



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)

www.buldingcodeonline.com

Hartman Windows and Doors, LLC
531 Southern Boulevard
West Palm Beach, FL 33405

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

APPROVAL DOCUMENT: Drawing No. W-1, titled "Mulled Mahogany Casement Window", sheets 1 through 7 of 7, dated 02/26/2001, revised on 7/2004, prepared by Sinclair Engineering, signed and sealed by Stephen M. Sinclair, 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.

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 NOA # 04-0426.01 and 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 06-0517.06
Expiration Date: March 26, 2007
Approval Date: July 06, 2006
Page 1

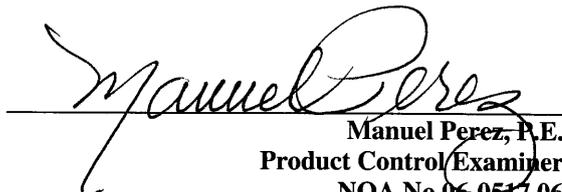
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W-1**, Sheets 1 through 7 of 7, titled "Mulled Mahogany Casement", dated 02/26/2001, revised on 7/2004, prepared by Sinclair Engineering, signed and sealed by Stephen M. Sinclair, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of mulled wood casement windows with 5/8" "Safety Plus" laminated glass by Glasslam, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-97-1093**, dated 03/13/97, signed and sealed by Hector M. Marshall, P.E.
(Submitted under previous approval #97-0903.03)
2. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of mulled wood casement windows with 7/16" "Wind-Pane Series CT" laminated glass by Globe Amerada, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0137-0402-98**, dated 04/13/98, signed and sealed by Timothy S. Marshall, P.E.
(Submitted for revision of NOA #97-0903.03, under previous file #00-0225.01)
3. Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of single wood casement windows with 7/16" "Safety Plus" laminated glass, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0137-0606-97**, dated 06/09/97, signed and sealed by Timothy S. Marshall, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0517.06
Expiration Date: March 26, 2007
Approval Date: July 06, 2006

Hartman Windows and Doors, LLC

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C. CALCULATIONS

1. Anchor calculations prepared by Sinclair Engineering Company, on 02/23/2001, sheets 1 through 3, signed and sealed by Stephen M. Sinclair, P.E.
2. Anchor calculations for Wood Casement Window prepared by Robert J. Kraft P.E. dated 01/14/98 and signed and sealed by Robert J. Kraft P. E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

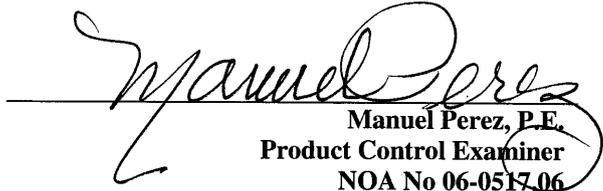
1. Notice of Acceptance No. **97-0527.04** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 09/09/97, expiring on 09/09/00.
2. Notice of Acceptance No. **97-1224.07** issued to Solutia Inc. for "Polyvinyl Butyral Interlayer Saflex" dated 06/25/98, expiring on 01/09/00.

