



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Consolidated Woodwork Manufacturing, Inc. of DE.**  
**P.O. Box 134, 933 Blackroak Road**  
**Gladwayne ,PA 19035**

Your application for Notice of Acceptance (NOA) of:

**Defiance I Series Outswing Mahogany Wood Door w/ surface bolts & w/Transom-Impact**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-0103.05**  
**EXPIRES: 05/17/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL**  
**CONDITIONS**  
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 05/17/2001**

**Consolidated Woodworking Manufacturing Inc.**

**ACCEPTANCE No.:** 01-0103.05

**APPROVED** : May 17, 2001

**EXPIRES** : May 17, 2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This approves an outswing mahogany wood door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

2.1 The "Defiance I" series **Outswing Mahogany Wood Doors w/ wo Transom -Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **196-00**, titled "Defiance I Mahogany Outswing Door" Sheets 1 through 7 of 7, dated 11-06-2000 and last revised on 04-17-2001, prepared by EngCo Inc, signed and sealed by Pedro D. Figueiredo, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies to single unit applications of pair of outswing doors or single door with or without transom, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

**4. INSTALLATION**

4.1 The wood swing doors and its components shall be installed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**5. LABELING**

5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda  
Ishaq I. Chanda, P.E. Product Control Examiner  
Product Control Division

**Consolidated Woodworking Manufacturing Inc.**

**ACCEPTANCE No.:** 01-0103.05

**APPROVED** : May 17, 2001

**EXPIRES** : May 17, 2006

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda  
Ishaq I. Chanda, P. E., Product Control Examiner  
Product Control Division

**END OF THIS ACCEPTANCE**

**Consolidated Woodworking Manufacturing Inc.**

**ACCEPTANCE No.:** 01-0103.05

**APPROVED** : May 17, 2001

**EXPIRES** : May 17, 2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's parts and section drawings.
2. Drawing No **196-00**, titled "Defiance I Mahogany Outswing Door" Sheets 1 through 7 of 7, dated 11-06-2000 and last revised on 04-17-2001, prepared by EngCo Inc, signed and sealed by Pedro D. Figueiredo, P. E.

**B. TESTS**

1. Test reports on 1) Large Missile Impact Test, SFBC PA 201-94  
2) Cyclic Loading Test, per SFBC PA 203-94  
along with installation diagram of outswing wood door w/ transom marked-up by Hurricane Testing Laboratory, Inc., Test Report No. **0181-0601-00 (HTL-00033) specimen #1, 2 & 3**, dated 06/02/00, signed and sealed by Vinu Abraham, P. E.
2. Test reports on 1) Air Infiltration Test, per PA 202-94  
2) Uniform Load Static Air Pressure Test, per PA 202-94  
3) Water Resistance Test, per PA 202-94  
4) Forced Entry Resistance Test, per SFBC3603.2 (b) 5.  
along with installation diagram of an outswing-wood door marked-up by Hurricane Testing Laboratory, Inc., Test Report No. **0181-0601-00 (HTL-00033) specimen #1**, dated 06/19/00 thru 06/26/00, , signed and sealed by Vinu Abraham, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural performance, prepared by Engco Inc, dated 11-06-00, signed and sealed by Pedro D. Figueiredo, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **00-0329.03** , for "Safety Glas" issued to Security Impact Glass Holding, expiring 12-16-2001.

**E. STATEMENTS**

1. Statement letter of conformance and " No financial interest" , dated Novemberr 21, 2000, signed by Pedro D. Figueiredo, P.E.
2. Statement Lab compliance dated October 05, 2000, issued by Hurricane Testing Lab, signed and sealed by Vinu Abraham, P. E.

**F. OTHER**

1. Glazing compliance per Astm 1300-98
2. "United Windows and doors of Costa Rica" ownership letter dated May 01, 2001, issued by Consolidated Woodworking Manufacturer Inc (C.W.M.), signed by M. Mullock (president).

Ishaq I. Chanda  
Ishaq I. Chanda, P.E. Product Control Examiner  
Product Control Division

# DEFIANCE I MAHOGANY OUTSWING DOOR – IMPACT

## INDEX DRAWING 196-00:

- SHEET 1 of 7 – COVER SHEET, GENERAL NOTES
- SHEET 2 of 7 – DOOR CONFIGURATIONS
- SHEET 3 of 7 – DOOR SECTIONS DETAILS
- SHEET 4 of 7 – DOOR SECTION DETAILS
- SHEET 5 of 7 – HARDWARE SCHEDULE, FRAMING ANCHORAGE
- SHEET 6 of 7 – BASIC DOOR COMPONENTS, GLAZING SPECIFICATIONS
- SHEET 7 of 7 – FRAME / SASH CONSTRUCTION

DESIGNED PRESSURE RATING  
EXTERIOR: Pd= +55 PSF  
INTERIOR: Pd= -55 PSF

## GENERAL NOTES:

- 1- CODE: This product has been tested and designed in accordance with the South Florida Building Code Dade County Edition.
- 2- DEFINITION: This product is a mahogany door with 7/16" large missile impact resistant laminated glass.
- 3- POSTING: A permanent legible decal shall be placed at readily visible location reading the following:  
" DEFIANCE I MAHOGANY OUTSWING DOOR  
CONSOLIDATED WOODWORK MANUFACTURING, INC  
GLADWYNE – PENNSYLVANIA  
DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- LOADS, INSTALLATION AND MANUFACTURING of this product MUST comply with ALL applicable sections of the South Florida Building Code.
- 5- MATERIAL: All wood material to be fabricated from Kiln dried Mahogany and Glazing with 7/16" "SAF-GLAS" polycarbonate laminate glass.
- 6- FASTENERS: Assembly screws and anchors shall be as specified at current set of drawings. Installation and loads as per approved NOA.

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE MAY 17, 2001  
BY Isheq J. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0103.05

Manufacturer:  
**C.W.M.**  
PO Box 134 – GLADWYNE  
PENNSYLVANIA, 19035  
Tel.: (610) 896-3607  
WWW.WOODWINDOWS.COM

Product:  
**Defiance I  
Mahogany  
Outswing Door**

Engineering:  
**EngCo Inc.**  
CA 8116  
9957 NW 7th St.  
Plantation, FL 33324  
Tel.: (954) 424-4064



APR 23 2001

Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 04/17/01  
Scale: 1:32  
Design by: PPMF

