



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/building

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 9'-2" Wide with Impact Resistant Windows – L.M.I.

APPROVAL DOCUMENT: Drawing No. **IBC-1009-195-15-I**, titled "Model 1000 Amarr 2432", sheets 1 through 4 of 4, dated 12/05/16, prepared by manufacturer, signed and sealed by Thomas L. Shelmerdine, P.E., on 09/20/2017, 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: 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 #22-0914.06** 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.**



Helmy A. Makar
01/18/2024

NOA No. 23-1114.19
Expiration Date: 11/09/2027
Approval Date: 01/18/2024
Page 1

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. 17-0321.04)
2. Drawing No. **IBC-1009-195-15-I**, titled "Model 1000 Amarr 2432", sheets 1 through 4 of 4, dated 12/05/16, prepared by manufacturer, signed and sealed by Thomas L. Shelmerdine, P.E.
(Submitted under NOA No. 17-0321.04)

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 9'-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 1017.01-16**, dated 12/13/16 and addendum letter dated 06/19/17, both signed and sealed by David W. Johnson, P.E.
(Submitted under NOA No. 17-0321.04)
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. 17-0321.04)

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. 17-0321.04)

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. 23-1114.19
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. 20-1015.25)

G. OTHERS

- 1. Notice of Acceptance No. 17-1010.21, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 9’-2” Wide with Impact Resistant Windows – L.M.I., approved on 12/21/17 and expiring on 11/09/22.

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 22-0914.06

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. 23-1114.19
Expiration Date: 11/09/2027
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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. **20-1015.25**, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 9'-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

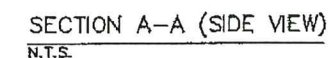
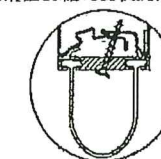
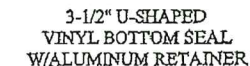
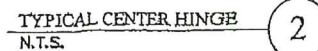
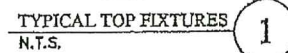
1. *Statement letter of conformance, complying with FBC 8th Edition (2023) and of no financial interest, dated 10/27/2023, issued by Structural Solutions, P.A., signed and sealed by Thomas L. Shelmerdine, P.E.*

G. OTHERS

1. Notice of Acceptance No. **20-1015.25**, issued to Amarr Garage Doors dba Entrematic for their Model 1000 Amarr 2432 Insulated Steel Sectional Garage Door up to 9'-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. 23-1114.19
Expiration Date: 11/09/2027
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3" 20GA STRUT ATTACHED
W/ (4) 1/4" x 1" SCREWS AT
EACH END STILE



