



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 Opaque Mahogany Wood Door

APPROVAL DOCUMENT: Drawing No. **07-211**, titled "Mahogany Swing-Out Opaque 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 07-0717.10
Expiration Date: August 08, 2012
Approval Date: September 20, 2007
Page 1



8/30/17

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 Opaque 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

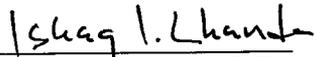
1. None

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 07-0717.10
Expiration Date: August 08, 2012
Approval Date: September 20, 2007

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

PRODUCT:
MAHOGANY SWING-OUT OPAQUE DOOR
 SOLID 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

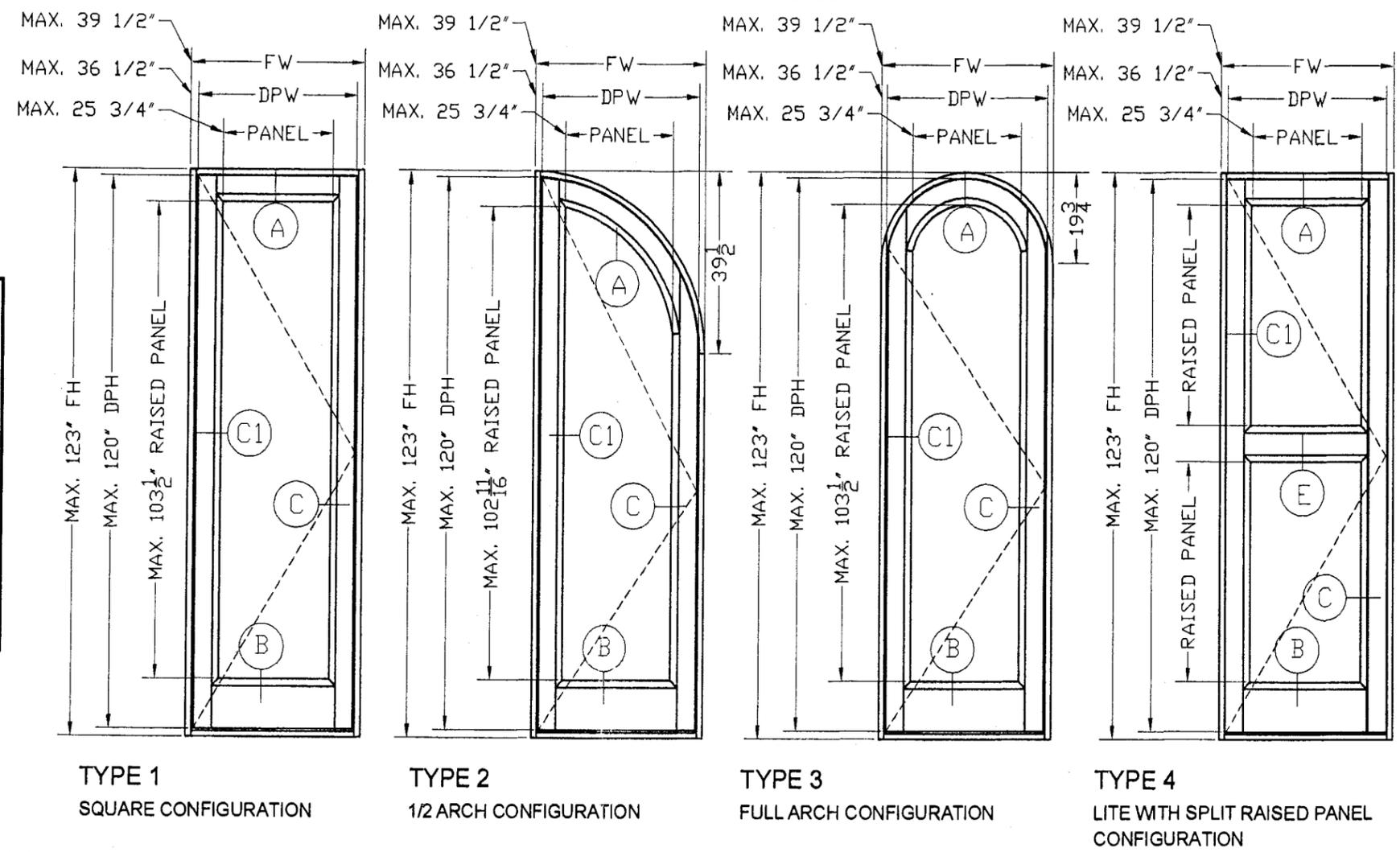
MIAMI-DADE BCCD:

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 07-0717.10
 Expiration Date Aug 06, 2012
 By Isabel L. Ulanda
 Miami Dade Product Control Division

Drawing Number
07-211

SHEET
 1 of 7

TYPICAL SINGLE ELEVATIONS



DESIGNED PRESSURE RATING
 Pd= ± 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
 DPH - DOOR PANEL HEIGHT
 DPW - DOOR PANEL WIDTH

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: ENCGO 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
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

DESIGNED PRESSURE RATING
Pd= ± 75 PSF

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

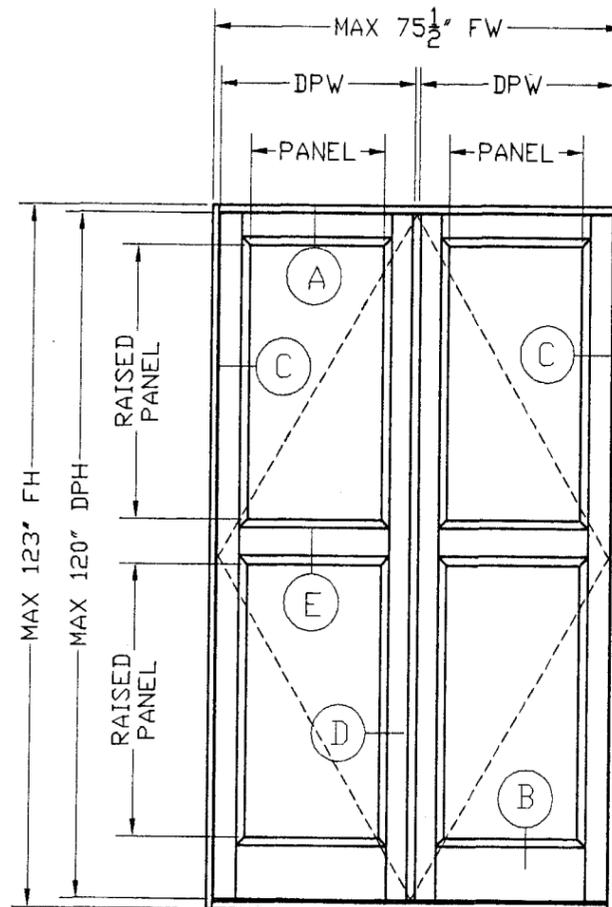
MAXIMUM CLADDING SIZES
1 1/2" MAHOGANY SOLID WOOD PANEL
RAISED PANEL: 25" X 103 3/4"