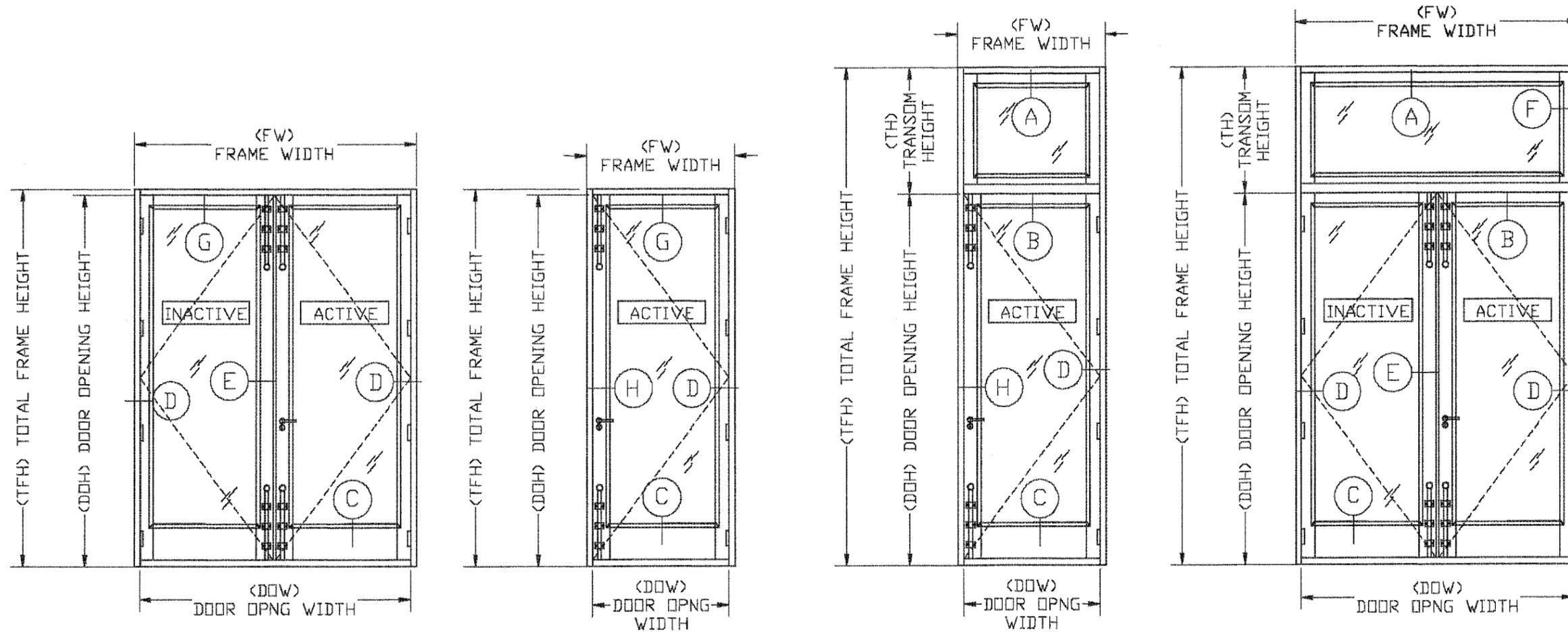
Revision:  
Original 11/6/00  
#1- 4/17/01

Drawing Number  
**196-00**

Sheet  
**1 of 7**

# DOOR CONFIGURATIONS

## OUTSWING DOORS INTERIOR ELEVATIONS



DOOR TYPE	DOW	FW	DOH	TH	TFH
PAIR W/ TRANSOM	72	75	96.75	32.25	129
PAIR W/OUT TRANSOM	72	75	95.75	NA	97.25
SINGLE W/ TRANSOM	36	39	95.75	32.25	129
SINGLE W/OUT TRANSOM	36	39	95.75	NA	97.25

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE MAY 17, 2001  
BY Isheq I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
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APR 23 2001

Engineer Seal  
Pedro De Figueiredo  
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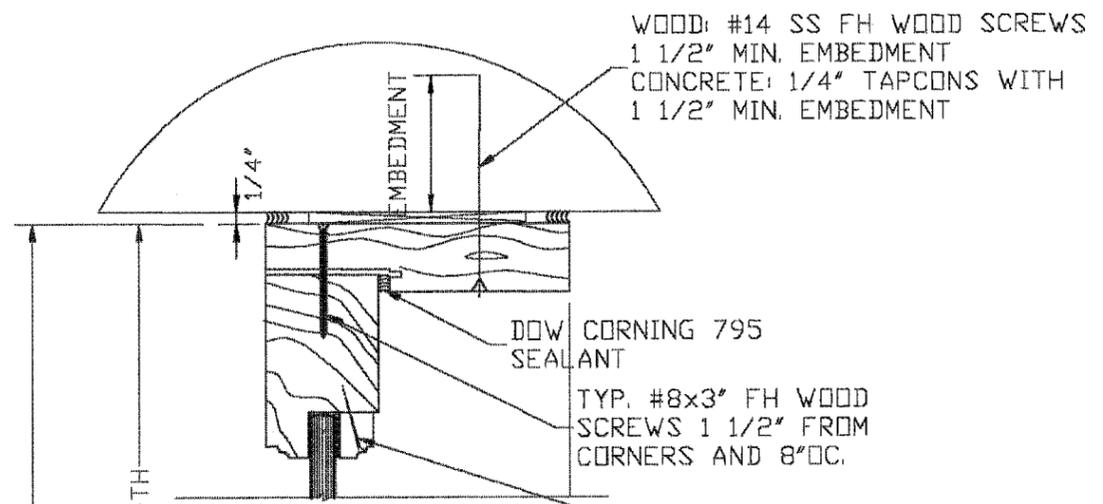
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Design by: PPMF

Revision:  
Original 11/6/00  
#1- 4/17/01

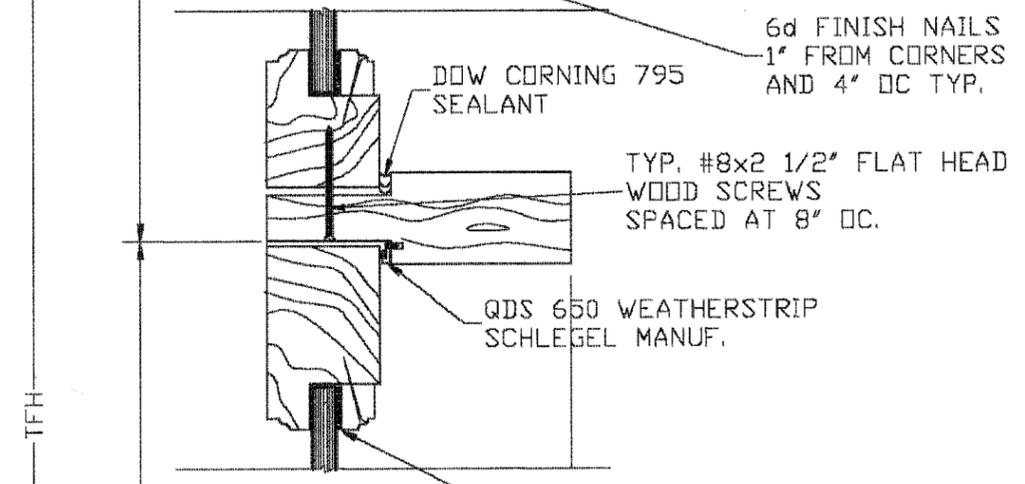
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196-00

