



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

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 9'-0" Wide

APPROVAL DOCUMENT: Drawing No. **IRC-5309-185-21-I**, titled "Model 500 Classica 1000, 2000 Flush, Bead, Raised and Recessed Panel", sheets 1 through 3 of 3, dated 09/11/2008, with revision A dated 11/07/2010, 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 # 14-0306.05 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: 07/14/2015

NOA No. 15-0505.19
 Expiration Date: April 29, 2019
 Approval Date: July 23, 2015
 Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 12-0228.11”

1. Drawing No. IRC-5309-185-21-I, titled “Model 500 Classica 1000, 2000 Flush, Bead, Raised and Recessed Panel”, sheets 1 through 3 of 3, dated 09/11/2008, with revision A dated 11/07/2010, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS “Submitted under NOA # 12-0228.11”

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.

“Submitted under NOA # 09-0312.06”

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

Along with marked-up drawings and installation diagram of Amarr 9’x 8’ 24 ga steel garage door Model 500 Classica 1000, prepared by American Test Lab, Inc, Test Report No. ATLNC 0825.01-08, dated 10/07/2008, signed and sealed by David W. Johnson, P.E.

C. CALCULATIONS “Submitted under NOA # 12-0228.11”

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

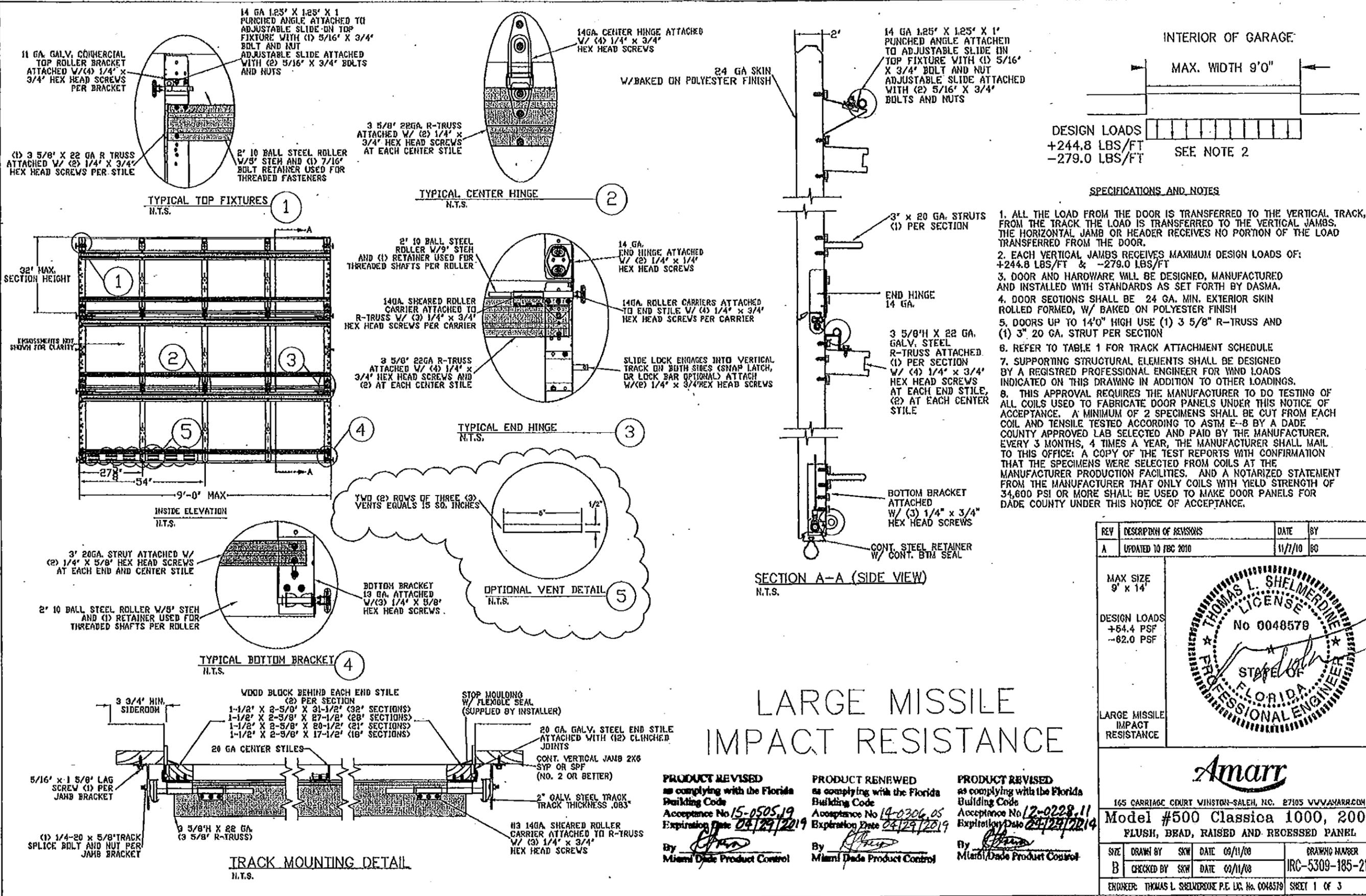
1. None.

