



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](http://www.miamidade.gov/building)

**Roatan Mahogany USA, Inc.**  
**4004C Aurora Street**  
**Coral Gables, FL 33146**

### 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: Series "Swietenia" Wood Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **20-043**, titled "Swietenia Series - Fixed Windows", sheets 1 through 4 of 4, dated 05/20/22, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, 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:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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.

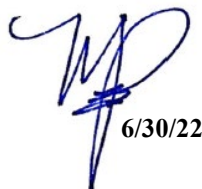
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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 **revises and renews** NOA No. **19-0808.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



  
6/30/22

NOA No. 22-0606.09  
Expiration Date: August 08, 2029  
Approval Date: July 07, 2022  
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. 02-0510.05)*
2. Drawing No. **18-104**, titled "Mahogany Fixed Windows", sheets 1 through 4 of 4, dated, dated 02/26/18, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.  
*(Submitted under NOA No. 18-0305.06)*

**B. TESTS**

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1006**, dated 10/26/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA No. 02-0510.05)*
2. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
along with marked-up drawings and installation diagram of a wood fixed window, diagram of a wood fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1184**, dated 10/29/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA No. 02-0510.05)*
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1095**, dated 11/02/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA No. 02-0510.05)*
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1077**, dated 09/09/01, signed and sealed by Hector M. Medina, P.E.  
*(Submitted under NOA No. 02-0510.05)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 22-0606.09

Expiration Date: August 08, 2029


Approval Date: July 07, 2022

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**

**B. TESTS (CONTINUED)**

5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a wood fixed window,  
prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1190**,  
dated 09/25/01, signed and sealed by Hector M. Medina, P.E.  
**(Submitted under NOA No. 02-0510.05)**
6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a wood fixed window,  
prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1079**,  
dated 09/26/01, signed and sealed by Hector M. Medina, P.E.  
**(Submitted under NOA No. 02-0510.05)**
7. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
along with marked-up drawings and installation diagram of a wood fixed window,  
prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1185**,  
dated 04/18/01, signed and sealed by Hector M. Medina, P.E.  
**(Submitted under NOA No. 02-0510.05)**
8. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a wood fixed window,  
prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1007**,  
dated 09/06/01, signed and sealed by Hector M. Medina, P.E.  
**(Submitted under NOA No. 02-0510.05)**
9. Test reports on: 1) Air Infiltration Test,  
2) Uniform Static Air Pressure Test,  
3) Water Resistance Test  
along with marked-up drawings and installation diagram of a wood fixed window,  
prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1186**,  
dated 04/18/01, signed and sealed by Hector M. Medina, P.E.  
**(Submitted under NOA No. 02-0510.05)**

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 22-0606.09  
Expiration Date: August 08, 2029  
Approval Date: July 07, 2022

**Roatan Mahogany USA, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Edition (2014), dated 04/21/16, prepared by EngCo, Inc., signed and sealed by Pedro M. De Figueiredo, P.E.  
*(Submitted under NOA No. 15-0921.12)*
2. Glazing complies with **ASTM E1300-04**.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0619.01** issued to **Polymer Extrusion Technology, Inc.** dba Glasslam for their "**Glasslam Safety-Plus II Glass Interlayer**" dated 07/26/18, expiring on 08/07/23.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)**, and of no financial interest, dated February 27, 2018, issued by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.  
*(Submitted under NOA No. 18-0305.06)*

**G. OTHERS**

1. Notice of Acceptance No. **18-0305.06**, issued to Roatan Mahogany USA, Inc. for their Series "Roatan Mahogany" Wood Fixed Window – L.M.I., approved on 05/03/18 and expiring on 08/08/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 22-0606.09  
Expiration Date: August 08, 2029  
Approval Date: July 07, 2022

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **20-043**, titled “Swietenia Series - Fixed Windows”, sheets 1 through 4 of 4, dated, dated 05/20/22, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series “Swietenia” outswing double entrance door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-19-8842**, dated 01/04/21, signed and sealed by Idalmis Ortega, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series “Swietenia” fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-19-8843**, dated 01/29/19, signed and sealed by Idalmis Ortega, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 7<sup>th</sup> Edition (2020), dated 04/17/22, prepared by EngCo, Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0619.01** issued to **Polymer Extrusion Technology, Inc.** dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**” dated 07/26/18, expiring on 08/07/23.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 22-0606.09  
Expiration Date: August 08, 2029  
Approval Date: July 07, 2022

**Roatan Mahogany USA, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED (CONTINUED)**

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)**, and of no financial interest, dated May 20, 2022, issued by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.
2. Testing Proposal No. **19-0021** issued by the Product Control Section, dated January 25, 2019, signed by Ishaq Chanda, P.E.
3. Testing Proposal No. **19-0022** issued by the Product Control Section, dated January 25, 2019, signed by Ishaq Chanda, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **19-0808.07**, issued to Roatan Mahogany USA, Inc. for their Series "Roatan Mahogany" Wood Fixed Window – L.M.I., approved on 08/22/19 and expiring on 08/08/24.