Sheet  
2 of 7

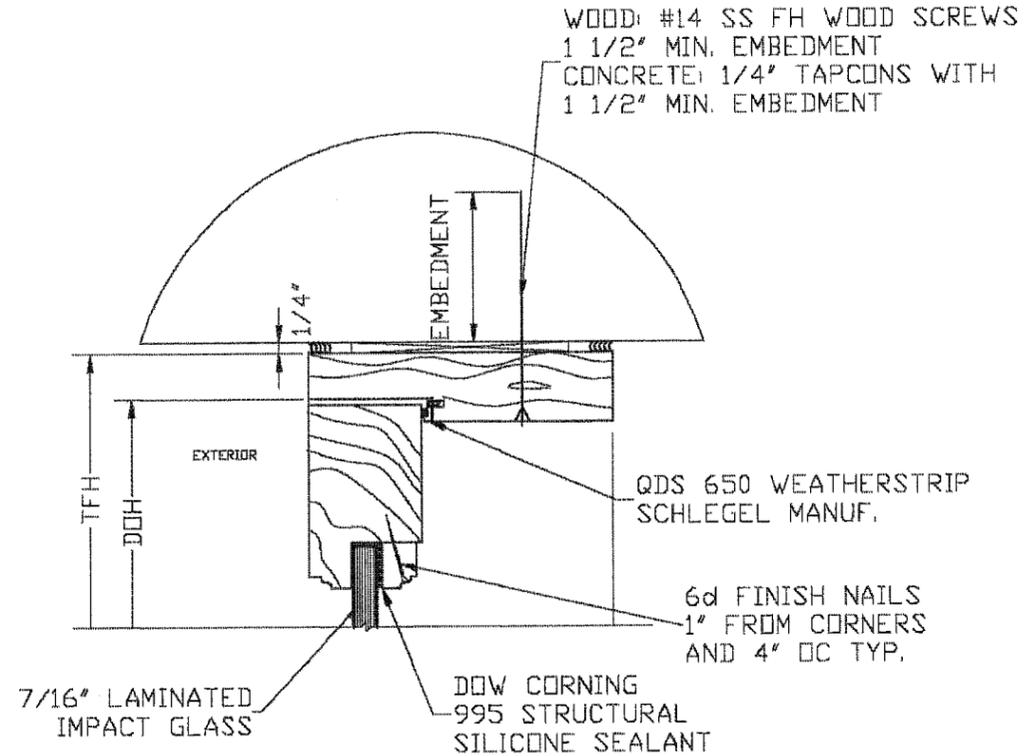
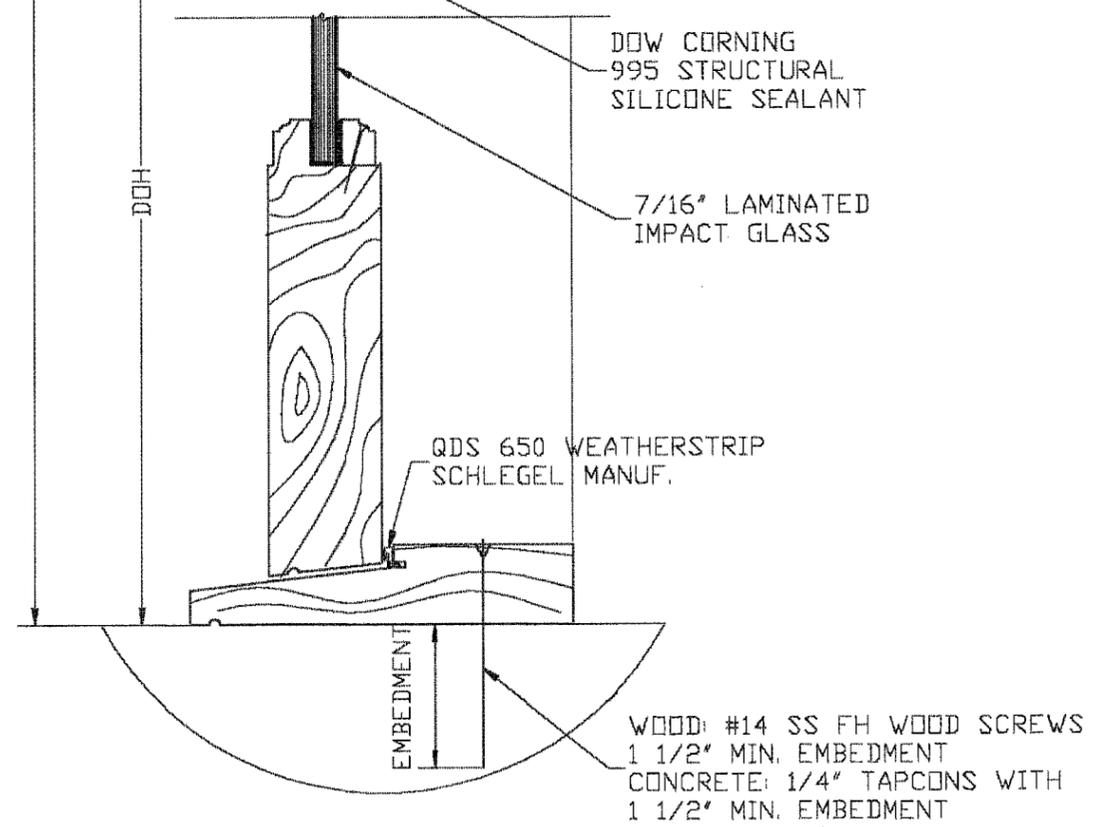
DETAIL A  
TRANSOM HEADER



DETAIL B  
DOOR/TRANSOM  
HEADER



DETAIL C  
DOOR SILL



DETAIL G  
DOOR HEADER

Manufacturer:  
**C.W.M.**  
PO Box 134 - GLADWYNE  
PENNSYLVANIA, 19035  
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**Defiance I  
Mahogany  
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APR 23 2001

Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 04/17/01  
Scale: 1:1/4  
Design by: PPMF

Revision:  
Original 11/6/00  
#1- 4/17/01

Drawing Number

196-00

Sheet  
3 of 7

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE May 17, 2001  
BY Ishaq I. Lhanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0103-05

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**C.W.M.**  
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APR 23 2001  
 Engineer Seal  
 Pedro De Figueredo  
 PE 52609

