



**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**

**NOTICE OF ACCEPTANCE (NOA)**

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**Rotan Mahogany Millwork, Inc.  
2525 SW 3<sup>rd</sup> Avenue  
Miami, Fl 33129**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Roatan Outswing Mahogany Door**

**APPROVAL DOCUMENT:** Drawing No. 02-5522r1, titled "Mahogany Swing-Out Door", sheets 1 through 7, prepared, signed and sealed by Pedro De Figueiredo, P.E., dated 6/28/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

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

**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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



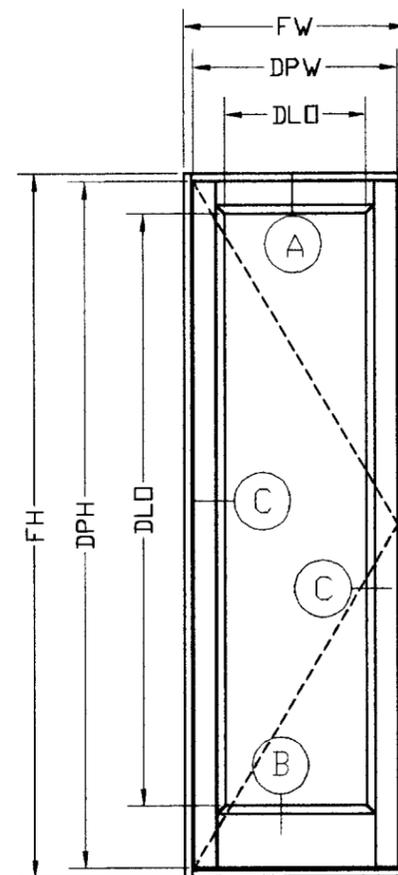
**NOA No 02-0510.04  
Expiration Date: August 8, 2007  
Approval Date: August 8, 2002  
Page 1**

## TYPICAL SINGLE ELEVATIONS

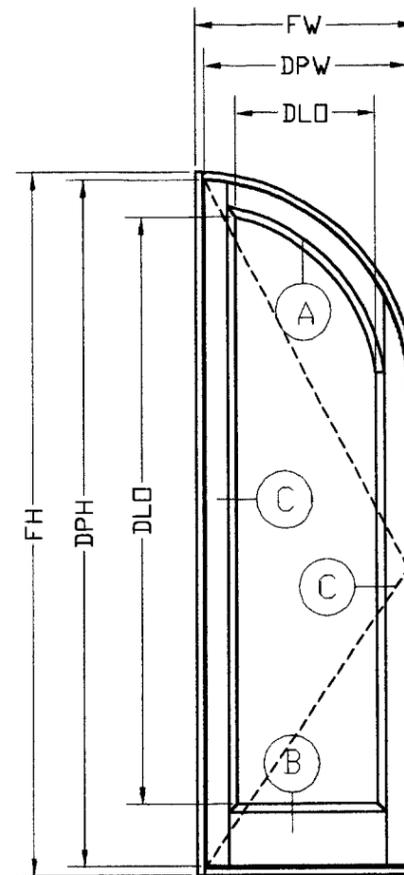
**DESIGNED PRESSURE RATING**  
Pd= ± 75 PSF

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

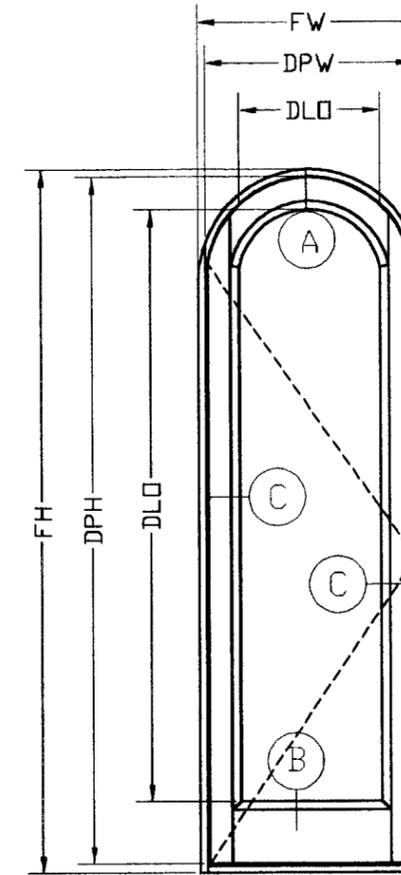
**MAXIMUM CLADDING SIZES**  
1/2" GLASLAM SAFETY-PLUS IMPACT GLASS  
DLO: 25 3/4" X 103 1/2"  
1 1/2" MAHOGANY SOLID WOOD PANEL  
DLO: 25 3/4" X 103 1/2"



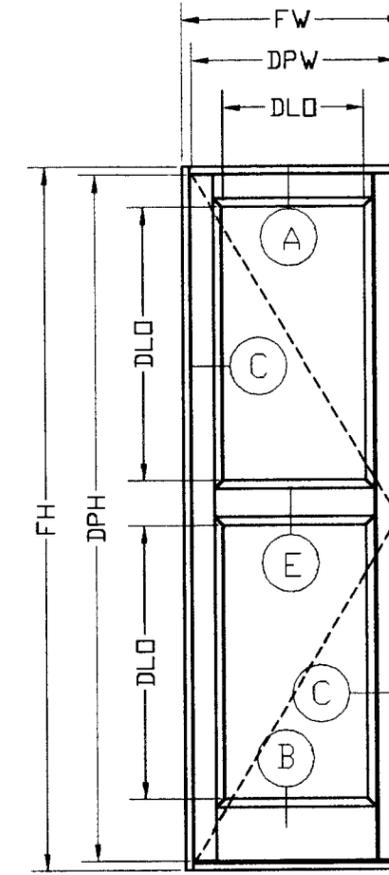
TYPE 1  
SQUARE CONFIGURATION



TYPE 2  
1/2 ARCH CONFIGURATION



TYPE 3  
FULL ARCH CONFIGURATION



TYPE 4  
LITE WITH SPLIT 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 2001 FLORIDA BUILDING CODE, HIGH VELOCITY 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  
ROATAN SWING-OUT DOOR  
DADE COUNTY APPROVED"

4- LOADS: DESIGNED LOAD BASED ON THE ASCE 7-98. LOADS ARE 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	IMPACT GLASS	1/2" ANNEAL	NOA #00-0524.06
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

Approved as complying with the  
Florida Building Code  
Date: August 8, 2002  
NOA# 02-0510.04  
Miami Dade Product Control  
Division *Glenn Berman*  
E.P.

