



**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

**Caoba Doors
4918 Cedar Avenue
Philadelphia, PA 19143**

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 "Mahogany" Outswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. CAB008, titled "Mahogany Casement", sheets 1 through 6 of 6, dated 06/01/09, with revision A dated 06/01/09, prepared by manufacturer, signed and sealed by Kristina S. Dougherty, P.E., 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 Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name:

Caoba Doors, S.A. Km 43.5 Finca San Isidro, Jocotenango, Sacatepequez, Guatemala, Central America and the following statement: "**Miami-Dade County Product Control Approved**"

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 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 08-1210.05
Expiration Date: July 22, 2014
Approval Date: July 22, 2009
Page 1**

Caoba Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **CAB008**, Sheets 1 through 6 of 6, titled "Mahogany Casement", dated 06/01/09, with revision A dated 06/01/09, prepared by manufacturer, signed and sealed by Kristina S. Dougherty, P.E.

B. TESTS

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 mahogany outswing single casement window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-1806W**, dated 02/13-15/08, signed and sealed by Ramesh Patel, P.E.
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
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 mahogany outswing French casement window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-1760W-1**, dated 01/16-18/08, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

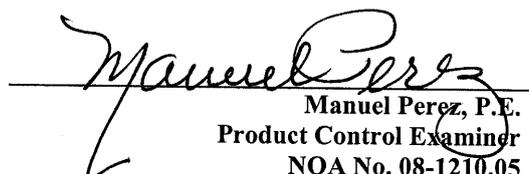
1. Anchor verification calculations and structural analysis, dated 12/08/08, complying with FBC-2007, prepared, signed and sealed by Kristina S. Dougherty, P.E.
Complies with ASTM E1300

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-1210.05
Expiration Date: July 22, 2014
Approval Date: July 22, 2009

Caoba Doors

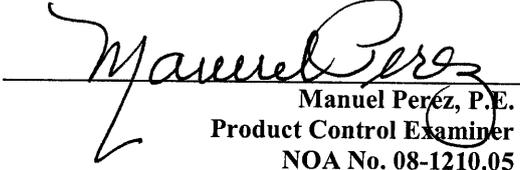
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance and no financial interest dated December 8, 2008, signed and sealed by Kristina S. Dougherty, P.E.
2. Distributor Agreement document in conformance to BCCO guidelines signed by Jeffrey Lutzner as the Manufacturer and the Distributor.

G. OTHERS

1. None.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 08-1210.05
Expiration Date: July 22, 2014
Approval Date: July 22, 2009

6/17/2009 1:31 PM

P:\projects\caoba doors\lp-0802-26 (master: list projects)\26_102 (casement noo)\vwg5\cab008 - mahogany single & double casement.dwg

CAOBA DOORS

MAHOGANY OUTSWING FRENCH CASEMENT WINDOW



Km. 43.5 Finca San Isidro Jocotenango
Sacatepequez, Guatemala
PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY CASEMENT INSTALLATION & GENERAL NOTES
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE	REVISIONS	
				GRN	HN
A	UPDATED DESIGN PRESSURE TABLE		06.01.09		

Kristina S. Daugherty
6-17-09
KRYSTINA S. DAUGHERTY
CUSTOMER SERVICE
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FIBRE CERT. OF AUTHORIZATION NO. 28820

DATE:	06.01.09	DWN BY:	GRN	CHK BY:	HN	SCALE:	N/TS
DWG #:	CAB008						
SHEET:	1 OF 6						

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE) 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: MAHOGANY
- THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE G=0.45 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD G>0.45 AND WITH THE MINIMUM GRADE 2 WITH THE FLORIDA BUILDING CODE SECTION 2326.2.
- ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MASONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE FLORIDA BUILDING CODE SECTIONS 2411.3.3.3 AND 2326.2.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION & GENERAL NOTES
2	A	ELEVATIONS & ANCHOR LAYOUTS
3	A	ELEVATIONS & HINGE LOCATIONS
4	A	VERTICAL SECTIONS
5	A	HORIZONTAL SECTIONS & GLAZING DETAILS
6	A	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING			
GLAZE TYPE	CONFIG.	DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
1	X	+100/-100 PSF	SMALL AND LARGE MISSILE IMPACT RATED
1	XX	+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED

Approved as shown, complying with the Florida Building Code
Date: **JULY 22, 2009**
NOAH **08-1216.05**
Miami Dade Products Control
Division
By: *Maurice Perez*

6/17/2009 1:28 PM

P:\projects\caoba doors\p-0802-26 (master-list projects)\26.102 (casement no.)\dwgs\cab008 - mahogany single & double casement.dwg

