



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

Roatan Mahogany USA, Inc.
7005 N. Waterway Drive, Ste. 302
Miami, FL 33155

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 "Roatan Euro Profile" Outswing Wood Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **23-153**, titled "Roatan Euro Profile – Casement Windows", sheets 1 through 9 of 9, dated 09/04/23, 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.

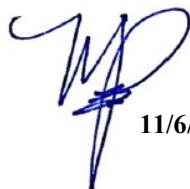
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 **NOA No. 20-1013.13** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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




11/6/23

NOA No. 23-0928.30
Expiration Date: June 07, 2028
Approval Date: November 16, 2023
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. 18-0206.05)
2. Drawing No. **20-150**, titled "Roatan Euro Profile – Casement Windows", sheets 1 through 9 of 9, dated 09/10/20 prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.
(Submitted under NOA No. 20-1013.13)

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
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
7) Drop Load Test, per FBC 1618.4.6
along with marked-up drawings and installation diagram of an outswing wood casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-16-6910**, dated 08/09/17, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 18-0206.05)

C. CALCULATIONS

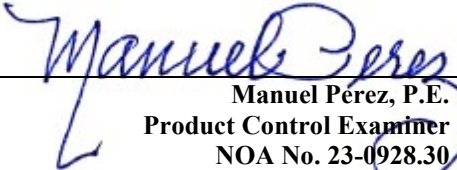
1. Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 02/04/18 and revised on 05/16/18, prepared by PPMF, Inc., signed and sealed by Pedro M. De Figueiredo, P.E.
(Submitted under NOA No. 18-0206.05)
2. Glazing complies with **ASTM E1300-09/12**.

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. 23-0928.30
Expiration Date: June 07, 2028
Approval Date: November 16, 2023

Roatan Mahogany USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

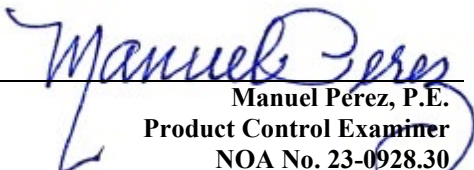
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated September 10, 2020, issued by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.
(Submitted under NOA No. 20-1013.13)

G. OTHERS

1. Notice of Acceptance No. **18-0206.05**, issued to Roatan Mahogany USA, Inc. for their Series "Roatan Euro Profile" Outswing Wood Casement Window – L.M.I., approved on 06/07/18 and expiring on 06/07/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0928.30
Expiration Date: June 07, 2028
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Roatan Mahogany USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **23-153**, titled “Roatan Euro Profile - Casement Windows”, sheets 1 through 9 of 9, dated, dated 09/04/23, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

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. **23-0523.01** issued to **Polymer Extrusion Technology, Inc.** dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**” dated 06/15/23, expiring on 08/07/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, and of no financial interest, dated September 04, 2023, issued by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

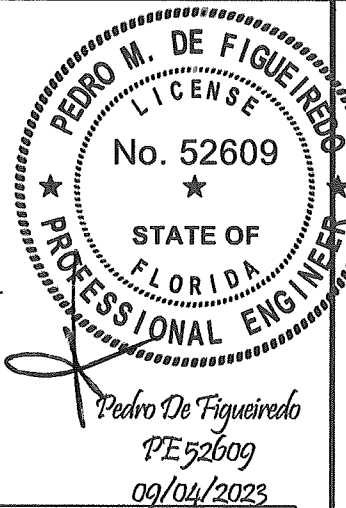
G. OTHERS

1. Notice of Acceptance No. **20-1013.13**, issued to Roatan Mahogany USA, Inc. for their Series “Roatan Euro Profile” Outswing Wood Casement Window – L.M.I., approved on 01/07/21 and expiring on 06/07/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0928.30
Expiration Date: June 07, 2028
Approval Date: November 16, 2023

ROATAN EURO PROFILE

CASEMENT WINDOWS



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



PRODUCT CATEGORY: WINDOWS - CASEMENT
PRODUCT MATERIAL: WOOD / GLASS
IMPACT RATING: LARGE & SMALL MISSILE
ROATAN EURO PROFILE
CASEMENT WINDOWS

MANUFACTURER:
ROATAN
MAHOGANY USA INC.
7005 N. WATERWAY DR. 302
MIAMI FLORIDA 33155

GENERAL NOTES:

FLORIDA BUILDING CODE 2023 - 8th EDITION
HIGH VELOCITY HURRICANE ZONES - HVHZ
LARGE & SMALL MISSILE IMPACT RATED

- 1- DEFINITION: THIS PRODUCT IS A CASEMENT MAHOGANY WINDOW; DESIGNED, CONTRUCTED 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 2023 FLORIDA BUILDING CODE 8th EDITION, 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
ROATAN EURO PROFILE CASEMENT WINDOW
MIAMI-DADE COUNTY PRODUCT APPROVED"
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-22 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 7-22, ARE TO BE MULTIPLE BY 0.6.
- 5- MATERIAL: ALL WOOD MATERIAL TO BE FABRICATED FROM KILN DRIED MAHOGANY.
- 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 9	GENERAL NOTES, TABLE OF CONTENTS
2 OF 9	MODEL A1 - TYPICAL ELEVATION AND ANCHORAGE
3 OF 9	MODEL B1 & C1 - TYPICAL ELEVATION AND ANCHORAGE
4 OF 9	MODEL D1 - TYPICAL ELEVATION AND ANCHORAGE
5 OF 9	ANCHORAGE DETAILS AND ANCHORS SPECIFICATIONS
6 OF 9	TYPICAL CROSS SECTIONS
7 OF 9	MODEL OPTIONS & ASSEMBLY DETAILS
8 OF 9	BILL OF MATERIALS AND GLAZING OPTIONS
9 OF 9	PRODUCT COMPONENTS

TEST REPORT: 16-6910 GENERAL NOTES: LABORATORY: FENESTRATION TESTING LABORATORY, INC	
SAMPLE A1: 164 3/4" X 98 1/8", CONFIGURATION: O-XX-O 35 3/4" X 96" INACTIVE PANEL 36 1/2" X 96" ACTIVE PANEL ASTM E283, WATER RESITANCE: 10.5 PSF FORCE ENTRY TAS 202 - (+70,-60 PSF) TAS 201 - LMI TAS 203 - (+70,-60 PSF)	SAMPLE C1: 75 7/8" X 98 3/4", CONFIGURATION: XX 37" X 96" INACTIVE PANEL 36" X 96" ACTIVE PANEL ASTM E283, WATER RESITANCE: 10.5 PSF FORCE ENTRY TAS 202 - (+70,-60 PSF) TAS 201 - LMI TAS 203 - (+70,-70 PSF)
SAMPLE B1: 75 5/8" X 97 5/8", CONFIGURATION: XX 37" X 96" INACTIVE PANEL 34 1/4" X 96" ACTIVE PANEL ASTM E283 - FORCE ENTRY TAS 202 - (+75,-70 PSF) TAS 201 - LMI TAS 203 - (+75,-70 PSF)	SAMPLE D1: 134" X 98 1/2", CONFIGURATION: XOX 37" X 96" INACTIVE PANEL 42" X 96" ACTIVE PANEL ASTM E283, WATER RESITANCE: 11.25 PSF FORCE ENTRY TAS 202 - (+75,-75 PSF) TAS 201 - LMI TAS 203 - (+75,-75 PSF)

