



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 1200 WeatherGuard Plus & Heritage 3000 Steel Sectional Garage Doors up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. **SFC-590-010**, titled "Model #1200 WeatherGuard Plus w/ DuraSafe & Heritage 3000 Short, Long, Flush, Ribbed and Oak Summit Panels", Sheets 1 through 3 of 3, dated 06/21/2001, with revision D dated 07/25/2011, 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 # 09-0604.02** 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. 12-0228.09
Expiration Date: May 16, 2017
Approval Date: May 3, 2012
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SFC-590-010**, titled "Model #1200 WeatherGuard Plus w/ DuraSafe & Heritage 3000 Short, Long, Flush, Ribbed and Oak Summit Panels", Sheets 1 through 3 of 3, dated 06/21/2001, with revision D dated 07/25/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS

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 marked-up drawings and installation diagram of Amarr 16'x 7', 24 ga. steel garage door Model 1200 Heritage 3000, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0912.01-11**, dated 10/13/2011, signed and sealed by David W. Johnson, P.E.

2. 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.

C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 01/25/2012, 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

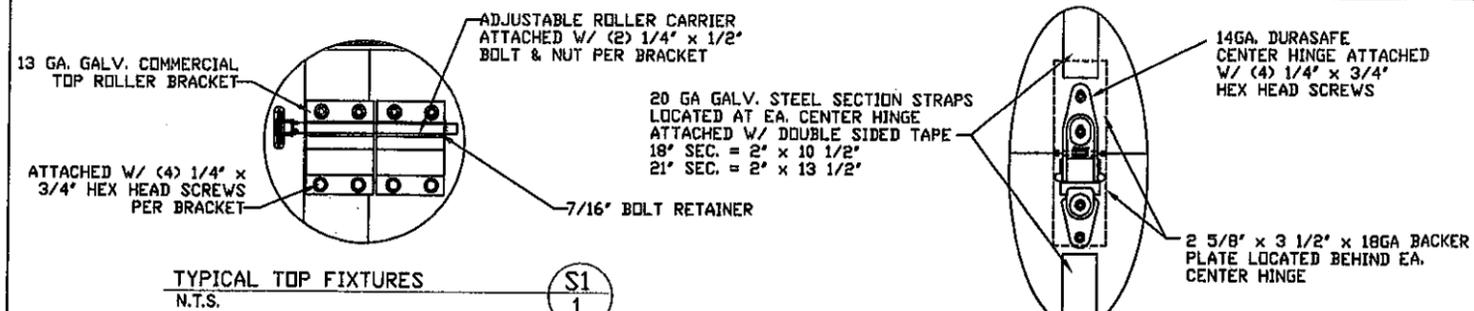
1. Test report on Surface Burning Characteristics on the expanded polystyrene UL file # R11812.

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.


04/24/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0228.09
Expiration Date: May 16, 2017
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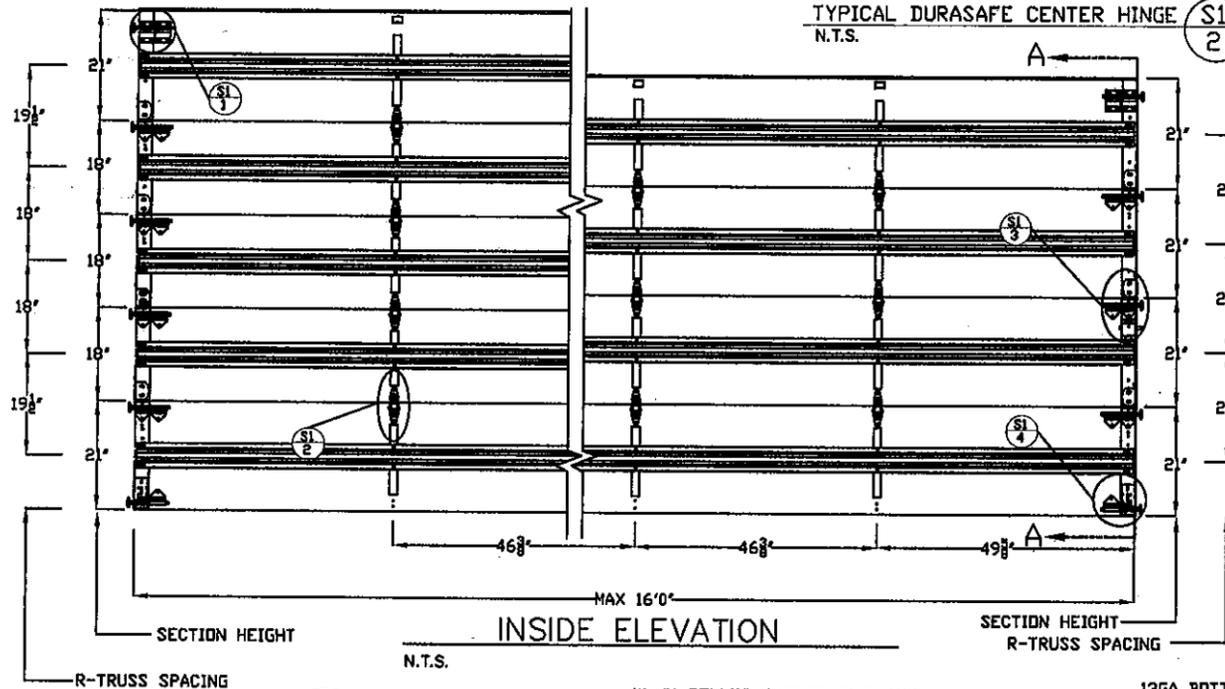


