



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908  
www.buildingcodeonline.com

**NOTICE OF ACCEPTANCE (NOA)**

**Rotan Mahogany Millwork, Inc.**  
4004 C 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Outswing glazed Mahogany Wood Door**

**APPROVAL DOCUMENT:** Drawing No. **07-210**, titled "Mahogany Swing-Out Door", sheets 1 through 7 of 7, dated 07/07/07 and last revised on Aug 28, 2007, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **renews & revises NOA # 02-0510.04** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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

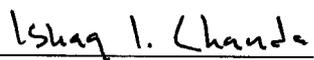


**NOA No 07-0717.08**  
**Expiration Date: August 08, 2012**  
**Approval Date: September 20, 2007**  
**Page 1**

**Rotan Mahogany Millwork, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # **02-0510.04**)
1. Manufacturer's die drawings and sections.
  2. Drawing No. **07-210**, titled "Mahogany Swing-Out Door", sheets 1 through 7 of 7, dated 07/07/07 and last revised on Aug 28, 2007, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E.
- B. TESTS** (transferred from file # **02-0510.04**) original test conducted per SFBC, PA 202-94 now known as TAS 202-94.
1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94  
3) Water Resistance Test, per SFBC, PA 202-94  
4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94  
5) Large Missile Impact Test per SFBC, PA 201-94  
6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
- 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** (transferred from file # **02-0510.04**)
1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by EngCo Inc., dated July 12, 2007, signed and sealed by Pedro De Figueiredo, P.E.
  2. Glazing complies with ASTM E1300- 02
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **03-0916.02** issued to Nebula Glass International, Inc. for "Glasslam Safety Plus Laminated Glass", expiring on 9/9/08.
- F. STATEMENTS**
1. Statement letter of conformance and no financial interest, prepared by Engco Inc., dated 08/28/07, signed and sealed by Pedro DeFigueiredo, P.E.
  2. Statement letter of compliance, part of above referenced test reports.
- G. OTHER**
1. This **renews & revises** NOA # **02-0510.04** expired on August 08, 2007.

  
\_\_\_\_\_  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 07-0717.08  
Expiration Date: August 08, 2012  
Approval Date: September 20, 2007

**DESIGNED PRESSURE RATING**  
Pd= ± 75 PSF

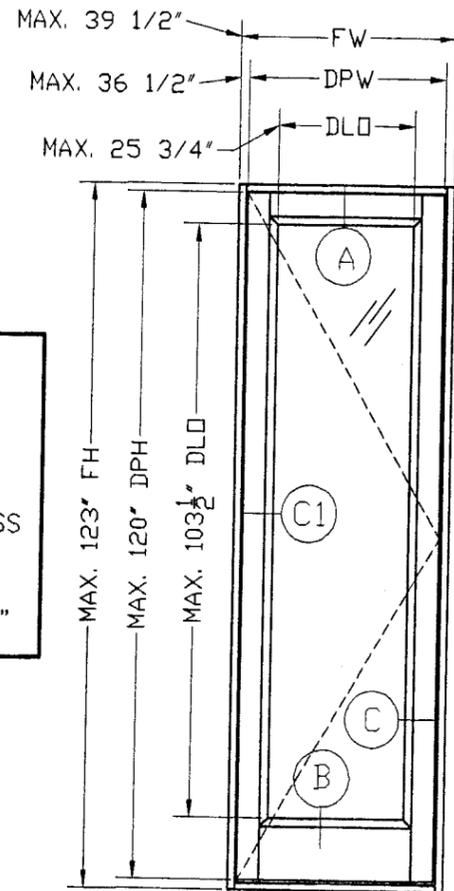
**MAXIMUM FRAME SIZES**  
FINISHED WIDTH: FW= 39 1/2"  
FINISHED HEIGHT: FH= 123"

**MAXIMUM CLADDING SIZES**  
1/2" GLASLAM SAFETY-PLUS IMPACT GLASS  
DLO: 25 3/4" X 103 1/2"  
1 1/2" MAHOGANY WOOD RAISED PANEL  
MAX. RAISED PANEL: 25 3/4" X 75 1/2"

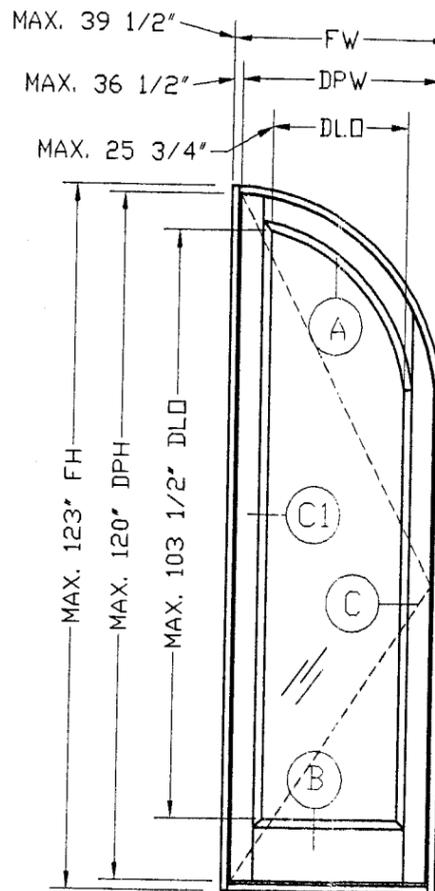
**LEGEND**

FH - FINISHED HEIGHT  
FW - FINISHED WIDTH  
DLO - DAY LIGHT OPENING  
DPH - DOOR PANEL HEIGHT  
DPW - DOOR PANEL WIDTH

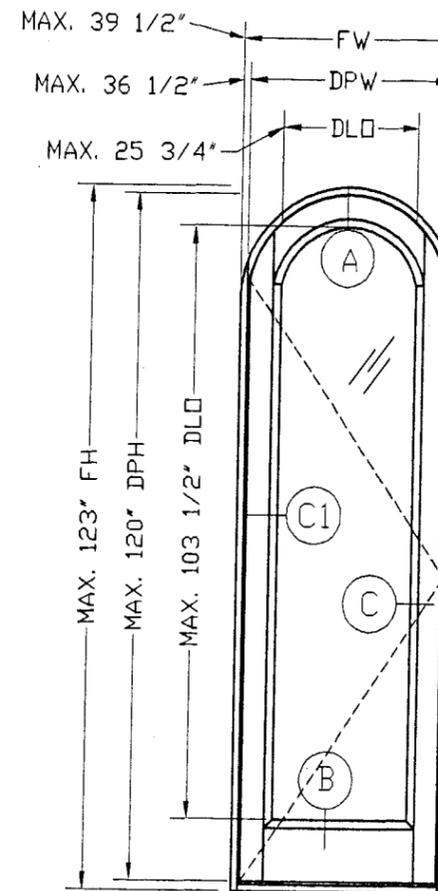
**TYPICAL SINGLE ELEVATIONS**



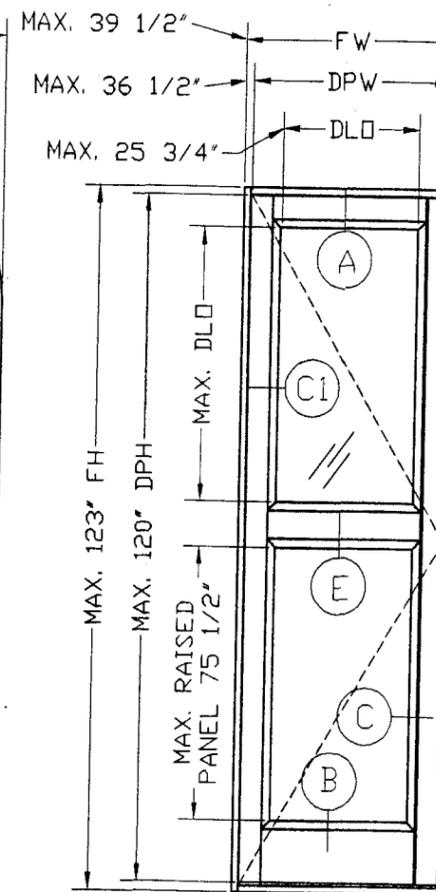
**TYPE 1**  
SQUARE CONFIGURATION



**TYPE 2**  
1/2 ARCH CONFIGURATION



**TYPE 3**  
FULL ARCH CONFIGURATION



**TYPE 4**  
LITE WITH SPLIT RAISED PANEL CONFIGURATION

**GENERAL NOTES:**

- 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 2004 FLORIDA BUILDING CODE (2006 SUPPLEMENT) INCLUDING THE HIGH VELOCITY HURRICANE ZONES.
- 3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:  
  
