



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/economy

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

NOTICE OF ACCEPTANCE (NOA)

Rotan 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: Swietenia Series Outswing Opaque Wood Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. **15-256 (old 12-133-R1)**, titled "Swietenia Series Mahogany Swing-Out Door-Opaque Door", sheets 1 through 7 of 7, dated AUG 26, 2015, prepared by EngCo 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

Limitation:

1. See sheet 5 for hardware. See primary locking notes 2 & 3 and additional secondary locking during Hurricane events, per note 4.
2. Min 3ksi concrete required at head/sill installation

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 #14-0722.11** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 15-0921.11
 Expiration Date: August 08, 2019
 Approval Date: April 28, 2016
 Page 1

4/28/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts drawings and sections (submitted under files # **13-0814.06/#12-0713.08**)
2. Drawing No. **15-256 (old 12-133-R1)**, titled "Swietenia Series Mahogany Swing-Out Door-Opaque Door", sheets 1 through 7 of 7, dated AUG 26, 2015, prepared by EngCo Inc., signed and sealed by Pedro M. De Figueiredo, P.E.

B. TESTS (submitted under files #14-0722.11/#13-0814.06/#12-0713.08 # 07-0717.10)

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, TAS 202-94

along with marked-up drawings and installation diagram of an outswing mahogany door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No(s). HETI-01-1184, dated 10/29/01, HETI-01-1095, dated 11/2/01, HETI-01-1185, dated 4/18/01, HETI-01-1077, dated 11/9/01, HETI-01-1190, dated 11/25/01, HETI-01-1079, dated 11/26/01, HETI-01-1007, dated 11/6/01, HETI-01-1186, dated 4/18/01 and HETI-01-1006, dated 10/26/01, all signed and sealed by Hector Medina, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC2014(5th edition), prepared by EngCo Inc., dated 04/21/2016, signed and sealed by Pedro De Figueiredo, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

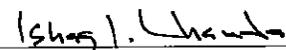
1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th Edition), prepared by Engco Inc., dated 08/24/2015, signed and sealed by Pedro M. DeFigueiredo, P.E.
2. Statement letter of conformance to FBC 2007 & FBC 2010, prepared by Engco Inc., dated 08/13/10, signed and sealed by Pedro M. DeFigueiredo, P.E. (submitted under file # **12-0713.08**).
3. Statement letter of conformance to FBC 2004 and no financial interest, prepared by Engco Inc., dated 08/28/07, signed and sealed by Pedro DeFigueiredo, P.E. (submitted under file # **07-0717.10**)

G. OTHER (Items #2 & #3, submitted under files #14-0722.11)

1. This NOA **revises** NOA #**14-0722.11**, expiring AUG 08, 2019.
2. Copy of Bill of sales between Roatan Mahogany Millwork, Inc. (seller) and Roatan Mahogany USA, Inc. (buyer) dated 09/26/13, signed by respective official of the companies.
3. Florida Department of state, listing of active status of Roatan Mohogany USA, Inc.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0921.11

Expiration Date: August 08, 2019

Approval Date: April 28, 2016

GENERAL NOTES:
 FLORIDA BUILDING CODE 2014 HVHZ
 LARGE & SMALL MISSILE IMPACT RATED

1- DEFINITION: THIS PRODUCT IS A SWING-OUT MAHOGANY DOOR; 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 2014 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 - SWING-OUT DOOR
 MIAMI-DADE COUNTY PRODUCT APPROVED"

4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-10 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 7-10, 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.

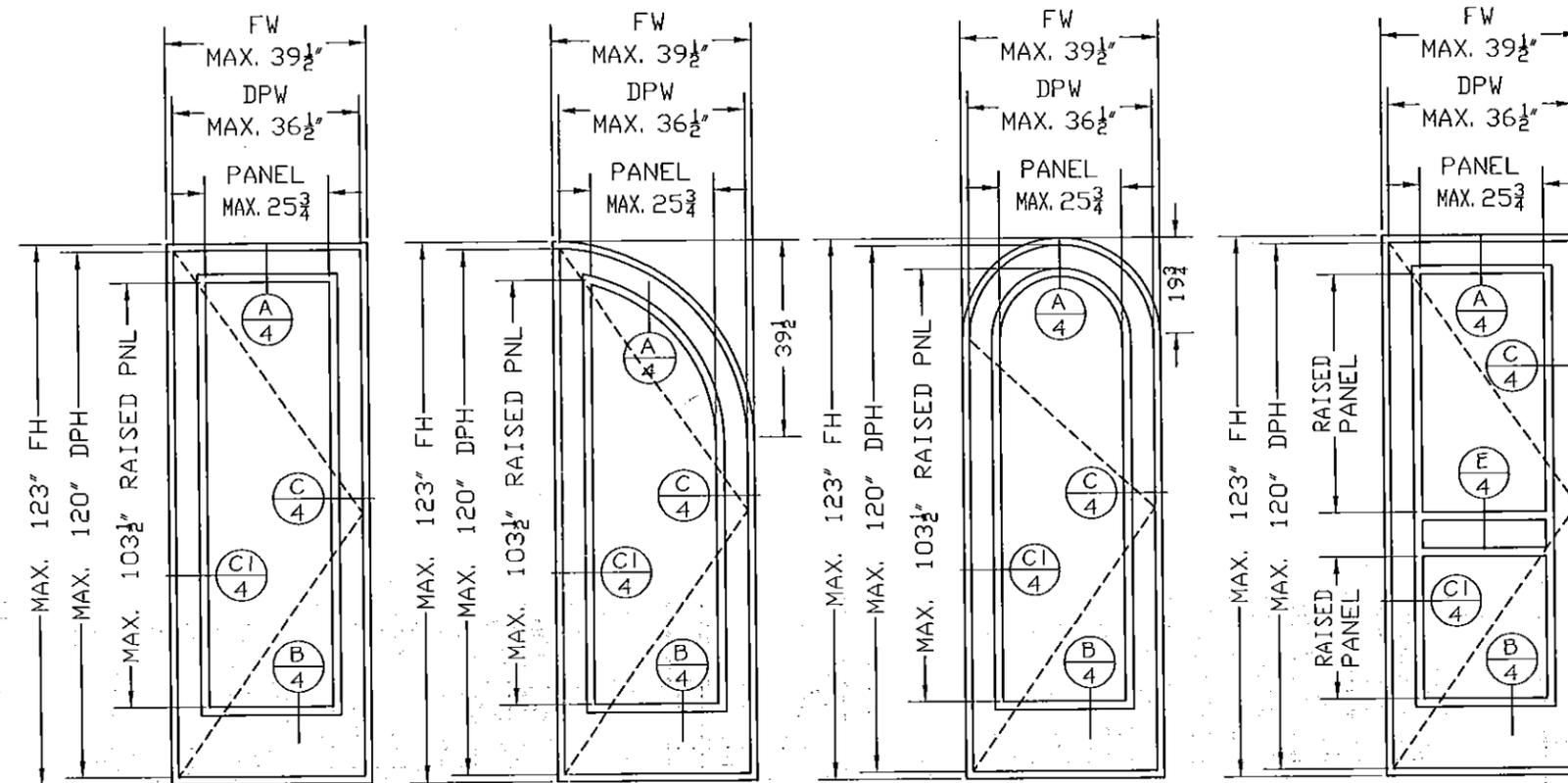
7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

- 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.

