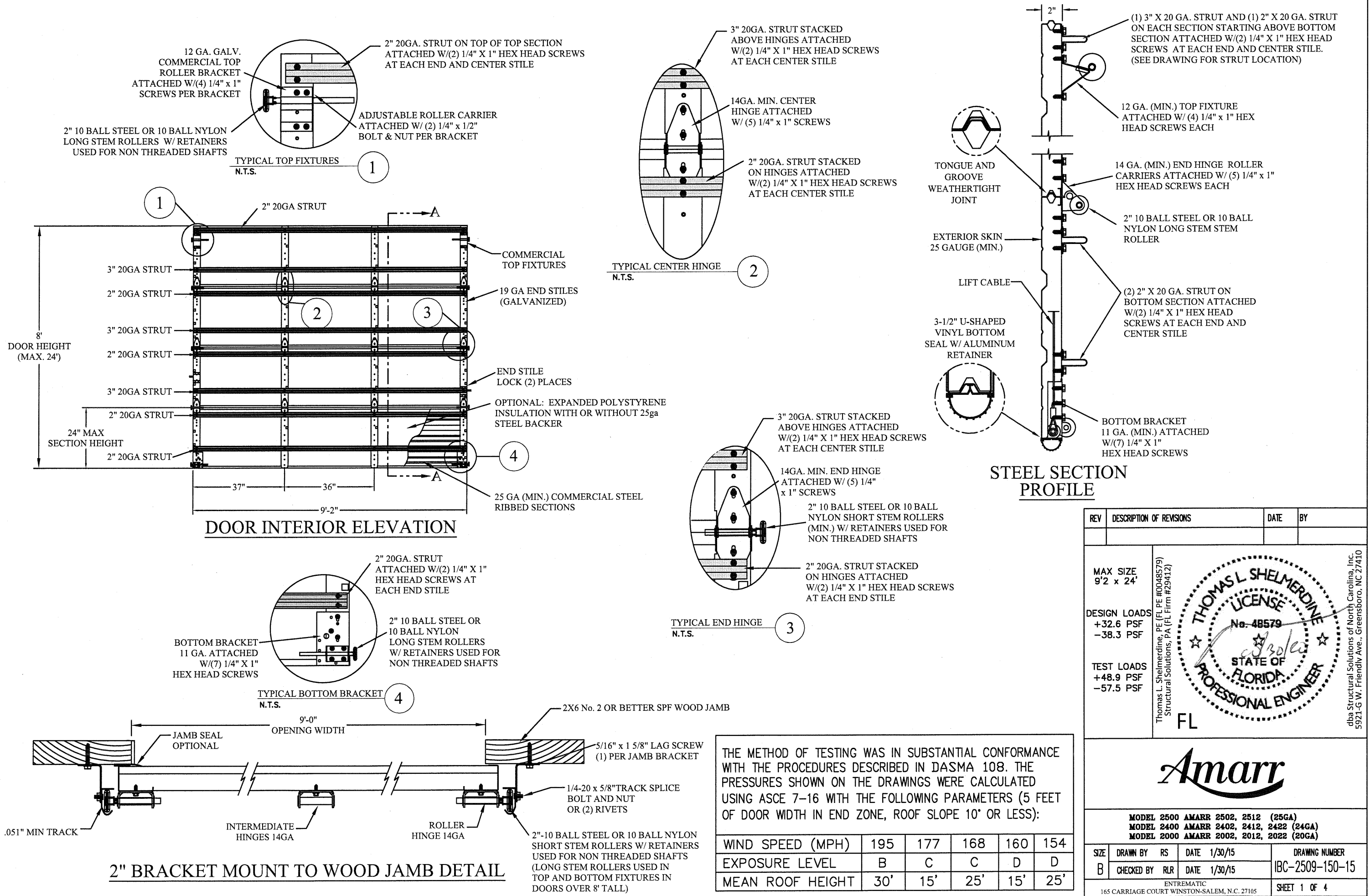




REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24"