"ROATAN MAHOGANY MILLWORK INC - MIAMI - FLORIDA  
LARGE MISSILE IMPACT RESISTANT  
MAHOGANY SWING-OUT DOOR  
DADE COUNTY APPROVED"
- 4- LOADS: DESIGNED LOAD BASED ON THE ASCE 7-02. LOADS TO BE PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE DESIGNED PRESSURE RATING.

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, WIND LOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

8- DISCLAIMER: ENGCO INC. HAS NO CONTROL IN THE MANUFACTURING AND/OR PERFORMANCE OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND TEST DATA PROVIDED BY THE MANUFACTURER.

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
GL1	LAM. IMPACT GLASS	1/2" AN. LAM.	GLASSLAM
GL2	SOLID PANEL	1.75" THICK	MAHOGANY WOOD
F1	JAMB AND HEADER	1.75' X 6.50'	MAHOGANY WOOD
F2	SILL	1.875' X 6.50'	MAHOGANY WOOD
G1	BOTTOM RAIL GASKET	2.25' X 0.5'	PEMKO V80DS VINYL
G2	FRAME SEAL	0.65' X 0.58'	SCHEGEL QDS 650

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

**GLASS TYPE:**  
1/2" LAMINATED MADE OF TWO 3/16" PANELS PLUS GLASLAM SAFETY-PLUS INTERLAYER AS PER CURRENT NOA

MANUFACTURER:  
**Roatan Mahogany Millwork Inc**  
4004C AURORA STREET  
CORAL GABLES, FL 33146  
Tel.: (305) 774 5999  
Fax.: (305) 774 0083

PRODUCT:  
**MAHOGANY SWING-OUT DOOR**  
GLASS / WOOD PANELS

Engineering:  
**EngCo Inc.**  
CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, FL 33313  
Tel.: (954) 585-0304  
Fax: (954) 585-0305  
ENGCO @ AOL.COM

**AUG 28 2007**  
Engineer Seal  
Pedro De Figueiredo  
PE 52609

DRAFTING:  
**PK DRAFTING & MORE**

Date: 07/07/07  
Scale: NA  
Design by: PPMF

MIAMI-DADE BCCD:

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 07-0717-08  
Expiration Date 04/08/2012  
By Ishag I. Lhanda  
Miami Dade Product Control Division

**Drawing Number**  
07-210

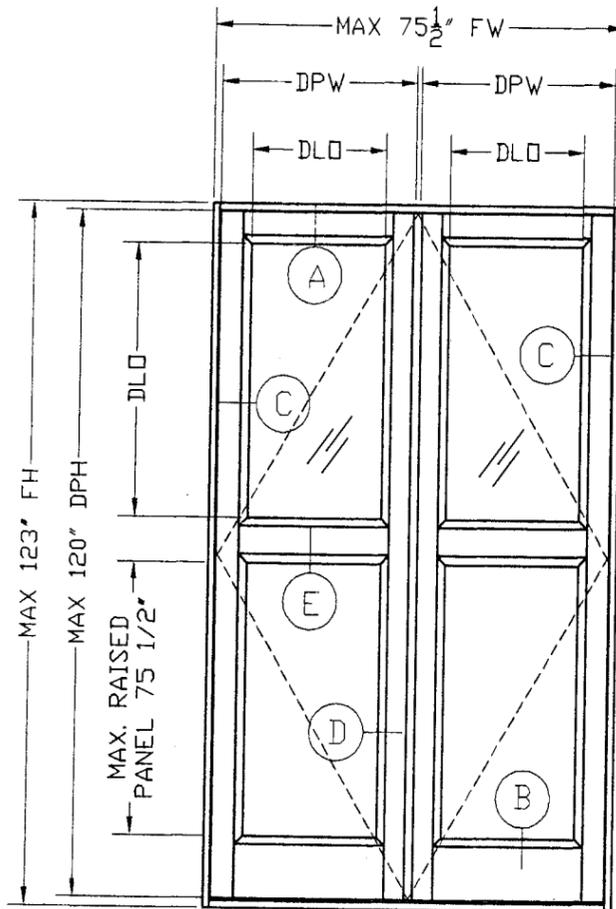
**SHEET**  
1 of 7

**DESIGNED PRESSURE RATING**  
Pd= ± 75 PSF

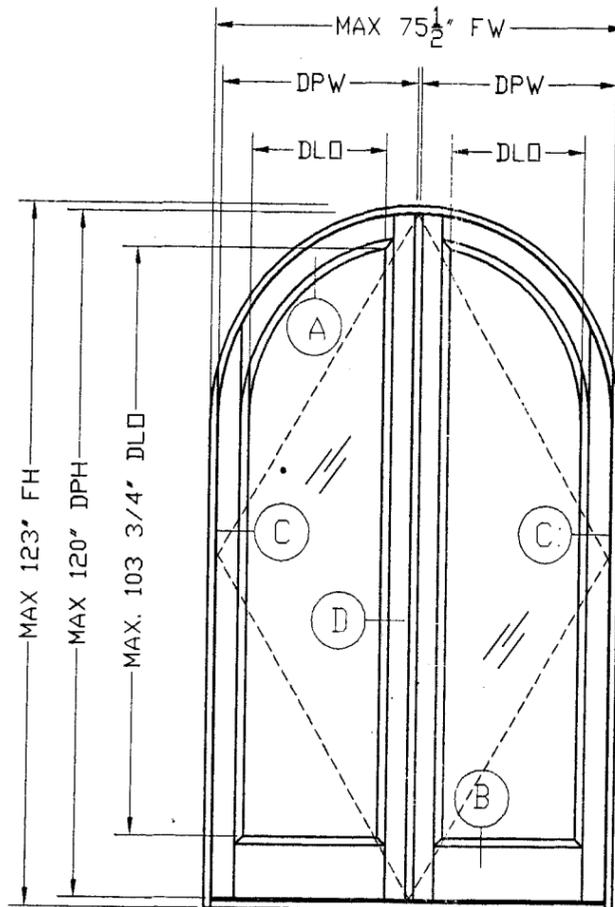
**MAXIMUM FRAME SIZES**  
FINISHED WIDTH: FW= 75 1/2"  
FINISHED HEIGHT: FH= 123"

**MAXIMUM CLADDING SIZES**  
1/2" GLASLAM SAFETY-PLUS IMPACT GLASS  
DLO: 25" X 103 3/4"  
1 1/2" MAHOGANY WOOD RAISED PANEL  
MAX. RAISED PANEL: 25 3/4" X 75 1/2"

