



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Amarr Garage Doors**  
125 Carriage Court  
Winston-Salem, NC 27105

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model 950 Heritage & 655 Oak Summit 1000, 2000 Steel Sectional Garage Door up to 9'-0" Wide with Impact Windows (DP +51.1, -60.3 PSF)**

**APPROVAL DOCUMENT:** Drawing No. IRC-9509-180-21-G, titled "Model 950 Heritage & 655 Oak Summit (24 GA) 1000, 2000, Short, Long, Flush and Oak Summit Panels", Sheets 1 through 3 of 3, dated 03/12/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
10/03/2013

NOA No. 13-0813.21  
Expiration Date: October 10, 2018  
Approval Date: October 10, 2013  
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Drawing No. IRC-9509-180-21-G, titled "Model 950 Heritage & 655 Oak Summit (24 GA) 1000, 2000, Short, Long, Flush and Oak Summit Panels", Sheets 1 through 3 of 3, dated 03/12/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

**B. TESTS**

1. Addendum to Test Report No. ATLNC 0319.01-13, prepared by American Test Lab, Inc., dated 06/11/2013, signed and sealed by David W. Johnson, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Test per FBC, TAS 202-94  
5) Tensile Test per ASTM E8  
along with marked-up drawings and installation diagram of Amarr 9' x 7' 24 ga steel garage door Model 950, prepared by American Test Lab, Inc, Test Report No. ATLNC 0319.01-13, dated 05/01/2013, signed and sealed by David W. Johnson, P.E.
3. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report No. C5463.01-106-18, dated 04/03/2013, signed and sealed by Gary T. Hartman, P.E. "Submitted under NOA # 13-0503.06"

**C. CALCULATIONS**

1. Anchor calculations prepared by Structural Solutions, P.A., dated 07/16/2013, signed and sealed by Thomas L. Shelmerdine, P.E.

**D. QUALITY ASSURANCE**

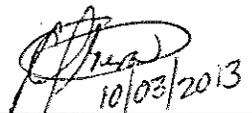
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" approved on 03/28/2013, expiring on 05/21/2016.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC and no financial interest issued by Structural Solutions, PA., dated 07/16/2013, signed and sealed by Tomas L. Shelmerdine, P.E.



10/03/2013

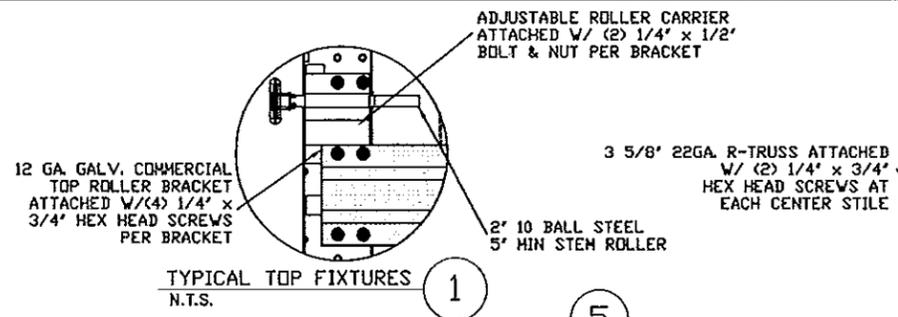
Carlos M. Utrera, P.E.

