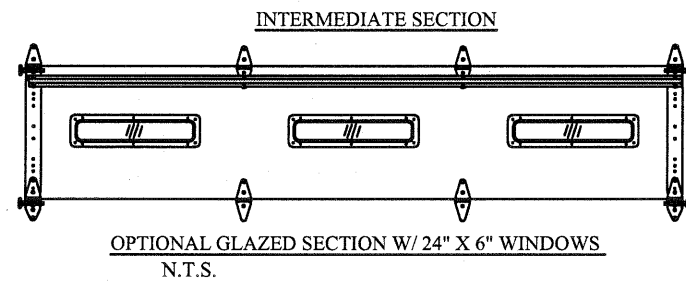
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL 1000 AMARR 2432

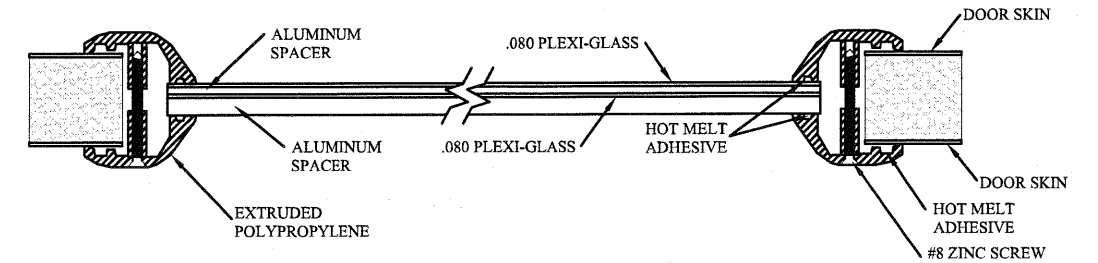
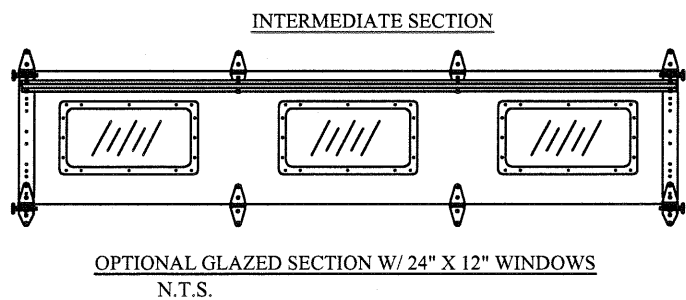
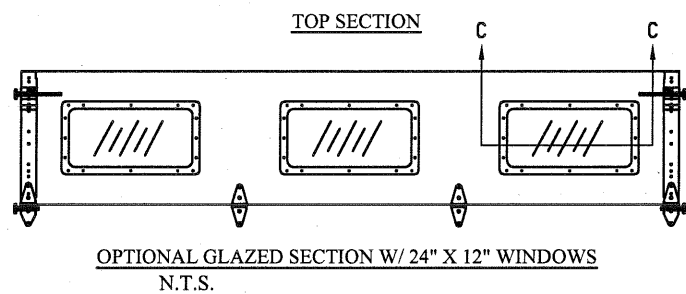
SIZE B	DRAWN BY RLR	DATE 12/6/16	DRAWING NUMBER IBC-1010-130-11
	CHECKED BY RLR	DATE 12/6/16	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103			SHEET 1 OF 4



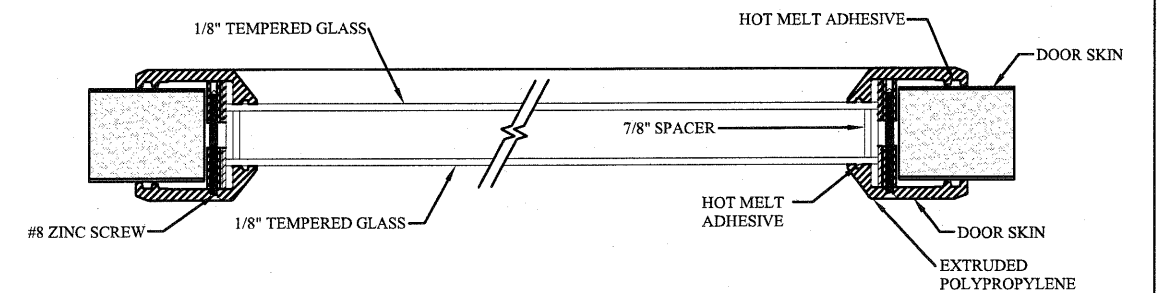
24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



