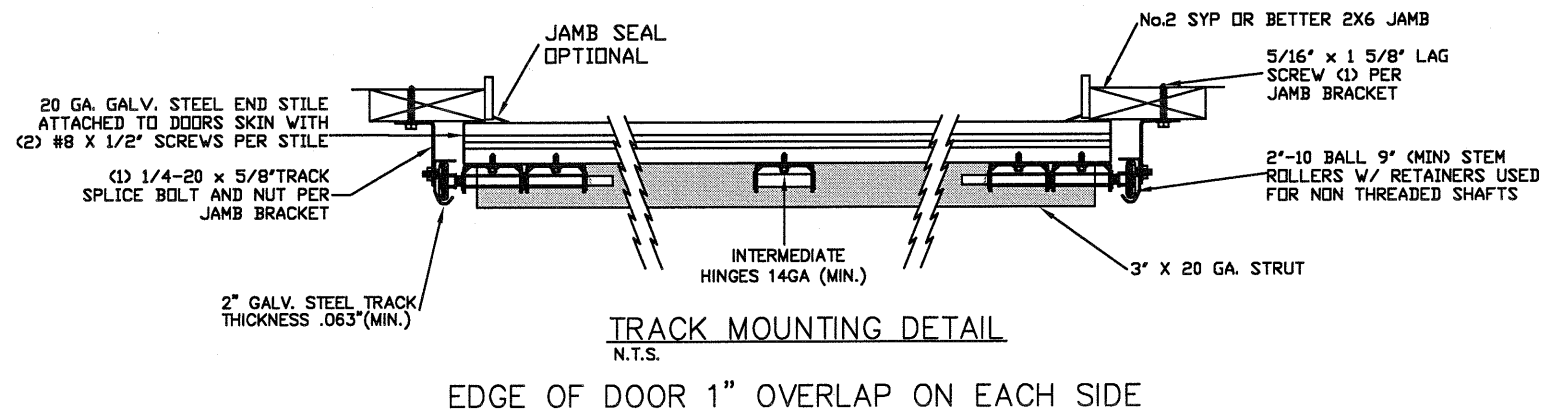
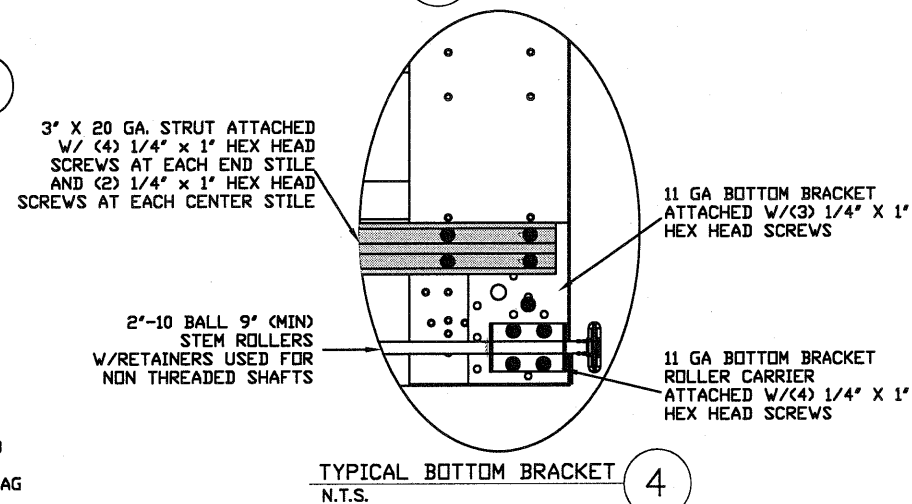