---

Manuel Perez, P.E.

Product Control Examiner

NOA No. 22-0606.09

Expiration Date: August 08, 2029

Approval Date: July 07, 2022



GENERAL NOTES:

FLORIDA BUILDING CODE 2020 - 7TH EDITION - HVHZ  
LARGE & SMALL MISSILE IMPACT RATED

1- DEFINITION: THIS PRODUCT IS A FIXED WOOD WINDOW; DESIGNED, CONSTRUCTED AND ERECTED TO ENCLOSE AN AREA, PROVIDING PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.

2- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, HIGH VELOCITY HURRICANE ZONES (HVHZ).

3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:

"ROATAN MAHOGANY USA, INC. - MIAMI - FLORIDA  
LARGE MISSILE IMPACT RESISTANT  
SWIETENIA SERIES WOOD FIXED WINDOW  
MIAMI-DADE COUNTY PRODUCT APPROVED"

4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-16 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HERE IN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-16, ARE TO BE MULTIPLE BY 0.6

5- MATERIAL: WOOD TYPE: VERNACULAR NAME: TRUE MAHOGANY  
SCIENTIFIC NAME: SWIETENIA MACROPHYLLA G. KING  
FAMILY: MELIACEAE  
MINIMUM SPECIFIC GRAVITY, SG= 0.45  
MATERIAL TO BE FABRICATED FROM KILN DRIED MAHOGANY.  
ALTERNATE WOOD SPECIES WITH SG>= 0.45 ARE ACCEPTABLE

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

7.1- THE STABILITY OF THE STRUCTURE WHERE THE SHUTTER IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

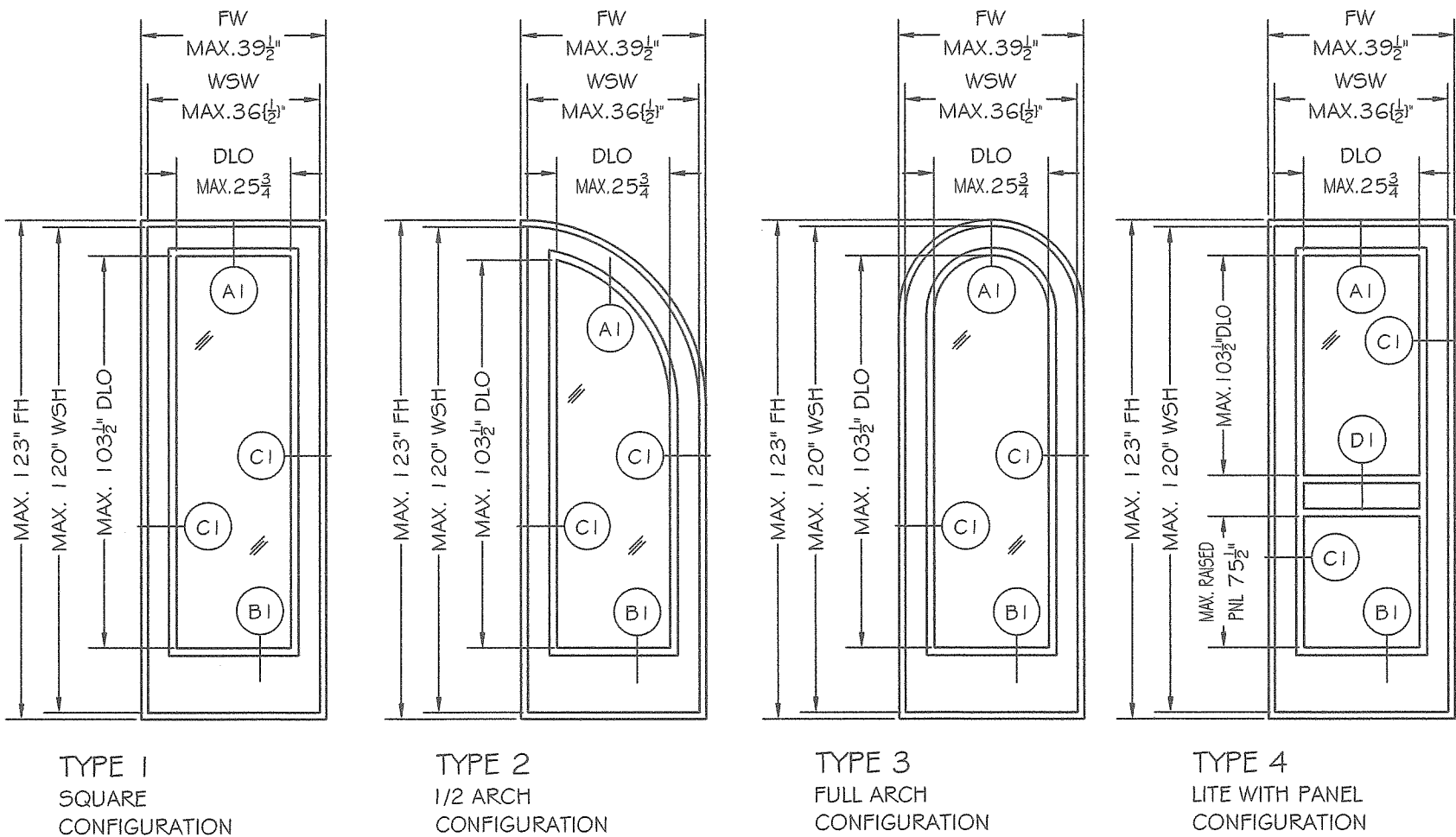
7.2- THE SITE SPECIFIC PROJECT CRITERIA,SUCH AS BUT NOT LIMITED TO,WINDLOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