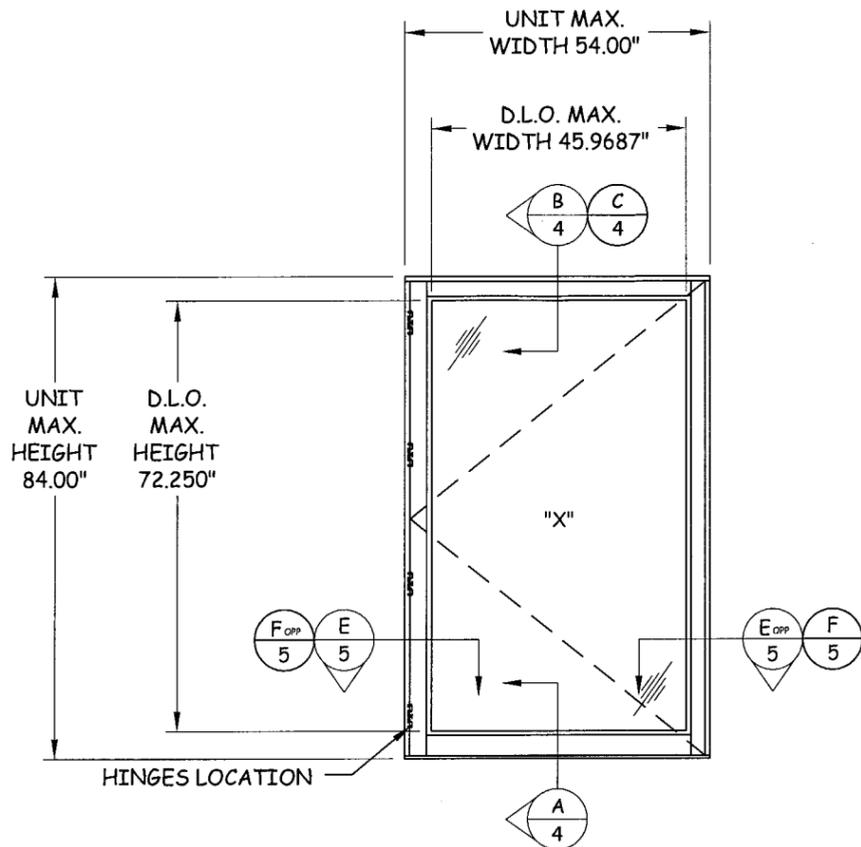
caoba[®]
DOORS

Km. 43.5 Finca San Isidro Jocotenango
Sacatepequez, Guatemala

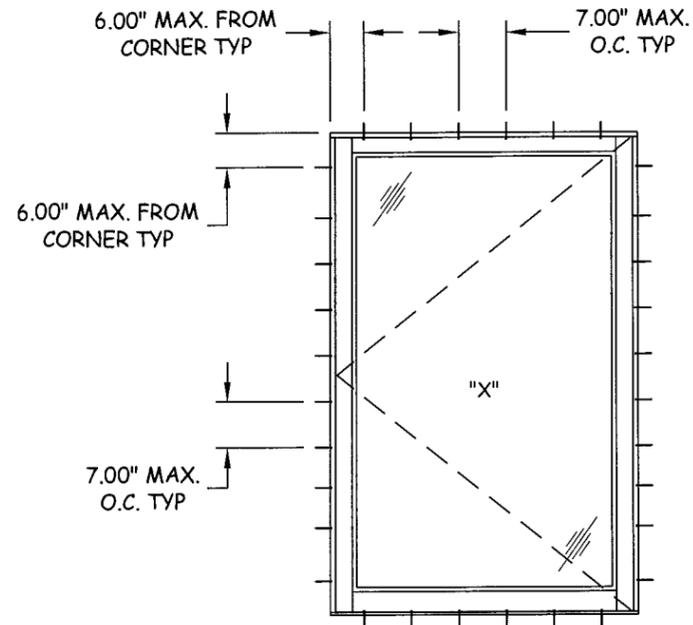
PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY CASEMENT
ELEVATIONS &
ANCHOR LAYOUTS

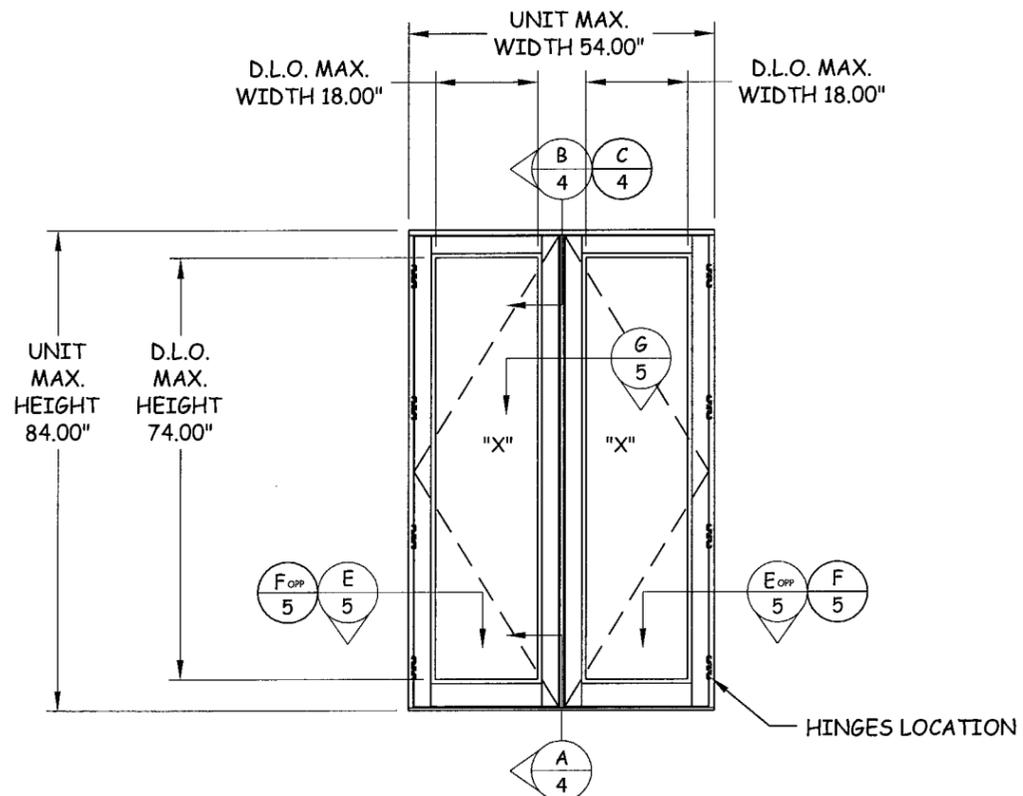
PREPARED BY:
CER TWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366



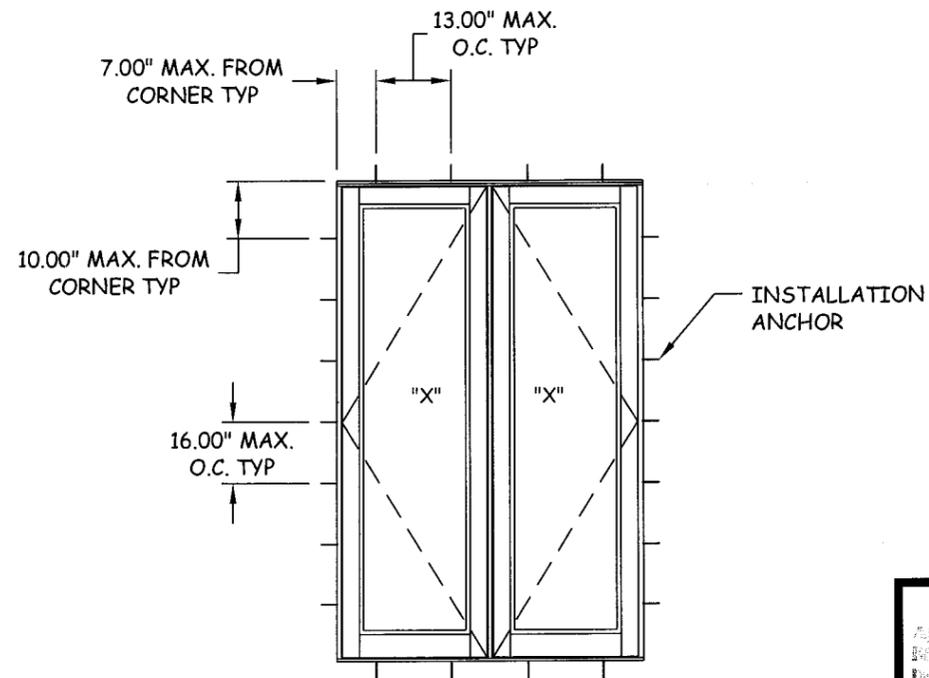
ELEVATION



ANCHOR LAYOUT



ELEVATION



ANCHOR LAYOUT

REVISIONS		NO.	DESCRIPTION	BY	DATE
A	UPDATED TITLE BLOCK	GRN			06.01.09

Kristina S. Daugherty
6-17-09
KRISTINA S. DAUGHERTY
FLORIDA ARCHITECT, STE. 438
127 WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28820