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

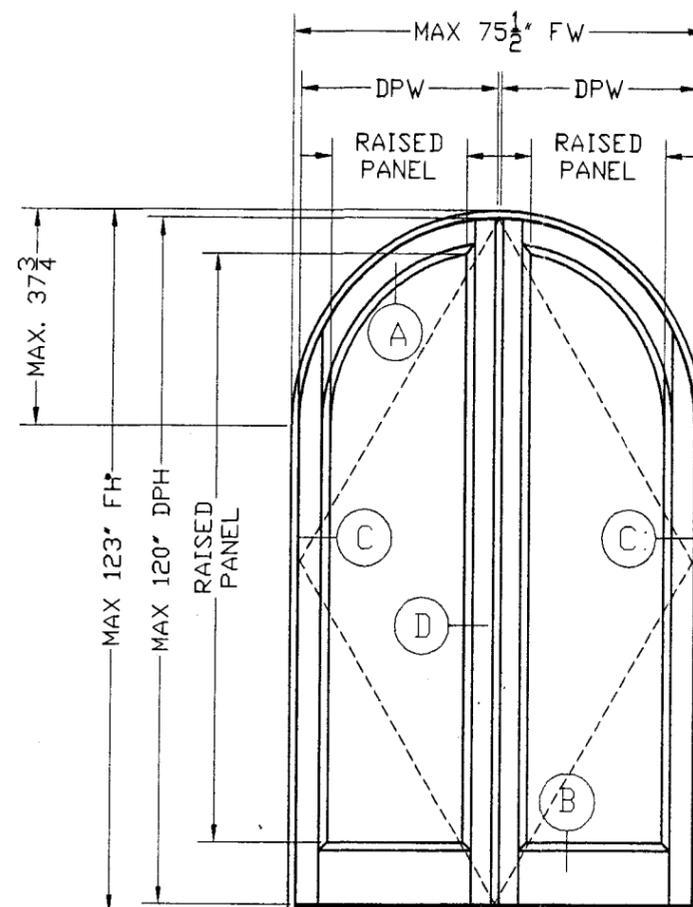
PRODUCT:
MAHOGANY SWING-OUT OPAQUE DOOR
SOLID WOOD PANELS

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

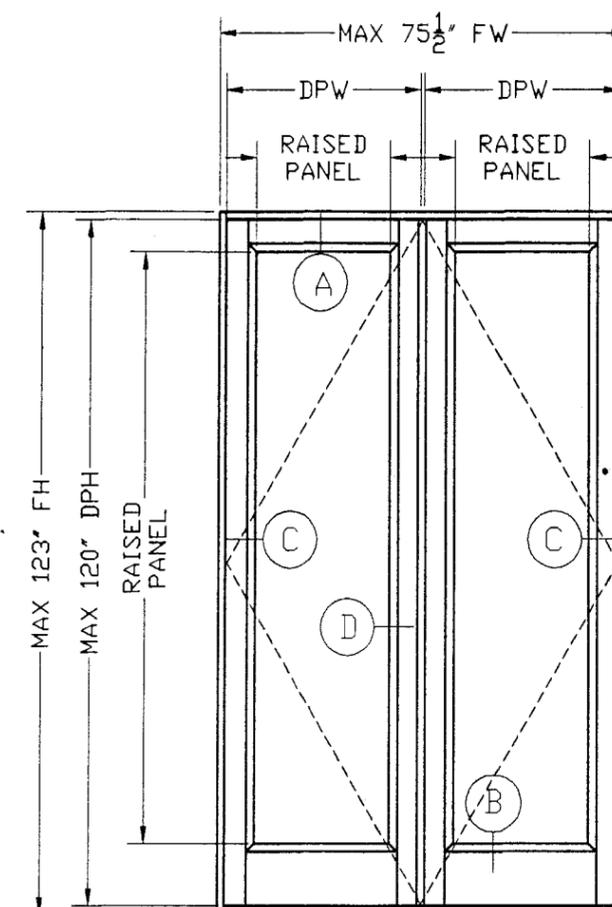
TYPICAL PAIR ELEVATIONS



TYPE 5
SPLIT PANEL CONFIGURATION



TYPE 6
ARCH CONFIGURATION



TYPE 7
SQUARE CONFIGURATION

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 07-0717.10
Expiration Date Aug 08, 2012