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TYPICAL SINGLE ELEVATIONS



TYPE 1
 SQUARE
 CONFIGURATION

TYPE 2
 1/2 ARCH
 CONFIGURATION

TYPE 3
 FULL ARCH
 CONFIGURATION

TYPE 4
 LITE WITH PANEL
 CONFIGURATION

DESIGNED PRESSURE RATING
$P_d = \pm 75$ PSF
MAXIMUM FRAME SIZES FINISHED WIDTH: FW= 39 1/2" FINISHED HEIGHT: FH= 123"
MAXIMUM DOOR PANEL SIZES: DOOR PANEL WIDTH: DPW= 36 1/2" DOOR PANEL HEIGHT: DPH= 120"
MAXIMUM CLADDING SIZES 1 1/2" MAHOGANY SOLID WOOD PANEL RAISED PANEL: 25 3/4" X 103 1/2"
LEGEND FH - FINISHED HEIGHT FW - FINISHED WIDTH DLO- DAY LIGHT OPENING DPH - DOOR PANEL HEIGHT DPW - DOOR PANEL WIDTH

WOOD TYPE:
 VERNACULAR NAME: TRUE MAHOGANY
 SCIENTIFIC NAME: SWIETENIA MACROPHYLLA G. KING
 FAMILY: MELIACEAE
 MINIMUM SPECIFIC GRAVITY: 0.45

MANUFACTURER:

**ROATAN
 MAHOGANY
 USA, INC**

4004C AURORA STREET
 CORAL GABLES, FL 33146
 PHONE: (305) 774-5999
 FAX: (305) 774-0083

PRODUCT:

**MAHOGANY
 SWING-OUT DOOR**
 SWIETENIA SERIES
 OPAQUE DOOR
 WOOD PANEL OPTION ONLY
 LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116
 5595 ORANGE DR. 201
 DAVIE, FL. 33314
 Tel.: (954) 585-0304
 ENGCO@AOL.COM



AUG 26 2015

Engineer Seal
 Pedro De Figueiredo - PE 52609

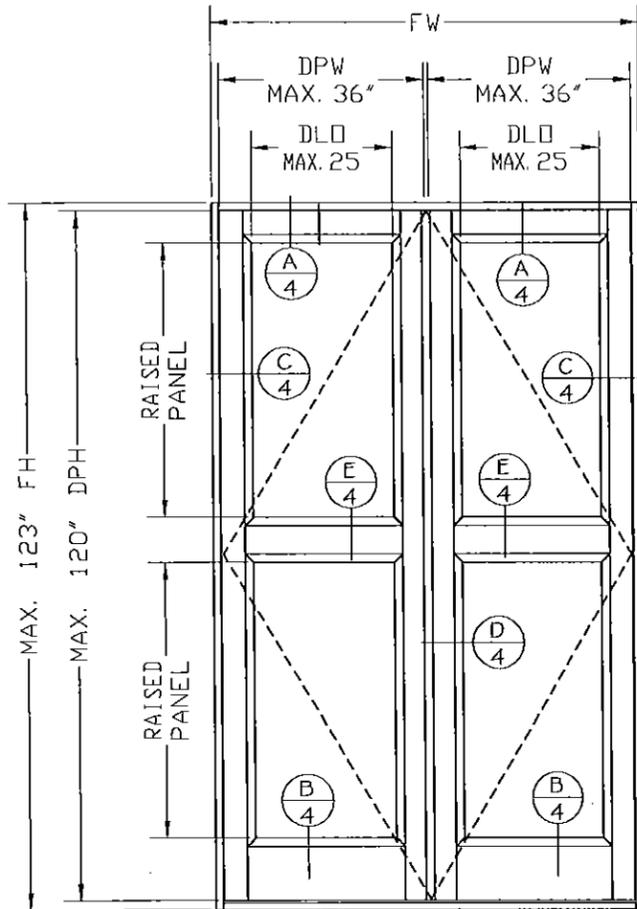
MIAMI-DADE BCCO:

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0921-11
 Expiration Date: AUG 28, 2019
 Pedro De Figueiredo
 Miami-Dade Product Control

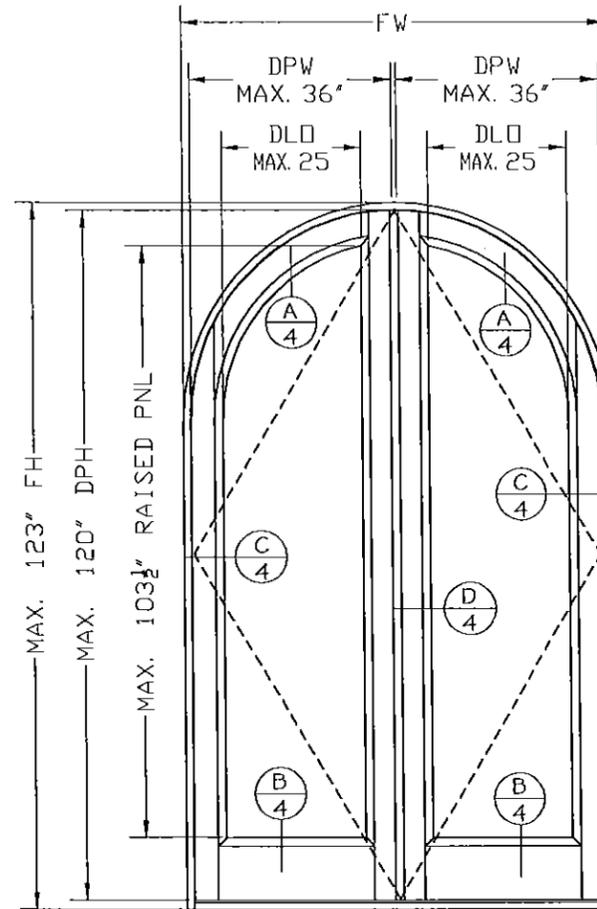
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SHEET 1 OF 7
 DRAWING #: 15-256

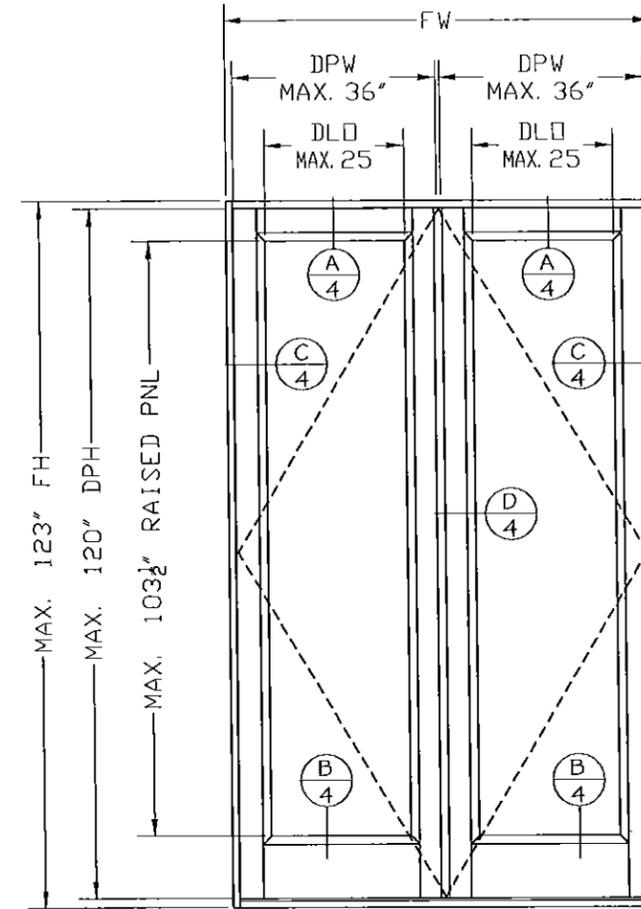
TYPICAL PAIR ELEVATIONS



TYPE 5
SPLIT PANEL CONFIGURATION



TYPE 6
ARCH CONFIGURATION



TYPE 7
SQUARE CONFIGURATION

<p>DESIGNED PRESSURE RATING $P_d = \pm 75$ PSF</p>
<p>MAXIMUM FRAME SIZES: FINISHED WIDTH: FW= 75 1/2" FINISHED HEIGHT: FH= 123"</p>
<p>MAXIMUM CLADDING SIZES: 1 1/2" MAHOGANY SOLID WOOD PANEL DLO: 25" X 103 3/4"</p>

MANUFACTURER:

ROATAN
MAHOGANY
USA, INC

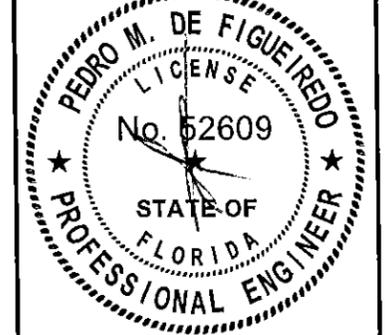
4004C AURORA STREET
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AUG 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

