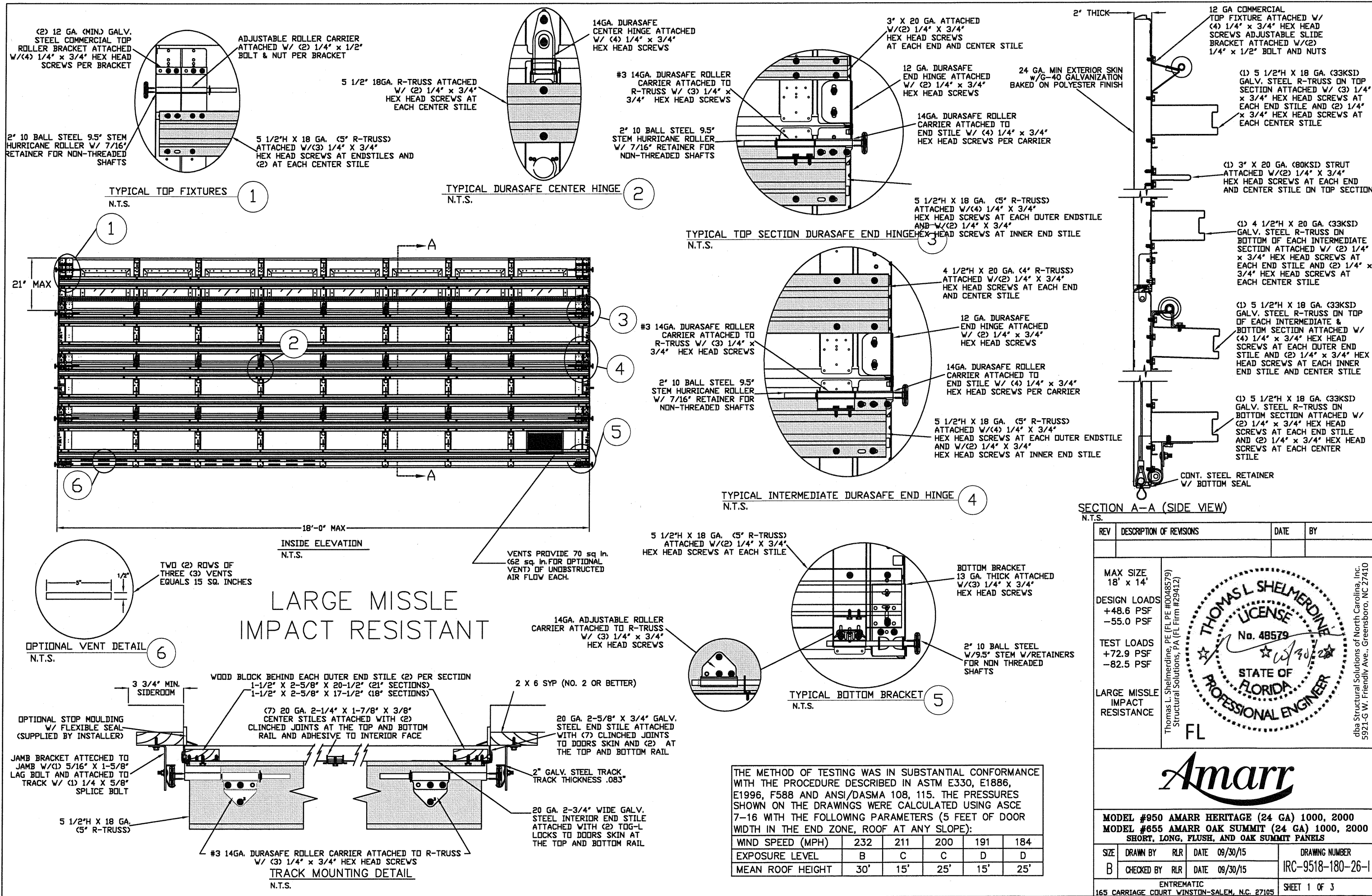




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996, F588 AND ANSI/DASMA 108, 115. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	232	211	200	191	184
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+48.6 PSF
-55.0 PSF