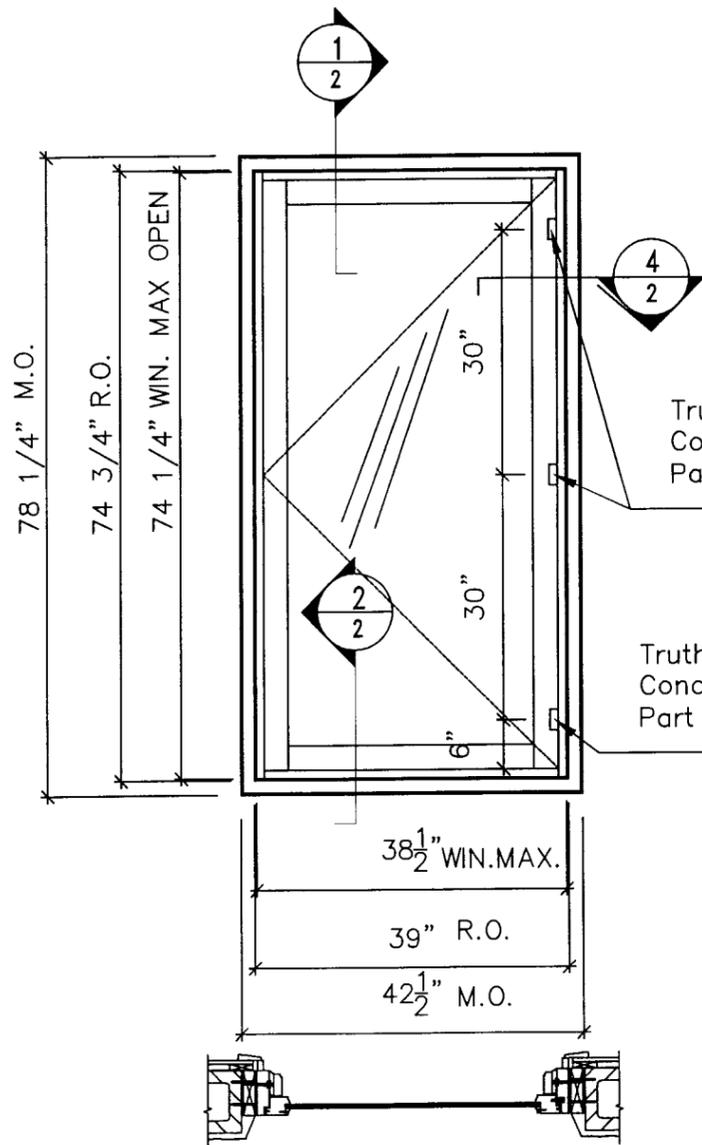
F. STATEMENTS

1. Letter by *Hartman Windows and Doors, LLC*, dated May 17, 2006 requesting a renewal of NOA #04-0426.01, signed by Richard Laurito, Project Manager.
2. Letter by BCCO and *Hartman Windows and Doors, LLC*, with offer/request of a one year renewal signed by Jaime Gascon, P.E. on 5/15/06 and signed by Richard Laurito, on 5/18/06.
3. Letter by Sinclair Engineering Company, dated May 16, 2006 stating what the revision consists of an updated sheet 3 of the set of drawing W-1, signed and sealed by Stephen M. Sinclair, P.E.
4. Letter from Fenestration Testing Laboratory, Inc., dated May 16, 2006, stating that *Hartman Windows and Doors, LLC* has contracted the lab to test their Wood Casement Windows Muller Together in September, 2006, signed by Leigh B. Sanchez.

G. OTHER

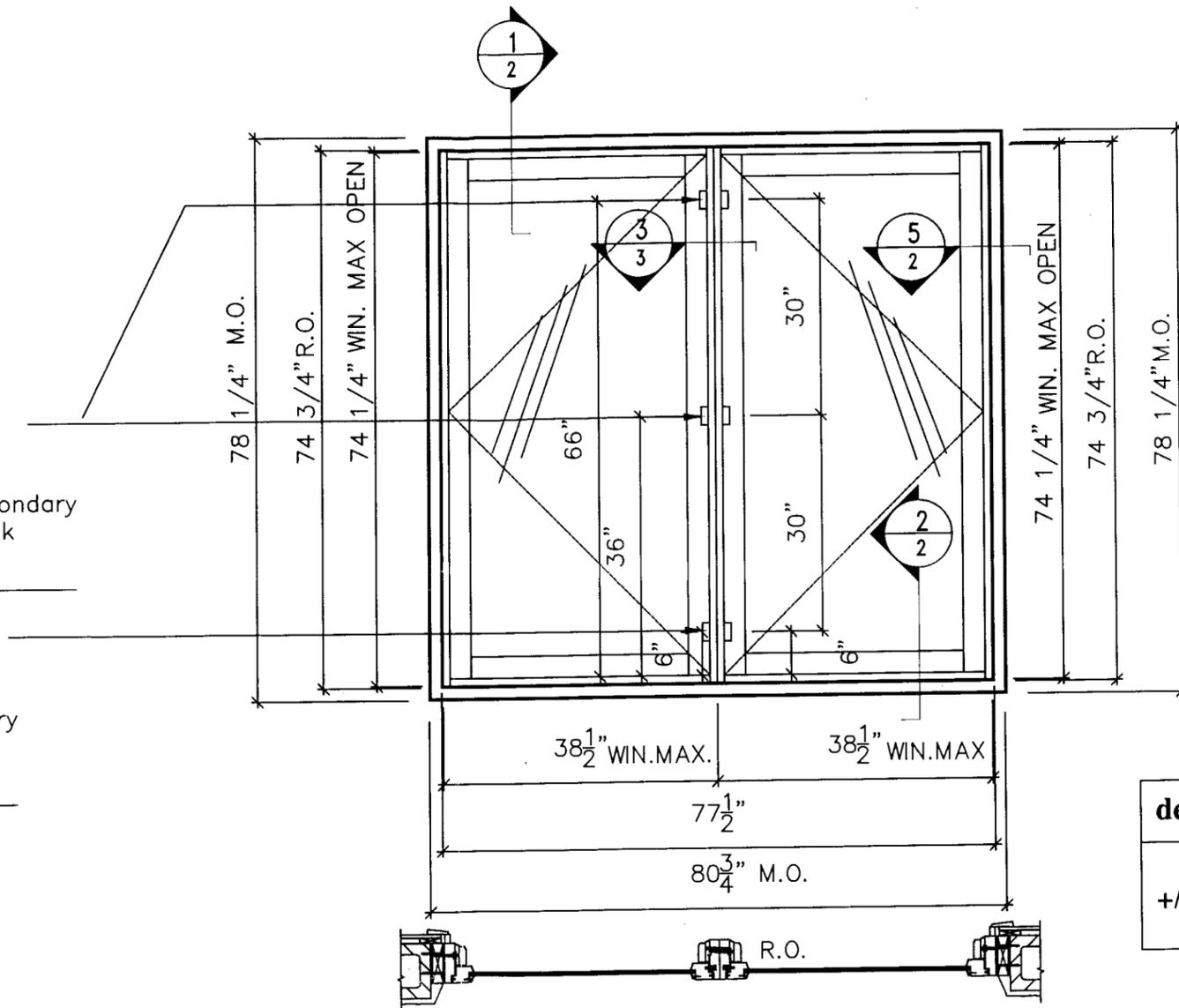
1. Notice of Acceptance No. **04-0426.01**, issued to Hartman Windows and Doors, LLC. for their "Mahogany" Outswing Wood Casement Window – Impact Resistant, approved on 07/08/04 and expiring on 03/26/06.