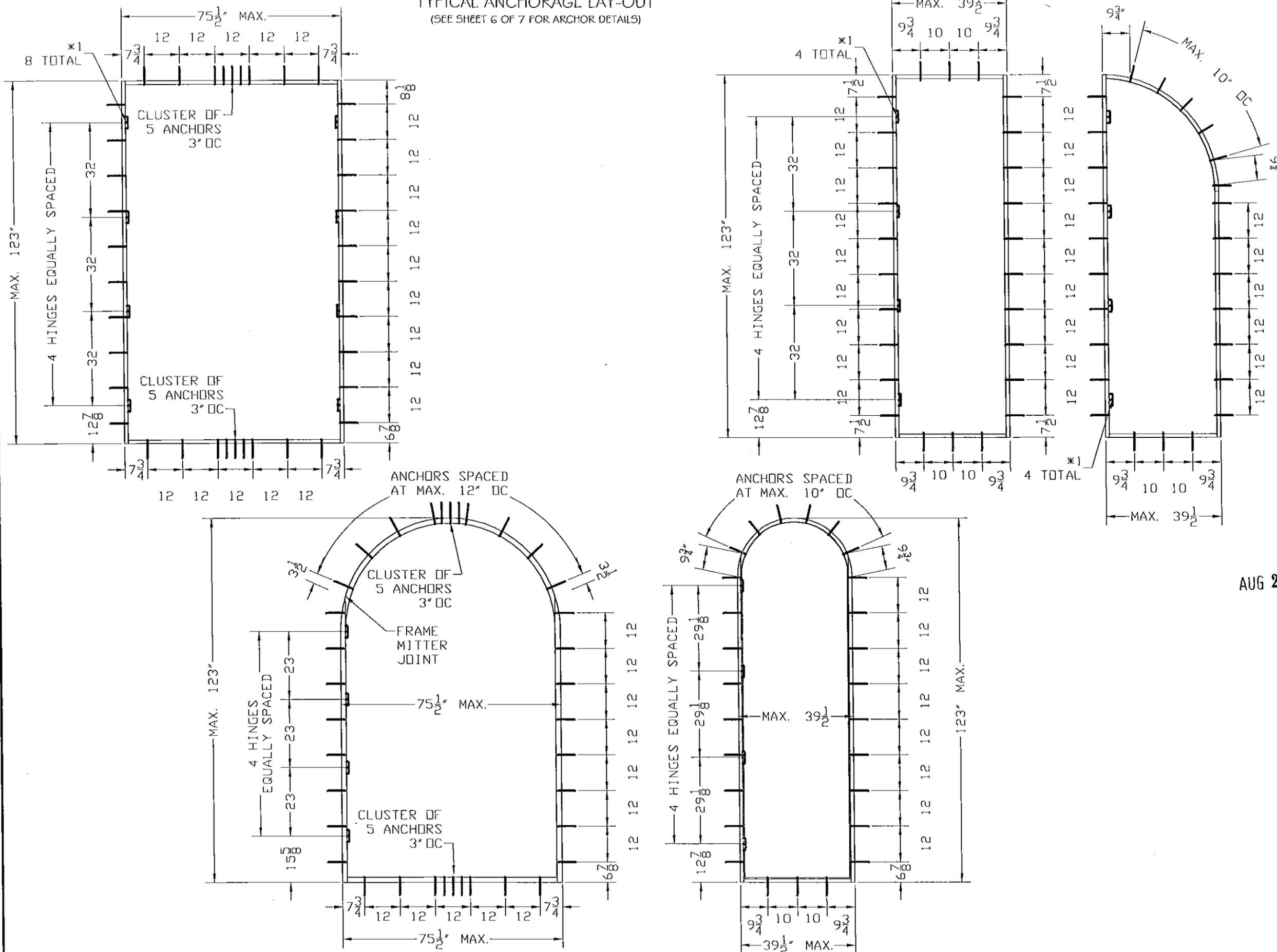
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0921-11
Expiration Date 8/31/19
Pedro M. De Figueiredo
Max. Daily Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
2 OF 7

DRAWING #:
15-256

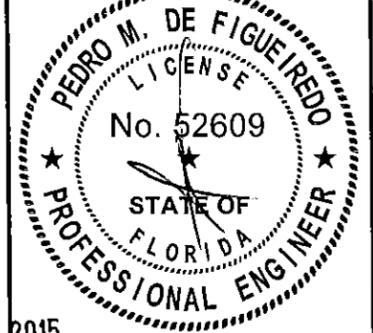
TYPICAL ANCHORAGE LAY-OUT
(SEE SHEET 6 OF 7 FOR ANCHOR DETAILS)



MANUFACTURER:
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AUG 26 2015

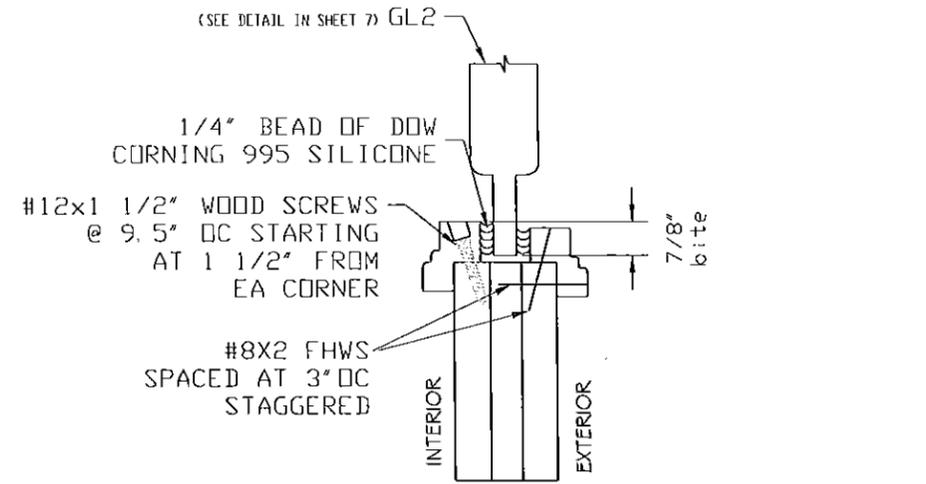
Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-11
Expiration Date 8/8/19
[Signature]
Miami Door Product Control

