



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
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/pera/

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 1200 Heritage & Oak Summit 3000 Steel Sectional Garage Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. IRC-1216-175-26-I, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", Sheets 1 through 3 of 3, dated 05/08/2007, with revision B dated 12/05/2011, 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 and renews** NOA # 07-0706.03 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
04/23/2012

NOA No. 12-0228.02
Expiration Date: September 6, 2017
Approval Date: May 3, 2012
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-1216-175-26-I**, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", Sheets 1 through 3 of 3, dated 05/08/2007, with revision B dated 12/05/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS

1. 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 # **A7420.01-106-18**, dated 04/12/2011, signed and sealed by Joseph A. Reed, P.E.
2. Test report on Forced Entry Test per FBC, TAS 202-94, prepared by American Test Lab, Inc., Test Report # **ATLNC 0912.01-11**, dated 10/13/2011, signed and sealed by David W. Johnson, P.E. "*Submitted under NOA # 12-0228.09*"

"Submitted under NOA # 07-0706.03"

3. Test report on Large Missile Impact Test per FBC TAS 201, Uniform Static Air Pressure Test per FBC TAS 202 and Cyclic Wind Pressure Test per FBC TAS 203 for a 16' x 7' sectional steel garage door, prepared by American Test Lab, Inc., Test Report # **ATLNC 0501.01-07**, dated 06/06/2007, signed and sealed by David W. Johnson, P.E.
4. Test report on Tensile Test for 3 Samples per ASTM E 8, prepared by Hurricane Engineering & Testing Inc., Test Report # **HETI-07-T709**, dated 05/30/2007, signed and sealed by Candido F. Font, 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

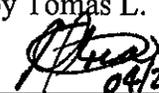
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

