



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 (9' wide)

APPROVAL DOCUMENT: Drawing No. **IRC-5309-185-21-I**, titled "Model 500 Classica 1000, 2000 Flush and Bead Panels", sheets 1 and 2 of 2, dated 09/11/08, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 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.**



Utrera
 4/4/09

NOA No. 09-0312.06
Expiration Date: April 29, 2014
Approval Date: April 29, 2009

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-5309-185-21-I**, titled "Model 500 Classica 1000, 2000 Flush and Bead Panels", sheets 1 and 2 of 2, dated 09/11/08, 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 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 10/07/08, signed and sealed by David W. Johnson, P.E.
2. Test report on 1000 hours salt spray corrosion exposure comparison per ASTM D1654 (ASTM B117) of G-40 painted and G-90 steel panels, prepared by ETC Laboratories, Test Report No. **ETC-07-816-20337.0**, dated 03/24/08, signed and sealed by Joseph L. Doldan, P.E.

C. CALCULATIONS

1. Anchoring verification calculations, prepared by Structural Solutions, P.A., complying with F.B.C 2004, dated 01/06/09, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

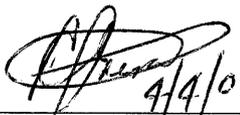
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

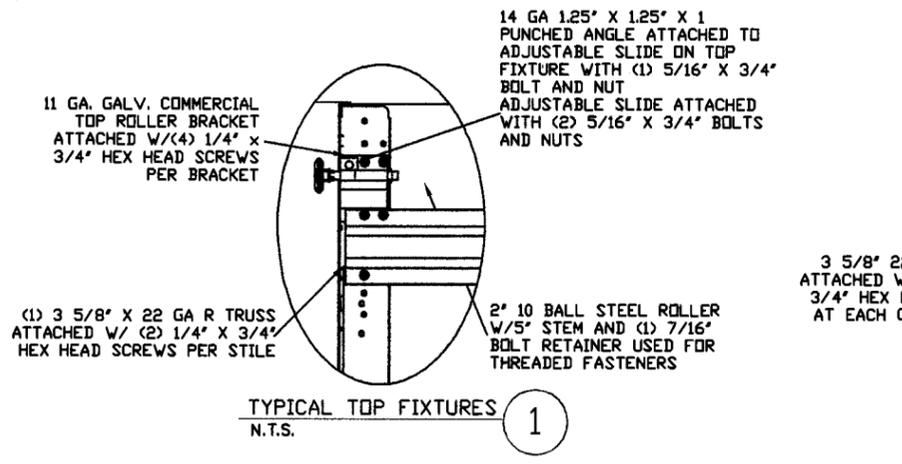
F. STATEMENTS

1. Letter of code compliance and no financial interest, issued by Structural Solutions, P.A, dated 01/06/09, signed and sealed by Thomas L. Shelmerdine, P.E.