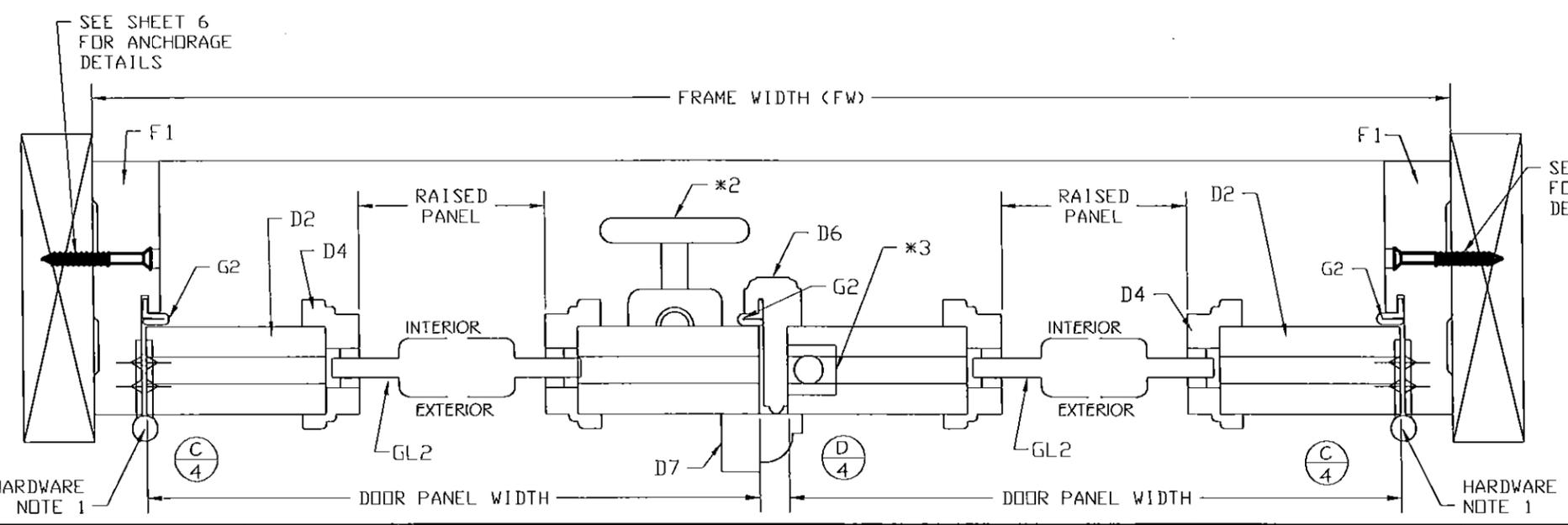
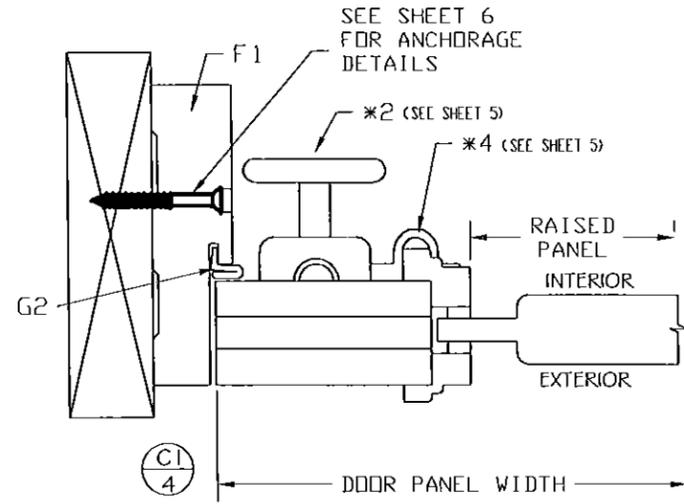
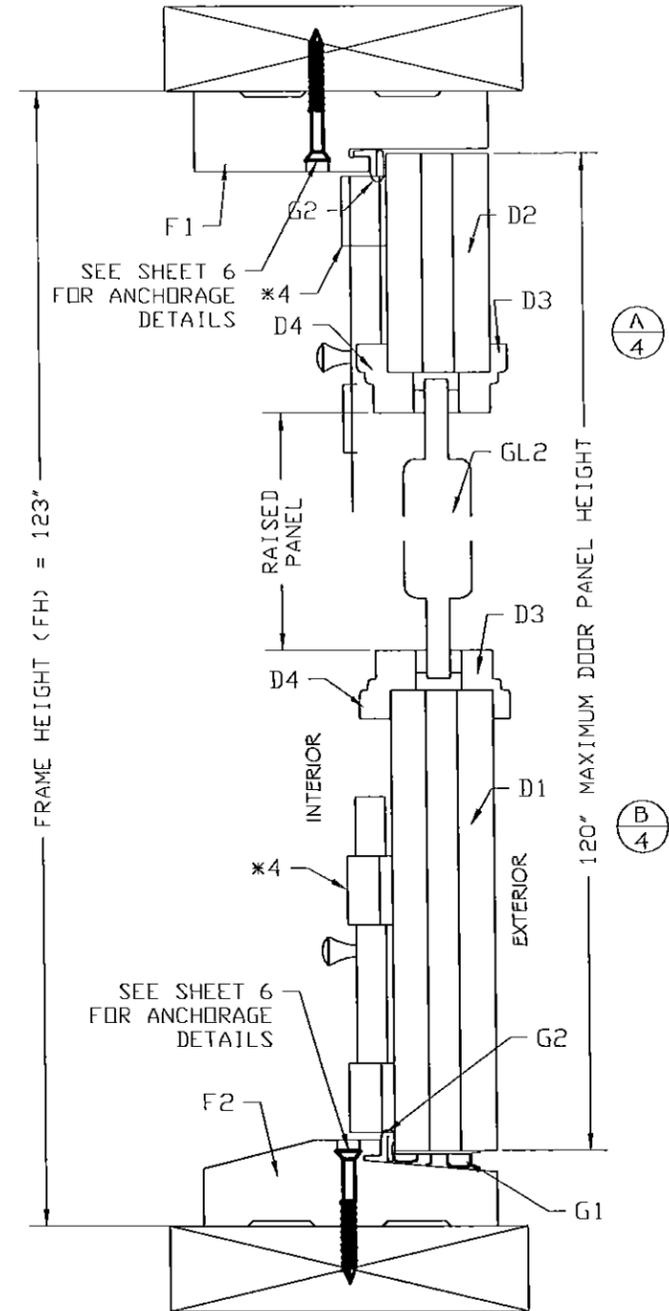
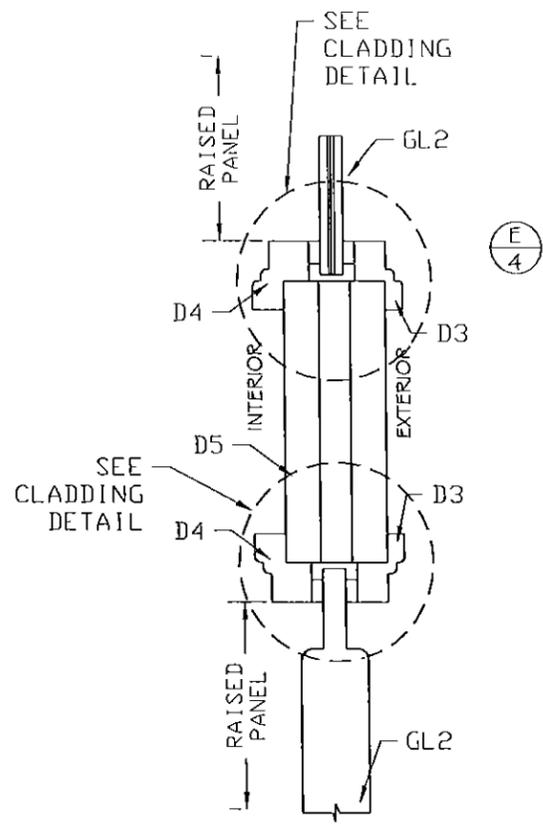
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SCALE: NA
DESIGN BY: PPMF

SHEET 3 OF 7 DRAWING #: 15-256

CLADDING OPTIONS



TYPICAL CROSS SECTIONS



MANUFACTURER:
ROATAN MAHOGANY USA, INC

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AUG 26 2015
Engineer Seal
Pedro De Figueiredo - PE 52609