DESIGN LOADS
+32.6 PSF
-38.3 PSF

TEST LOADS
+48.9 PSF
-57.5 PSF

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

FL

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

MODEL 2500 AMARR 2502, 2512 (25GA) MODEL 2400 AMARR 2402, 2412, 2422 (24GA) MODEL 2000 AMARR 2002, 2012, 2022 (20GA)			
SIZE	DRAWN BY RS	DATE 1/30/15	DRAWING NUMBER
B	CHECKED BY RLR	DATE 1/30/15	IBC-2509-150-15

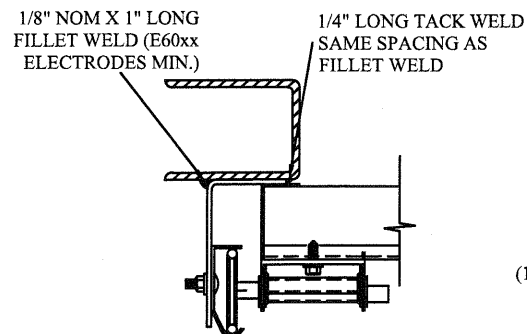
ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 4

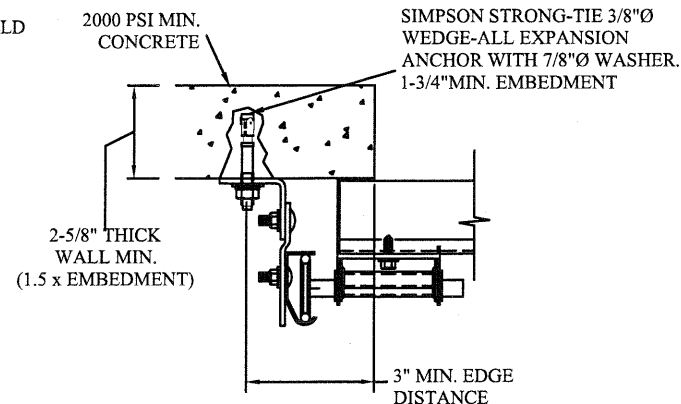
ITW BUILDDEX 1/4"-14 X 3/4"
SELF-TAPPING SCREWS
(TEKS)

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

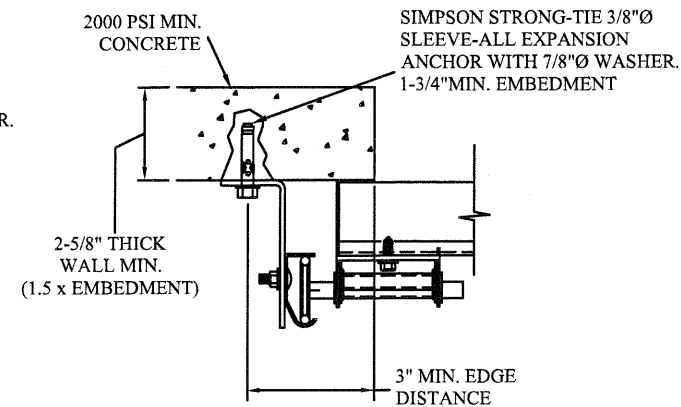
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



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



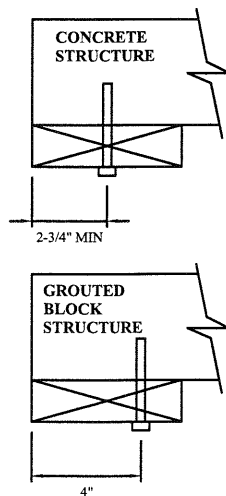
2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5



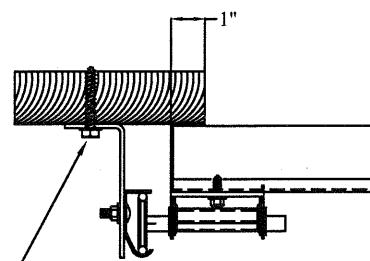
2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

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: +149.4 LBS/FT AND -175.5 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. (.018) MIN. EXTERIOR SKIN ROLLED FORMED, GALVANIZATION W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 24' HIGH USE (2) 2" 20GA STRUTS ON THE BOTTOM SECTION AND (1) 2" 20GA STRUT AND (1) 3" 20GA STRUT ON EACH INTERMEDIATE AND TOP 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.

