

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/building

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Amarr Garage Doors dba Entrematic 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 1000 Amarr 2432 Insulated Steel Sectional Garage Doors up to 16'-2" Wide with Impact Resistant Windows – L.M.I.

APPROVAL DOCUMENT: Drawing No. **IBC-1016-195-26-I**, titled "Model 1000 Amarr 2432", sheets 1 through 4 of 4, dated 01/25/17, prepared by manufacturer, 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 the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, manufacturing address, 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 #22-0914.07 and consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Hely A. Melo 01/18/2024

NOA No. 23-1114.20 Expiration Date: 11/09/2027 Approval Date: 01/18/2024 Page 1

Amarr Garage Doors dba Entrematic

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 17-0321.05)
- 2. Drawing No. **IBC-1016-195-26-I**, titled "Model 1000 Amarr 2432", sheets 1 through 4 of 4, dated 01/25/17, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E. (Submitted under NOA No. 17-0321.05)

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) Tensile Test per ASTM E8
 - 5) Forced Entry Resistance Test per FBC, TAS 202-94

along with marked-up drawings and installation diagram of Amarr 16'-2"x 8' 24 ga. exterior/27 ga. interior steel insulated garage door Model 1000, prepared by American Test Lab, Inc., Test Report No. **ATLNC 1130.02-16**, dated 02/13/17 and addendum letter dated 06/19/17, both signed and sealed by David W. Johnson, P.E. (Submitted under NOA No. 17-0321.05)

2. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654-08 & Salt Spray (Fog) per ASTM B117-11, prepared by Intertek/ATI, Test Report No. C5463.01-106-18, dated 04/03/13, signed and sealed by Joseph A. Reed, P.E.

(Submitted under NOA No. 17-0321.05)

C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 03/02/17, signed and sealed by Thomas L. Shelmerdine, P.E. (Submitted under NOA No. 17-0321.05)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-1114.20 Expiration Date: 11/09/2027 Approval Date: 01/18/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

- 1. UL evaluation report on Surface Burning Characteristics per ASTM E84 an ANSI/UL723 of Grade 54 and 40 Expandable Polystyrene Resins manufactured by Flint Hills Resources, Evaluation Report #UL ER7503-01, dated May 22, 2013 and revised on May 12, 2014.
- 2. UL evaluation report on Potential Heat of Building Materials per NFPA 259-2008 and on Self-Ignition Temperature per ASTM D1929, Project #4786090680.1.1, File R7503, dated 12/20/2013, signed by R.K. Laymon.
- 3. Notice of Acceptance No. 17-0410.01 issued to Covestro, LLC for their "Makrolon Polycarbonate Sheets" dated 06/08/17, expiring on 08/27/22.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)** and of no financial interest, dated August 27, 2020, issued by Structural Solutions, PA., signed and sealed by Thomas L. Shelmerdine, P.E. (Submitted under NOA No. 20-1015.26)

G. OTHERS

1. Notice of Acceptance No. 17-1010.22, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 16'-2" Wide with Impact Resistant Windows – L.M.I., approved on 12/28/17 and expiring on 11/09/22.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NOA #22-0914.07

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0317.02** issued to **Plaskolite**, **LLC** for their "**TUFFAK Polycarbonate Sheets**" dated 04/21/22, expiring on 08/27/27.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-1114.20 Expiration Date: 11/09/2027

Approval Date: 01/18/2024

Amarr Garage Doors dba Entrematic

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)** and of no financial interest, dated August 23, 2022, issued by Structural Solutions, P.A., signed and sealed by Thomas L. Shelmerdine, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-1015.26**, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 16'-2" Wide with Impact Resistant Windows – L.M.I., approved on 01/21/21 and expiring on 11/09/22.

