



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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
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 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 500 Classica 1000, 2000 Steel Sectional Garage Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. IRC-5316-169-26-I, titled "Model #500 Classica 1000 & 2000", sheets 1 through 3 of 3, dated 10/13/2010, with revision A dated 12/13/2011, 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 # 12-0228.15 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.



Handwritten signature and date: 07/08/2015

NOA No. 15-0505.08
 Expiration Date: March 10, 2016
 Approval Date: July 16, 2015
 Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 12-0228.15”

1. Drawing No. IRC-5316-169-26-I, titled “Model #500 Classica 1000 & 2000”, sheets 1 through 3 of 3, dated 10/13/2010, with revision A dated 12/13/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS “Submitted under NOA # 10-1222.01”

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 1004.01-10R, dated 12/09/2010, 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 “Submitted under NOA # 12-0228.15”

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 Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

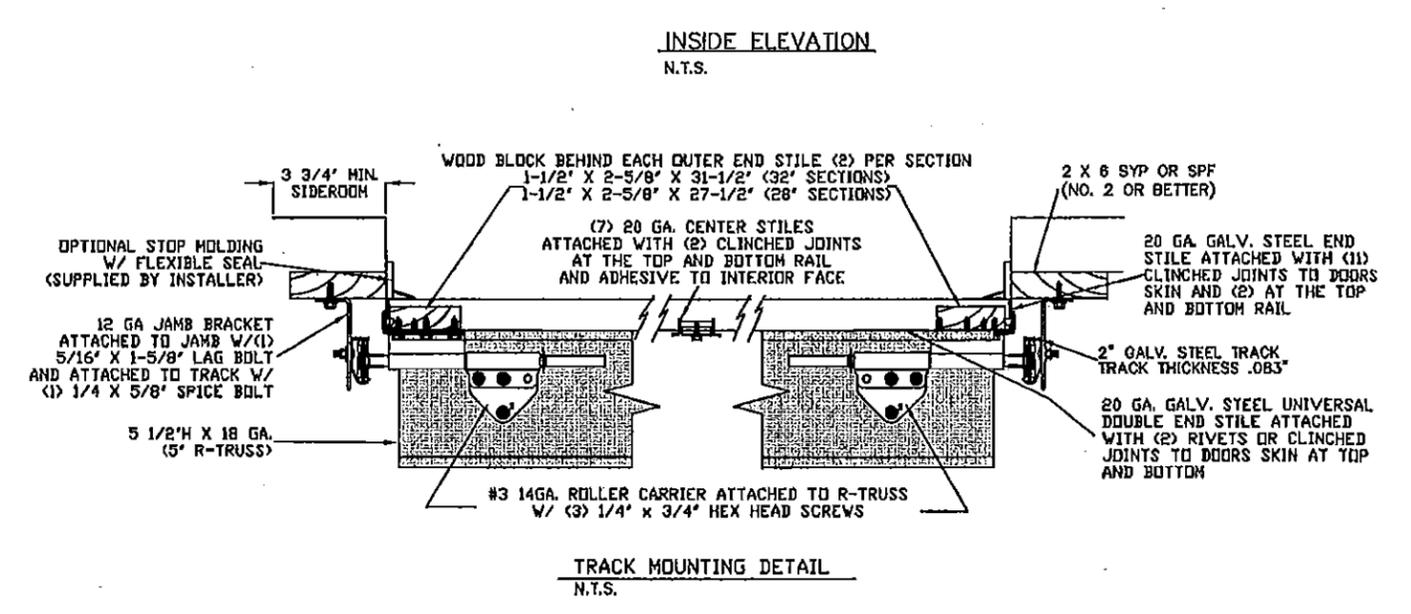
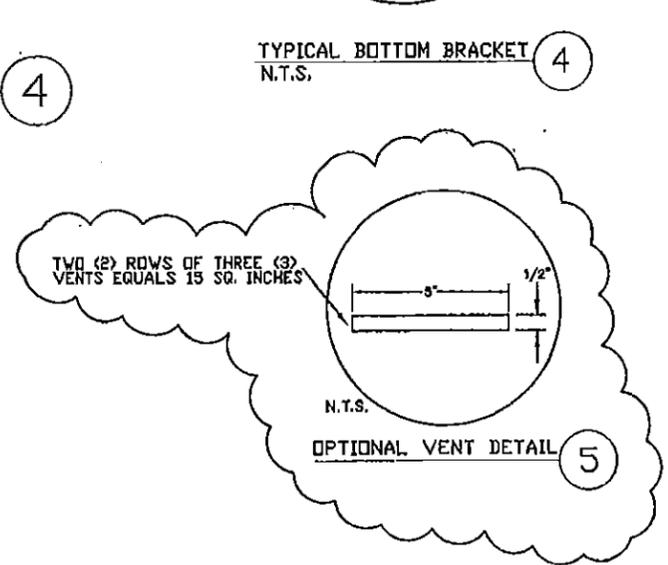
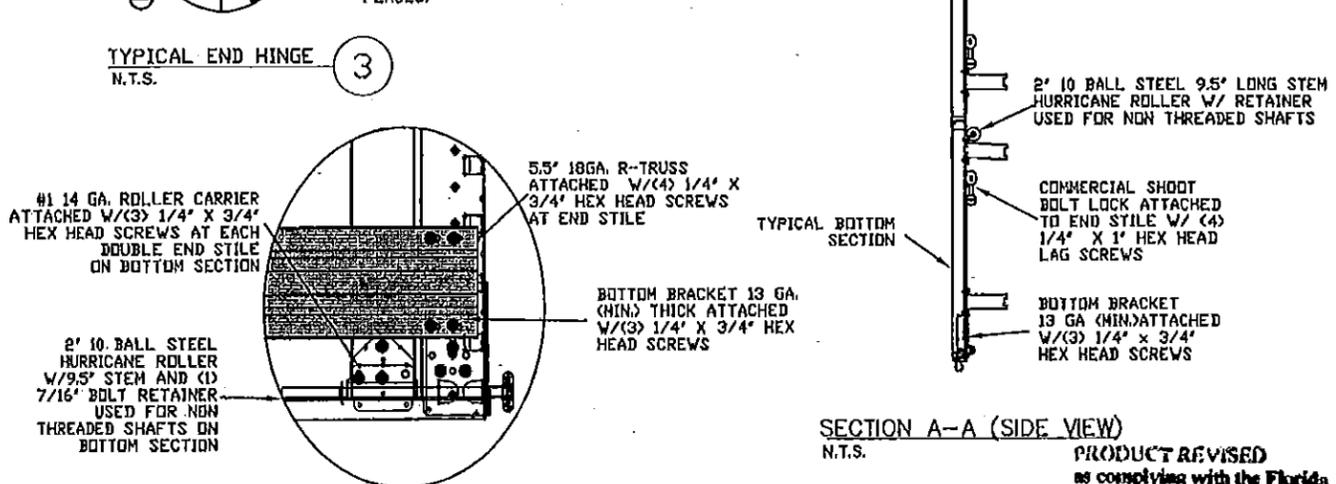
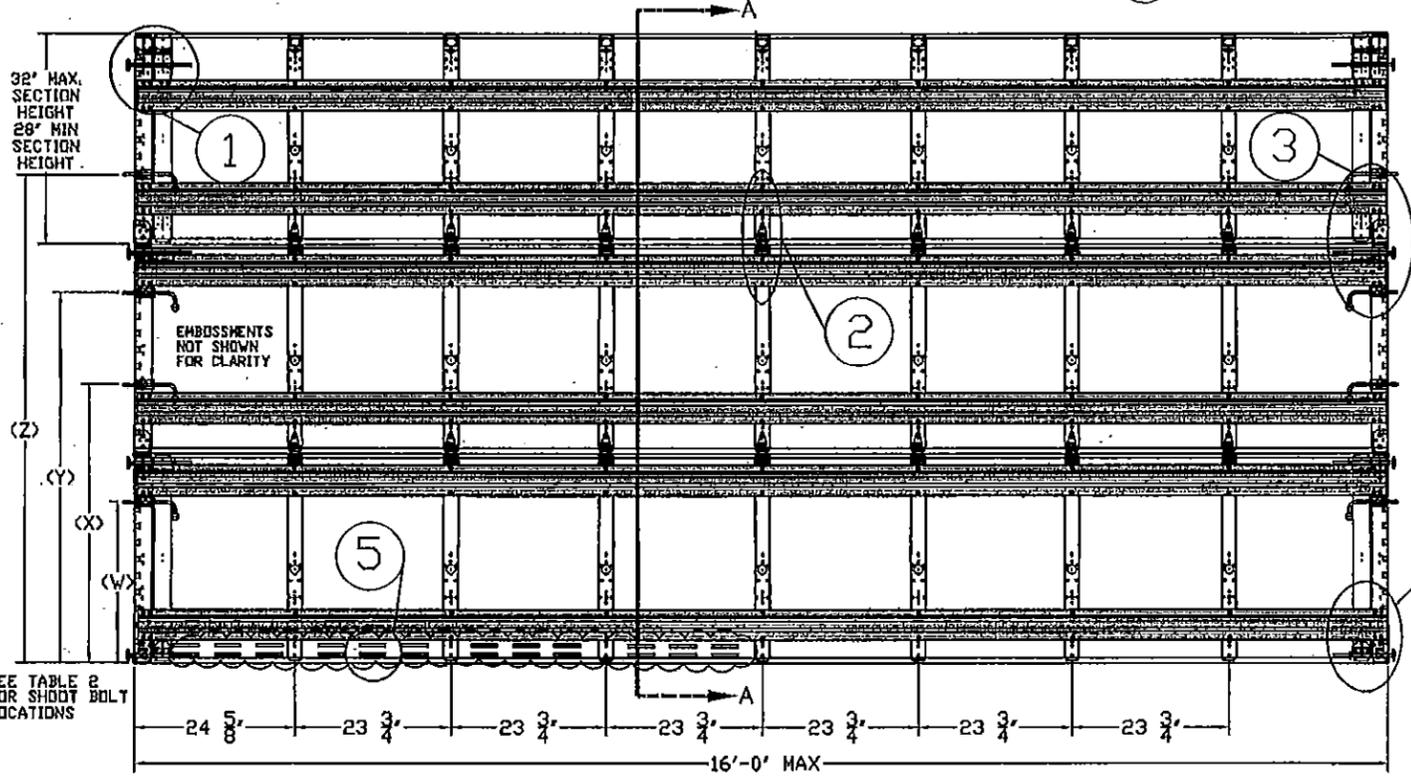
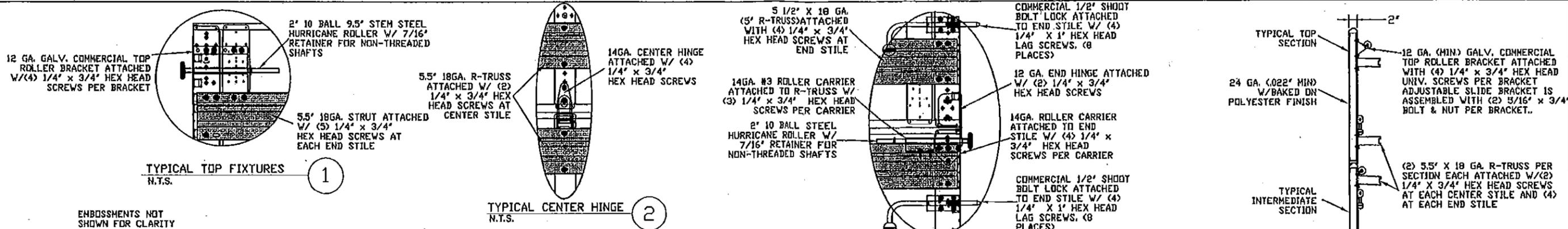
F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC and no financial interest issued by Structural Solutions, PA., dated 04/08/2015, signed and sealed by Tomas L. Shelmerdine, P.E.