TABLE OF CONTENTS:

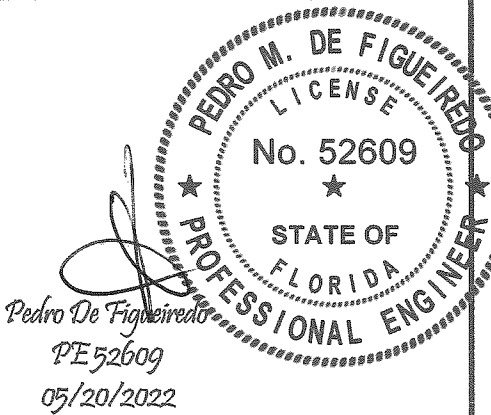
SHEET	CONTENTS
1 OF 4	TYPICAL ELEVATIONS, DESIGN RATING, GENERAL NOTES
2 OF 4	TYPICAL ANCHORAGE LAY-OUT AND DETAILS
3 OF 4	TYPICAL CROSS SECTIONS & GLAZING OPTIONS
4 OF 4	PRODUCT COMPONENTS, ASSEMBLY AND BILL OF MATERIALS

TYPICAL ELEVATIONS



GLAZING TYPE	DESIGNED PRESSURE RATING (PSF)	
A & C	+75	-75
B & D	+75	-70

- 1- MAXIMUM FRAME SIZES: FW= 39 1/2" X FH= 123"
- 2- SEE GLAZING TYPES SPECS ON SHEET 3 OF 4
- 3- FH: FRAME FINISHED HEIGHT
- 4- FW: FRAME FINISHED WIDTH
- 5- DLO: DAY LIGHT OPENING APPLICABLE FOR GLASS
- 6- WSH: WINDOW SASH HEIGHT
- 7- WSW: WINDOW SASH WIDTH



PRODUCT CATEGORY: WINDOWS - FIXED  
PRODUCT MATERIAL: WOOD / GLASS  
IMPACT RATING: LARGE & SMALL MISSILE  
WOOD FIXED WINDOW  
SWIETENIA SERIES - FIXED WINDOWS

MANUFACTURER:  
ROATAN  
MAHOGANY USA INC.  
4004C AURORA STREET  
CORAL GABLES FLORIDA

SCALE:  
NA  
DATE:  
05/20/2022  
DRAWING #  
22-043  
SHEET  
1 OF 4

MIAMI-DADE BCCO:

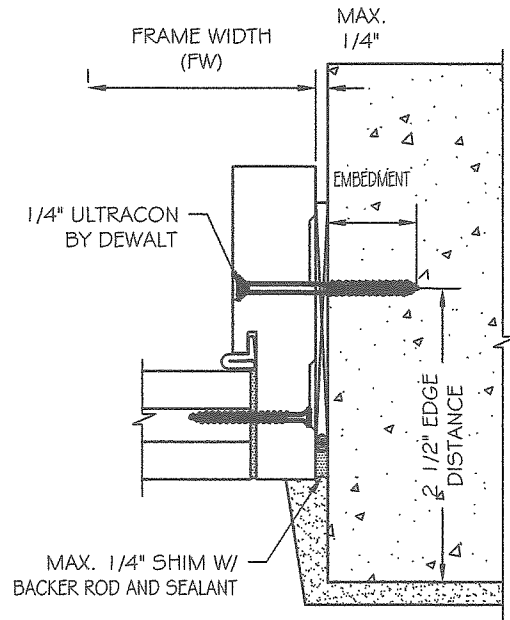
**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **22-0606.09**