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+55.1 PSF
-64.5 PSF

TEST LOADS
+82.7 PSF
-96.8 PSF

LARGE MISSILE IMPACT
RESISTANCE

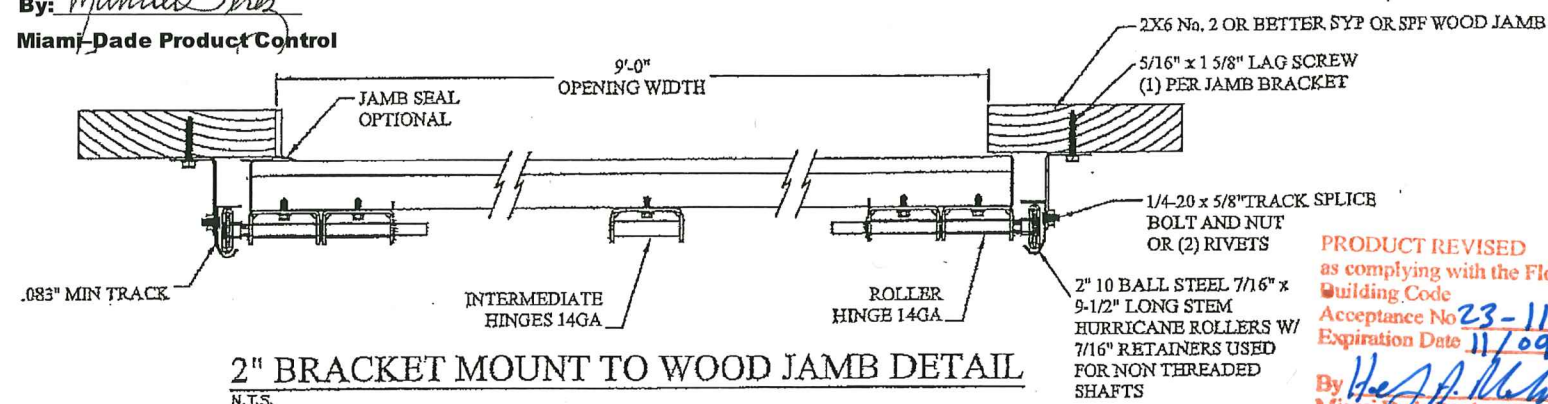
Thomas L. Shelmerdine, PE (FL PE #00048579)
Structural Solutions, PA (FL FIRM #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48679
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Amart
ENTREPRENEUR

MODEL 1000 AMARR 2432

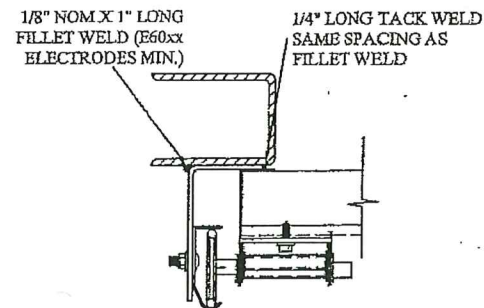
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B	CHECKED BY	RLR	DATE	12/05/16	
ENTRHEMATIC 165 CARRIAGE COURT WINTON-SALEM, NC 27105					SHEET 1 OF 4



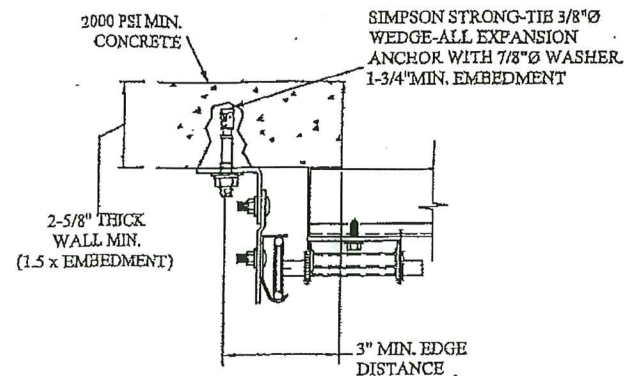
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 23-1114-19
Expiration Date 11/09/2027
By Heidi A. Miller
Miami Dade Product Control

LARGE MISSILE IMPACT
RESISTANT

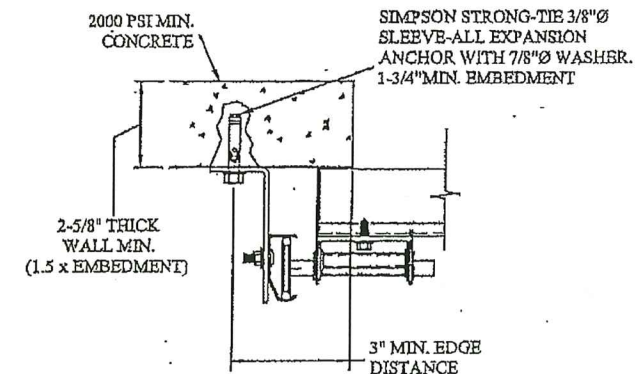
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



STEEL FRAMING 12GA OR BETTER
1590 LBS./IN. ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 5, 6, 7, 8 AND 9