07/08/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0505.08

Expiration Date: March 10, 2016
Approval Date: July 16, 2015



LARGE MISSILE IMPACT RESISTANCE

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 15-0505-08 Expiration Date 03/10/2016

By *[Signature]*
Miami Trade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	12/13/11	RLR

MAX SIZE 16' x 8'	
DESIGN LOADS +43.4 PSF -49.3 PSF	
LARGE MISSILE IMPACT RESISTANCE	

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

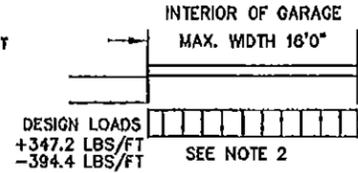
MODEL #500 CLASSICA
1000 & 2000

SIZE	DRAWN BY	BHG	DATE	10/13/10	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	10/13/10	IRC-5316-169-26-1

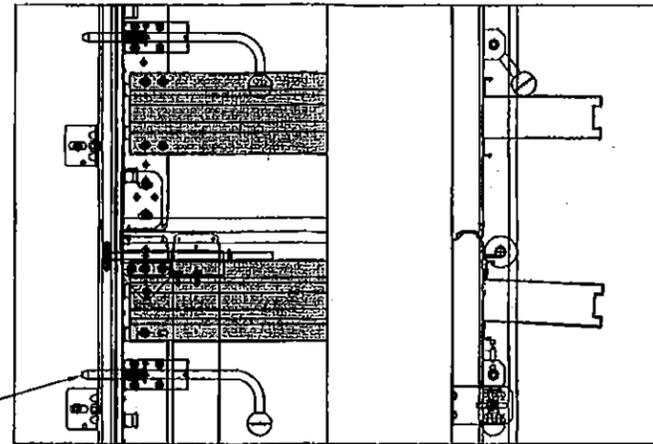
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. NO. 0048579 SHEET 1 OF 3

SPECIFICATIONS AND NOTES

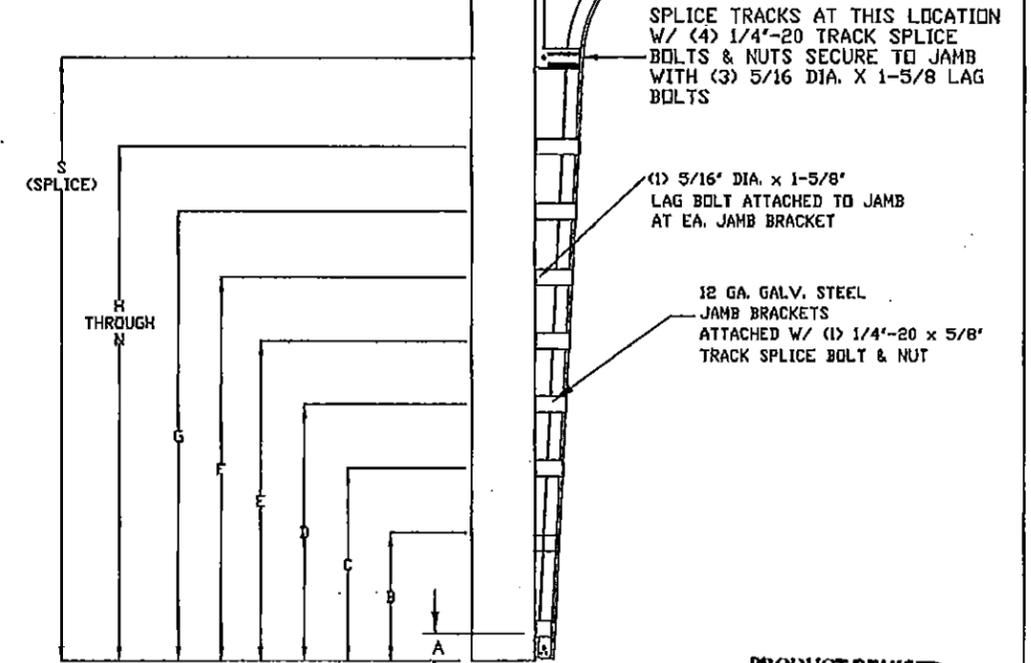
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF +347.2 LBS/FT & -394.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. DOOR SECTIONS SHALL BE 24 GA. (0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 8'0" HIGH CONSIST OF (3) SECTIONS AS SHOWN. USE (2) 9.5' R-TRUSSES PER 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.
7. 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.