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0517.06
Expiration Date: March 26, 2007
Approval Date: July 06, 2006



1 SINGLE CASEMENT WINDOW
scale: 1/2" = 1'-0"

NOTE: FOR OTHER APPROVED CONFIGURATIONS
SEE SHEET NUMBER 6 OF 7



2 DOUBLE CASEMENT WINDOW
scale: 1/2" = 1'-0"

design pressure rating
+/- 90 PSF

FOR OFFICIAL USE ONLY

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-0517.06
Expiration Date MARCH 26, 2007
By Stephen M. Sinclair
Miami Dade Product Control
Division

Stephen M. Sinclair

Stephen M. Sinclair, P. E.
FL Lic. No. 35631

Job# 03-03002

JUN 20 2006

Mulled Mahogany Casement
WINDOW ELEVATION
HARTMAN WINDOWS AND DOORS, LLC
531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405
PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com

SINCLAIR ENGINEERING
8259 north Military Trail
PBC, FL 33418
TEL: (561) 630-5488
COA # 5426

DRAWN
VSO
REVISION
renewal 5/15/06
name change 7/2004
DATE
02-26-2001
SCALE
1/2" = 1'0"
SHEET
W - 1
1 OF 7 SHEETS

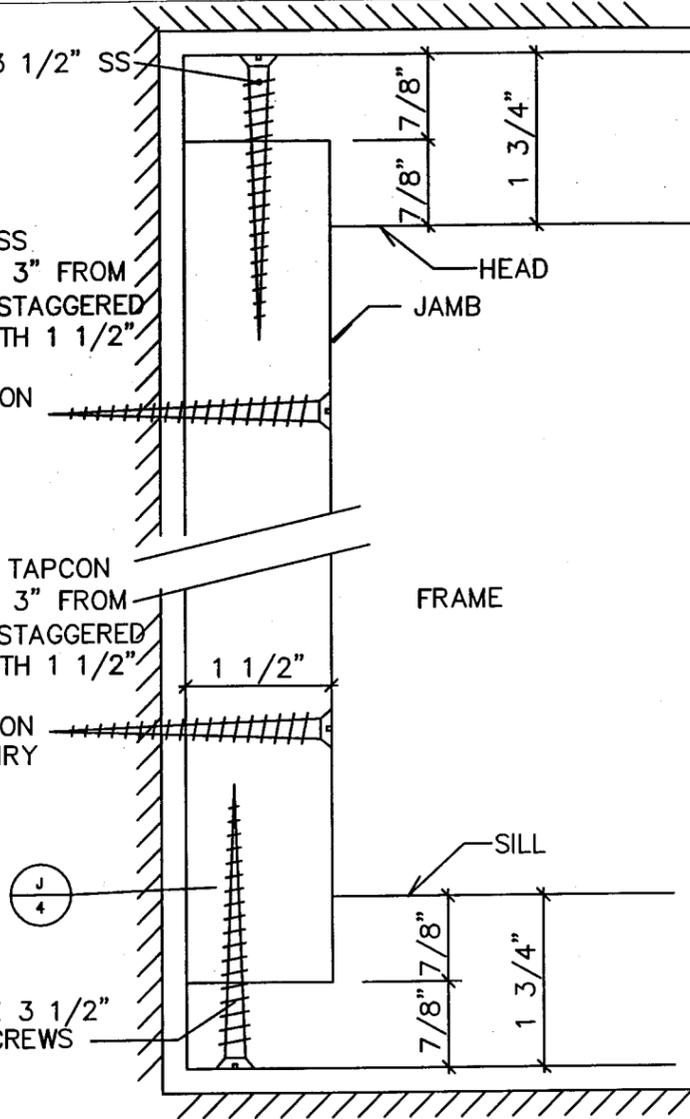
(3)#12 X 3 1/2" SS

ANCHORS
#12 X 4" SS
SCREW AT 3" FROM
END AND STAGGERED
8" O.C. WITH 1 1/2"
MINIMUM
PENETRATION
ON WOOD

3/16" ITW TAPCON
SCREW AT 3" FROM
END AND STAGGERED
8" O.C. WITH 1 1/2"
MINIMUM
PENETRATION
ON MASONRY

(3) #12 X 3 1/2"
SS WD. SCREWS

7 CORNER DETAILS
SCALE: HALF FULL



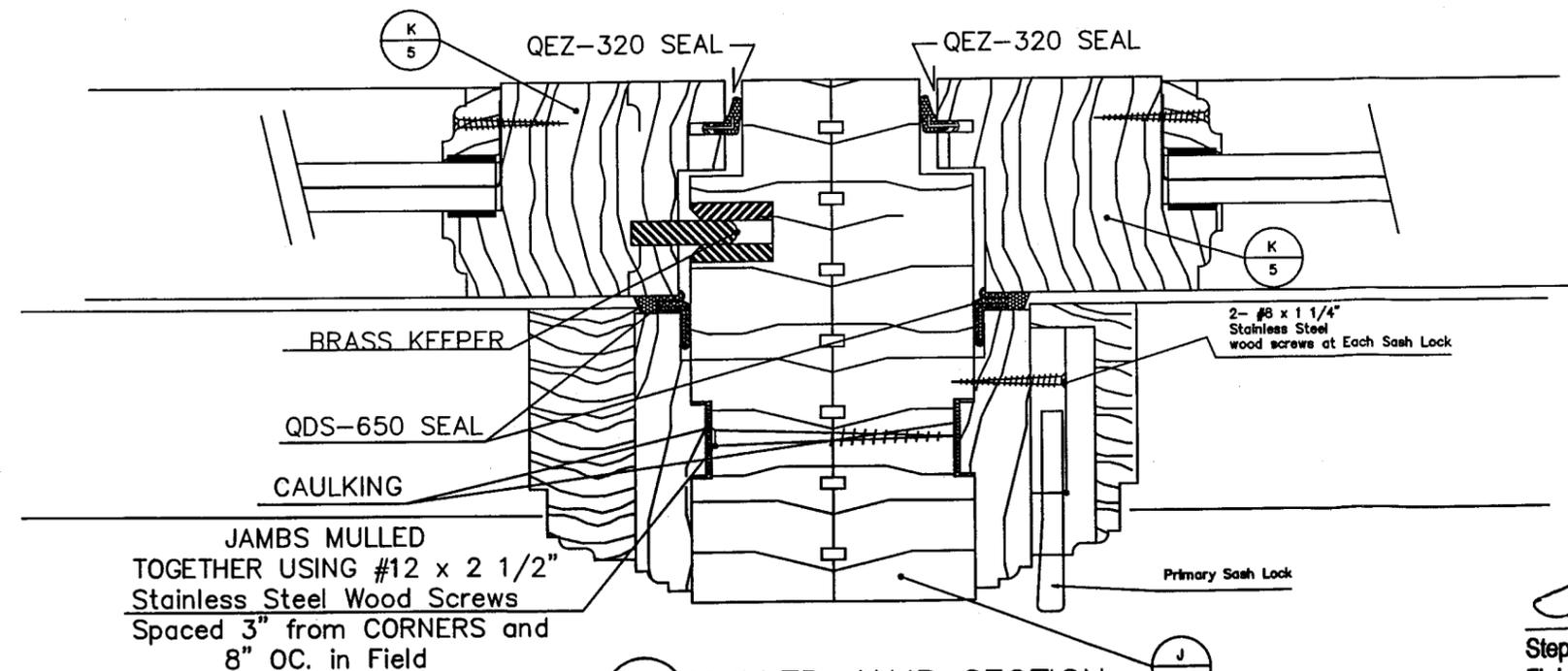
GENERAL NOTES

- CASEMENT WINDOW HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 2004 EDITION
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7-02 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
- THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR IMPACT. CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAS 201, 202 ,203 WITH DESIGN LOADS AS FOLLOWS:
 - POSITIVE DESIGN LOAD 90 PSF