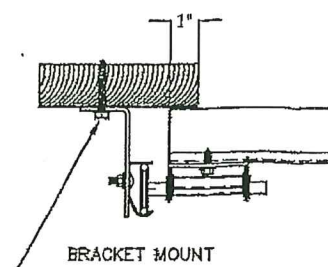
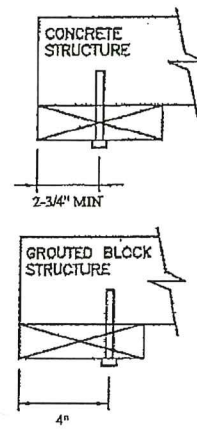
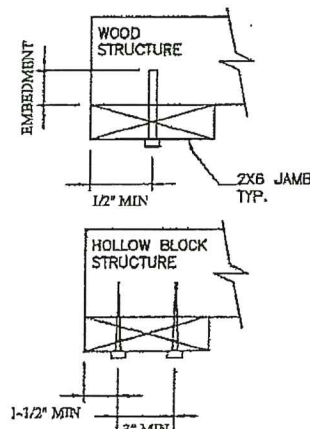


2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 16" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5



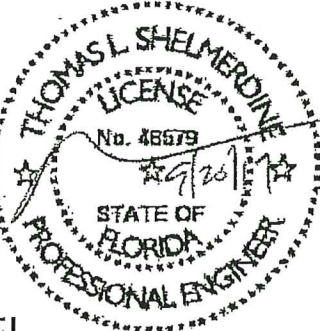

2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 16" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

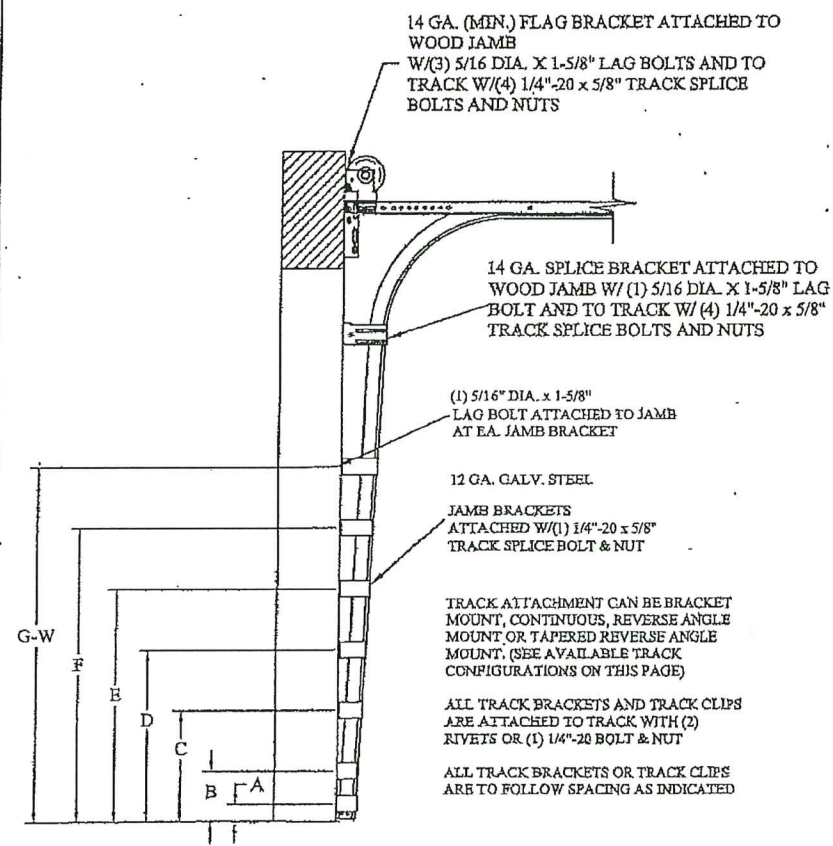
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE,
*PREPARATION OF WOOD JAMBS BY OTHERS



