



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Roatan Mahogany Millwork, Inc.
4004 C Aura 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: Series "Roatan" Mahogany Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 07-212, titled "Series Mahogany Fixed Window", sheets 1 through 4 of 4, dated 07/07/2007 with latest revision dated 10/31/2007, prepared by EngCo, Inc., dated 11/01/2007, 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 Missile 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.

REVISION 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 NOA # 02-0510.05 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
11/2/07

NOA No. 07-0717.09
Expiration Date: August 08, 2012
Approval Date: November 22, 2007
Page 1

Roatan Mahogany Millwork, Inc.

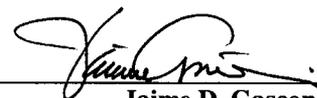
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **07-212**, titled "Series Mahogany Fixed Window", sheets 1 through 4 of 4, dated 07/07/2007 with latest revision dated 10/31/2007, prepared by EngCo, Inc., dated 11/01/2007, signed and sealed by Pedro De Figueiredo, P.E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1006**, dated 10/26/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)
2. 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
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1184**, dated 10/29/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1095**, dated 11/02/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1077**, dated 09/09/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0717.09
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continuous)

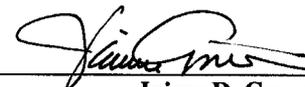
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1190**, dated 09/25/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)

6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
3) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1079**, dated 09/26/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)

7. 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
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1185**, dated 04/18/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)

8. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1007**, dated 09/06/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)

9. Test reports on: 1) Air Infiltration Test,
2) Uniform Static Air Pressure Test,
3) Water Resistance Test
along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1186**, dated 04/18/2001, signed and sealed by Hector M. Medina, P.E.
(Submitted under NOA# 02-0510.05)



Jaime D. Gascon, P.E.

Chief, Product Control Division

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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by EngCo, Inc., dated 07/12/2007, signed and sealed by Pedro De Figueiredo, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

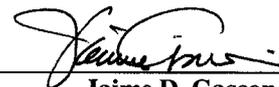
1. Notice of Acceptance No. **03-0225.10** issued to Glasslam NGI Inc. for their “**Safety-Plus II - Laminated Glass**” dated 08/07/03, expiring on 08/07/08.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and indecency, signed and sealed by EngCo, Inc., dated 08/28/2007, signed and sealed by Pedro De Figueiredo, P.E.
2. Inspection report on: 1) Sealant by Dow Corning 995 along with marked-up drawings and installation diagram, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1190, HETI-01-1077, HETI-01-1095, HETI-01-1184, HETI-01-1079, HETI-01-1185, HETI-01-1007, HETI-01-1186, and HETI-01-1006**, dated 06/28/2002, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA# 02-0510.05)

G. OTHER

1. Notice of Acceptance No. **02-0510.05**, issued to Roatan Mahogany Millwork, Inc. for their Series “Mahogany Fixed Window”, approved on 08/08/2002 and expiring on 08/08/2007



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Chief, Product Control Division
NOA No. 07-0717.09
Expiration Date: August 08, 2012
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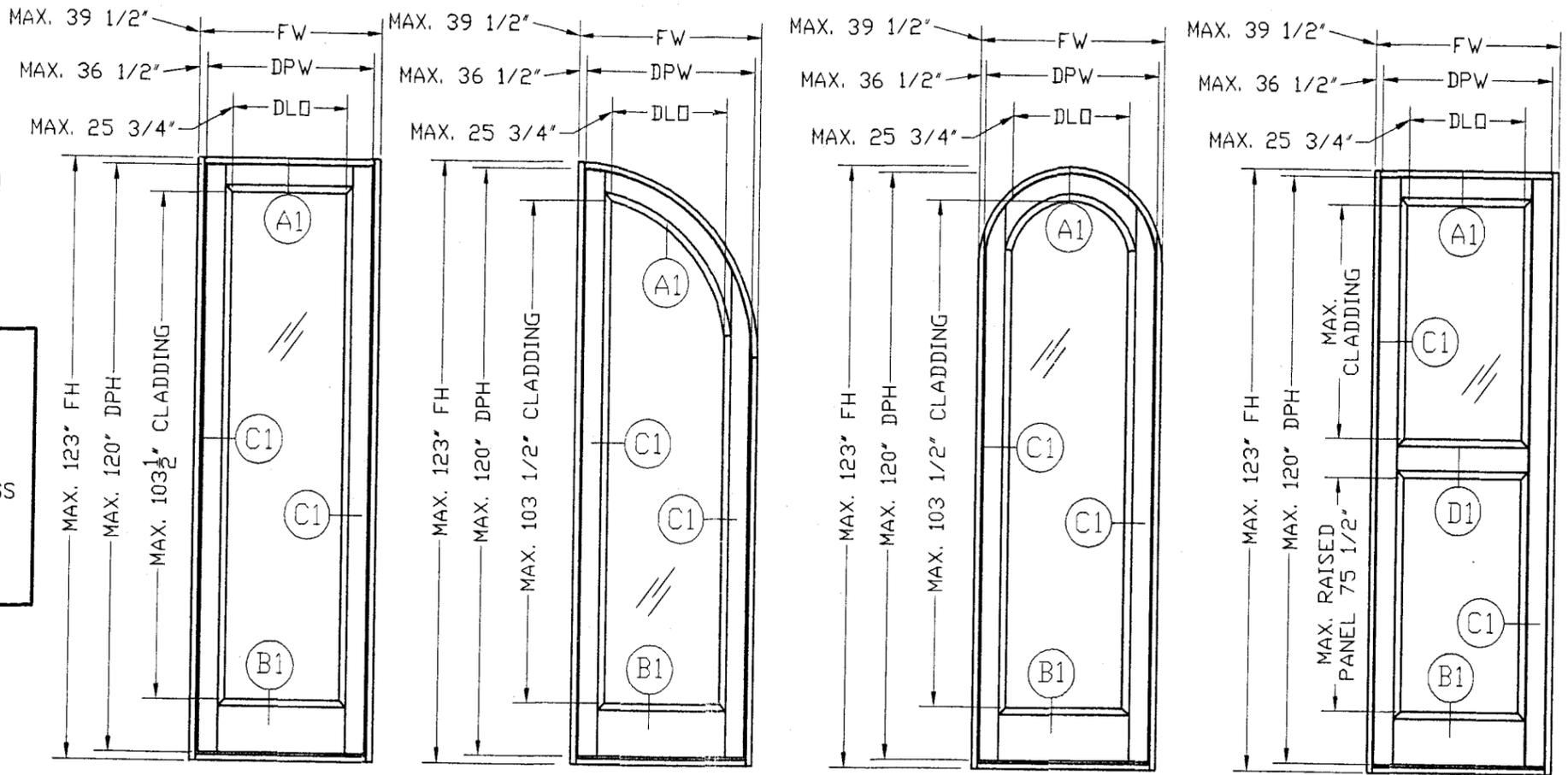
TYPICAL SINGLE ELEVATIONS