**MANUFACTURER:**  
**Roatan Mahogany Millwork Inc**

2525 SW 3rd Ave.  
Suite 210  
MIAMI FLORIDA 33129  
Tel.: (305) 858-0053

**PRODUCT:**  
**MAHOGANY SWING-OUT DOOR**

**Engineering:**  
**EngCo Inc.**

CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, FL 33313  
Tel.: (954) 585-0304

JUN 28 2002  
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 06/24/02  
Scale: NA  
Design by: PPM

Revision:

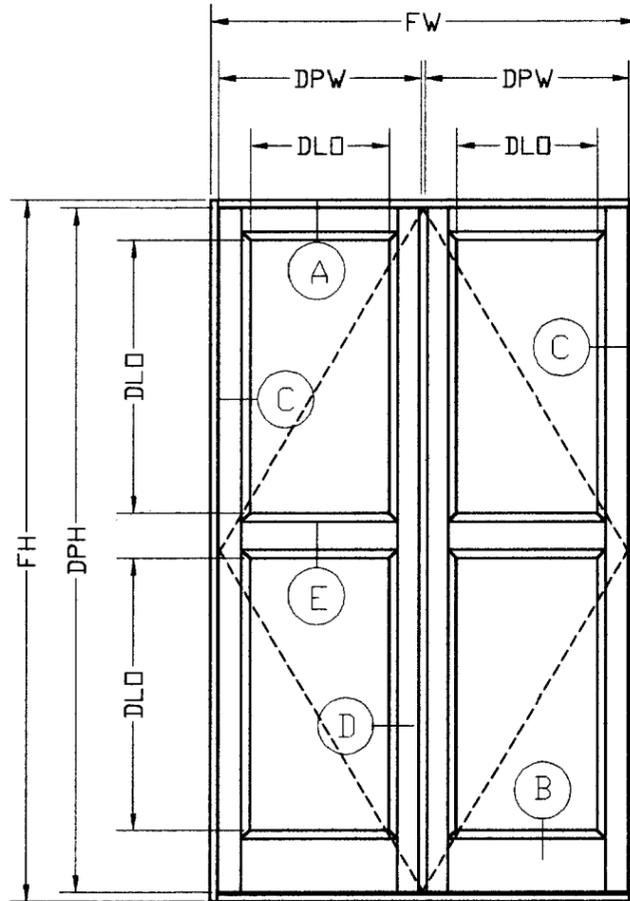
Drawing Number  
02-522r1

Sheet  
1 of 7

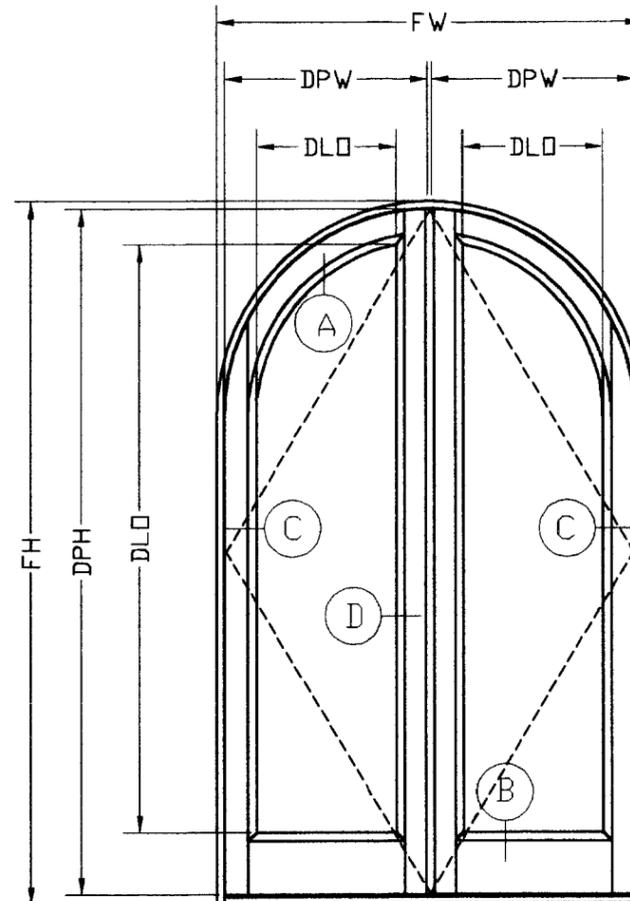
**DESIGNED PRESSURE RATING**  
Pd= ± 75 PSF