 - NEGATIVE DESIGN LOAD 90 PSF
 THE DADE COUNTY CERTIFIED TESTING LABORATORY PERFORMING THE TESTS ACKNOWLEDGED THE SATISFACTORY COMPLETION OF SUCH TESTS AND VERIFIED THE PRODUCTS TESTED ARE AS NOTED HEREIN.
- ANCHORS SHALL BE INSTALLED AS FOLLOWS:
 - WOOD STRUCTURE - USE ONLY
 - #12 X 4" LG. STAINLESS STEEL SCREW
 - 8" O.C. BEGIN 1ST SCREW WITHIN 3" OF TOP AND BOTTOM (MIN. PENETRATION 1 1/2")
 - SYP WOOD - 176 LB TENSION
 - CONCRETE OR BLOCK STRUCTURE -
 - 3/16" TAPCON CONCRETE SCREW
 - 8" O.C. BEGIN 1ST SCREW WITHIN 3" OF TOP AND BOTTOM (MIN. PENETRATION 1 1/2")
 - CONCRETE BLOCK - 170 LB. TENSION/SHEAR
 - CONCRETE - 218 LB. TENSION/SHEAR
- THE WINDOWS ARE TESTED WITH "Safety-Plus" BY GLASSLAM, N.G.I., Inc. NOTICE OF ACCEPTANCE: 03-0916.03 DADE COUNTY FLORIDA-EXPIRES 09/09/2008 0.505 LAMINATED GLASS CONSISTING OF THE FOLLOWING:
 - 2 LAYER OF 3/16" TEMPERED OR ANNEALED GLASS
 - 2 LAYERS OF .060 RESIN
 - 1 CENTER LAYER OF 0.010 PET FILM
 OR THE WINDOWS ARE TESTED WITH "Wind-Pane Series CT" BY Globe Amerada Glass Co., NOTICE OF ACCEPTANCE 06-0216.06 DADE COUNTY FLORIDA - EXPIRES 05/21/2011 0.465 LAMINATED GLASS CONSISTING OF :
 - 2 LAYERS OF 3/16" TEMPERED OR ANNEALED GLASS
 - 1 LAYERS OF .090 SAFLEX - 1116
- THE WINDOWS are tested with 1/2" MIN. Glass Bite Typical all sides.

MAHOGANY-CASEMENT
HARTMAN WINDOWS AND DOORS, LLC

531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405
PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com

SINCLAIR ENGINEERING
8259 North Military Trail
PBG, FL 33418
TEL. (561) 630-5488
COA # 5426



3 MULLED JAMB SECTION
SCALE: HALF FULL

FOR OFFICIAL USE ONLY

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **06-0517.06**
Expiration Date **MARCH 26, 2007**
By *Mauro Seruz*
Manufacturer Product Control
Division