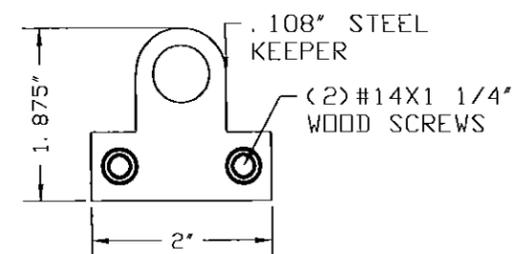
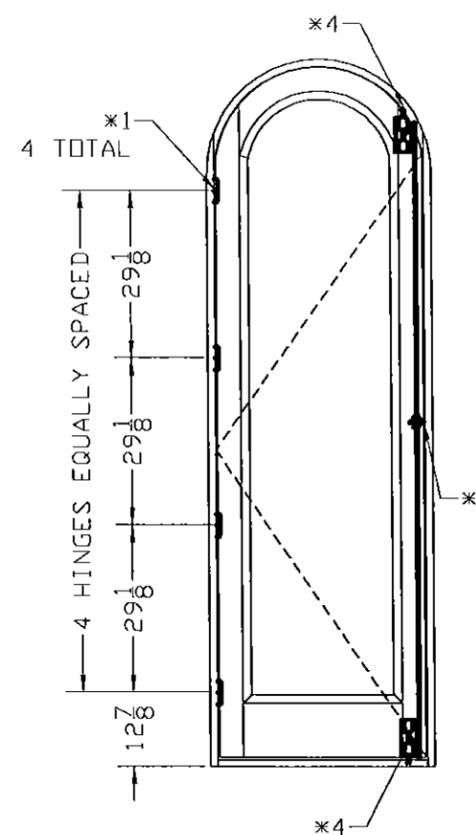
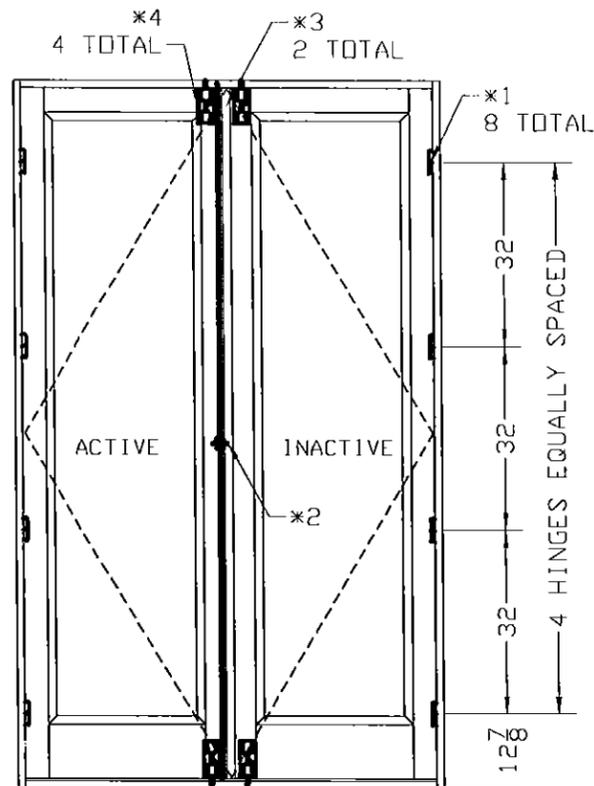
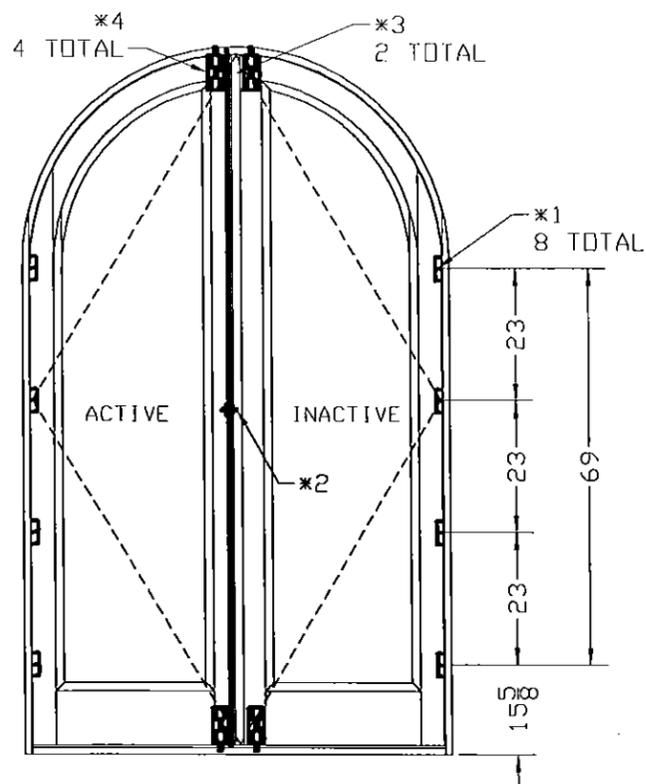
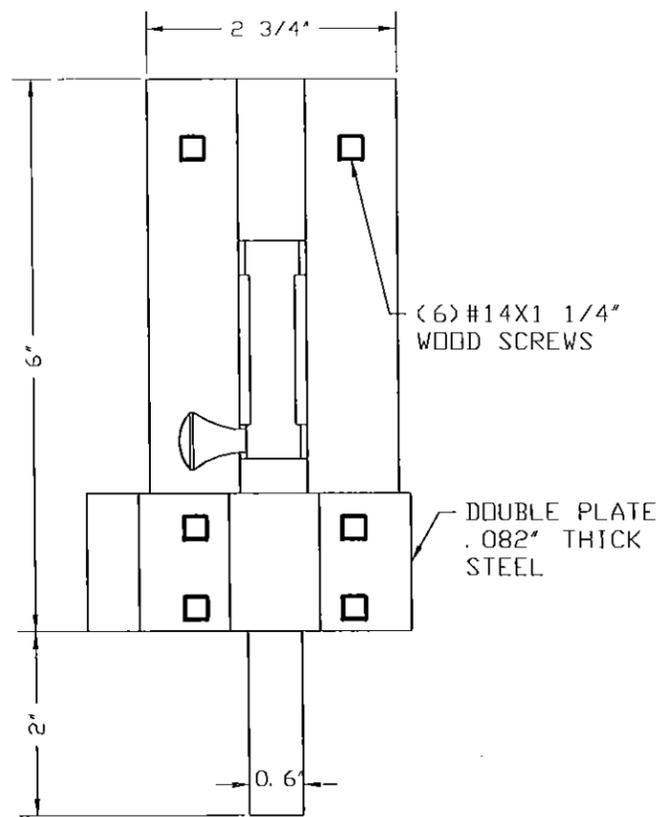
MIAMI-DADE BCCO:
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921.11
Expiration Date 8/31/19
[Signature]
Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET 4 OF 7 DRAWING #: 15-256