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

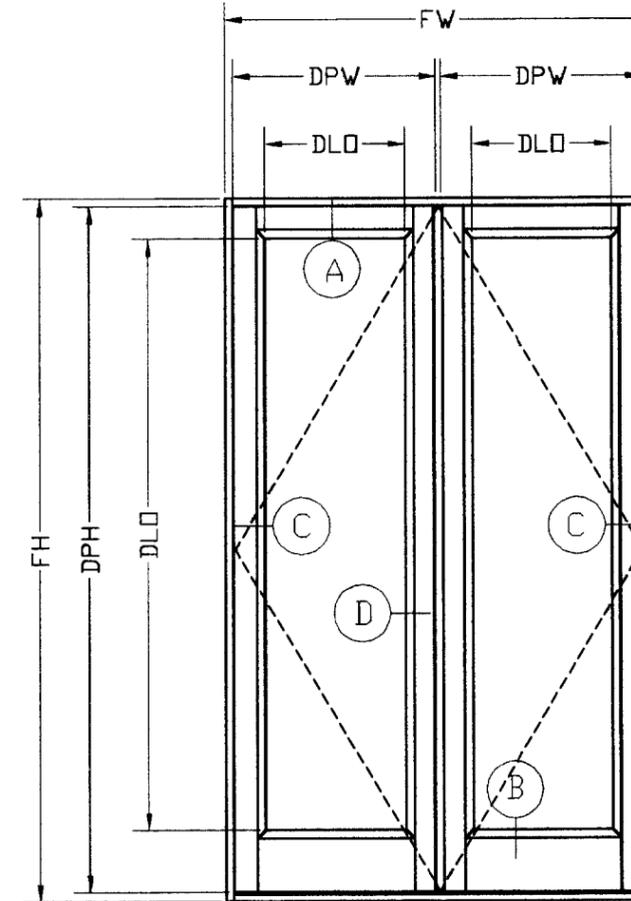
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1 1/2" MAHOGANY SOLID WOOD PANEL  
DLO: 25" X 103 3/4"



**TYPE 5**  
SPLIT PANEL CONFIGURATION



**TYPE 6**  
ARCH CONFIGURATION



**TYPE 7**  
SQUARE CONFIGURATION

**TYPICAL PAIR ELEVATIONS**

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JUN 28 2002

Engineer Seal  
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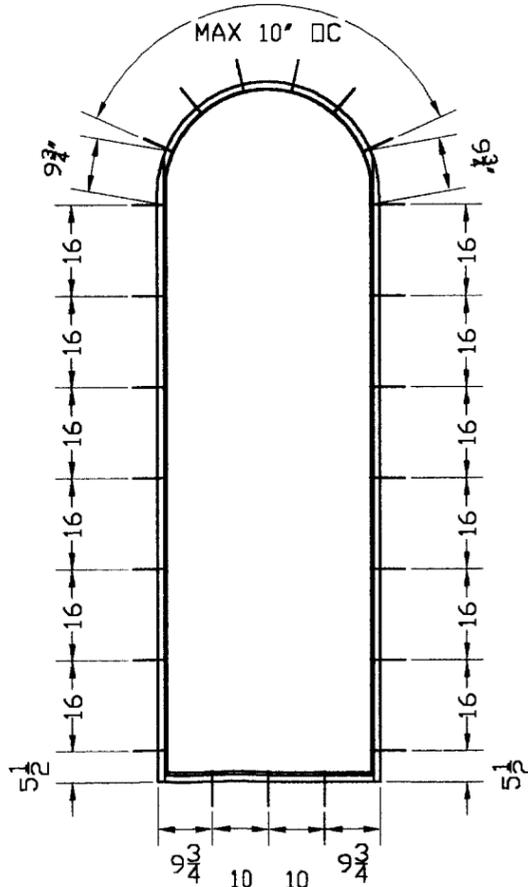
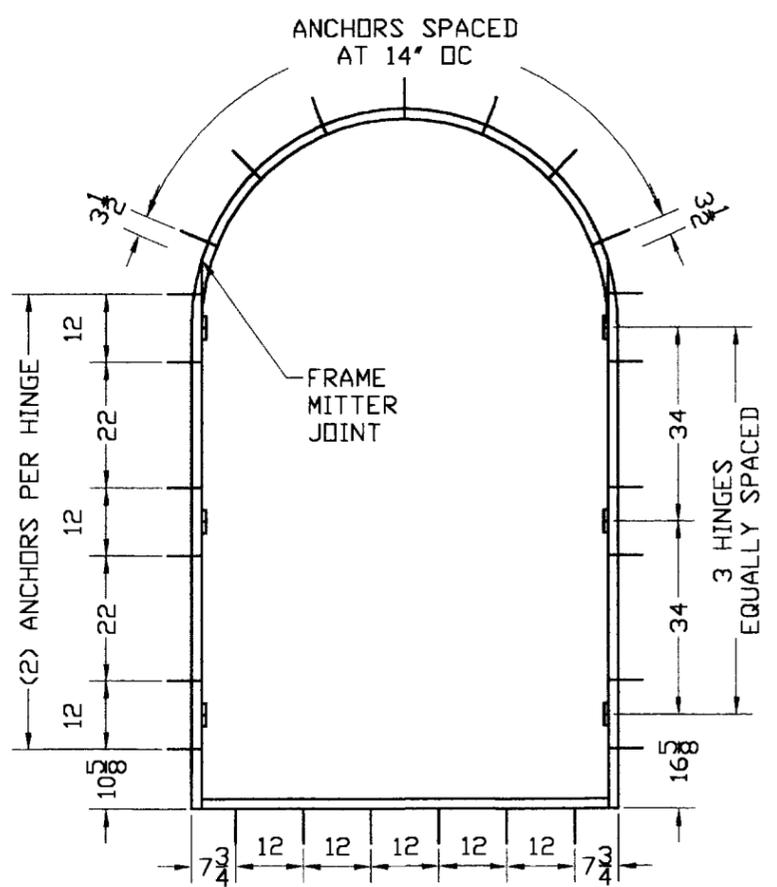
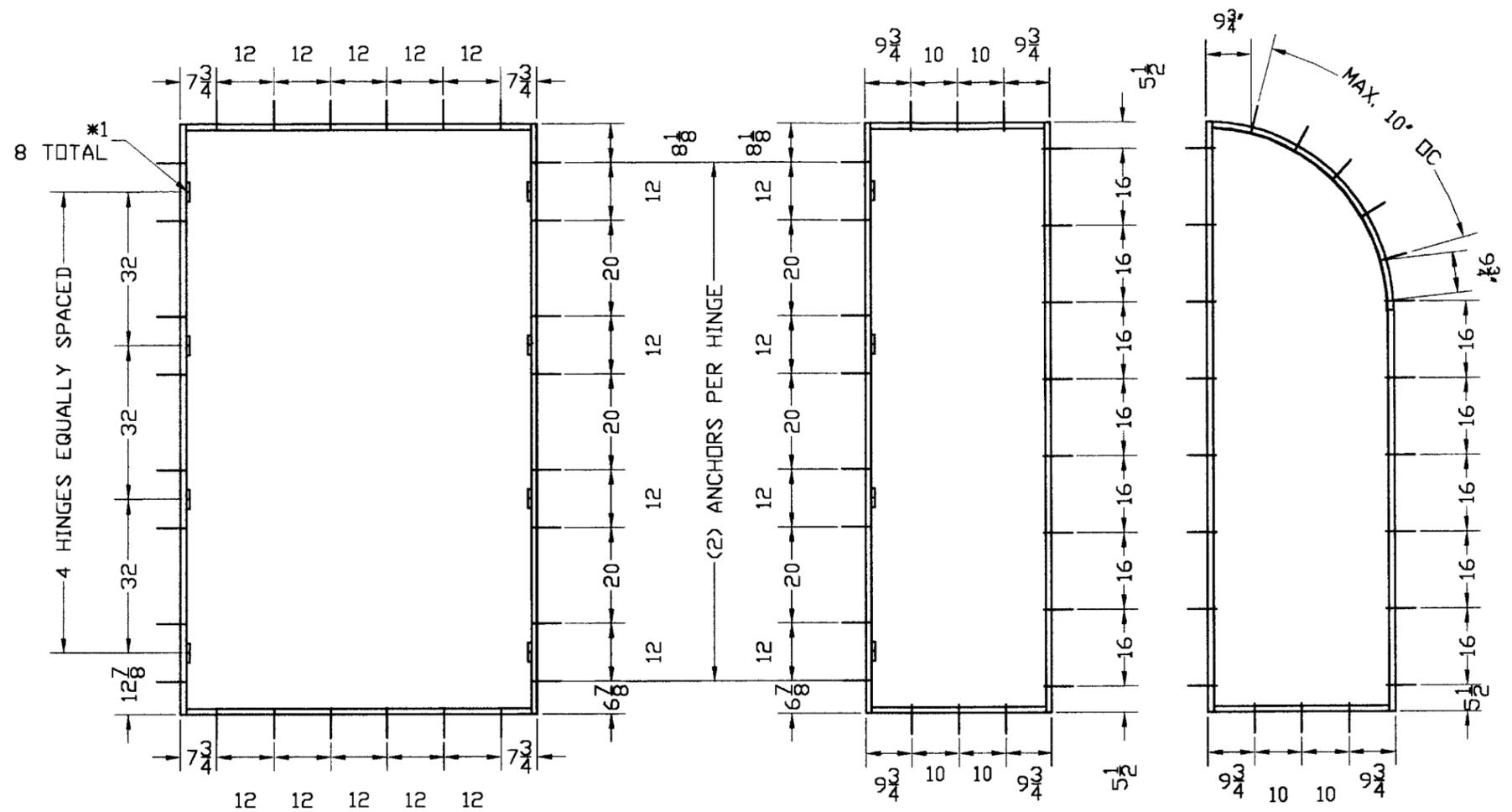
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Scale: NA  
Design by: PPMF

