



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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/pera/

NOTICE OF ACCEPTANCE (NOA)

**Amarr Garage Doors
165 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 PERA-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. PERA 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 18'-0" Wide

APPROVAL DOCUMENT: Drawing No. **IRC-9518-165-26-G**, titled "Model #655 Oak Summit and Model #950 Heritage Series 1000 & 2000 Short, Long, Flush, and Oak Summit Panels", sheets 1 through 3 of 3, dated 08/09/2010, with revision A dated 12/14/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration 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 revises NOA # 10-1222.02 and 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]
04/24/2012

NOA No. 12-0228.16
Expiration Date: March 24, 2016
Approval Date: May 3, 2012
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-9518-165-26-G**, titled "Model #655 Oak Summit and Model #950 Heritage Series 1000 & 2000, Short, Long, Flush, and Oak Summit Panels" sheets 1 through 3 of 3, dated 08/09/2010, with revision A dated 12/14/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS "*Submitted under NOA # 10-1222.02*"

1. 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 2411 3.2.1, TAS 202-94
5) Tensile Test per ASTM E8

along with installation diagram on three Model 500 Classica Steel Sectional Garage Doors, prepared by American Test Lab, Inc, Test Report No. **ATLNC 0802.01-10R**, dated 11/03/2010, signed and sealed by David W. Johnson, P.E.

"Submitted under NOA # 08-0718.01"

2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized coated panels, prepared by ETC Laboratories, Test Report No. **07-816-20337.0**, dated 03/24/2008, signed by Joseph L. Doldan, P.E.

C. CALCULATIONS:

1. Anchor calculations prepared by Structural Solutions, P.A., dated 02/09/2012, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

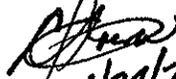
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest issued by Structural Solutions, PA., dated 04/18/2012, signed and sealed by Thomas L. Shelmerdine, P.E.