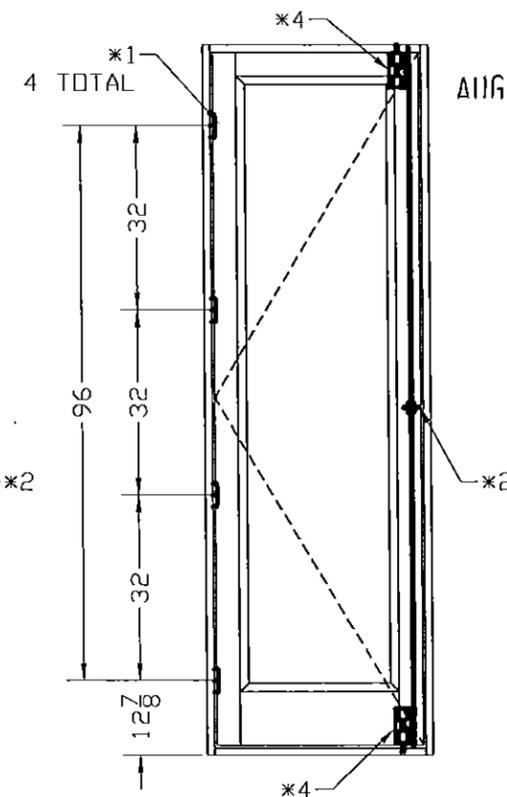
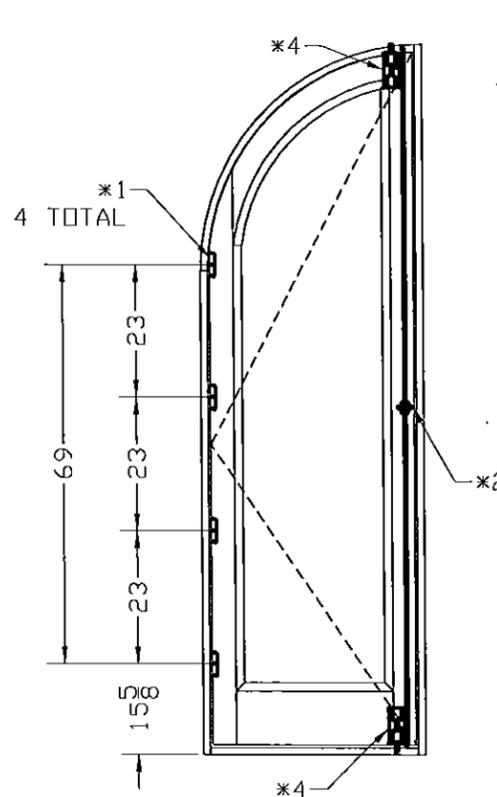
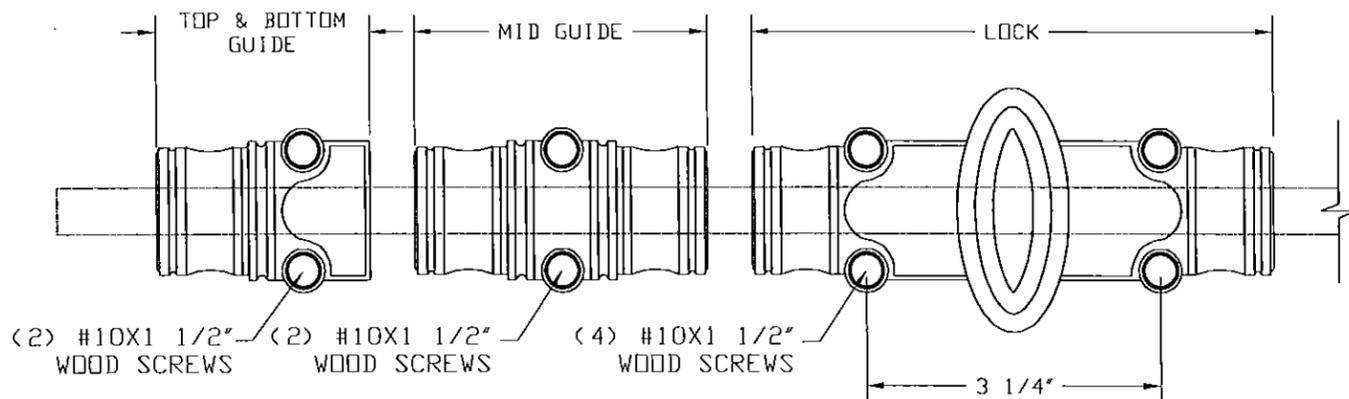
*3- NATIONAL .60" DIAM. THROW BOLT

HARDWARE LAY-OUT



- * HARDWARE
- 1- 4 1/2"x 4 1/2"x .136 HAGER 1279 HINGES SPACED AS PER ELEVATIONS ABOVE AND CONNECTED WITH (8) #12x1 1/4" FH SMS. (SQUARE DOOR, 4 PER LEAF AND ARCH DOOR, 3 PER LEAF)
 - 2- ARDIMPEX THREE POINT CREMONES ON ACTIVE LEAF FASTENED WITH (12) #10X 1 1/2" FH SMS.
 - 3- HARROW PRODUCTS INC. FLUSH BOLTS 296G UL LISTED TOP AND BOTTOM OF INACTIVE LEAF.
 - 4- SECONDARY LOCKS (ACTIVATE ONLY WHEN HURRICANE FORCE WINDS ARE EXPECTED) - NATIONAL 0.60 DIA THROW BOLT ANCHORED WITH (6) #14X1 1/4" ON ACTIVE AND INACTIVE DOORS TOP AND BOTTOM RAILS.

*2- ARDIMPEX THREE POINT CREMONES SAME DETAIL TOP AND BOTTOM



MANUFACTURER:

ROATAN MAHOGANY USA, INC

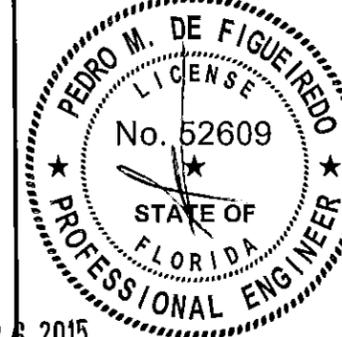
4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

PRODUCT:

MAHOGANY SWING-OUT DOOR
SWIETENIA SERIES
OPAQUE DOOR
WOOD PANEL OPTION ONLY
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

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5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCO@AOL.COM



AUG 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

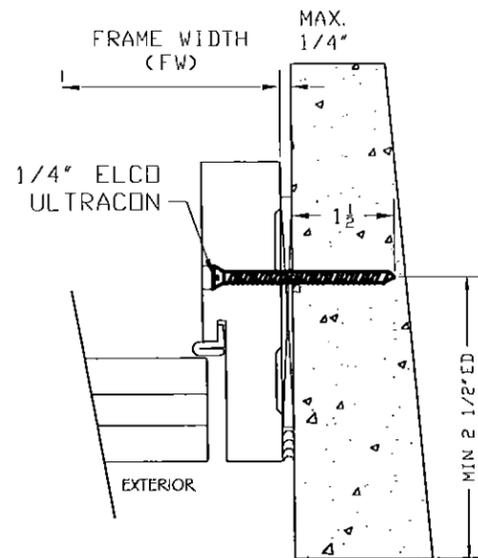
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-11
Expiration Date 8/18/19
B. Ishiguro
Miami-Dade Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

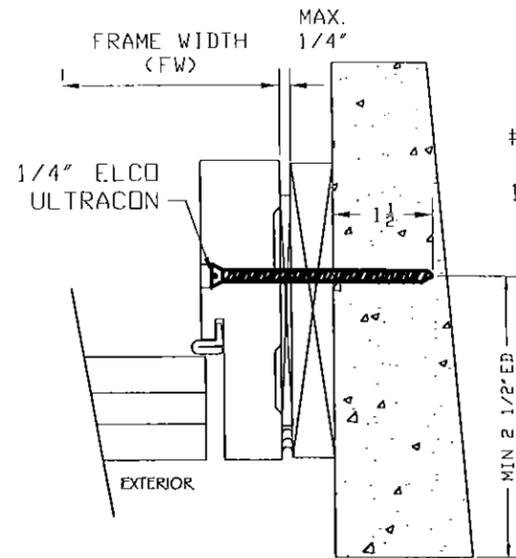
SHEET
5 OF 7

DRAWING #:
15-256

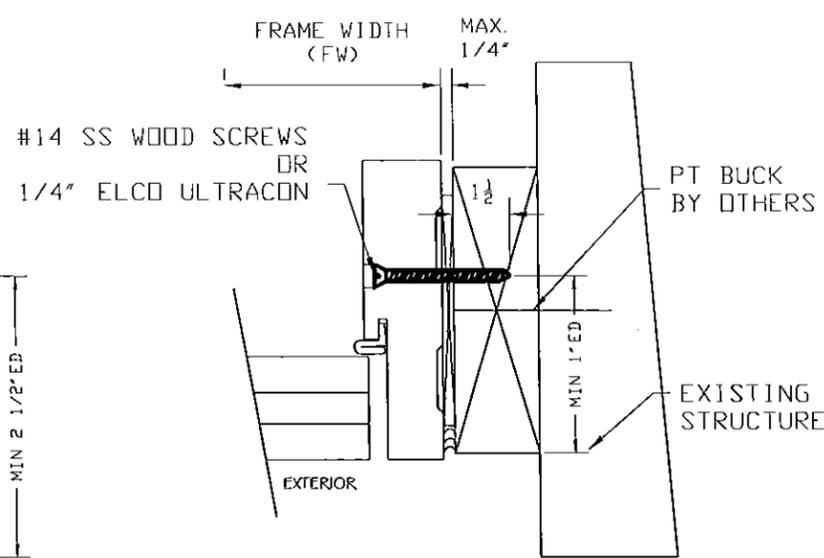
TYPICAL ANCHORAGE DETAILS



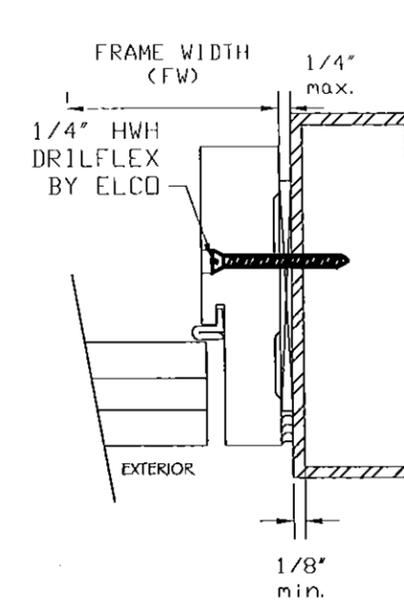
OPTION 1
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.
EMBEDMENT INTO MASONRY
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