Product Control Examiner

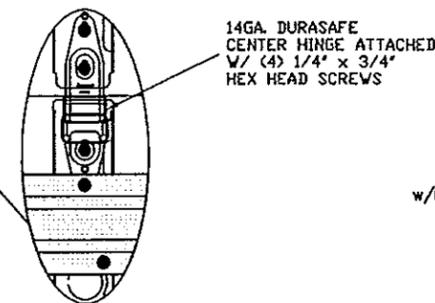
NOA No. 13-0813.21

Expiration Date: October 10, 2018

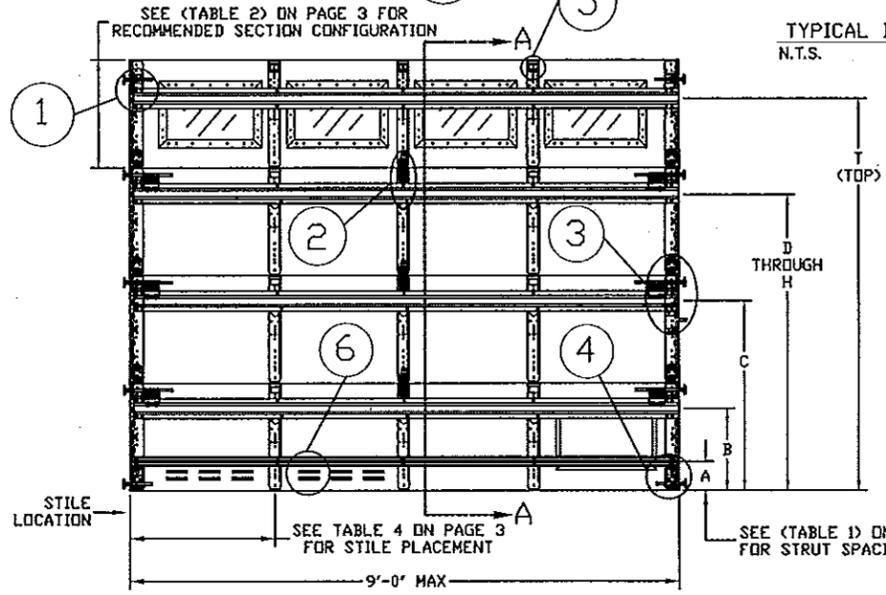
Approval Date: October 10, 2013



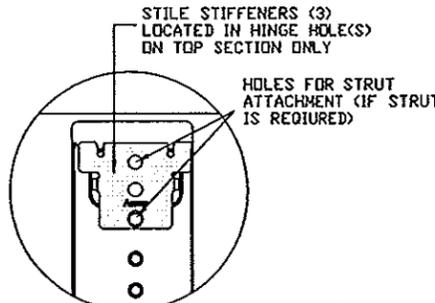
**TYPICAL TOP FIXTURES**  
N.T.S.



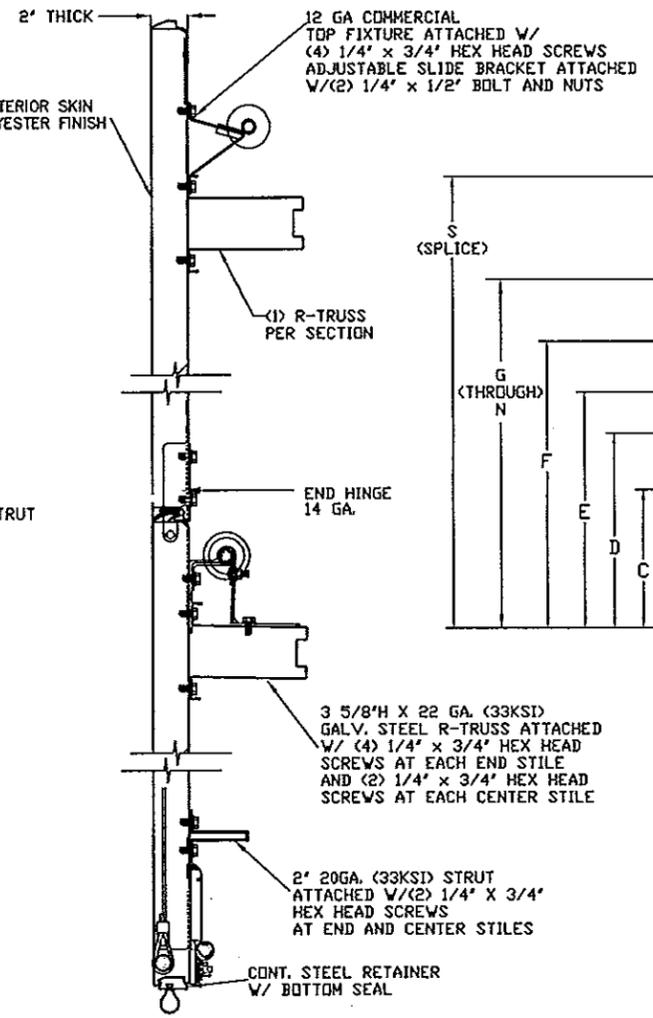
**TYPICAL DURASAFE CENTER HINGE**  
N.T.S.



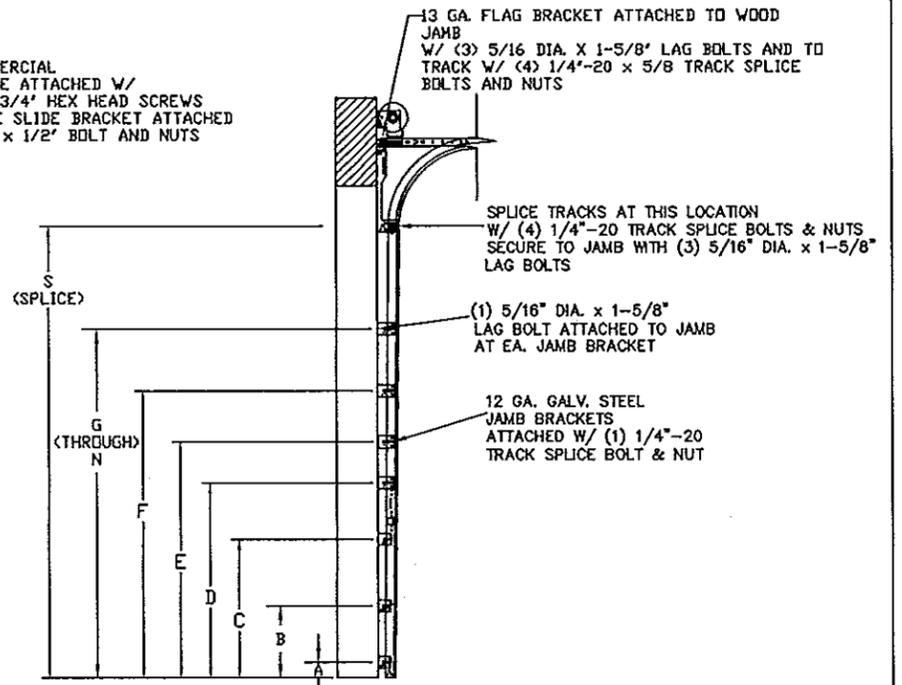
**INSIDE ELEVATION**  
N.T.S.