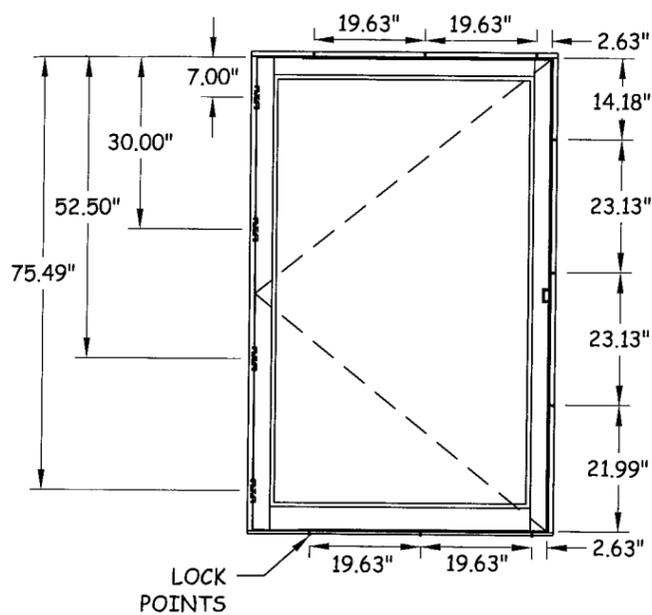
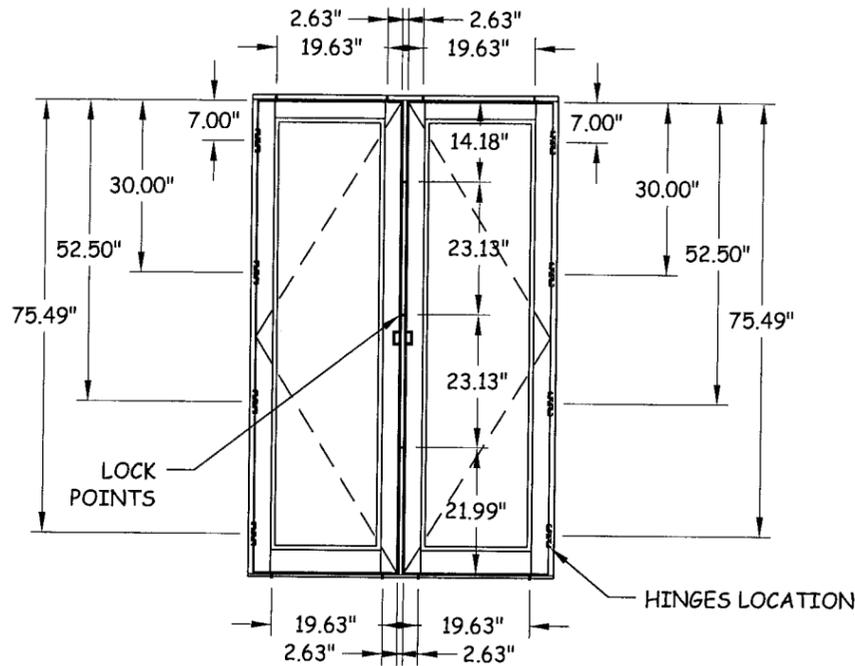
Approved for printing with the
Florida Building Code
Date: **July 22, 2009**
NOAR: **08-1210-05**
Manual Code Enforcement
By: *Manuel P...*