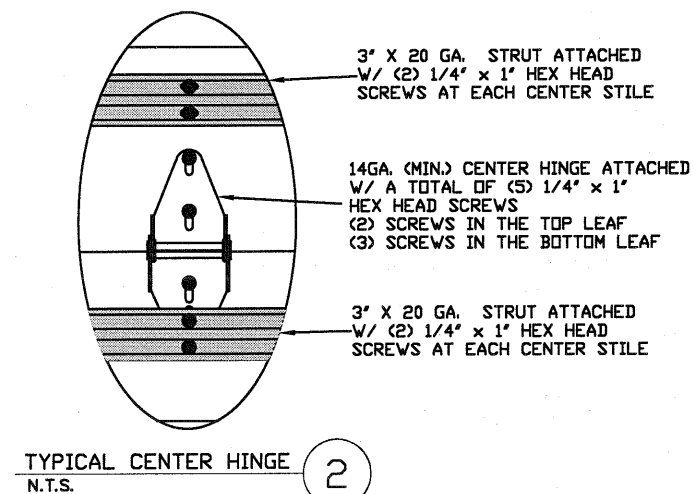
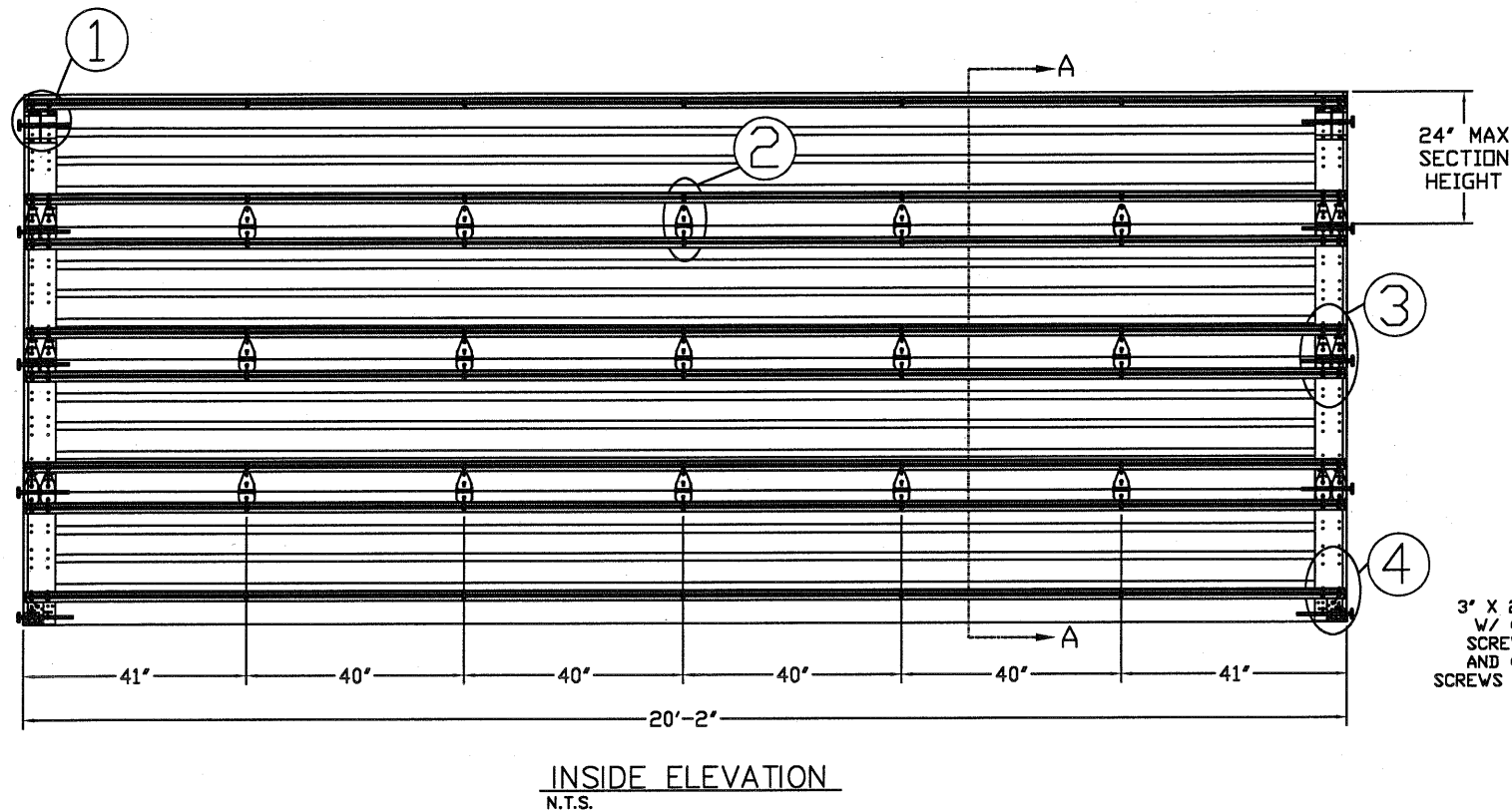
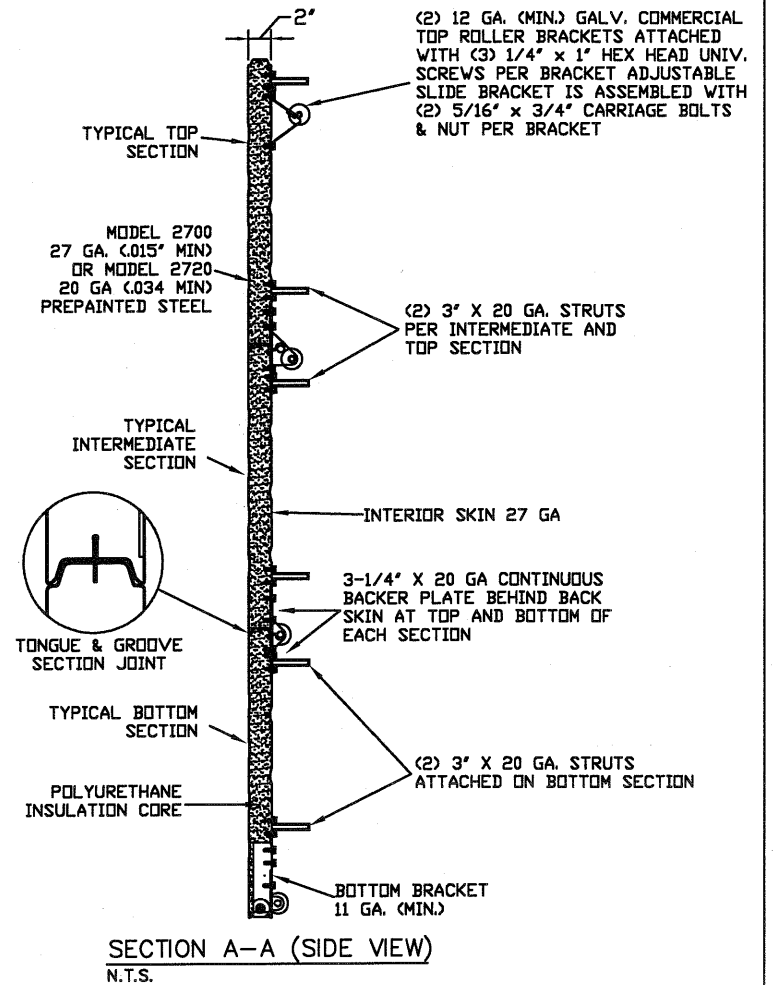