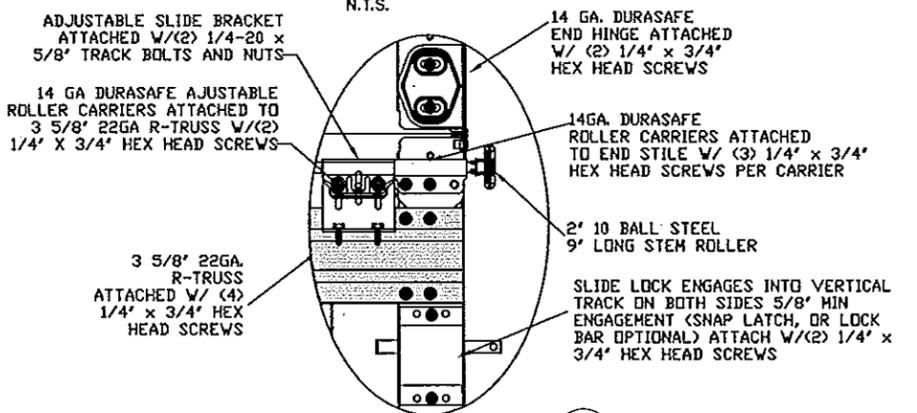
**TYPICAL STILE STIFFENER**  
N.T.S.



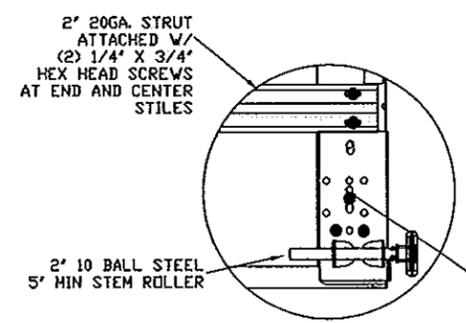
**SECTION A-A (SIDE VIEW)**  
N.T.S.



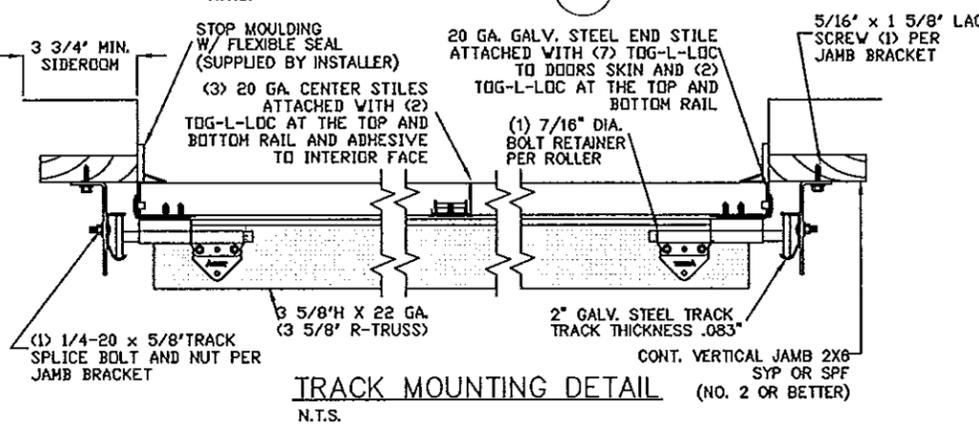
SEE (TABLE 3) ON PAGE 3 FOR JAMB BRACKET SPACING  
**TRACK CONFIGURATION FOR 6\"/>**



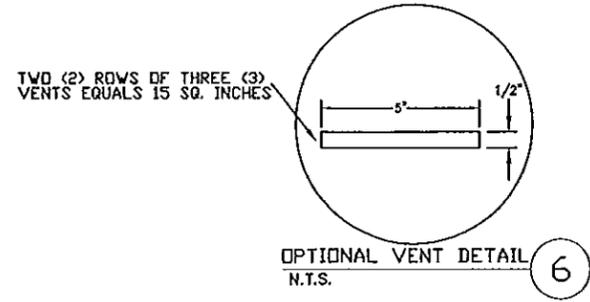
**TYPICAL DURASAFE END HINGE**  
N.T.S.