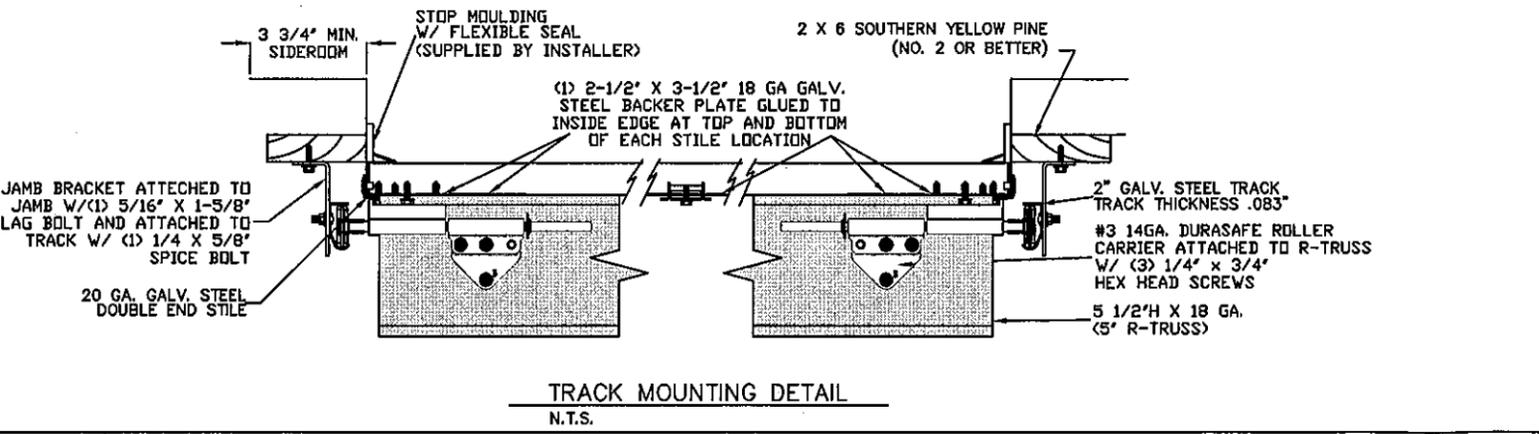
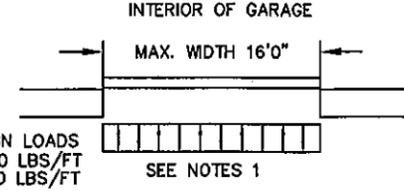
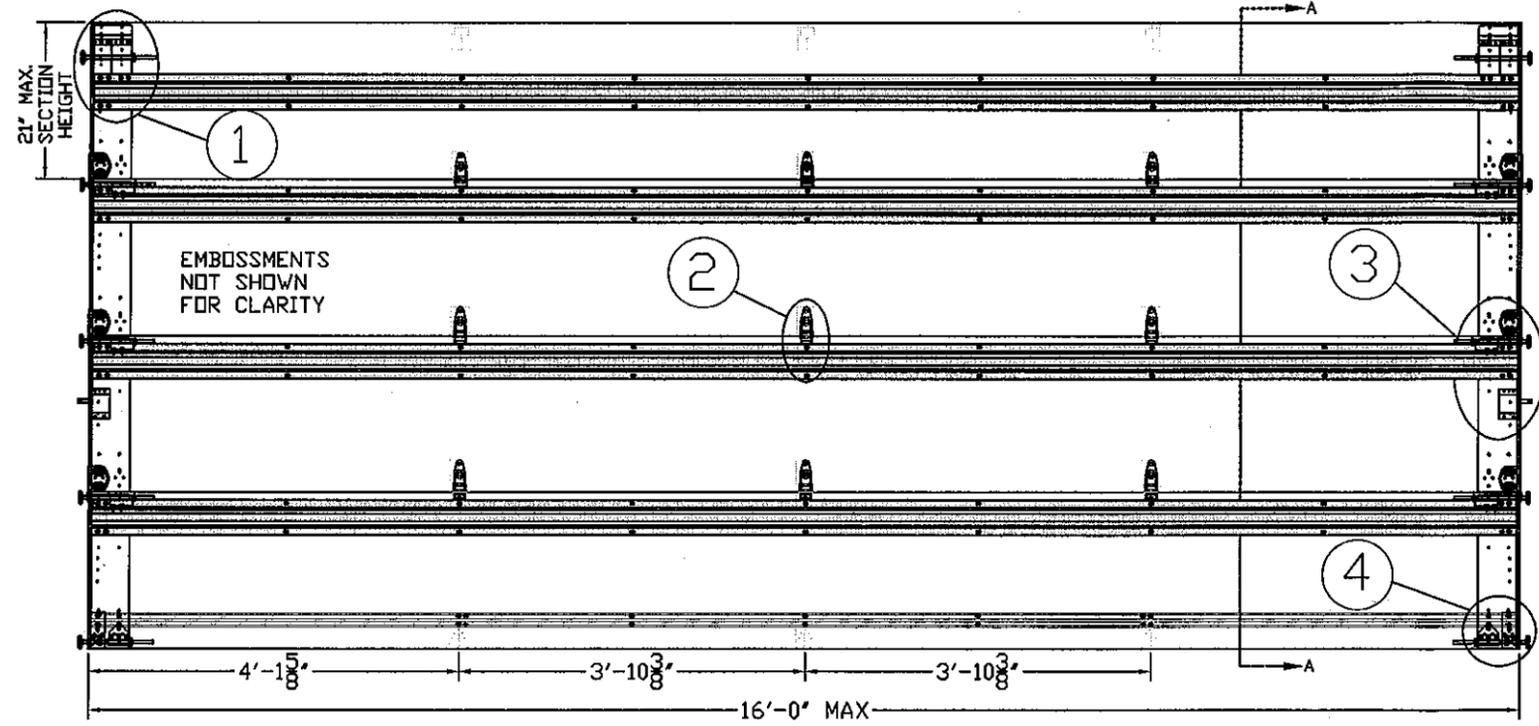
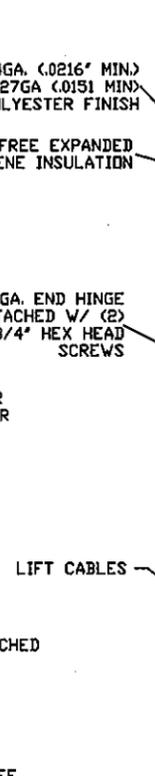
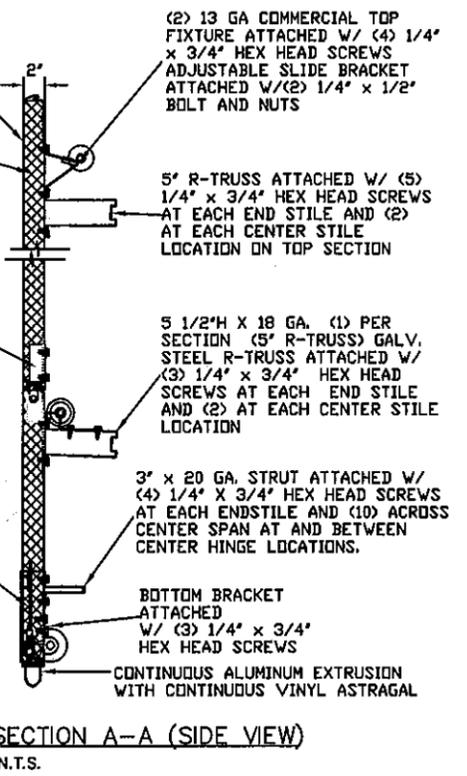