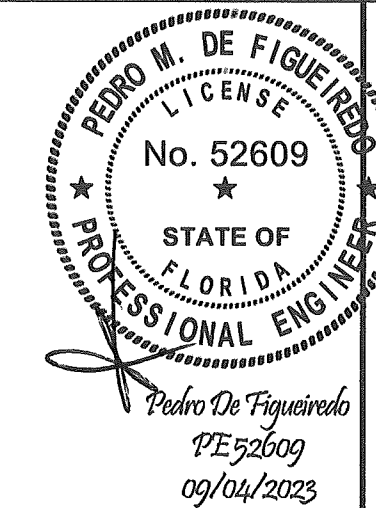
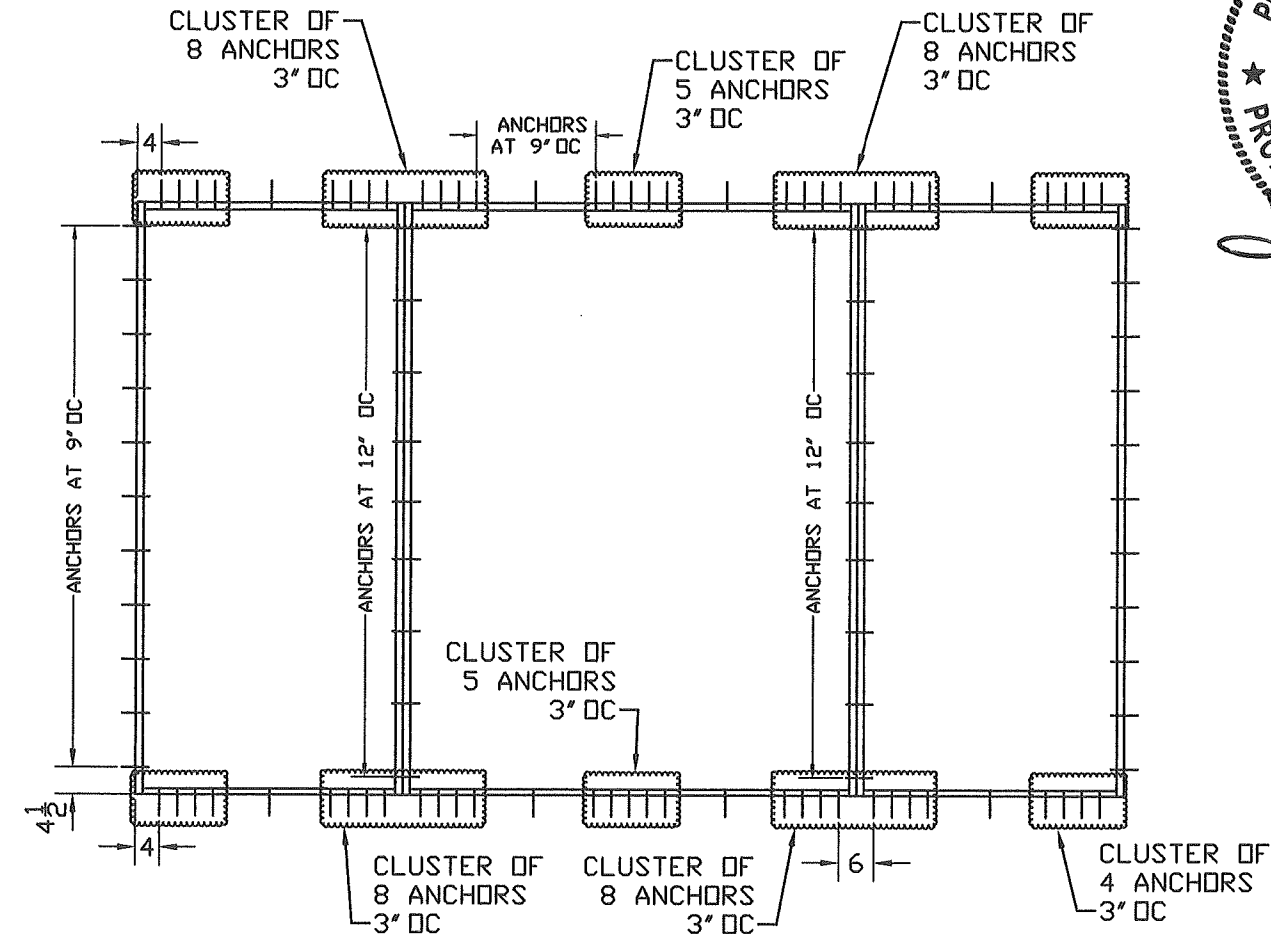
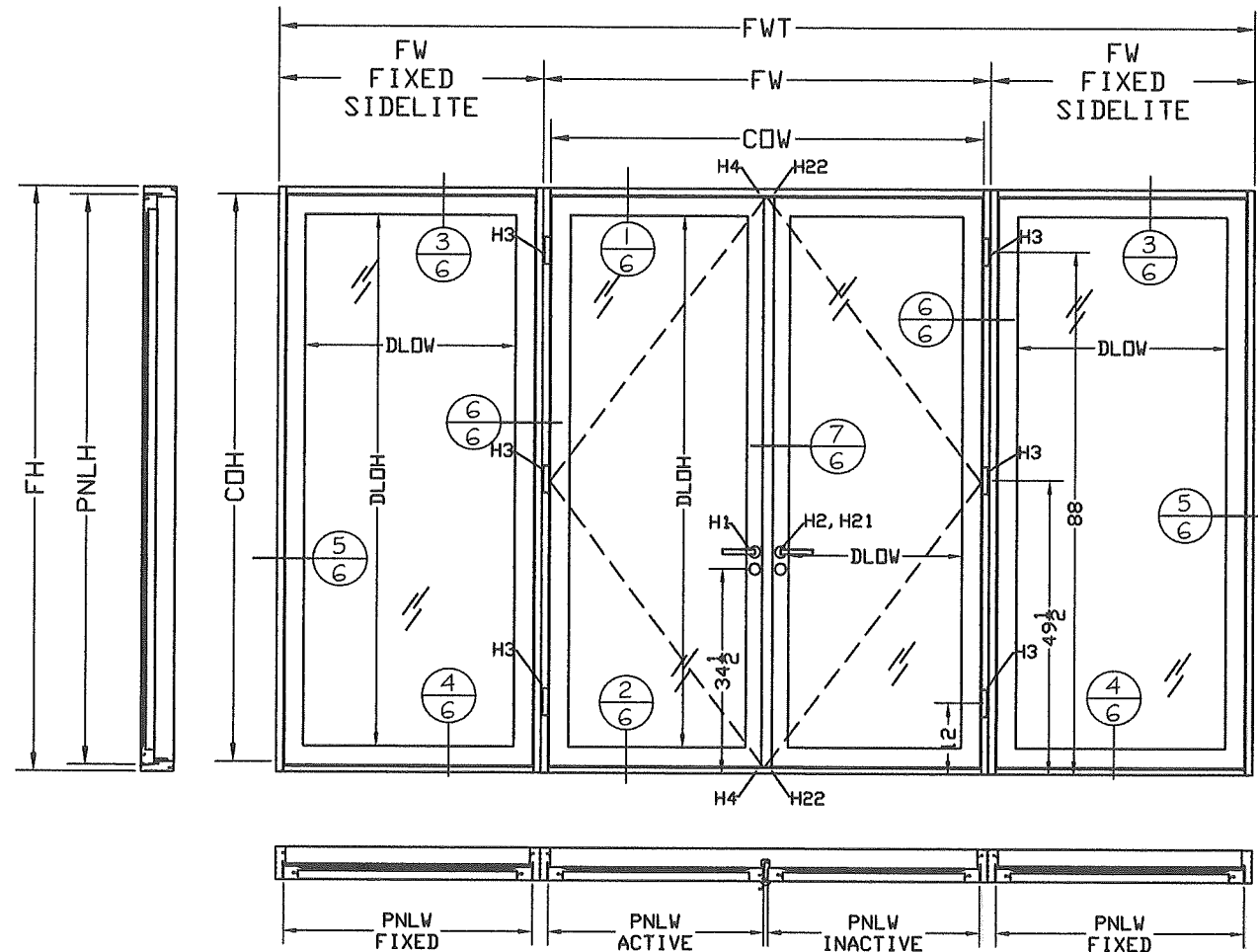
DESIGNED PRESSURE RATING $P_d = +70, -60$ PSF
MAXIMUM FRAME SIZES: SEE ELEVATIONS ON SHEETS 2, 3 AND 4
MAXIMUM CLADDING SIZES: SEE ELEVATIONS ON SHEETS 2, 3 AND 4
LEGEND FH - FRAME HEIGHT FW - FRAME WIDTH COW - CLEAR OPENING WIDTH COH - CLEAR OPENING HEIGHT DLOW- DAY LIGHT OPENING WIDTH DLOH- DAY LIGHT OPENING HEIGHT PNLH - SLAB PANEL HEIGHT PNLW - SLAB PANEL WIDTH

WOOD TYPE:
VERNACULAR NAME: TRUE MAHOGANY OR SIMILAR SCIENTIFIC NAME: SWIETENIA MACROPHYLLA G. KING FAMILY: MELIACEAE MINIMUM SPECIFIC GRAVITY: SG= 0.45
GLASS TYPE:
9/16" AND 1 1/16" IG LAMINATED IMPACT GLASS SAFETY-PLUS II INTERLAYER AS PER CURRENT NOA SEE SHEET 8 FOR MORE DETAILS

MIAMI-DADE BCCO:
PRODUCT REVISED As complying with the Florida Building Code NOA-No. 23-0928.30 Expiration Date: 06/07/2028 By: <i>Manuel Perez</i> Miami-Dade Product Control

SCALE:
NA
DATE:
09/04/2023
DRAWING #
23-153
SHEET
1 OF 9

MODEL A1 - TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



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PE 52609



PRODUCT CATEGORY: WINDOWS - CASEMENT
PRODUCT MATERIAL: WOOD / GLASS
IMPACT RATING: LARGE & SMALL MISSILE
ROATAN EURO PROFILE
CASEMENT WINDOWS

<p>FRAME & SLAB MAXIMUM SIZES:</p> <p>FWT X FH = 164 3/4" X 98 1/8"</p> <p>FW SIDELITE= 44 5/8"</p> <p>FW OPERABLE= 75 1/2"</p> <p>PNLW X PNLH = 42" X 96" FIXED</p> <p>PNLW X PNLH = 36" X 96" ACTIVE</p> <p>PNLW X PNLH = 36" X 96" INACTIVE</p> <p>COW X COH = 71 1/2" X 93 7/8"</p>	<p>MAXIMUM GLAZING DLO</p> <p>FIXED PANELS:</p> <p>1 1/16" IG GLAZING: 35 1/2" X 89 1/2"</p> <p>9/16" GLAZING 35 1/2" X 89 1/2"</p> <p>OPERABLE PANELS:</p> <p>1 1/16" IG GLAZING: 29 3/8" X 89 1/2"</p> <p>9/16" GLAZING 29 3/8" X 89 1/2"</p>
<p>LEGEND</p> <p>FWT - FRAME TOTAL WIDTH, FH - FRAME HEIGHT, FW - FRAME WIDTH</p> <p>COW - CLEAR OPENING WIDTH, COH - CLEAR OPENING HEIGHT</p> <p>DLOW- DAY LIGHT OPENING WIDTH, DLOH- DAY LIGHT OPENING HEIGHT</p> <p>PNLH - SLAB PANEL HEIGHT, PNLW - SLAB PANEL WIDTH</p>	