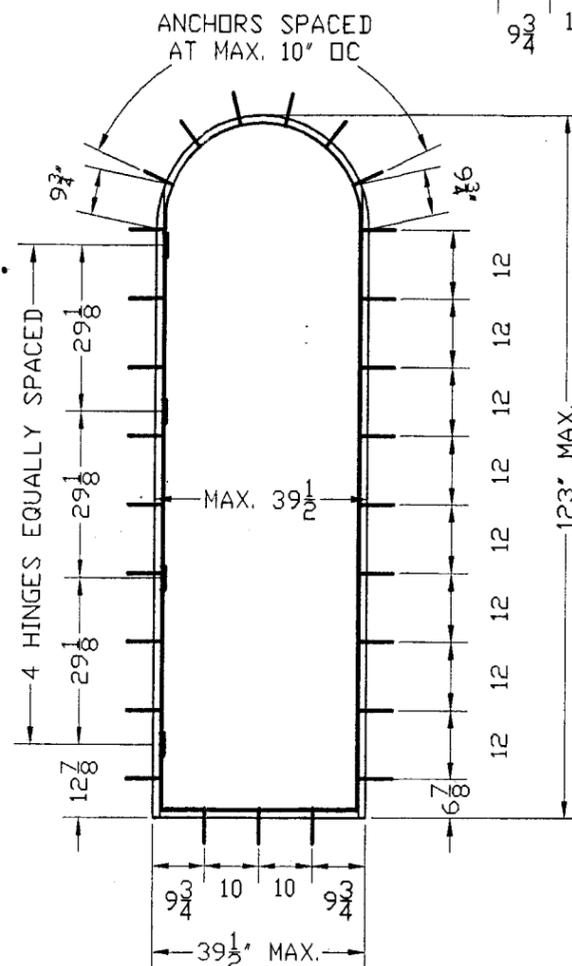
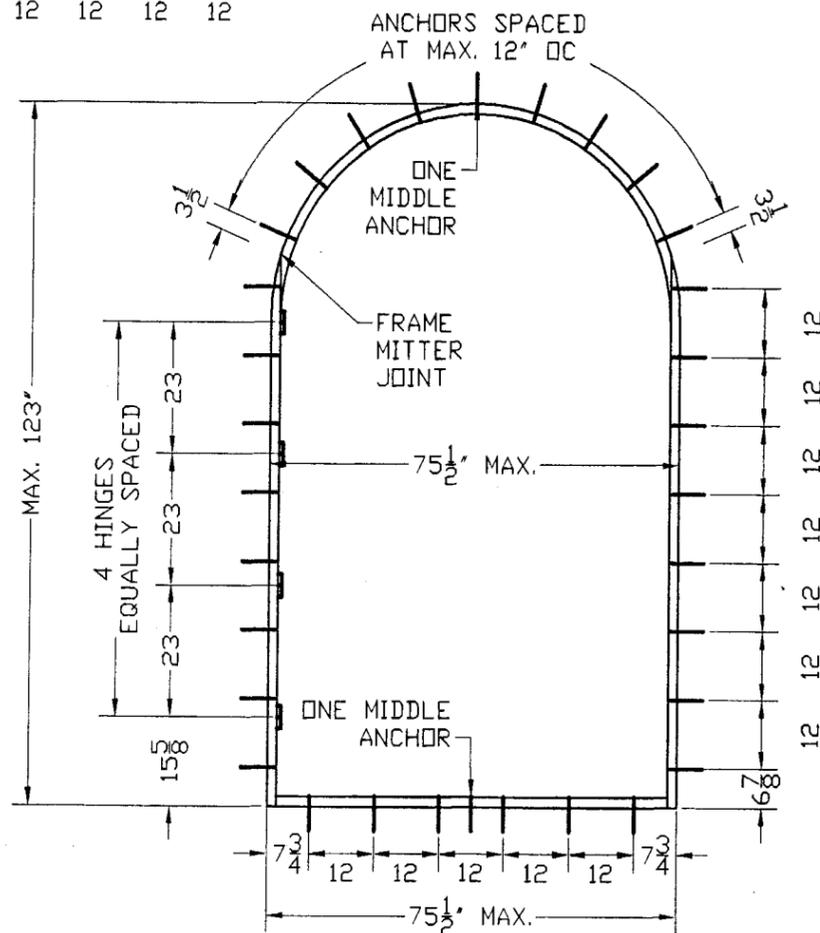
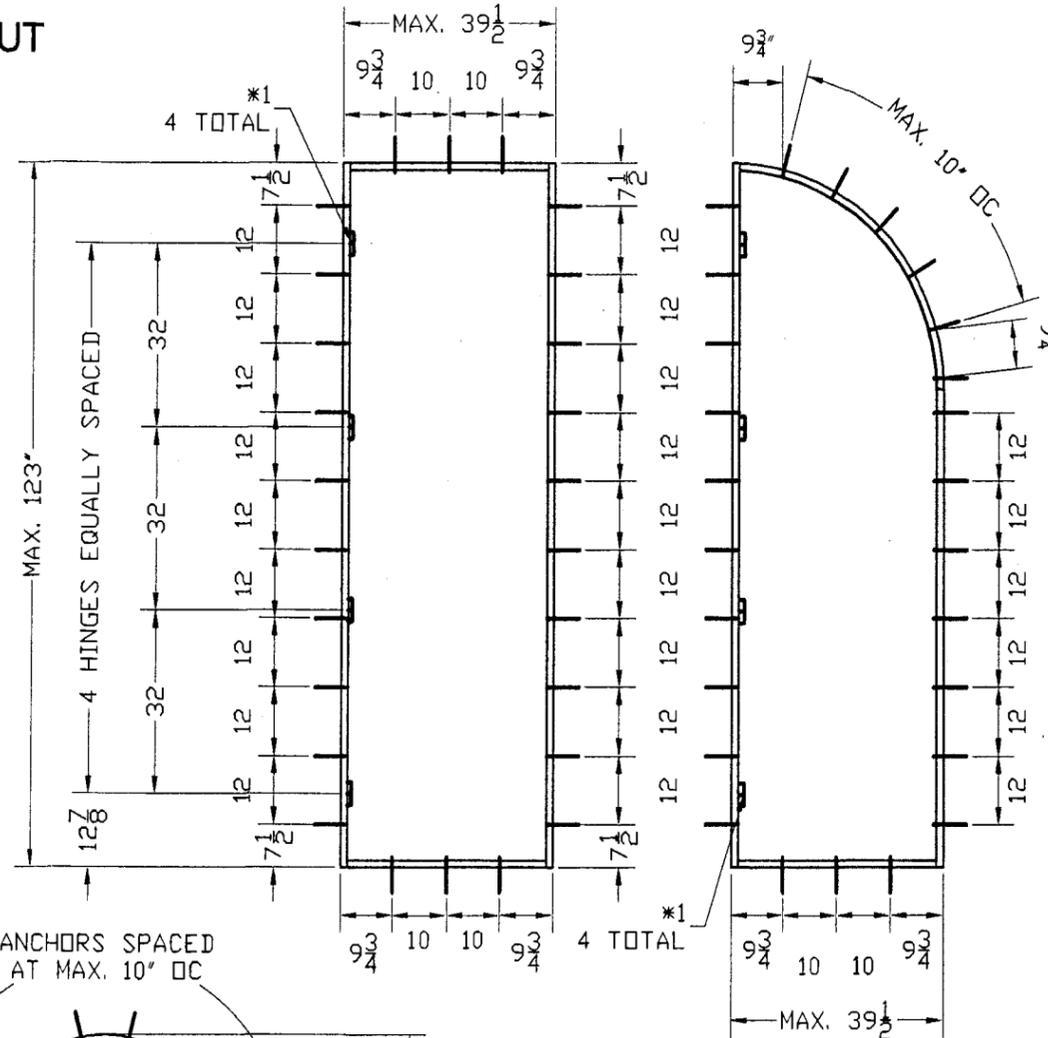
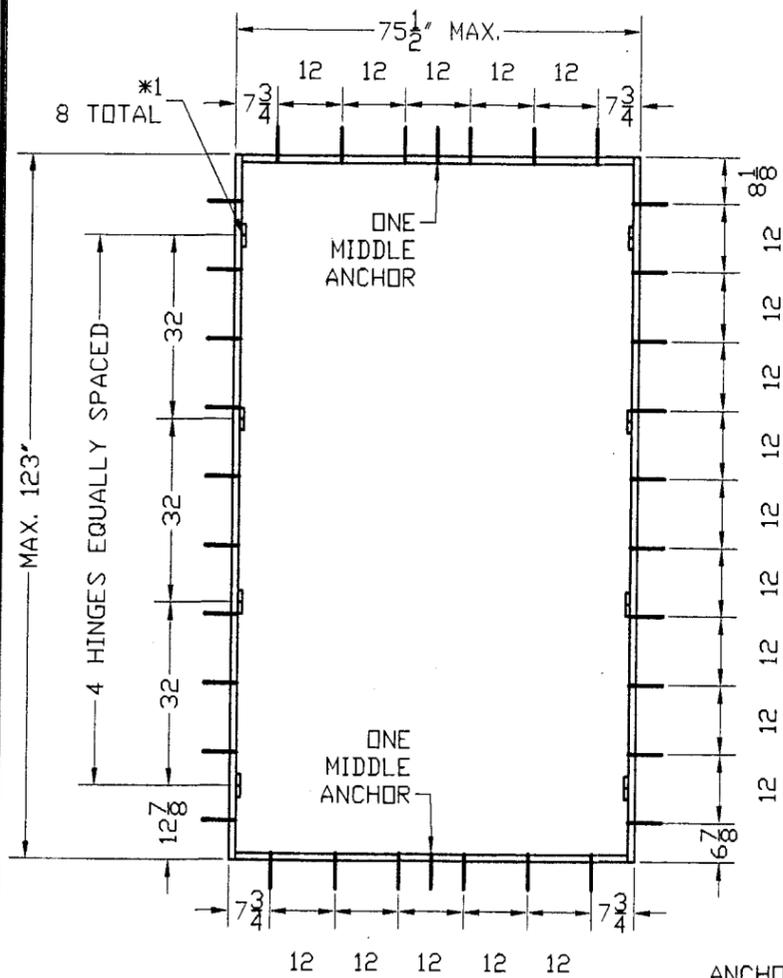
By Iskag L. Lhanda
Miami Dade Product Control
Division

Drawing Number
07-211

SHEET
2 of 7

TYPICAL ANCHORAGE LAY-OUT

(SEE SHEET 6 OF 7 FOR ANCHOR DETAILS)



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

MIAMI-DADE BCCD:

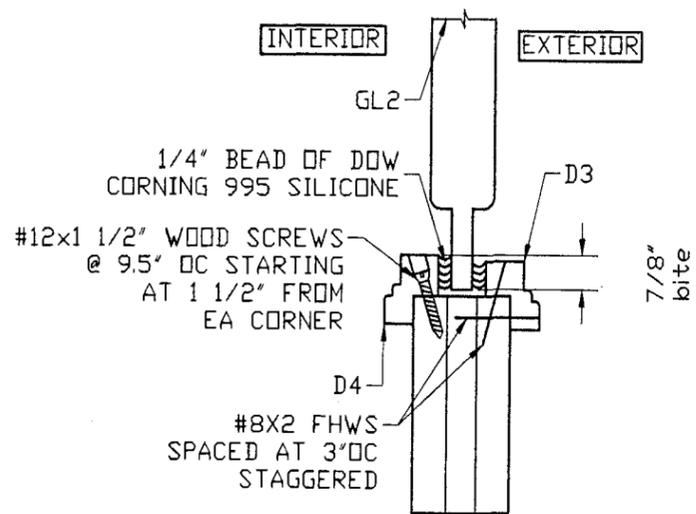
PRODUCT RENEWED
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 Acceptance No 07-0717.10
 Expiration Date AUG 08, 2012