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.


07/14/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0505.19
Expiration Date: April 29, 2019
Approval Date: July 23, 2015



LARGE MISSILE IMPACT RESISTANCE

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 15-0505.19
 Expiration Date 04/29/2019
 By *[Signature]*
 Miami Dade Product Control

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 14-0306.05
 Expiration Date 04/29/2019
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 12-0228.11
 Expiration Date 04/29/2019
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REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/7/10	BO

MAX SIZE 9' x 14'	
DESIGN LOADS +54.4 PSF -62.0 PSF	
LARGE MISSILE IMPACT RESISTANCE	

Amarr
 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM
Model #500 Classica 1000, 2000
 FLUSH, BEAD, RAISED AND RECESSED PANEL

SIZE	DRAWN BY	SKW	DATE	09/11/08	DRAWING NUMBER
B	CHECKED BY	SKW	DATE	02/11/08	IRC-5309-185-21-1

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

WOOD JAMB ATTACHMENT TO STRUCTURE

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 14-0306.05
 Expiration Date 04/29/2019
 By *[Signature]*
 Miami Dade Product Control

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) AT SPLICE LOCATION AND
 (2) IN UPPER PORTION OF FLAG BRACKET

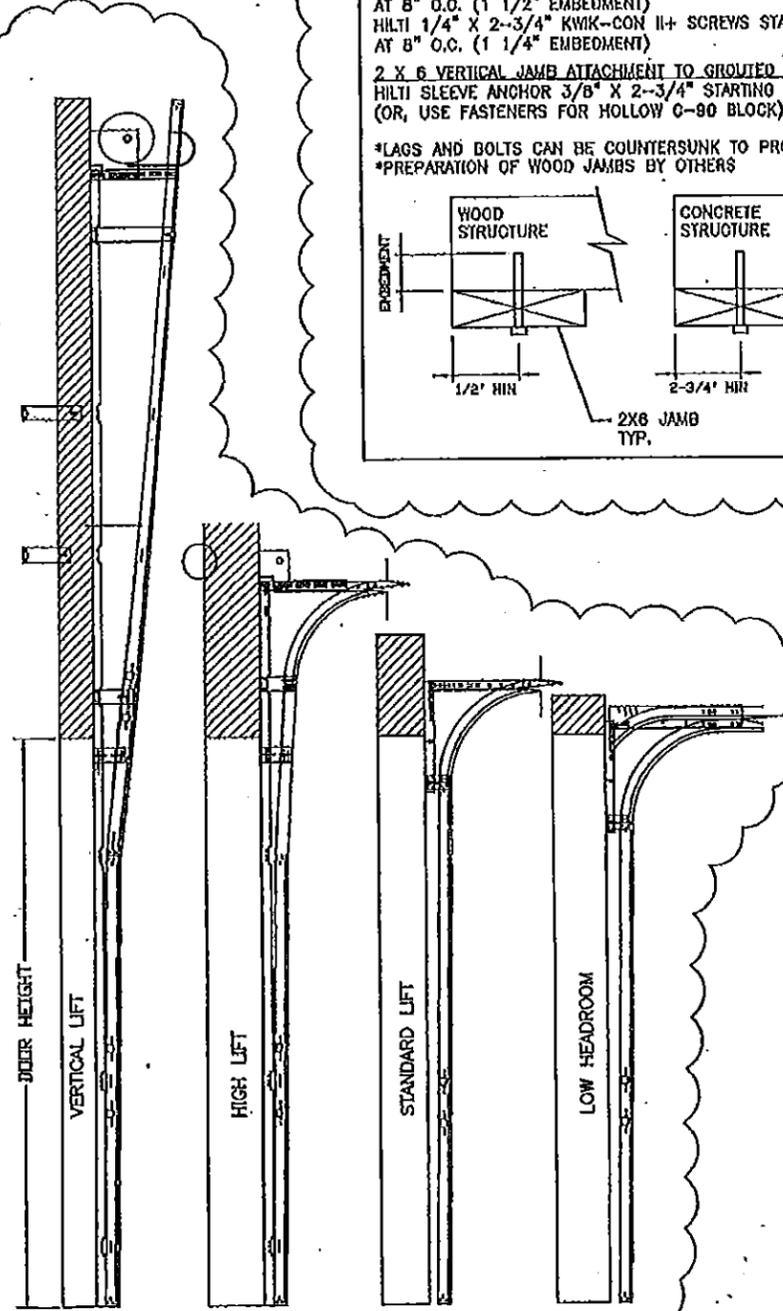
(1) 5/16" DIA. X 1-5/8"
 LAG BOLT ATTACHED TO JAMB
 AT EA. JAMB BRACKET

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