MIAMI-DADE BCCO:

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0928.30**
Expiration Date: **06/07/2028**
By: *Manuel Perez*
Miami-Dade Product Control

MANUFACTURER:

ROATAN
MAHOGANY USA INC.
7005 N. WATERWAY DR. 302
MIAMI FLORIDA 33155

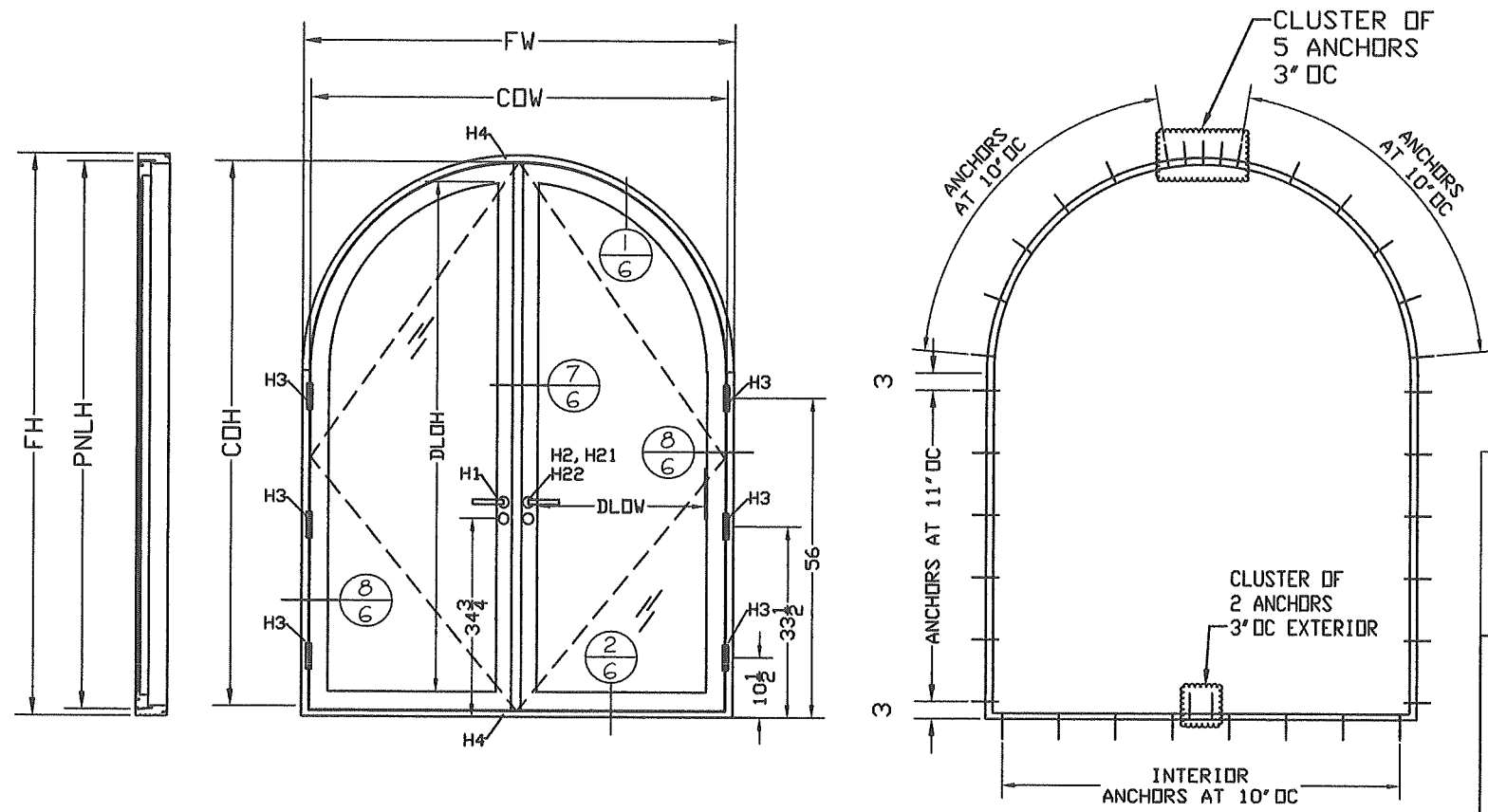
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DATE:
09/04/2023

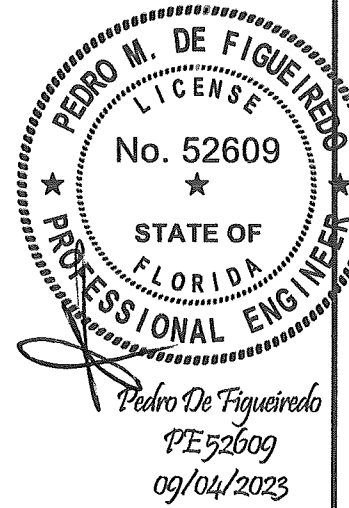
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23-153

SHEET
2 OF 9

MODEL B I - TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



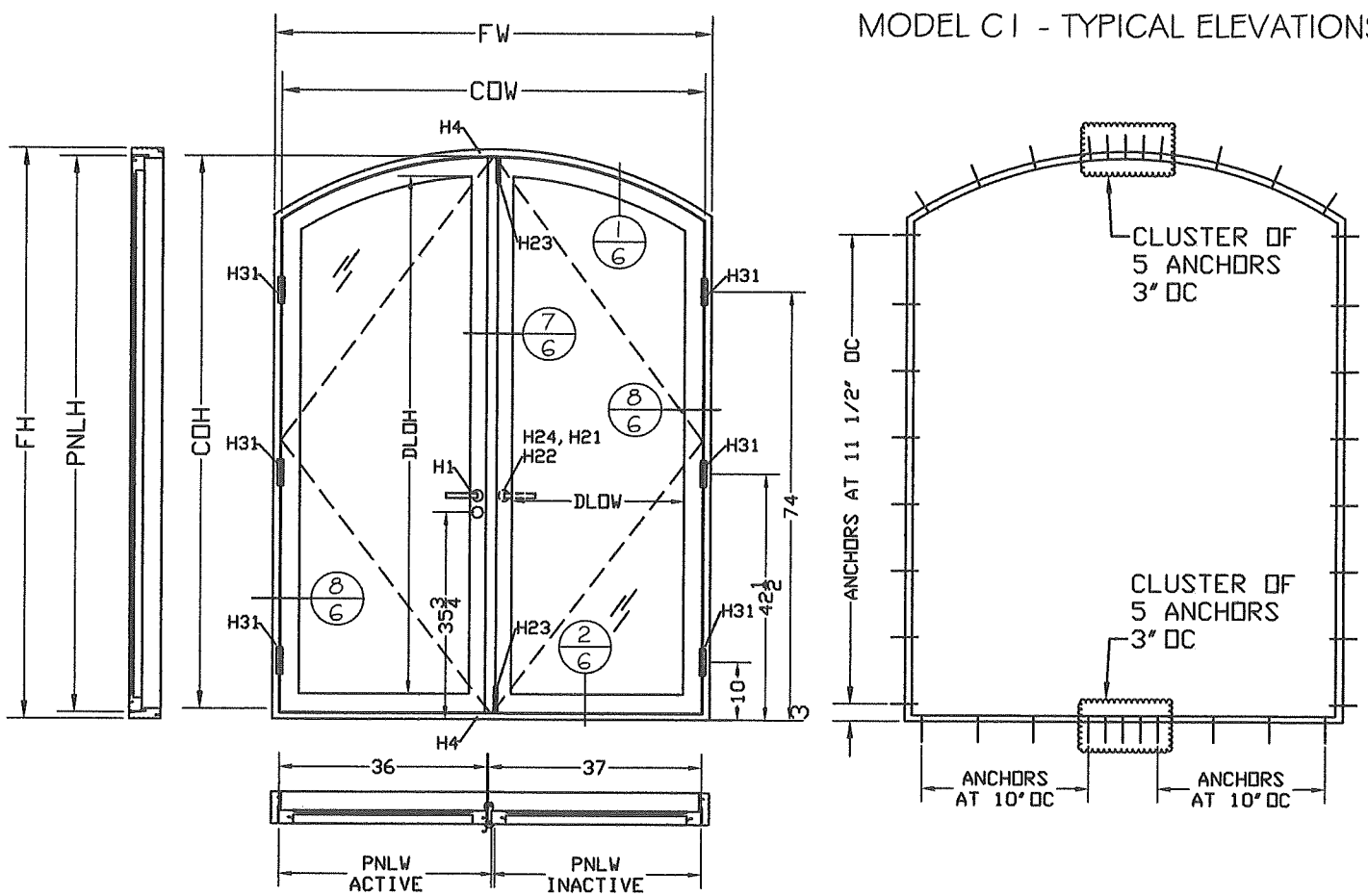
FRAME & SLAB MAXIMUM SIZES: FW X FH = 75 5/8" X 97 5/8" PNLW X PNLH = 36" X 96" ACTIVE PNLW X PNLH = 36 3/8" X 96" INACTIVE COW X COH = 71 3/8" X 93 3/8"	MAXIMUM GLAZING DLO	
	OPERABLE PANELS:	
	1 1/16" IG GLAZING:	29 1/2" X 89 1/4"
	9/16" GLAZING:	29 1/2" X 89 1/4"
LEGEND		
FH - FRAME HEIGHT, FW - FRAME WIDTH COW - CLEAR OPENING WIDTH, COH - CLEAR OPENING HEIGHT DLOW- DAY LIGHT OPENING WIDTH, DLOH- DAY LIGHT OPENING HEIGHT PNLH - SLAB PANEL HEIGHT, PNLW - SLAB PANEL WIDTH		