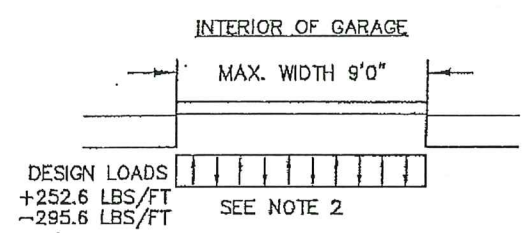
CONTINUOUS ANGLE MOUNT

REVERSE ANGLE MOUNT

REV	DESCRIPTION OF REVISIONS	DATE	BY
<p>MAX SIZE 9'2" x 24'</p> <p>DESIGN LOADS +55.1 PSF -64.5 PSF</p> <p>TEST LOADS +82.7 PSF -96.8 PSF</p> <p>LARGE MISSILE IMPACT RESISTANCE</p>		<p>Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)</p> <p>FL</p>  <p>dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410</p>	
			
<p>MODEL 1000 AMARR 2432</p>			
SIZE	DRAWN BY	DRO	DATE 11/16/16
B	CHECKED BY	RLR	DATE 12/05/16
ENTREMATIC			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IBC-1009-195-15-1
			SHEET 2 OF 4

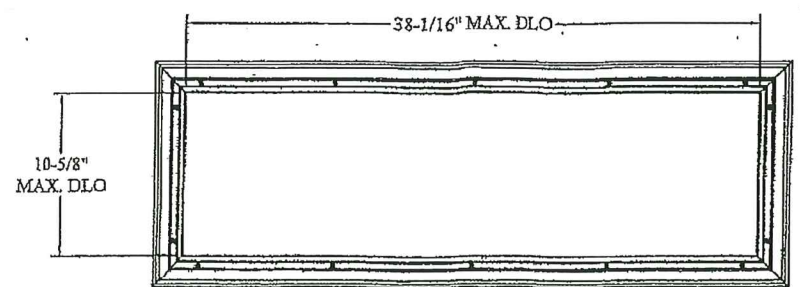


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 1 ON PAGE 4



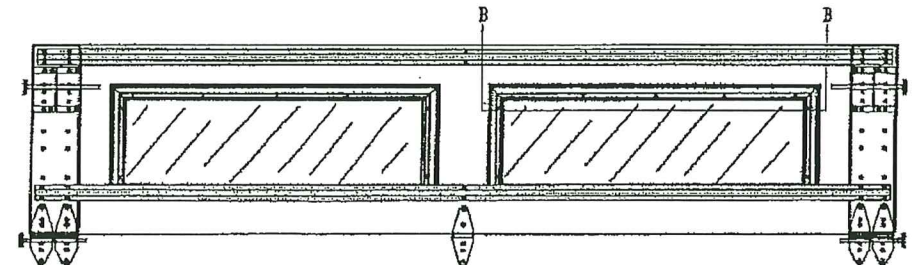
SPECIFICATIONS AND NOTES

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: +252.6 LBS/FT & -295.6 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. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, G30 GALVANIZED W/ POLYESTER TOP COAT
5. DOORS UP TO 24'0" HIGH HAVE (2) 3" 20GA STRUTS 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 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.



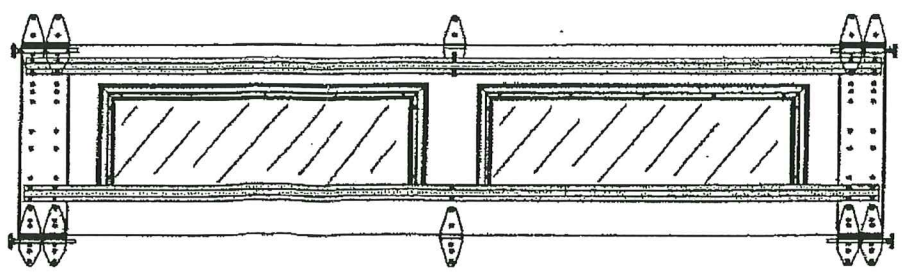
LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