04/24/2012

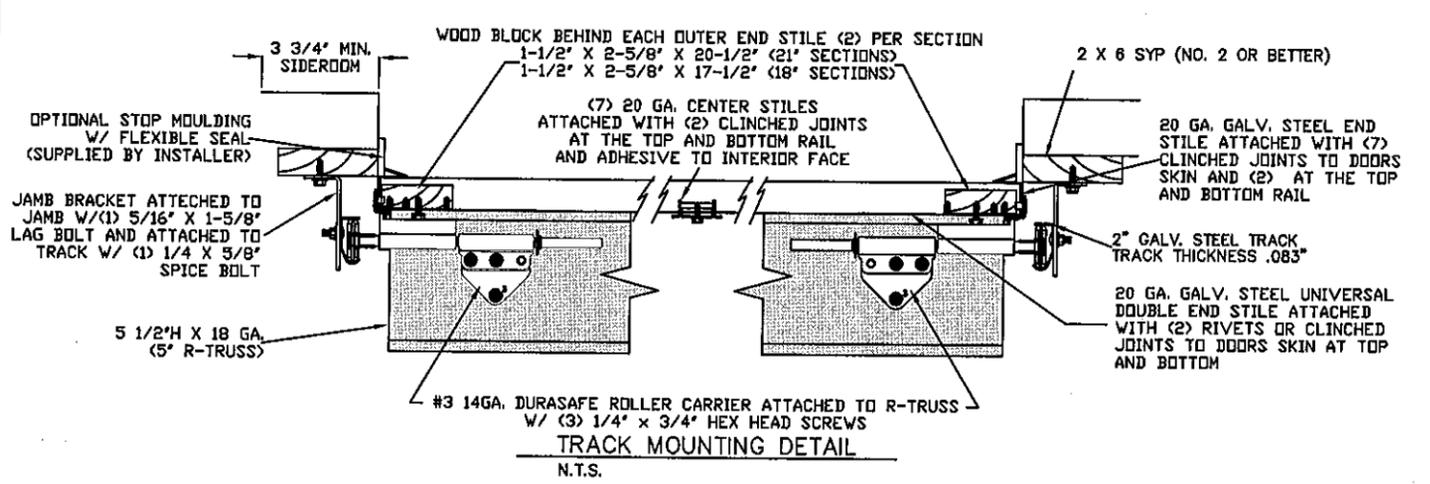
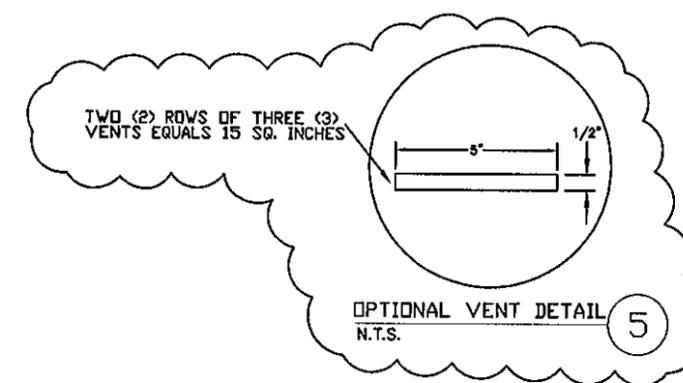
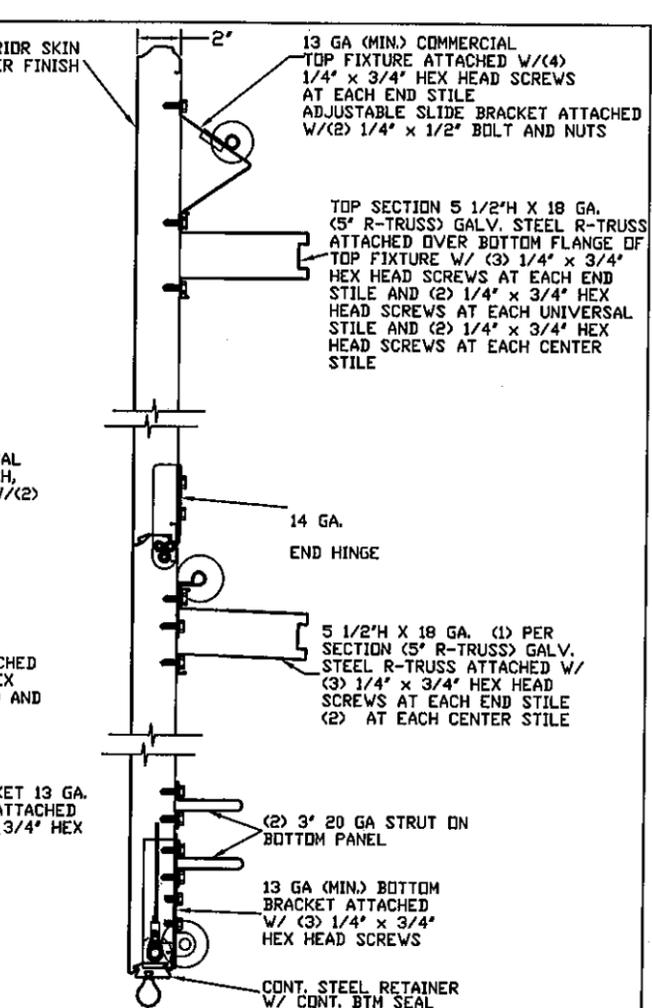
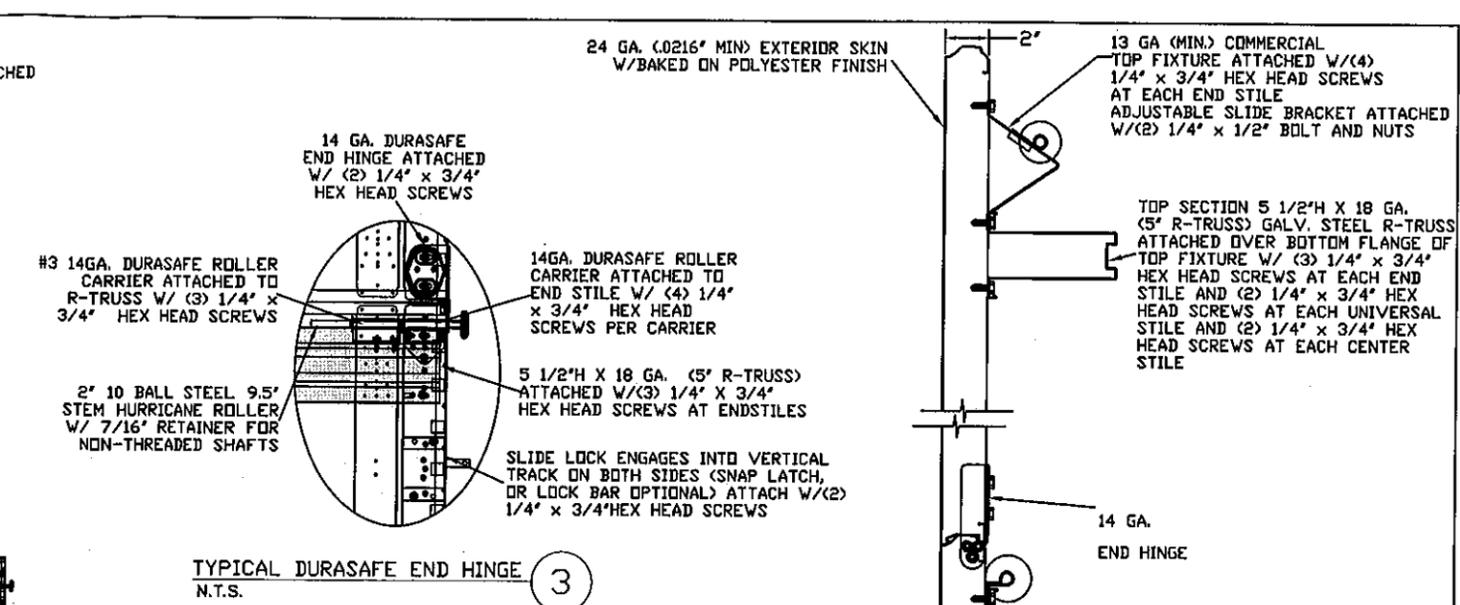