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PLANTATION, FL 33324
PPMF@AOL.COM
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PE 52609

PRODUCT CATEGORY: WINDOWS - CASEMENT
PRODUCT MATERIAL: WOOD / GLASS
IMPACT RATING: LARGE & SMALL MISSILE
ROATAN EURO PROFILE
CASEMENT WINDOWS

MODEL C I - TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



FRAME & SLAB MAXIMUM SIZES: FW X FH = 75 5/8" X 98 3/4" PNLW X PNLH = 36" X 96" ACTIVE PNLW X PNLH = 36 3/8" X 96" INACTIVE COW X COH = 71 3/8" X 94 1/2"	MAXIMUM GLAZING DLO	
	OPERABLE PANELS:	
	1 1/16" IG GLAZING:	29 5/8" X 89 3/8"
	9/16" GLAZING:	29 5/8" X 89 3/8"
LEGEND		
FH - FRAME HEIGHT, FW - FRAME WIDTH COW - CLEAR OPENING WIDTH, COH - CLEAR OPENING HEIGHT DLOW- DAY LIGHT OPENING WIDTH, DLOH- DAY LIGHT OPENING HEIGHT PNLH - SLAB PANEL HEIGHT, PNLW - SLAB PANEL WIDTH		

MIAMI-DADE BCCO:

PRODUCT REVISED
As complying with the Florida Building Code
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Miami-Dade Product Control

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MIAMI FLORIDA 33155

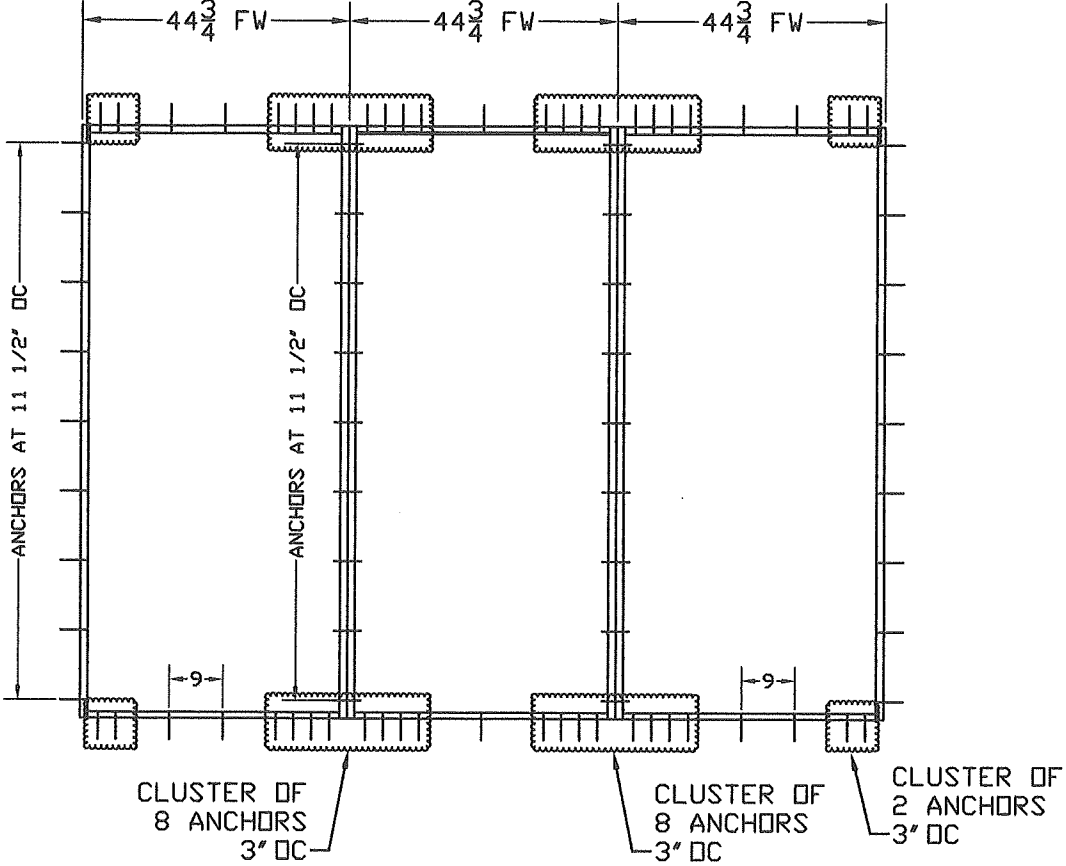
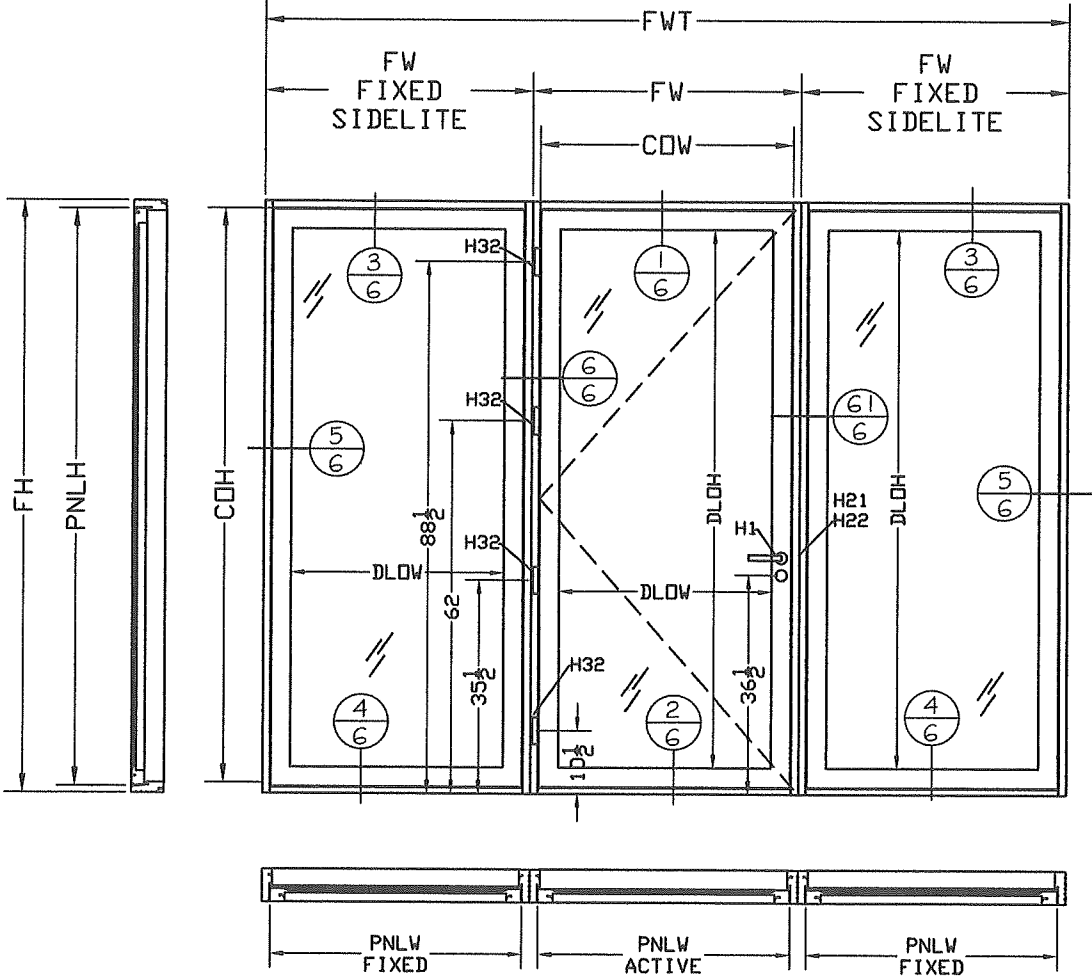
SCALE:
NA

DATE:
09/04/2023

DRAWING #
23-153

SHEET
3 OF 9

MODEL D I - TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



FRAME & SLAB MAXIMUM SIZES:
FWT X FH = 134" X 98 1/2"
FW SIDELITE= 44 5/8"
FW OPERABLE= 44 5/8"
PNLW X PNLH = 42" X 96" FIXED
PNLW X PNLH = 42" X 96" ACTIVE

COW X COH = 40 3/8" X 94 1/4"

MAXIMUM GLAZING DLO

FIXED AND OPERABLE PANELS:
1 1/16" IG GLAZING: 35 1/2" X 89 5/8"
9/16" GLAZING 35 1/2" X 89 5/8"

LEGEND

FWT - FRAME TOTAL WIDTH, FH - FRAME HEIGHT, FW - FRAME WIDTH
COW - CLEAR OPENING WIDTH, COH - CLEAR OPENING HEIGHT
DLOW- DAY LIGHT OPENING WIDTH, DLOH- DAY LIGHT OPENING HEIGHT
PNLH - SLAB PANEL HEIGHT, PNLW - SLAB PANEL WIDTH



PRODUCT CATEGORY: WINDOWS - CASEMENT
PRODUCT MATERIAL: WOOD / GLASS
IMPACT RATING: LARGE & SMALL MISSILE
ROATAN EURO PROFILE
CASEMENT WINDOWS