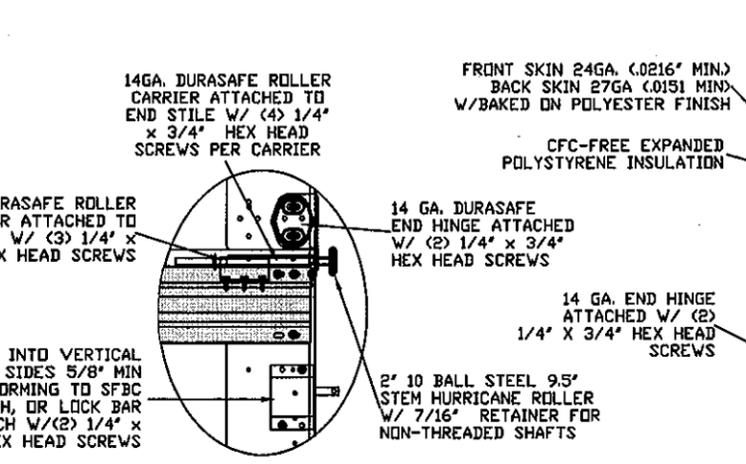
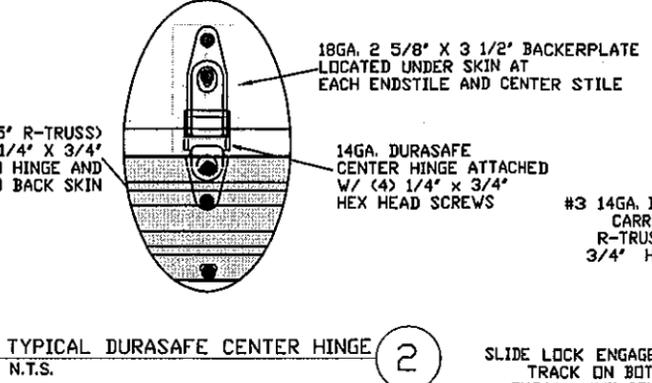
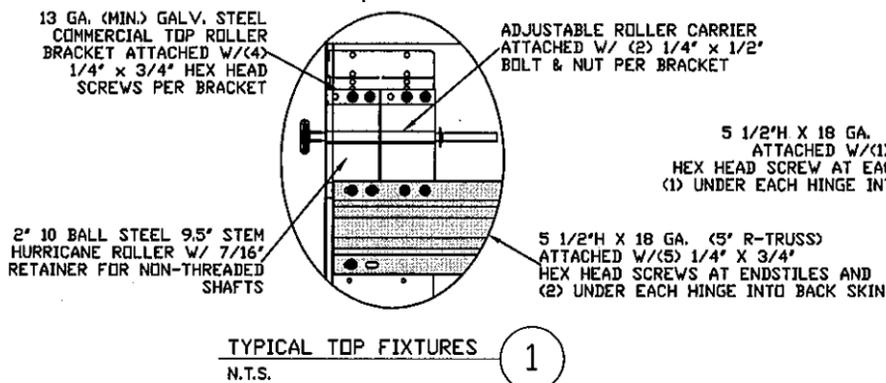
1. Test report on Surface Burning Characteristics on the expanded polystyrene UL file # R11812.