TYPICAL TOP FIXTURES
N.T.S.

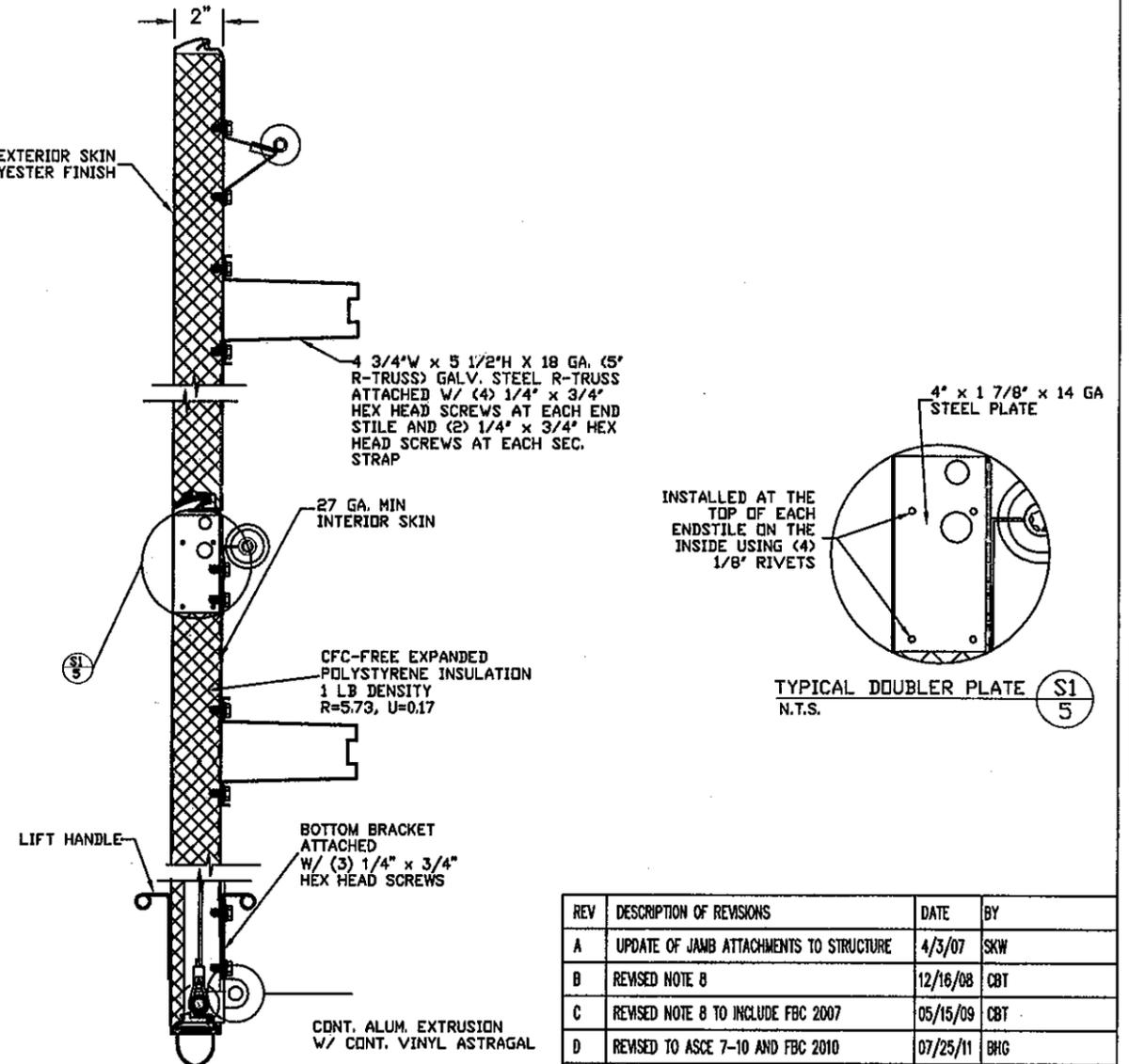
S1
1

TYPICAL DURASAFE CENTER HINGE