3. NEW EVIDENCE SUBMITTED

- A. DRAWINGS
 - 1. None.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0317.02** issued to **Plaskolite, LLC** for their "**TUFFAK Polycarbonate Sheets**" dated 04/21/22, expiring on 08/27/27.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8**th **Edition (2023)** and of no financial interest, dated 10/27/2023, issued by Structural Solutions, P.A., signed and sealed by Thomas L. Shelmerdine, P.E.

G. OTHERS

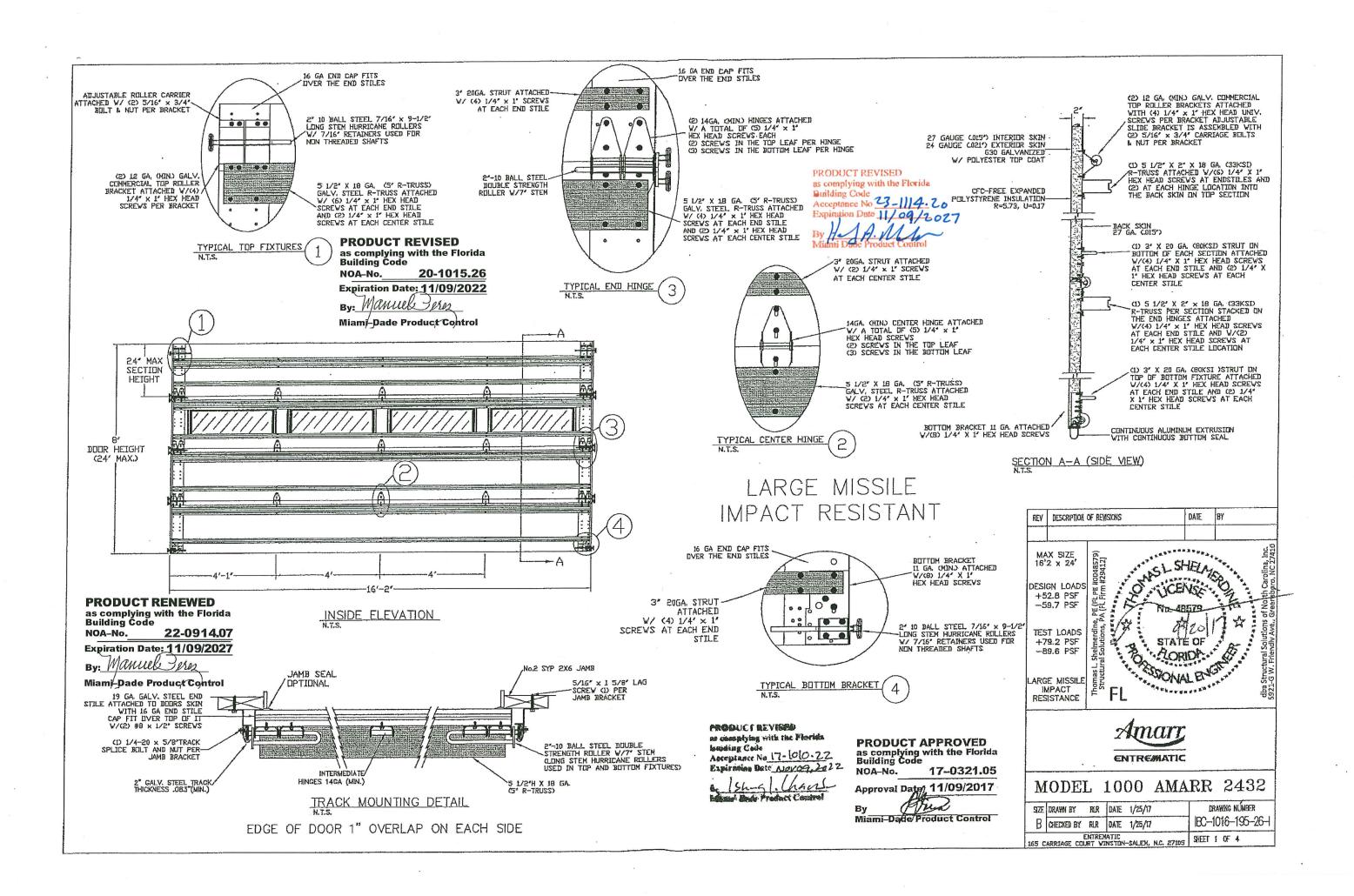
1. Notice of Acceptance No. **20-1015.26**, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 16'-2" Wide with Impact Resistant Windows – L.M.I., approved on 01/21/21 and expiring on 11/09/22.