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"

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



TYPE 1 SQUARE CONFIGURATION
TYPE 2 1/2 ARCH CONFIGURATION
TYPE 3 FULL ARCH CONFIGURATION
TYPE 4 LITE WITH PANEL CONFIGURATION

GENERAL NOTES:

- 1- DEFINITION: THIS PRODUCT IS A FIXED MAHOGANY WINDOW, 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
ROATAN FIXED WINDOW
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
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'	PEMCO 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 FIXED WINDOW

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

NOV 01 2007
Engineer Seal
Pedro De Figueredo
PE 52609

DRAFTING:
PK DRAFTING & MORE

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

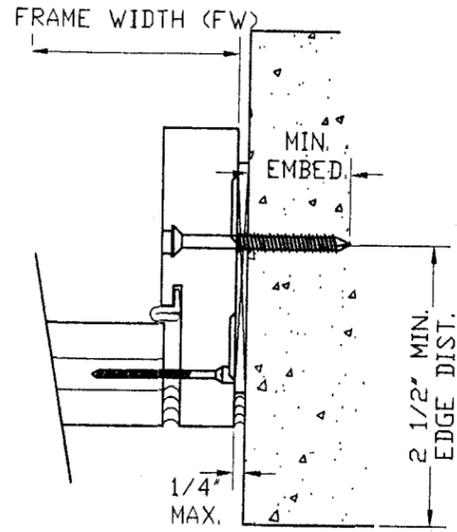
MIAMI-DADE BCCO:

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 07-0717-09
Expiration Date 08/08/2012
By *[Signature]*
Miami Dade Product Control Division