N.T.S.

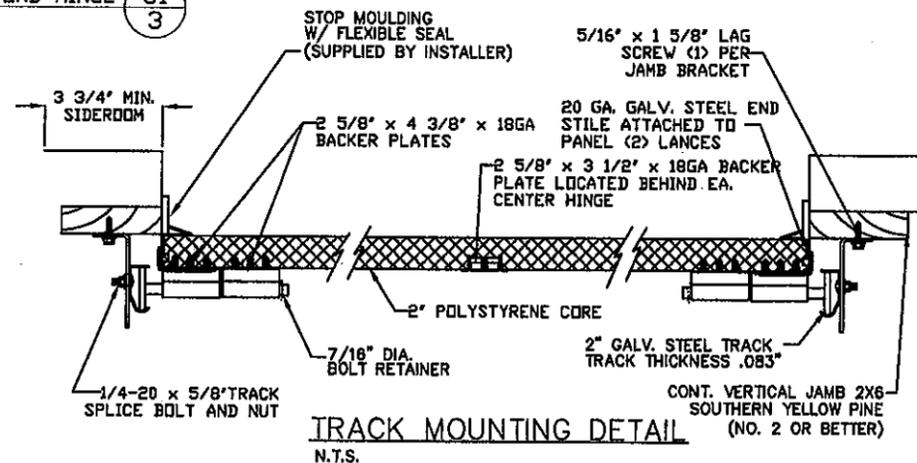
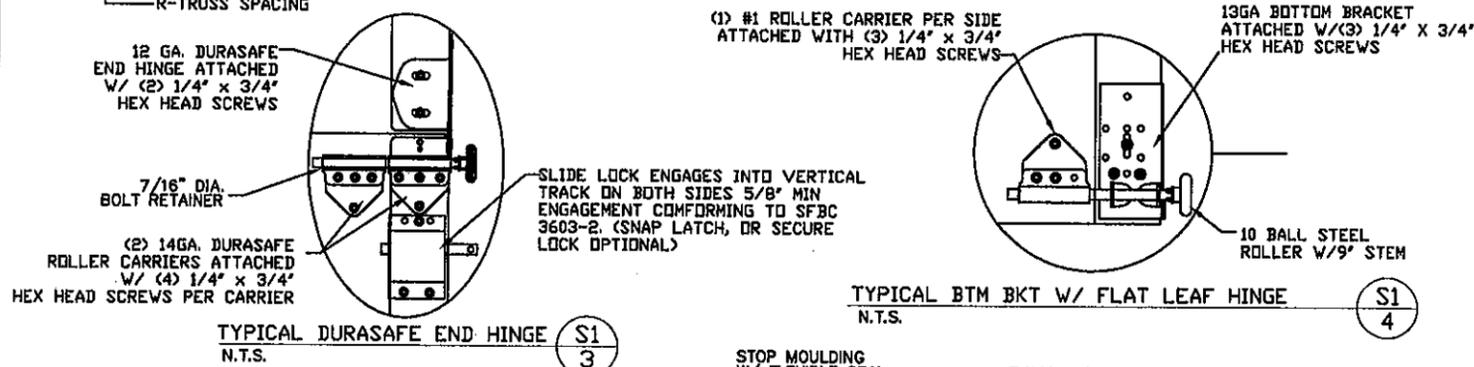
S1
2