DATE: 06.01.09
DWN BY: GRN
CHK BY: HN
SCALE: NTS

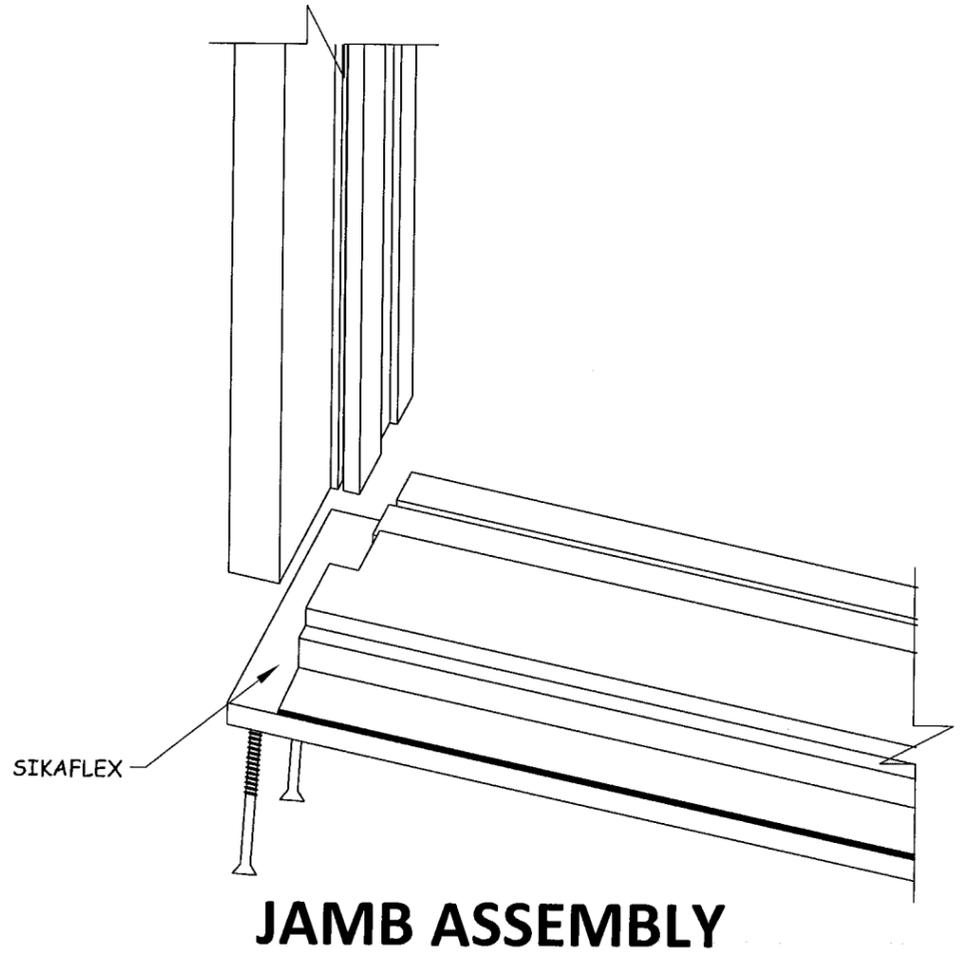
DWG #: **CAB008**
SHEET: 2 OF 6

6/17/2009 1:28 PM

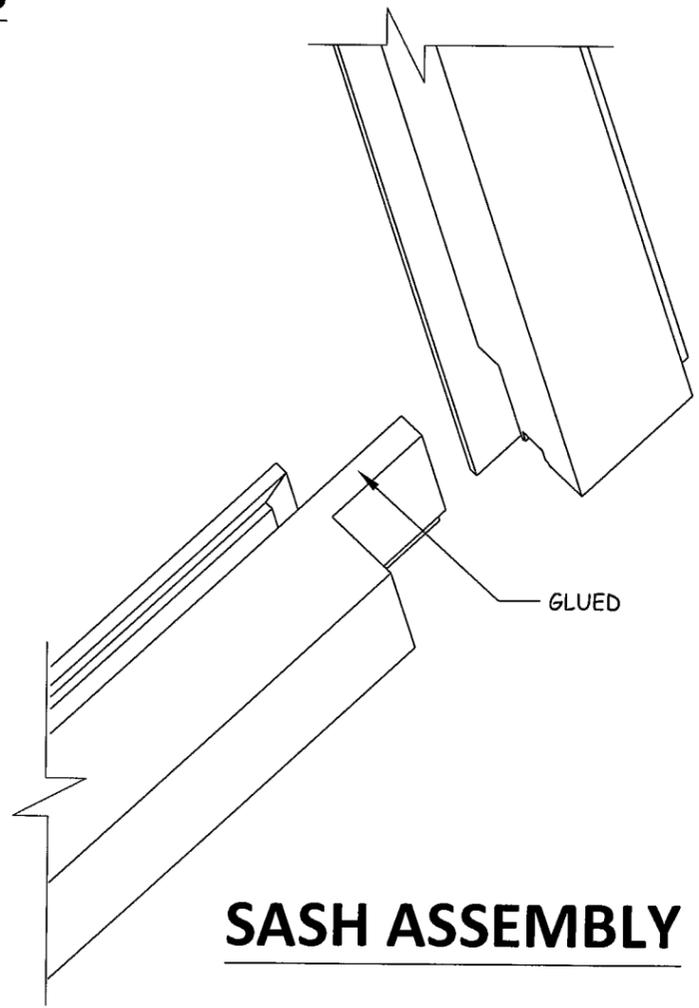
p:\projects\caoba doors\0802-26 (master list projects)\26.102 (casement no.)\dwg\cab008 - mahogany single & double casement.dwg



HINGE & LOCK POINT LAYOUTS



JAMB ASSEMBLY



SASH ASSEMBLY



Km. 43.5 Finca San Isidro Jocotenango
Sacatepequez, Guatemala

PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY CASEMENT ELEVATIONS & HINGE LOCATIONS
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		BY	DATE
NO.	DESCRIPTION	GRN	06.01.09
A	ADDED HINGE AND CORNER DETAILS		

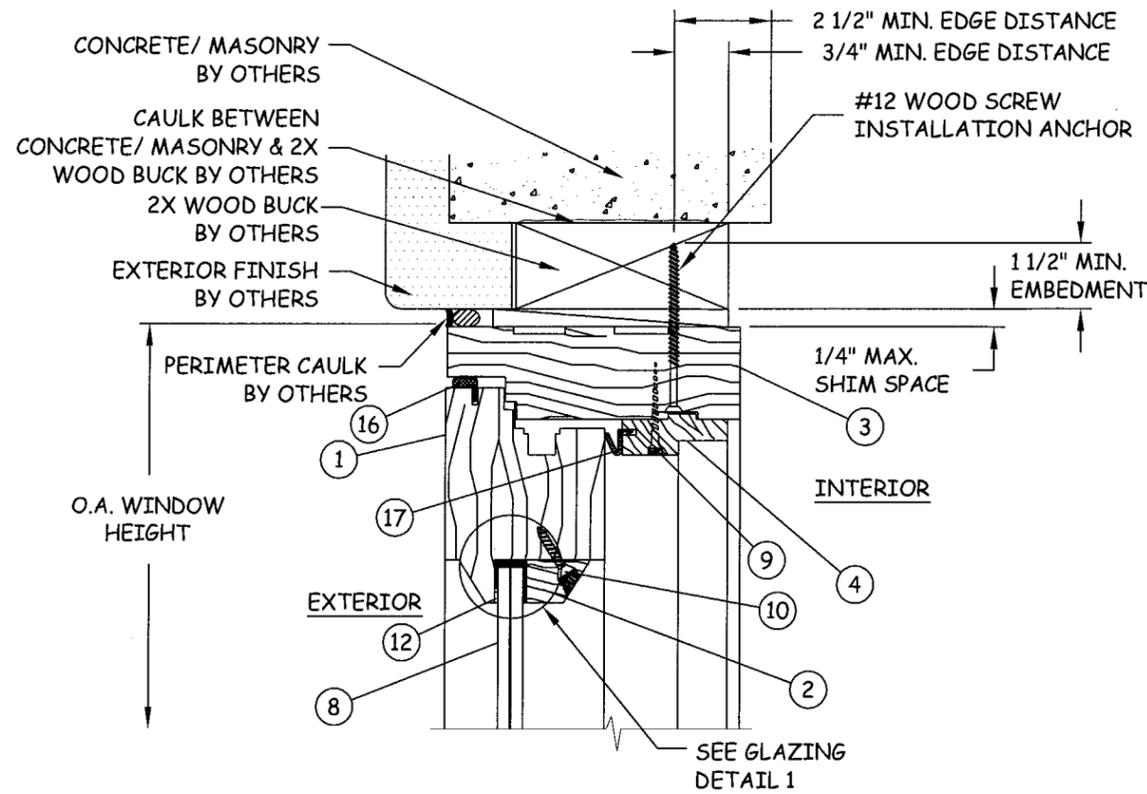
Kristina S. Daugherty
6-17-09
KRISTINA S. DAUGHERTY
FLORIDA P. E. NO. 68435
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 2882C