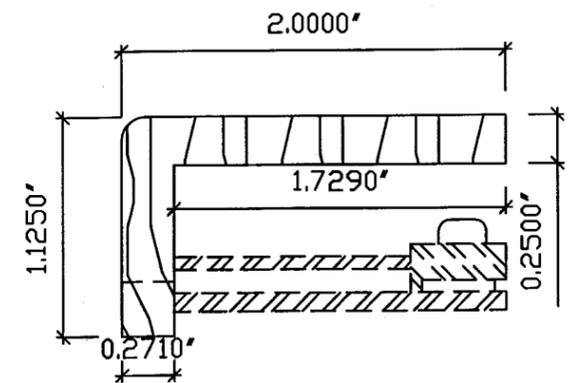
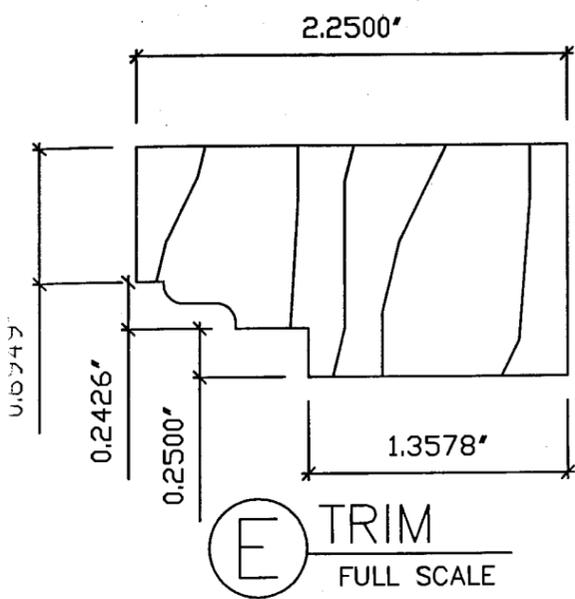
Stephen M. Sinclair
Stephen M. Sinclair, P. E.
FL Lic. No. 35631

Job# 03-03002

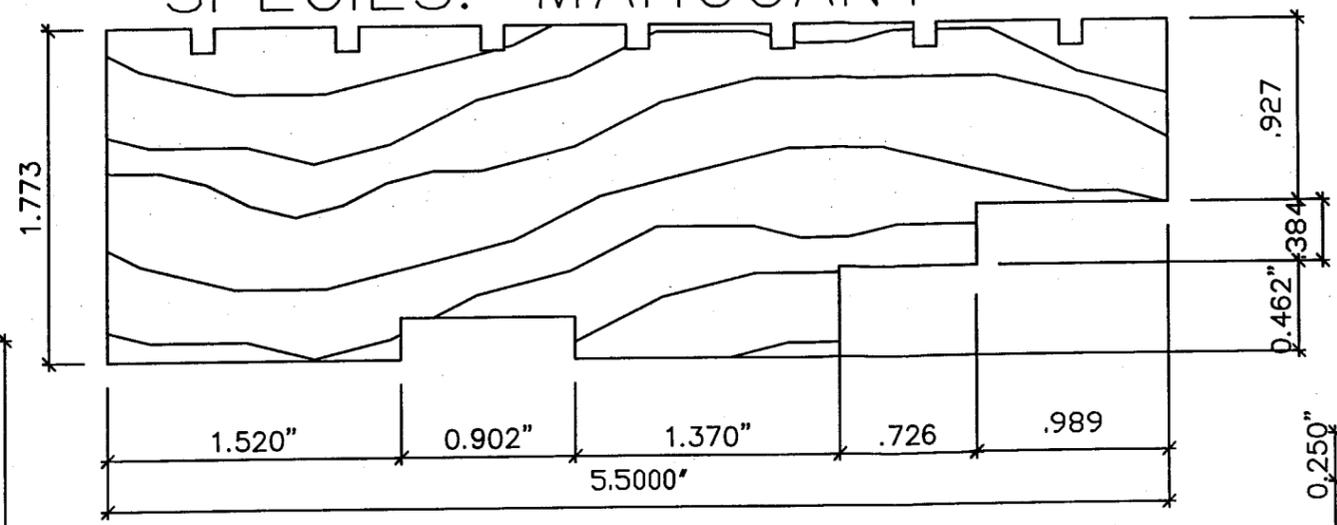
JUN 20 2006

DRAWN DWS
REVISION renewal 5/15/06 name change 7/2004
DATE 2-26-2001
SCALE HALF-SCALE
JOB NO.
SHEET W-1
3 OF 7 SHEETS