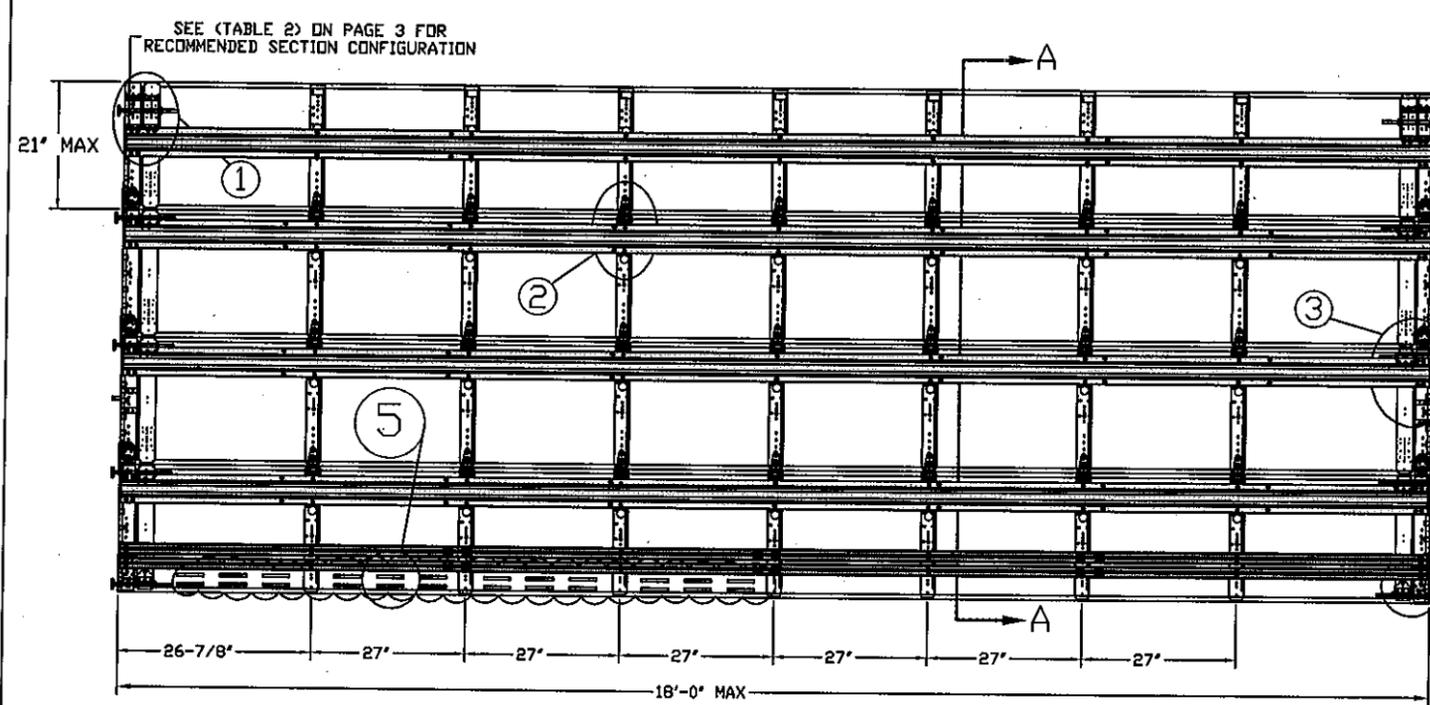
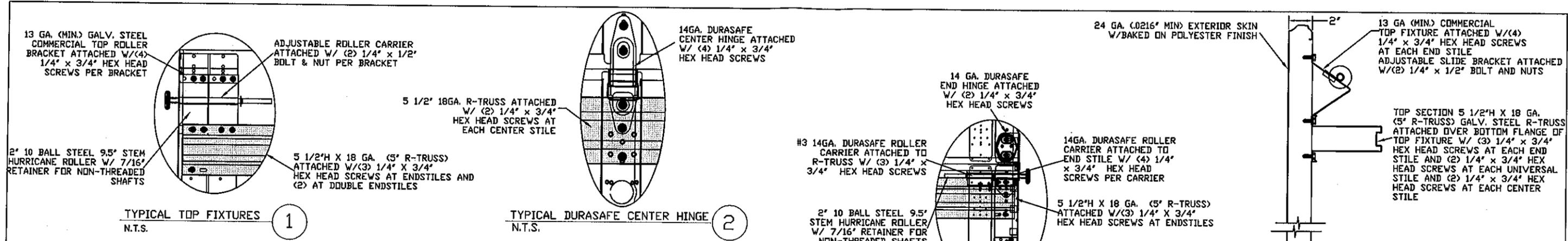
Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 12-0228.16