Expiration Date: **08/08/2029**

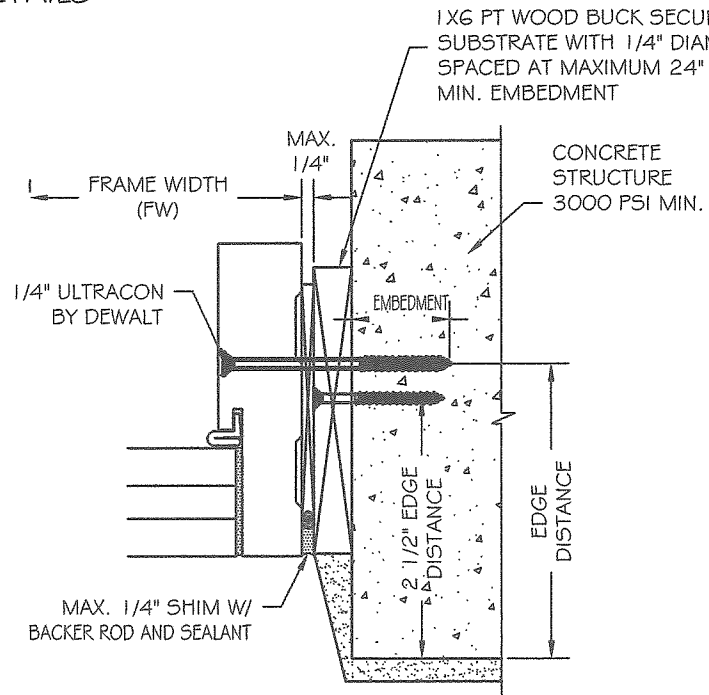
By: *Manuel Perez*  
Miami-Dade Product Control

## TYPICAL ANCHORAGE DETAILS



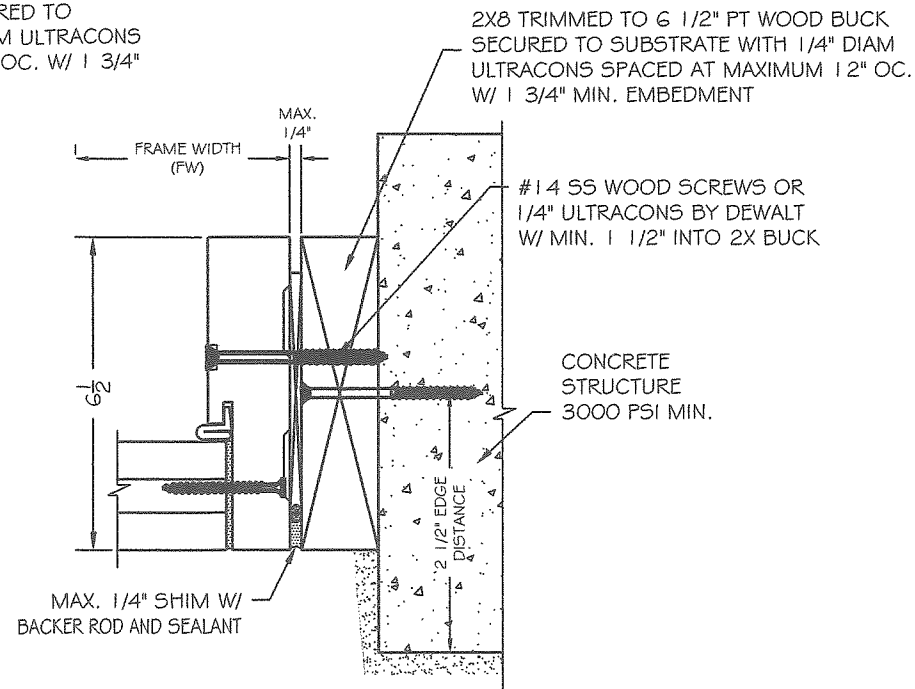
OPTION 1

FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.  
EMBEDMENT INTO CONCRETE  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)