By Cheryl Chande
 Miami Dade Product Control
 Division

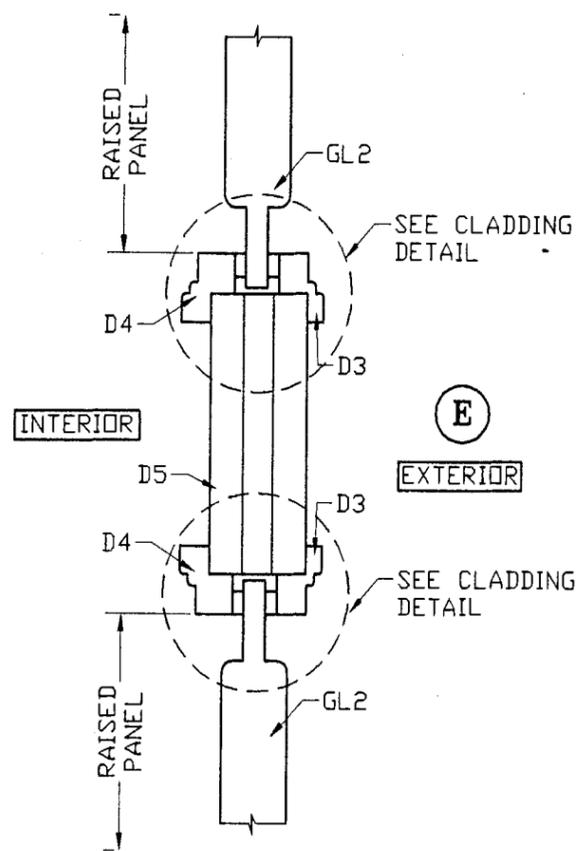
Drawing Number
 07-211

SHEET
 3 of 7

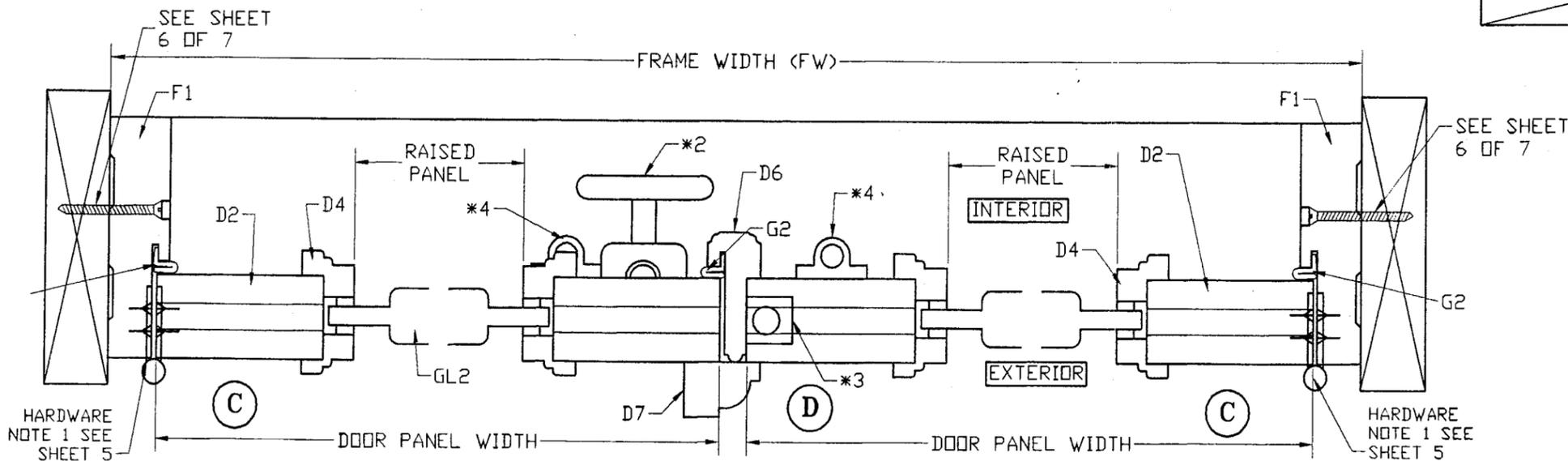
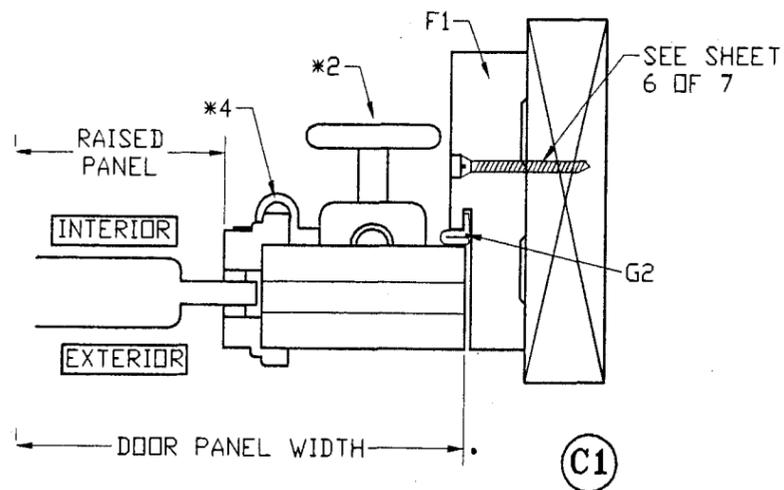
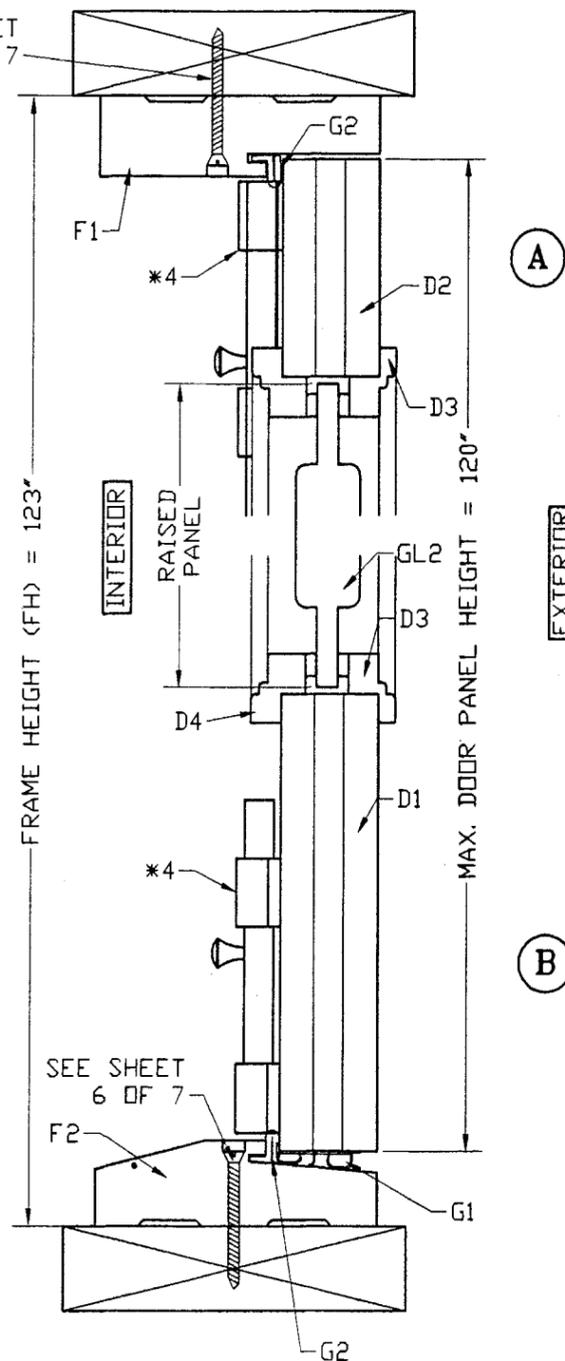
CLADDING DETAIL