TEST LOADS
+72.9 PSF
-82.5 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

FL

THOMAS L. SHELDERMINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

Amarr

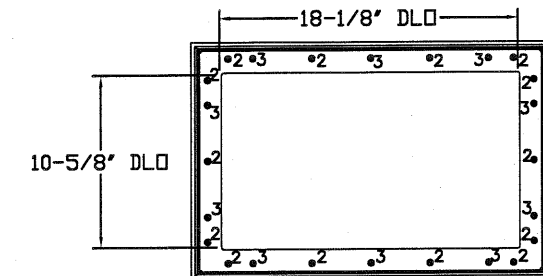
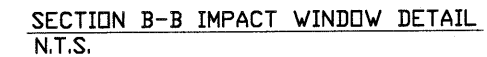
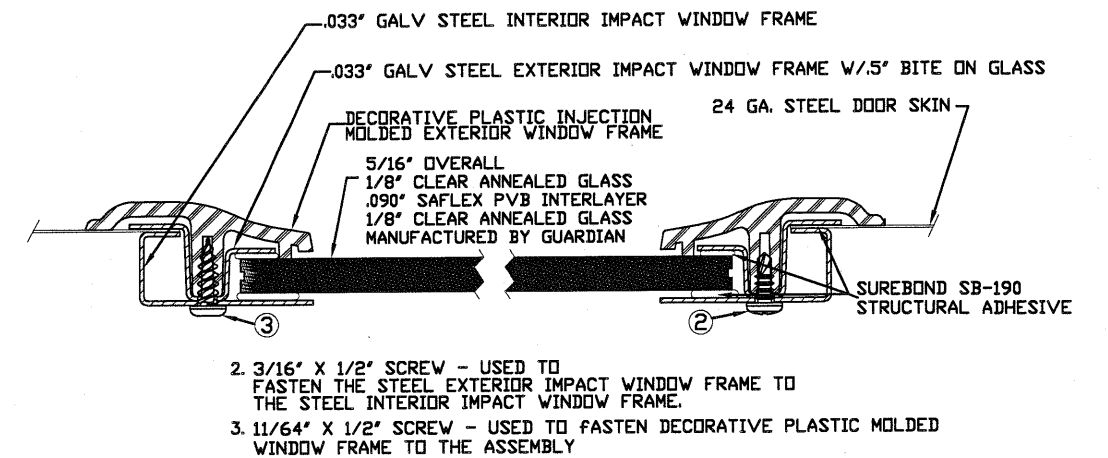
MODEL #950 AMARR HERITAGE (24 GA) 1000, 2000
MODEL #855 AMARR OAK SUMMIT (24 GA) 1000, 2000
SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	09/30/15	DRAWING NUMBER IRC-9518-180-26-1
B	CHECKED BY	RLR	DATE	09/30/15	

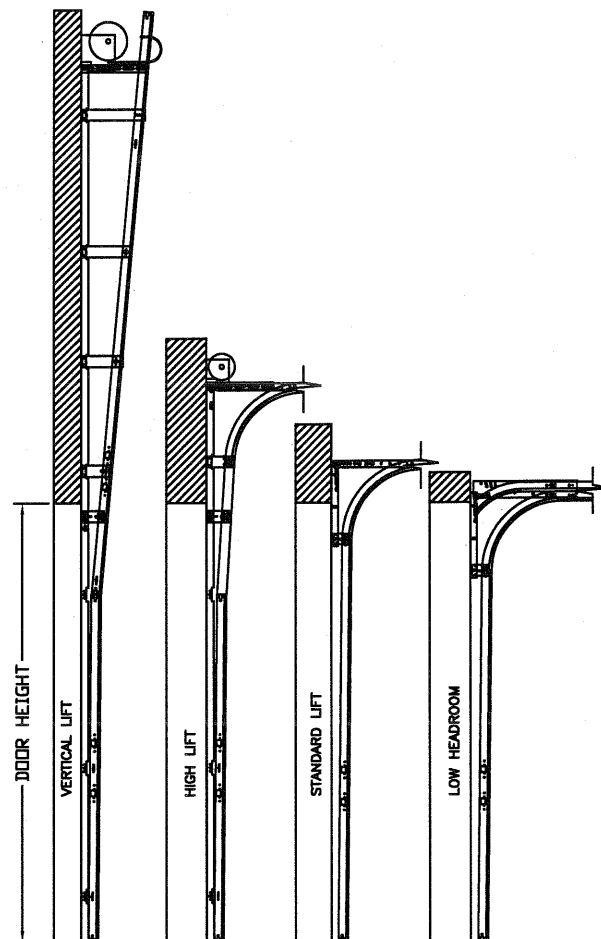
ENTREMATIC
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