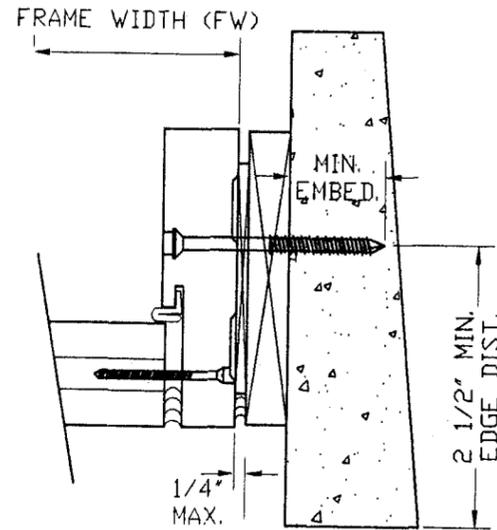
Drawing Number
07-212

SHEET
1 of 4

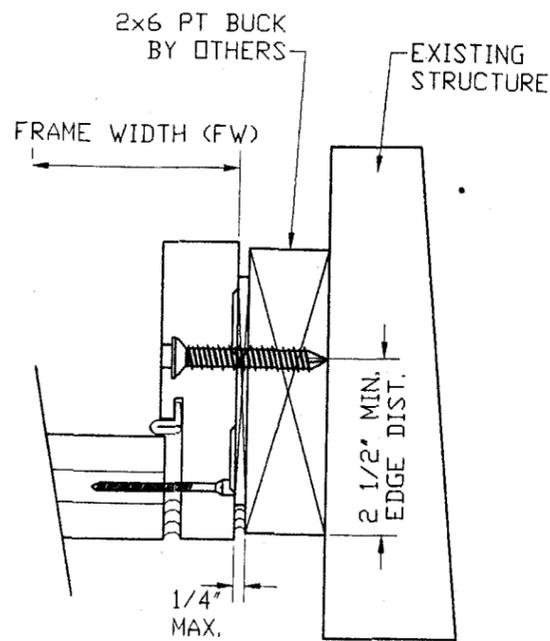
TYPICAL ANCHORAGE LAY-OUT



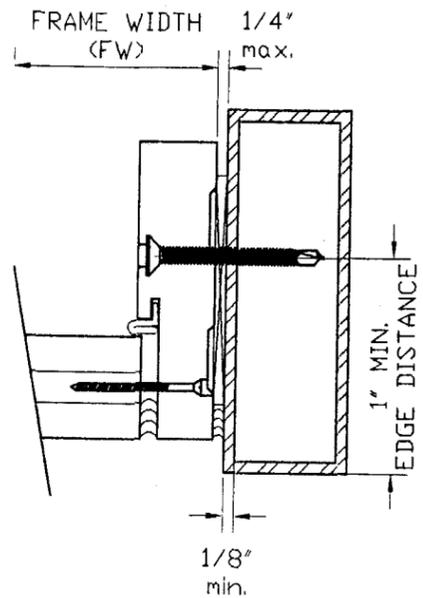
OPTION 1
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.
 EMBEDMENT INTO MASONRY
 (SEE THIS SHEET FOR ANCHORS LAY-OUT)