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 Tomas L. Shelmerdine, P.E.


04/23/2012

Carlos M. Ufrera, P.E.
Product Control Examiner
NOA No. 12-0228.02
Expiration Date: September 6, 2017
Approval Date: May 3, 2012



LARGE MISSILE IMPACT RESISTANT

- SPECIFICATIONS AND NOTES**
- 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.
 - EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +384.0 LBS/FT & -416.0 LBS/FT
 - DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 - DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
 - DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5.5" R-TRUSS PER SECTION AND (1) 3" 20GA STRUT ON BTM. SECTION
 - DOORS OVER (4) SECTIONS REFER TO TABLE 1
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
 - 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 32,500 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0228.02
Expiration Date 09/06/2017
By *Thomas L. Shilmerdine*
Miami/Deade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE 8	1/7/09	CBT
B	UPDATED TO FBC 2010	02/08/09	PLR

MAX SIZE 16' x 14'	
SIZES SUBJECT TO WEIGHT LIMITATIONS	
DESIGN LOADS +48.0 PSF -52.0 PSF	
LARGE MISSILE IMPACT RESISTANCE	

Amarr

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

MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	SKW	DATE	5/08/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	5/08/07	IRC-1216-175-26-1

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

WOOD JAMB ATTACHMENT TO STRUCTURE

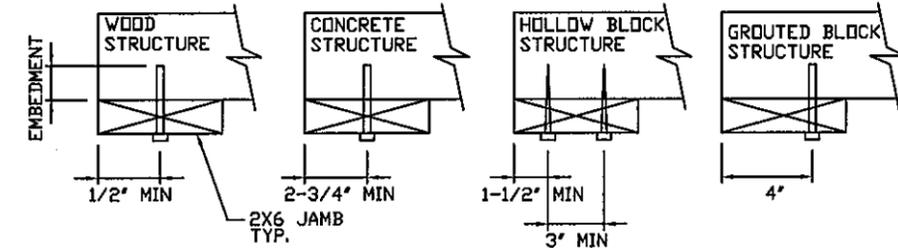
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2" EMBEDMENT)

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 20" 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

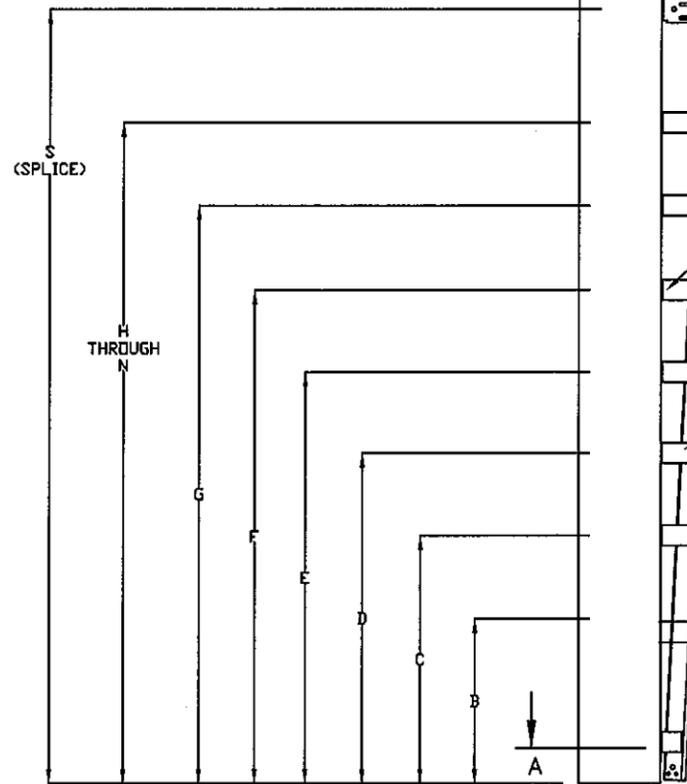


13 GA. FLAG BRACKET ATTACHED TO WOOD JAMB W/ (3) 5/16" DIA. X 1-5/8" LAG BOLTS AND TO TRACK W/ (4) 1/4"-20 X 5/8" TRACK SPLICE BOLTS AND NUTS

SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16" DIA. X 1-5/8" LAG BOLTS