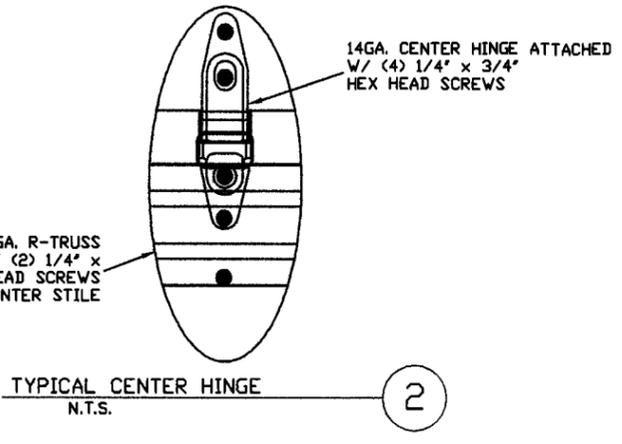


4/4/09

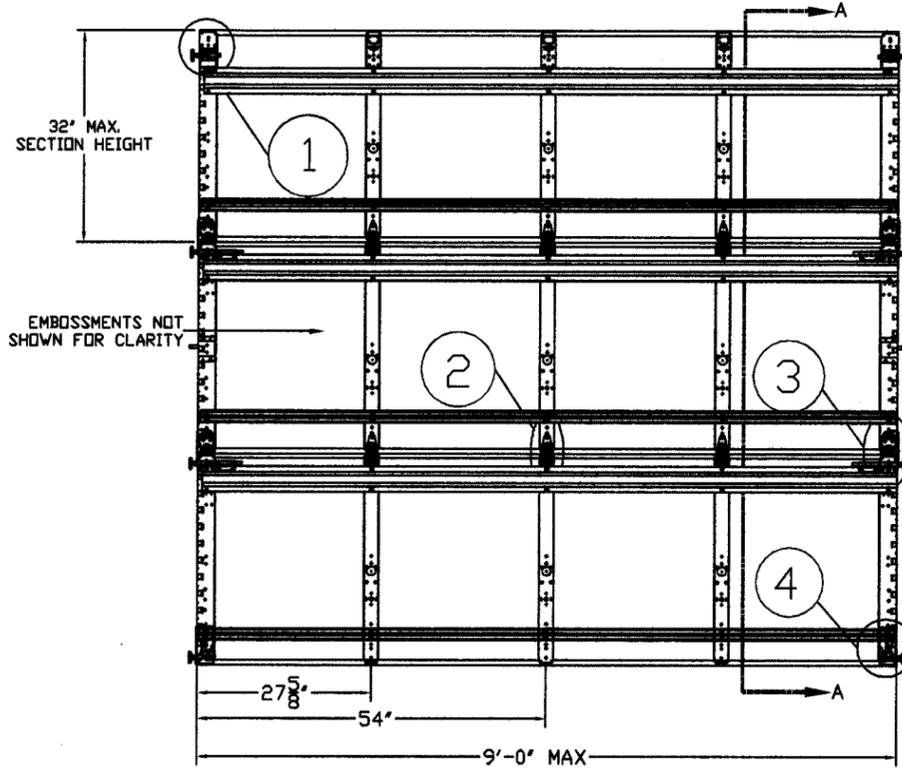
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0312.06
Expiration Date: April 29, 2014
Approval Date: April 29, 2009