Expiration Date: March 24, 2016

Approval Date: May 3, 2012



LARGE MISSILE IMPACT RESISTANCE

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0228.16 Expiration Date 03/29/2016
By *[Signature]* Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	12/14/11	RLR

MAX SIZE 18' x 14'	
DESIGN LOADS +42.0 PSF -46.0 PSF	
LARGE MISSILE IMPACT RESISTANCE	

Amarr

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM

MODEL #655 OAK SUMMIT SERIES 1000 & 2000
MODEL #950 HERITAGE SERIES 1000 & 2000
SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	ORC	DATE	08/09/10	DRAWING NUMBER
B	CHECKED BY	BHJ	DATE	08/09/10	IRC-9518-165-26-G

ENGINEER: THOMAS L. SHELMEARDINE P.E. LIC. No. 0048579 SHEET 1 OF 3

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 JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +378.0 LBS/FT & -414.0 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 USE (1) 5.5" 18GA R-TRUSS PER SECTION AND (2) 3" 20GA STRUT ON THE BOTTOM SECTION.
6. REFER TO TABLE 2 ON PAGE 3 FOR SECTION CONFIGURATION.
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
8. THIS APPROVAL REQUIRES THE MANUFACTURER TO DO TESTING OF ALL COILS USED TO FABRICATE DOOR PANELS UNDER THIS NOTICE OF ACCEPTANCE. A MINIMUM OF 2 SPECIMENS SHALL BE CUT FROM EACH COIL AND TENSILE TESTED ACCORDING TO ASTM E-8 BY A DADE COUNTY APPROVED LAB SELECTED AND PAID BY THE MANUFACTURER. EVERY 3 MONTHS, 4 TIMES A YEAR, THE MANUFACTURER SHALL MAIL TO THIS OFFICE: A COPY OF THE TEST REPORTS WITH CONFIRMATION THAT THE SPECIMENS WERE SELECTED FROM COILS AT THE MANUFACTURER PRODUCTION FACILITIES. AND A NOTARIZED STATEMENT FROM THE MANUFACTURER THAT ONLY COILS WITH YIELD STRENGTH OF 34,600 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.

