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 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 # 15-0505.19** and consists of this page 1 and evidence page E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

12/18/17

NOA No. 17-1010.11
Expiration Date: April 29, 2019
Approval Date: December 21, 2017
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1010.11
Expiration Date: April 29, 2019
Approval Date: December 21, 2017

NOTICE OF ACCEPTANCE: EVIDENCE SUB

2. New Evidence submitted.

A. DRAWINGS
1. None.

B. CALCULATIONS
1. None

C. QUALITY ASSURANCE
1. Miami Dade Department of Regulatory and Economic Resources (RER).

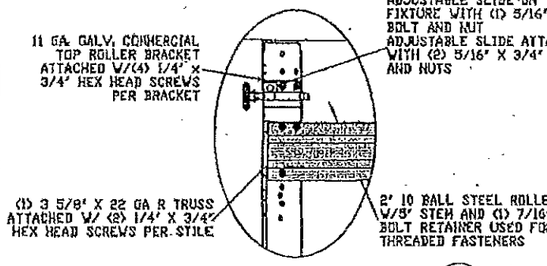
D. MATERIAL CERTIFICATIONS
1. None.

E. STATEMENTS
1. Statement letter of conformance to FBC 2017 (**6th** Edition) dated 09/11/17, prepared, signed and sealed by Thomas L. Shelmerdine, P.E.

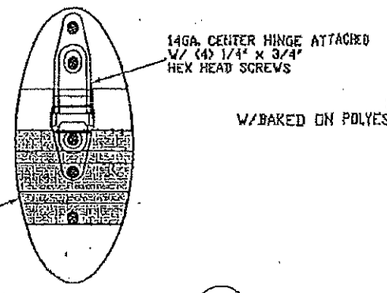
F. OTHER
1. This NOA **revises NOA # 15-0505.19**, expiring 04/29/19.

Ishaq I. Chanda

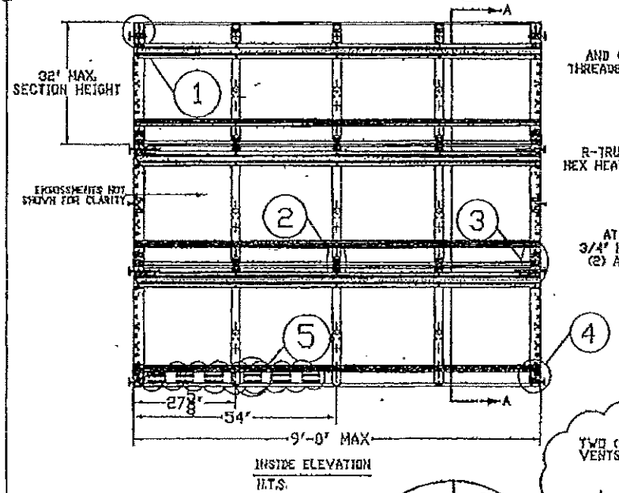
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1010.11
Expiration Date: April 29, 2019
Approval Date: December 21, 2017



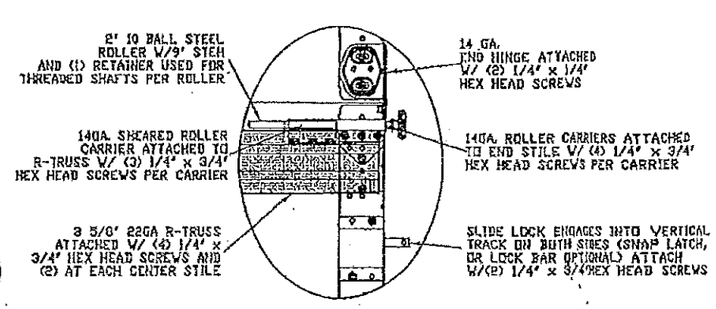
TYPICAL TOP FIXTURES (1)
N.T.S.



TYPICAL CENTER HINGE (2)
N.T.S.



INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE (3)
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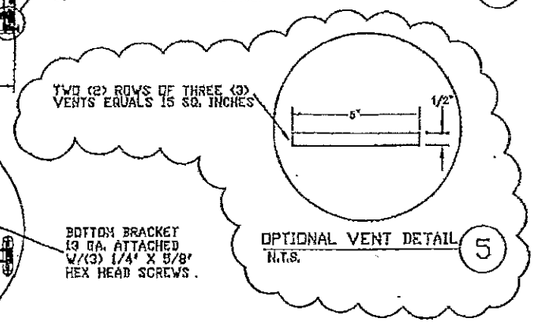
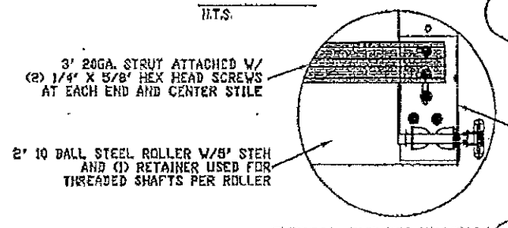
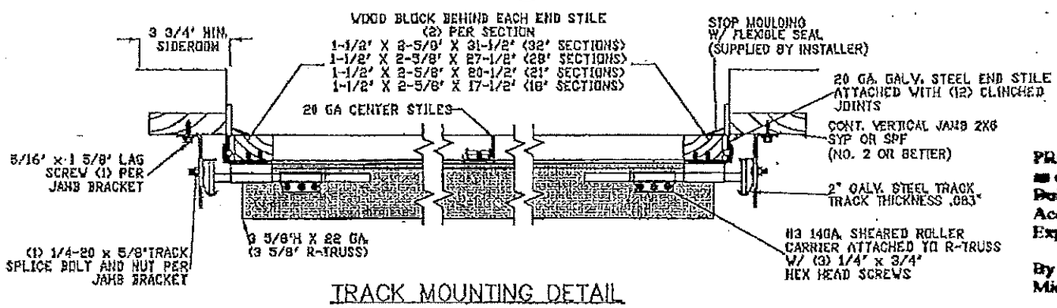


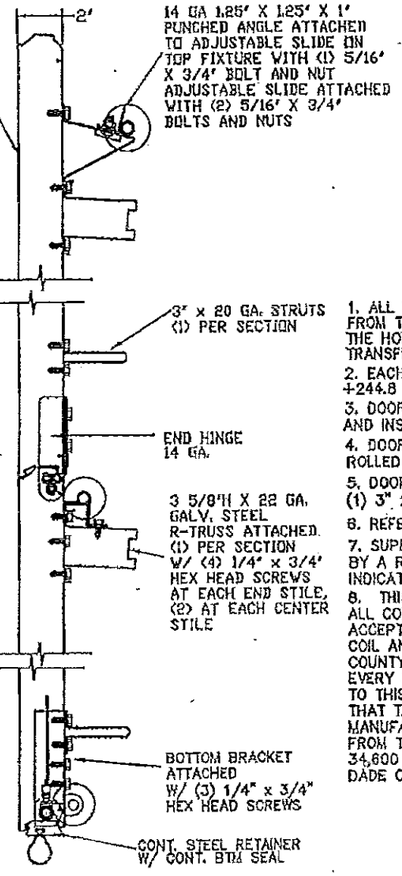
OPTIONAL VENT DETAIL (5)
N.T.S.



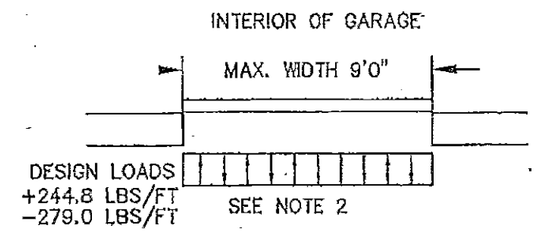
TYPICAL BOTTOM BRACKET (4)
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.



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



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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +244.8 LBS/FT & -279.0 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. MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 14'0" HIGH USE (1) 3 5/8" R-TRUSS AND (1) 3" 20 GA. STRUT PER SECTION
6. REFER TO TABLE 1 FOR TRACK ATTACHMENT SCHEDULE
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED 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.

LARGE MISSILE IMPACT RESISTANCE

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

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0228.11
Expiration Date 04/29/2014
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-1010.11
Expiration Date APR 29 2019
By
Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/7/10	BD

MAX SIZE 9' x 14'