OPTION 2
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM AND
1" PT CONT. WOOD SPACER
1/4" ULTRACONS BY ELCO WITH 1 1/4" MIN.
EMBEDMENT INTO MASONRY
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

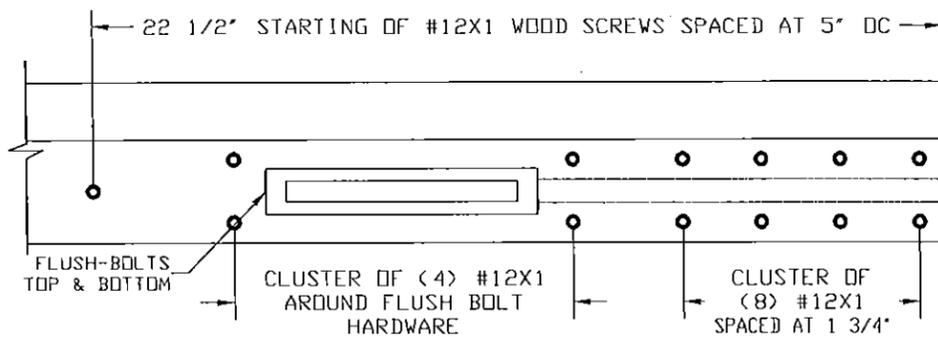


OPTION 3
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
AND 2" PT CONT. WOOD BUCK BY OTHERS
#14 SS WOOD SCREWS OR
1/4" ULTRACONS WITH
1 1/2" MIN. EMBEDMENT INTO WOOD (SG=.55)
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

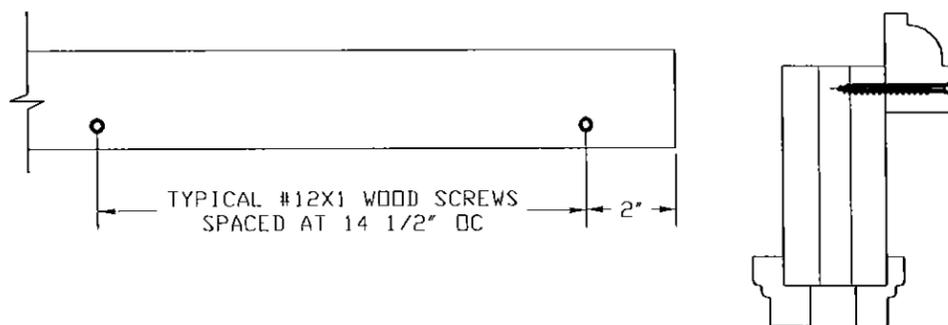


OPTION 4
FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
1/4"-20 HWH DRILFLEX SELF DRILLING SCREWS BY
ELCO INTO MIN. 1/8" A36 STEEL.
(SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)

ACTIVE ASTRAGAL INSTALLATION TO DOOR STILE
SAME DETAIL TOP AND BOTTOM

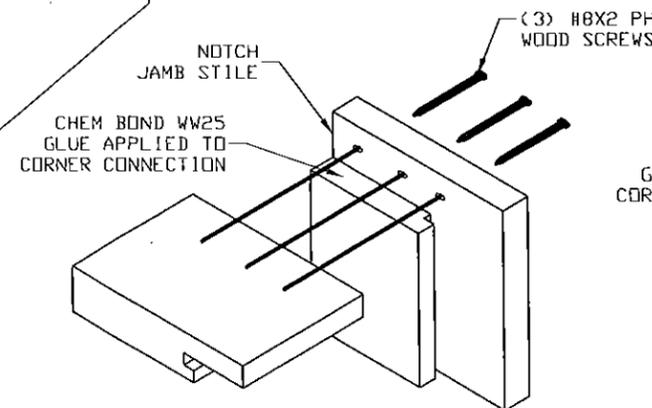


INACTIVE ASTRAGAL INSTALLATION TO DOOR STILE
SAME DETAIL TOP AND BOTTOM



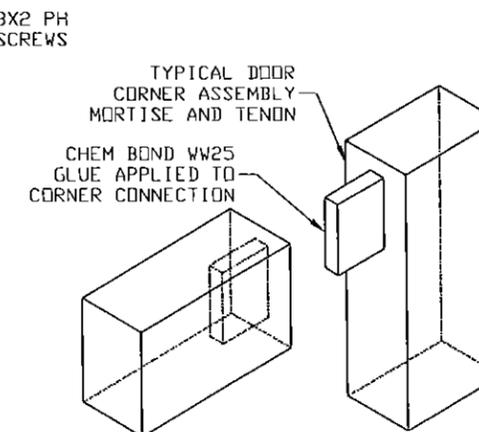
FRAME AND DOOR ASSEMBLY

TYPICAL CORNER FRAMING
CONSTRUCTION



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

TYPICAL DOOR CORNER
CONSTRUCTION



MANUFACTURER:

ROATAN
MAHOGANY
USA, INC

4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

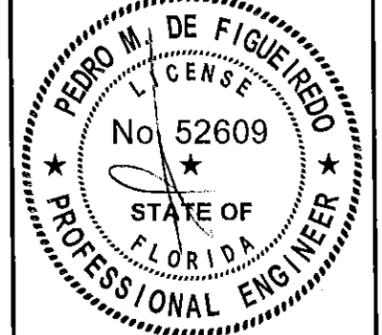
PRODUCT:

MAHOGANY
SWING-OUT DOOR
SWIETENIA SERIES
OPAQUE DOOR
WOOD PANEL OPTION ONLY
LARGE & SMALL MISSILE IMPACT

ENGINEERING:

ENGCO INC. CA 8116

5595 ORANGE DR. 201
DAVIE, FL. 33314
Tel.: (954) 585-0304
ENGCO@AOL.COM



AUG 26 2015 Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921.11
Expiration Date 8/5/19
b. [Signature]
Miami Door Product Control