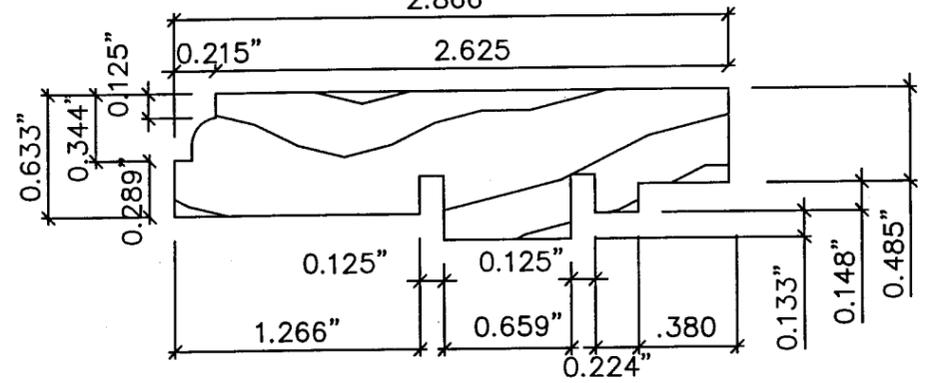
SPECIES: MAHOGANY



D TRIM COVER
FULL SCALE

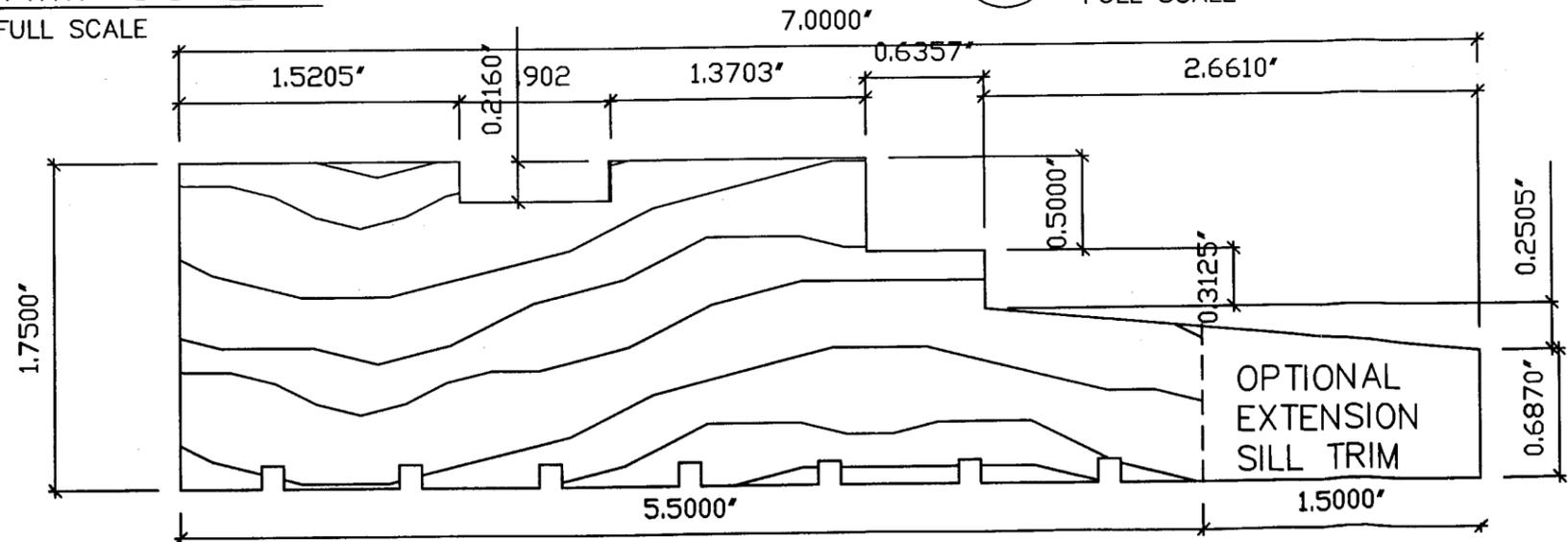


H HEAD
FULL SCALE

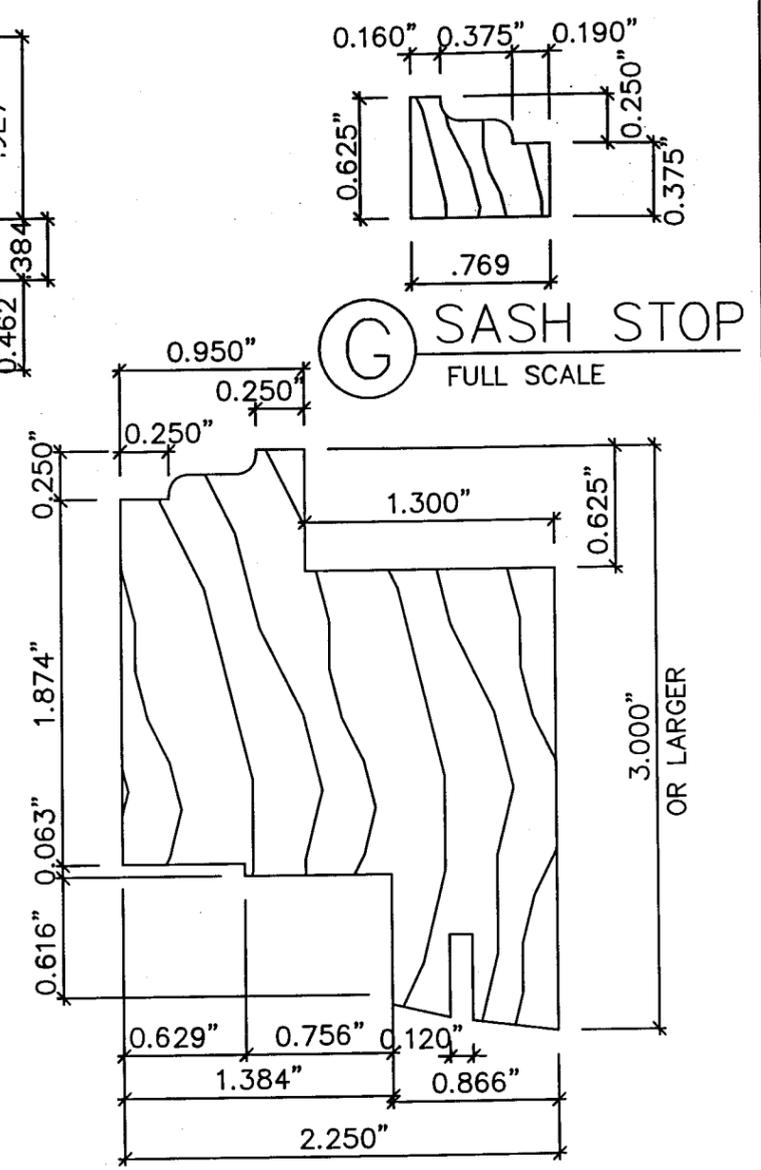


C STOP
FULL SCALE

S SILL
FULL SCALE



OPTIONAL
EXTENSION
SILL TRIM



B SASH SILL
FULL SCALE

G SASH STOP
FULL SCALE

FOR OFFICIAL USE ONLY

Stephen M. Sinclair
Stephen M. Sinclair, P. E.
FL Lic. No. 35631

JUN 20 2006 Job# 03-03002

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-0517.06
Expiration Date MARCH 26, 2007
By *Manuel Perez*
Miami Code Product Control
Division

