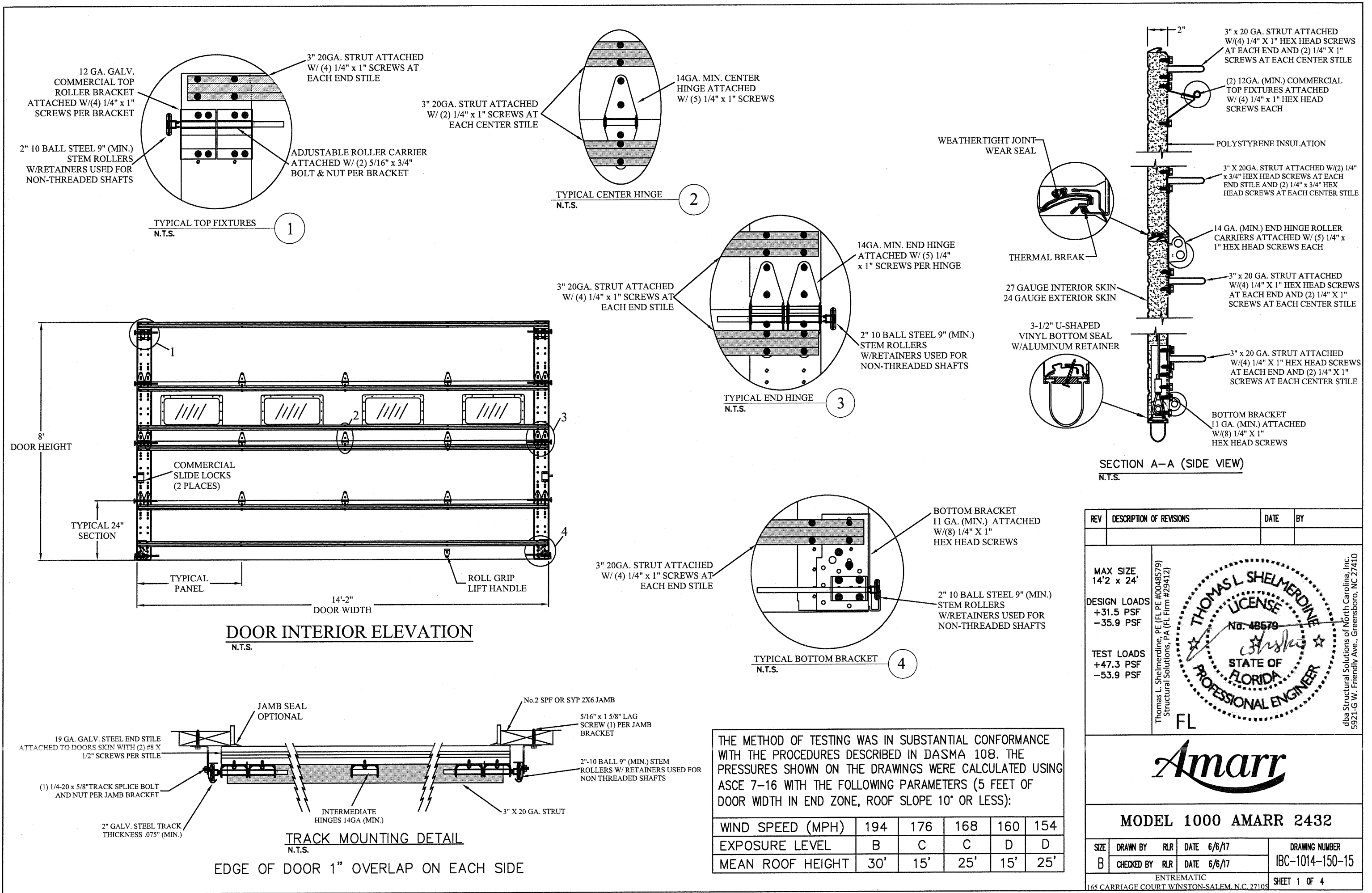




REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
14'2" x 24'