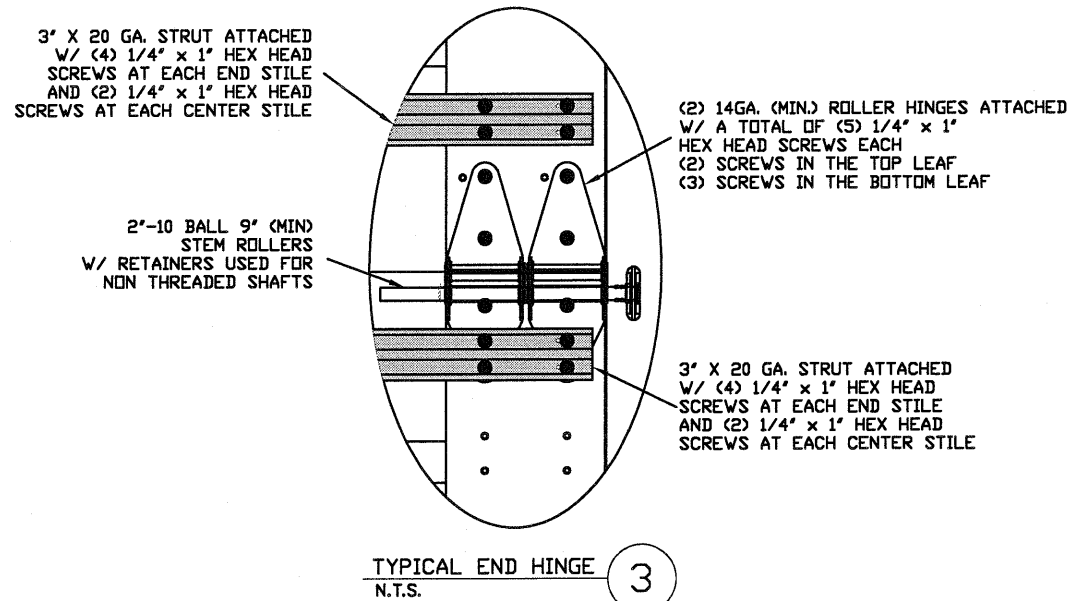
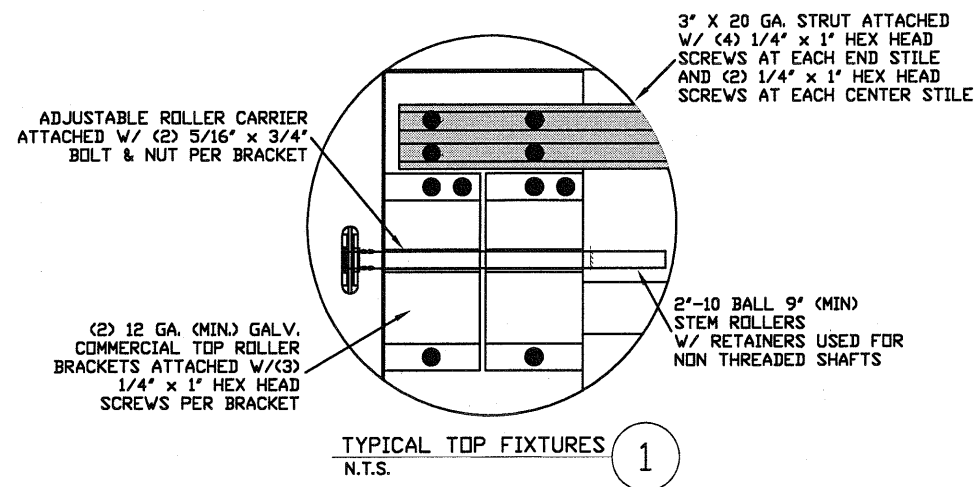