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 Design by: PPMF

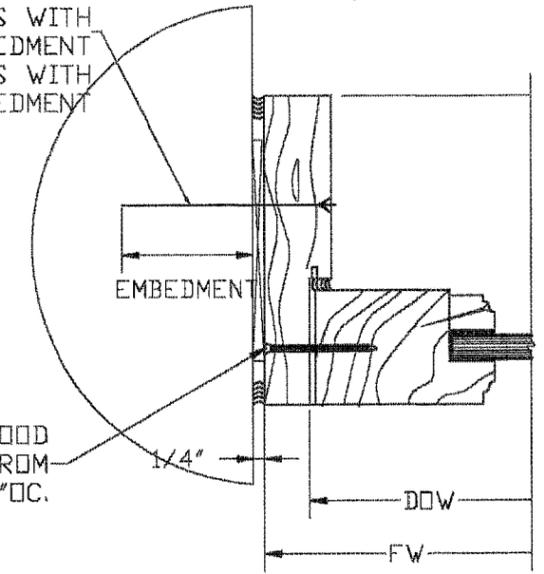
Revision:  
 Original 11/6/00  
 #1- 4/17/01

Drawing Number  
 196-00

Sheet  
 4 of 7

DETAIL F  
 TRANSOM JAMB

WOOD: #14 SS FH WOOD SCREWS  
 1 1/2" MIN. EMBEDMENT  
 CONCRETE: 1/4" TAPCONS WITH  
 1 1/2" MIN. EMBEDMENT  
 BLOCK: 1/4" TAPCONS WITH  
 1 1/4" MIN. EMBEDMENT



TYP. #8x3" FH WOOD  
 SCREWS 1 1/2" FROM  
 CORNERS AND 8" OC.

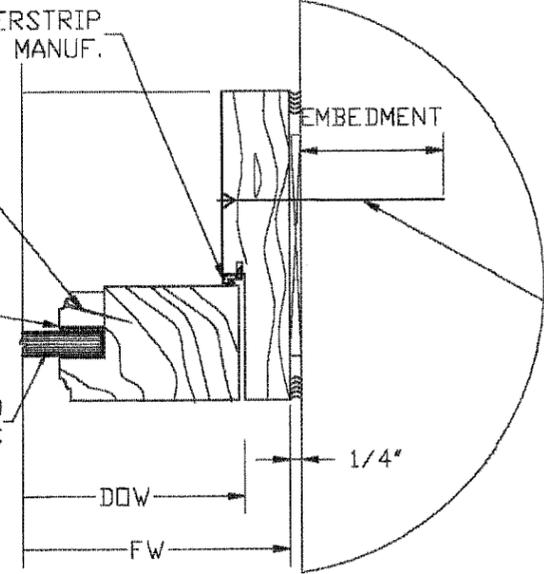
DETAIL H  
 DOOR JAMB  
 LOCK STYLE

QWS 650 WEATHERSTRIP  
 SCHLEGEL MANUF.

6d FINISH NAILS  
 1" FROM CORNERS  
 AND 4" OC TYP.

DOW CORNING  
 995 STRUCTURAL  
 SILICONE SEALANT

7/16" LAMINATED  
 IMPACT GLASS



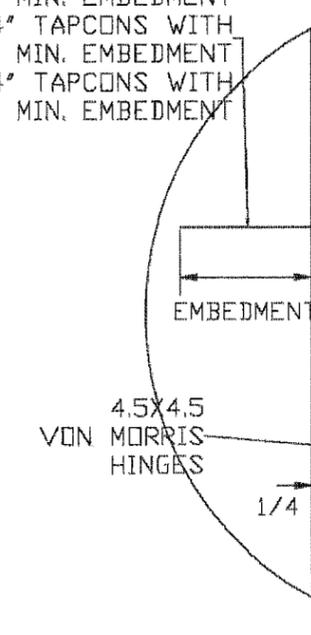
WOOD: #14 SS FH WOOD SCREWS  
 1 1/2" MIN. EMBEDMENT  
 CONCRETE: 1/4" TAPCONS WITH  
 1 1/2" MIN. EMBEDMENT  
 BLOCK: 1/4" TAPCONS WITH  
 1 1/4" MIN. EMBEDMENT

DETAIL D  
 DOOR JAMB  
 HINGE STYLE

DETAIL E  
 DOOR MEETING STILES

DETAIL D  
 DOOR JAMB  
 HINGE STYLE

WOOD: #14 SS FH WOOD SCREWS  
 1 1/2" MIN. EMBEDMENT  
 CONCRETE: 1/4" TAPCONS WITH  
 1 1/2" MIN. EMBEDMENT  
 BLOCK: 1/4" TAPCONS WITH  
 1 1/4" MIN. EMBEDMENT



4.5X4.5  
 VON  
 MORRIS  
 HINGES

WOOD ASTRAGAL  
 NAILED TO INACTIVE LEAF  
 BY 6d NAILS 2" FROM  
 ENDS AND 12" OC

QWS 650 WEATHERSTRIP  
 SCHLEGEL MANUF.

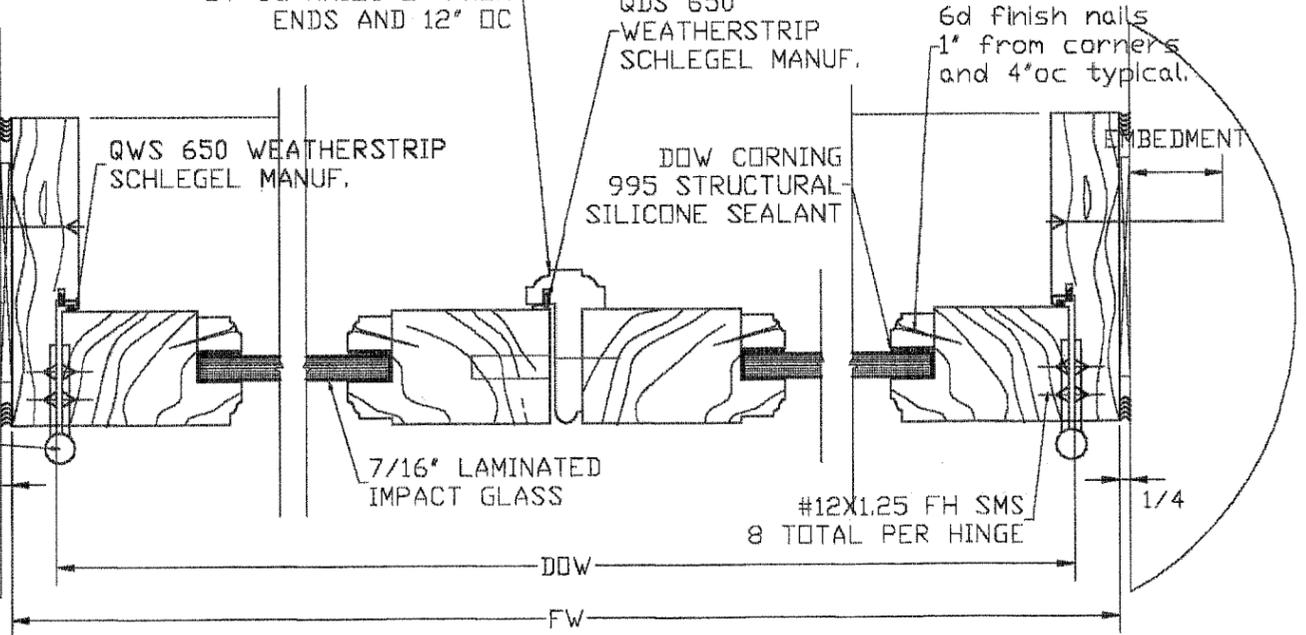
QWS 650  
 WEATHERSTRIP  
 SCHLEGEL MANUF.