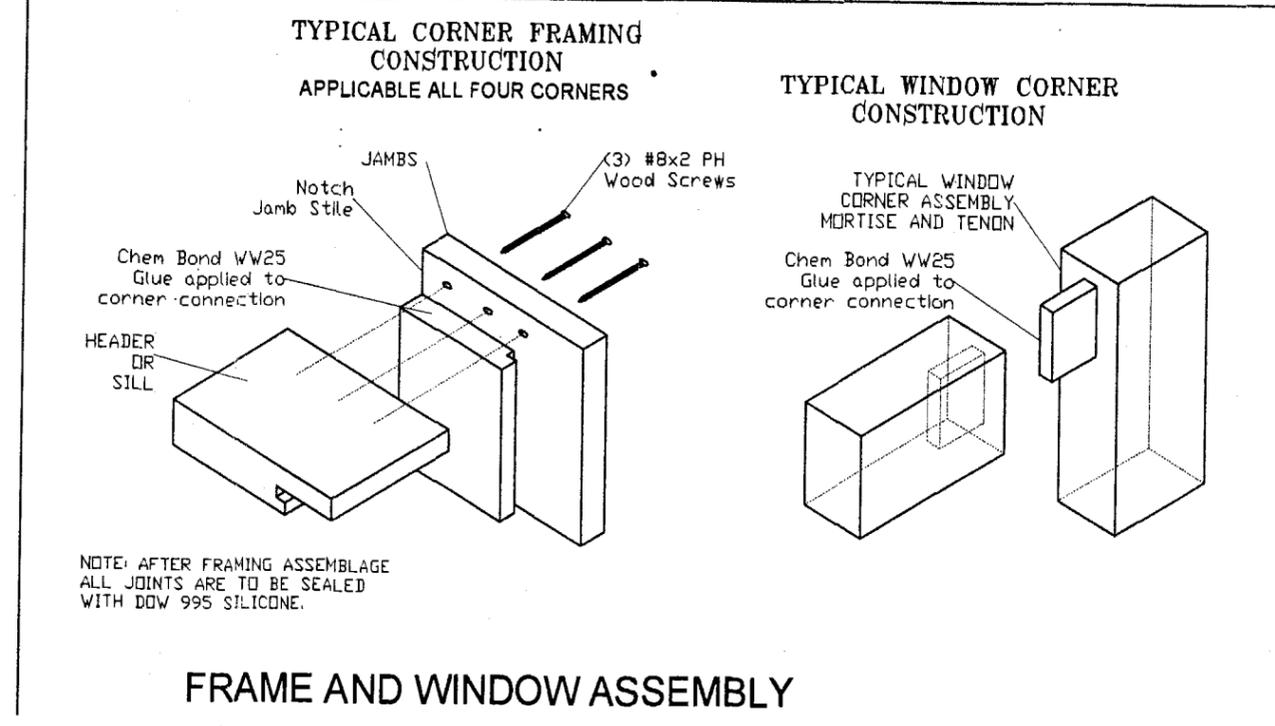
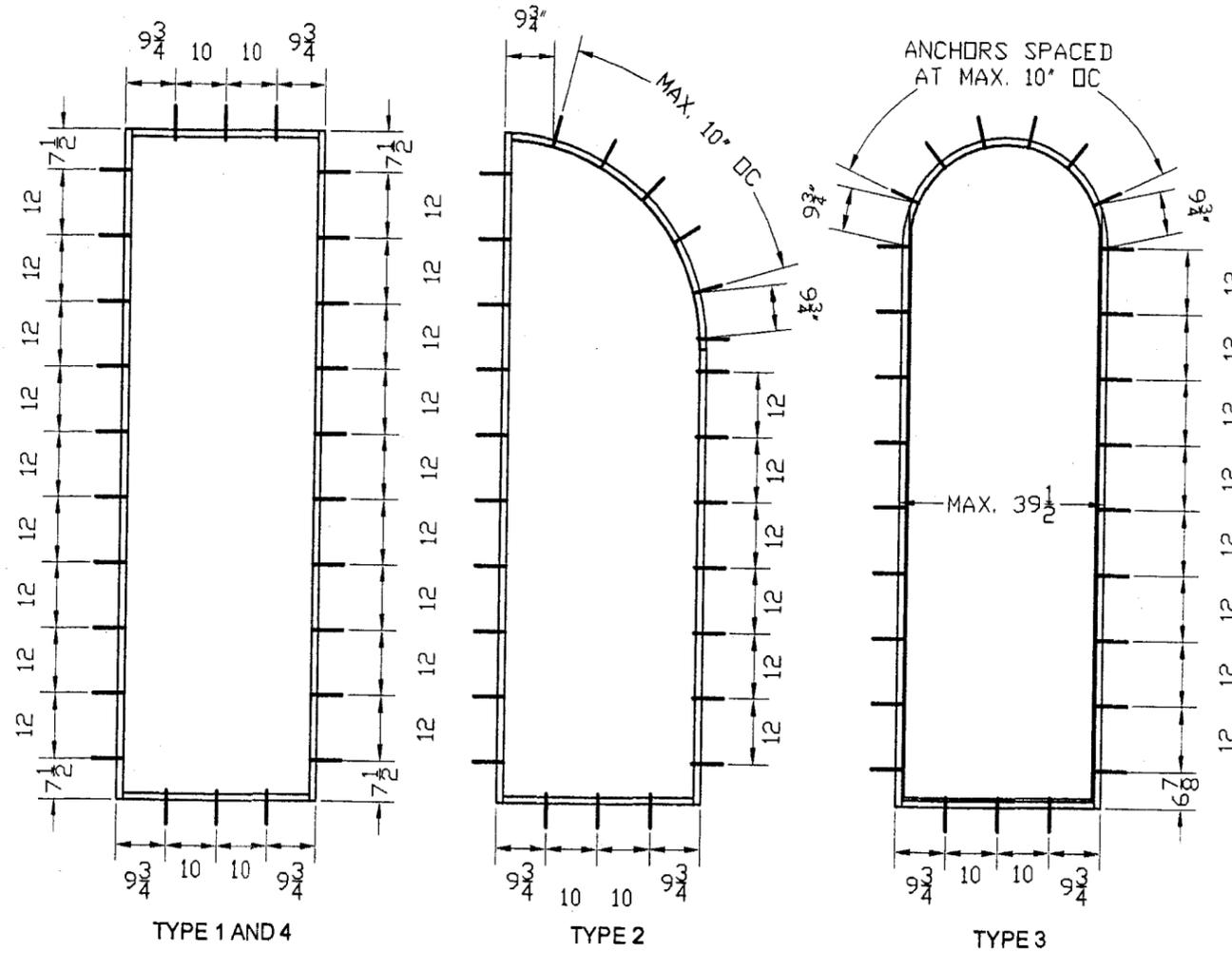
OPTION 2
 FRAME WITH MAXIMUM 1/4" PT WOOD SHIM
 AND 1" X PT CONT. WOOD SPACER
 1/4" TAPCONS BY ELCO WITH 1 1/4" MIN.
 EMBEDMENT INTO MASONRY
 (SEE THIS SHEET FOR ANCHORS LAY-OUT)



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 THIS SHEET 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 THIS SHEET FOR ANCHORS LAY-OUT)



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

FRAME AND WINDOW ASSEMBLY

MANUFACTURER:
Roatan Mahogany Millwork Inc
 4004C AURORA STREET
 CORAL GABLES, FL 33146
 Tel.: (305) 774 5999
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PRODUCT:
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NOV 01 2007
 Engineer Seal
 Pedro De Figueredo
 PE 52609