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

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
20'2 x 24'

DESIGN LOADS
+14.7 PSF
-16.5 PSF

TEST LOADS
+22.1 PSF
-24.8 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

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

MODEL 2700 AMARR 2742, 2743
MODEL 2720 AMARR 2042

SIZE B
DRAWN BY RS
CHECKED BY RLR

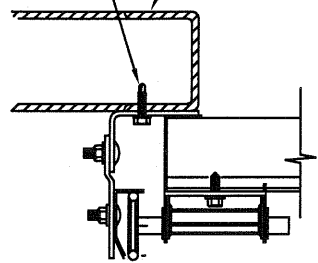
DATE 10/01/14
DATE 10/01/14

DRAWING NUMBER
IBC-2720-104-15

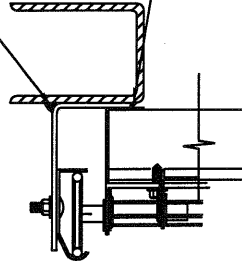
ENTREMATICS
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 4

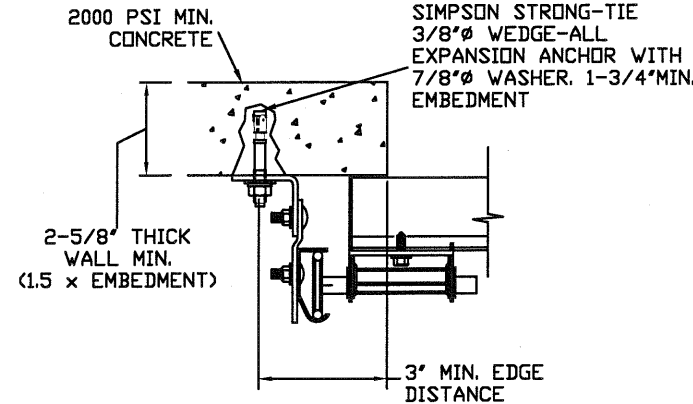
ITW BUILDDEX 1/4"-14 X 3/4" SELF-TAPPING SCREWS (TEKS) 12 GA. OR 3/16" STEEL (SEE BELOW)



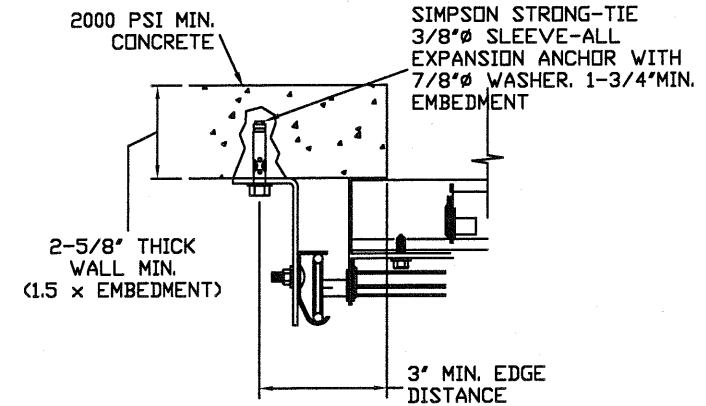
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



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

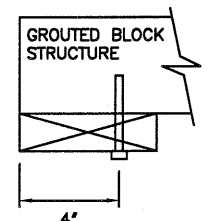
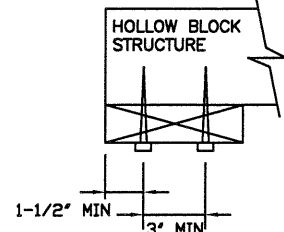
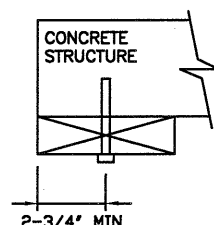
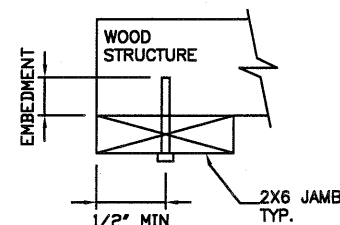


2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD -
6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

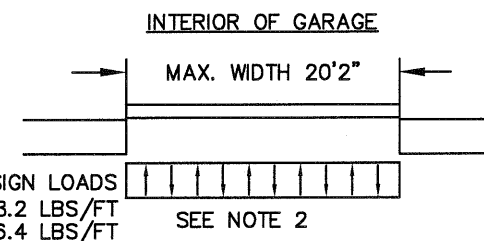


2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE
LOAD - 6" FROM ENDS AND 24" O.C.
REFER TO NOTES 1, 2, 3, 4 AND 5

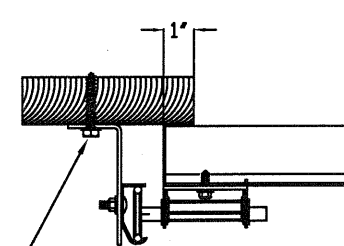
*PREPARATION OF WOOD JAMBS BY OTHERS



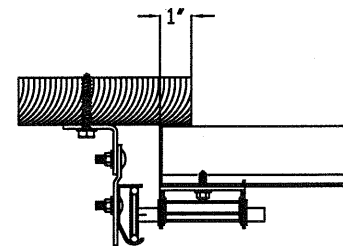
9. TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.