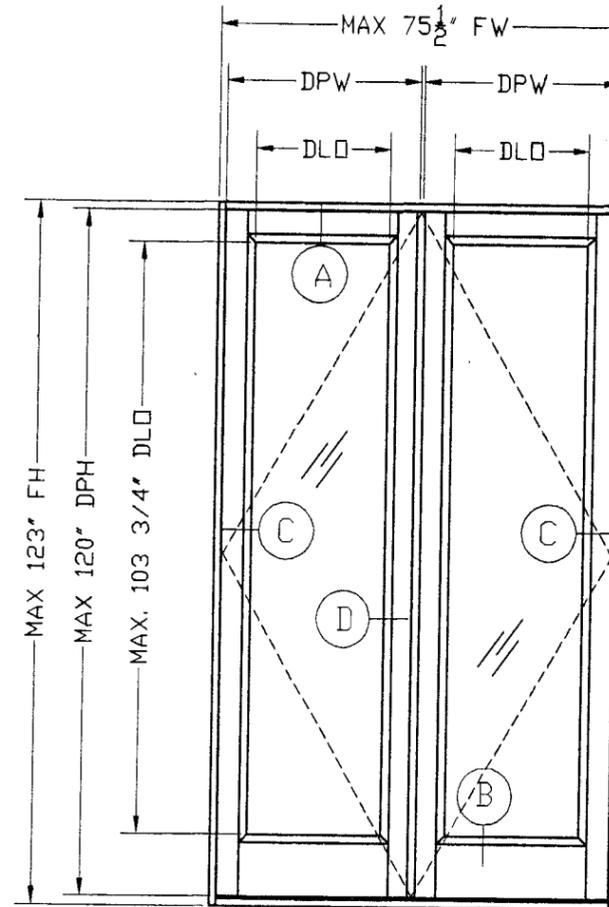
**TYPICAL PAIR ELEVATIONS**



**TYPE 5**  
SPLIT PANEL CONFIGURATION



**TYPE 6**  
ARCH CONFIGURATION



**TYPE 7**  
SQUARE CONFIGURATION

MANUFACTURER:  
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PRODUCT:  
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AUG 28 2007

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Date: 07/07/07  
Scale: NA  
Design by: PPMF

MIAMI-DADE BCCD:

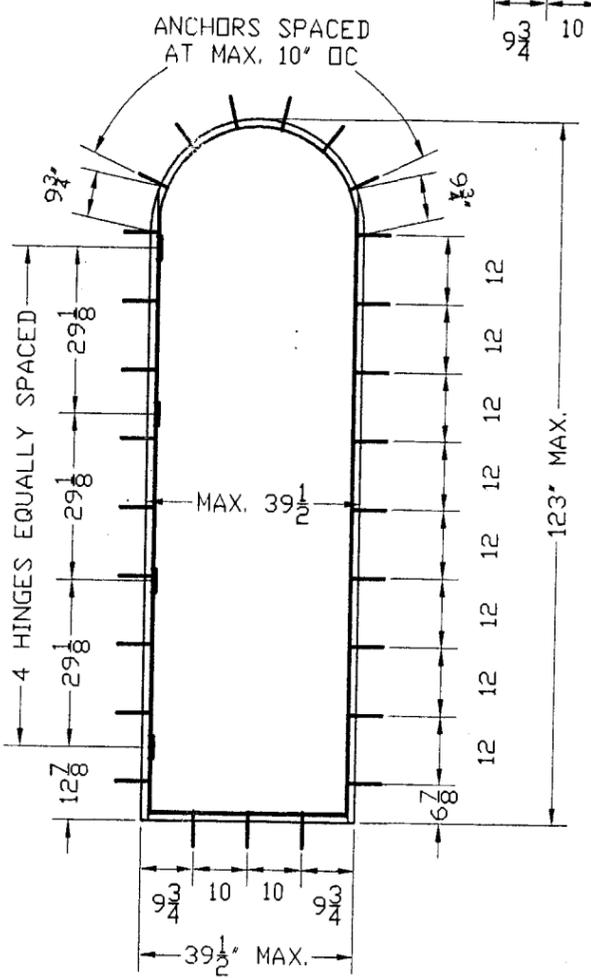
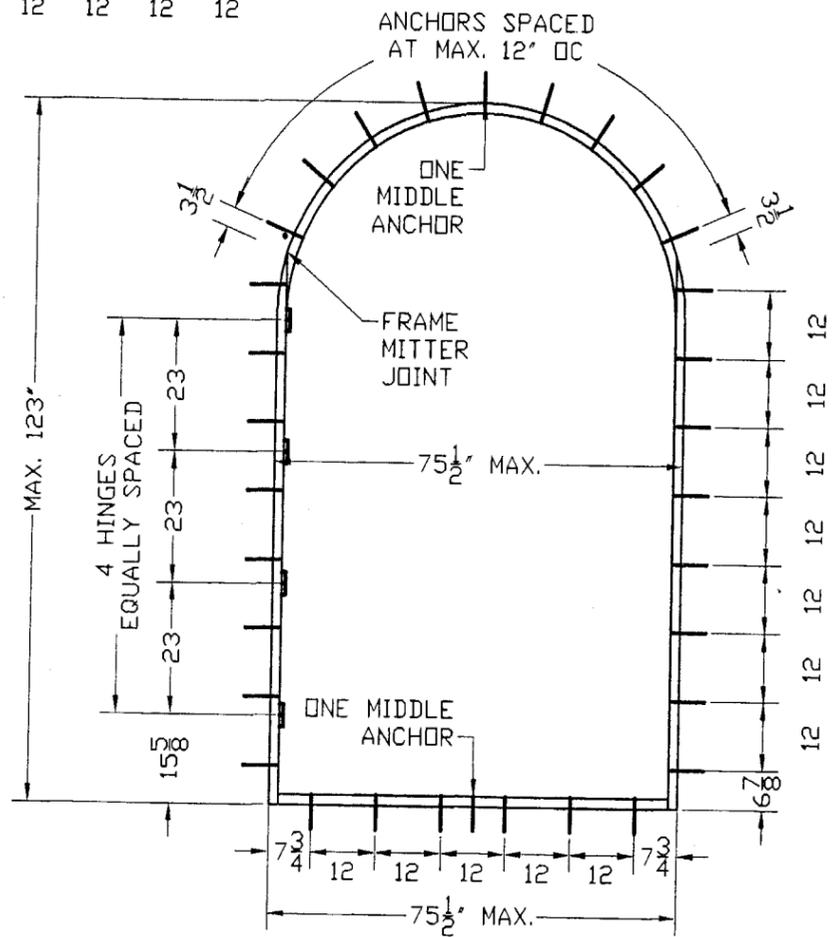
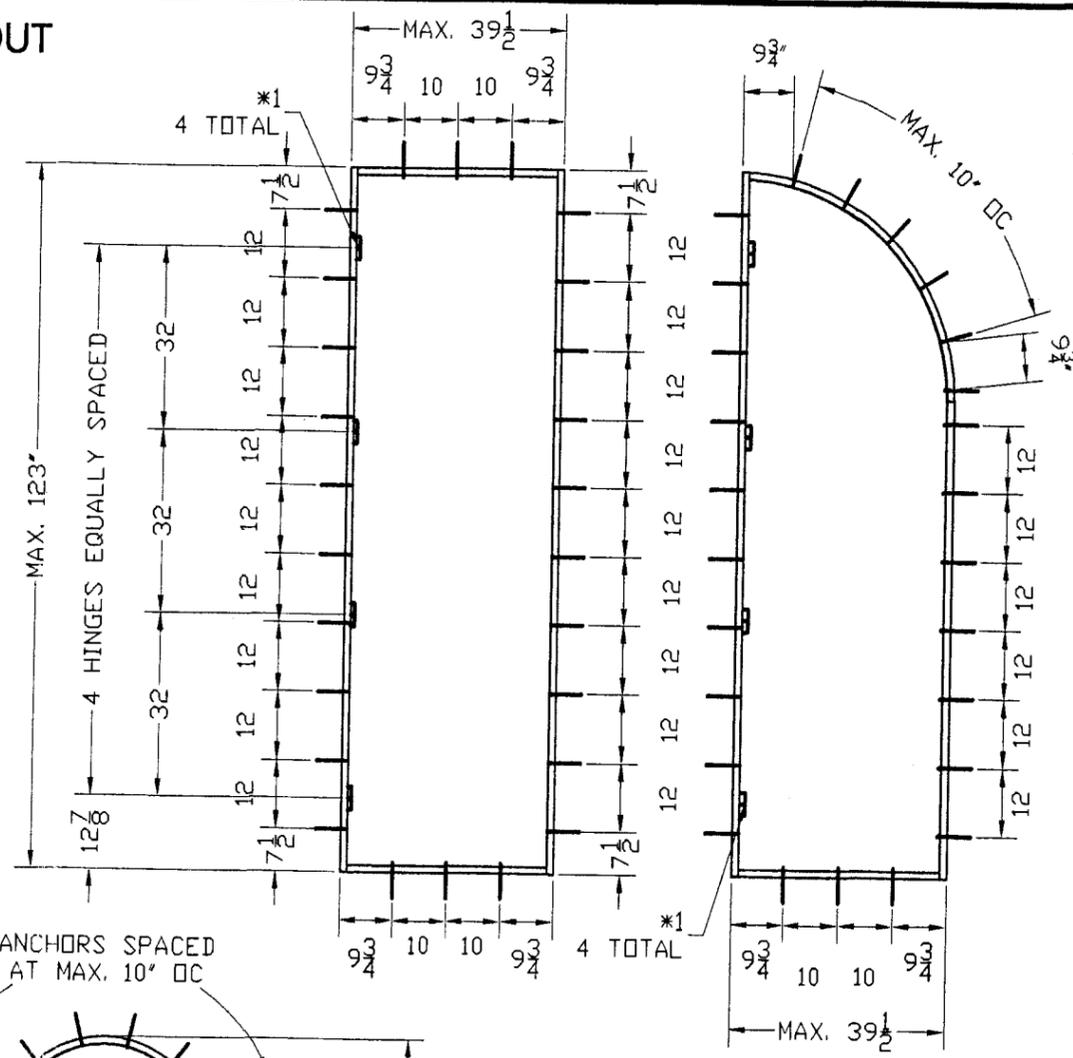
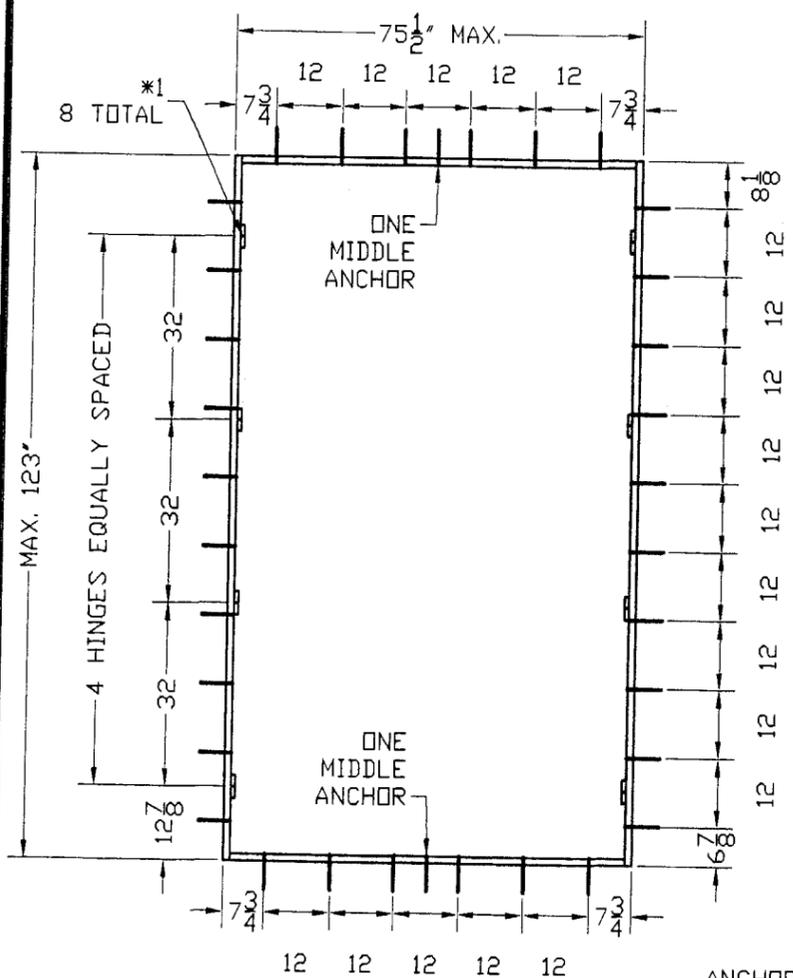
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 07-0717-08  
Expiration Date AUG 08, 2012  
By Isaac I. Lhanda  
Miami Dade Product Control  
Division