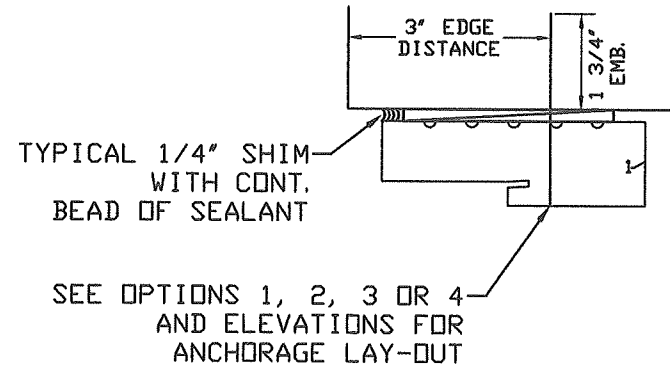
MANUFACTURER:
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By: *Manuel Perez*
Miami-Dade Product Control

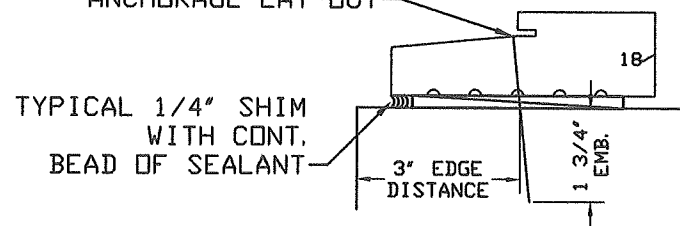
SCALE:
NA
DATE:
09/04/2023
DRAWING #
23-153
SHEET
4 OF 9

TYPICAL HEADER AND JAMB ANCHORAGE



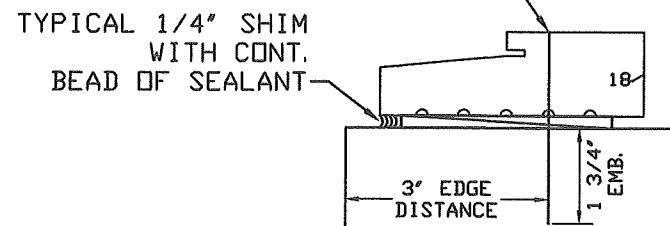
TYPICAL SILL ANCHORAGE
(EXTERIOR ANCHOR)

SEE OPTION 1 AND
ELEVATIONS FOR
ANCHORAGE LAY-OUT

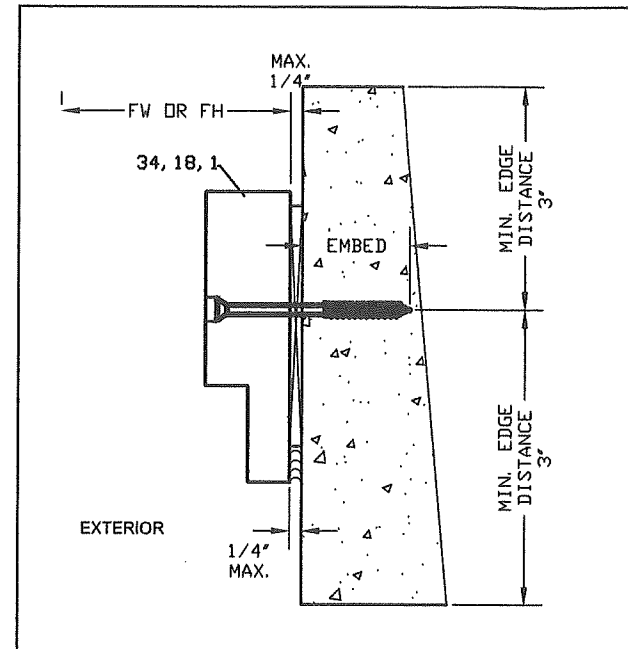


TYPICAL SILL ANCHORAGE
(INTERIOR ANCHOR)

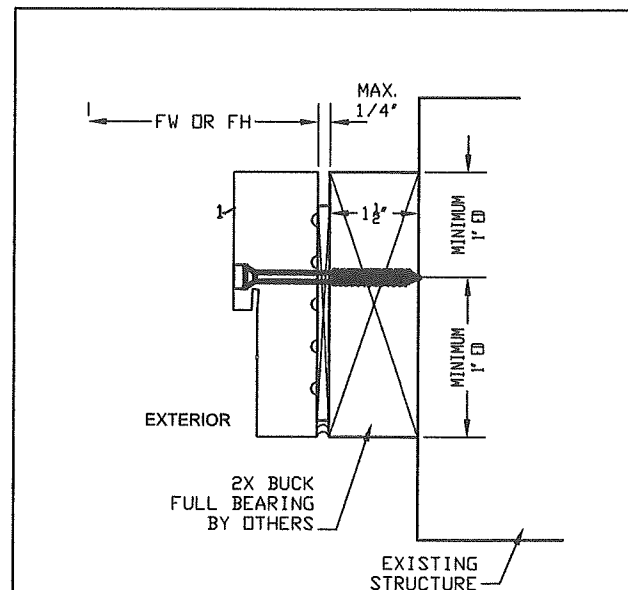
SEE OPTION 1 AND
ELEVATIONS FOR
ANCHORAGE LAY-OUT



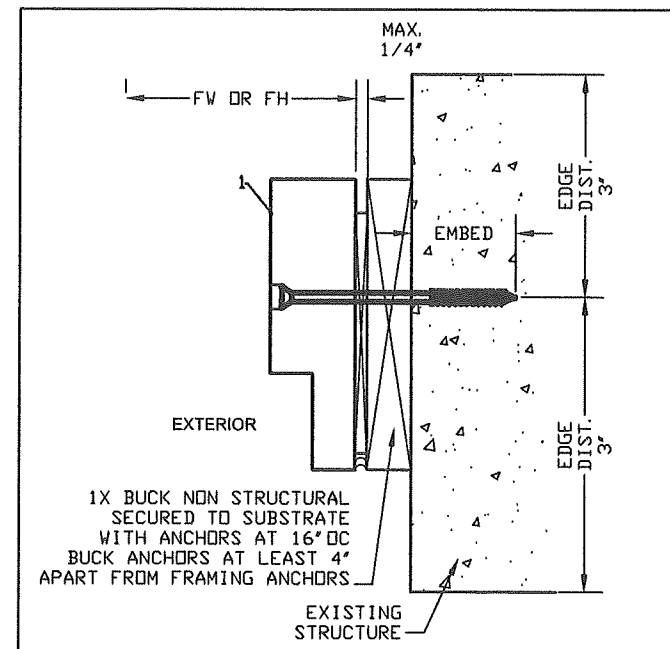
TYPICAL FRAME ANCHORAGE



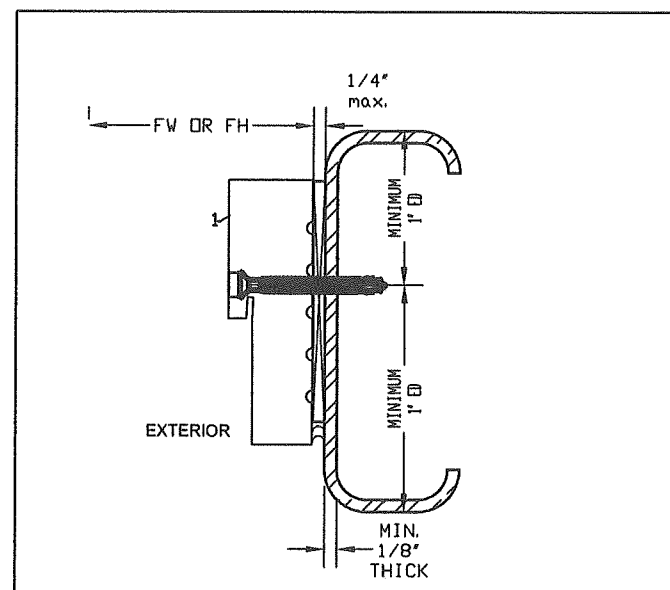
OPTION 1
FRAME MOUNTED DIRECTLY INTO SUBSTRATE WITH
MAXIMUM 1/4" SHIM AND 1/4" TAPCONS BY ITW
BUILDEX WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY
(JAMBS) OR 1 3/4" INTO 3000 PSI CONCRETE (REFER
TO ELEVATIONS FOR ANCHORS QTY. AND LAY-OUT)



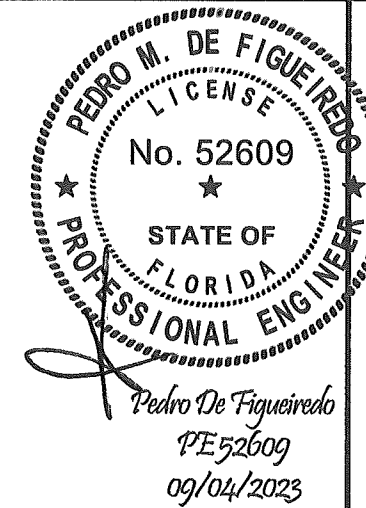
OPTION 3
FRAME MOUNTED DIRECTLY INTO 2X PT WOOD BUCK
(SG >= 0.55) W/ MAX. 1/4" SHIM AND SECURED BY #14
SS WOOD SCREWS OR 1/4" TAPCONS W/ 1 3/8" MIN.
EMBEDMENT. (REFER TO ELEVATIONS FOR ANCHORS
QTY. AND LAY-OUT)
2X BUCK TO BE PROPERLY DESIGNED BY OTHERS.