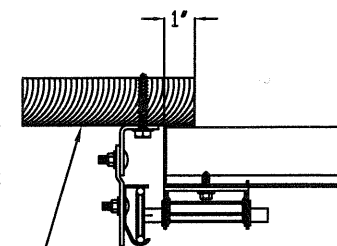
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



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



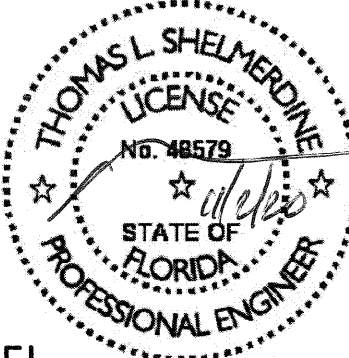
CONTINUOUS ANGLE MOUNT



REVERSE ANGLE MOUNT

BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS
INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

REV	DESCRIPTION OF REVISIONS	DATE	BY

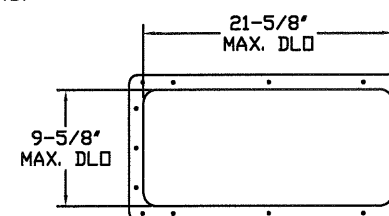
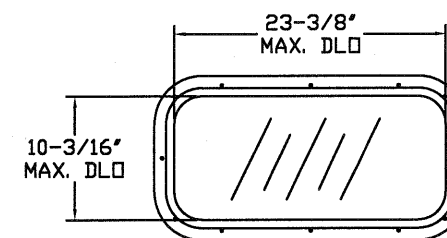
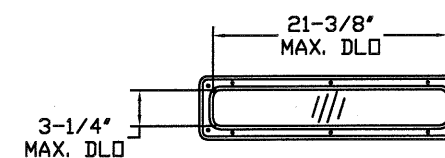
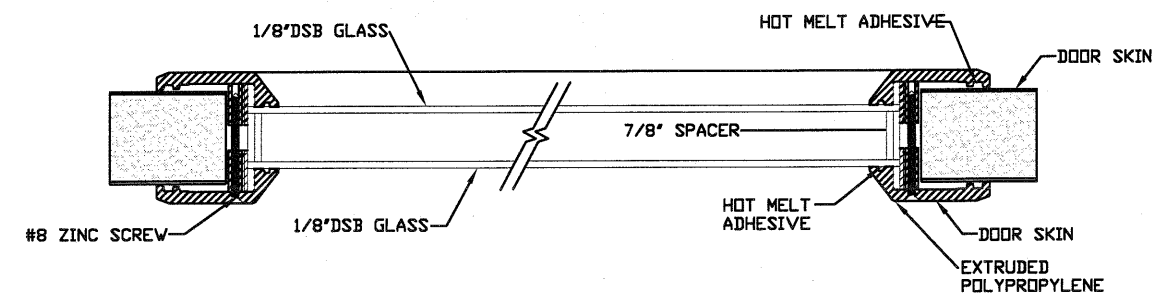