TYPICAL SECTIONS



SEE SHEET 6 OF 7



MANUFACTURER:
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[Signature]
AUG 28 2007

Engineer Seal
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Scale: NA
Design by: PPMF

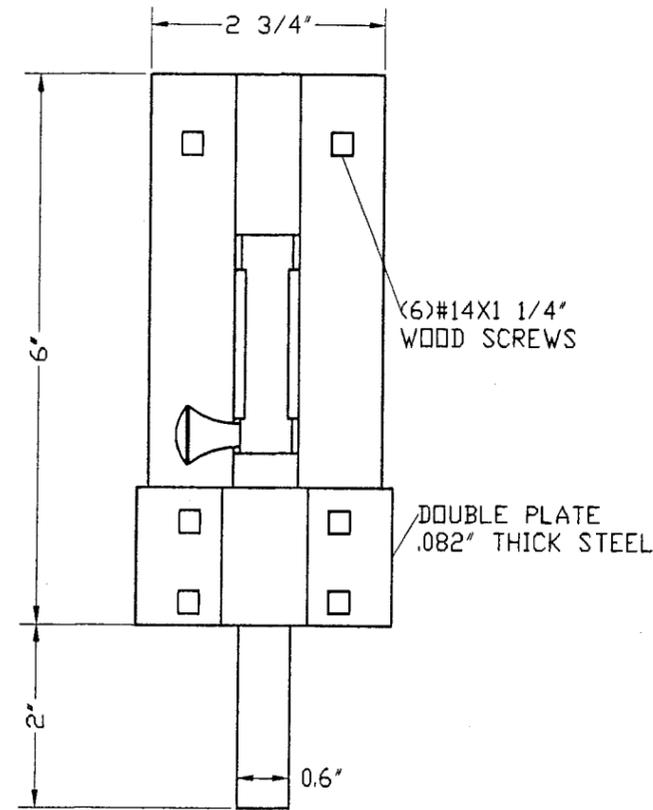
MIAMI-DADE BCCD:

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0717-10
Expiration Date Aug 29, 2012
By *[Signature]*
Miami Dade Product Control
Division

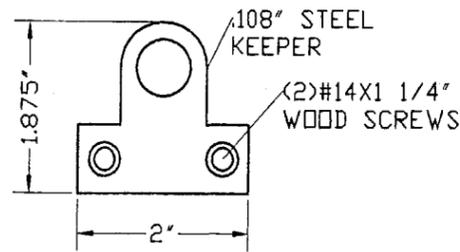
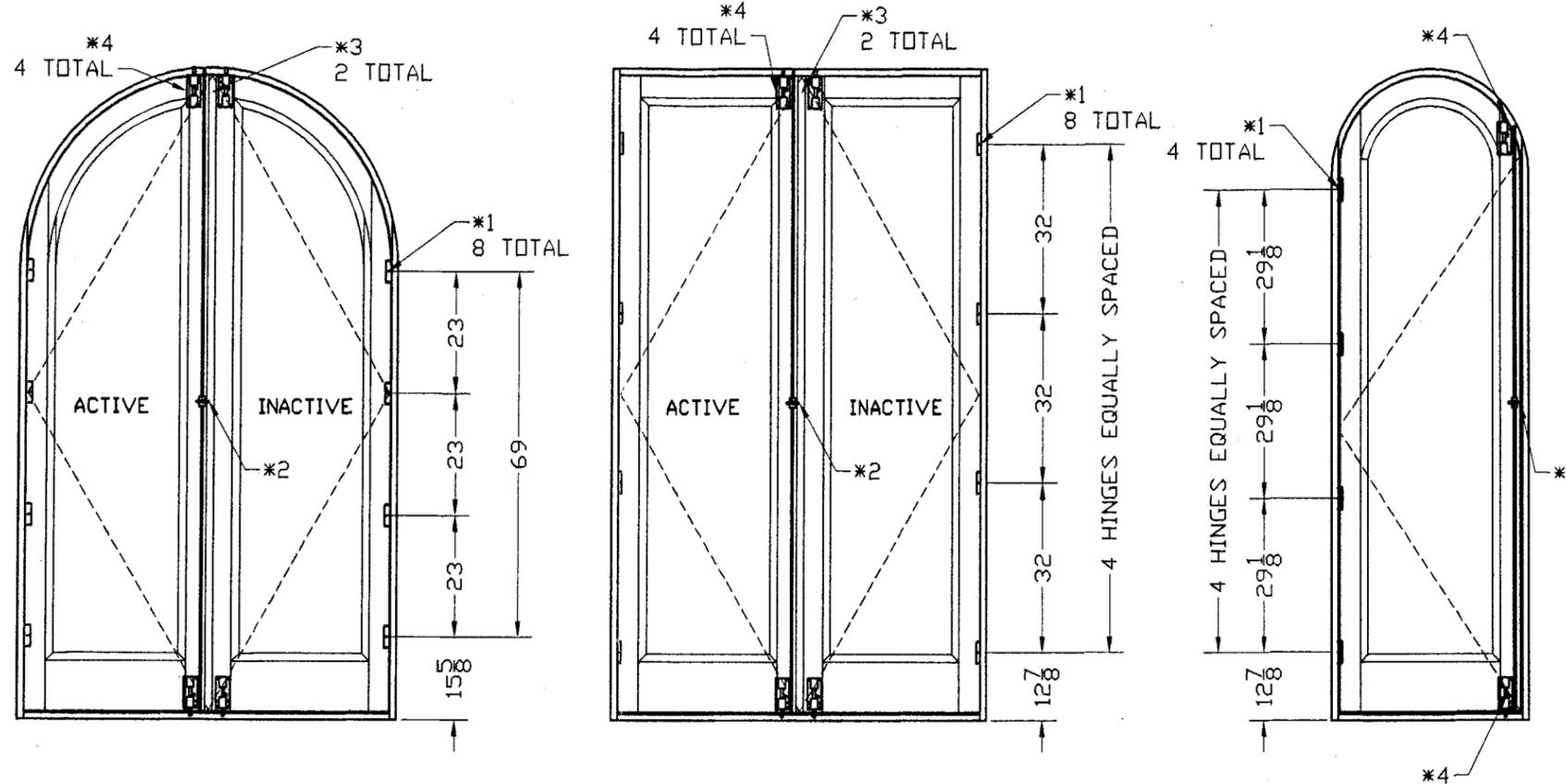
Drawing Number
07-211