DRAWN DWS
REVISION renewal 5/15/06 name change 7/2004
DATE 02-26-2001
SCALE HALF SHEET

W-1

4 OF 7 SHEETS

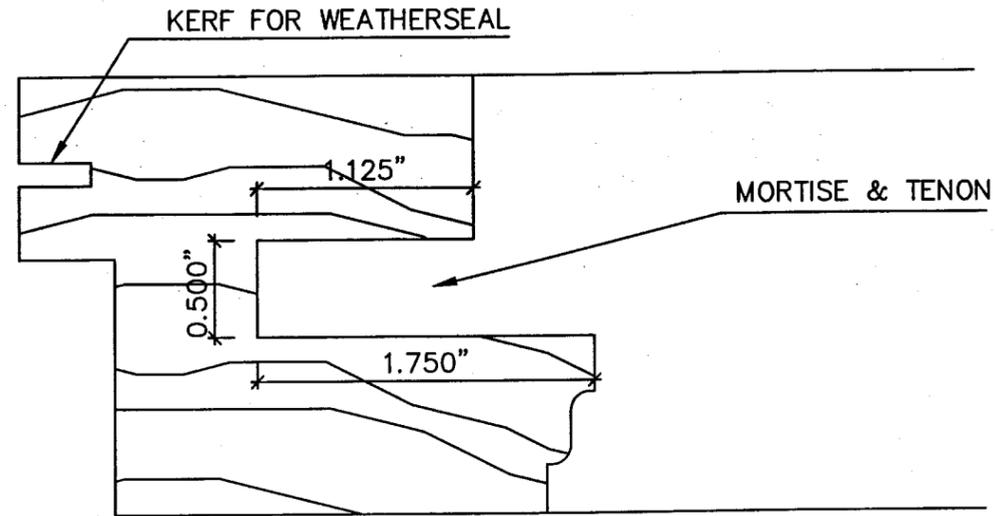
FULL SCALE CASEMENT WINDOW PROFILES

SINCLAIR ENGINEERING
8259 North Military Trail
PBG, FL 33418
TEL: (561) 630-5488
COA # 5426

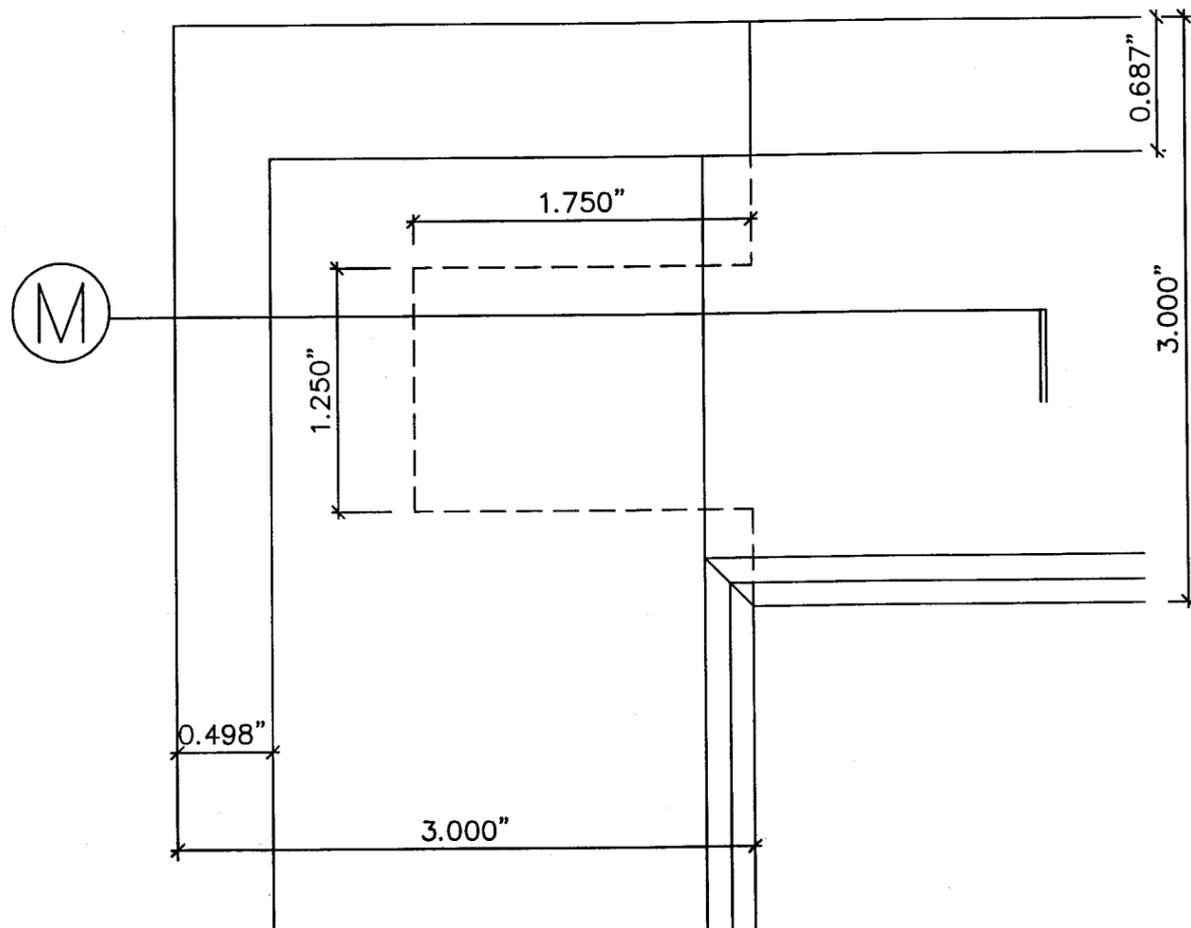
HARTMAN WINDOWS AND DOORS, LLC

531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405
PHONE 561-296-9600 FAX 561-296-9601 WWW.hartmanwindows.com