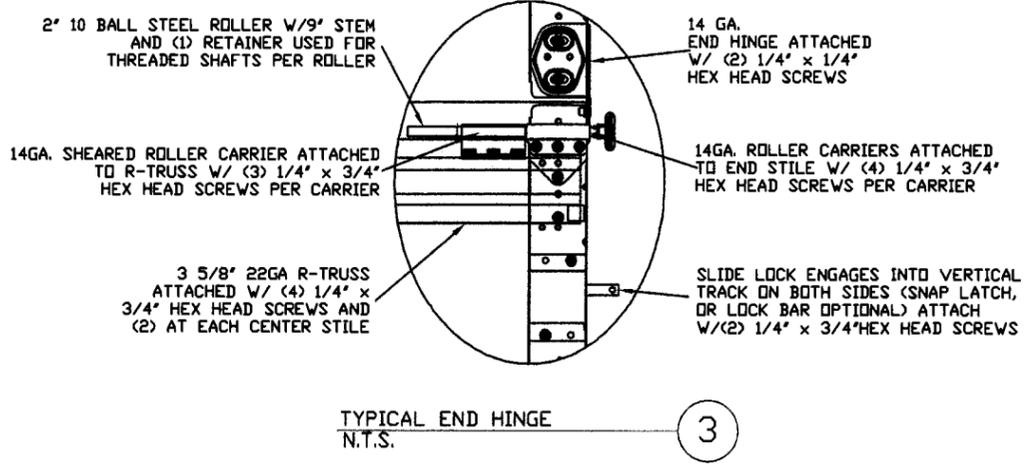
TYPICAL TOP FIXTURES
N.T.S. 1



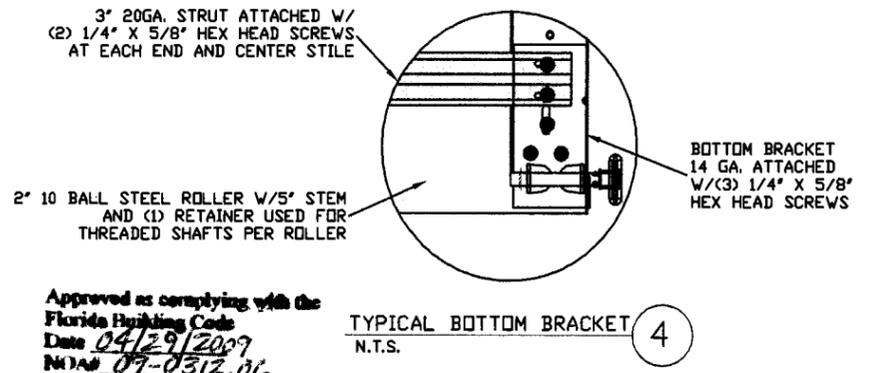
TYPICAL CENTER HINGE
N.T.S. 2



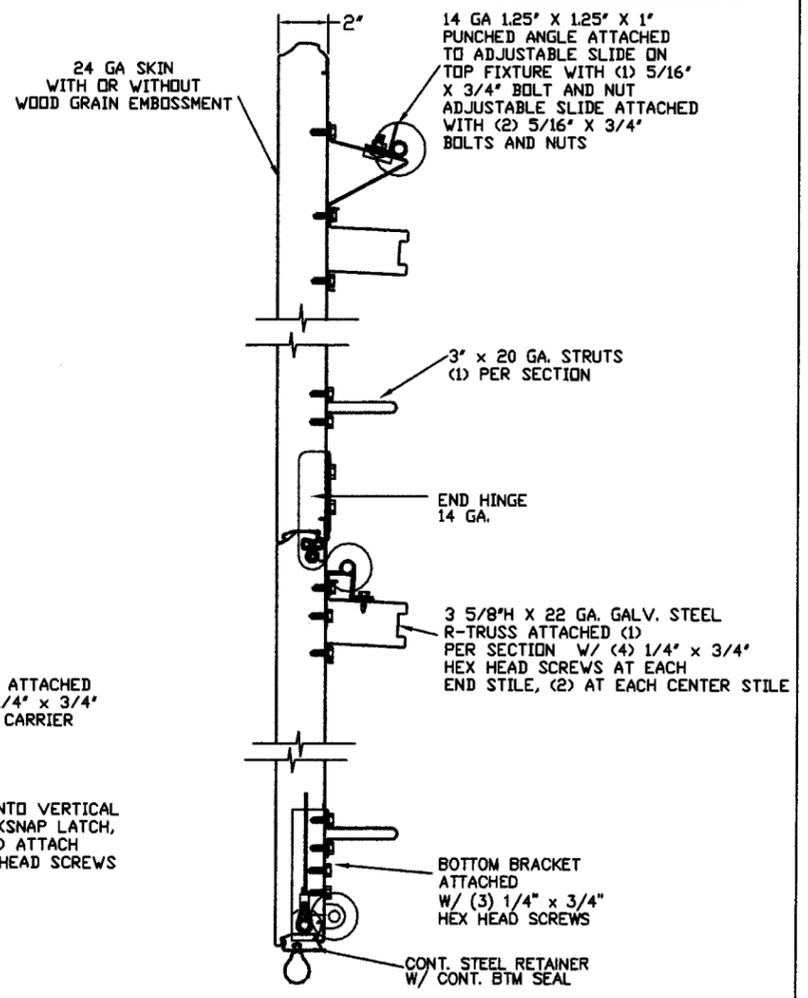
INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE
N.T.S. 3



TYPICAL BOTTOM BRACKET
N.T.S. 4



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

Approved as complying with the Florida Building Code
Date 04/29/2009
No. 07-0312.06
Miami Dade Product Control Division
By *[Signature]*