DOW CORNING  
 995 STRUCTURAL  
 SILICONE SEALANT

6d Finish nails  
 1" from corners  
 and 4" oc typical.

7/16" LAMINATED  
 IMPACT GLASS

#12X1.25 FH SMS  
 8 TOTAL PER HINGE



APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE MAY 17, 2001  
 BY Shag I. Chanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0103.05

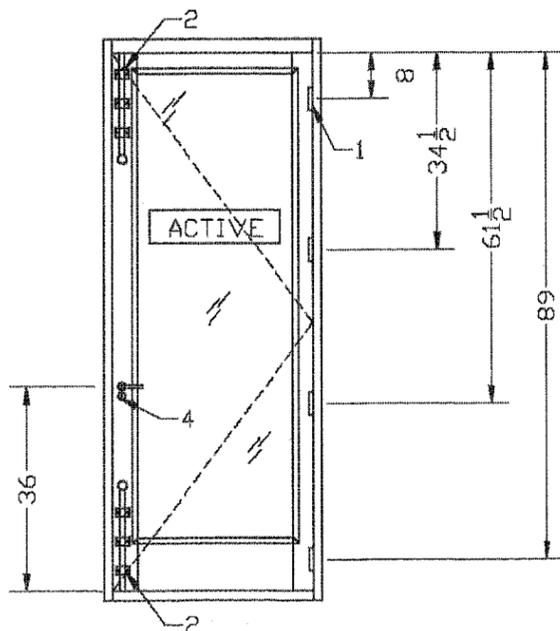
# HARDWARE CONFIGURATION

**#1** 4. 5X4. 5 VON MORRIS 11-4545 BRASS FULL MORTISE HINGES. EACH HINGE IS SECURE BY USING (8) #12 X 1 1/4" FHSMS, (4) AT THE DOOR PANEL AND (4) AT THE FRAMING.

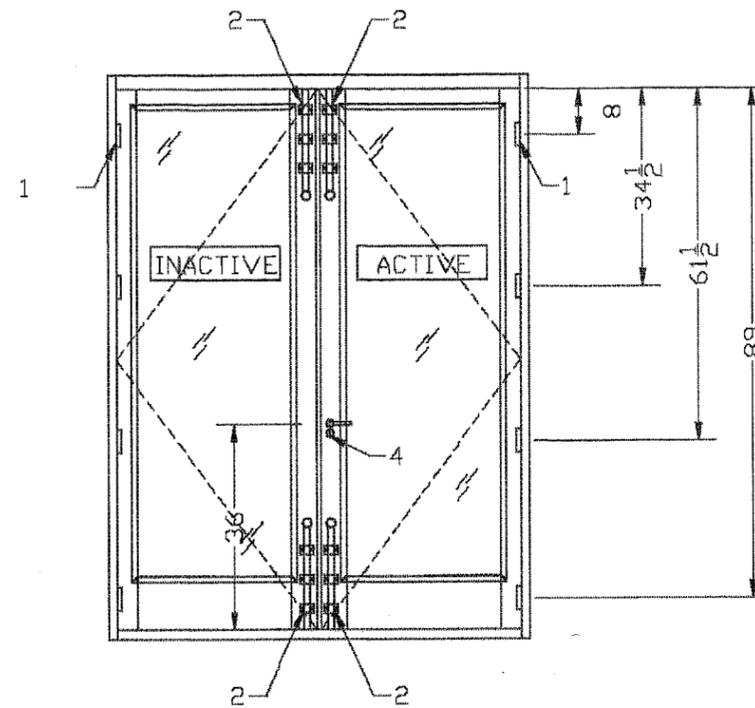
**#2** VON MORRIS MODEL 2118 18" BRASS SURFACE BOLTS (18" LONG) WITH (3) GUIDE PLATES. EACH GUIDE PLATE IS SECURE TO THE DOOR PANEL (ACTIVE AND INACTIVE) BY USING (2) #8X2" PHSMS (TOTAL 6 SCREWS PER HARDWARE). EACH SURFACE BOLT ENGAGED INTO A STRIKE PLATE THAT WAS SECURE TO THE DOOR FRAME WITH (3) #10X2" FHSMS.

**#3** VON MORRIS 2202 EXTENSION BOLT. EACH EXTENSION BOLT IS HELD IN PLACE USING (4) #8X2" FHSMS. THIS HARDWARE WAS INSTALLED ONLY ON SAMPLE 1 OF THE INACTIVE LEAF, REPLACING THE SURFACE BOLT.

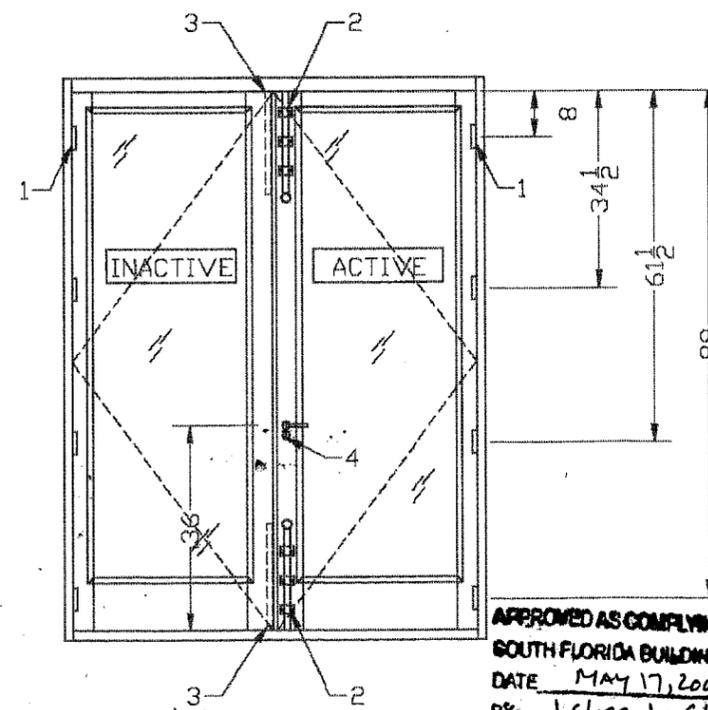
**#4** ACCURATE LOCK AND HARDWARE CO. MODEL 8522 MORTISE (2" BACKSET) LOCK SECURE TO THE ACTIVE LEAF BY (2) #10X1" FHSMS. MORTISE LOCK HAS A DEAD BOLT WITH 1" THROW. THIS LOCK ENGAGES INTO A BRASS STRIKE PLATE SECURED TO THE INACTIVE LEAF BY (2) #12X2" FHSMS.