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

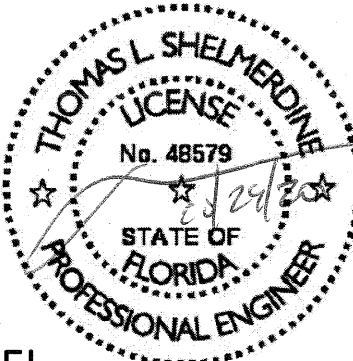


SECTION B-B 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



SECTION C-C 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 10'2 x 24' DESIGN LOADS +24.1 PSF -28.0 PSF TEST LOADS +36.2 PSF -42.0 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
--	--	---

Amarr

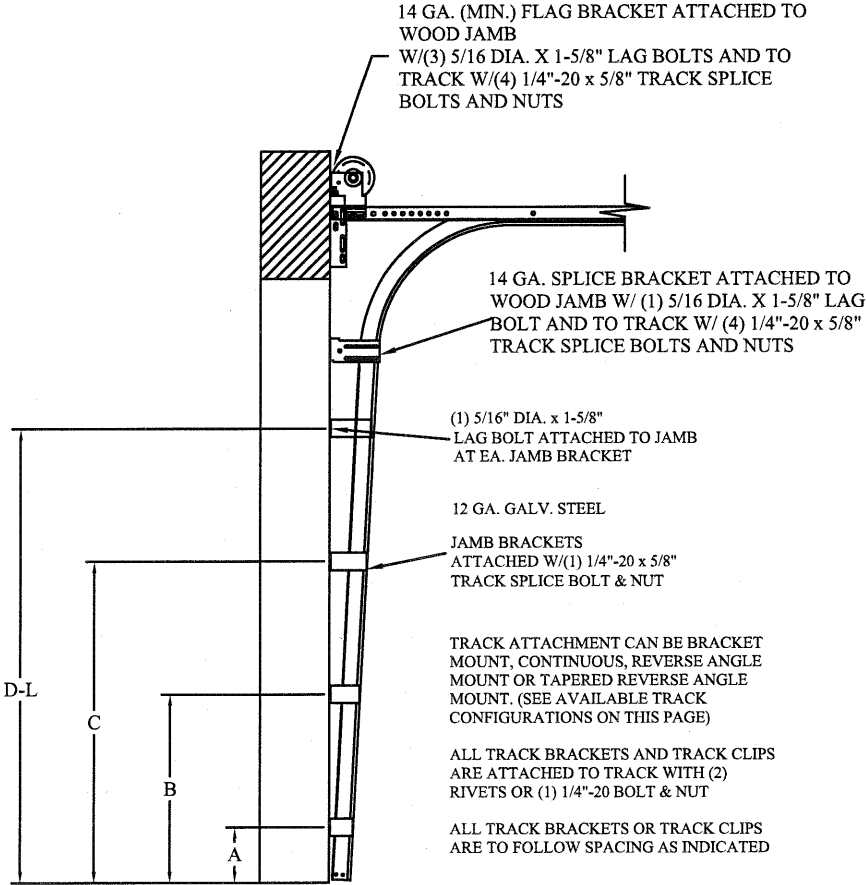
MODEL 1000 AMARR 2432			
-----------------------	--	--	--