DESIGN LOADS
+31.5 PSF
-35.9 PSF

TEST LOADS
+47.3 PSF
-53.9 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

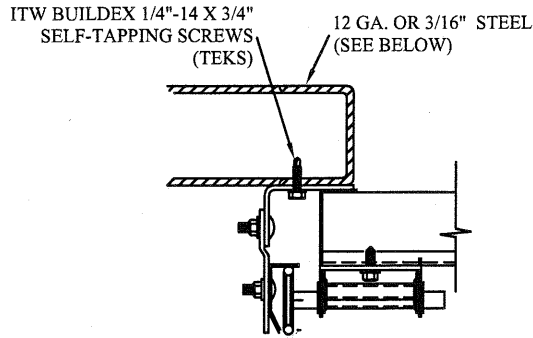
MODEL 1000 AMARR 2432

SIZE	DRAWN BY	RLR	DATE	6/6/17	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	6/6/17	IBC-1014-150-15

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

SHEET 1 OF 4

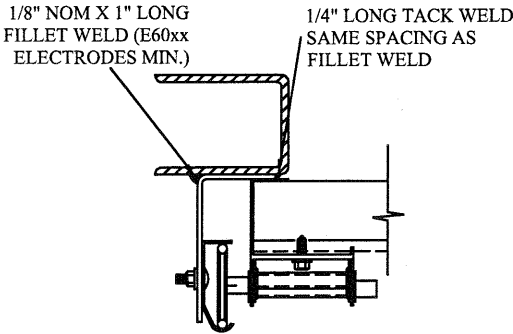
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

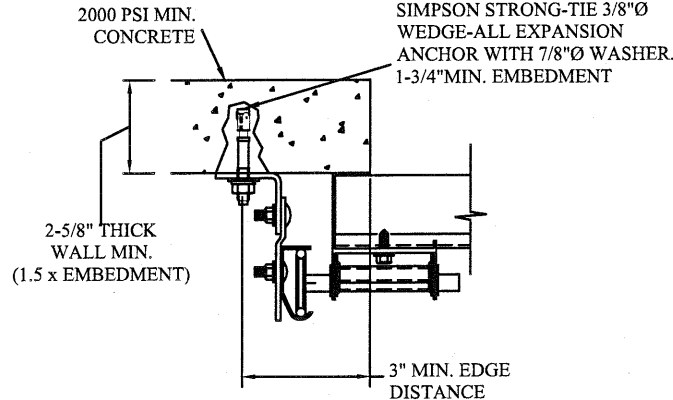
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 12" O.C.
REFER TO NOTES: 1, 2 AND 5

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



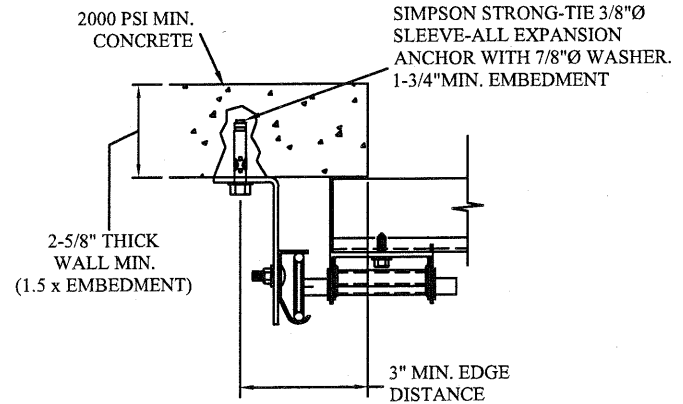
**REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE**

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 18" 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 18" 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:
+223.1 LBS/FT & -254.3 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 24'0" HIGH USE (2) 3" 20GA STRUTS ON EVERY OTHER SECTION STARTING ON THE BOTTOM SECTION & (1) 3" 20GA STRUT ON EVERY OTHER SECTION STARTING ON WITH THE SECOND SECTION.
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 22" 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 18" 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 16" 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 16" O.C. (1 1/4" EMBEDMENT)