TOP SECTION

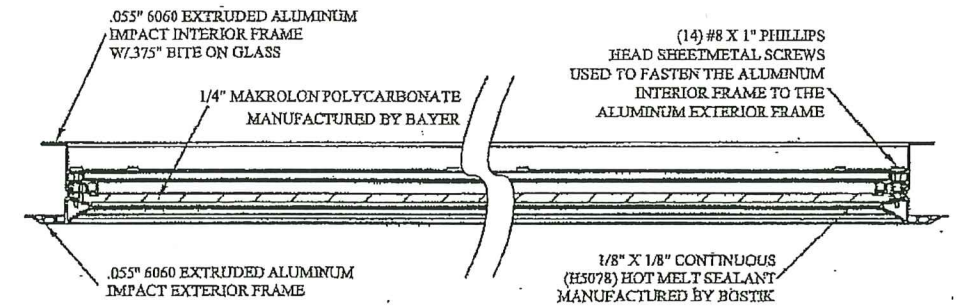


OPTIONAL GLAZED SECTION W/LONG PANEL IMPACT WINDOWS
N.T.S.

INTERMEDIATE SECTION



OPTIONAL GLAZED SECTION W/LONG PANEL IMPACT WINDOWS
N.T.S.



SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. **22-0914.06**
Expiration Date: **11/09/2027**
By: *Manuel Fern*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. **17-1010.21**
Expiration Date **11/9/22**
Shang J. Chan
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **20-1015.25**
Expiration Date: **11/09/2022**
By: *Manuel Fern*
Miami-Dade Product Control

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. **17-0321.04**
Approval Date **11/09/2017**
By: *[Signature]*
Miami-Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+55.1 PSF
-64.5 PSF

TEST LOADS
+82.7 PSF
-96.8 PSF

LARGE MISSILE IMPACT
RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
9/20/17
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

dia Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
ENTREMATIC

MODEL 1000 AMARR 2432

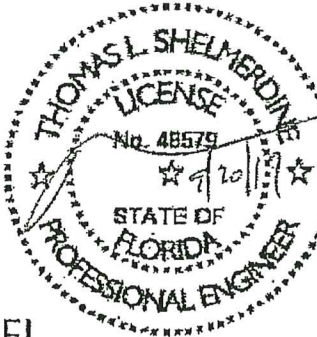
SIZE	DRAWN BY	DRD	DATE	11/16/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	12/05/16	IBC-1009-195-15-1
ENTREMATIC					SHEET 3 OF 4


165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. **23-1114.19**
Expiration Date **11/09/2027**
By: *Has P. Miller*
Miami-Dade Product Control

DOOR		TRACK ATTACHMENT																						
HEIGHT		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
7'	0"	3.5"	10.0"	22.0"	34"	46"	58"																	
7'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"																
8'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"																
8'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"															
9'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"															
9'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"														
10'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"														
11'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"													
12'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"												
13'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"											
14'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"										
15'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"									
16'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"								
17'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"							
18'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"						
19'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"					
20'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"				
21'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"			
22'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"		
23'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	
24'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"					

REV	DESCRIPTION OF REVISIONS	DATE	BY

<p>MAX SIZE 9'2" x 24'</p> <p>DESIGN LOADS +55.1 PSF -64.5 PSF</p> <p>TEST LOADS +82.7 PSF -96.8 PSF</p> <p>LARGE MISSILE IMPACT RESISTANCE</p>	<p>Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)</p> <p>FL</p>	 <p>Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)</p> <p>FL</p>	<p>dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410</p>
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ENTREMATICS

<h1>MODEL 1000 AMARR 2432</h1>			
SIZE B	DRAWN BY RLR	DRO RLR	DATE 11/18/16
CHECKED BY RLR	DATE 12/05/16	DRAWING NUMBER IBC-1009-195-15-1	

ENTREMATICS

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