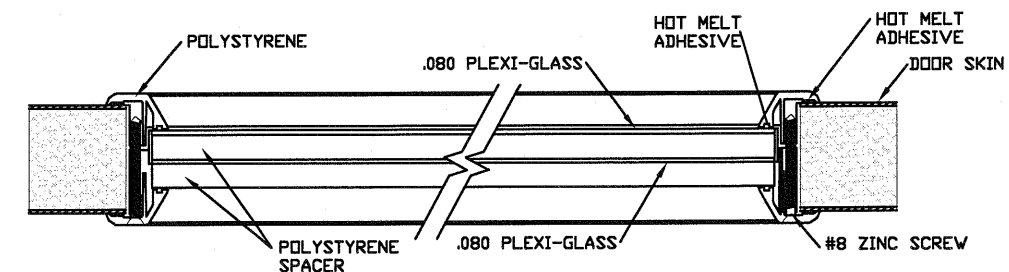
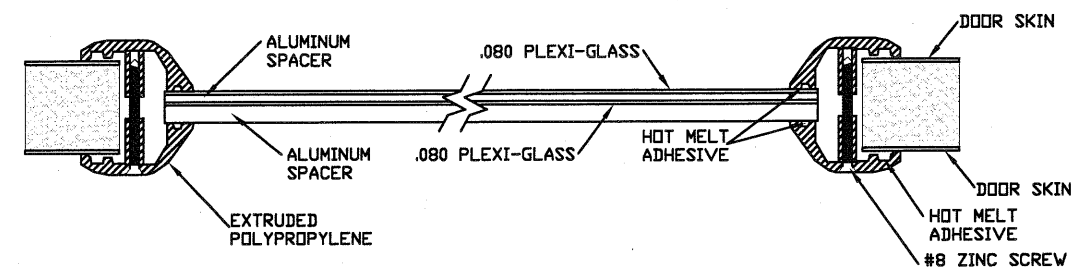
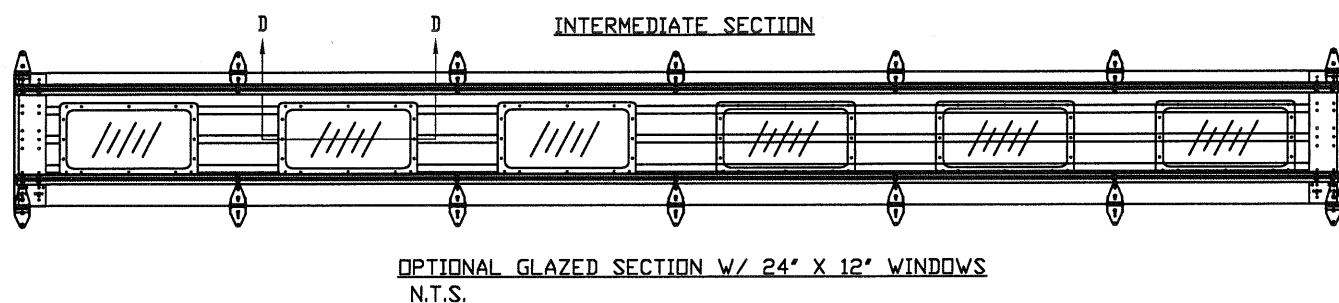
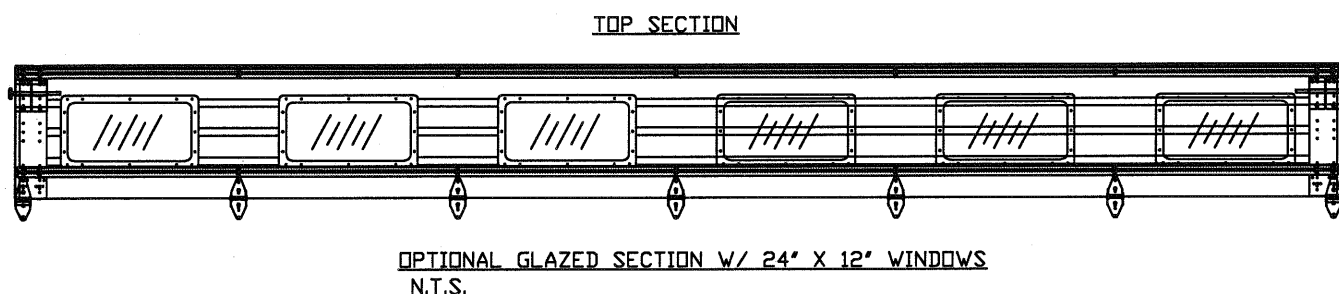
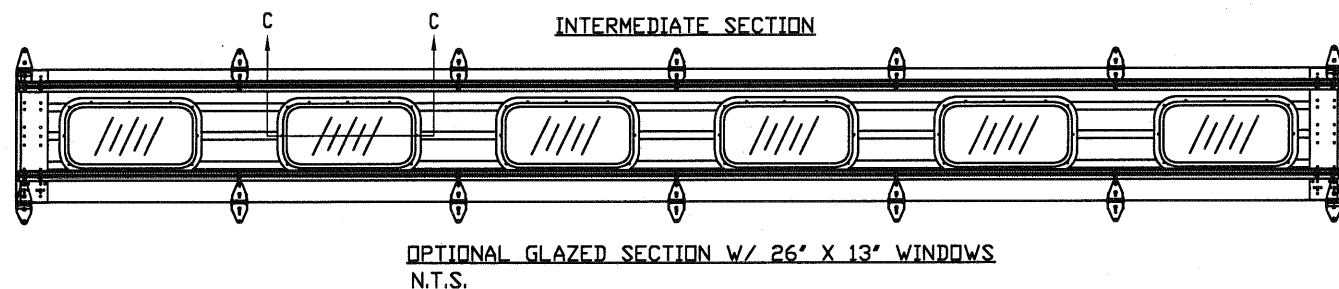
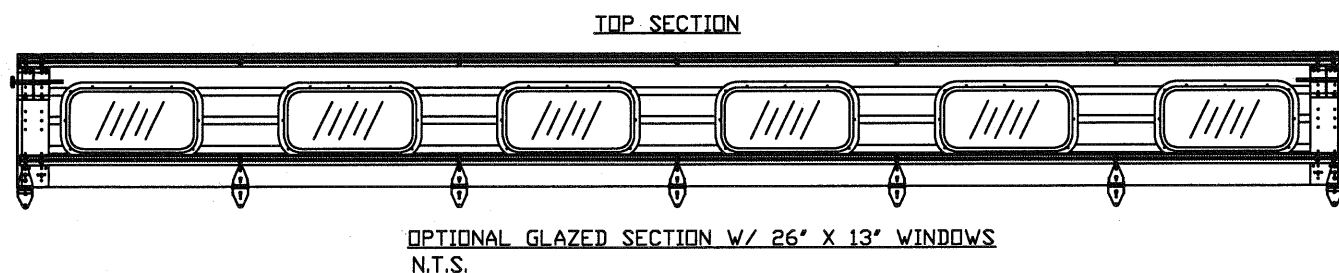
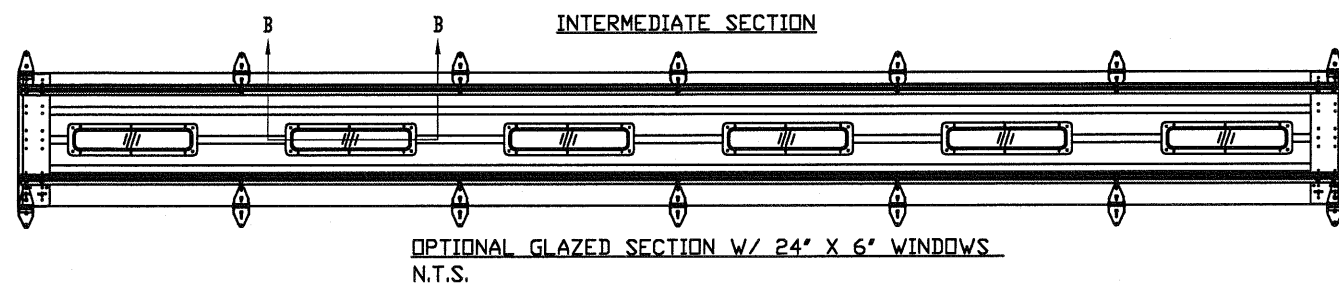
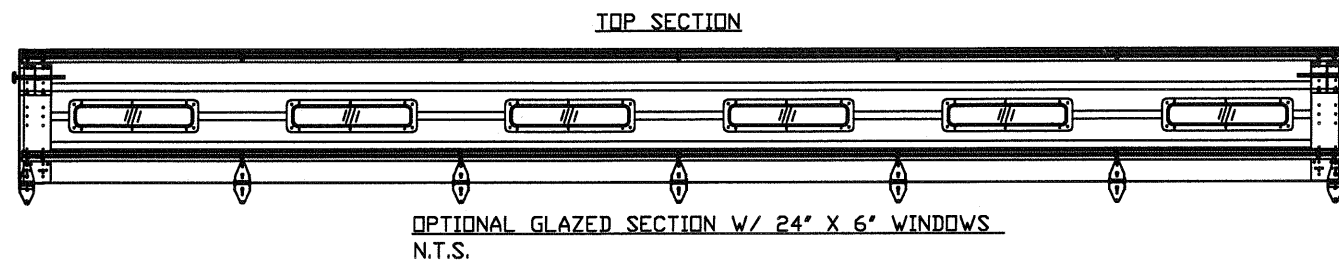
MAX SIZE 20'2 x 24' DESIGN LOADS +14.7 PSF -16.5 PSF TEST LOADS +22.1 PSF -24.8 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #294112) FL		dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
--	--	---	---