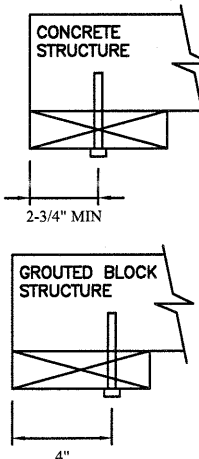
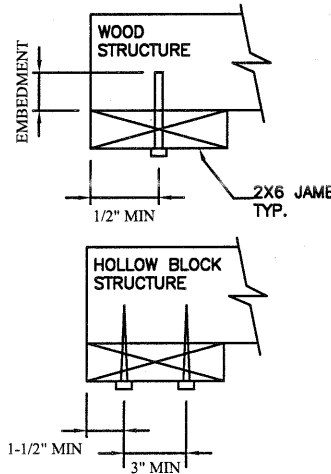
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 22" O.C. (1 1/4" EMBEDMENT)

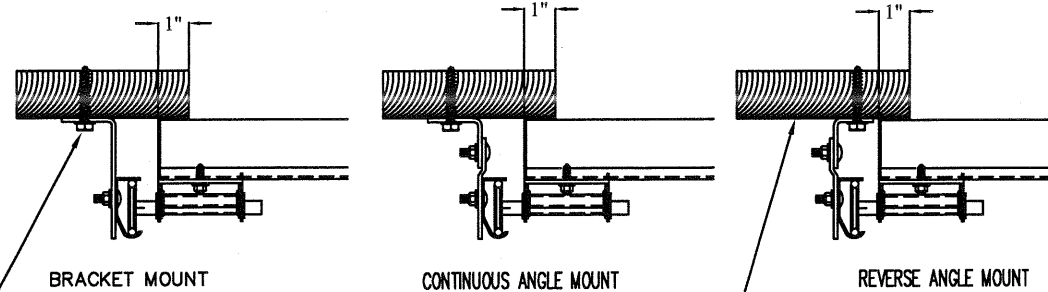
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*LAGS AND BOLTS CAN BE COUNTERSUNK T
*PREPARATION OF WOOD JAMBS BY OTHERS



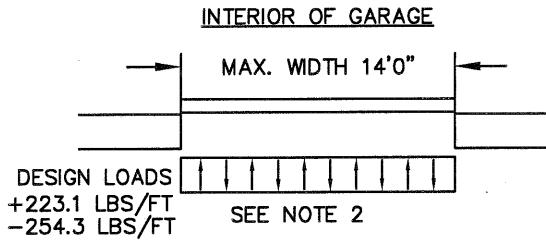
TRACK CONNECTION TO WOOD JAMB OPTIONS

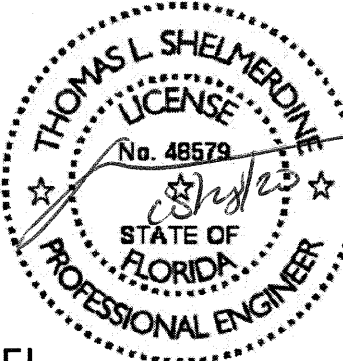
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL

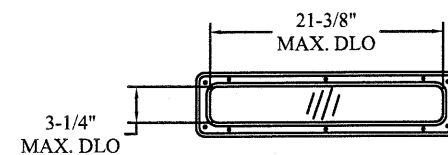
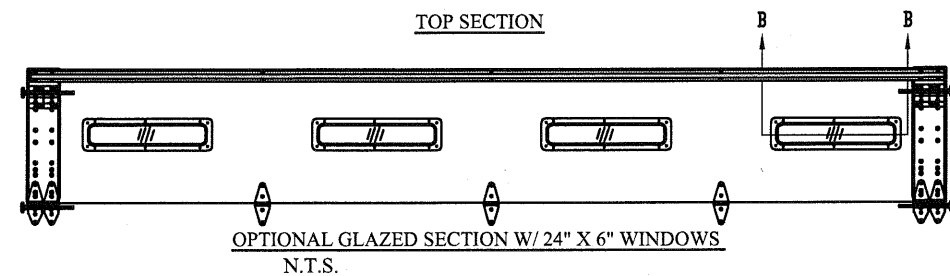