24 GA. MIN EXTERIOR SKIN W/BAKED ON POLYESTER FINISH



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



LARGE MISSILE
IMPACT RATED

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0228-09
Expiration Date 05/16/2017
By *[Signature]*
Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATE OF JAMB ATTACHMENTS TO STRUCTURE	4/3/07	SKW
B	REVISED NOTE 8	12/16/08	CBT
C	REVISED NOTE 8 TO INCLUDE FBC 2007	05/15/09	CBT
D	REVISED TO ASCE 7-10 AND FBC 2010	07/25/11	BHG

MAX SIZE
16' x 14'

DESIGN LOADS
+46.0 PSF
-56.0 PSF

LARGE MISSILE
IMPACT RATED

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

Amarr

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

MODEL #1200 WeatherGuard Plus w/DuraSafe Heritage 3000 Short, Long, Flush, Ribbed, and Oak Summit Panels

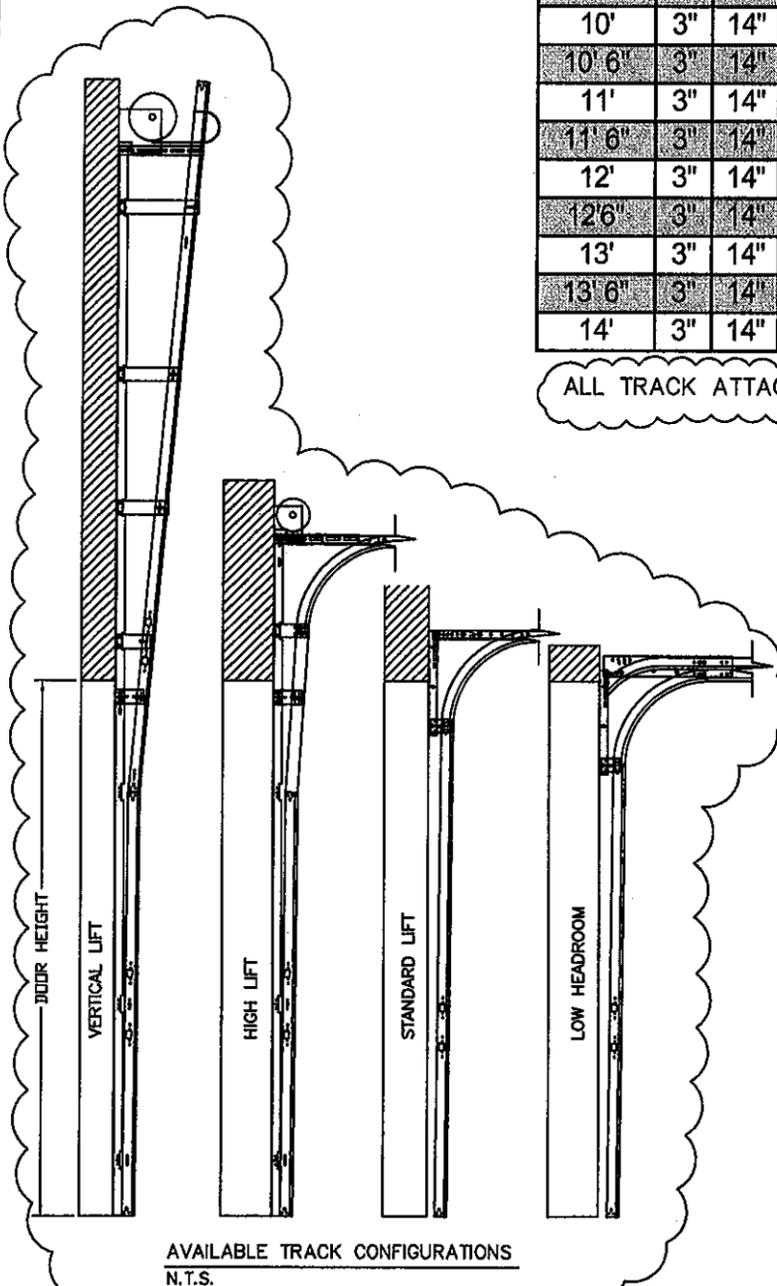
SIZE	DRAWN BY	DLJ	DATE	06/21/01	DRAWING NUMBER
B	CHECKED BY		DATE		SFC-590-010