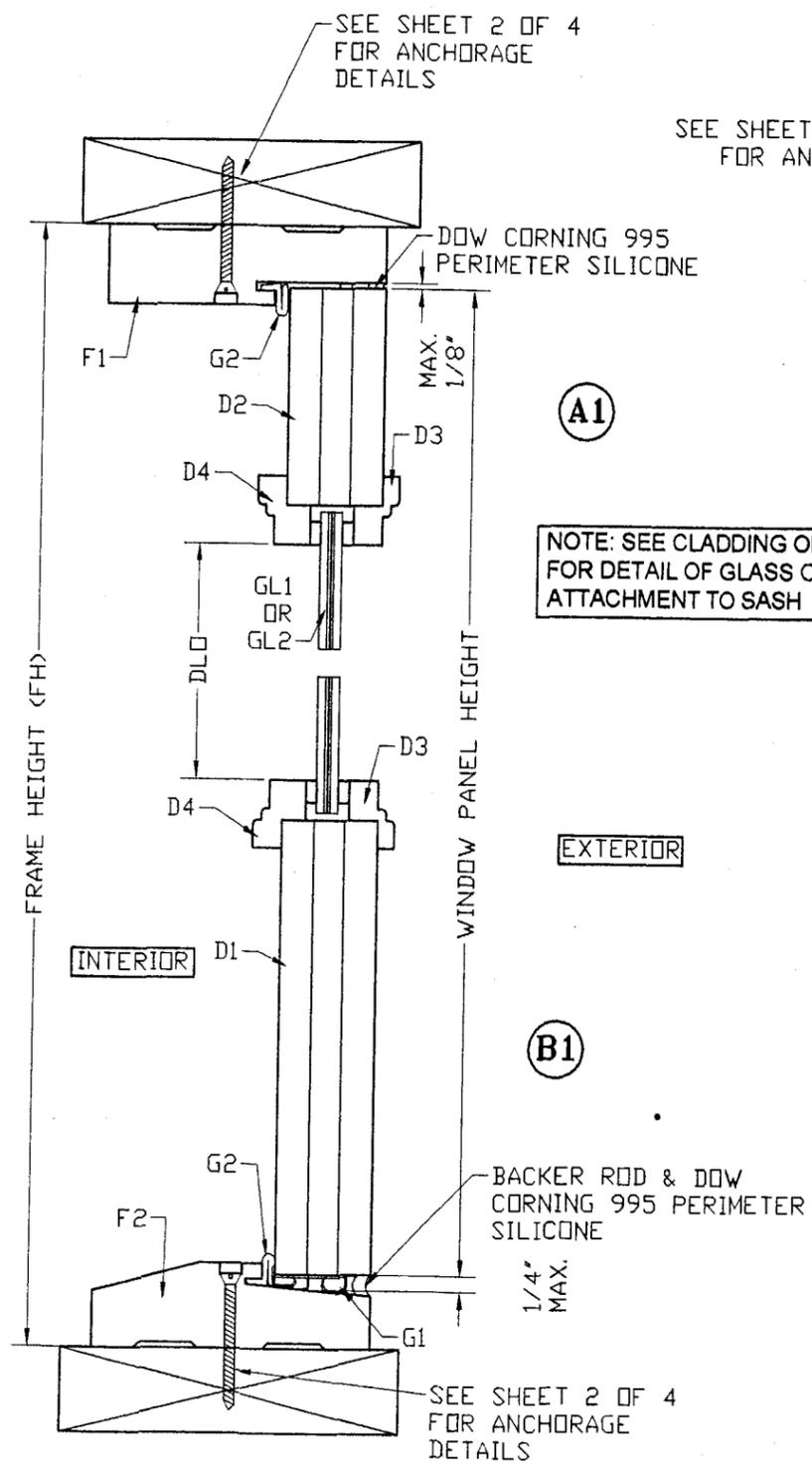
DRAFTING:
PK DRAFTING & MORE
 Date: 07/07/07
 Scale: NA
 Design by: PPMF