Drawing Number  
07-210

SHEET  
2 of 7

# TYPICAL ANCHORAGE LAY-OUT

(SEE SHEET 6 OF 7 FOR ANCHOR DETAILS)



MANUFACTURER:  
**Roatan Mahogany Millwork Inc**  
 4004C AURORA STREET  
 CORAL GABLES, FL 33146  
 Tel.: (305) 774 5999  
 Fax.: (305) 774 0083

PRODUCT:  
**MAHOGANY SWING-OUT DOOR**  
 GLASS / WOOD PANELS

Engineering:  
**EngCo Inc.**  
 CA 8116  
 6971 W. Sunrise Blvd. 104  
 Plantation, FL 33313  
 Tel.: (954) 585-0304  
 Fax: (954) 585-0305  
 ENCGO @ AOL.COM

*[Signature]*  
 AUG 28 2007

Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

DRAFTING:  
**PK DRAFTING & MORE**

Date: 07/07/07  
 Scale: NA  
 Design by: PPMF

MIAMI-DADE BCCD:

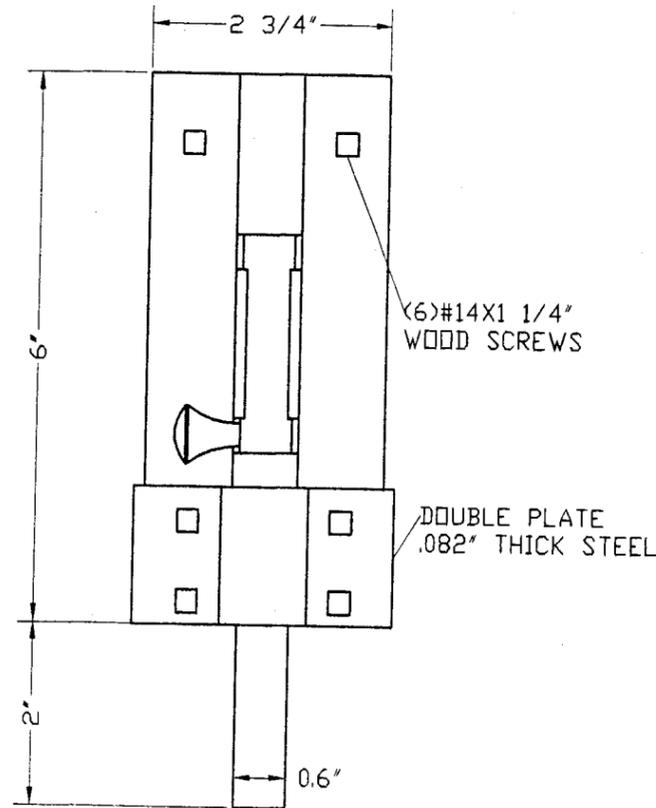
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 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0717-08  
 Expiration Date August 2012  
 By Ishag I. Lhande  
 Miami Dade Product Control  
 Division