Revision:

Drawing Number  
02-522r1

Sheet  
2 of 7

Approved as complying with the  
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Date August 8, 2002  
NOA# 02-0510-04  
Miami Dade Product Control  
Division  
By [Signature]



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

Approved as complying with the  
Florida Building Code  
Date August 8, 2002  
NOAH 02-0510.04  
Miami Dade Product Control  
Division  
By [Signature]

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Tel.: (954) 585-0304

*[Signature]*  
JUN 28 2002

Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 6/24/02  
Scale: 1:1/4 & 3/8  
Design by: PPMF

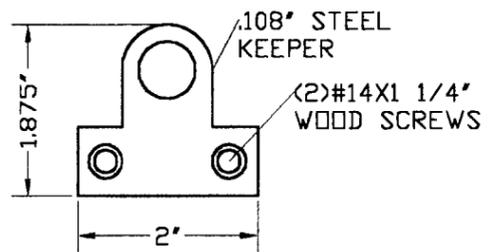
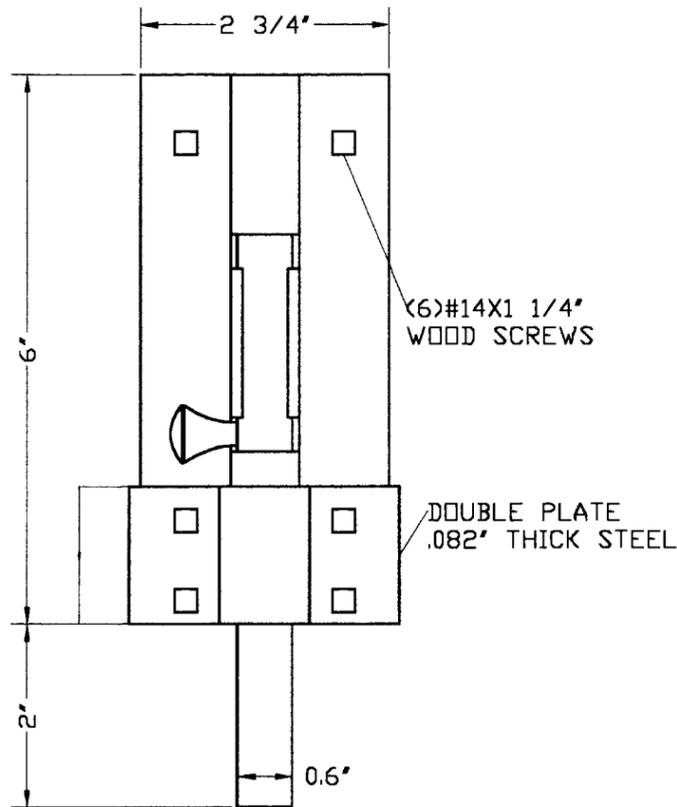
Revision:

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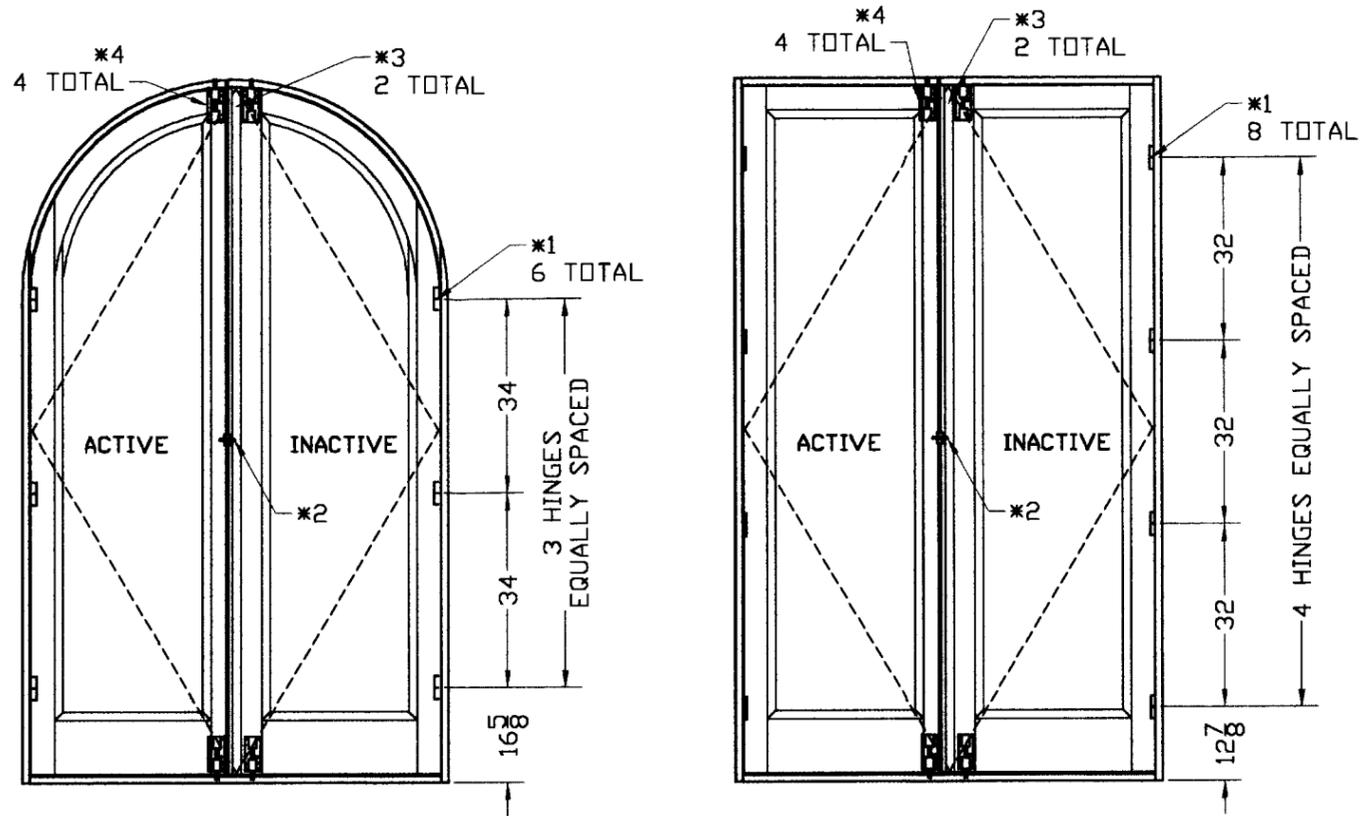
Sheet  
3 of 7



NATIONAL .60" DIAM. THROW BOLT



HARDWARE LAY-OUT

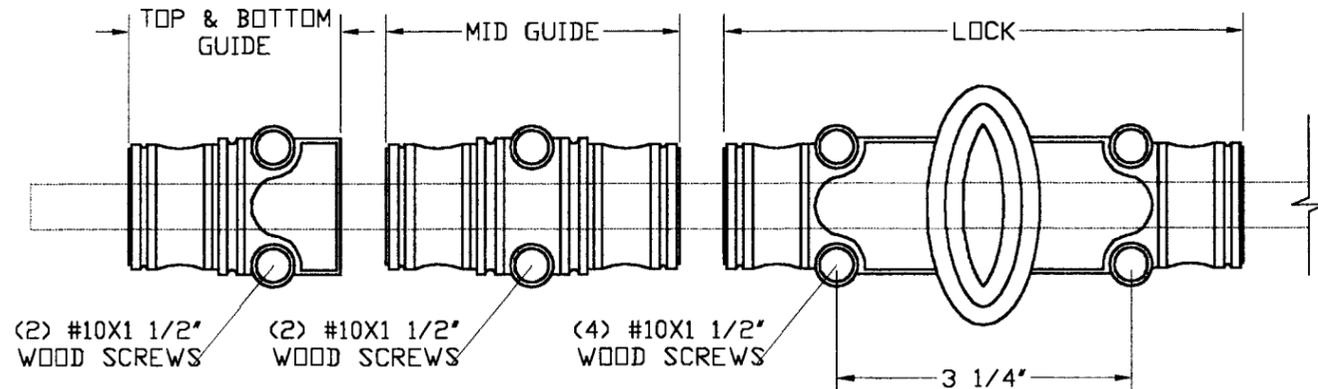


\* HARDWARE

- 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 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.