Helmy A. Makar, P.E., M.S.

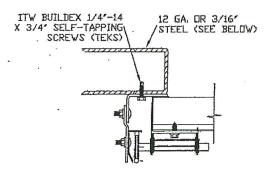
Product Control Section Supervisor

NOA No. 23-1114.20 Expiration Date: 11/09/2027

Approval Date: 01/18/2024



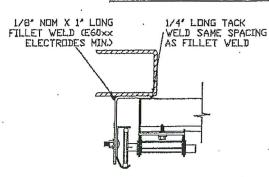
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



CLIP STYLE REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE

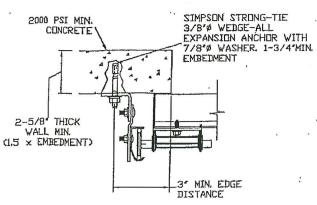
12 GA. STEEL FRAMING. 232 LBS./SCREW ALLOWABLE LOAD — 6* FROM ENDS AND 6* D.C. REFER TO NOTES: 1, 2 AND 5

3/16' STEEL FRAMING 569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 14' O.C. REFER TO NOTES: 1, 2 AND 5



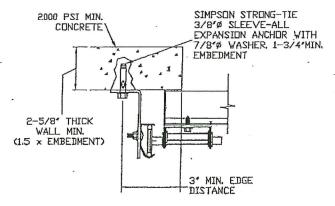
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 LBSJIN. ALLOWABLE LOAD -6' FROM ENDS AND 24' D.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8



CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT AVAILABLE

2000 PSI CONCRETE OR GREATER 351 LBS,/EXPANSION ANCHOR ALLOWABLE LOAD -6' FROM ENDS AND 8' O.C. REFER TO NOTES: 1, 2, 3, 4 AND 5



CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

2000 PSI CUNCRETE DR GREATER, 336 LBS:/EXPANSION ANCHOR ALLOWABLE LOAD - 6' FROM ENDS AND 8' D.C. REFER TO NOTES: 1, 2, 3, 4 AND 5

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 10" 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 18" 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)

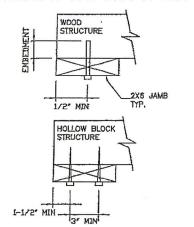
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

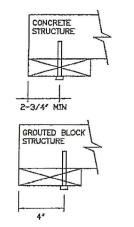
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT) HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

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





RODUCT REVISED complying with the Florida NOTESI

PRODUCT RENEWED as complying with the Florida **Building Code**

22-0914.07 SURFACE.

By: Manuel Peres

Miami-Dade Product Control

PER JAMB BRACKET (1-1/2" EMBEDMENT MINIMUM> (TYP.)

THE MAXIMUM ON-CENTER DISTANCE HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING. 23-1114.20 3. MIN. EGDE DISTANCE OF 3' REQUIRED. 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER. 5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.

1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND

2. FIRST (BUTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF

6, MOST GARAGE DOOR TRACK IS GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.

7. ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER
OR INSPECTED BY A CERTIFIED WELDING INSPECTOR TO
PROVERIFY THE INTEGRITY OF THE WELD.

8. FILLET WELDS TO HAVE A STRAIGHT DR CONVEX FACE

Expiration Date: 11/09/2027 RETATION OF TRACK ANGLE AT SAME SPACING TO PREVEN NOA-No.