Drawing Number  
 07-210

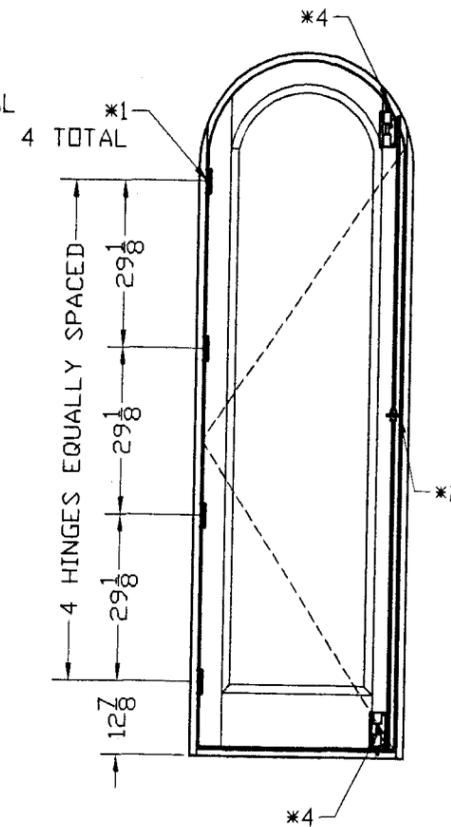
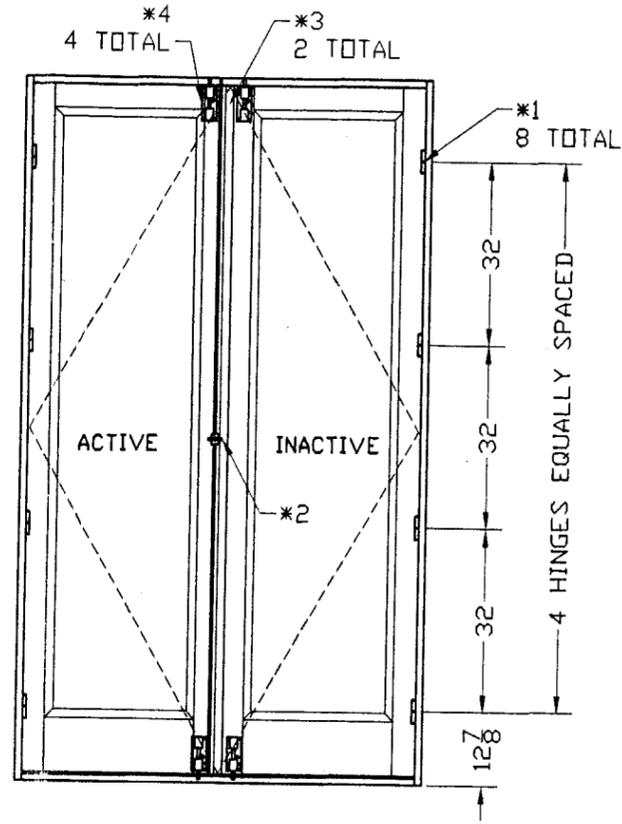
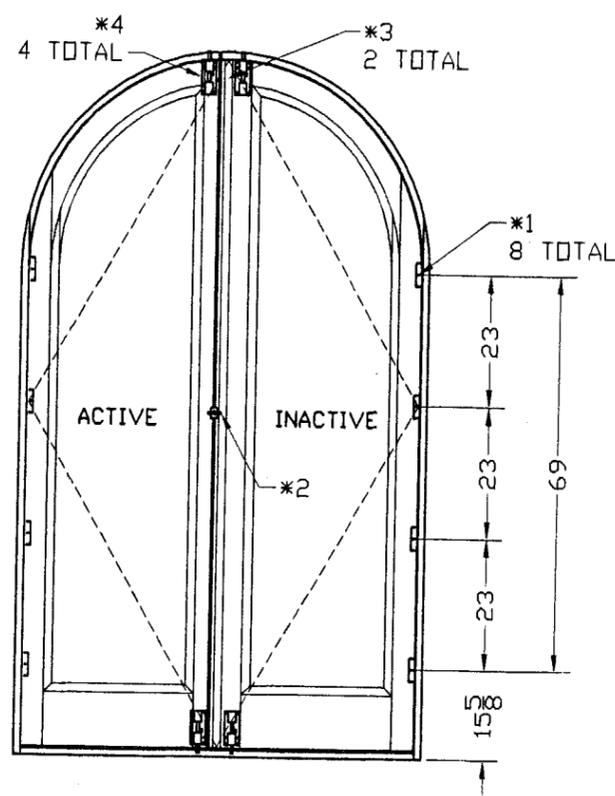
SHEET  
 3 of 7



\*3- NATIONAL .60" DIAM. THROW BOLT



# HARDWARE LAY-OUT



MANUFACTURER:  
**Roatan Mahogany Millwork Inc**  
 4004C AURORA STREET  
 CORAL GABLES, FL 33146  
 Tel.: (305) 774 5999  
 Fax.: (305) 774 0083

PRODUCT:  
**MAHOGANY SWING-OUT DOOR**  
 GLASS / WOOD PANELS

Engineering:  
**EngCo Inc.**  
 CA 8116  
 6971 W. Sunrise Blvd. 104  
 Plantation, Fl. 33313  
 Tel.: (954) 585-0304  
 Fax: (954) 585-0305  
 ENCGO @ AOL.COM

*[Signature]*  
 AUG 28 2007

Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

DRAFTING:  
**PK DRAFTING & MORE**

Date: 07/07/07  
 Scale: NA  
 Design by: PPMF

MIAMI-DADE BCCD:

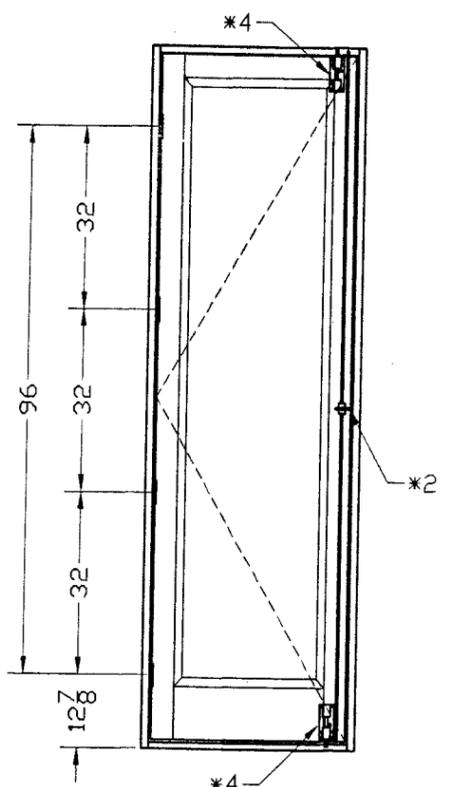
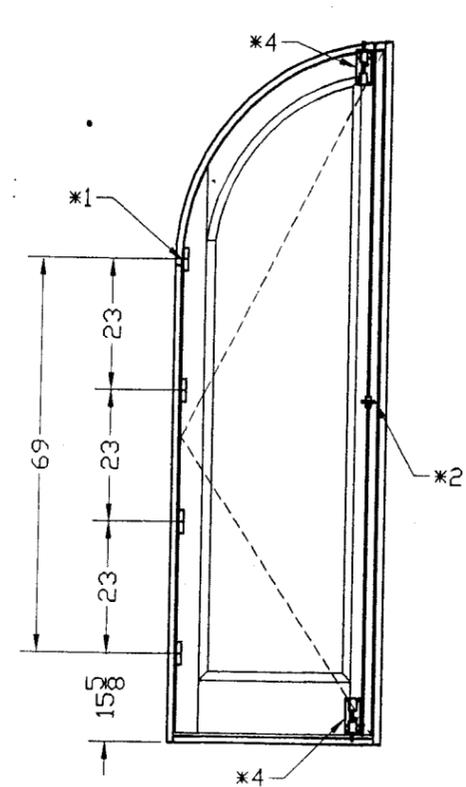
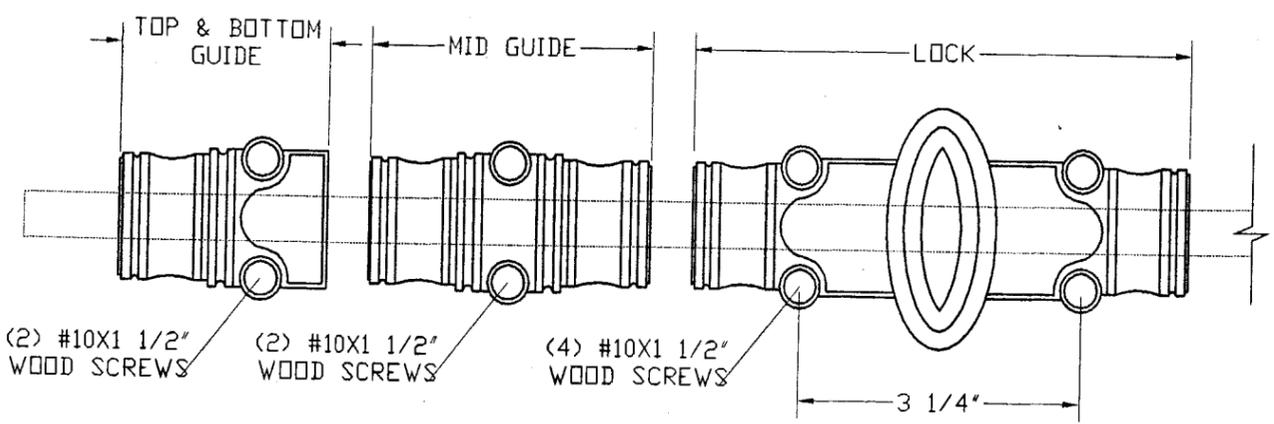
PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0717-08  
 Expiration Date AUG 08, 2012  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

Drawing Number  
 07-210

SHEET  
 5 of 7

**\* 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. ( 4 PER LEAF )  
 2- ARDIMPEX THREE POINT CREMONS 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



# FRAMING ANCHORAGE DETAILS

MANUFACTURER:  
**Roatan Mahogany Millwork Inc**  
 4004C AURORA STREET  
 CORAL GABLES, FL 33146  
 Tel.: (305) 774 5999  
 Fax.: (305) 774 0083

PRODUCT:  
**MAHOGANY SWING-OUT DOOR**  
 GLASS / WOOD PANELS

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 ENCGO @ AOL.COM

*[Signature]*  
 AUG 28 2007

Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

DRAFTING:  
**PK DRAFTING & MORE**

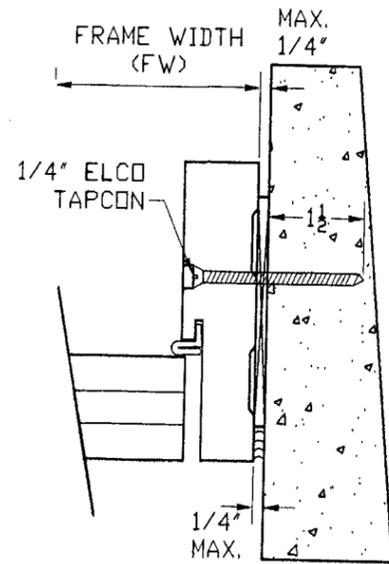
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 Design by: PPMF

MIAMI-DADE BCCD:

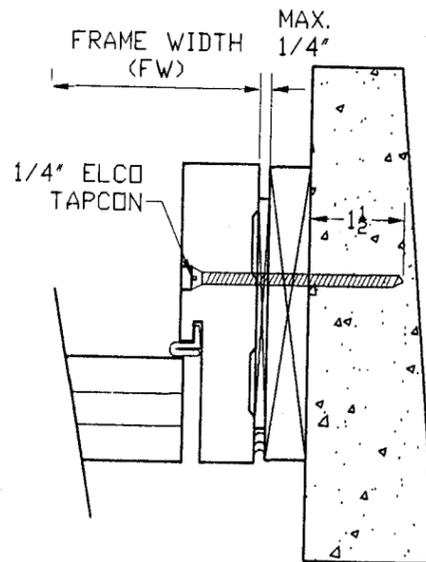
**PRODUCT RENEWED**  
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 Building Code  
 Acceptance No 07-0717-08  
 Expiration Date AUG 08, 2012  
 By [Signature]  
 Miami Dade Product Control  
 Division

Drawing Number  
 07-210

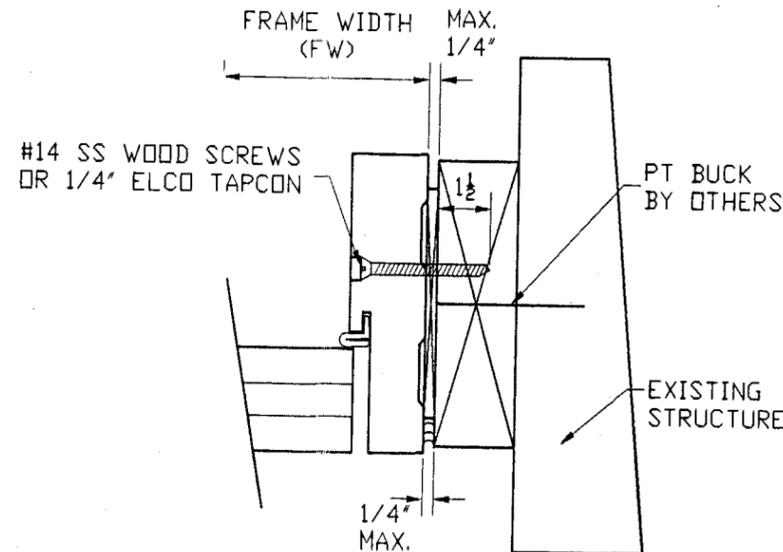
SHEET  
 6 of 7



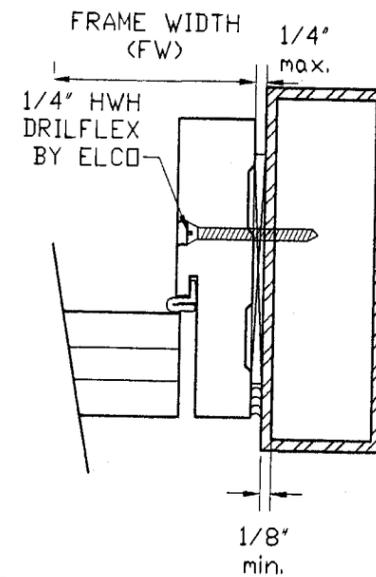
**OPTION 1**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.  
 EMBEDMENT INTO MASONRY  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