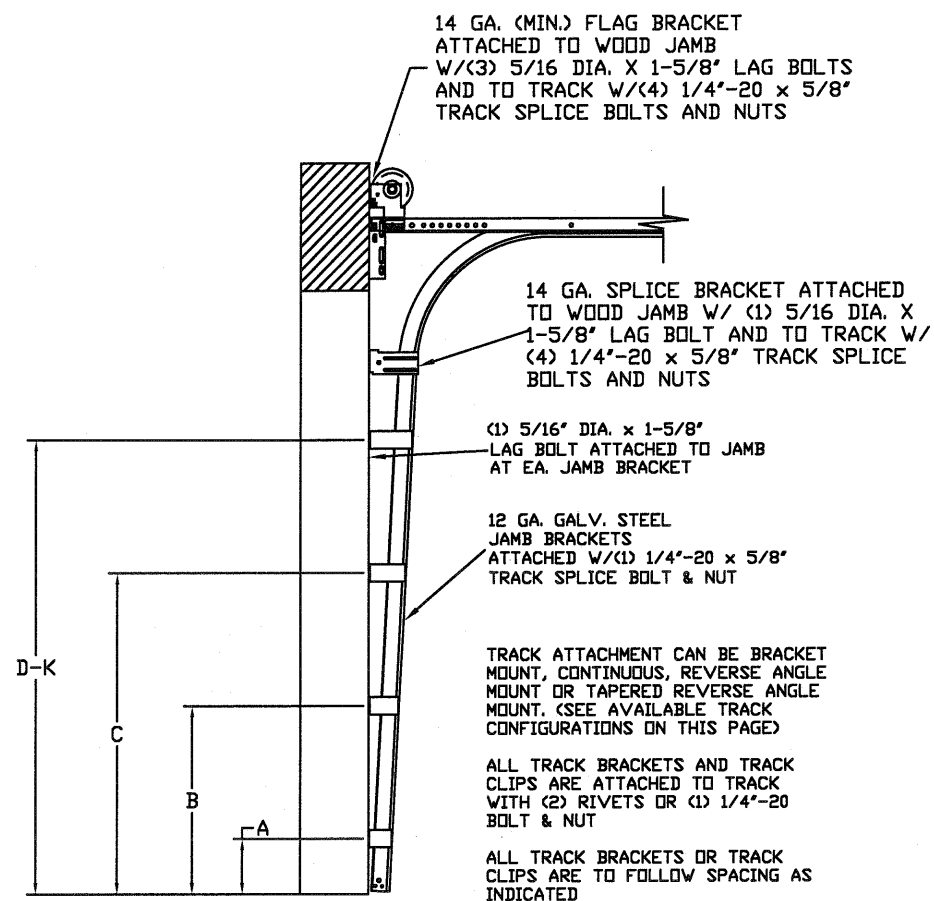
MODEL 2700 AMARR 2742, 2743			
MODEL 2720 AMARR 2042			