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

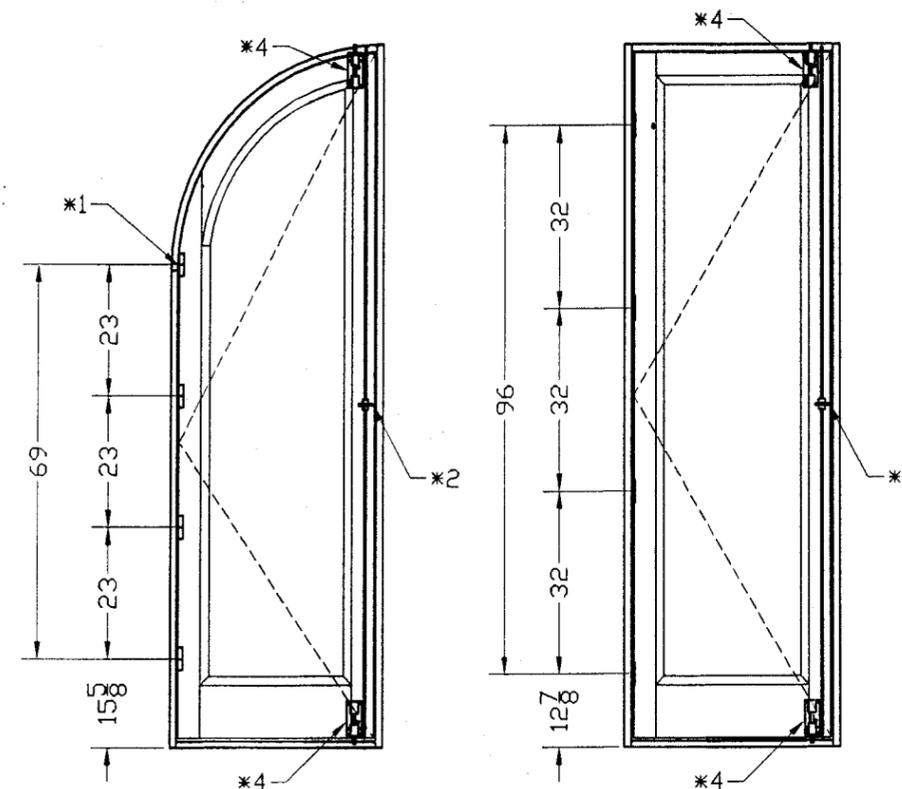
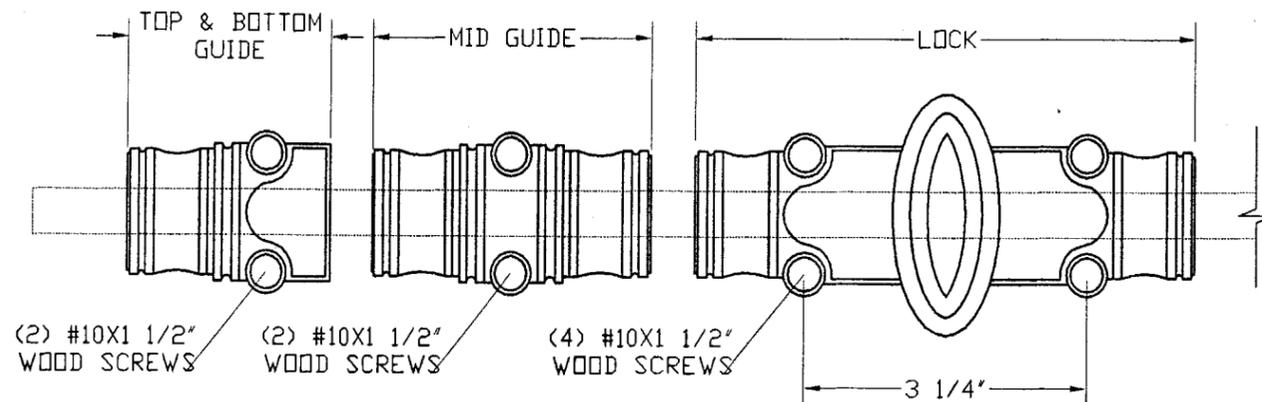


HARDWARE LAY-OUT



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

*** 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.



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[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 07-0717-10
Expiration Date 04/08/2012
By Isaac I. Grande
Miami Dade Product Control
Division

Drawing Number
07-211

SHEET
5 of 7

FRAMING ANCHORAGE DETAILS

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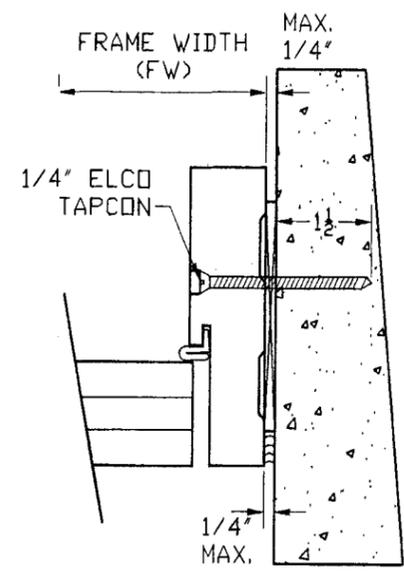
[Signature]
AUG 28 2007
 Engineer Seal
 Pedro De Figueiredo
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DRAFTING:
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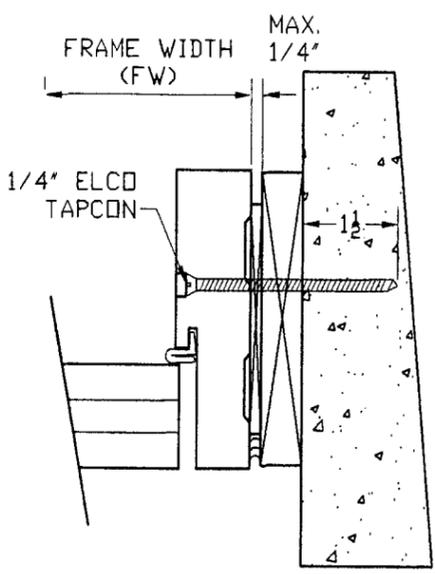
MIAMI-DADE BCCD:
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 Acceptance No. 07-0717-10
 Expiration Date AVG 08/2012
 By Shag I. Chandi
 Miami Dade Product Control
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Drawing Number
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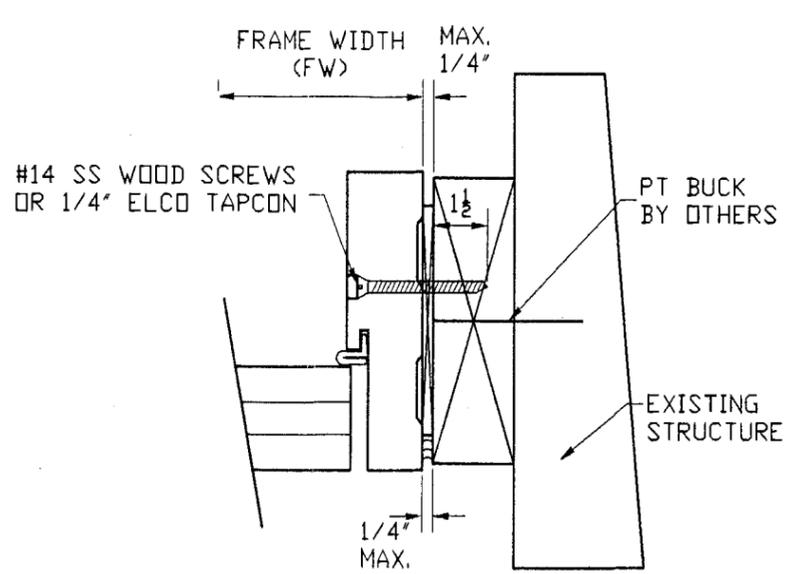
SHEET
6 of 7



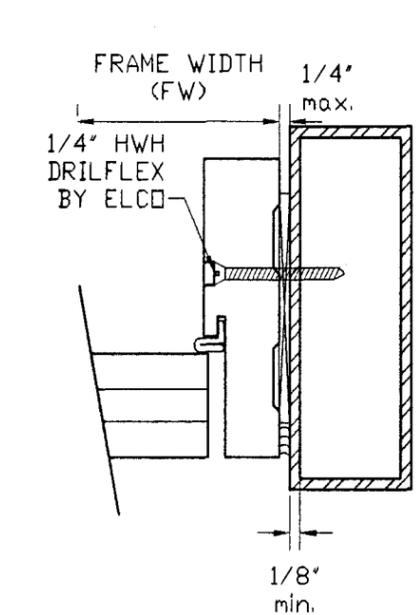
OPTION 1
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.
 EMBEDMENT INTO MASONRY
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