Approved as complying with the Florida Building Code
Date **July 22, 2009**
NOA# **08-1210.05**
Minimum Code Enforcement
By *Manuel Perez*

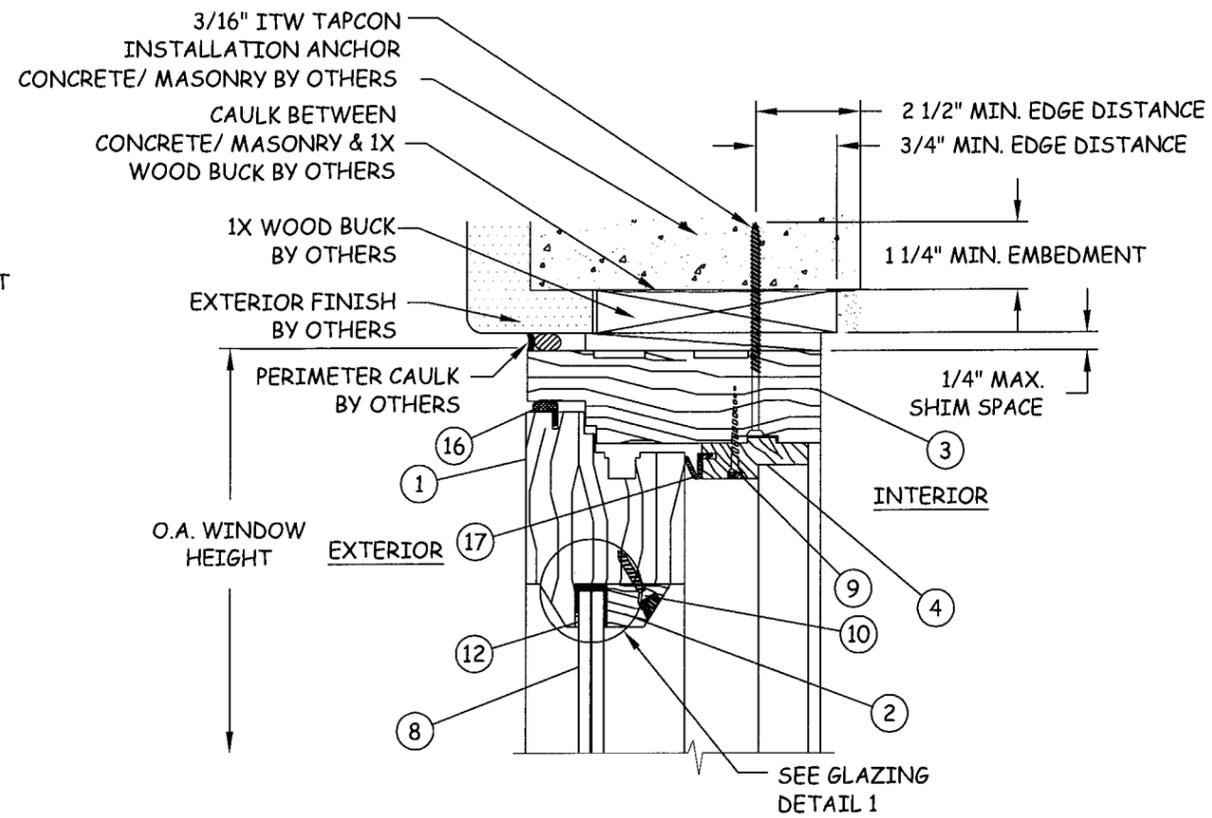
DATE: 06.01.09
DWN BY: GRN
CHK BY: HN
SCALE: NTS
DWG #: **CAB008**
SHEET: 3 OF 6

6/17/2009 1:28 PM

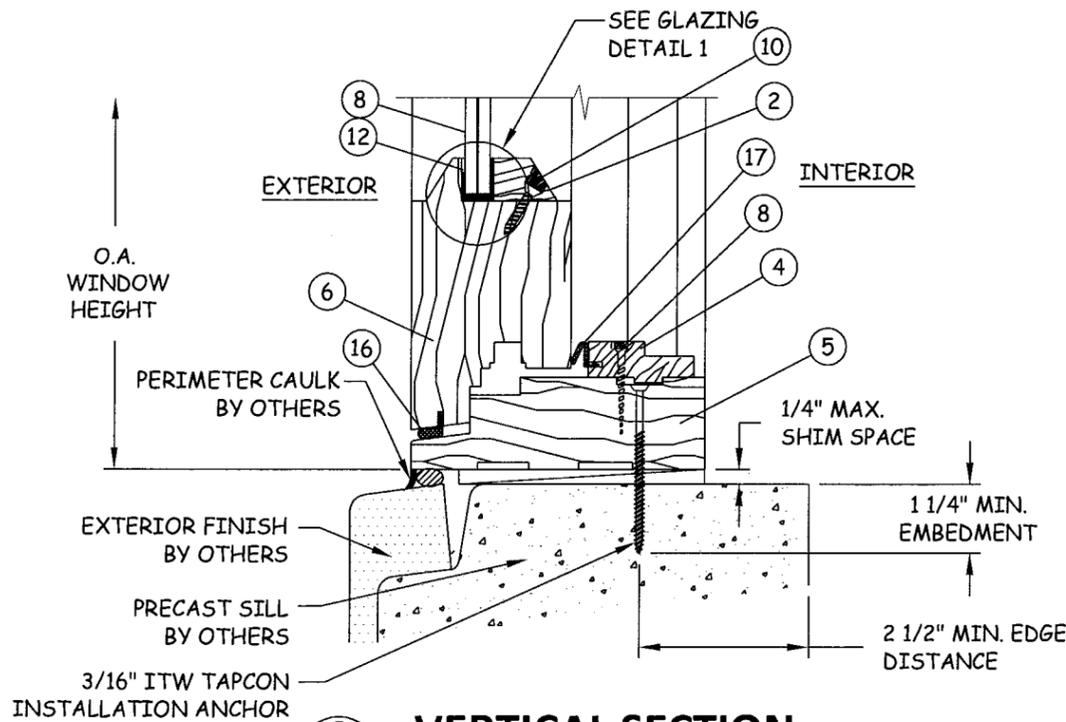
P:\projects\caoba doors\p-0802-26 (master list projects)\26.102 (casement hood)\dwg\cab008 - mahogany single & double casement.dwg