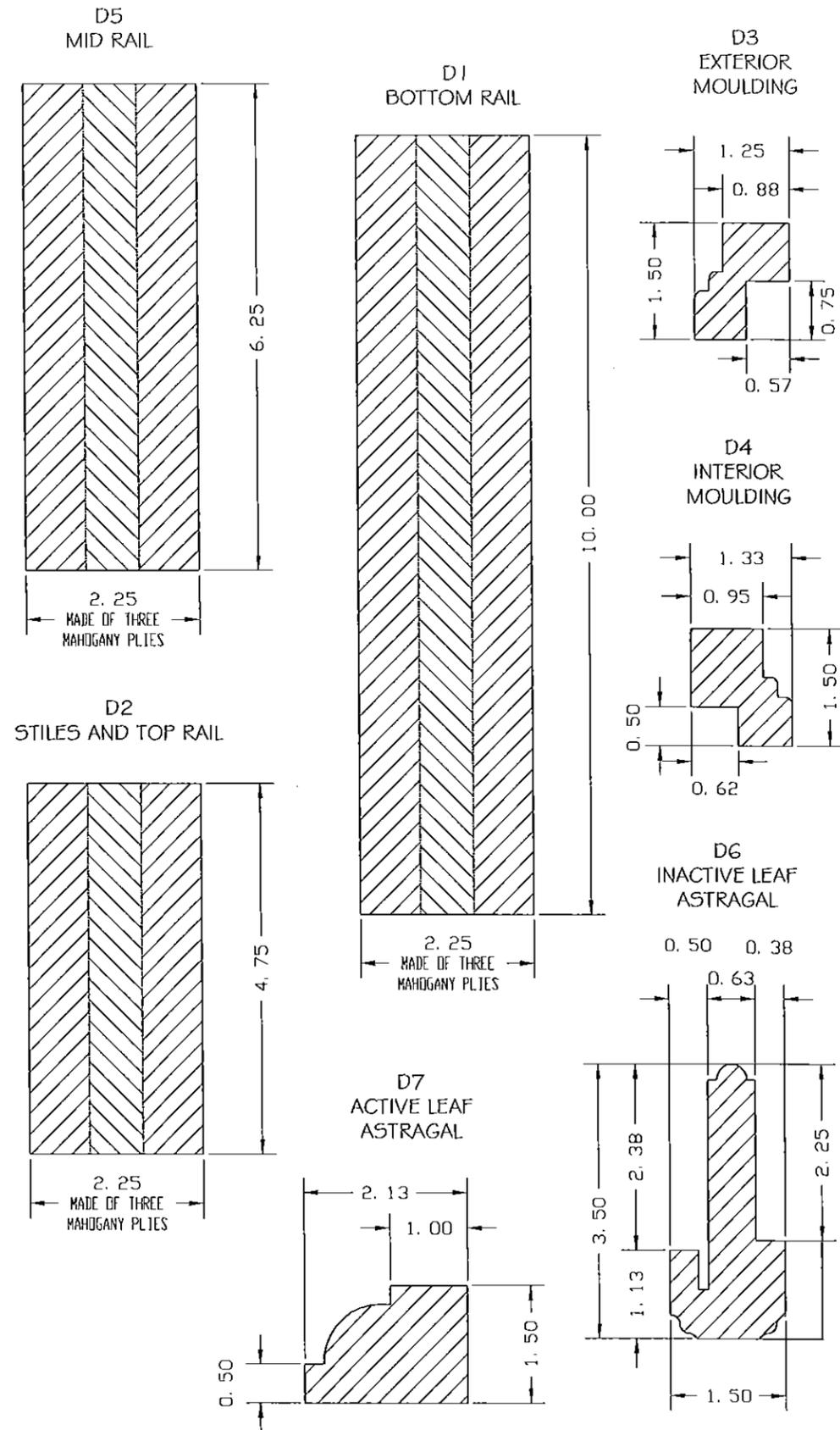
DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
6 OF 7

DRAWING #:
15-256

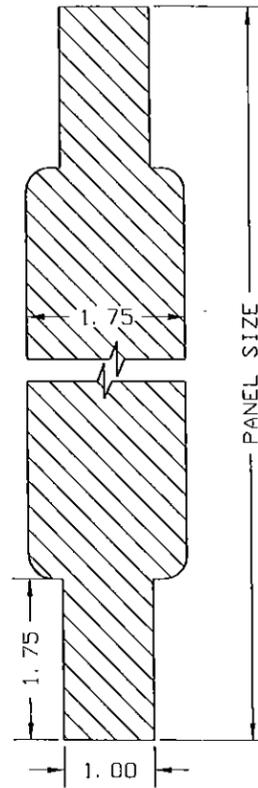
PRODUCT COMPONENTS AND BILL OF MATERIALS

DOOR PARTS

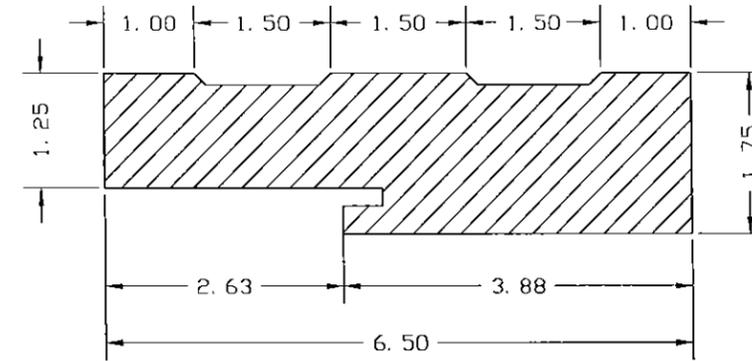


CLADDING

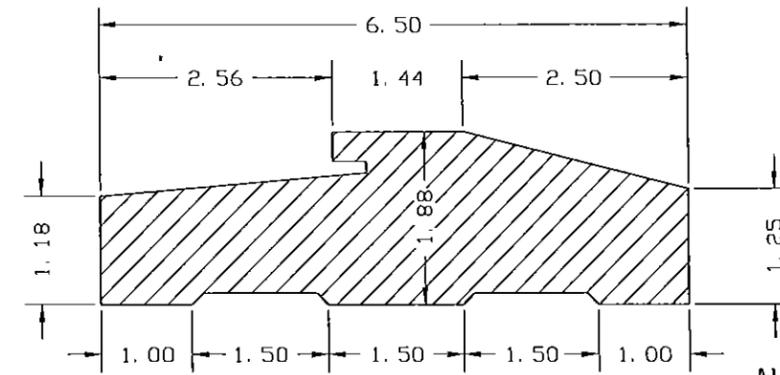
GL2- 1 3/4" SOLID MAHOGANY PANEL



FRAME PARTS



F1- JAMBS AND HEADER

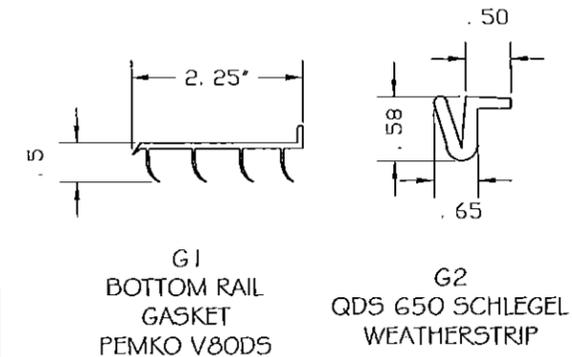


F2- THRESHOLD

BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	REMARKS
D1	BOTTOM RAIL	2.25"X 10"	MAHOGANY WOOD
D2	TOP RAIL & STILES	2.25"X 4.75"	MAHOGANY WOOD
D3	EXTERIOR MOULDING	1.50"X 1.25"	MAHOGANY WOOD
D4	INTERIOR MOULDING	1.50"X 1.375"	MAHOGANY WOOD
D5	MID RAIL	2.25"X 6.25"	MAHOGANY WOOD
D6	INACTIVE ASTRAGAL	3.50"X 1.50"	MAHOGANY WOOD
D7	ACTIVE ASTRAGAL	2.13"X 1.50"	MAHOGANY WOOD
GL2	SOLID PANEL	1.75" THICK	MAHOGANY WOOD
F1	JAMB AND HEADER	1.75"X6.50"	MAHOGANY WOOD
F2	SILL	1.875"X6.50"	MAHOGANY WOOD
G1	BOTTOM RAIL GASKET	2.25"X0.5"	PEMCO V80D5 VINYL
G2	FRAME SEAL	0.65"X0.58"	SCHLEGEL QDS 650

GASKETS



G1
BOTTOM RAIL
GASKET
PEMCO V80D5

G2
QDS 650 SCHLEGEL
WEATHERSTRIP

MANUFACTURER:

ROATAN
MAHOGANY
USA, INC

4004C AURORA STREET
CORAL GABLES, FL 33146
PHONE: (305) 774-5999
FAX: (305) 774-0083

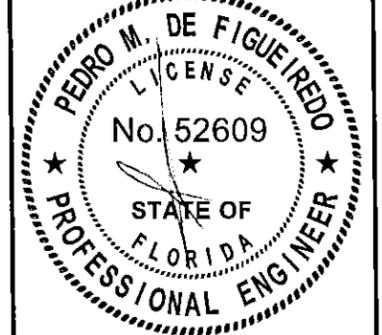
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AUG 26 2015

Engineer Seal
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0921-11
Expiration Date: Aug 02, 2019

Pedro M. De Figueiredo
Miami-Dade Product Control

DATE: 08/26/2015
SCALE: NA
DESIGN BY: PPMF

SHEET
7 OF 7

DRAWING #:
15-256