# HARDWARE SCHEDULE

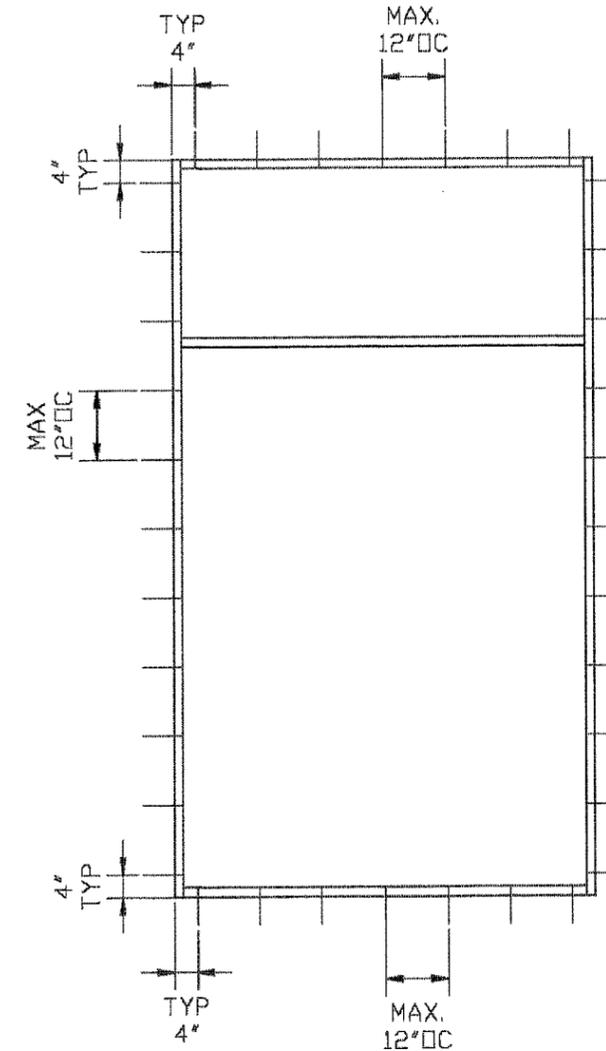


OUTSWING DOORS  
INTERIOR VIEWS



APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE MAY 17, 2001  
BY Ishaq I. Chauda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
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# FRAMING ANCHORAGE



## ANCHORAGE NOTES:

BLOCK: 1/4" Tapcons with 1 1/4" min. embedment  
CONCRETE: 1/4" Tapcons with 1 1/2" min. embedment  
WOOD: #14 SS Wood Screws into 2X (SG=.55) Wood Framing.

Manufacturer:  
**C.W.M.**  
PO Box 134 - GLADWYNE  
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Design by: PPMF

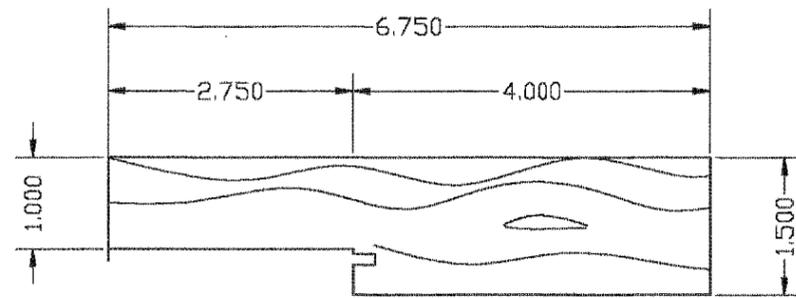
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Original 11/6/00  
#1- 4/17/01