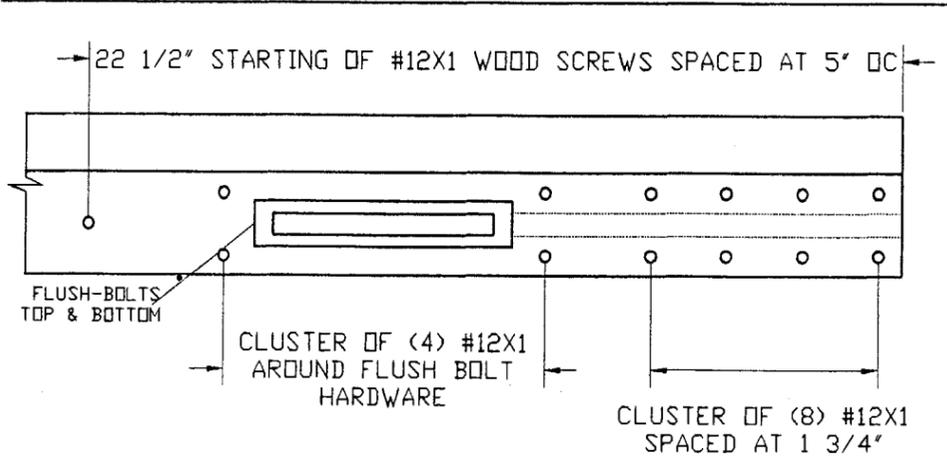
OPTION 2
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 AND 1" X PT CONT. WOOD SPACER
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.
 EMBEDMENT INTO MASONRY
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



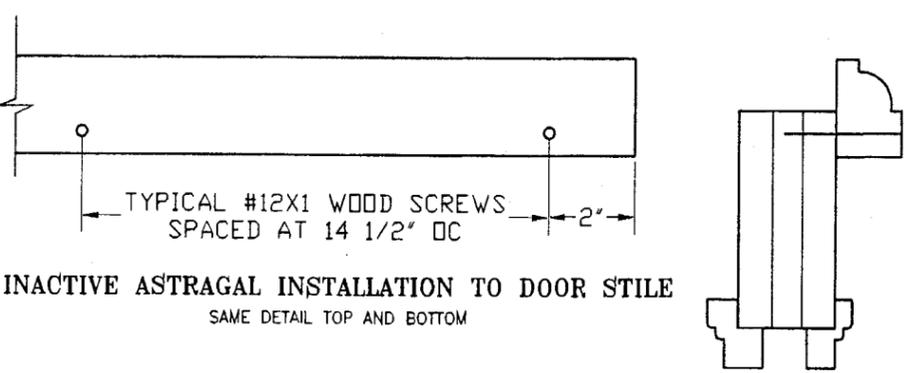
OPTION 3
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 AND 2" X PT CONT. WOOD BUCK BY OTHERS
 #14 SS WOOD SCREWS OR 1/4" TAPCONS WITH
 1 1/2" MIN. EMBEDMENT INTO WOOD (SG= .55)
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



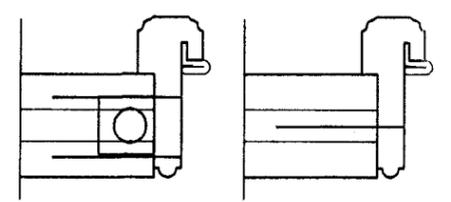
OPTION 4
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 1/4"-20 HWH DRILFLEX SELF DRILLING
 SCREWS BY ELCO INTO MIN. 1/8" A36 STEEL
 (SEE SHEET 3 OF 7 FOR ANCHORS LAY-OUT)