VERTICAL JAMB DESIGN LOADS
+378.0 LBS/FT
-414.0 LBS/FT

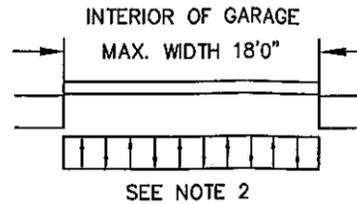
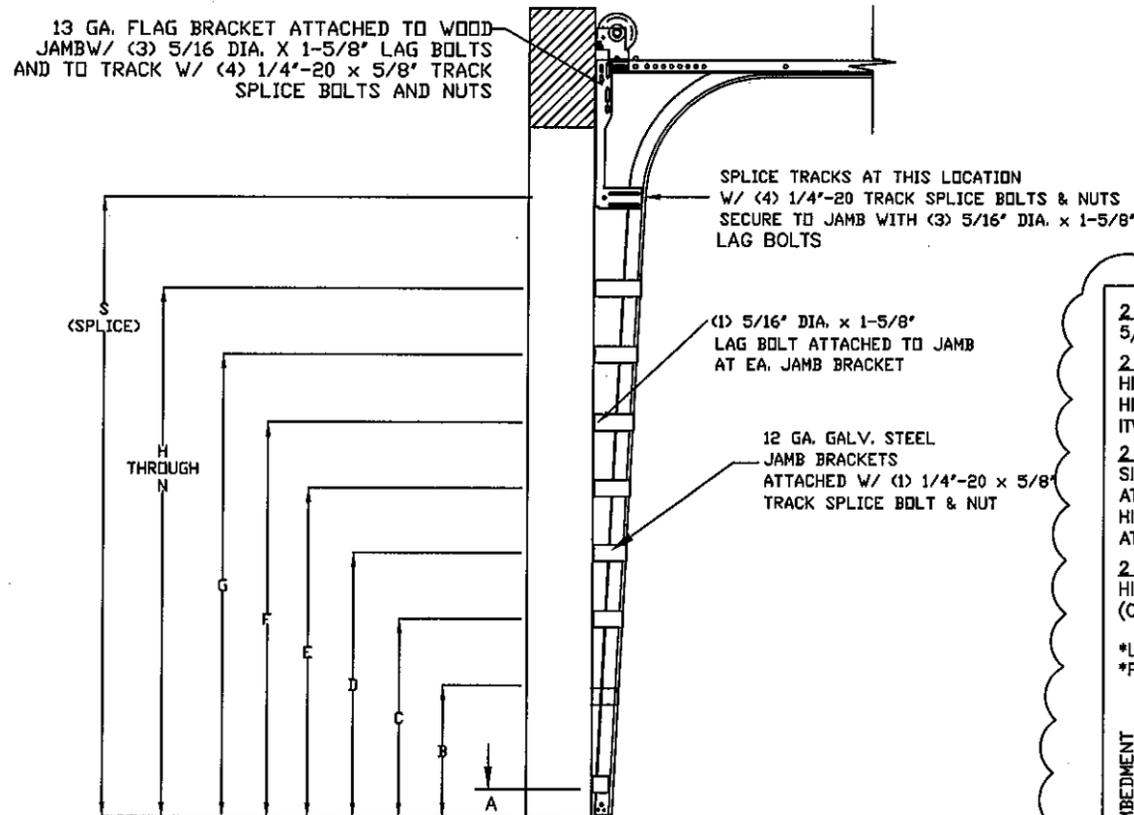


TABLE 1

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 NO. 2 OR BETTER ONLY



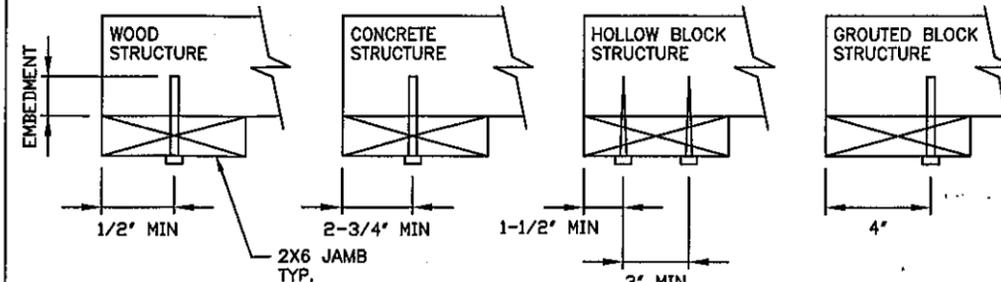
SEE (TABLE 1) FOR JAMB BRACKET SPACING

STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

- 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 12" 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 22" 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 12" 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.
*PREPARATION OF WOOD JAMBS BY OTHERS