B
4 VERTICAL SECTION
HEAD - 2X WOOD BUCK



C
4 VERTICAL SECTION
HEAD - CONCRETE/MASONRY



A
4 VERTICAL SECTION
SILL - CONCRETE/MASONRY
PRE-CAST SILL

caoba[®]
DOORS

Km. 43.5 Finca San Isidro Jacotenango
Sacatepequez, Guatemala
PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY CASEMENT VERTICAL SECTIONS
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

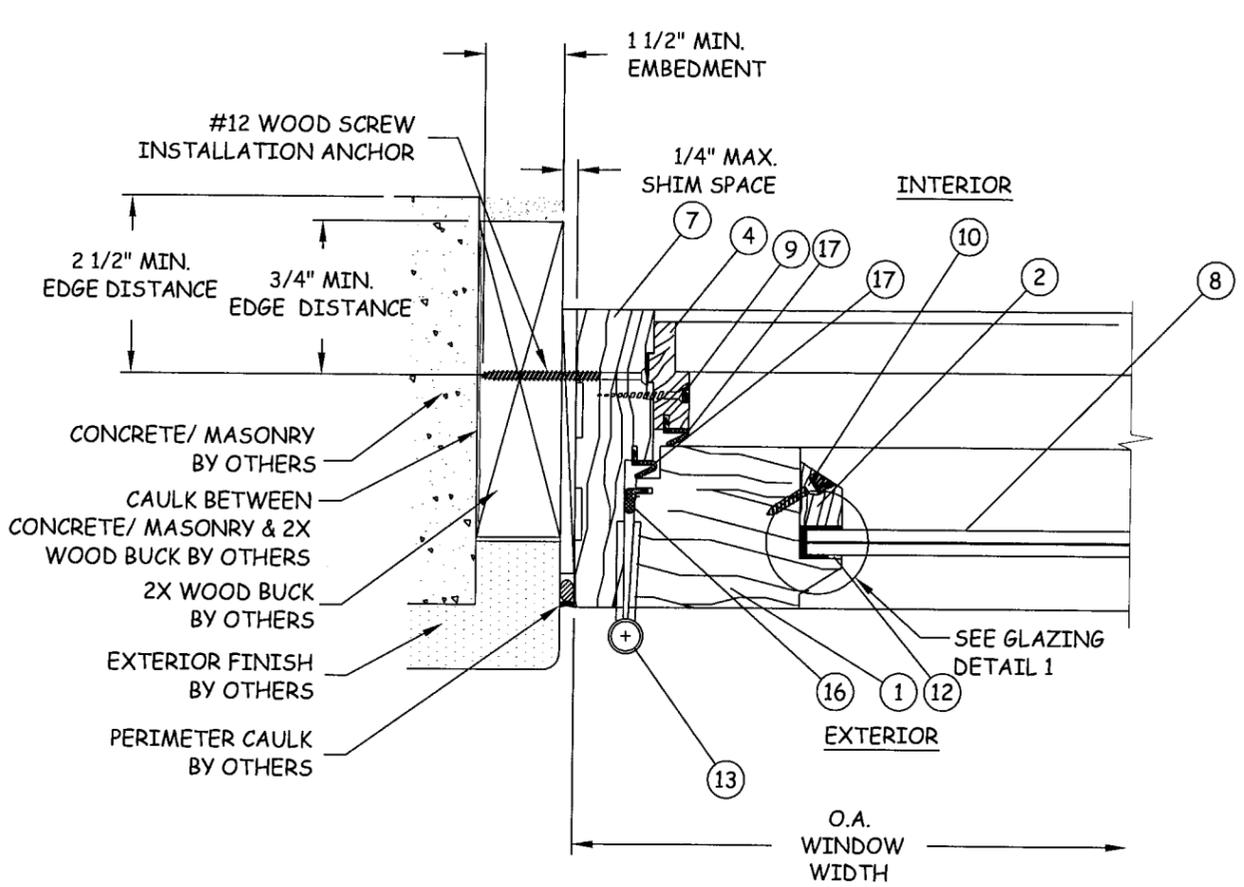
REVISIONS		BY	DATE
NO.	DESCRIPTION	GRN	06.01.09
A	UPDATED BUBBLE CALLOUTS		

Kristina S. Daugherty
6-17-09
KIRSTINA S. DAUGHERTY
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
FEPCE CERT. OF AUTHORIZATION NO. 28820