ACTIVE ASTRAGAL INSTALLATION TO DOOR STILE
 SAME DETAIL TOP AND BOTTOM

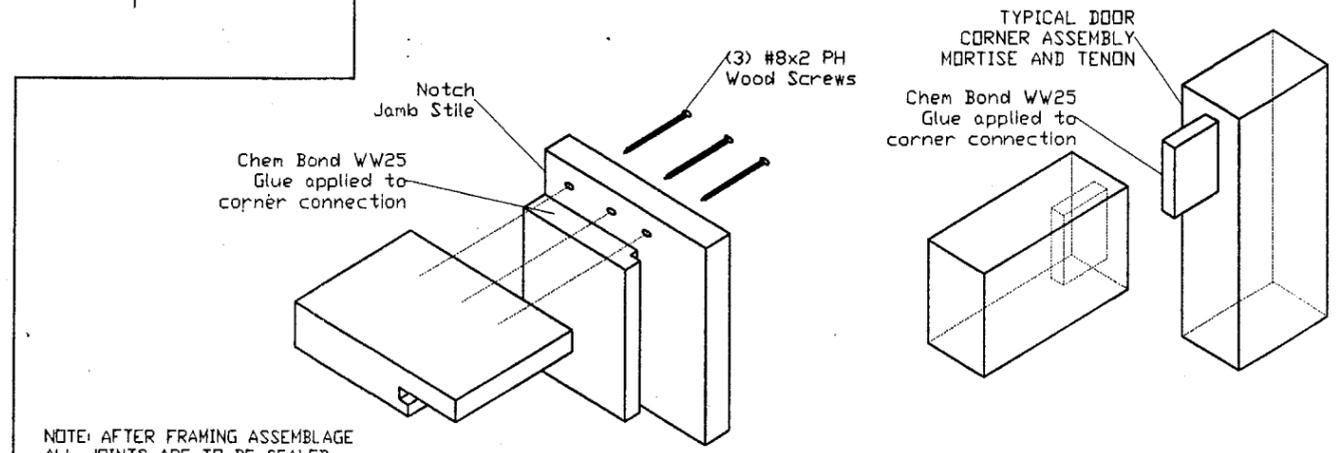


INACTIVE ASTRAGAL INSTALLATION TO DOOR STILE
 SAME DETAIL TOP AND BOTTOM



TYPICAL CORNER FRAMING CONSTRUCTION

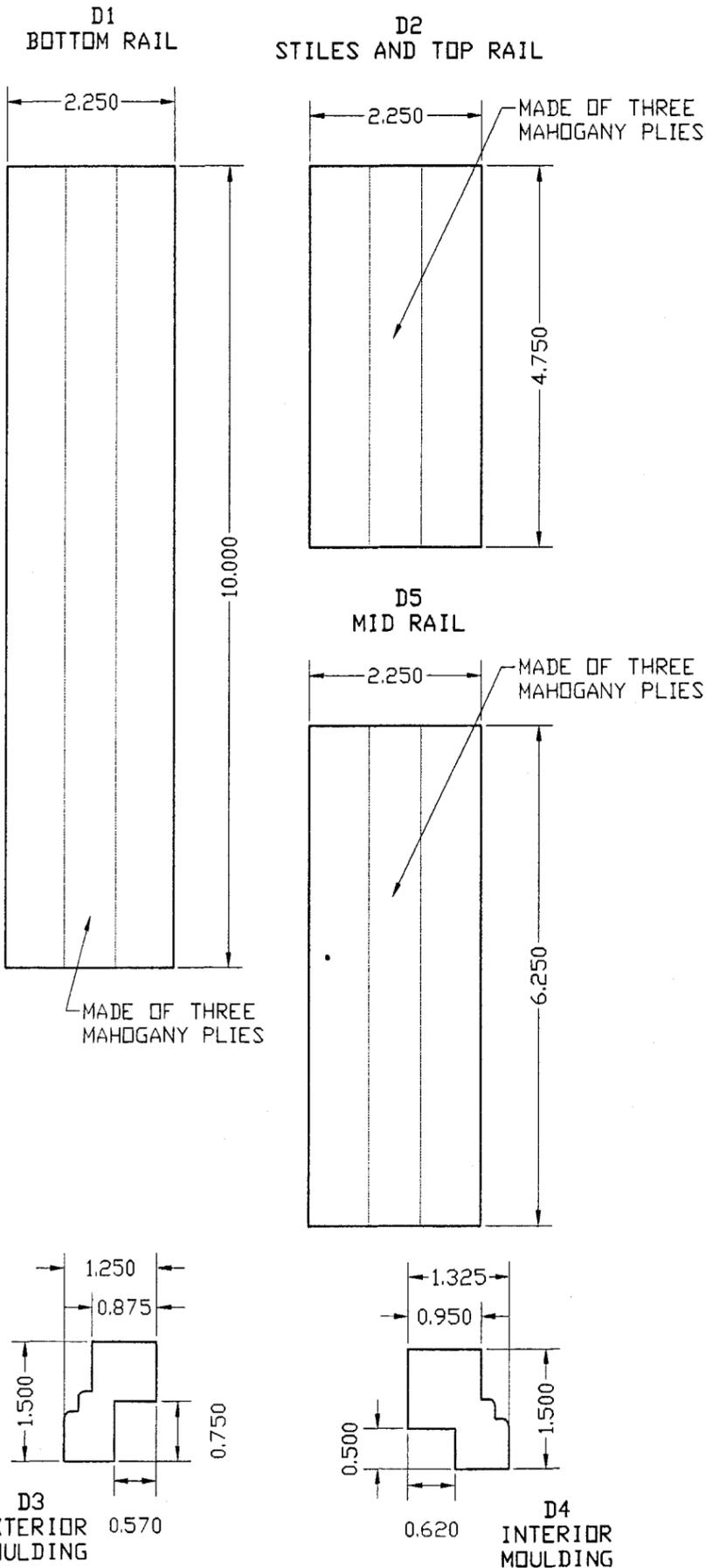
TYPICAL DOOR CORNER CONSTRUCTION



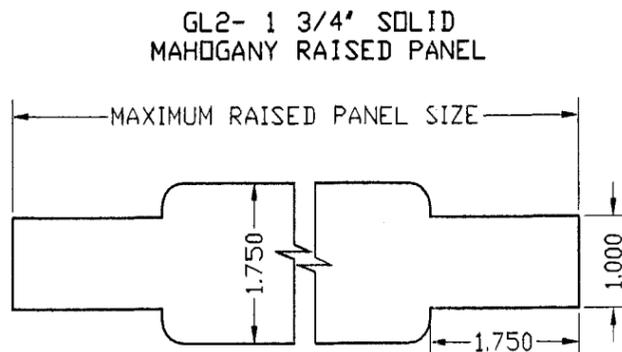
NOTE: AFTER FRAMING ASSEMBLAGE
 ALL JOINTS ARE TO BE SEALED
 WITH DOW 995 SILICONE.

FRAME AND DOOR ASSEMBLY

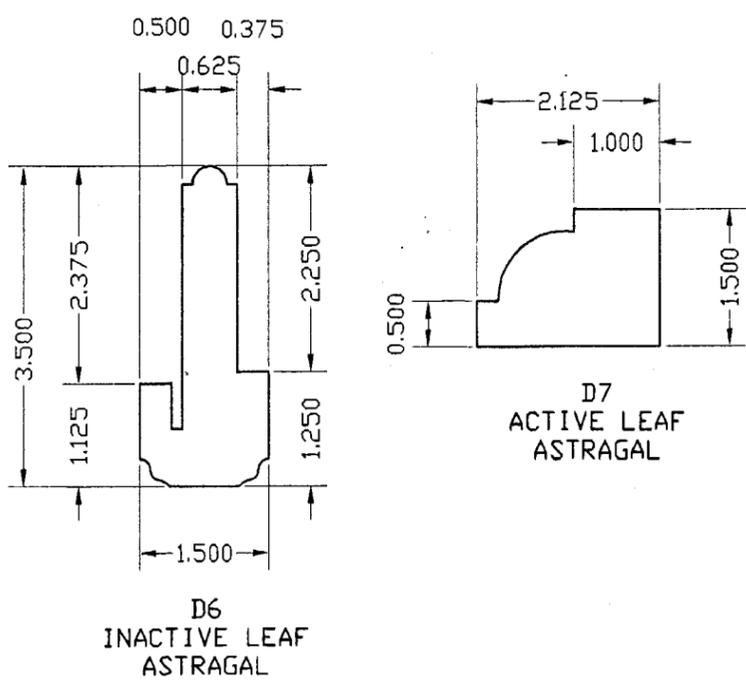
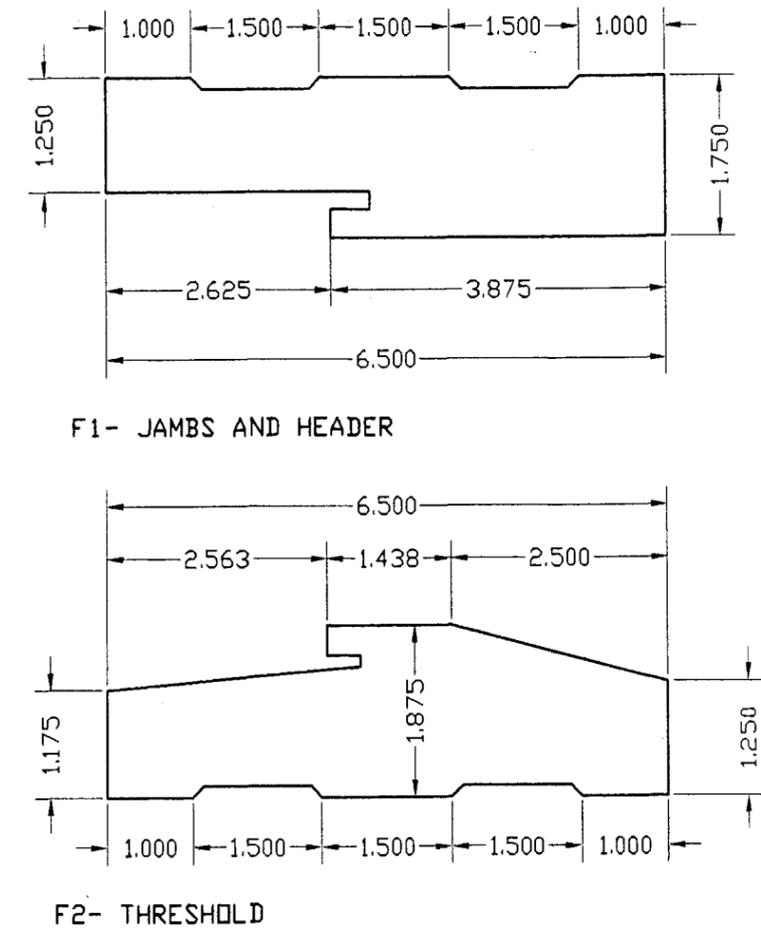
DOOR PARTS



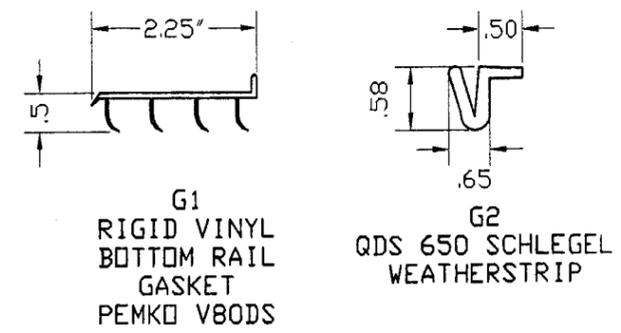
DOOR CLADDING



FRAME PARTS



GASKETS



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

PRODUCT:
MAHOGANY SWING-OUT OPAQUE DOOR
 SOLID 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. 07-0717-10
 Expiration Date: AVG 08, 2012
 By: Chas. L. Lunde
 Miami Dade Product Control
 Division

Drawing Number
 07-211

SHEET
 7 of 7