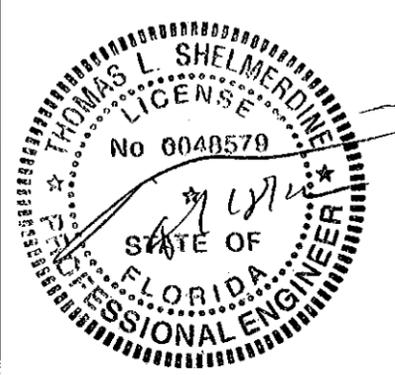


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0228.16
Expiration Date 02/24/2016
By *[Signature]*
Miami/Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	12/14/11	RLR

MAX SIZE
18' x 14'
DESIGN LOADS
+42.0 PSF
-46.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE



Amarr

165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM
MODEL #855 OAK SUMMIT SERIES 1000 & 2000
MODEL #950 HERITAGE SERIES 1000 & 2000
SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	DRC	DATE	DRAWING NUMBER
B	CHKD BY	BRJ	DATE 08/09/10	IRC-9518-165-26-G

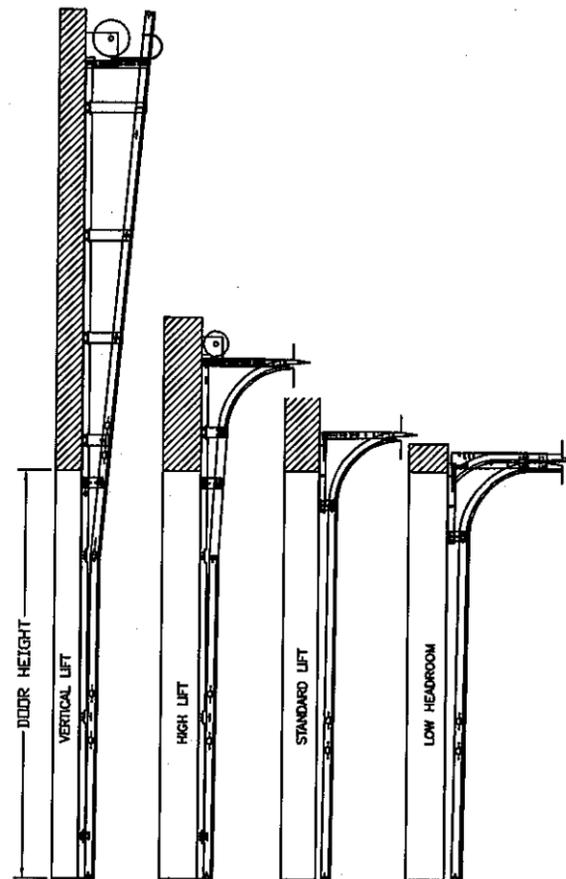
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 2 OF 3

TABLE 2

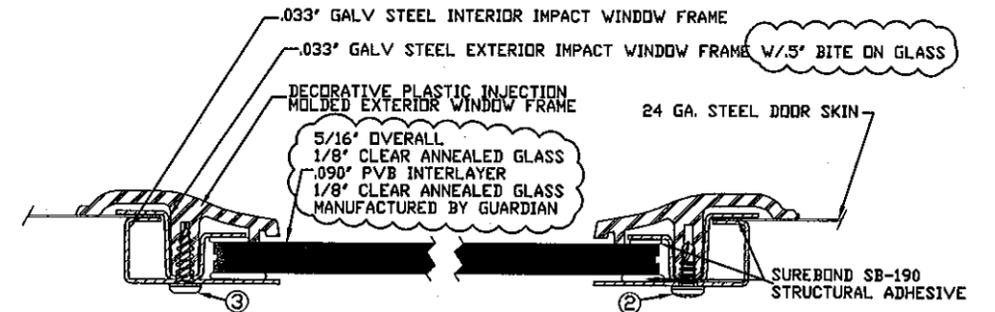
DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
6' 0"	18"	18"	18"	18"				
6' 6"	21"	18"	18"	21"				
7' 0"	21"	21"	21"	21"				
7' 6"	18"	18"	18"	18"	18"			
8' 0"	21"	18"	18"	18"	21"			
8' 6"	21"	21"	21"	18"	21"			
9' 0"	18"	18"	18"	18"	18"	18"		
9' 6"	21"	18"	18"	18"	18"	21"		
10' 0"	21"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