5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

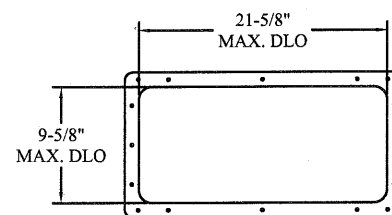
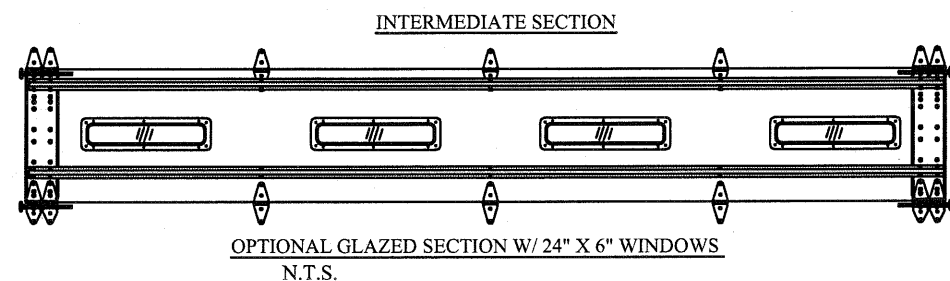
2x6 WOOD JAMB SYP OR SPF
(NO.2) OR BETTER (TYP.)



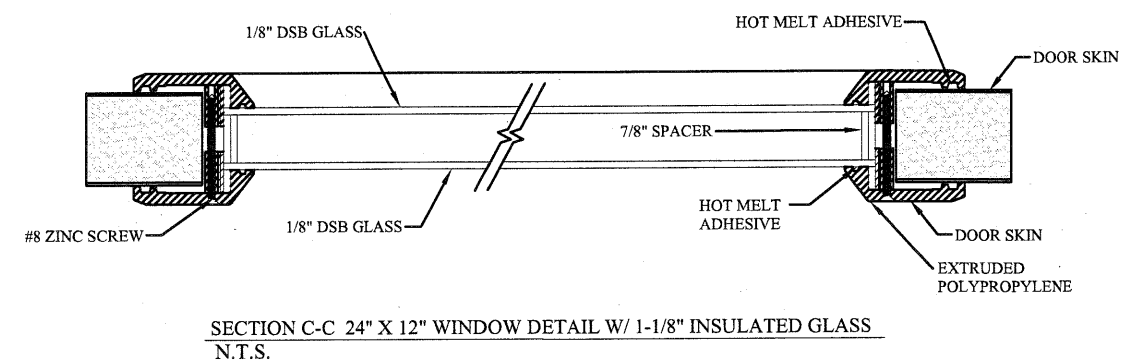
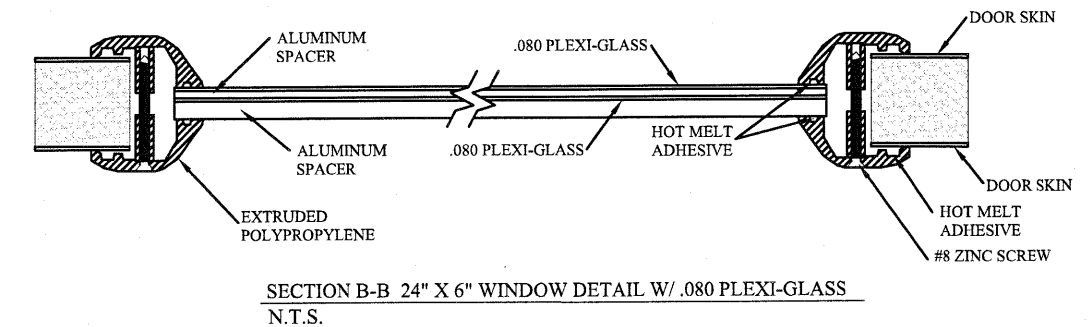
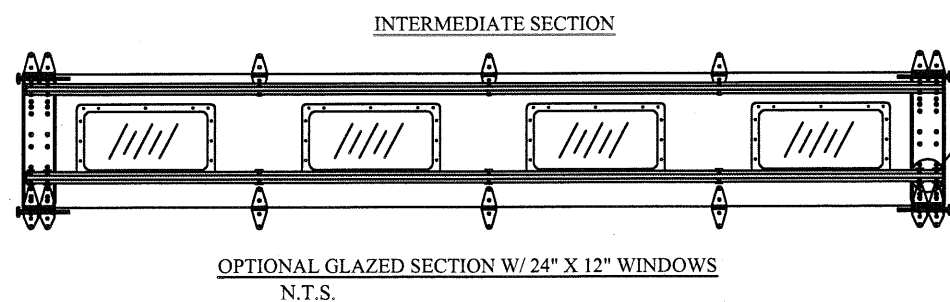
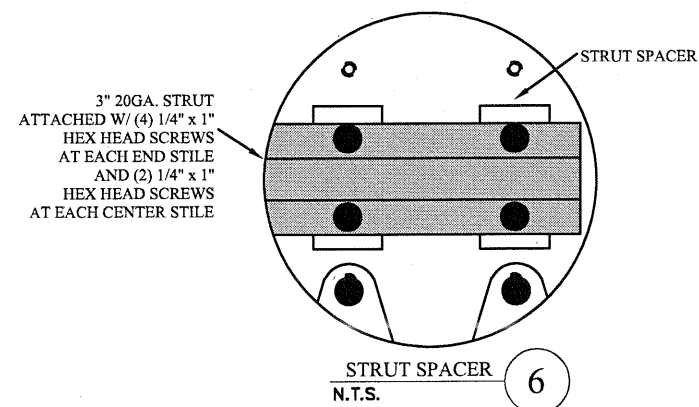