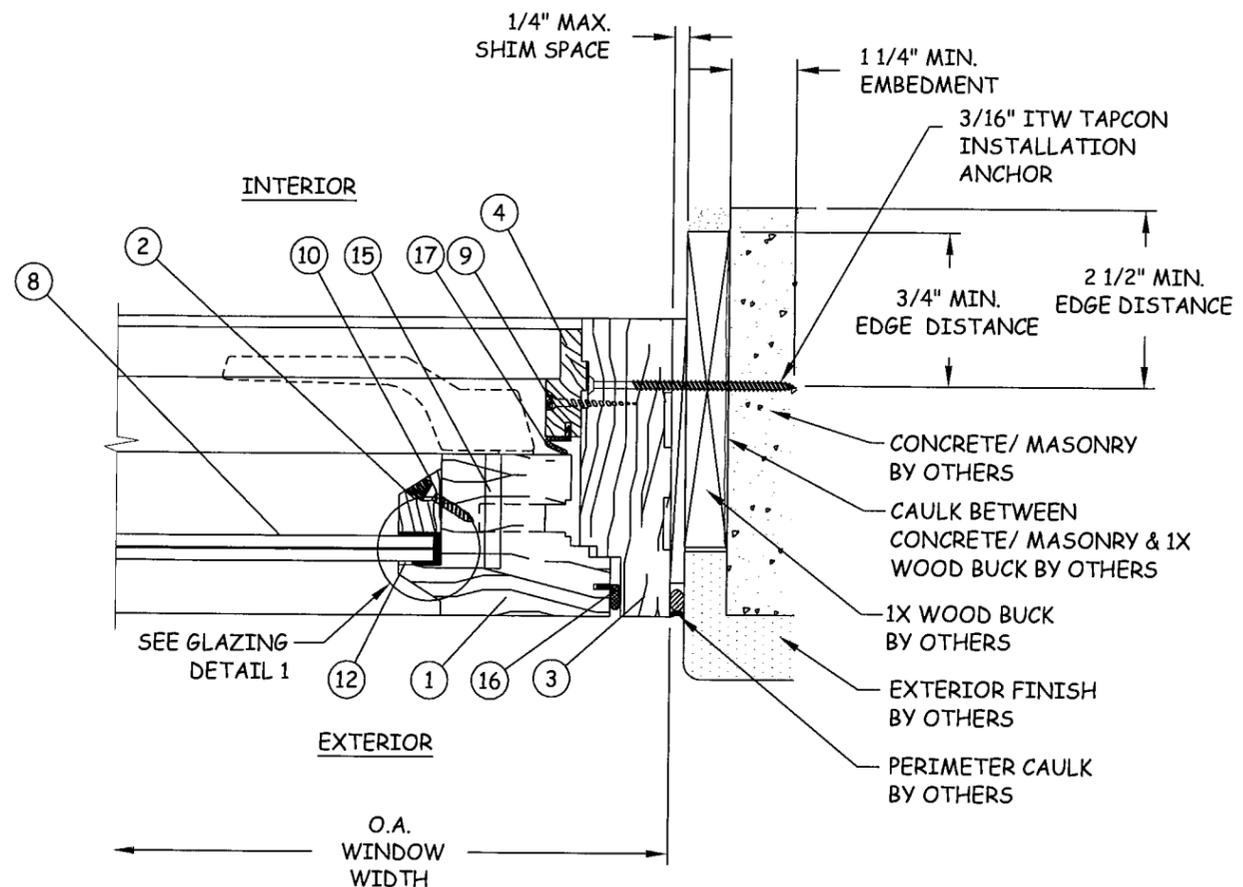
Approved according with the
Date July 22, 2009
NGA# 08-1210.05
By *Manuel Perez*

DATE: 06.01.09
DWN BY: GRN
CHK BY: HN
SCALE: NTS
DWG #: CAB008
SHEET: 4 OF 6

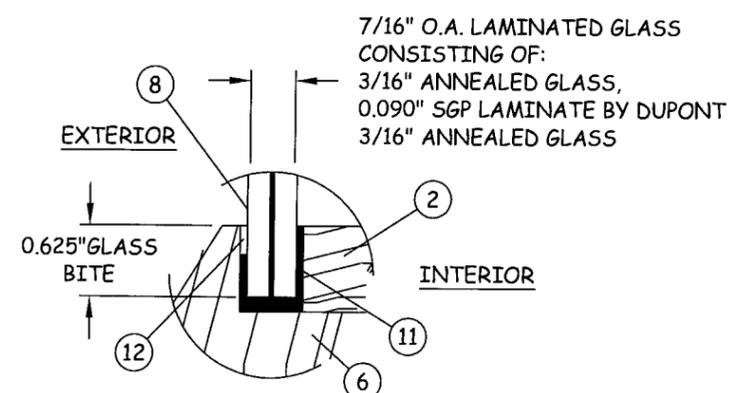
TITLE: MAHOGANY CASEMENT HORIZONTAL SECTIONS & GLAZING DETAIL
PREPARED BY: CERDA BROS. LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366



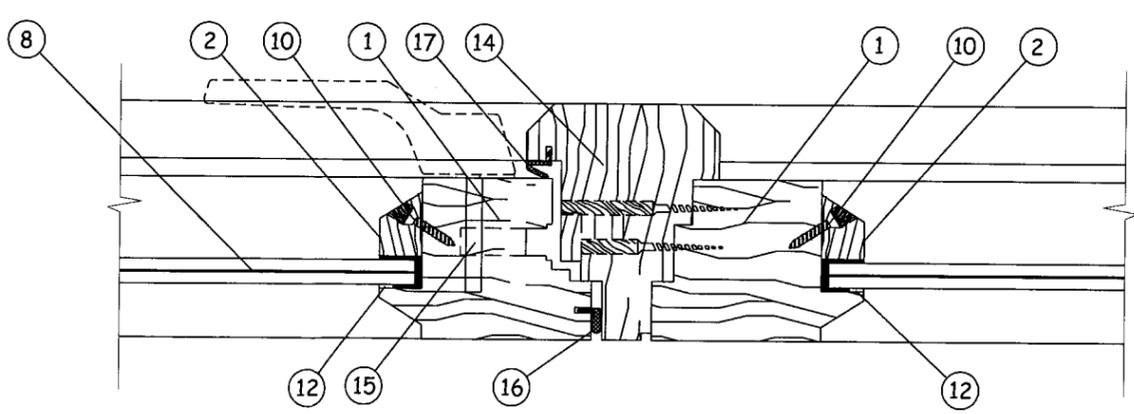
E
5 HORIZONTAL SECTION
JAMB - 2X WOOD BUCK



F
5 HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY



GLAZING DETAIL 1



G
5 HORIZONTAL SECTION
ASTRALAGO

REVISIONS	
NO.	DESCRIPTION
A	UPDATED BUBBLE CALLOUTS

BY	DATE
GRN	06.01.09

Kristina S. Valdez
6-17-09
KRISTINA S. VALDEZ
FLORIDA P.E. NO. 88495
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FIBRE CERT. OF AUTHORIZATION NO. 28920