SHEET 1 OF 3

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:
+437.4 LBS/FT & -495.0 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. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5 1/2" R-TRUSS AND (1) 3" STRUT ON TOP SECTION, (1) 5 1/2" R-TRUSS AND (1) 4 1/2" R-TRUSS PER INTERMEDIATE SECTION, & (2) 5 1/2" R-TRUSS ON THE BOTTOM 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.



IMPACT GLAZING FASTENER DETAIL
N.T.S.
GLAZING MEETS ASTM E1300-04



2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 10" 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 10" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 18" 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 8" 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 8" 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 10" O.C. (1 1/4" EMBEDMENT)
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

WOOD STRUCTURE

CONCRETE STRUCTURE

HOLLOW BLOCK STRUCTURE

GROUTED BLOCK STRUCTURE

EMBEDMENT

1/2' MIN

2-3/4' MIN

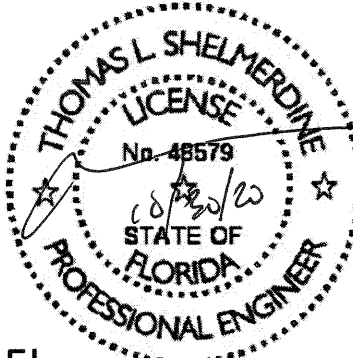
1-1/2' MIN

3' MIN

4'

2X6 JAMB TYP.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 18' x 14' DESIGN LOADS +48.6 PSF -55.0 PSF TEST LOADS +72.9 PSF -82.5 PSF LARGE MISSILE IMPACT RESISTANCE	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)	d/ba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
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MODEL #950 AMARR HERITAGE (24 GA) 1000, 2000 MODEL #855 AMARR OAK SUMMIT (24 GA) 1000, 2000 SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS				
SIZE B	DRAWN BY	RLR	DATE 09/30/15	DRAWING NUMBER IRC-9518-180-26-1
	CHECKED BY	RLR	DATE 09/30/15	

ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105	SHEET 2 OF 3
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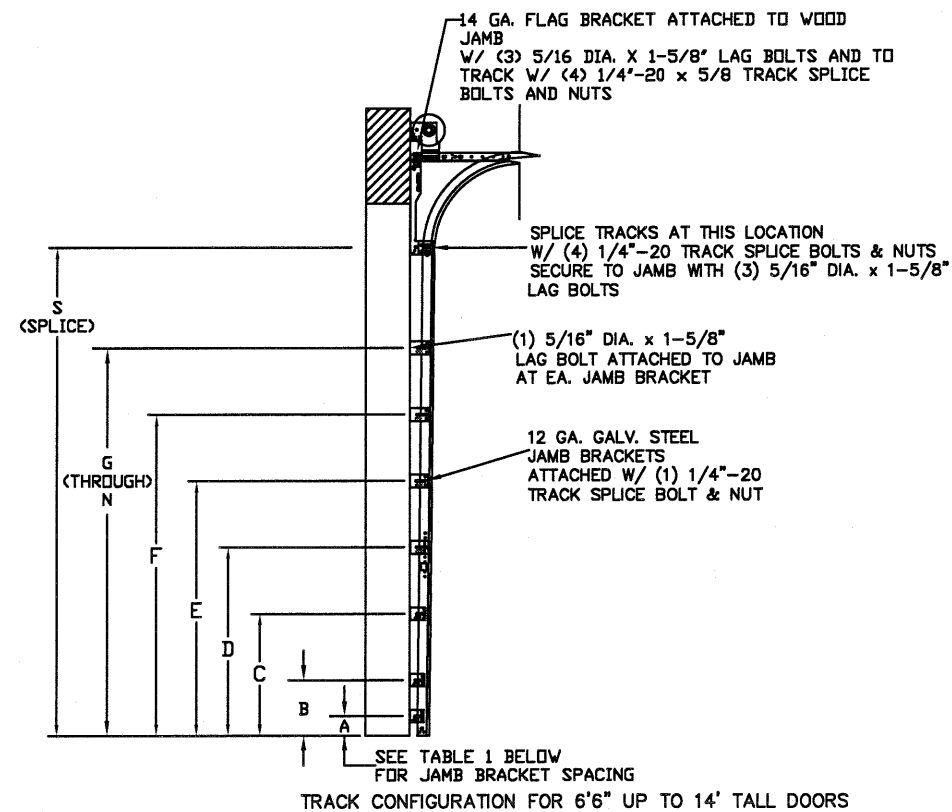


TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6' 6"	3.5"	10"	22"	34"	46"	58"									70"
7'	3.5"	10"	22"	34"	46"	58"	70"								76"
7' 6"	3.5"	10"	22"	34"	46"	58"	70"								82"
8'	3.5"	10"	22"	34"	46"	58"	70"	82"							88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"							94"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"						100"
9' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"						106"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					112"
10' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					118"
11'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				124"
11' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				130"
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			136"
12' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		142"
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		148"
13' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		154"
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	160"

ALL TRACK ATTACHMENT SPACING +/- 2" ALLOWED WITH SYP NO.2 OR BETTER ONLY

TABLE 2

Section	Panel Type	Center Stile Locations (Measured from Left Edge)						
		1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)
16' 2"	Short	26.91	50.27	73.64	97.00	120.36	143.73	167.09
16' 2"	Long	28.25	51.17	74.08	97.00	119.92	142.83	165.75
16' 4"	Short	27.91	51.27	74.64	98.00	121.36	144.73	168.09
16' 4"	Long	29.25	52.17	75.08	98.00	120.92	143.83	166.75
16' 6"	Short	28.91	52.27	75.64	99.00	122.36	145.73	169.09
16' 6"	Long	27.51	51.34	75.17	99.00	122.83	146.66	170.49
16' 8"	Short	27.01	51.34	75.67	100.00	124.33	148.66	172.99
16' 8"	Long	28.30	52.20	76.10	100.00	123.90	147.80	171.70
16' 10"	Short	26.75	51.50	76.25	101.00	125.75	150.50	175.25
16' 10"	Long	29.30	53.20	77.10	101.00	124.90	148.80	172.70
17' 0"	Short	29.01	53.34	77.67	102.00	126.33	150.66	174.99
17' 0"	Long	30.30	54.20	78.10	102.00	125.90	149.80	173.70
17' 2"	Short	28.00	53.00	78.00	103.00	128.00	153.00	178.00
17' 2"	Long	31.30	55.20	79.10	103.00	126.90	150.80	174.70
17' 4"	Short	29.00	54.00	79.00	104.00	129.00	154.00	179.00
17' 4"	Long	32.30	56.20	80.10	104.00	127.90	151.80	175.70
17' 6"	Short	30.00	55.00	80.00	105.00	130.00	155.00	180.00
17' 6"	Long	33.30	57.20	81.10	105.00	128.90	152.80	176.70
17' 8"	Short	29.20	54.80	80.40	106.00	131.60	157.20	182.80
17' 8"	Long	30.70	55.80	80.90	106.00	131.10	156.20	181.30
17' 10"	Short	30.20	55.80	81.40	107.00	132.60	158.20	183.80
17' 10"	Long	30.88	56.25	81.63	107.00	132.38	157.75	183.13
18' 0"	Short	31.88	57.25	82.63	108.00	133.38	158.75	184.13
18' 0"	Long	32.70	57.80	82.90	108.00	133.10	158.20	183.30

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18' x 14'

DESIGN LOADS
+48.6 PSF
-55.0 PSF

TEST LOADS
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-82.5 PSF

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MODEL #950 AMARR HERITAGE (24 GA) 1000, 2000
MODEL #655 AMARR OAK SUMMIT (24 GA) 1000, 2000
SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	09/30/15	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	09/30/15	IRC-9518-180-26-1

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

SHEET 3 OF 3