OPTION 2

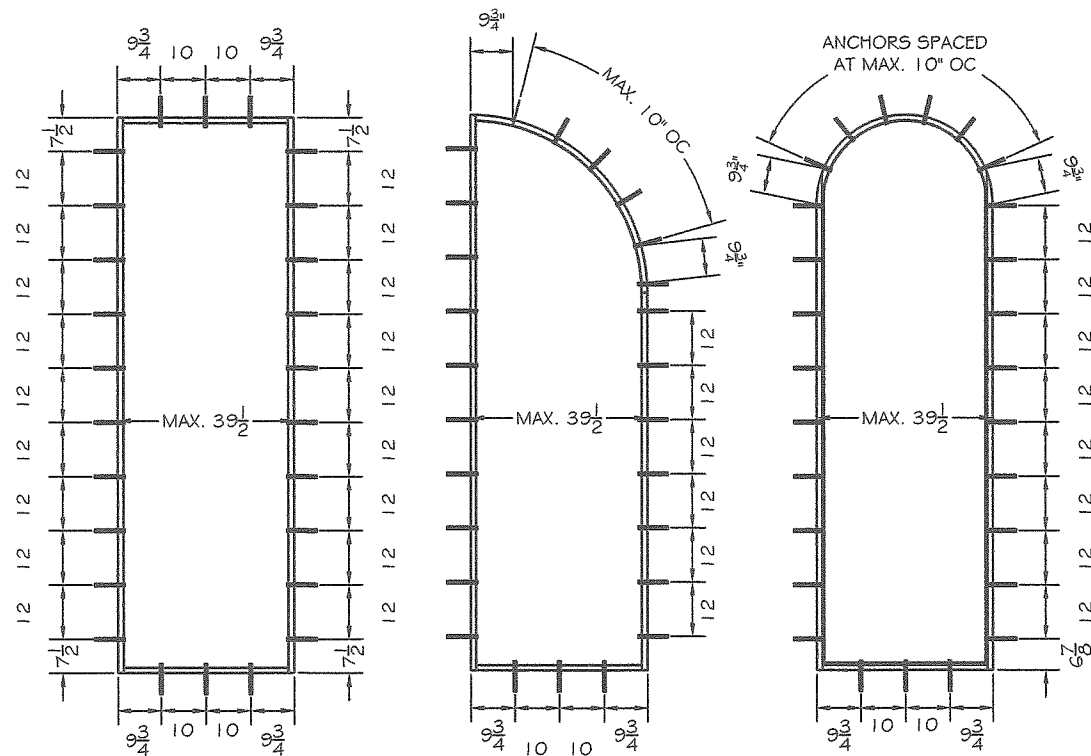
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
AND 1"X PT CONT. WOOD SPACER  
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.  
EMBEDMENT INTO CONCRETE  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)



OPTION 3

FRAME WITH MAXIMUM 1/4" PT WOOD SHIM AND  
SECURED TO THE 2X PT CONT. WOOD BUCK WITH  
#14 SS WOOD SCREWS OR 1/4" ULTRACONS WITH  
1 1/2" MIN. EMBEDMENT INTO WOOD (SG=.55)  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)

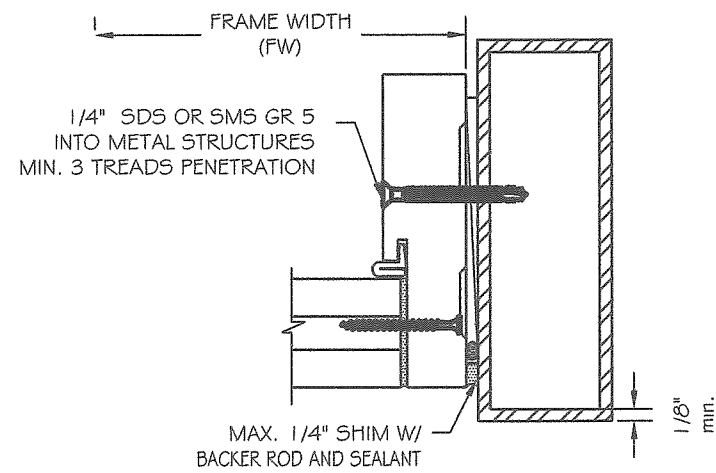
### TYPICAL ELEVATIONS ANCHORAGE LAY-OUT



TYPE 1 AND 4

TYPE 2

TYPE 3



OPTION 4

FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
1/4"-20 SELF DRILLING SCREWS GRADE 5  
INTO MINIMUM 1/8" THICK METAL STRUCTURE  
A36 STEEL OR 6063-T6 ALUMINUM  
(SEE ELEVATIONS FOR ANCHORS LAY-OUT)

MIAMI-DADE BCCO:

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

NOA-No. 22-0606.09

**Expiration Date: 08/08/2029**

By: Manuel Perez  
Miami-Dade Product Control

**Miami-Dade Product Control**

PRODUCT CATEGORY: WINDOWS - FIXED  
PRODUCT MATERIAL: WOOD / GLASS

IMPACT RATING: LARGE & SMALL MISSILE

WOOD FIXED WINDOW

SWIETENIA SERIES - FIXED WINDOWS

MANUFACTURER:

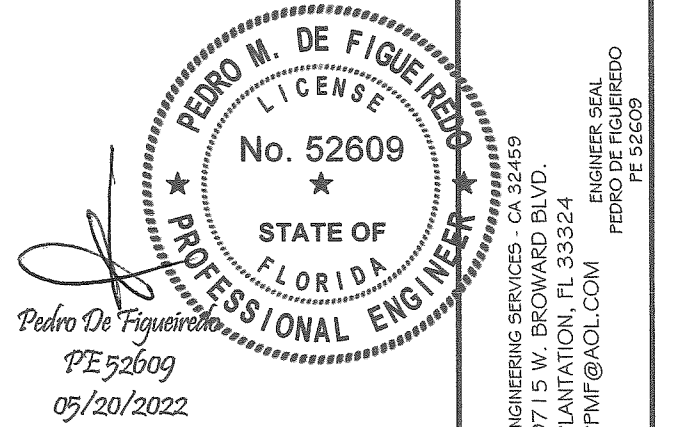
ROATAN  
MAHOGANY L  
4004C AUR  
CORAL GAB

SCALE:  
NA

DATE:  
1/20/2022

DRAWING #  
22-043

SHEET  
2 OF 4



ENGINEERING SERVICES - CA 32459  
9715 W. BROWARD BLVD.