ARDIMPEX THREE POINT CREMONES

SAME DETAIL TOP AND BOTTOM



Approved as complying with the Florida Building Code  
 Date August 8, 2002  
 NOA# 62-0370.04  
 Miami Dade Product Control Division  
 By *Glenn Berman*

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JUN 28 2002

Engineer Seal  
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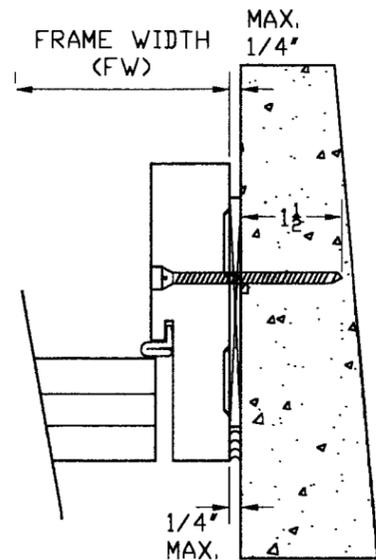
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Revision:

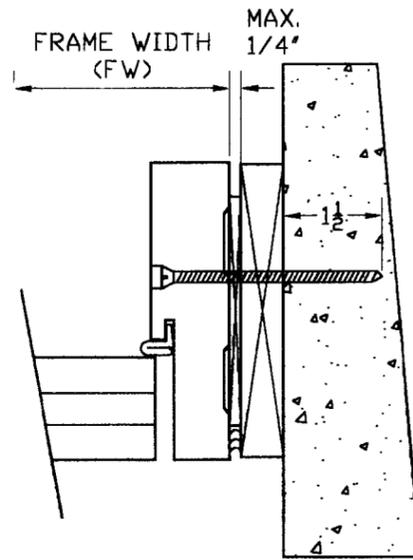
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 02-522r1

Sheet  
 5 of 7

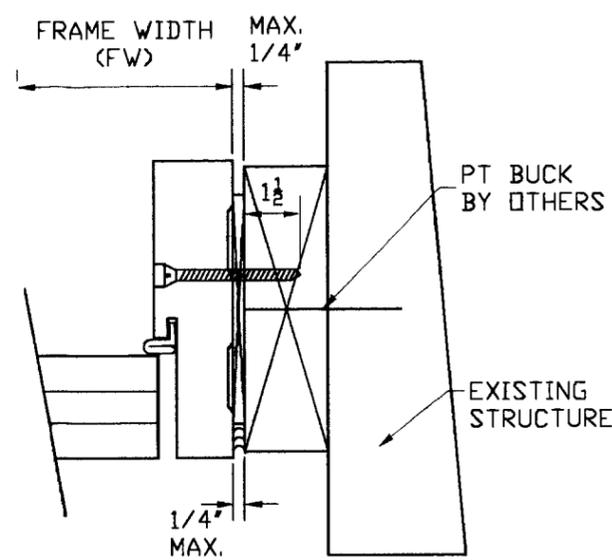
# FRAMING ANCHORAGE DETAILS



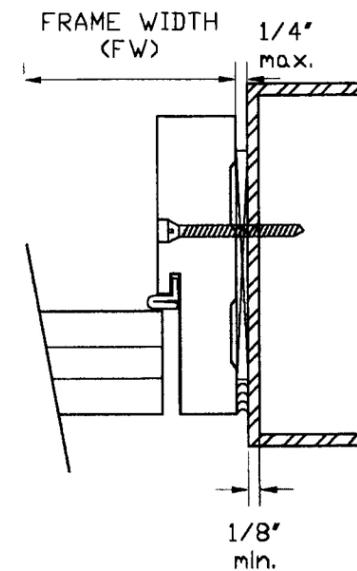
**OPTION 1**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 1/4" TAPCONS BY ELCO WITH 1 1/2" MIN.  
 EMBEDMENT INTO 3320 PSI CONCRETE  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



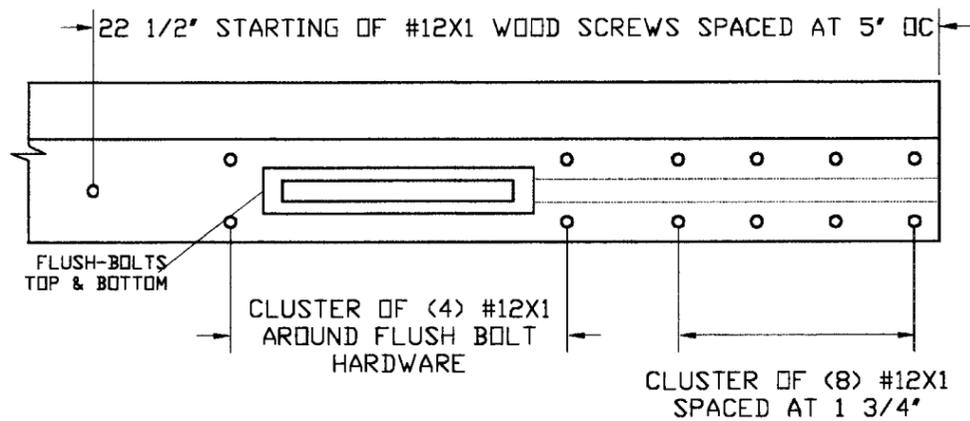
**OPTION 2**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 AND 1" X 1" PT CONT. WOOD SPACER  
 1/4" TAPCONS BY ELCO WITH 1 1/2" MIN.  
 EMBEDMENT INTO 3320 PSI CONCRETE  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



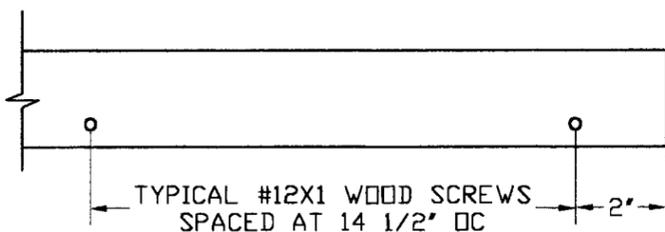
**OPTION 3**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 AND 2" X 2" PT CONT. WOOD BUCK BY OTHERS  
 #14 SS WOOD SCREWS WITH 1 1/2" MIN.  
 EMBEDMENT INTO WOOD (SG=55)  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



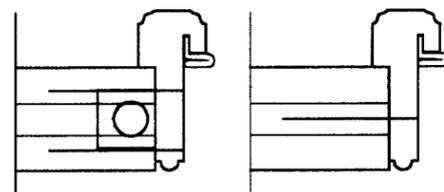
**OPTION 4**  
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM  
 1/4"-20 HWH DRILFLEX SELF DRILLING  
 SCREWS INTO MIN. 1/8" A36 STEEL  
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