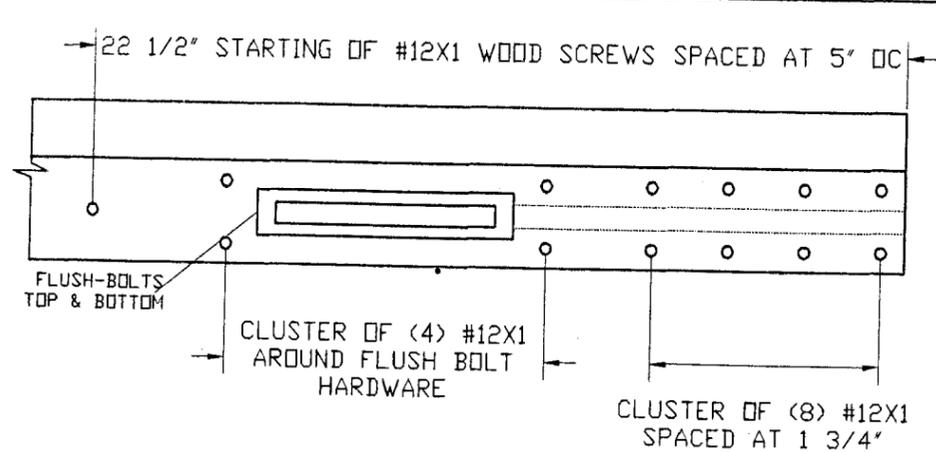
**OPTION 2**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 AND 1" X PT CONT. WOOD SPACER  
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.  
 EMBEDMENT INTO MASONRY  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



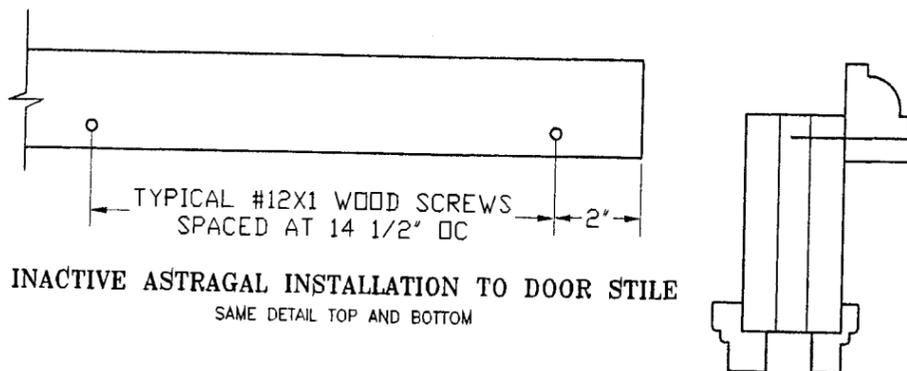
**OPTION 3**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 AND 2" X PT CONT. WOOD BUCK BY OTHERS  
 #14 SS WOOD SCREWS OR 1/4" TAPCONS WITH  
 1 1/2" MIN. EMBEDMENT INTO WOOD (SG=, 55)  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



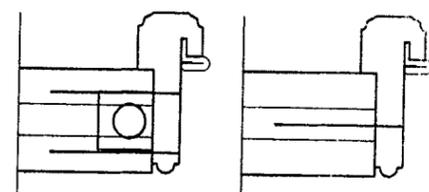
**OPTION 4**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 1/4"-20 HWH DRILFLEX SELF DRILLING  
 SCREWS BY ELCO INTO MIN. 1/8" A36 STEEL  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



**ACTIVE ASTRAGAL INSTALLATION TO DOOR STILE**  
 SAME DETAIL TOP AND BOTTOM

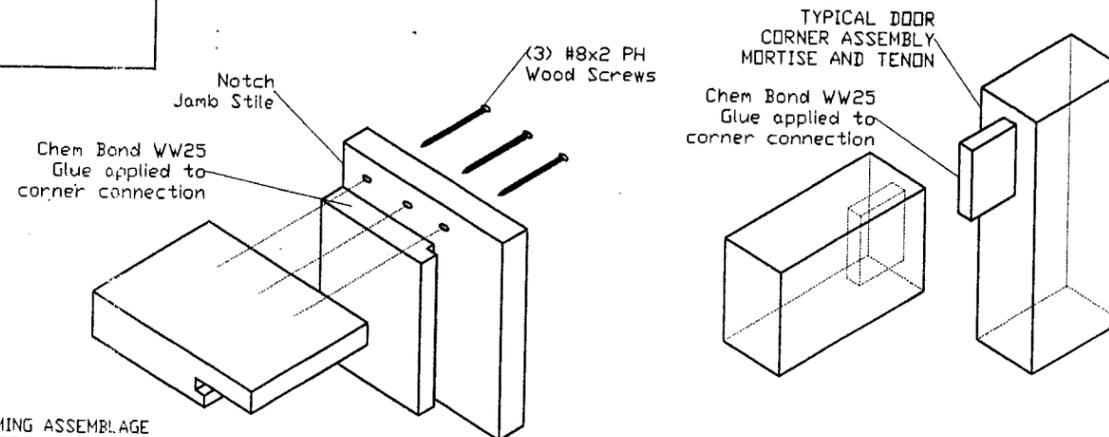


**INACTIVE ASTRAGAL INSTALLATION TO DOOR STILE**  
 SAME DETAIL TOP AND BOTTOM



**TYPICAL CORNER FRAMING CONSTRUCTION**

**TYPICAL DOOR CORNER CONSTRUCTION**

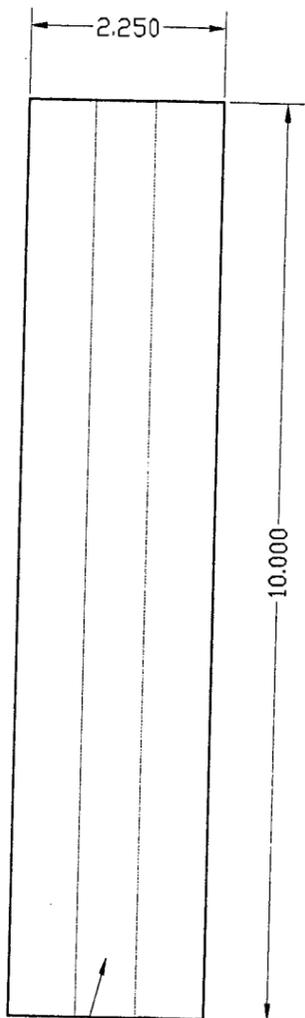


NOTE: AFTER FRAMING ASSEMBLY  
 ALL JOINTS ARE TO BE SEALED  
 WITH DOW 995 SILICONE.