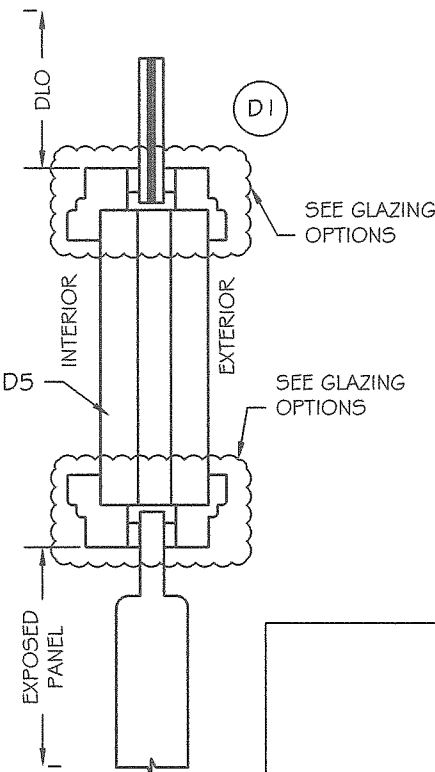
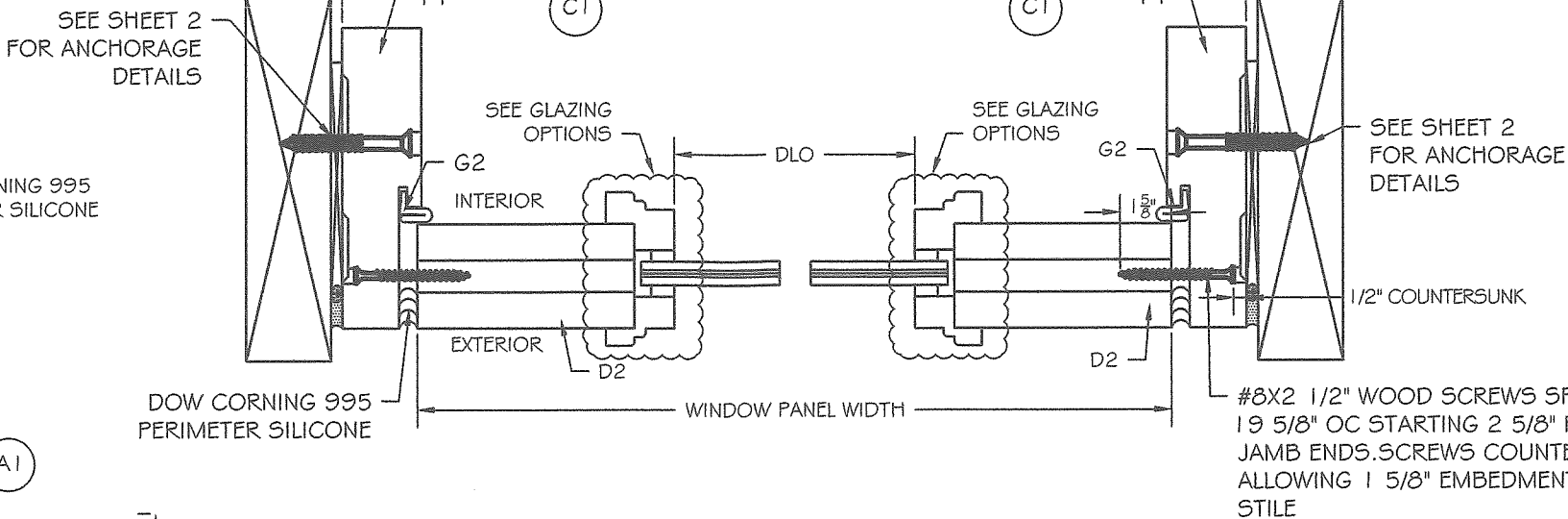
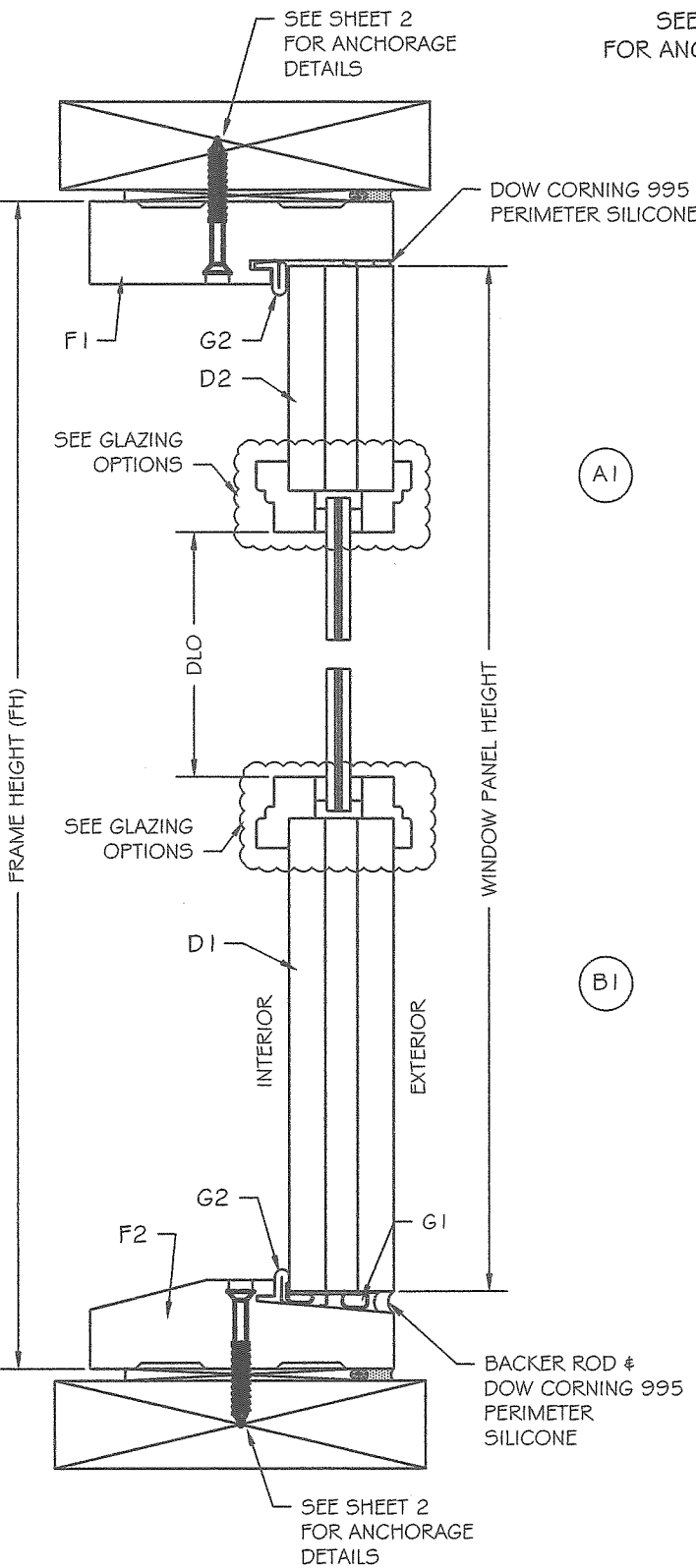
PPMF@AOL.COM  
ENGINEER