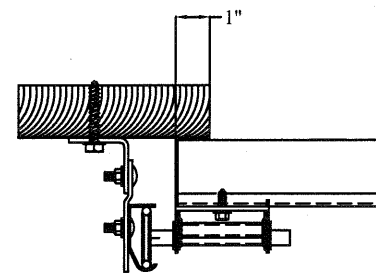
The technical drawings illustrate the required dimensions for wood and hollow block structures. The top drawing, labeled 'WOOD STRUCTURE', shows a cross-section of a wall with a central opening. A vertical line represents the jamb, and a horizontal line represents the lintel. The jamb is labeled '2X6 JAMB TYP.' and has a minimum width of '1/2" MIN'. The lintel is labeled 'EMBEDMENT' and has a minimum width of '1-1/2" MIN'. The bottom drawing, labeled 'HOLLOW BLOCK STRUCTURE', shows a cross-section of a wall with two vertical openings. The jamb is labeled '1-1/2" MIN' and the lintel is labeled '3" MIN'.



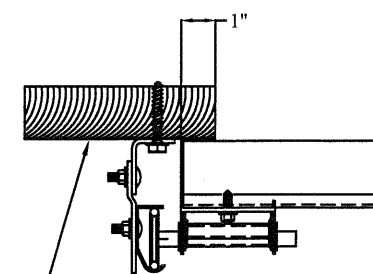
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



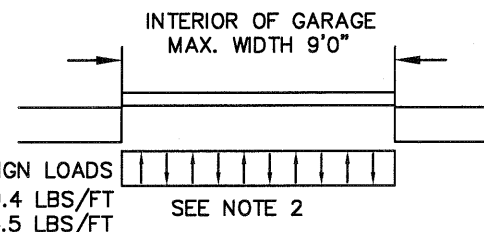
5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

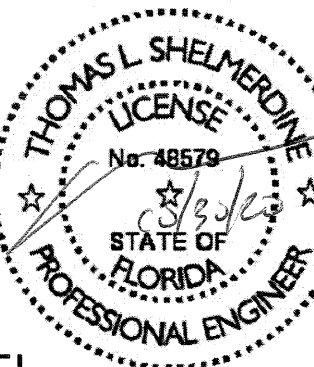


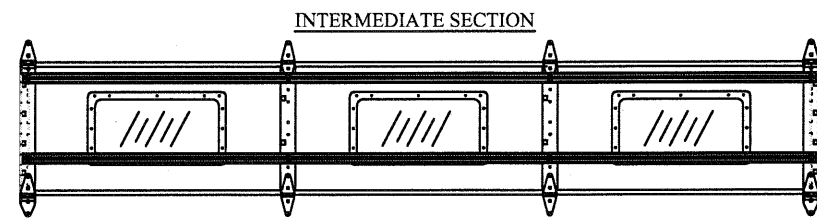
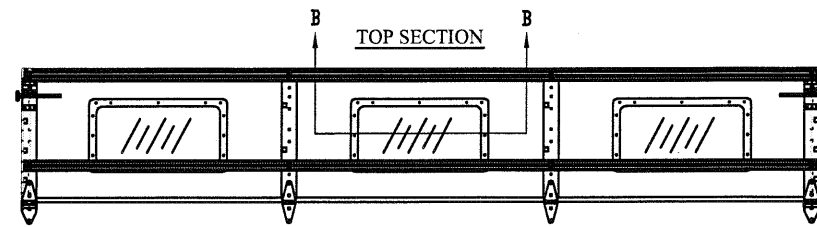
CONTINUOUS ANGLE MOUNT