SHOULDER ENGAGES TRACK AT 4 LOCATIONS PER SIDE. BOLTS MUST BE ENGAGED DURING HIGH WIND EVENTS.



13 GA. FLAG BRACKET ATTACHED TO WOOD JAMB/ (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



SEE (TABLE 1) FOR JAMB BRACKET SPACING

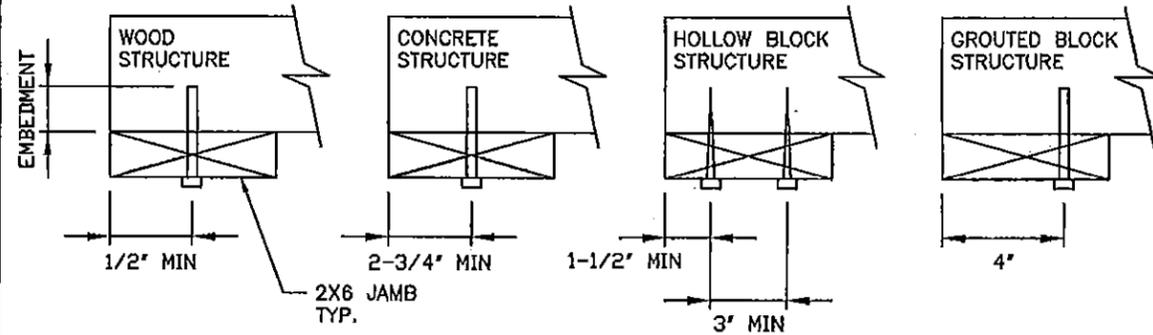
STANDARD TRACK CONFIGURATION FOR 7' AND 8' TALL DOORS
N.T.S.

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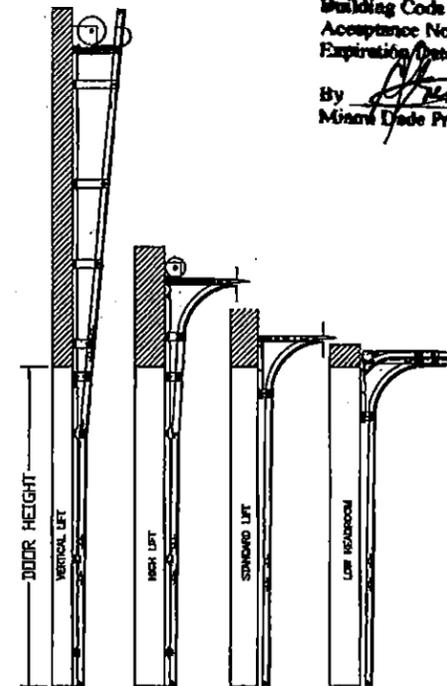
WOOD JAMB ATTACHMENT TO STRUCTURE

- 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 14" 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 12" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" 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 14" 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



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AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	12/13/11	RLR