Drawing Number  
196-00

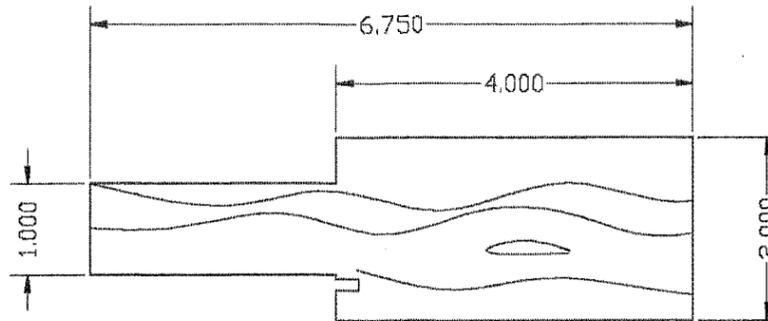
Sheet  
5 of 7

# BASIC WINDOW COMPONENTS

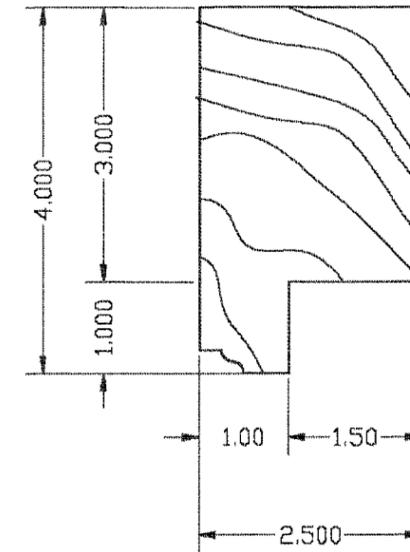
KILN DRIED MAHOGANY WOOD



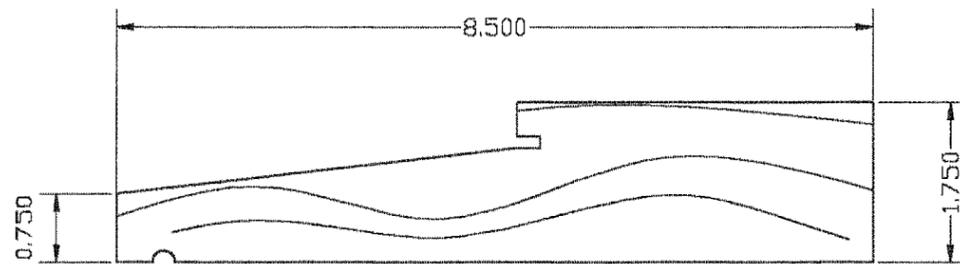
5- HEADER AND JAMB



6- DOOR/TRANSOM HEADER

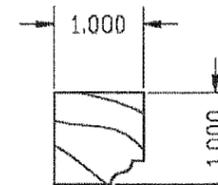


1- TOP RAIL AND VERTICAL STILES

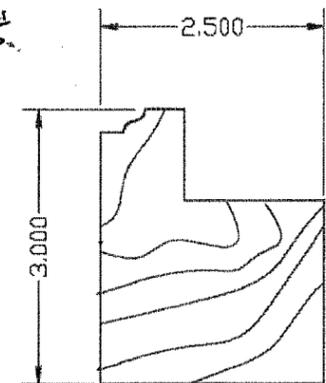


7- DOOR SILL

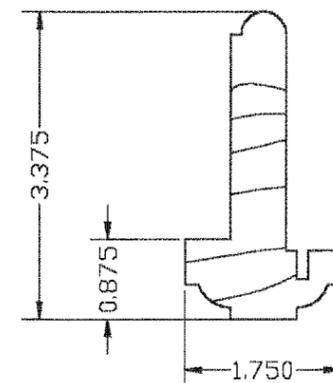
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE MAY 17, 2001  
BY ISHAG J. CHANDY  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0103105