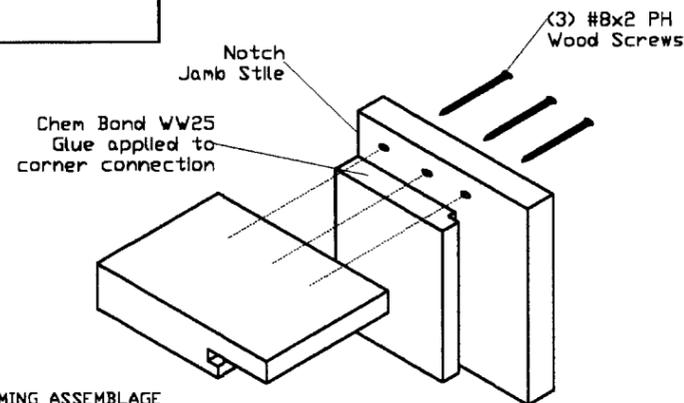
**ACTIVE ASTRAGAL INSTALLATION TO DOOR STILE**  
 SAME DETAIL TOP AND BOTTOM



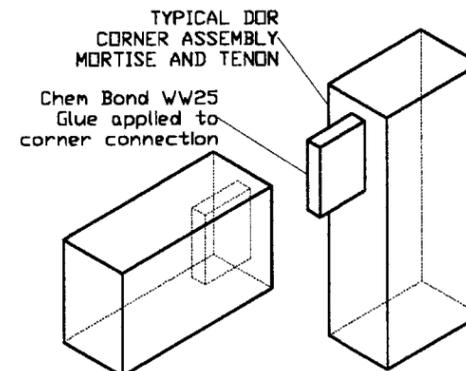
**INACTIVE ASTRAGAL INSTALLATION TO DOOR STILE**  
 SAME DETAIL TOP AND BOTTOM



**TYPICAL CORNER FRAMING CONSTRUCTION**



**TYPICAL DOOR CORNER CONSTRUCTION**



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

## FRAME AND DOOR ASSEMBLY

Approved as complying with the  
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 Date Aug 8, 2002  
 NOA# 02-0510-01  
 Miami Dade Product Control  
 Division  
 By Glennie Berman

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PRODUCT:  
**MAHOGANY SWING-OUT DOOR**

Engineering:  
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 6971 W. Sunrise Blvd. 104  
 Plantation, Fl. 33313  
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JUN 28 2002  
 Engineer Seal  
 Pedro De Figueiredo  
 PE 52609

Date: 6/24/02  
 Scale: NA  
 Design by: PPMF

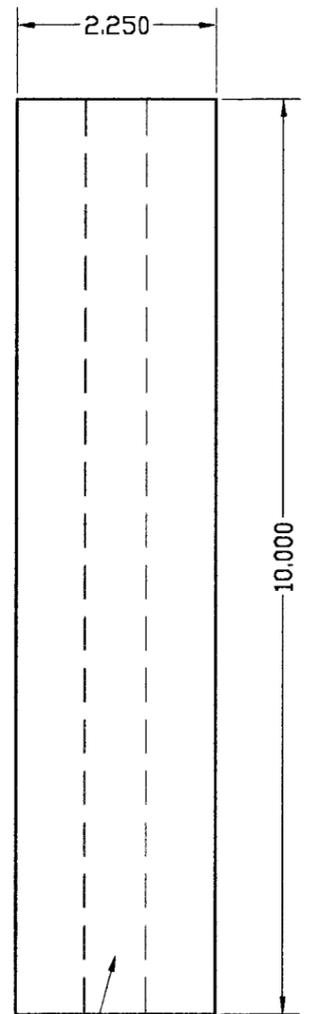
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Drawing Number  
 02-522r1

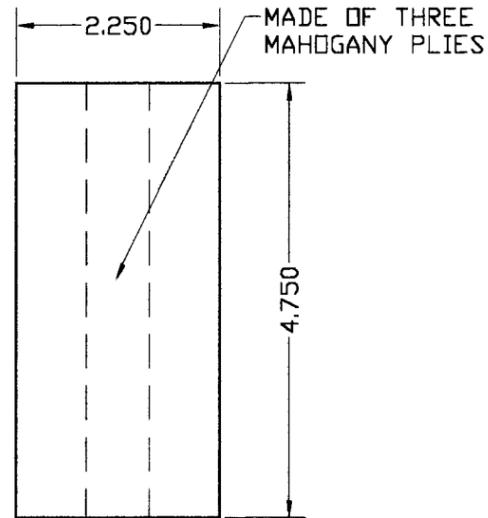
Sheet  
 6 of 7

# DOOR PARTS

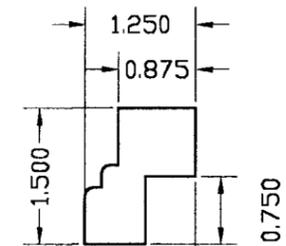
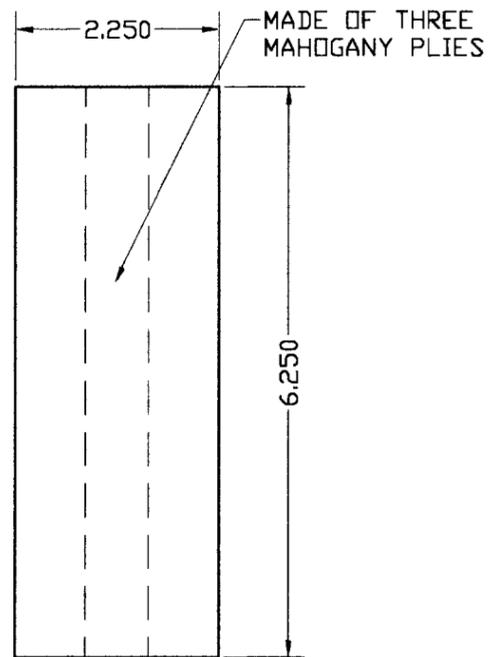
D1  
BOTTOM RAIL