SEE (TABLE 1) FOR
 JAMB BRACKET SPACING

TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS

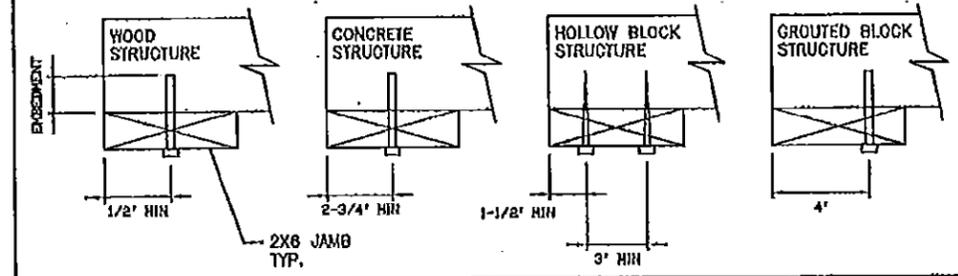
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AVAILABLE TRACK CONFIGURATIONS
 N.T.S.

- 2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" 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 18" 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 20" 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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 as complying with the Florida
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 Expiration Date 04/29/2019
 By *[Signature]*
 Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/1/10	BB

MAX SIZE 9' x 14'	
DESIGN LOADS +54.4 PSF -62.0 PSF	
LARGE MISSILE IMPACT RESISTANCE	

Amarr
 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM
 Model #500 Classica 1000, 2000
 FLUSH AND BEAD PANEL

SIZE	DRAWN BY SKW	DATE 09/11/09	DRAWING NUMBER
B	CHECKED BY SKW	DATE 09/11/09	IRC-5309-185-21-1

ENGINEER: THOMAS L. SHELMEERDINE P.E. LIC. NO. 0048579 SHEET 2 OF 3

TABLE 1

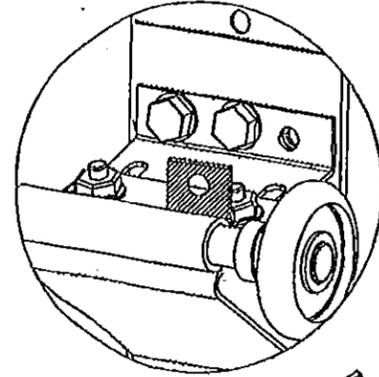
DOOR HEIGHT	TRACK ATTACHMENT OPTION 1														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
6'6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7'6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"	88"						88"
8'6"	3"	14"	27"	38"	46"	56"	68"	78"	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