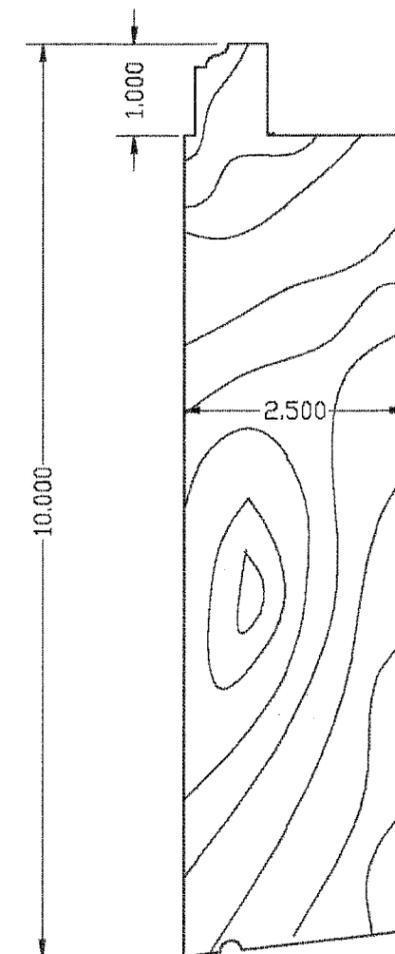
2- GLAZING STOP



8- TRANSOM BOTTOM RAIL



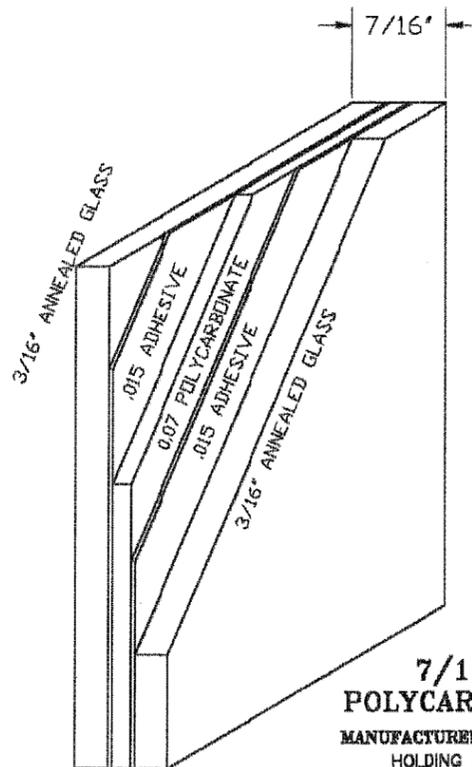
9- STRAGAL



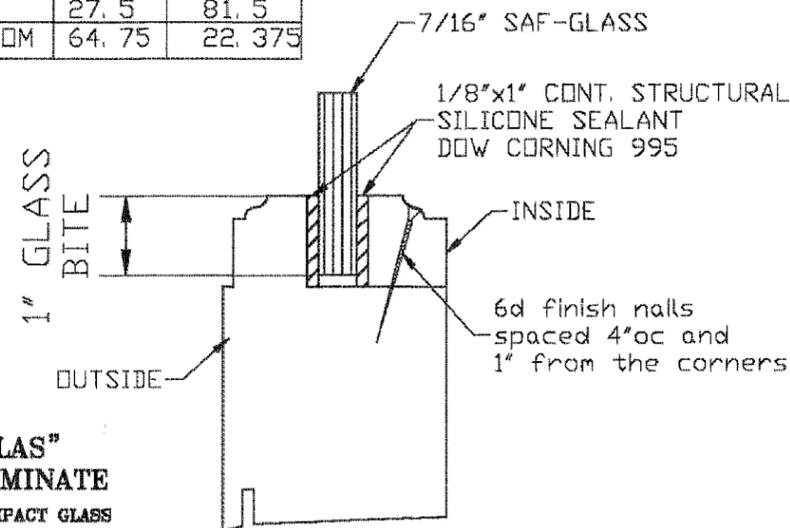
3- BOTTOM RAIL

## GLAZING SPECIFICATIONS

MAXIMUM GLASS DLO		
	WIDTH	HEIGHT
DOOR	27.5	81.5
TRANSOM	64.75	22.375



**7/16" "SAF-GLAS"  
POLYCARBONATE LAMINATE**  
MANUFACTURED BY SECURITY IMPACT GLASS  
HOLDING CURRENT MIAMI DADE NOA



Manufacturers:  
**C.W.M.**

PO Box 134 - GLADWYNE  
PENNSYLVANIA, 19035  
Tel.: (610) 896-3607  
WWW.WOODWINDOWS.COM

Product:  
**Defiance I  
Mahogany  
Outswing Door**

Engineering:  
**EngCo Inc.**

CA 8116  
9957 NW 7th St.  
Plantation, FL 33324  
Tel.: (954) 424-4064

APR 23 2001

Engineer Seal  
Pedro De Figueiredo  
PE 52609

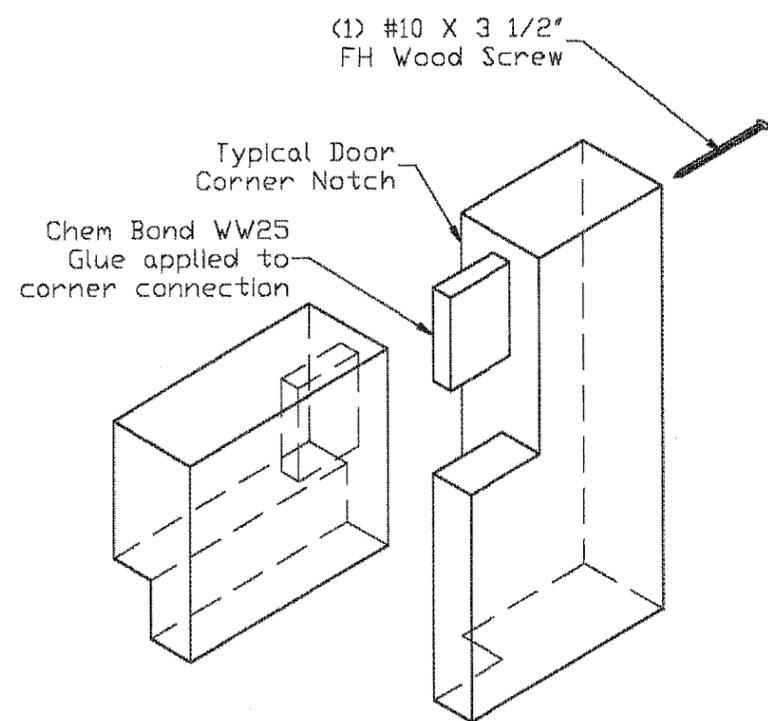
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Scale: 1:32  
Design by: PPMF

Revision:  
Original 11/6/00  
#1- 4/17/01

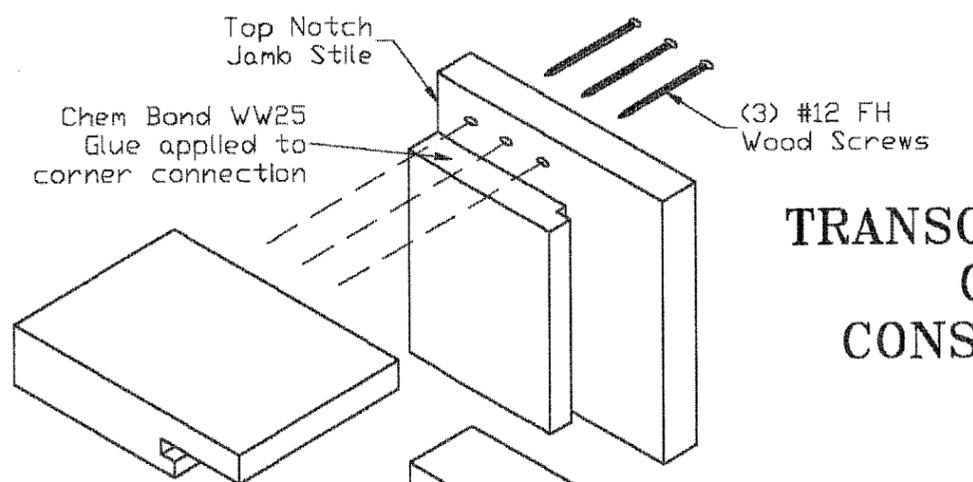
Drawing Number

196-00

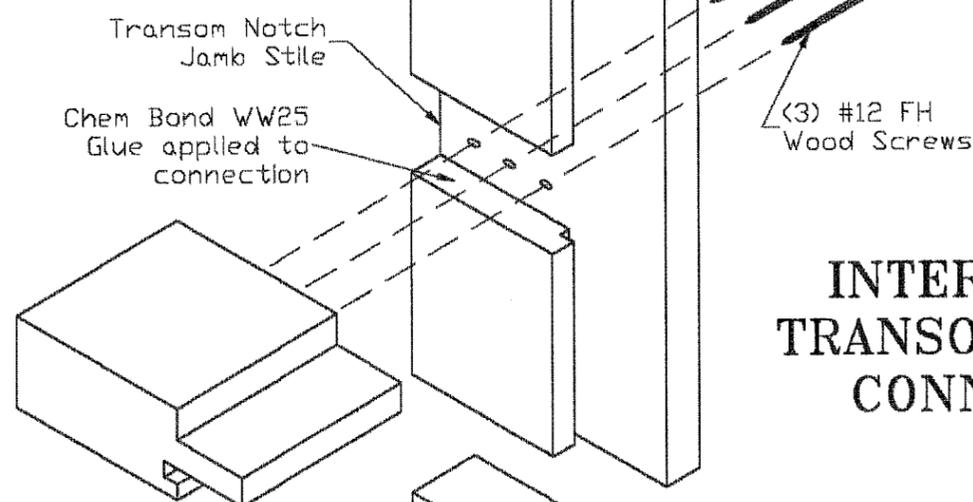
Sheet  
6 of 7



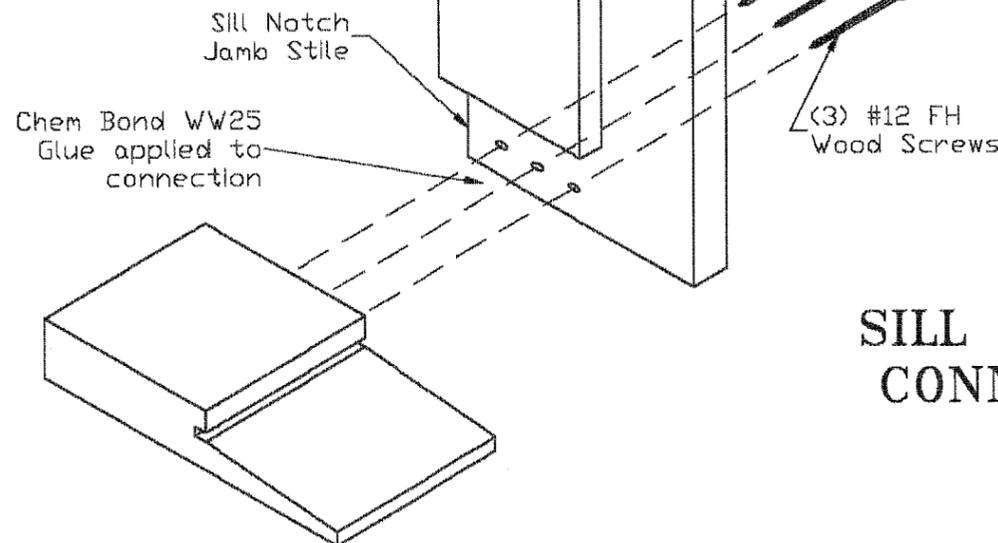
**SASH CORNER CONNECTION**



**TRANSOM FRAMING CORNER CONSTRUCTION**



**INTERMEDIATE TRANSOM HEADER CONNECTION**



**SILL FRAMING CONNECTION**

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE MAY 17, 2001  
 BY Ishaq I. Chanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE No: 01-0103.05

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 7 of 7