MIAMI-DADE BCCD:
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 Division

Drawing Number
 07-212

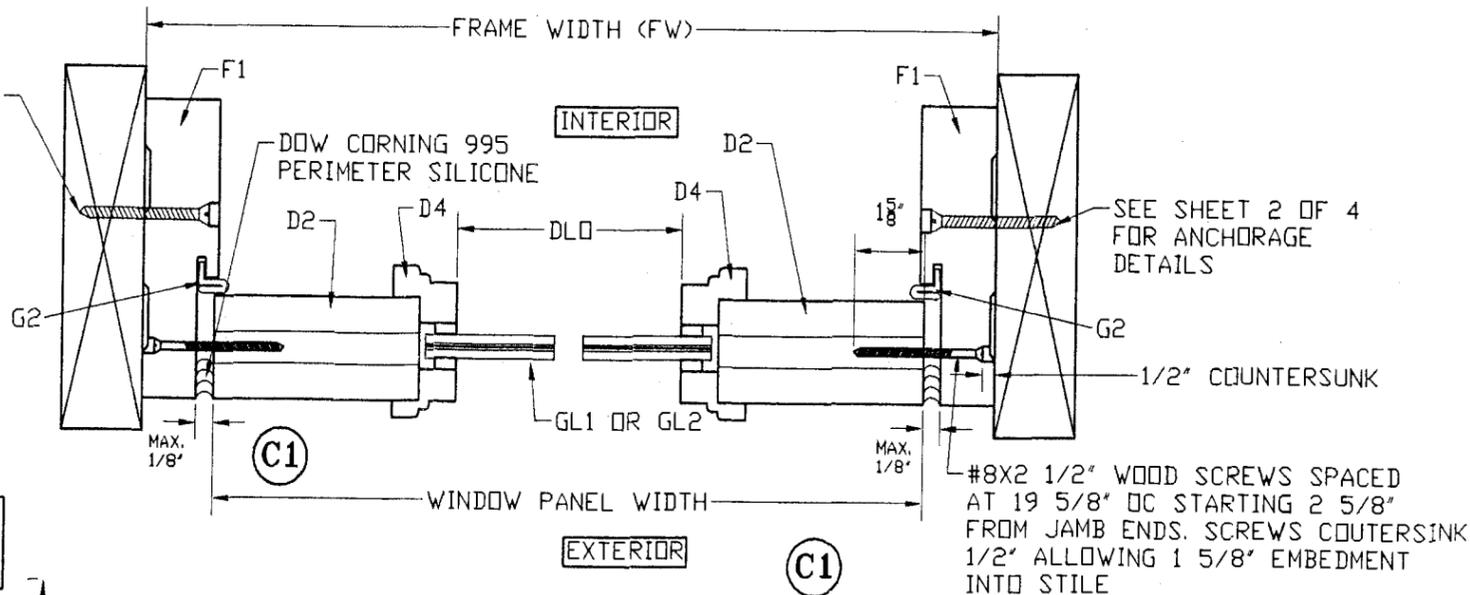
SHEET
 2 of 4

TYPICAL SECTIONS



A1

NOTE: SEE CLADDING OPTIONS FOR DETAIL OF GLASS OR PANEL ATTACHMENT TO SASH

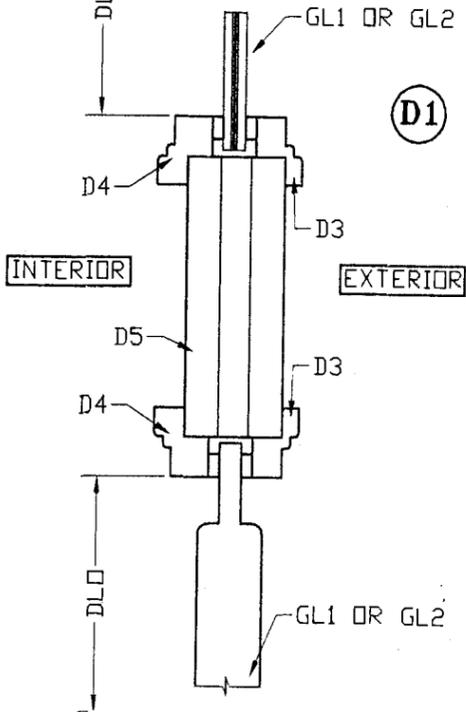


C1

C1

#8X2 1/2" WOOD SCREWS SPACED AT 19 5/8" OC STARTING 2 5/8" FROM JAMB ENDS. SCREWS COUNTERSINK 1/2" ALLOWING 1 5/8" EMBEDMENT INTO STILE

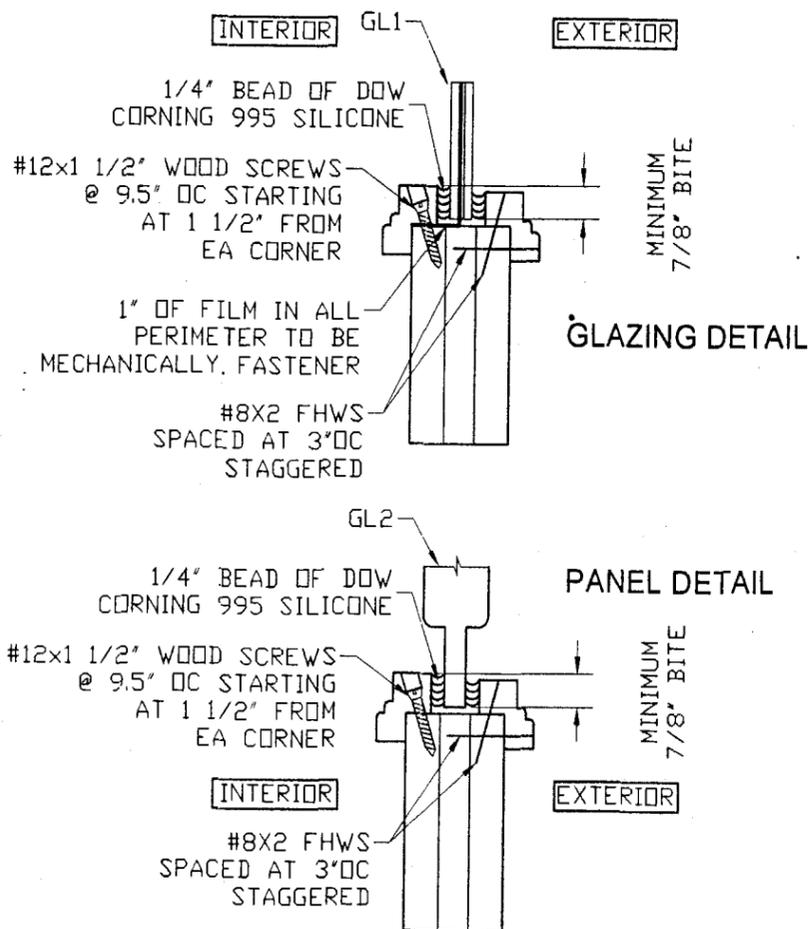
EXTERIOR



D1

B1

CLADDING OPTIONS



GLAZING DETAIL

PANEL DETAIL

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Date: 07/07/07
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MIAMI-DADE BCCO:

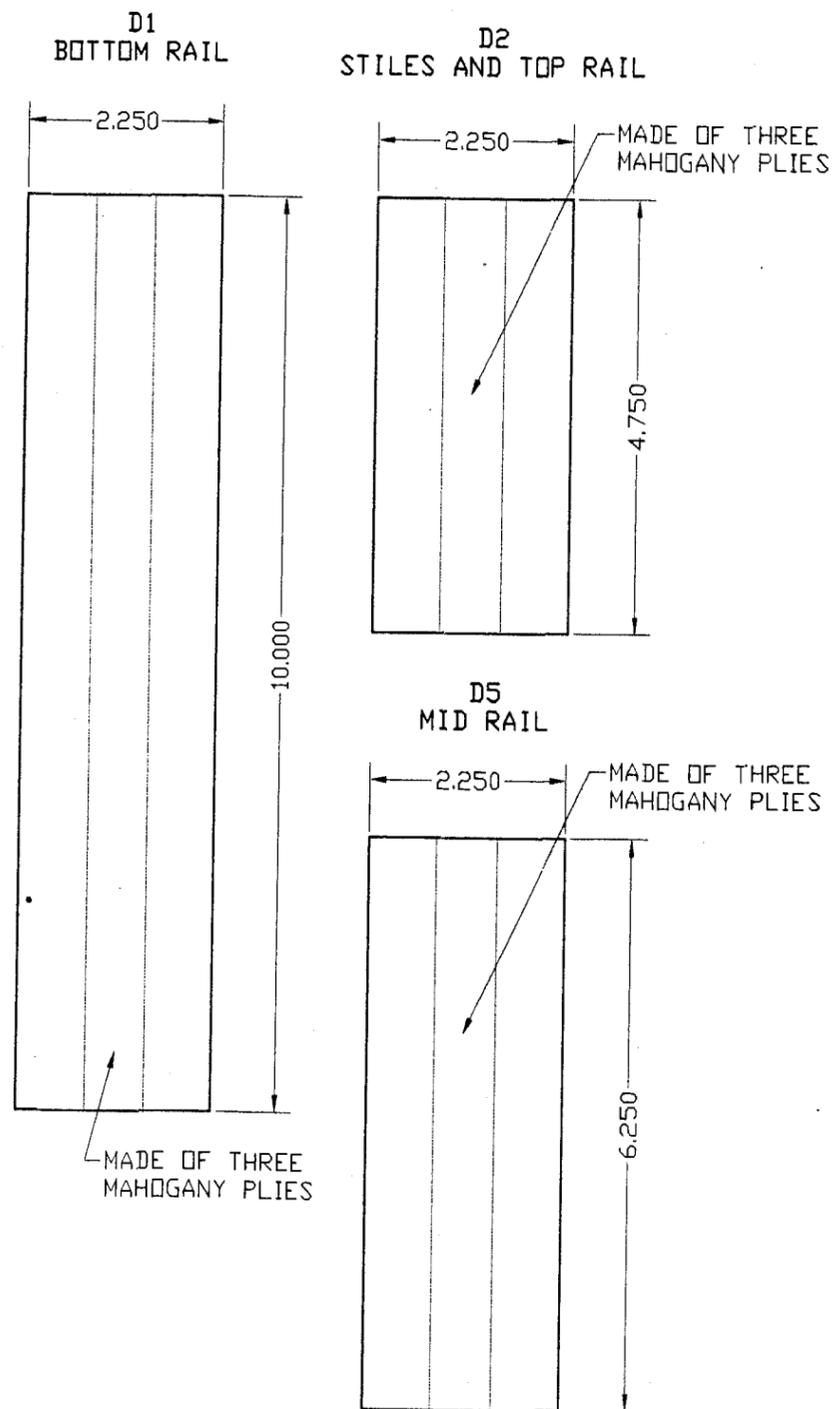
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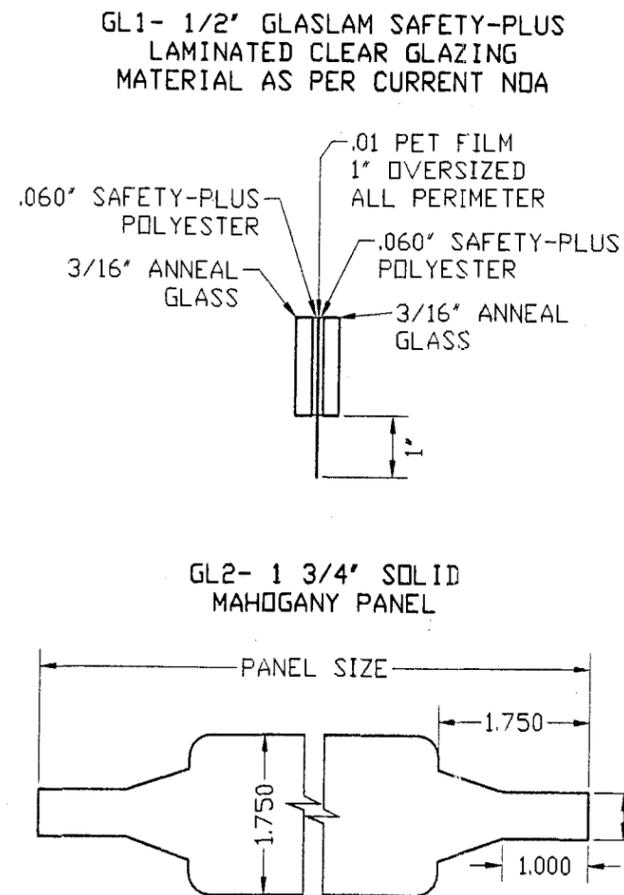
Drawing Number
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SHEET
 3 of 4