SIZE B	DRAWN BY RLR	DATE 12/6/16	DRAWING NUMBER IBC-1010-130-11
	CHECKED BY RLR	DATE 12/6/16	

ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, NC 27103		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	31.5
6' 2"	37"	-	26.3	30.6
6' 4"	38"	-	25.6	29.8
6' 6"	39"	-	25.0	29.0
6' 8"	40"	-	24.4	28.3
6' 10"	41"	-	23.8	27.6
7' 0"	42"	-	23.2	27.0
7' 2"	43"	-	22.6	26.3
7' 4"	44"	-	22.1	25.7
7' 6"	45"	-	21.6	25.2
7' 8"	46"	-	21.2	24.6
7' 10"	47"	-	20.7	24.1
8' 0"	48"	-	20.3	23.6
8' 2"	49"	-	19.9	23.1
8' 4"	50"	-	19.5	22.6
8' 6"	51"	-	19.1	22.2
8' 8"	52"	-	18.7	21.8
8' 10"	53"	-	18.4	21.3
9' 0"	54"	-	18.0	21.0
9' 2"	55"	-	17.7	20.6
9' 4"	36"	76"	25.5	29.6
9' 6"	37"	77"	25.2	29.3
9' 8"	38"	78"	24.9	28.9
9' 10"	39"	79"	24.5	28.5
10' 0"	40"	80"	24.2	28.2
10' 2"	41"	81"	24.1	28.0

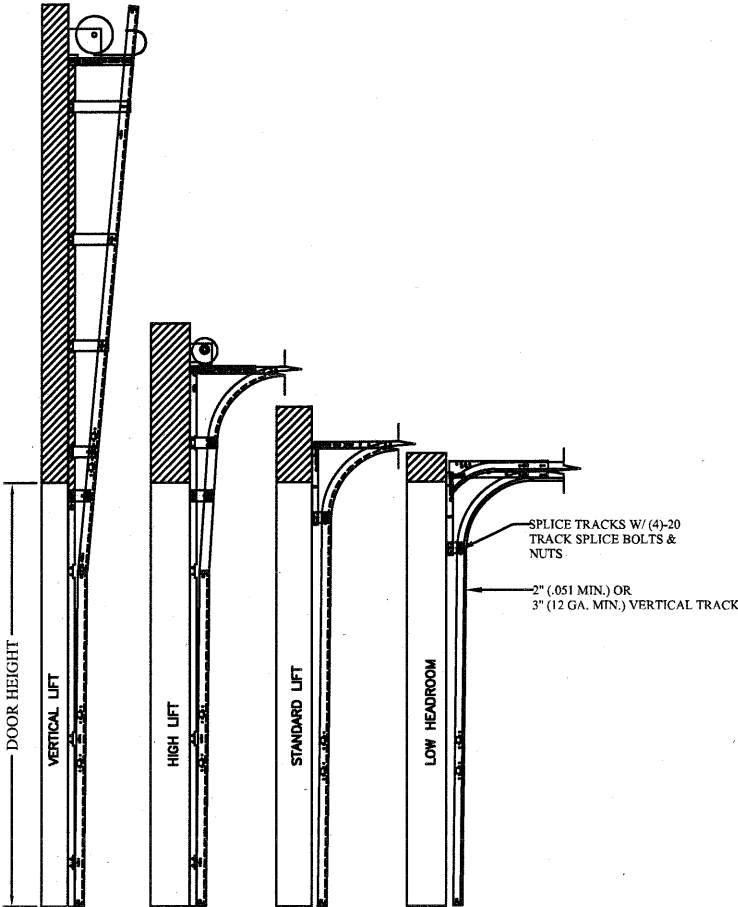


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT												TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	
7' 0"	10.0"	34"	58"										76"
7' 6"	10.0"	34"	58"										82"
8' 0"	10.0"	34"	58"	82"									88"
8' 6"	10.0"	34"	58"	82"									94"
9' 0"	10.0"	34"	58"	82"									100"
9' 6"	10.0"	34"	58"	82"									106"
10' 0"	10.0"	34"	58"	82"	106"								112"
11' 0"	10.0"	34"	58"	82"	106"								124"
12' 0"	10.0"	34"	58"	82"	106"	130"							136"
13' 0"	10.0"	34"	58"	82"	106"	130"							148"
14' 0"	10.0"	34"	58"	82"	106"	130"	154"						160"
15' 0"	10.0"	34"	58"	82"	106"	130"	154"						172"
16' 0"	10.0"	34"	58"	82"	106"	130"	154"	178"					184"
17' 0"	10.0"	34"	58"	82"	106"	130"	154"	178"					196"
18' 0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				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"	226"			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"	250"		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"	274"	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
-28.0 PSF

TEST LOADS
+36.2 PSF
-42.0 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

Amarr

MODEL 1000 AMARR 2432

SIZE	DRAWN BY	RLR	DATE	12/6/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	12/6/16	IBC-1010-130-11

ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103

SHEET 4 OF 4