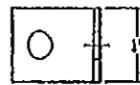
DOOR HEIGHT	TRACK ATTACHMENT OPTION 2														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M		
6'6"	3.5"	10"	22"	34"	46"	58"									70"
7'	3.5"	10"	22"	34"	46"	58"									76"
7'6"	3.5"	10"	22"	34"	46"	58"	70"								82"
8'	3.5"	10"	22"	34"	46"	58"	70"								88"
8'6"	3.5"	10"	22"	34"	46"	58"	70"	82"							94"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"							100"
9'6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"						106"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"					112"
10'6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				118"
11'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"				124"
11'6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			130"
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"			136"
12'6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		142"
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"		148"
13'6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	154"
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	160"	160"

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

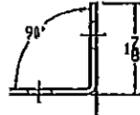
TOP FIXTURE REINFORCEMENT ILLUSTRATION



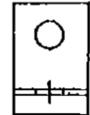
TOP FIXTURE ADDER PIECE



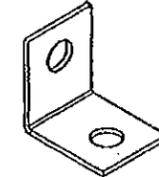
TOP VIEW



END VIEW



SIDE VIEW



ISOMETRIC VIEW

- NOTES:
1. ZINC COATING
 2. MATERIAL YIELD STRENGTH: 35-49 KSI.
 3. MATERIAL HARDNESS: 50-60 ROCKWELL B.
 4. 1.25" X 1.25" X 1" X 14 GA PUNCHED ANGLE MAY BE USED

TABLE 2

Section	Stile Locations (Measured From Left Edge)			Panel Arrangements				
	Width (ft)	Width (in)	Height(s) (in)	1st (in)	2nd (in)	3rd (in)	Width to Leading Embossment Edge (in)	Spacing Between Embossment Pairs (in)
6'6"	90	18&21	22.487	44.938	67.389		2.036	4.000
7'	94	18&21	23.577	46.938	70.299		3.126	5.820
7'6"	98	18&21	24.667	48.938	73.209		4.216	7.640
8'	102	18&21	25.757	50.938	76.119		5.306	9.460
8'6"	106	18&21	26.847	52.938	79.029		6.396	11.280
9'	110	18&21	27.937	54.938	81.939		7.486	13.100
9'6"	114	18&21	29.027	56.938	84.849		8.576	14.920
10'	118	18&21	30.117	58.938	87.759		9.666	16.740
10'6"	122	18&21	31.207	60.938	90.669		10.756	18.560
11'	126	18&21	32.297	62.938	93.579		11.846	20.380
11'6"	130	18&21	33.387	64.938	96.489		12.936	22.200
12'	134	18&21	34.477	66.938	99.399		14.026	24.020
12'6"	138	18&21	35.567	68.938	102.309		15.116	25.840
13'	142	18&21	36.657	70.938	105.219		16.206	27.660
13'6"	146	18&21	37.747	72.938	108.129		17.296	29.480
14'	150	18&21	38.837	74.938	111.039		18.386	31.300

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 14-0306.05 Expiration Date 02/29/2019

By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 15-0505.19 Expiration Date 04/29/2019

By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0228.11 Expiration Date 04/29/2019

By *[Signature]*
Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO IBC 2010	11/7/10	BB

MAX SIZE 9' x 14'

DESIGN LOADS +54.4 PSF -82.0 PSF

LARGE MISSILE IMPACT RESISTANCE

THOMAS L. SHELMERDINE LICENSE No 8048570 STATE OF FLORIDA PROFESSIONAL ENGINEER

Amarr

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

Model #500 Classica 1000, 2000 FLUSH AND BEAD PANEL

SIZE	DRAWN BY SKW	DATE 09/11/08	DRAWING NUMBER
B	CHECKED BY SKW	DATE 09/11/08	IRC-5309-185-21-1

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048570 SHEET 3 OF 3