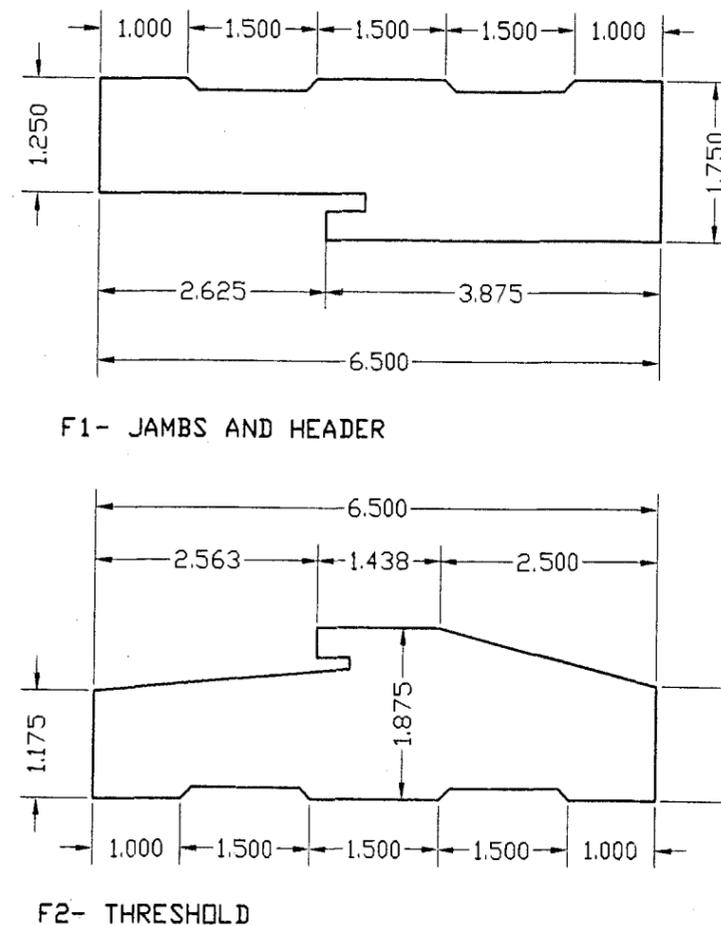
WINDOW PARTS



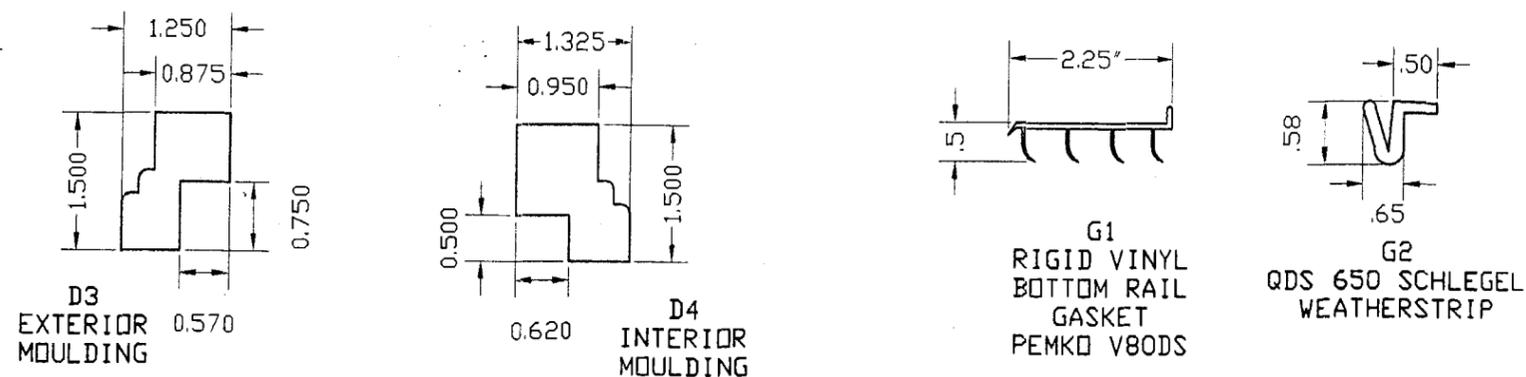
WINDOW CLADDING



FRAME PARTS



GASKETS



MANUFACTURER:
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SHEET
4 of 4