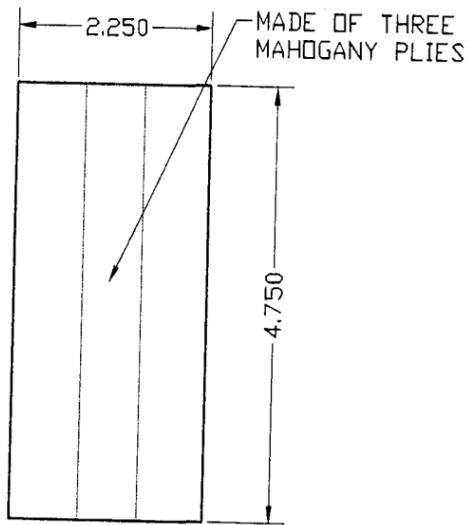
**FRAME AND DOOR ASSEMBLY**

# DOOR PARTS

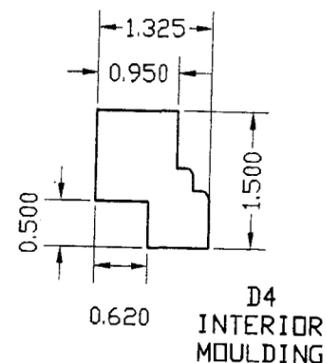
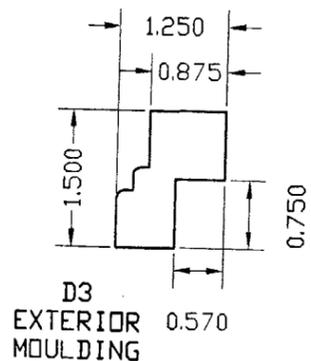
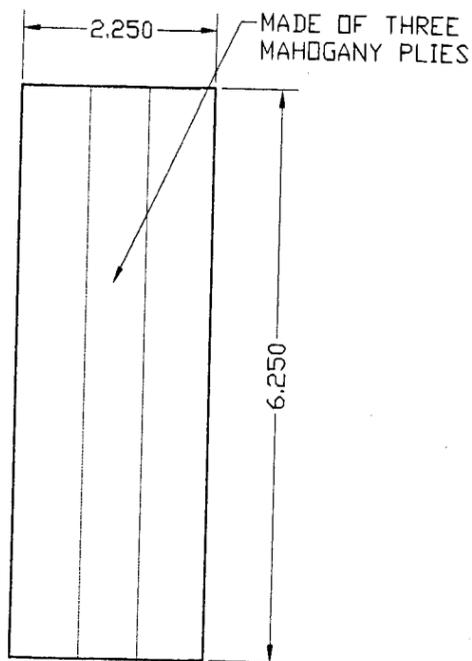
D1  
BOTTOM RAIL



D2  
STILES AND TOP RAIL

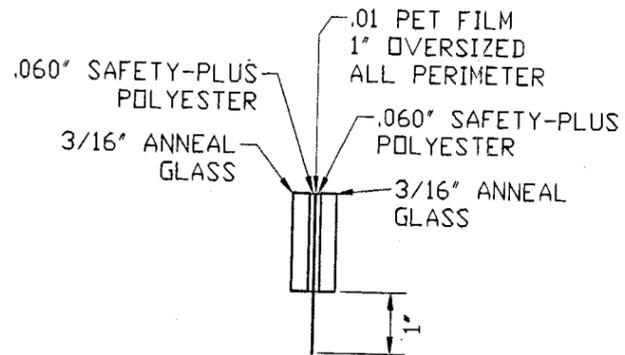


D5  
MID RAIL

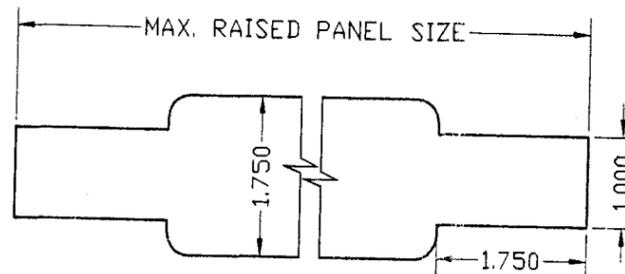


# DOOR CLADDING

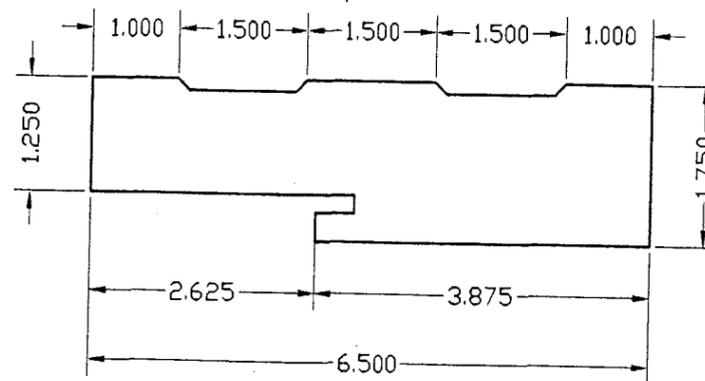
GL1- 1/2' GLASLAM SAFETY-PLUS  
LAMINATED CLEAR GLAZING  
MATERIAL AS PER CURRENT NDA



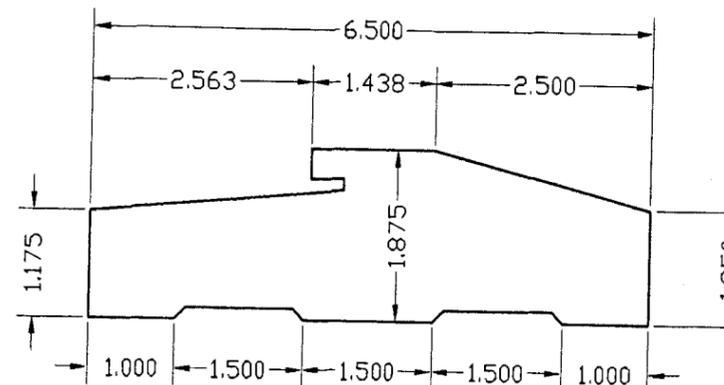
GL2- 1 3/4' SOLID  
MAHOGANY RAISED PANEL



# FRAME PARTS

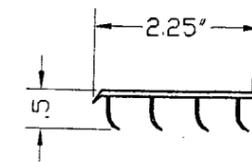


F1- JAMBS AND HEADER

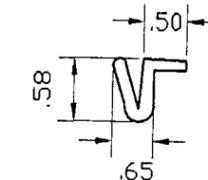


F2- THRESHOLD

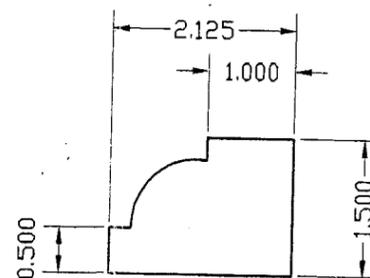
# GASKETS



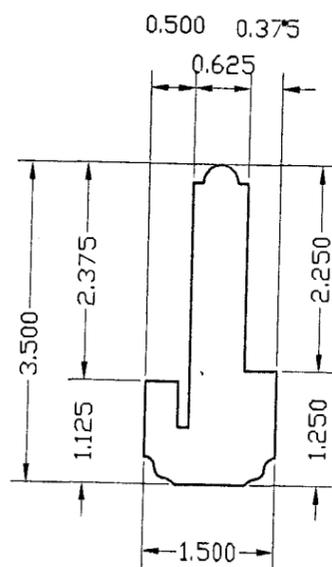
G1  
RIGID VINYL  
BOTTOM RAIL  
GASKET  
PEMKO V80DS



G2  
QDS 650 SCHLEGEL  
WEATHERSTRIP



D7  
ACTIVE LEAF  
ASTRAGAL



D6  
INACTIVE LEAF  
ASTRAGAL

MANUFACTURER:  
**Roatan Mahogany  
Millwork Inc**

4004C AURORA STREET  
CORAL GABLES, FL 33146  
Tel.: (305) 774 5999  
Fax.: (305) 774 0083

PRODUCT:  
**MAHOGANY  
SWING-OUT  
DOOR**  
GLASS / WOOD PANELS

Engineering:  
**EngCo Inc.**  
CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, Fl. 33313  
Tel.: (954) 585-0304  
Fax: (954) 585-0305  
ENCGO @ AOL.COM

AUG 28 2007

Engineer Seal  
Pedro De Figueiredo  
PE 52609

DRAFTING:  
**PK DRAFTING & MORE**

Date: 07/07/07  
Scale: NA  
Design by: PPMF

MIAMI-DADE BCCD:

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 07-0717-08  
Expiration Date 04/08/2012  
By: Ishag J. Chanda  
Miami Dade Product Control  
Division

Drawing Number  
07-210

SHEET  
7 of 7