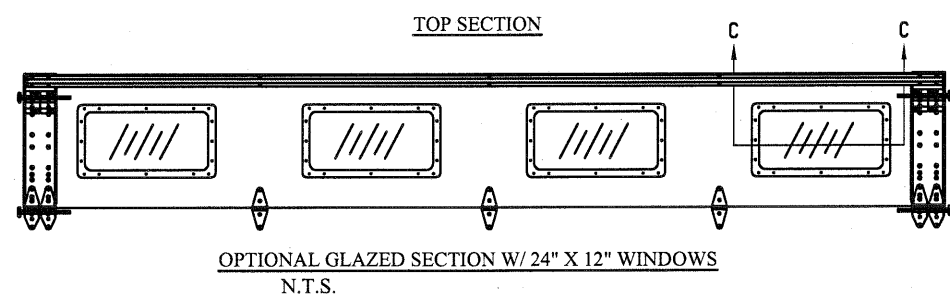
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 14'2 x 24' DESIGN LOADS +31.5 PSF -35.9 PSF TEST LOADS +47.3 PSF -53.9 PSF		 Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	RLR	DATE 6/6/17
B	CHECKED BY	RLR	DATE 6/6/17
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103			DRAWING NUMBER IBC-1014-150-15 SHEET 2 OF 4