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

JAMB BRACKET LOCATIONS

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"	120"				124"
11'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"	130"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"	132"			136"
12'6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"	142"		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"

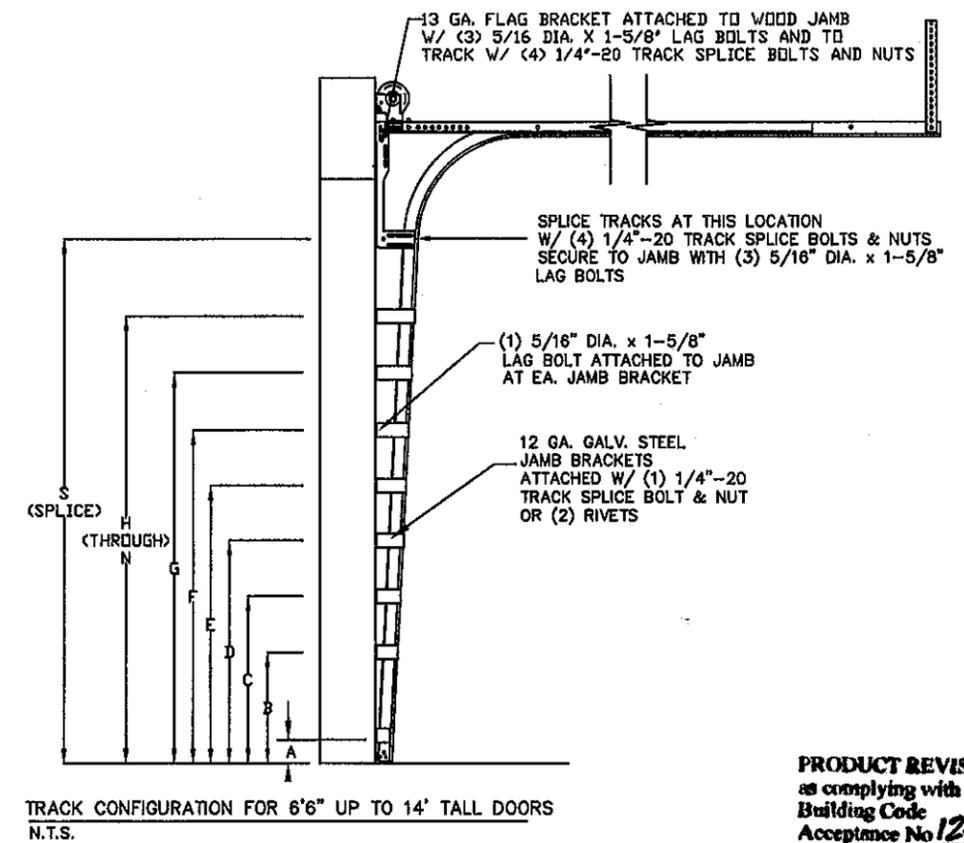
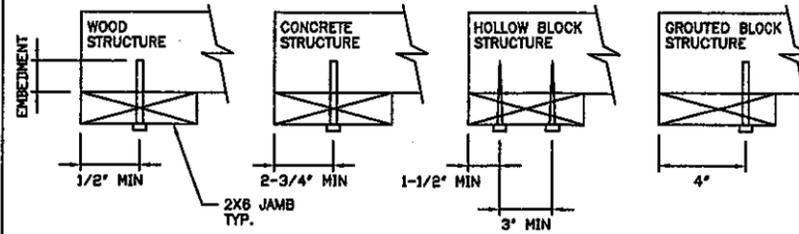
ALL TRACK ATTACHMENT SPACING +/-1" ALLOWED WITH SYP NO. 2 OR BETTER ONLY



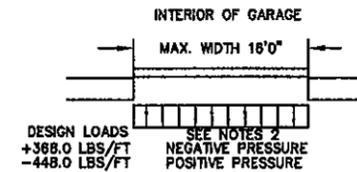
WOOD JAMB ATTACHMENT TO STRUCTURE

- 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 12-0228-09
Expiration Date 05/16/2017
By [Signature]
Miami Dade Product Control