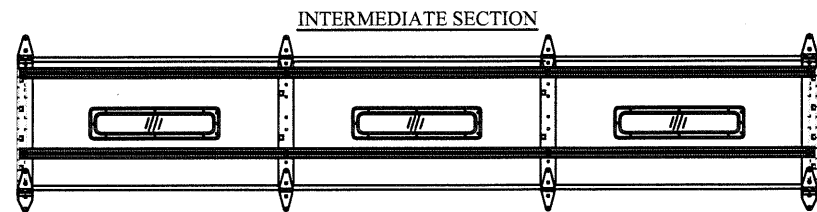
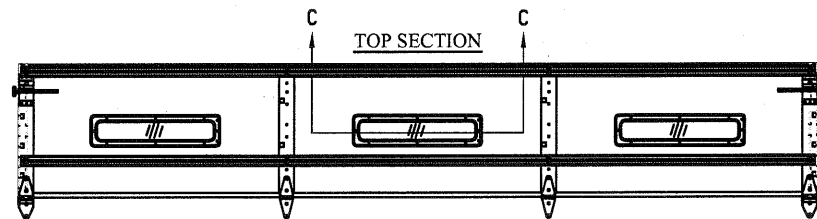
2x6 WOOD JAMB SYP
(NO.2) OR BETTER (TYP.)



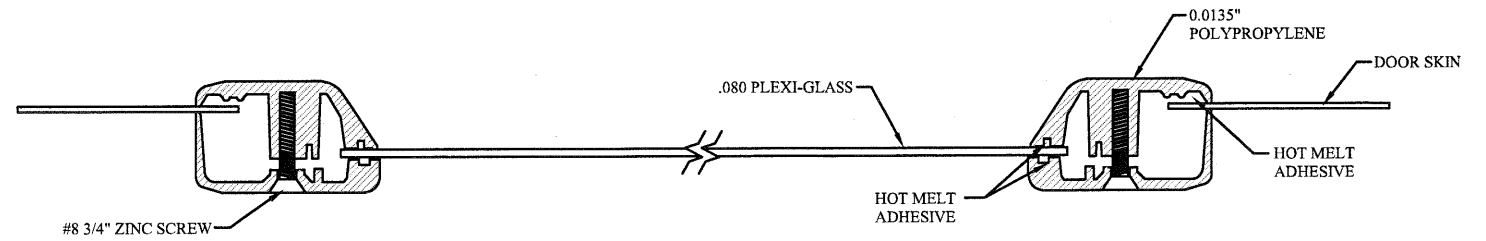
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'2" x 24' DESIGN LOADS +32.6 PSF -38.3 PSF TEST LOADS +48.9 PSF -57.5 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G.W. Friendly Ave. Greensboro, NC 27410	
			
MODEL 2500 AMARR 2502, 2512 (25GA) MODEL 2400 AMARR 2402, 2412, 2422 (24GA) MODEL 2000 AMARR 2002, 2012, 2022 (20GA)			
SIZE B	DRAWN BY RS	DATE 1/30/15	DRAWING NUMBER IBC-2509-150-15
	CHECKED BY RLR	DATE 1/30/15	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 4



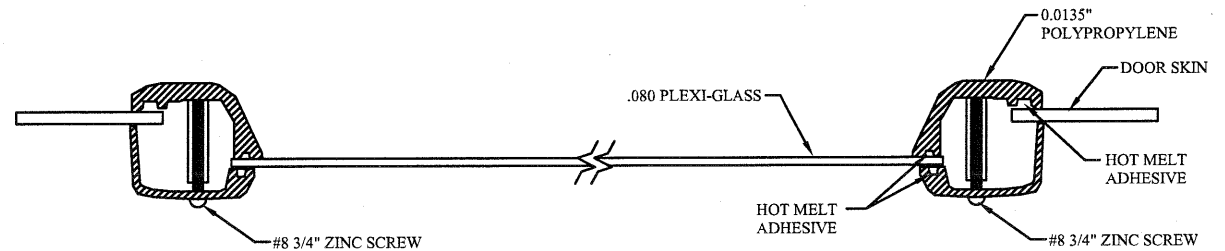
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT
N.T.S.