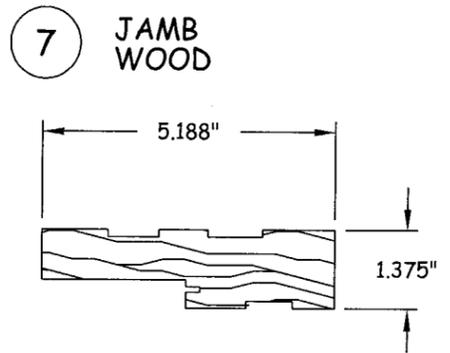
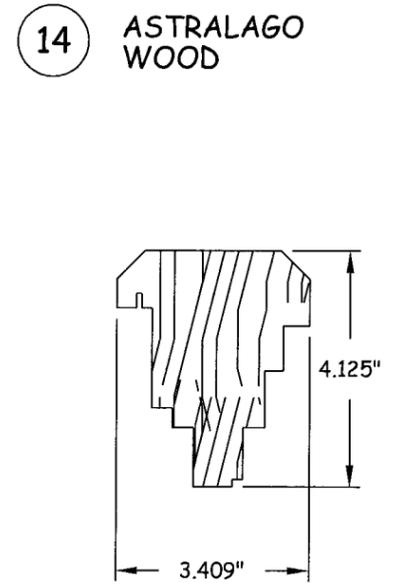
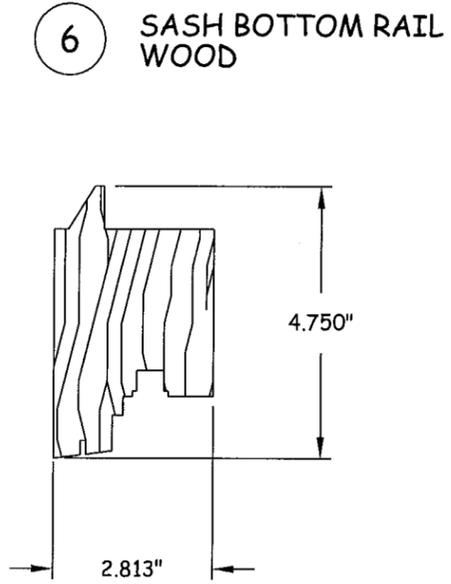
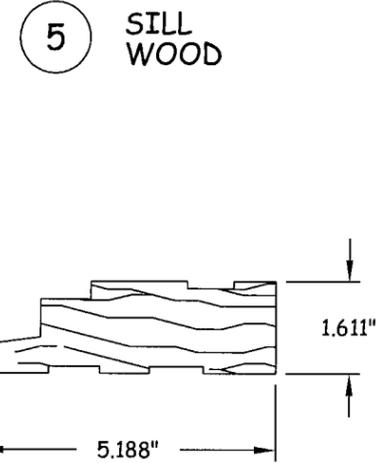
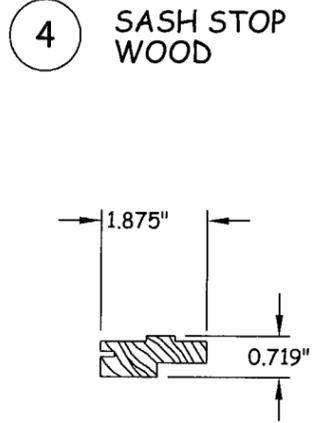
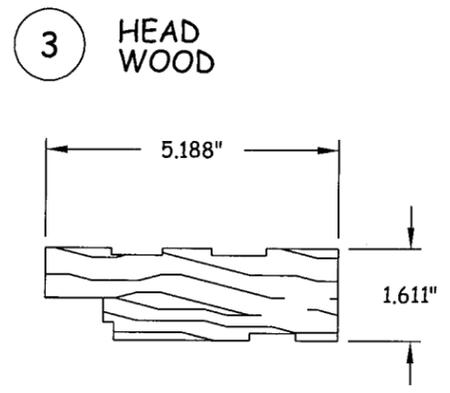
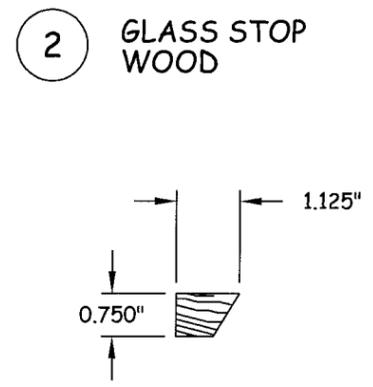
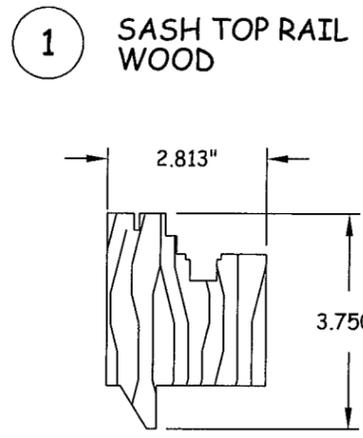
DATE: 06.01.09
DWN BY: GRN
CHK BY: HN
SCALE: NTS
DWG #: CAB008
SHEET: 5 OF 6

July 22, 2009
08-1210.05
Manuel Ruiz

p:\projects\caoba doors\p-0802-26 (master list projects)\26.102 (casement) \dwg\cab008 - mahogany single & double casement.dwg 6/17/2009 1:28 PM

p:\projects\caoba doors\p-0802-26 (master list projects)\26-102 (casement neo)\dwgs\cab008 - mahogany single & double casement.dwg 6/17/2009 1:28 PM

BILL OF MATERIALS				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1		SASH TOP RAIL	MAHOGANY	CAOBA DOORS
2		GLASS STOP	MAHOGANY	CAOBA DOORS
3		HEAD & JAMB	MAHOGANY	CAOBA DOORS
4		SASH STOP	MAHOGANY	CAOBA DOORS
5		SILL	MAHOGANY	CAOBA DOORS
6		SASH BOTTOM RAIL	MAHOGANY	CAOBA DOORS
7		JAMB	MAHOGANY	CAOBA DOORS
8		7/16" LAMINATED GLASS		
9		#10 X 2.75" FH WOOD SCREW	STEEL	
10		#8 X 2.00 FH WOOD SCREW	STEEL	
11	SG-20	SIKASILL		SIKAFLEX
12	AWT3	AWT3 GLAZING TAPE		ARLON
13	SBBH-44	4" X 4" HINGE	BRONZE	CAL ROYAL
14		ASTRALAGO	MAHOGANY	CAOBA DOORS
15		MULTIPOINT LOCKING SYSTEM	STEEL	GU
16	QEZ-320	WEATHER STRIPPING		SCHLEGEL
17	QWS-21	WEATHER STRIPPING		SCHLEGEL



Km. 43.5 Finca San Isidro Jocotenango
Sacatepequez, Guatemala
PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY CASEMENT COMPONENTS & BILL OF MATERIALS
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		NO.	DESCRIPTION	BY	DATE
A	UPDATED BILL OF MATERIALS	GRN	06.01.09		

Handwritten signature
6-17-09
KIRSTIN S. DALCHERTY
FLORIDA P. E. NO. 68465
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520

Approved to comply with the
Florida Building Code
Date: **JULY 22, 2009**
Project: **08-1210.05**
By: *Manuel Ruiz*

DATE: 06.01.09
DWN BY: GRN
CHK BY: HN
SCALE: NTS
DWG #: **CAB008**
SHEET: **6 OF 6**