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: +388.0 LBS/FT & -448.0 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
- DOOR SECTIONS SHALL BE 27 GA. (.016) MIN. INTERIOR AND 24 GA. (.022) MIN. EXTERIOR ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5" R-TRUSS PER SECTION
- DOORS TALLER THAN 7'0" HIGH SHALL HAVE SECTIONS NOT GREATER THAN 21" WIDE AND USE (1) 5" R-TRUSS PER SECTION
- 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 32,000 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATE OF JAMB ATTACHMENTS TO STRUCTURE	4/3/07	SKW
B	REVISED NOTE B	12/16/08	CBT
C	REVISED NOTE B TO INCLUDE FBC 2007	05/15/09	CBT
D	REVISED TO ASCE 7-10 AND FBC 2010	07/25/11	BHG

MAX SIZE
16' x 14'

DESIGN LOADS
+46.0 PSF
-56.0 PSF
LARGE MISSILE
IMPACT RATED

Amarr

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

MODEL #1200 WeatherGuard Plus w/DuraSafe
Heritage 3000 Short, Long, Flush, Ribbed,
and Oak Summit Panels

SIZE	DRAWN BY	DLJ	DATE	06/21/01	DRAWING NUMBER
B	CHECKED BY		DATE		SFC-590-010

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

TABLE 1

Section			Panel Type	Center Stile Locations (Measured from Left Edge)	
Width (ft)	Width (in)	Height(s) (in)		1st (in)	2nd (in)
92	110	18 & 21	Short	55.000	
92	110	18 & 21	Long	55.000	
92	110	18 & 21	Oksumit	55.000	
94	112	18 & 21	Short	56.000	
94	112	18 & 21	Long	56.000	
94	112	18 & 21	Oksumit	56.000	
96	114	18 & 21	Short	57.000	
96	114	18 & 21	Long	57.000	
96	114	18 & 21	Oksumit	57.000	
98	116	18 & 21	Short	58.000	
98	116	18 & 21	Long	58.000	
98	116	18 & 21	Oksumit	58.000	
910	118	18 & 21	Short	59.000	
910	118	18 & 21	Long	59.000	
910	118	18 & 21	Oksumit	59.000	
100	120	18 & 21	Short	48.406	71.594
100	120	18 & 21	Long	60.000	
100	120	18 & 21	Oksumit	60.000	
102	122	18 & 21	Short	49.318	72.682
102	122	18 & 21	Long	61.000	
102	122	18 & 21	Oksumit	61.000	
104	124	18 & 21	Short	50.318	73.682
104	124	18 & 21	Long	62.000	
104	124	18 & 21	Oksumit	62.000	
106	126	18 & 21	Short	50.835	75.165
106	126	18 & 21	Long	63.000	
106	126	18 & 21	Oksumit	63.000	
108	128	18 & 21	Short	51.835	76.165
108	128	18 & 21	Long	64.000	
108	128	18 & 21	Oksumit	64.000	
1010	130	18 & 21	Short	52.500	77.500
1010	130	18 & 21	Long	65.000	
1010	130	18 & 21	Oksumit	65.000	
110	132	18 & 21	Short	53.500	78.500
110	132	18 & 21	Long	44.406	87.594
112	134	18 & 21	Short	54.200	79.800
112	134	18 & 21	Long	45.300	88.700
114	136	18 & 21	Short	55.200	80.800
114	136	18 & 21	Long	46.300	89.700
116	138	18 & 21	Short	56.200	81.800
116	138	18 & 21	Long	47.300	90.700
118	140	18 & 21	Short	57.200	82.800
118	140	18 & 21	Long	47.625	92.375
1110	142	18 & 21	Short	47.812	94.188
1110	142	18 & 21	Long	48.300	93.700
120	144	18 & 21	Short	48.812	95.188
120	144	18 & 21	Long	49.625	94.375
120	144	18 & 21	Oksumit	48.812	95.188
122	146	18 & 21	Short	49.636	96.364
122	146	18 & 21	Long	50.084	95.916
122	146	18 & 21	Oksumit	50.084	95.916
124	148	18 & 21	Short	50.636	97.364
124	148	18 & 21	Long	51.084	96.916
124	148	18 & 21	Oksumit	51.084	96.916
126	150	18 & 21	Short	50.670	99.330
126	150	18 & 21	Long	51.170	98.830
126	150	18 & 21	Oksumit	51.170	98.830