**TYPICAL BOTTOM BRACKET**  
N.T.S.



**TRACK MOUNTING DETAIL**  
N.T.S.



**OPTIONAL VENT DETAIL**  
N.T.S.

**LARGE MISSILE  
IMPACT RESISTANT**

Approved as complying with the  
Florida Building Code  
Date 10/10/2013  
NOA# 13-2013-2  
Miami Dade Product Control  
By *[Signature]*

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9' x 14'  
DESIGN LOADS +51.1 PSF -60.3 PSF  
LARGE MISSILE IMPACT RESISTANCE

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

**THOMAS L. SHELMERDINE**  
LICENSE  
No 0048579  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
FL

Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) 5921-G W. Friendly Ave., Greensboro, NC 27410

**Amarr**

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM  
MODEL 950 HERITAGE (24 GA) 1000, 2000  
MODEL 655 OAK SUMMIT (24 GA) 1000, 2000  
SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	03/12/13	DRAWING NUMBER
B	CHECKED BY		DATE		IRC-9509-180-21-G

SHEET 1 OF 3



TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)								TOP
	A	B	C	D	E	F	G	H	
6' 6"	5 1/2"	16"	34"	52"					70 1/2"
7'	5 1/2"	16"	37"	58"					76 1/2"
7' 6"	5 1/2"	13"	31"	49"	67"				82 1/2"
8'	5 1/2"	16"	34"	52"	70"				88 1/2"
8' 6"	5 1/2"	16"	37"	58"	76"				94 1/2"
9'	5 1/2"	13"	31"	49"	67"	85"			100 1/2"
9' 6"	5 1/2"	16"	34"	52"	70"	88"			106 1/2"
10'	5 1/2"	16"	37"	58"	76"	94"			112 1/2"
10' 6"	5 1/2"	16"	37"	58"	79"	100"			118 1/2"
11'	5 1/2"	16"	34"	52"	70"	88"	106"		124 1/2"
11' 6"	5 1/2"	16"	37"	58"	76"	94"	112"		130 1/2"
12'	5 1/2"	16"	37"	58"	79"	100"	118"		136 1/2"
12' 6"	5 1/2"	16"	34"	52"	70"	88"	106"	124"	142 1/2"
13'	5 1/2"	16"	37"	58"	76"	94"	112"	130"	148 1/2"
13' 6"	5 1/2"	16"	37"	58"	79"	100"	118"	136"	154 1/2"
14'	5 1/2"	16"	37"	58"	79"	100"	121"	142"	160 1/2"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 4

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)		
		1st (in)	2st (in)	3rd (in)
		8' 0"	Short	24.812
8' 0"	Long	24.000	48.000	72.000
8' 0"	Bead	24.625	48.000	71.375
8' 2"	Short	24.316	49.000	73.684
8' 2"	Long	24.500	49.000	73.500
8' 2"	Bead	25.125	49.000	72.875
8' 4"	Short	24.580	50.000	75.420
8' 4"	Long	25.000	50.000	75.000
8' 4"	Bead	25.625	50.000	74.375
8' 6"	Short	26.029	51.000	75.971
8' 6"	Long	25.500	51.000	76.500
8' 6"	Bead	26.125	51.000	75.875
8' 8"	Short	26.659	52.000	77.341
8' 8"	Long	26.000	52.000	78.000
8' 8"	Bead	26.625	52.000	77.375
8' 10"	Short	27.034	53.000	78.966
8' 10"	Long	26.500	53.000	79.500
8' 10"	Bead	27.125	53.000	78.875
9' 0"	Short	27.596	54.000	80.404
9' 0"	Long	27.000	54.000	81.000
9' 0"	Bead	27.625	54.000	80.375

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		
6' 6"	3"	14"	27"	38"	46"	56"	64"									70"
7'	3"	14"	27"	38"	46"	56"	68"									76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"								82"
8'	3"	14"	27"	38"	46"	56"	68"	78"								88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"							94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"							100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"						106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"						112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"				130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"				136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"			142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"			148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"		154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"		160"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9' x 14'  
DESIGN LOADS +51.1 PSF -60.3 PSF  
LARGE MISSILE IMPACT RESISTANCE

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

SIZE B  
DRAWN BY RLR DATE 03/12/13  
CHECKED BY DATE  
DRAWING NUMBER IRC-9509-180-21-G  
SHEET 3 OF 3