PEDRO DE F  
PE 52

PEDRO DE FIGUEIRE  
PE 52609



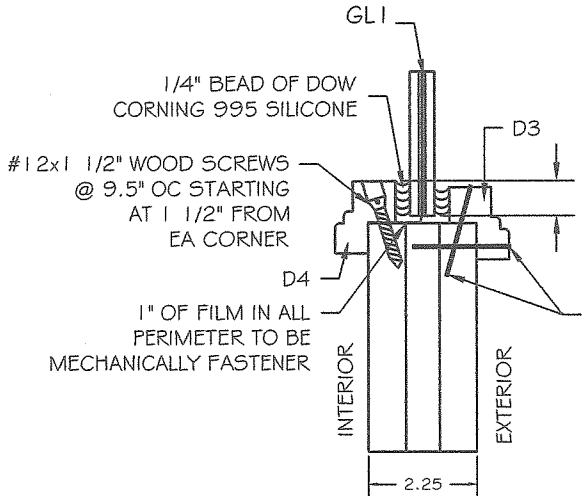
TYPICAL CROSS SECTIONS



GLAZING OPTIONS

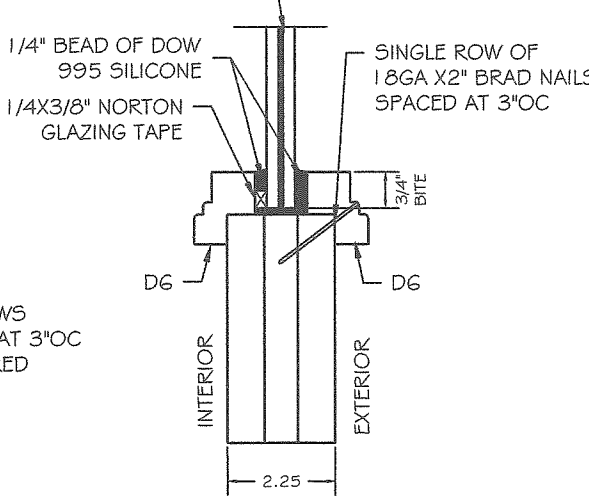
RATED: +75,-75 PSF

A



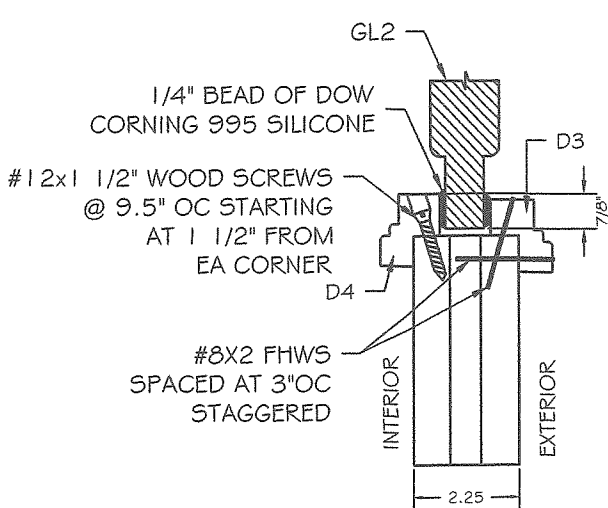
RATED: +75,-70 PSF

B



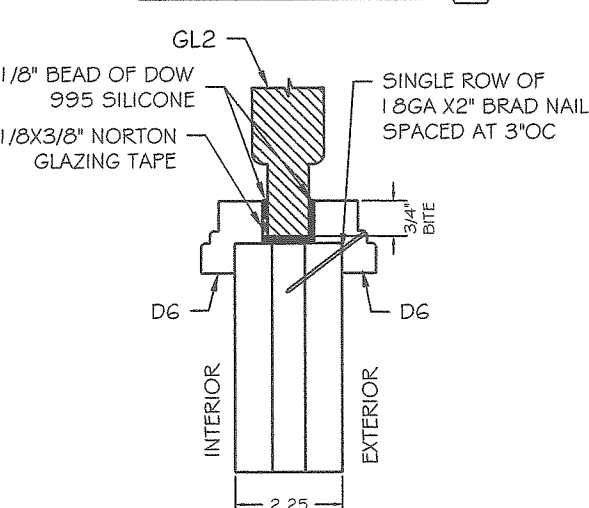
RATED: +75,-75 PSF

C



RATED: +75,-70 PSF

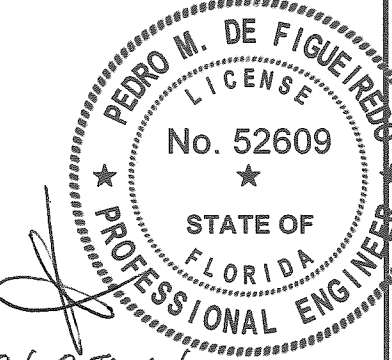
D



MIAMI-DADE BCCO:

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **22-0606.09**  
Expiration Date: **08/08/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control

Pedro De Figueiredo  
PE 52609  
05/20/2022



PRODUCT CATEGORY: WINDOWS - FIXED  
PRODUCT MATERIAL: WOOD / GLASS  
IMPACT RATING: LARGE & SMALL MISSILE  
**WOOD FIXED WINDOW**  
SWIETENIA SERIES - FIXED WINDOWS

MANUFACTURER:  
**ROATAN**  
MAHOGANY USA INC.  
4004C AURORA STREET  
CORAL GABLES FLORIDA

SCALE: NA  
DATE: 05/20/2022  
DRAWING #: 22-043  
SHEET: 3 OF 4



ENGINEERING SERVICES - CA 32459  
9715 W. BROWARD BLVD.  
PLANTATION, FL 33324  
PDMF@AOL.COM  
ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609