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8\"/>

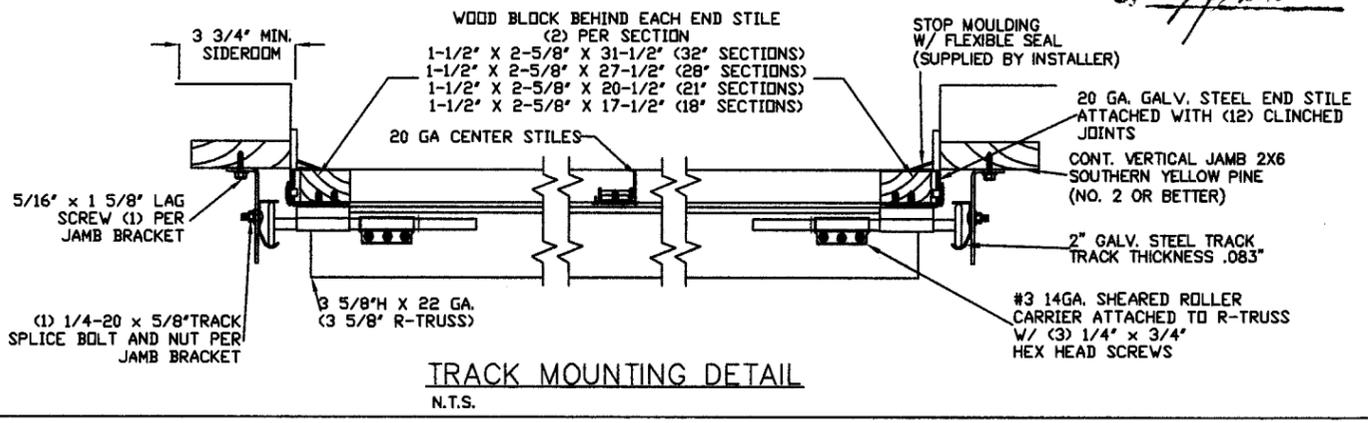
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 9' x 14'		
	DESIGN LOADS +54.4 PSF -62.0 PSF		
	LARGE MISSILE IMPACT RESISTANCE		

Amarr
165 CARRIAGE COURT WINSTON-SALEM, N.C. 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. SHELBERDINE P.E. LIC. No. 0048579 SHEET 1 OF 2



TRACK MOUNTING DETAIL
N.T.S.

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: +244.8 LBS/FT & -279.0 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR SKIN ROLLED FORMED, G-40 GALVANIZATION W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 14'0" HIGH USE (1) 3 5/8" R-TRUSS AND (1) 3" 20 GA. STRUT PER SECTION
- REFER TO TABLE 1 FOR TRACK ATTACHMENT SCHEDULE
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
- THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330, 1886, 1996, F588 ASCE 7, ANSI/DASMA 108, 115 AND FLA. BUILDING CODE PROTOCOLS TAS 201, 202, 203.
- MIAMI-DADE 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 30,000 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.

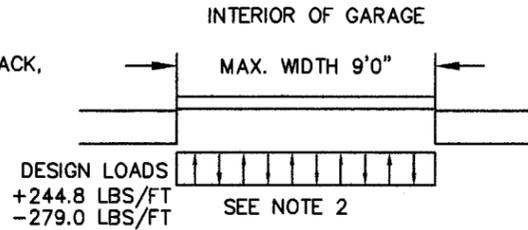
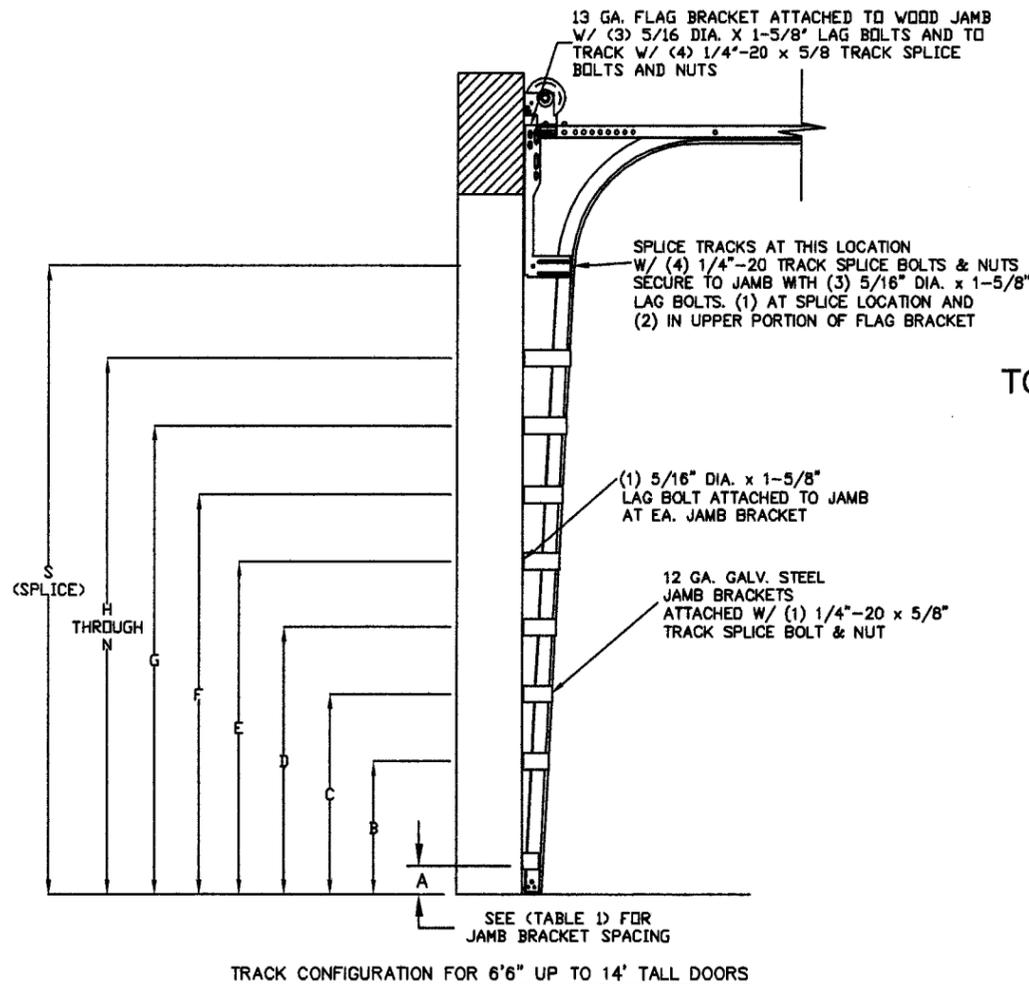