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

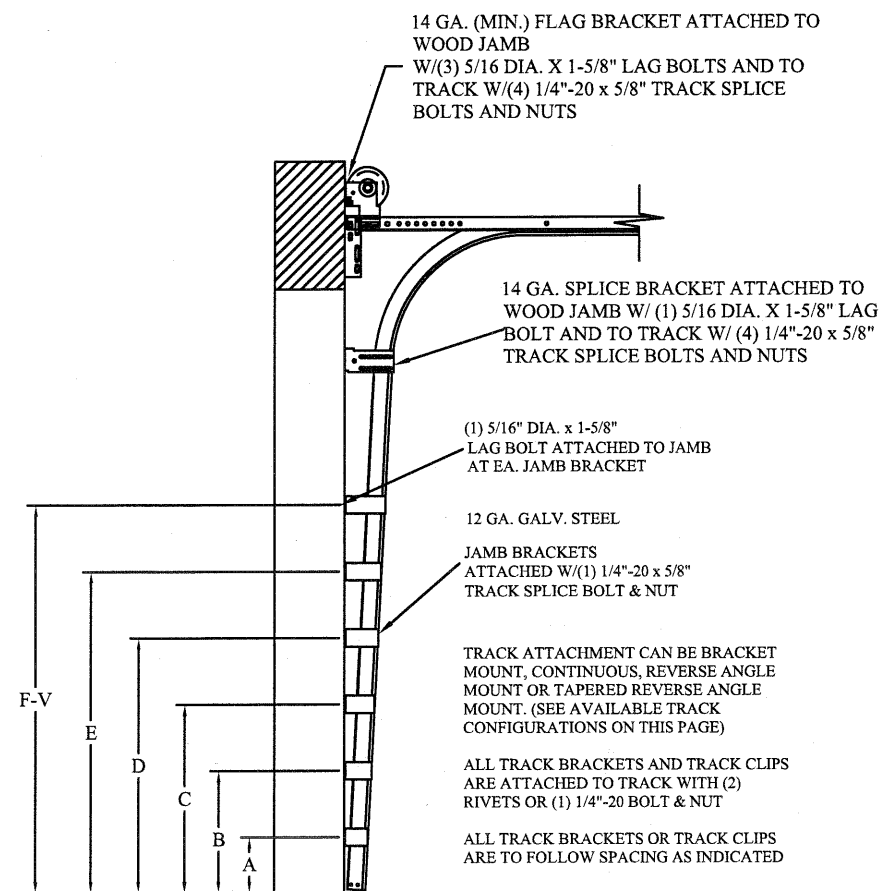


24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

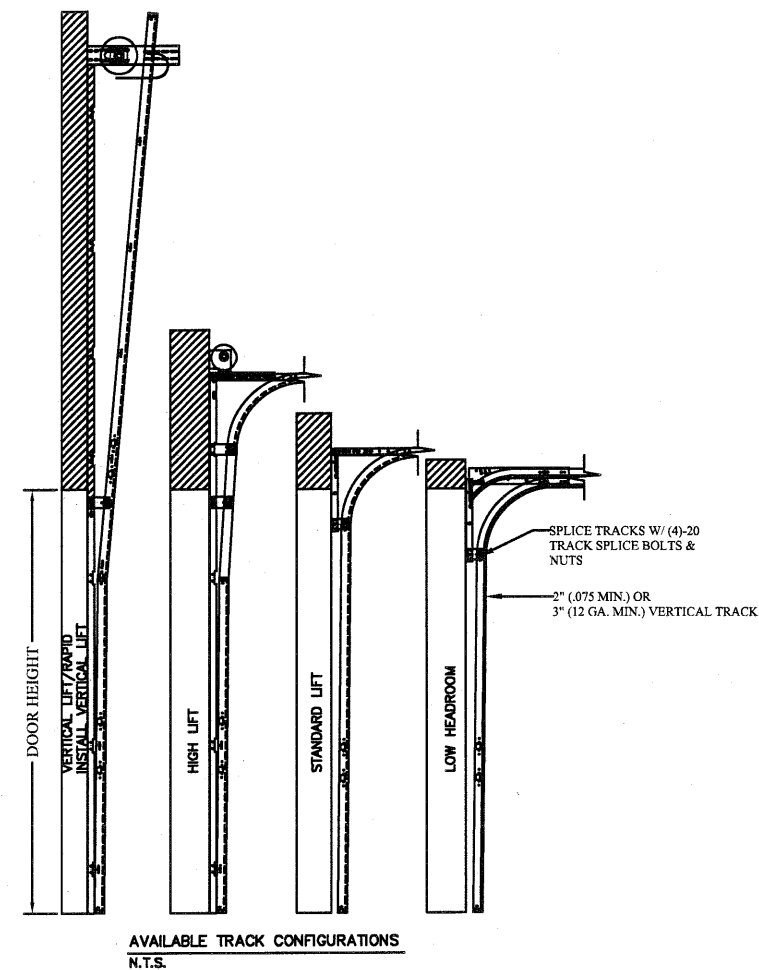


REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 14'2" x 24' DESIGN LOADS +31.5 PSF -35.9 PSF TEST LOADS +47.3 PSF -53.9 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	RLR	DATE 6/6/17
B	CHECKED BY	RLR	DATE 6/6/17
ENTREMATIC			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IBC-1014-150-15
			SHEET 3 OF 4