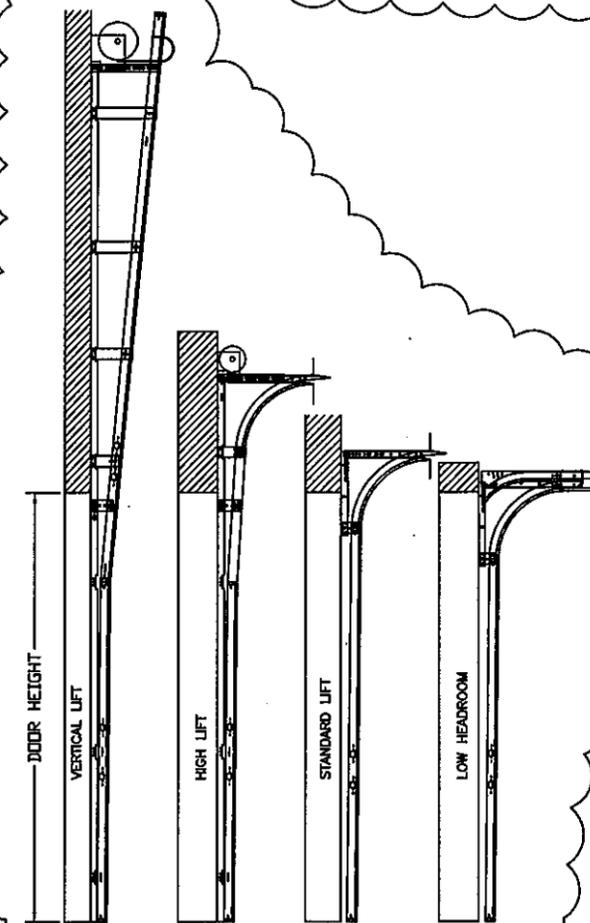
(1) 5/16" DIA. X 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4"-20 X 5/8" TRACK SPLICE BOLT & NUT



SEE (TABLE 2) FOR JAMB BRACKET SPACING

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

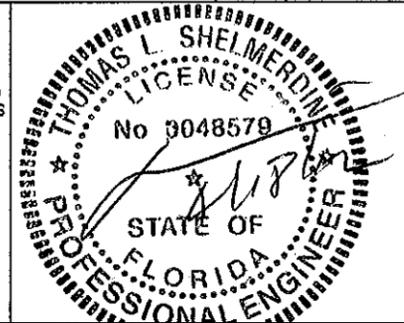


AVAILABLE TRACK CONFIGURATIONS
 N.T.S.

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 12-0228-02
 Expiration Date 09/06/2017
 By *[Signature]*
 Miami/Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE 8	1/7/09	CBT
B	UPDATED TO FBC 2010	12/5/11	RLR

MAX SIZE 16' x 14'
 SIZES SUBJECT TO WEIGHT LIMITATIONS
 DESIGN LOADS +48.0 PSF -52.0 PSF
 LARGE MISSILE IMPACT RESISTANCE



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MODEL #1200 HERITAGE 3000
 MODEL #1200 OAK SUMMIT 3000
 SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	SKW	DATE	5/08/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	5/08/07	IRC-1216-175-26-1
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579					SHEET 2 OF 3

TABLE 1

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 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)	
		1st (in)	2st (in)
09' 2	Short	55.00	
09' 2	Long	55.00	
09' 2	Oak Summit	55.00	
09' 4	Short	56.00	
09' 4	Long	56.00	
09' 4	Oak Summit	56.00	
09' 6	Short	57.00	
09' 6	Long	57.00	
09' 6	Oak Summit	57.00	
09' 8	Short	58.00	
09' 8	Long	58.00	
09' 8	Oak Summit	58.00	
09' 10	Short	59.00	
09' 10	Long	59.00	
09' 10	Oak Summit	59.00	
10' 0	Short	48.41	71.59
10' 0	Long	60.00	
10' 0	Oak Summit	60.00	
10' 2	Short	49.32	72.68
10' 2	Long	61.00	
10' 2	Oak Summit	61.00	
10' 4	Short	50.32	73.68
10' 4	Long	62.00	
10' 4	Oak Summit	62.00	
10' 6	Short	50.84	75.17
10' 6	Long	63.00	
10' 6	Oak Summit	63.00	
10' 8	Short	51.84	76.17
10' 8	Long	64.00	
10' 8	Oak Summit	64.00	
10' 10	Short	52.50	77.50
11' 0	Short	53.50	78.50
11' 0	Long	44.41	87.59
11' 2	Short	54.20	79.80
11' 2	Long	45.30	88.70
11' 4	Short	55.20	80.80
11' 4	Long	46.30	89.70
11' 6	Short	56.20	81.80
11' 6	Long	47.30	90.70
11' 8	Short	57.20	82.80
11' 8	Long	47.63	92.38
11' 10	Short	47.81	94.19
11' 10	Long	48.30	93.70
12' 0	Short	48.81	95.19
12' 0	Long	49.63	94.38
12' 0	Oak Summit	48.31	95.69
12' 2	Short	49.64	96.36
12' 2	Long	50.08	95.92
12' 2	Oak Summit	49.06	96.94
12' 4	Short	50.64	97.36
12' 4	Long	51.08	96.92
12' 4	Oak Summit	49.81	98.19
12' 6	Short	50.67	99.33
12' 6	Long	51.17	98.83
12' 6	Oak Summit	50.56	99.44