MAX SIZE 16' x 8'
DESIGN LOADS +43.4 PSF -49.3 PSF
LARGE MISSILE IMPACT RESISTANCE

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

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

MODEL #500 CLASSICA
1000 & 2000

SIZE	DRAWN BY	ENG	DATE	DRAWING NUMBER
B	BHG	BHG	10/13/10	IRC-5316-169-26-1

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

TABLE 1

Door Height	TRACK ATTACHMENT (in)								SPLICE S
	A	B	C	D	E	F	G	H	
7' 0"	3	14	27	38	46	56	64		76
8' 0"	3	14	27	38	46	56	68	78	88

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

TABLE 2

Door Height	SHOOT BOLT ATTACHMENT (in)			
	W	X	Y	Z
7' 0"	21	40.5	48	67.5
8' 0"	25	44.5	58	76.5

TABLE 3

Section			Stile Locations (Measured From Left Edge)						
Width (ft)	Width (in)	Height(s) (in)	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)
9'-2"	110	18&21	28.063	44.924	58.843				
9'-4"	112	18&21	28.563	55.938	83.313				
9'-6"	114	18&21	29.063	66.948	87.815				
9'-8"	116	18&21	29.563	57.938	86.313				
10'-0"	120	18&21	30.563	59.938	89.313				
10'-2"	122	18&21	31.063	60.938	90.813				
10'-4"	124	18&21	31.563	61.938	92.313				
10'-6"	126	18&21	32.063	62.938	93.813				
10'-8"	128	18&21	32.563	63.938	95.313				
10'-10"	130	18&21	33.063	64.938	96.813				
11'-0"	132	18&21	33.563	65.938	98.313				
11'-2"	134	18&21	34.063	66.938	99.813				
12'-0"	144	18&21	24.563	48.251	71.939	95.627	119.315		
12'-2"	146	18&21	25.063	49.251	72.939	96.627	120.815		
12'-4"	148	18&21	25.563	49.751	73.939	98.127	122.315		
12'-6"	150	18&21	26.063	50.251	74.939	99.627	123.815		
12'-8"	152	18&21	26.563	51.251	75.939	100.627	125.315		
12'-10"	154	18&21	27.063	52.001	76.939	101.627	126.815		
13'-0"	156	18&21	27.563	52.751	77.939	103.127	128.315		
13'-2"	158	18&21	28.063	53.501	78.939	104.627	129.815		
13'-4"	160	18&21	28.563	54.251	79.939	105.627	131.315		
13'-6"	162	18&21	29.063	55.001	80.939	106.627	132.815		
13'-8"	164	18&21	29.563	55.751	81.939	108.127	134.315		
13'-10"	166	18&21	30.063	56.501	82.939	109.627	135.815		
14'-0"	168	18&21	30.563	57.251	83.939	110.627	137.315		
14'-2"	170	18&21	31.063	58.001	84.939	111.627	138.815		
14'-4"	172	18&21	31.563	58.751	85.939	113.127	140.315		
14'-6"	174	18&21	32.063	59.501	86.939	114.627	141.815		
14'-8"	176	18&21	32.563	60.251	87.939	115.627	143.315		
14'-10"	178	18&21	33.063	61.001	88.939	116.627	144.815		
15'-0"	180	18&21	33.563	61.751	89.939	118.127	146.315		
15'-2"	182	18&21	34.063	62.501	90.939	119.627	147.815		
15'-4"	184	18&21	34.563	63.251	91.939	120.627	149.315		
15'-6"	186	18&21	35.063	64.001	92.939	121.627	150.815	161.815	164.815
15'-8"	188	18&21	24.963	47.955	70.947	93.939	116.931	139.923	162.915
15'-10"	190	18&21	25.463	48.705	71.947	94.939	118.431	141.423	164.415
16'-0"	192	18&21	24.563	48.355	72.147	95.939	119.731	143.523	167.315

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MAX SIZE
16' x 8'

DESIGN LOADS
+43.4 PSF
-49.3 PSF

LARGE MISSILE
IMPACT
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**MODEL #500 CLASSICA
1000 & 2000**

SIZE	DRAWN BY	ENG	DATE	10/13/10	DRAWING NUMBER
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ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 3 OF 3