SIZE	DRAWN BY	RS	DATE 10/30/14	DRAWING NUMBER IBC-2720-104-15
B	CHECKED BY	RLR	DATE 10/30/14	

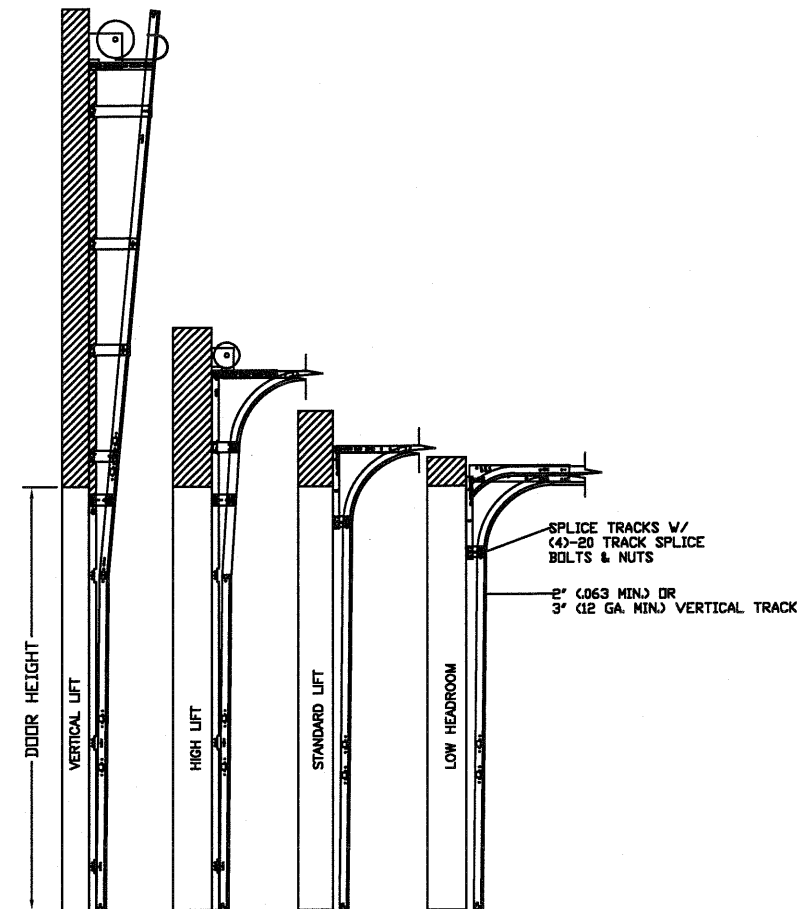
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105	SHEET 2 OF 4
--	--------------



REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 20'2 x 24' DESIGN LOADS +14.7 PSF -16.5 PSF TEST LOADS +22.1 PSF -24.8 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 dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410			
Amarr			
MODEL 2700 AMARR 2742, 2743 MODEL 2720 AMARR 2042			
SIZE	DRAWN BY RS	DATE 10/03/14	DRAWING NUMBER
B	CHECKED BY RLR	DATE 10/03/14	IBC-2720-104-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4



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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

TABLE 1

Section Width		Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
(ft)	(in)	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
19'	4	36	76	116	156	196	14.8	16.7
19'	6	37	77	117	157	197	14.8	16.7
19'	8	38	78	118	158	198	14.8	16.7
19'	10	39	79	119	159	199	14.8	16.7
20'	0	40.0	80	120	160	200	14.8	16.6
20'	2	41.0	81	121	161	201	14.7	16.5

TABLE 2

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"	268"
24'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	280"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
20'2 x 24'

DESIGN LOADS
+14.7 PSF
-16.5 PSF

TEST LOADS
+22.1 PSF
-24.8 PSF

FL

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

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

MODEL 2700 AMARR 2742, 2743
MODEL 2720 AMARR 2042

SIZE B	DRAWN BY RS	DATE 10/03/14	DRAWING NUMBER IBC-2720-104-15
CHECKED BY RLR	DATE 10/03/14	SHEET 4 OF 4	

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