OPTION 2
FRAME MOUNTED WITH MAXIMUM 1/4" SHIM AND MAXIMUM
1X PT CONTINUOUS WOOD SPACER SECURED BY 1/4"
TAPCONS BY ITW BUILDEX WITH 1 1/4" MIN. EMBEDMENT
INTO MASONRY (JAMBS) OR 1 3/4" INTO 3000 PSI
CONCRETE. FOR INSTALLATION INTO METAL STRUCTURES
USE 1/4"-20 HWH GRADE 5 SDS
(REFER TO ELEVATIONS FOR ANCHORS QTY. AND LAY-OUT)



OPTION 4
FRAME MOUNTED DIRECTLY INTO METAL STRUCTURES
W/ MAX. 1/4" SHIM. 1/4"-20 PFH SDS GR 5 INTO
MIN. 1/8" (MIN. 3 THREADS PENETRATION) A36 STEEL OR
6063-T6 ALUMINUM.
(REFER TO ELEVATIONS FOR ANCHORS QTY. AND
LAY-OUT)



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9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT CATEGORY: WINDOWS - CASEMENT
PRODUCT MATERIAL: WOOD / GLASS
IMPACT RATING: LARGE & SMALL MISSILE
ROATAN EURO PROFILE
CASEMENT WINDOWS

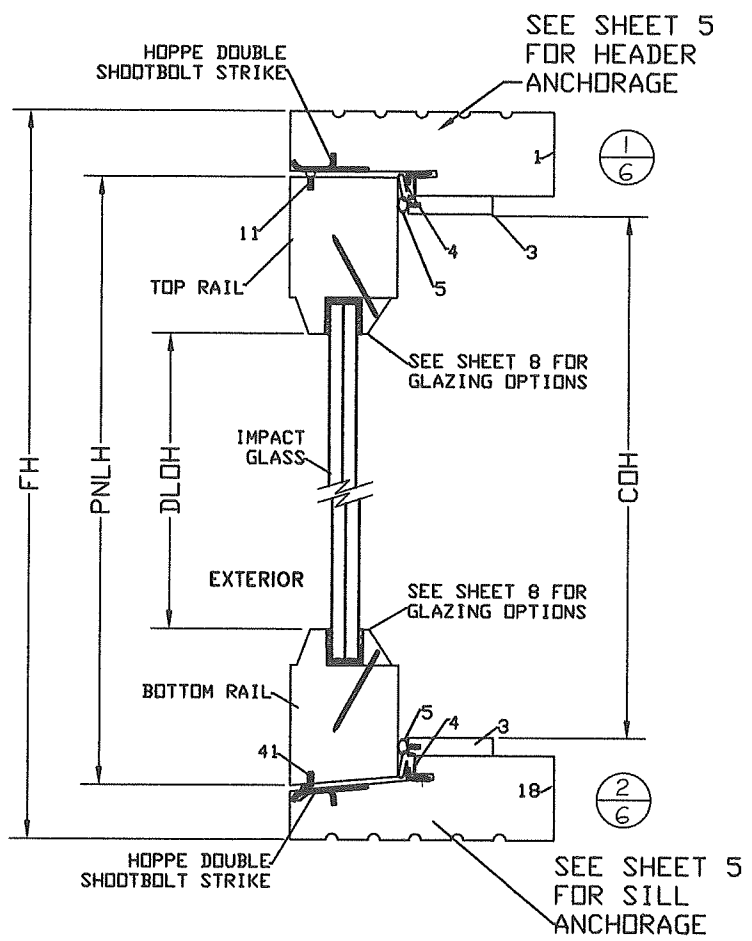
MANUFACTURER:
ROATAN
MAHOGANY USA INC.
7005 N. WATERWAY DR. 302
MIAMI FLORIDA 33155

MIAMI-DADE BCCO:

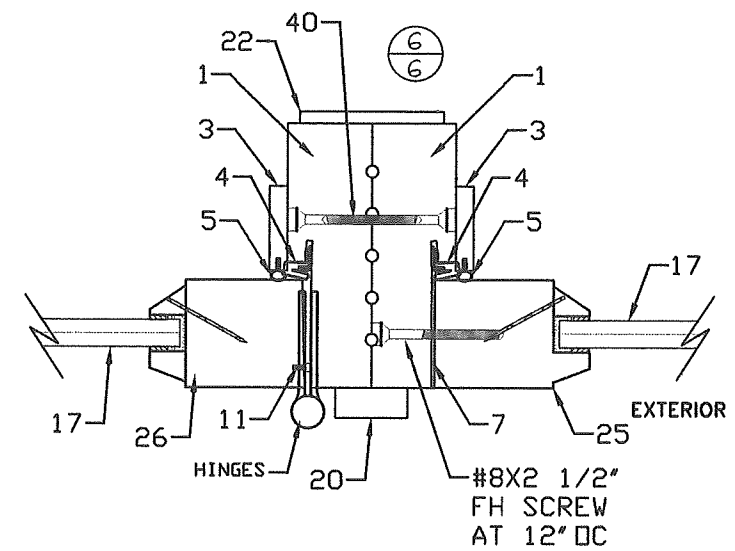
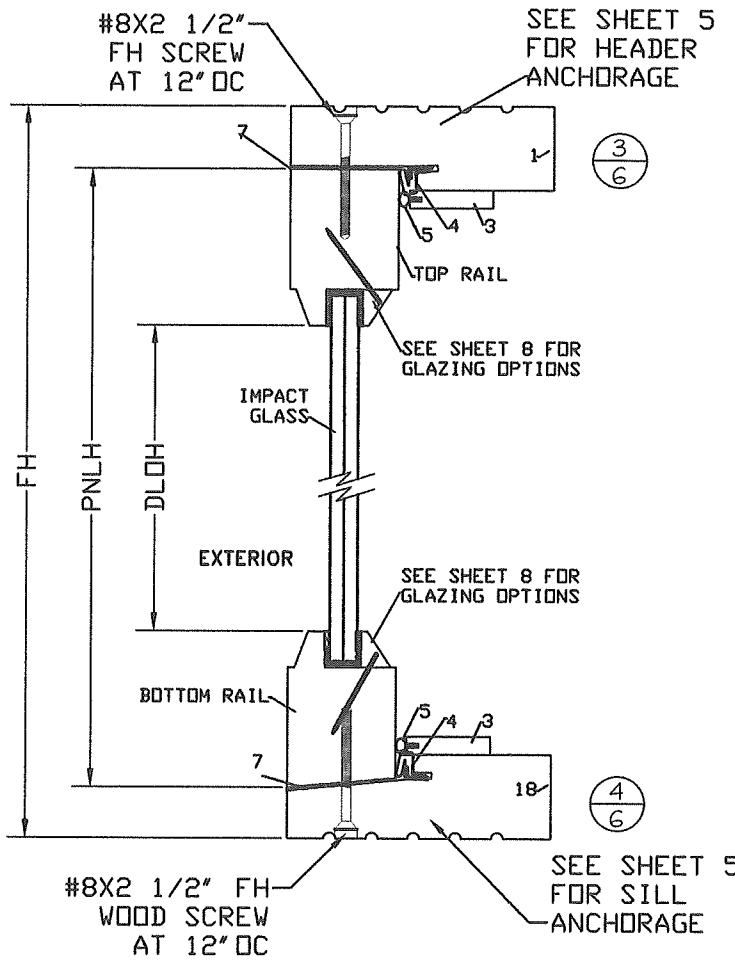
PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0928.30**
Expiration Date: **06/07/2028**
By: *Manuel Perez*
Miami-Dade Product Control

SCALE:
NA
DATE:
09/04/2023
DRAWING #
23-153
SHEET
5 OF 9

TYPICAL VERTICAL SECTION
OPERABLE CASEMENT WINDOW

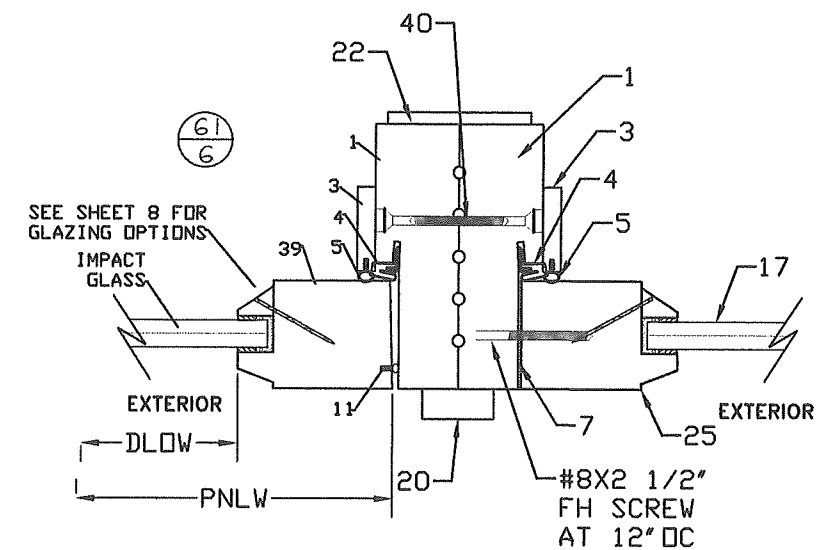
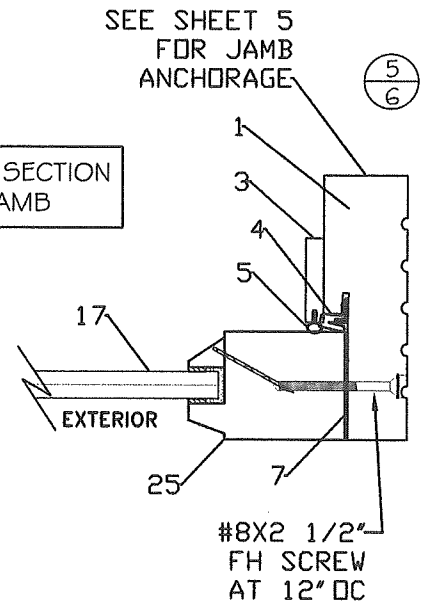