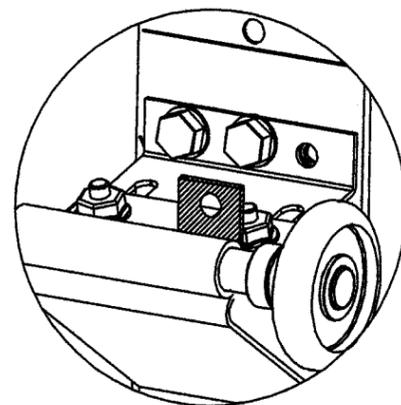
TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT OPTION 1														SPLICE S	
	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"

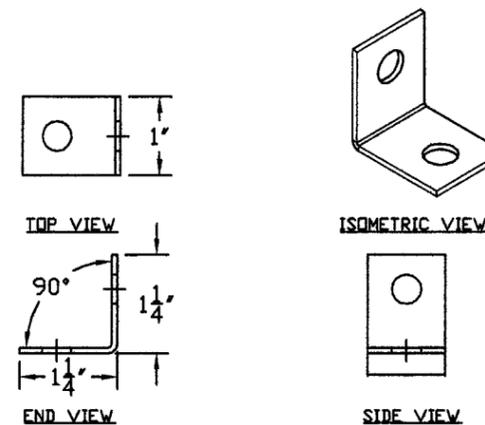
DOOR HEIGHT	TRACK ATTACHMENT OPTION 2														SPLICE S	
	A	B	C	D	E	F	G	H	I	J	K	L	M			
6' 6"	3.5"	10"	22"	34"	46"	58"										70"
7'	3.5"	10"	22"	34"	46"	58"										76"
7' 6"	3.5"	10"	22"	34"	46"	58"	70"									82"
8'	3.5"	10"	22"	34"	46"	58"	70"									88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	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"							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"	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"



TOP FIXTURE REINFORCEMENT ILLUSTRATION



TOP FIXTURE ADDER PIECE



- NOTES:
- ZINC COATING TO BE MINIMUM G-40 HOT-DIPPED OR EQUIVALENT.
 - MATERIAL YIELD STRENGTH: 35-49 KSI.
 - MATERIAL HARDNESS: 50-60 ROCKWELL B.
 - 1.25" X 1.25" X 1" X 14 GA PUNCHED ANGLE MAY BE USED

Approved as complying with the Florida Building Code
 Date 04/29/2009
 MOA# 09-0312.06
 Miami Dade Product Control Division
 By *[Signature]*

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 9' x 14'		
	DESIGN LOADS +54.4 PSF -62.0 PSF		
	LARGE MISSILE IMPACT RESISTANCE		
Amarr			
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM			
Model #500 Classica 1000, 2000 FLUSH AND BEAD PANEL			
SIZE	DRAWN BY SKW	DATE 09/11/08	DRAWING NUMBER
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ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579			SHEET 2 OF 2