TABLE 3

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)										TOP
	A	B	C	D	E	F	G	H	I	T	
6' 6"	4 1/2"	7"	16"	34"	52"						70 1/2"
7"	4 1/2"	7"	16"	37"	58"						76 1/2"
7' 6"	4 1/2"	7"	13"	31"	49"	67"					82 1/2"
8"	4 1/2"	7"	16"	34"	52"	70"					88 1/2"
8' 6"	4 1/2"	7"	16"	37"	58"	76"					94 1/2"
9"	4 1/2"	7"	13"	31"	49"	67"	85"				100 1/2"
9' 6"	4 1/2"	7"	16"	34"	52"	70"	88"				106 1/2"
10"	4 1/2"	7"	16"	37"	58"	76"	94"				112 1/2"
10' 6"	4 1/2"	7"	16"	37"	58"	79"	100"				118 1/2"
11"	4 1/2"	7"	16"	34"	52"	70"	88"	106"			124 1/2"
11' 6"	4 1/2"	7"	16"	37"	58"	76"	94"	112"			130 1/2"
12"	4 1/2"	7"	16"	37"	58"	79"	100"	118"			136 1/2"
12' 6"	4 1/2"	7"	16"	34"	52"	70"	88"	106"	124"		142 1/2"
13"	4 1/2"	7"	16"	37"	58"	76"	94"	112"	130"		148 1/2"
13' 6"	4 1/2"	7"	16"	37"	58"	79"	100"	118"	136"		154 1/2"
14"	4 1/2"	7"	16"	37"	58"	79"	100"	121"	142"		160 1/2"



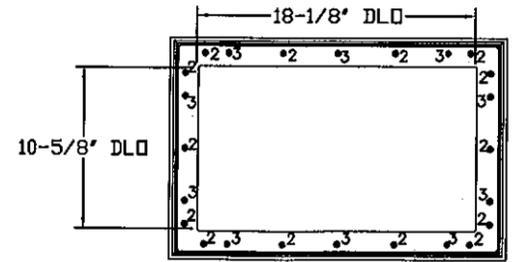
AVAILABLE TRACK CONFIGURATIONS
N.T.S.



2. 3/16" X 1/2" SCREW - USED TO FASTEN THE STEEL EXTERIOR IMPACT WINDOW FRAME TO THE STEEL INTERIOR IMPACT WINDOW FRAME.
3. 11/64" X 1/2" SCREW - USED TO FASTEN DECORATIVE PLASTIC MOLDED WINDOW FRAME TO THE ASSEMBLY

SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

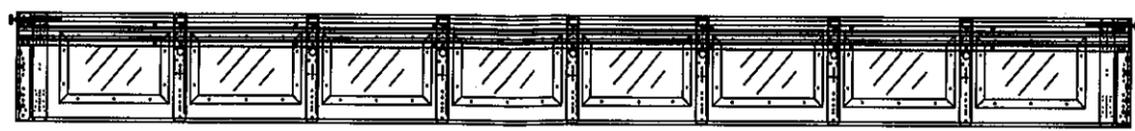
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0228-86
Expiration Date: 03/24/2016
By: *[Signature]*
Miami/Dade Product Control



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

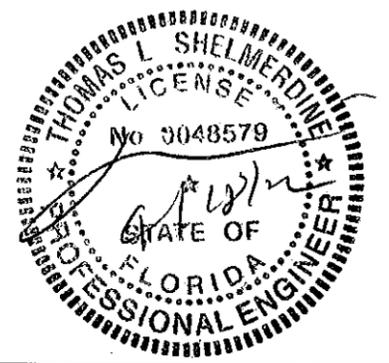


OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	12/14/11	RLR

MAX SIZE
18' x 14'
DESIGN LOADS
+42.0 PSF
-46.0 PSF
LARGE MISSILE
IMPACT
RESISTANCE



Amarr

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MODEL #855 OAK SUMMIT SERIES 1000 & 2000
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SHORT, LONG, FLUSH, AND OAK SUMMIT PANELS

SIZE	DRAWN BY	DRC	DATE	08/09/10	DRAWING NUMBER
B	CHECKED BY	BHJ	DATE	08/09/10	IRC-9518-165-26-G

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 3 OF 3