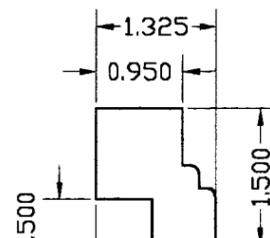
D2  
STILES AND TOP RAIL



D5  
MID RAIL



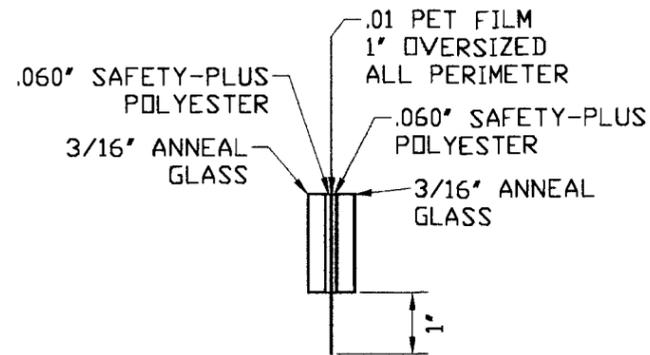
D3  
EXTERIOR  
MOULDING



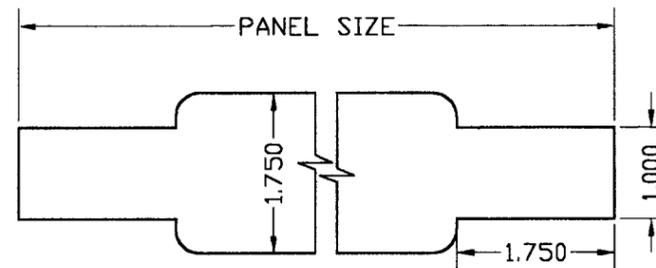
D4  
INTERIOR  
MOULDING

# DOOR CLADDING

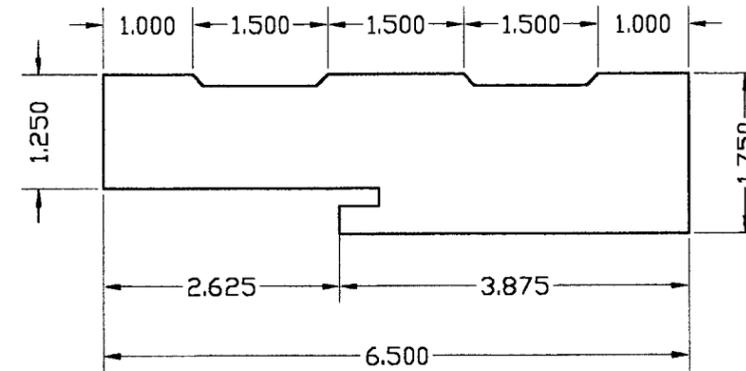
GL1- 1/2" GLASLAM SAFETY-PLUS  
LAMINATED CLEAR GLAZING  
MATERIAL NOA 00-0524, 06



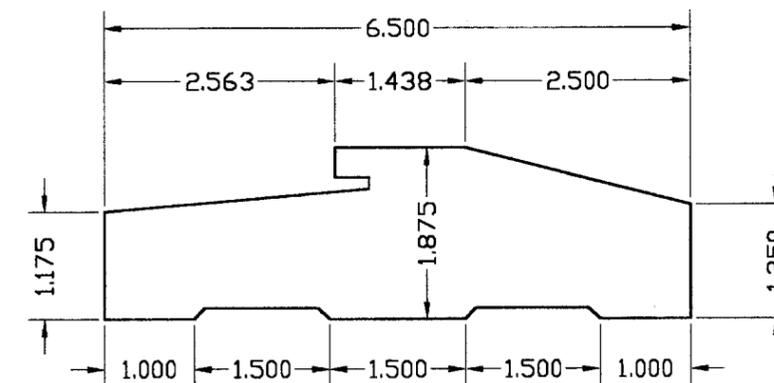
GL2- 1 3/4" SOLID  
MAHOGANY PANEL



# FRAME PARTS

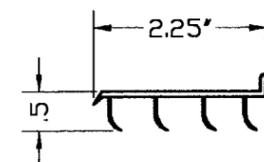


F1- JAMBS AND HEADER

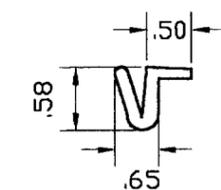


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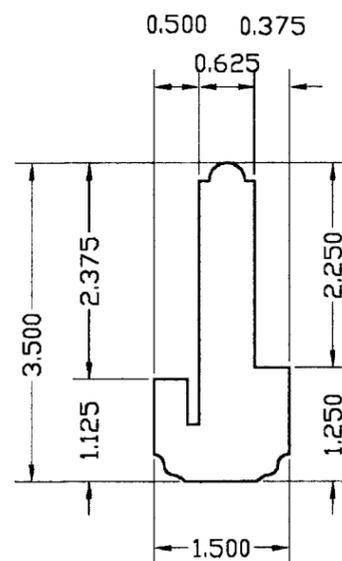
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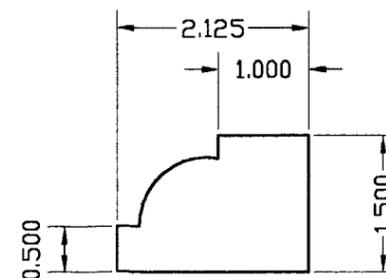
G1  
RIGID VINYL  
BOTTOM RAIL  
GASKET  
PEMKO VBODS



G2  
QDS 650 SCHLEGEL  
WEATHERSTRIP



D6  
INACTIVE LEAF  
ASTRAGAL



D7  
ACTIVE LEAF  
ASTRAGAL

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JUN 28 2002

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Scale: 1:1/2  
Design by: PPMF

Revision:

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7 of 7

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Division  
By: *Quentin Berna*