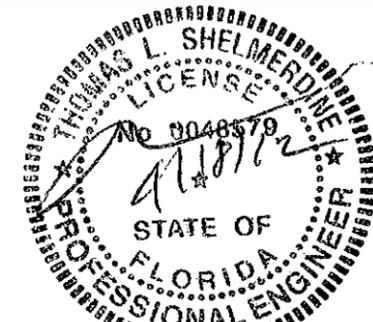
Section			Panel Type	Center Stile Locations (Measured from Left Edge)			
Width (ft)	Width (in)	Height(s) (in)		1st (in)	2nd (in)	3rd (in)	4th (in)
128	152	18 & 21	Short	51.670	100.330		
128	152	18 & 21	Long	52.100	99.900		
128	152	18 & 21	Oksumit	52.100	99.900		
1210	154	18 & 21	Short	52.250	101.750		
1210	154	18 & 21	Long	53.100	100.900		
1210	154	18 & 21	Oksumit	53.100	100.900		
130	156	18 & 21	Short	53.000	103.000		
130	156	18 & 21	Long	54.100	101.900		
130	156	18 & 21	Oksumit	54.100	101.900		
132	158	18 & 21	Short	54.000	104.000		
132	158	18 & 21	Long	55.100	102.800		
132	158	18 & 21	Oksumit	55.100	102.800		
134	160	18 & 21	Short	54.400	105.600		
134	160	18 & 21	Long	54.900	105.100		
134	160	18 & 21	Oksumit	54.900	105.100		
136	162	18 & 21	Short	55.400	106.600		
136	162	18 & 21	Long	55.900	106.100		
136	162	18 & 21	Oksumit	55.900	106.100		
138	164	18 & 21	Short	56.400	107.600		
138	164	18 & 21	Long	56.625	107.375		
138	164	18 & 21	Oksumit	56.625	107.375		
1310	166	18 & 21	Short	57.163	82.938	108.713	
1310	166	18 & 21	Long	57.170	108.830		
1310	166	18 & 21	Oksumit	57.170	108.830		
140	168	18 & 21	Short	57.763	83.938	110.113	
140	168	18 & 21	Long	58.625	109.375		
140	168	18 & 21	Oksumit	58.625	109.375		
142	170	18 & 21	Short	58.846	84.938	111.413	
142	170	18 & 21	Long	59.170	110.830		
142	170	18 & 21	Oksumit	59.170	110.830		
144	172	18 & 21	Short	59.163	85.938	112.713	
144	172	18 & 21	Long	60.170	111.830		
144	172	18 & 21	Oksumit	60.170	111.830		
146	174	18 & 21	Short	59.863	86.938	114.013	
146	174	18 & 21	Long	61.170	112.830		
146	174	18 & 21	Oksumit	61.170	112.830		
148	176	18 & 21	Short	60.563	87.938	115.313	
148	176	18 & 21	Long	44.812	88.000	131.188	
1410	178	18 & 21	Short	61.263	88.938	116.613	
1410	178	18 & 21	Long	45.600	89.000	132.400	
150	180	18 & 21	Short	61.938	89.938	117.938	
150	180	18 & 21	Long	46.600	90.000	133.400	
152	182	18 & 21	Short	62.663	90.938	119.213	
152	182	18 & 21	Long	47.600	91.000	134.400	
154	184	18 & 21	Short	53.600	79.200	104.800	130.400
154	184	18 & 21	Long	47.250	92.000	136.750	
156	186	18 & 21	Short	46.624	93.000	139.376	
156	186	18 & 21	Long	47.600	93.000	138.400	
156	186	18 & 21	Oksumit	47.600	93.000	138.400	
158	188	18 & 21	Short	47.624	94.000	140.376	
158	188	18 & 21	Long	48.600	94.000	139.400	
158	188	18 & 21	Oksumit	48.600	94.000	139.400	
1510	190	18 & 21	Short	48.624	95.000	141.376	
1510	190	18 & 21	Long	49.167	95.000	140.833	
1510	190	18 & 21	Oksumit	49.167	95.000	140.833	
160	192	18 & 21	Short	49.624	96.000	142.376	
160	192	18 & 21	Long	50.600	96.000	141.400	
160	192	18 & 21	Oksumit	50.600	96.000	141.400	

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 as complying with the Florida
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-56.0 PSF
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ENGINEER: THOMAS L. SHELMEARDINE P.E. LIC. No. 0048579 SHEET 3 OF 3