PRODUCT REVISED as complying with the Florida Building Code

PRODUCTREVES

as complying with the Florida

Many Buds Product Centre

Acceptance No 17-1010-27

Expiration Bate 11/9/27

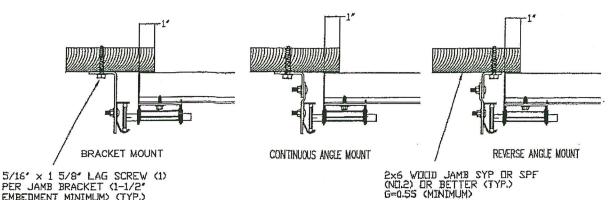
20-1015.26 Expiration Date: 11/09/2022

By: Manuel Peres

Miami-Dade Product Control

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1 ON PAGE 4



REV DESCRIPTION OF REVISIONS DATE 16'2 x 24' DESIGN LOADS +52.8 PSF -59.7 PSF TEST LOADS +79.2 PSF O TORIOT -89.6 PSF ARGE MISSILE IMPACT RESISTANCE ENTREMATIC

PRODUCT APPROVED

NOA-No.

as complying with the Florida Building Code

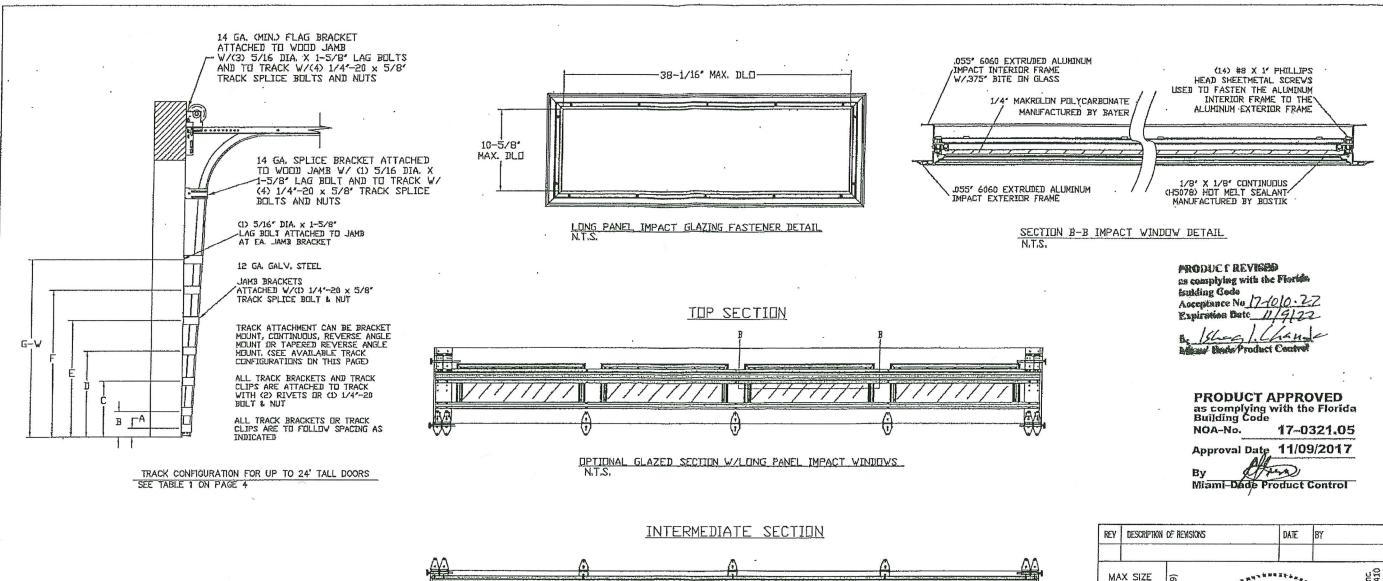
Approval Date 11/09/2017

Miami-Dade Product Control

17-0321.05

MODEL 1000 AMARR 2432

SIZE DRAWN BY RLR DATE 1/25/17 IBC-1016-195-26-1 B CHECKED BY RLR DATE 1/25/17 ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 OF 4