DESIGN LOADS +54.4 PSF -82.0 PSF

LARGE MISSILE IMPACT RESISTANCE

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

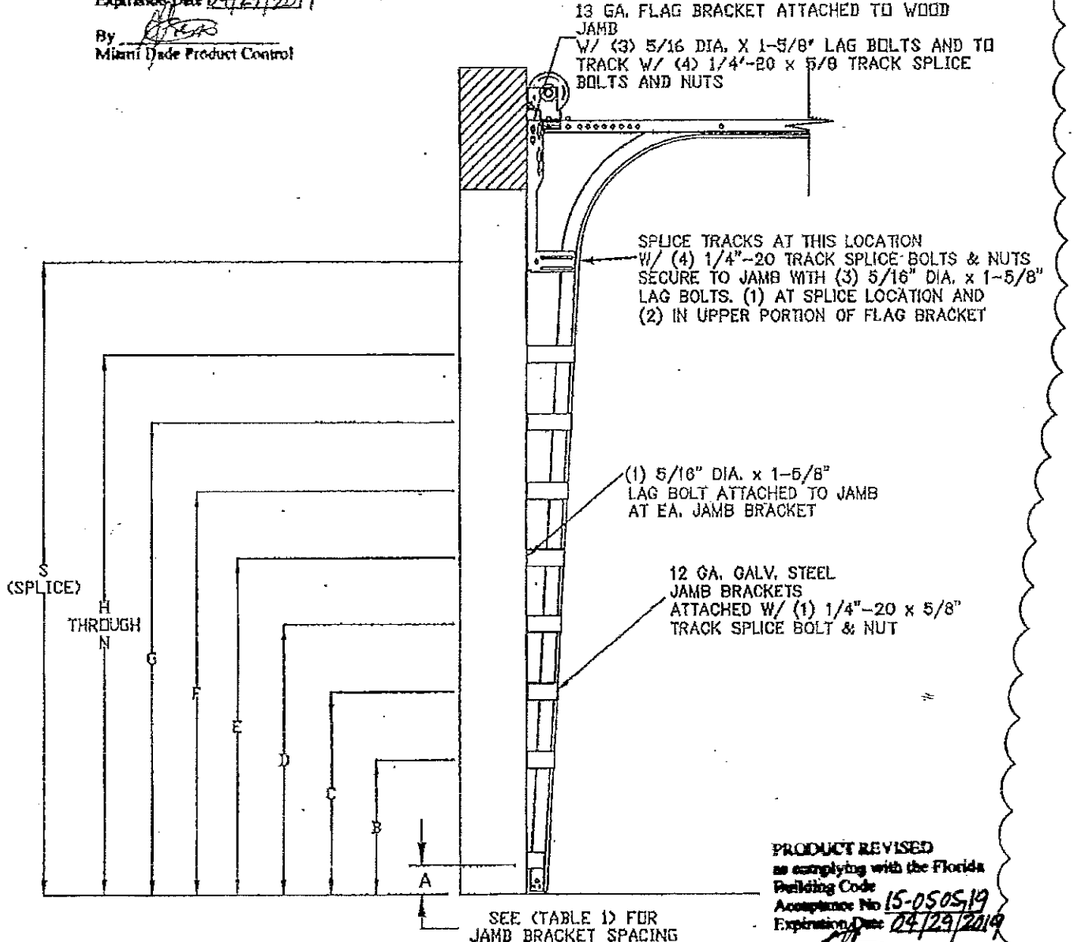
Amarr
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM

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 09/11/08	IRC-5309-185-21-1

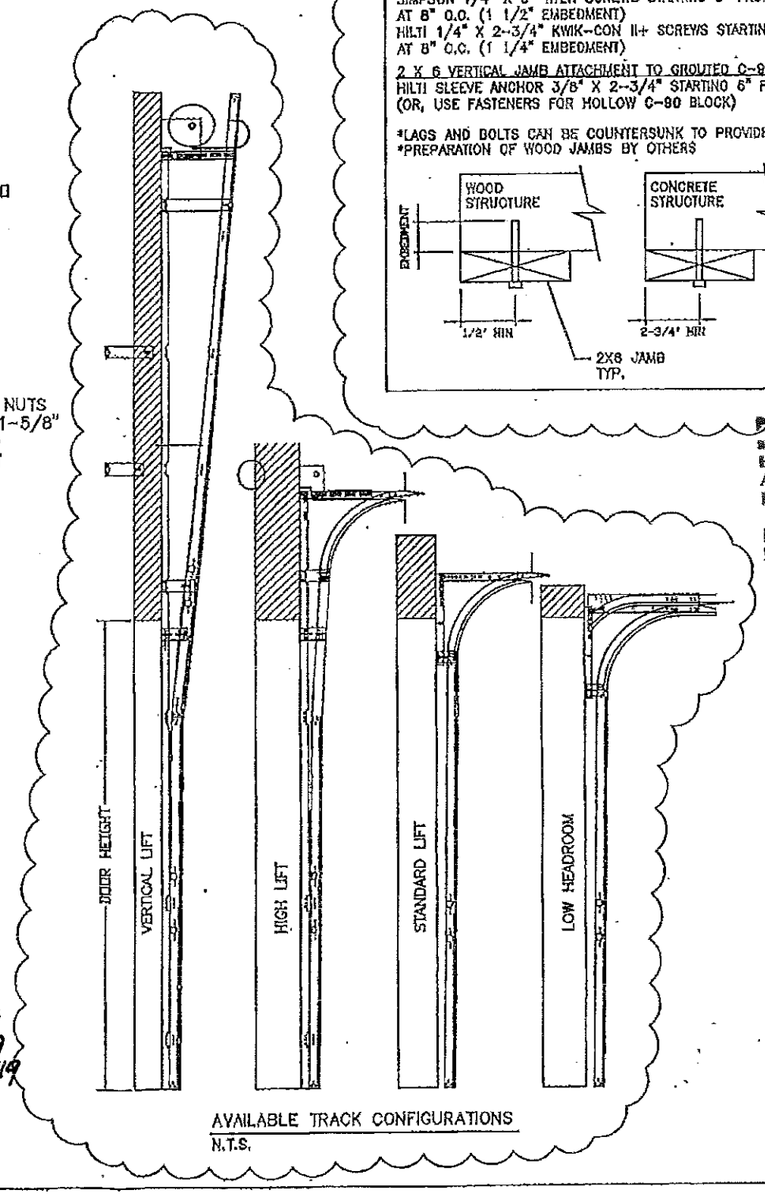
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 | SHEET 1 OF 3