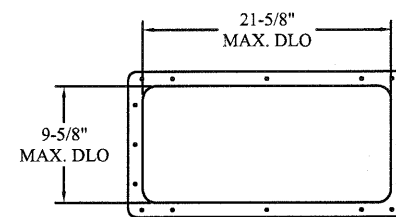
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS AND STRUT LAYOUT
N.T.S.



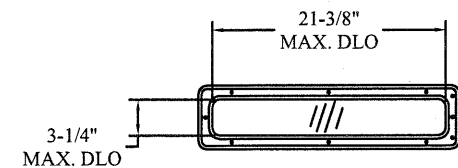
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



SECTION C-C 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S. (ALSO AVAILABLE WITH 1/8" DSB GLASS)

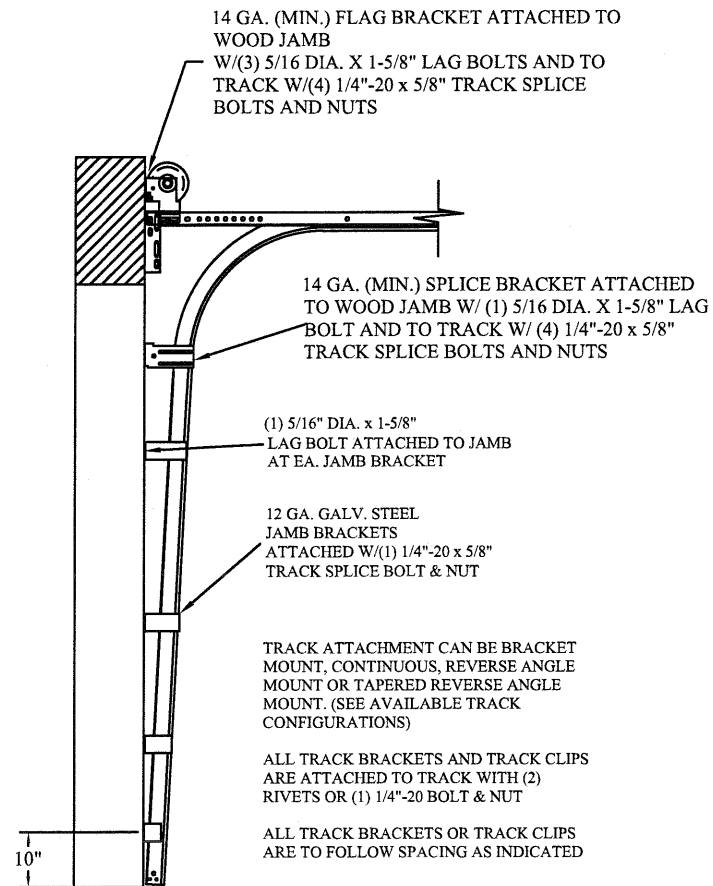


24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

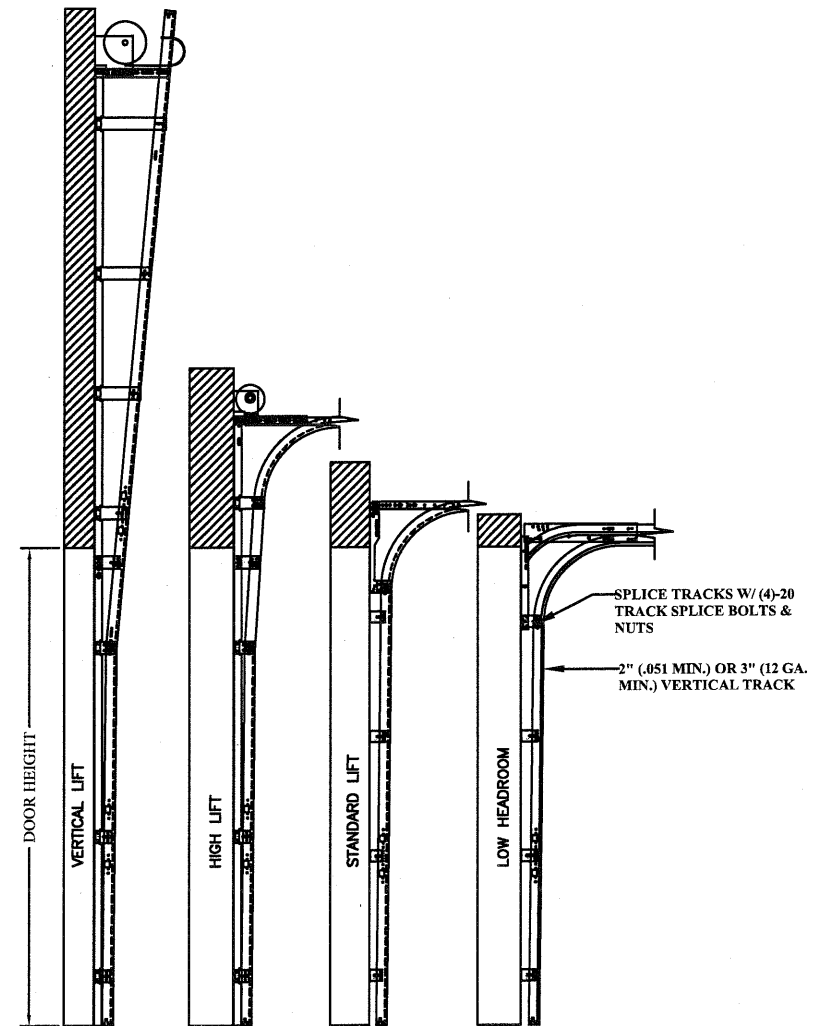


24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'2" x 24' DESIGN LOADS +32.6 PSF -38.3 PSF TEST LOADS +48.9 PSF -57.5 PSF Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL <i>Amarr</i> MODEL 2500 AMARR 2502, 2512 (25GA) MODEL 2400 AMARR 2402, 2412, 2422 (24GA) MODEL 2000 AMARR 2002, 2012, 2022 (20GA)			
SIZE	DRAWN BY RS	DATE 1/30/15	DRAWING NUMBER
B	CHECKED BY RLR	DATE 1/30/15	IBC-2509-150-15
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	Center Stile	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
Width (ft)	1st (in)		
6'0	36"	33.0	38.8
6'2	37"	32.1	37.7
6'4	23"	53"	44.9
6'6	24"	54"	44.0
6'8	25"	55"	43.2
6'10	26"	56"	42.4
7'0	27"	57"	41.7
7'2	28"	58"	41.0
7'4	27"	61"	39.0
7'6	28"	62"	38.3
7'8	29"	63"	37.7
7'10	30"	64"	37.1
8'0	31"	65"	36.6
8'2	32"	66"	36.0
8'4	32"	68"	34.9
8'6	33"	69"	34.4
8'8	34"	70"	33.9
8'10	35"	71"	33.5
9'0	36"	72"	33.0
9'2	37"	73"	32.6

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"	70"									76"
7'	6"	10.0"	34"	58"	70"									82"
8'	0"	10.0"	34"	58"	70"									88"
8'	6"	10.0"	34"	58"	82"	94"								94"
9'	0"	10.0"	34"	58"	82"	94"								100"
9'	6"	10.0"	34"	58"	82"	94"								106"
10'	0"	10.0"	34"	58"	82"	94"								112"
11'	0"	10.0"	34"	58"	82"	106"	118"							124"
12'	0"	10.0"	34"	58"	82"	106"	118"							136"
13'	0"	10.0"	34"	58"	82"	106"	130"	142"						148"
14'	0"	10.0"	34"	58"	82"	106"	130"	142"						160"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"	166"					172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"	166"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	190"				196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	190"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	214"			220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	214"			232"
21	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	238"		244"
22	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	238"		256"
23	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	262"	268"
24	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	262"	280"

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

AMARR MODEL 2500 ONLY AVAILABLE UP TO 14'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2 x 24'

DESIGN LOADS
+32.6 PSF
-38.3 PSF

TEST LOADS
+48.9 PSF
-57.5 PSF

FL

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