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; +426.8 LBS/FT & -482.6 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. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, G30 GALVANIZED W/POLYESTER TOP COAT

5. DOORS UP TO 24'0" HIGH USE (1) 5.5" 18GA R-TRUSS

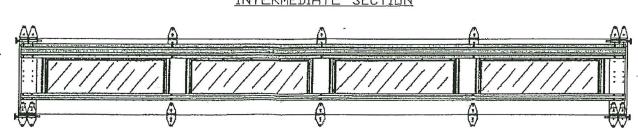
INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

AND (1) 3" 20GA STRUT PER SECTION

6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED
BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS

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 APPROVED LAB SELECTED AND 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 49,000 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.



PRODUCT REVISED

as complying with the Florida

DPTIONAL GLAZED SECTION W/LONG PANEL IMPACT WINDOWS

N.T.S.

INTERIOR OF GARAGE

MAX. WIDTH 16'0"

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1015.26

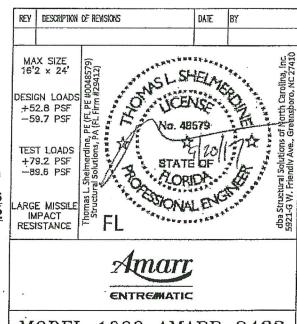
By: Manuel Properties

Miami-Pade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0914.07

Expiration Date: 11/09/2027

By: Manuel Product Control



MODEL 1000 AMARR 2432

SIZE DRAWN BY FLR DATE 1/25/17 DRAWING NUMBER

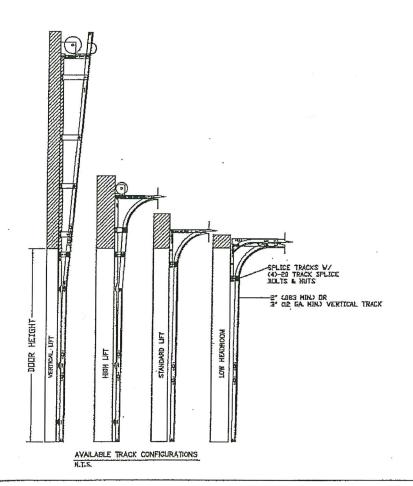
B CHECKED BY FLR DATE 1/25/17 IBC-1016-195-26-1

LES CARRIAGE COURT VINSTON-SALEM, N.C. 27JOS SHEET 3 OF 4

TABLE 1

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ALL TRACK ATTACHMENTS +/- 1" ALLOWED USING SYP NO.2 OR BETTER ONLY



PRODUCT REVISED

PRODUCT RENEWED

as complying with the Florida Building Code NOA-No. 22-0914.07

Expiration Date: 11/09/2027

Miami-Dade Product Control

PRODUCT REVISED

as complying with the Florida Building Code

NOA-No. 20-1015.26

Expiration Date: 11/09/2022

Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
behing Code Acceptance No 17-10/0.22

PRODUCT APPROVED as complying with the Florida Building Code

NOA-No.

17-0321.05

Approval Date, 11/09/2017

By
Wliami-Date Product Control

REV DESCRIPTION OF REVISIONS DESIGN LOADS H 52.8 PSF H 52.7 PSF H 2.2 TEST LOADS +79.2 PSF -89.6 PSF RESISTANCE



MODEL 1000 AMARR 2432

SIZE	DRAWN BY	RLR	DATE	1/25/17	DRAWHG NUMBER
В	CHECKED BY	RLR	DATE	1/25/17	IBC-1016-195-26-1
165 C	ARRIAGE COL	SHEET 4 OF 4			