TYPICAL VERTICAL SECTION
FIXED WINDOW

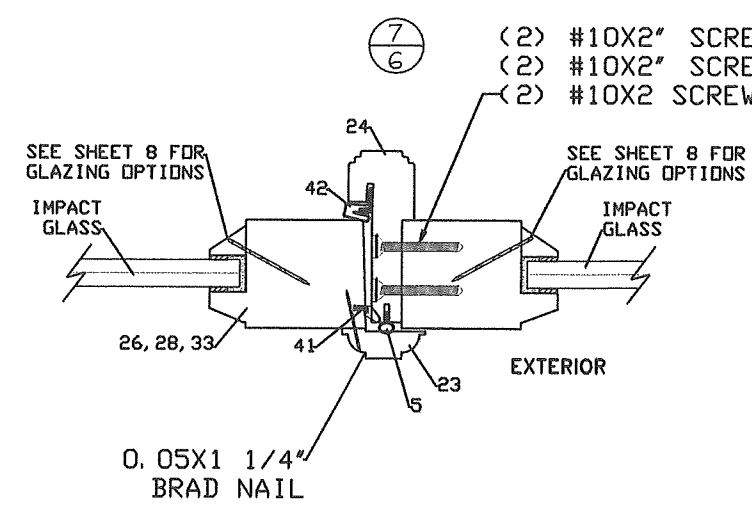


TYPICAL HORIZONTAL SECTION
OPERABLE / FIXED MULLION

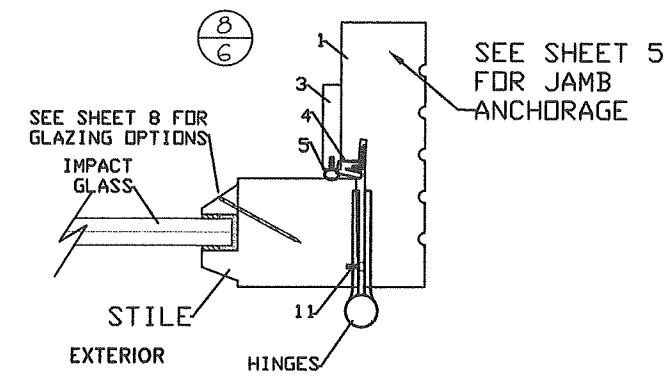
TYPICAL HORIZONTAL SECTION
FIXED WINDOW JAMB



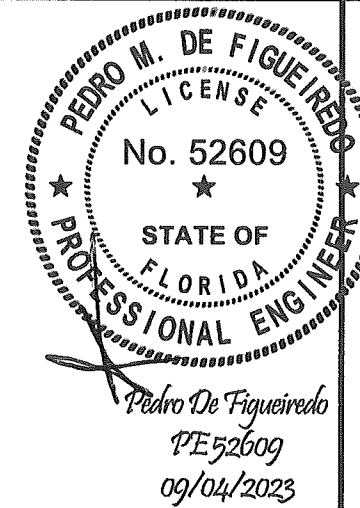
TYPICAL HORIZONTAL SECTION
CASEMENT WINDOW JAMB - LOCK



TYPICAL HORIZONTAL SECTION
CASEMENT MEETING STILES



TYPICAL HORIZONTAL SECTION
CASEMENT WINDOW JAMB - HINGE



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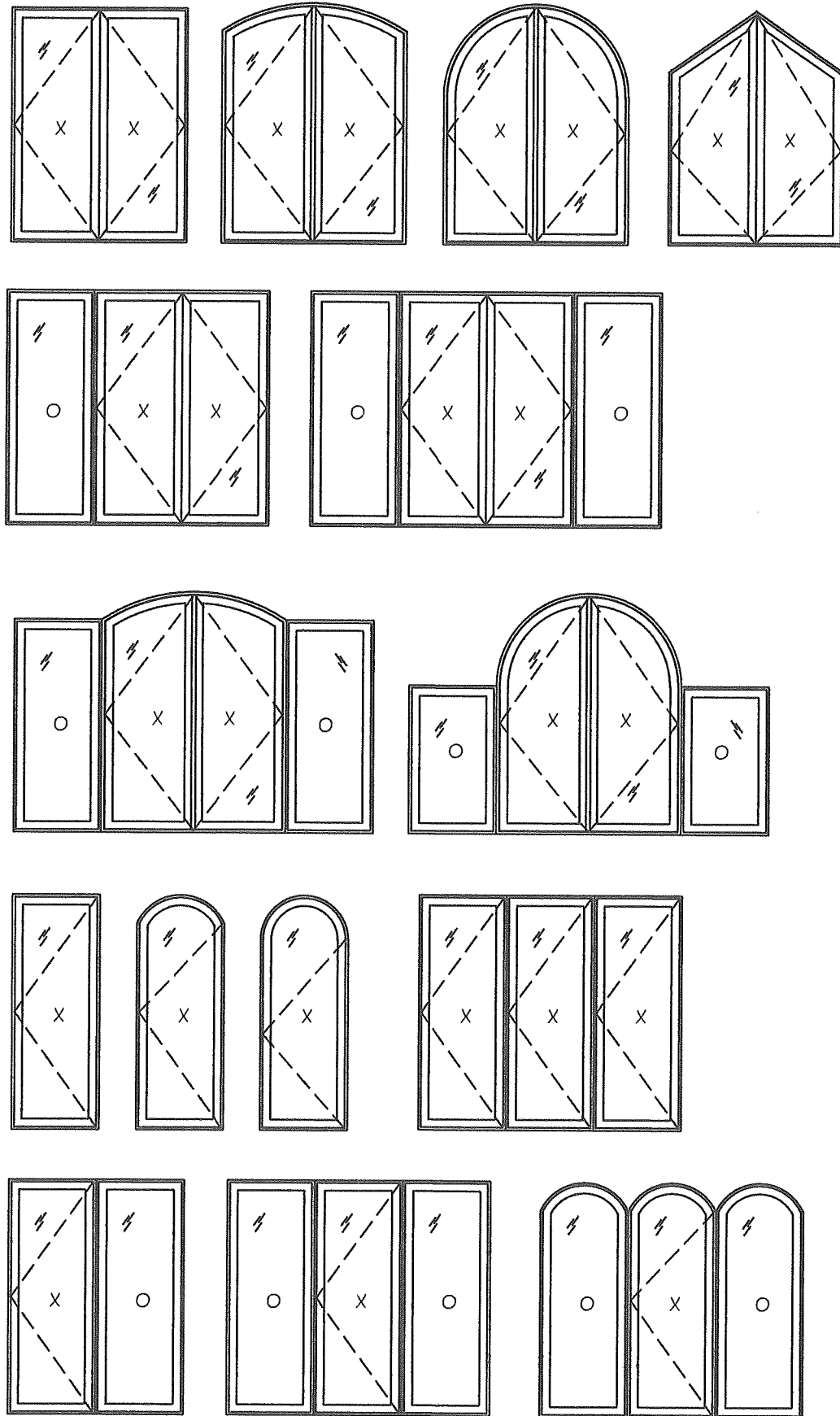
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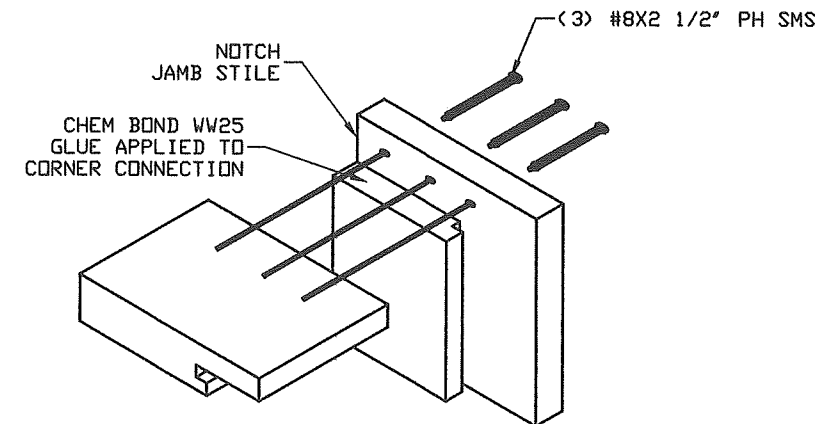
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SHEET
6 OF 9

MODELS EXAMPLES QUALIFICATIONS



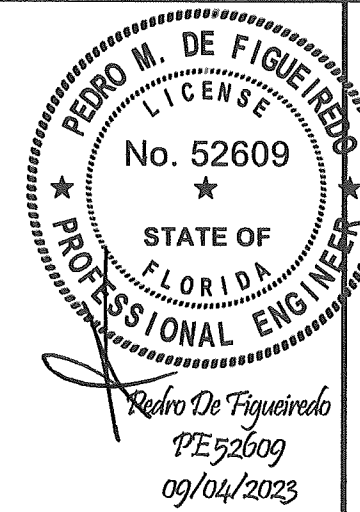
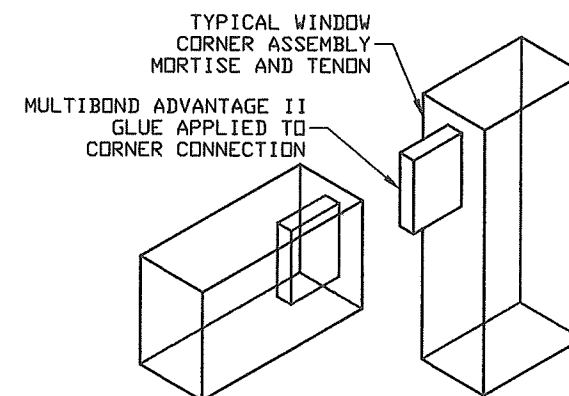
FRAME AND WINDOW ASSEMBLY

TYPICAL CORNER FRAMING CONSTRUCTION

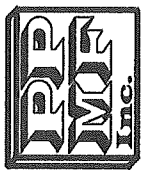


NOTE: AFTER FRAMING ASSEMBLAGE
ALL JOINTS ARE TO BE SEALED
WITH DOW 995 SILICONE.