Section Width (ft)		Center Stile Locations (Measured from Left)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
6'	0"	36"	-	-	37.1	42.3
6'	2"	37"	-	-	36.1	41.2
6'	4"	38"	-	-	35.2	40.1
6'	6"	39"	-	-	34.3	39.1
6'	8"	40"	-	-	33.4	38.1
6'	10"	41"	-	-	32.6	37.2
7'	0"	42"	-	-	31.8	36.3
7'	2"	43"	-	-	31.1	35.4
7'	4"	44"	-	-	30.4	34.6
7'	6"	45"	-	-	29.7	33.9
7'	8"	46"	-	-	29.1	33.1
7'	10"	47"	-	-	28.4	32.4
8'	0"	48"	-	-	27.8	31.7
8'	2"	49"	-	-	27.3	31.1
8'	4"	50"	-	-	26.7	30.5
8'	6"	51"	-	-	26.2	29.9
8'	8"	52"	-	-	25.7	29.3
8'	10"	53"	-	-	25.2	28.7
9'	0"	54"	-	-	24.7	28.2
9'	2"	55"	-	-	24.3	27.7
9'	4"	36"	76"	-	35.0	39.9
9'	6"	37"	77"	-	34.5	39.4
9'	8"	38"	78"	-	34.1	38.9
9'	10"	39"	79"	-	33.7	38.4
10'	0"	40"	80"	-	33.3	37.9
10'	2"	41"	81"	-	32.8	37.4
10'	4"	42"	82"	-	32.4	37.0
10'	6"	43"	83"	-	32.0	36.5
10'	8"	44"	84"	-	31.7	36.1
10'	10"	45"	85"	-	31.3	35.7
11'	0"	46"	86"	-	30.9	35.3
11'	2"	47"	87"	-	30.6	34.8
11'	4"	48"	88"	-	30.2	34.5
11'	6"	49"	89"	-	29.9	34.1
11'	8"	50"	90"	-	29.6	33.7
11'	10"	51"	91"	-	29.2	33.3
12'	0"	48"	96"	-	27.7	31.6
12'	2"	49"	97"	-	27.4	31.3
12'	4"	50"	98"	-	27.1	30.9
12'	6"	51"	99"	-	26.9	30.6
12'	8"	52"	100"	-	26.6	30.3
12'	10"	53"	101"	-	26.3	30.0
13'	0"	36"	78"	120"	31.7	36.1
13'	2"	37"	79"	121"	31.7	36.1
13'	4"	38"	80"	122"	31.7	36.1
13'	6"	39"	81"	123"	31.7	36.1
13'	8"	40"	82"	124"	31.7	36.1
13'	10"	41"	83"	125"	31.7	36.1
14'	0"	42"	84"	126"	31.7	36.1
14'	2"	43"	85"	127"	31.5	35.9

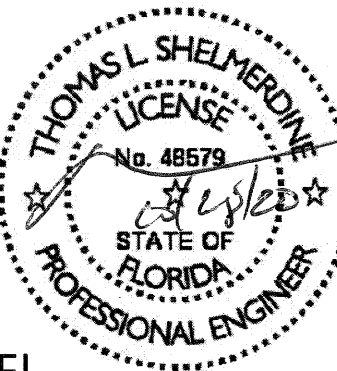


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



DOOR HEIGHT	TRACK ATTACHMENT																							TYPICAL SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V		
7'	0"	10.0"	22.0"	34"	46"	58"																		76"
7'	6"	10.0"	22.0"	34"	46"	58"	70"																	82"
8'	0"	10.0"	22.0"	34"	46"	58"	70"																	88"
8'	6"	10.0"	22.0"	34"	46"	58"	70"	82"																94"
9'	0"	10.0"	22.0"	34"	46"	58"	70"	82"																100"
9'	6"	10.0"	22.0"	34"	46"	58"	70"	82"	94"															106"
10'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"															112"
11'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"														124"
12'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
14'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24'	0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 14'2 x 24' DESIGN LOADS +31.5 PSF -35.9 PSF TEST LOADS +47.3 PSF -53.9 PSF		 Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
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ENTREMATI C			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IBC-1014-150-15
SHEET 4 OF 4			