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



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

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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

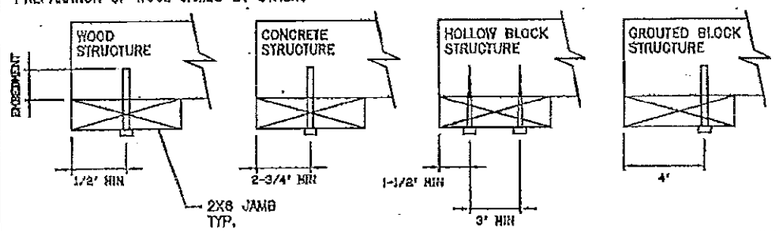
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" O.C. (1 1/2" EMBEDMENT)

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



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-1010.11
Expiration Date 4/24/19
By
Miami Dade Product Control

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

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

MAX SIZE
8' x 14'

DESIGN LOADS
+54.4 PSF
-62.0 PSF

LARGE MISSILE IMPACT RESISTANCE

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

Amarr
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103 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. 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	S
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"	110"	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"	114"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

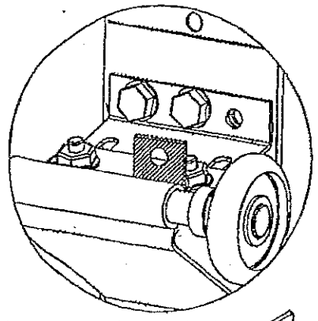
ALL TRACK ATTACHMENT SPACING +/−2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

TABLE 1

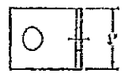
DOOR HEIGHT	TRACK ATTACHMENT OPTION 2													SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	S
6'-6"	3.5"	10"	22"	34"	46"	58"								70"
7'	3.5"	10"	22"	34"	46"	58"								76"
7'-6"	3.5"	10"	22"	34"	46"	58"	70"							82"
8'	3.5"	10"	22"	34"	46"	58"	70"							88"
8'-6"	3.5"	10"	22"	34"	46"	58"	70"	82"						94"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

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

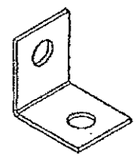
TOP FIXTURE REINFORCEMENT ILLUSTRATION



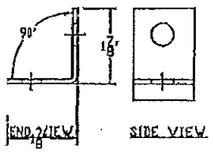
TOP FIXTURE ADDER PIECE



TOP VIEW



ISOMETRIC VIEW



END VIEW

SIDE 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"	78	18&21	21.582	47.299		2.036	4.000
7'-6"	90	18&21	22.487	44.938	67.389	2.036	4.000
7'-10"	94	18&21	23.577	46.938	70.299	3.126	5.820
8'-0"	96	18&21	24.063	47.938	71.813	3.102	5.848
8'-2"	98	18&21	25.063	48.938	72.813	4.612	6.848
8'-4"	100	18&21	25.063	49.938	73.813	4.612	6.848
8'-6"	102	18&21	26.063	50.938	75.813	5.612	6.848
8'-8"	104	18&21	26.063	51.938	77.813	5.612	6.848
8'-10"	106	18&21	27.063	52.938	78.813	6.612	10.848
9'-0"	108	18&21	27.063	53.938	80.813	6.612	10.848

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 17-1010.11
Expiration Date APR 29,2019
Ishaq L. Chanda
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 14-0304.05
Expiration Date 04/29/2019
By
Miami-Dade Product Control

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0228.11
Expiration Date 04/29/2014
By
Miami-Dade Product Control

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

MAX SIZE 9' x 14'

DESIGN LOADS +54.4 PSF −62.0 PSF

LARGE MISSILE IMPACT RESISTANCE

THOMAS L. SHELMERDINE LICENSE No 0048578 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. 0048578				SHEET 3 OF 3