TYPICAL WINDOW CORNER CONSTRUCTION



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PARTS REFERENCE LIST

ITEM	DESCRIPTION	LOCATION	MATERIAL/ MANUFACTURER/ NOTES	TESTED MODELS			
				A1	B1	C1	D1
1	SIDE/ HEADER/ JAMB	FRAMING	MAHOGANY/ ROATAN	X	X	X	
2							
3	WEATHERSTOP	FRAMING	MAHOGANY/ ROATAN	X	X	X	X
4	COMPRESSURE SEALER QEZD 650 BRONZE	WEATHER GASKETS, SEALER ETC	SCHLEGEL	X	X	X	X
5	COMPRESSURE SEALER AP412 BLACK	WEATHER GASKETS, SEALER ETC	SCHLEGEL	X	X	X	X
6	IG FIXED STILE	SLAB	MAHOGANY/ ROATAN	X			X
7	995 SILICONE	WEATHER GASKETS, SEALER ETC	DOW CORNING	X	X	X	X
8	1 1/16" IG INSULATED GLAZING - LMI	SLAB	GLASS/ ROATAN	X	X	X	X
9	18GA X 2" NAIL SPACED AT 3" OC	SLAB	GALV. STEEL/ ROATAN	X	X	X	X
10	IG GLASS STOP	SLAB	MAHOGANY/ ROATAN	X	X	X	X
11	COMPRESSURE SEALER AP425 BLACK	WEATHER GASKETS, SEALER ETC	SCHLEGEL	X	X	X	X
12	1/8 X 3/8" GLAZING TAPE	WEATHER GASKETS, SEALER ETC	ROATAN	X	X	X	X
13	9/16" BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN	X	X	X	
14	9/16" GLASS STOP	SLAB	MAHOGANY/ ROATAN	X	X	X	X
15	9/16" TOP RAIL	SLAB	MAHOGANY/ ROATAN			X	
16	6" FLUSH BOLT	HARDWARE	ROATAN			X	
17	9/16" LAMINATED GLAZING - LMI	SLAB	GLASS/ ROATAN	X	X	X	X
18	THRESHOLD	FRAMING	MAHOGANY/ ROATAN	X	X	X	X
19	9/16" FIXED BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN				X
20	EXTERIOR MULL COVERS	FRAMING	MAHOGANY/ ROATAN	X			X
21	5X5 HINGES	HARDWARE	SS/ EMTEK	X			
22	INTERIOR MULL COVERS	FRAMING	MAHOGANY/ ROATAN	X			X
23	ASTRAGAL CAP	SLAB	MAHOGANY/ ROATAN	X	X	X	
24	"T" ASTRAGAL	SLAB	MAHOGANY/ ROATAN	X	X	X	
25	9/16" FIXED SIDE/ TOP RAIL	SLAB	MAHOGANY/ ROATAN	X	X	X	X
26	9/16" ACTIVE STILE RAIL	SLAB	MAHOGANY/ ROATAN	X	X		
27	5X5 HINGES	HARDWARE	DELTANA		X		
28	9/16" ACTIVE STILE	SLAB	MAHOGANY/ ROATAN	X		X	
29	1 1/16" IG FIXED BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN	X			X
30	9/16" ACTIVE BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN	X			
31	4X4 HINGES	HARDWARE	SS/ HAGER	X		X	
32	9/16" FIXED BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN	X			
33	1 1/16" ACTIVE STILE RAIL	SLAB	MAHOGANY/ ROATAN		X	X	X
34							
35	9/16" ACTIVE TOP/BOTTOM RAIL	SLAB	MAHOGANY/ ROATAN	X			
36	1 1/16" ACTIVE STILE RAIL	SLAB	MAHOGANY/ ROATAN		X	X	
37	1 1/16" ACTIVE STILE RAIL	SLAB	MAHOGANY/ ROATAN		X	X	
38	CONCEALED HINGES	HARDWARE	SOSS				X
39	1 1/16" ACTIVE STILE	SLAB	MAHOGANY/ ROATAN				X
40	9/16" ACTIVE STILE	SLAB	MAHOGANY/ ROATAN				
41	COMPRESURE SEALER QEZD 320 BRONZE	WEATHER GASKETS, SEALER ETC	SCHLEGEL	X		X	
42	COMPRESURE SEALER QEZD 730 BRONZE	WEATHER GASKETS, SEALER ETC	SCHLEGEL	X		X	

ALL PARTS LISTED HERE IN CAN
BE INSTALLED INTERCHANGABLE IN
ANY MODEL.



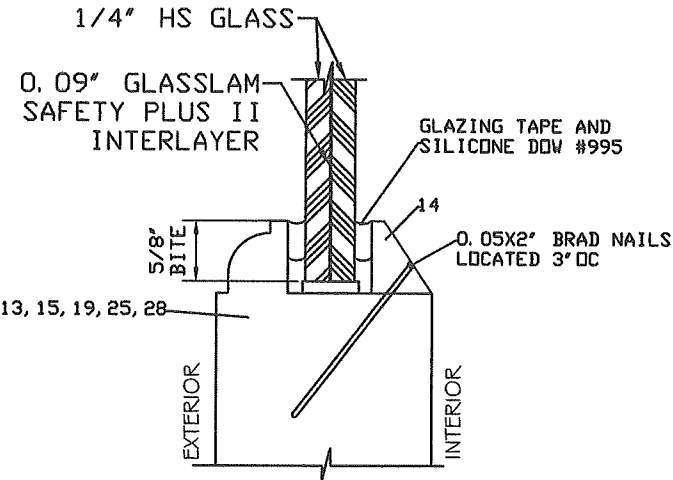
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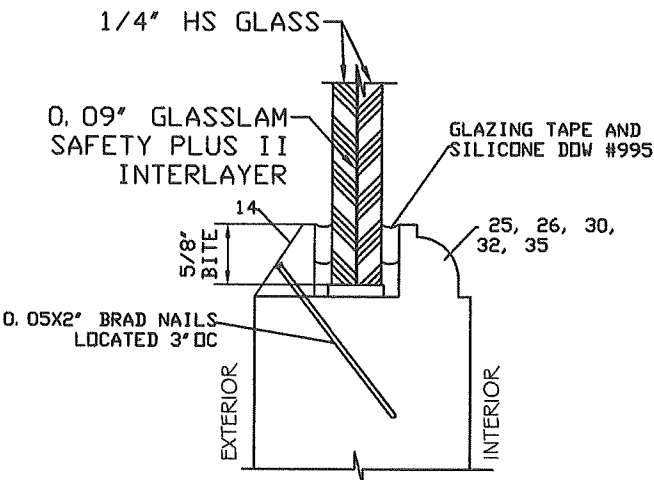
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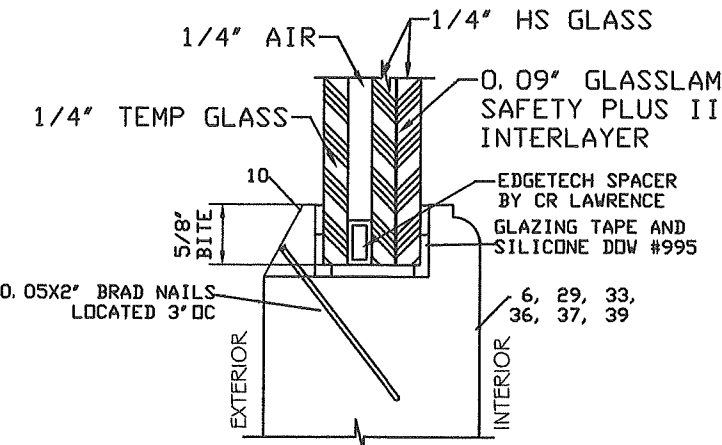
TYPICAL GLAZING OPTIONS



A- 9/16" HS LAMINATED
LARGE MISSILE IMPACT GLASS
INTERIOR GLAZED



A1- 9/16" HS LAMINATED
LARGE MISSILE IMPACT GLASS
EXTERIOR GLAZED



B- 1 1/16" HS IG LAMINATED
LARGE MISSILE IMPACT GLASS
EXTERIOR GLAZED

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