Section	Panel Type	Center Stile Locations			
		1st (in)	2st (in)	3rd (in)	4th (in)
12' 8	Short	51.67	100.33		
12' 8	Long	52.10	99.90		
12' 8	Oak Summit	51.31	100.69		
12' 10	Short	52.25	101.75		
12' 10	Long	53.10	100.90		
12' 10	Oak Summit	52.06	101.94		
13' 0	Short	53.00	103.00		
13' 0	Long	54.10	101.90		
13' 0	Oak Summit	52.81	103.19		
13' 2	Short	54.00	104.00		
13' 2	Long	55.10	102.90		
13' 2	Oak Summit	53.56	104.44		
13' 4	Short	54.40	105.60		
13' 4	Long	54.90	105.10		
13' 4	Oak Summit	54.31	105.69		
13' 6	Short	55.40	106.60		
13' 6	Long	55.90	106.10		
13' 6	Oak Summit	55.06	106.94		
13' 8	Short	56.40	107.60		
13' 8	Long	56.63	107.38		
13' 8	Oak Summit	55.81	108.19		
13' 10	Short	57.16	82.94	108.71	
13' 10	Long	57.17	108.83		
13' 10	Oak Summit	56.56	109.44		
14' 0	Short	57.76	83.94	110.11	
14' 0	Long	58.63	109.38		
14' 0	Oak Summit	57.31	110.69		
14' 2	Short	58.85	84.94	111.41	
14' 2	Long	59.17	110.83		
14' 2	Oak Summit	58.06	111.94		
14' 4	Short	59.16	85.94	112.71	
14' 4	Long	60.17	111.83		
14' 4	Oak Summit	58.81	113.19		
14' 6	Short	59.86	86.94	114.01	
14' 6	Long	61.17	112.83		
14' 6	Oak Summit	59.56	114.44		
14' 8	Short	60.56	87.94	115.31	
14' 8	Long	44.81	88.00	131.19	
14' 10	Short	61.26	88.94	116.61	
14' 10	Long	45.60	89.00	132.40	
15' 0	Short	61.94	89.94	117.94	
15' 0	Long	46.60	90.00	133.40	
15' 2	Short	62.66	90.94	119.21	
15' 2	Long	47.60	91.00	134.40	
15' 4	Short	53.60	79.20	104.80	130.40
15' 4	Long	47.25	92.00	136.75	
15' 6	Short	46.62	93.00	139.38	
15' 6	Long	47.60	93.00	138.40	
15' 6	Oak Summit	47.42	93.00	138.58	
15' 8	Short	47.62	94.00	140.38	
15' 8	Long	48.60	94.00	139.40	
15' 8	Oak Summit	48.02	94.00	139.98	
15' 10	Short	48.62	95.00	141.38	
15' 10	Long	49.17	95.00	140.83	
15' 10	Oak Summit	48.62	95.00	141.38	
16' 0	Short	49.62	96.00	142.38	
16' 0	Long	50.60	96.00	141.40	
16' 0	Oak Summit	48.42	96.00	143.58	

TABLE 2

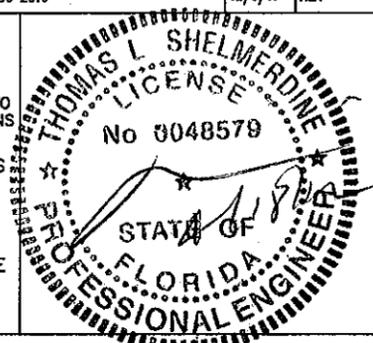
DOOR HEIGHT	TRACK ATTACHMENT														SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		
6' 6"	3"	14"	27"	38"	46"	56"	64"									70"
7'	3"	14"	27"	38"	46"	56"	68"									76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"								82"
8'	3"	14"	27"	38"	46"	56"	68"	78"								88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"							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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0228-02
Expiration Date 09/06/2017
By *[Signature]*
Midwest Duct Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	REVISED NOTE B	1/7/09	CBT
B	UPDATED TO FBC 2010	12/5/11	RLR

MAX SIZE
16' x 14'
SIZES SUBJECT TO
WEIGHT LIMITATIONS
DESIGN LOADS
+48.0 PSF
-52.0 PSF
LARGE MISSILE
IMPACT
RESISTANCE



Amarr

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MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	SKW	DATE	5/08/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	5/08/07	IRC-1216-175-26-1

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