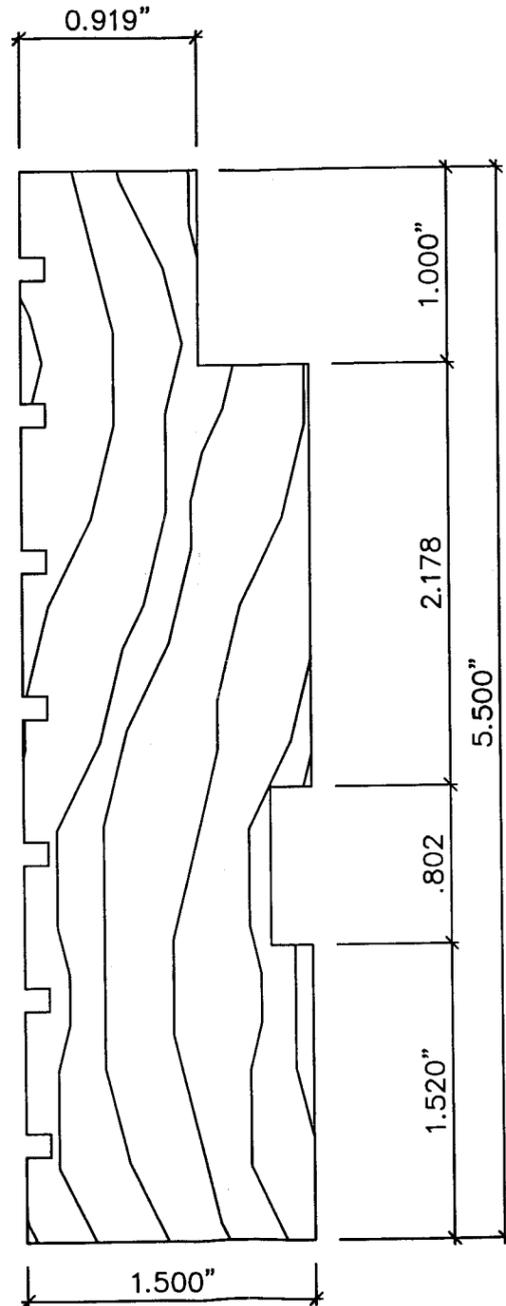
SPECIES: MAHOGANY



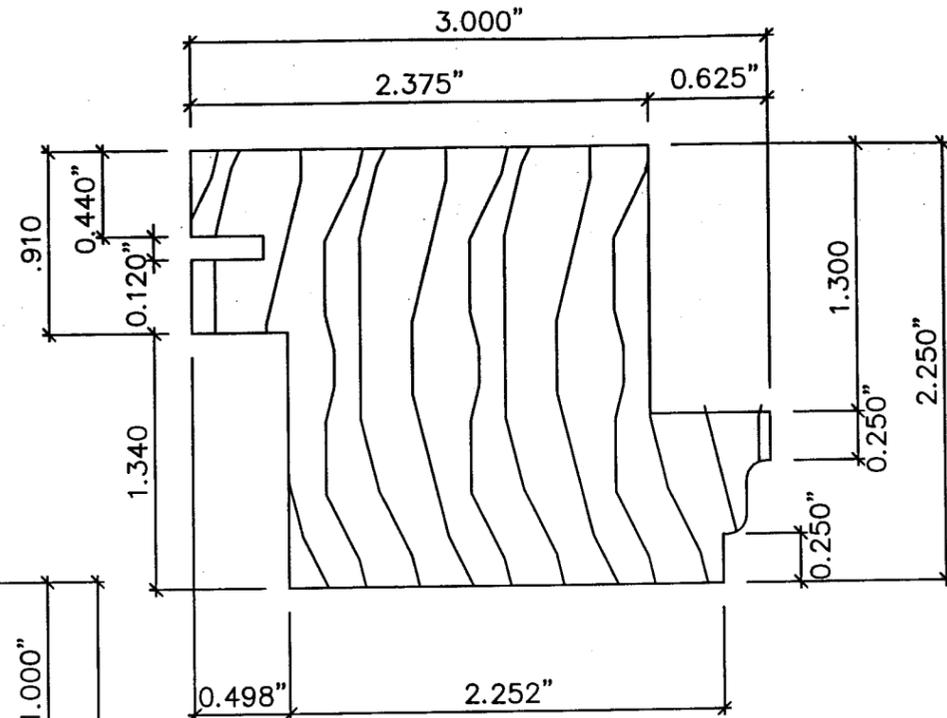
M SASH SECTION
FULL SCALE



N SASH DETAIL
FULL SCALE



J JAMB
FULL SCALE



K SASH STILE
FULL SCALE

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By Manuel Sora
Miami Dade Product Control
Division

Stephen M. Sinclair
Stephen M. Sinclair, P. E.
FL Lic. No. 35631
JUN 20 2006 Job# 03-03002

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DRAWN
DWS

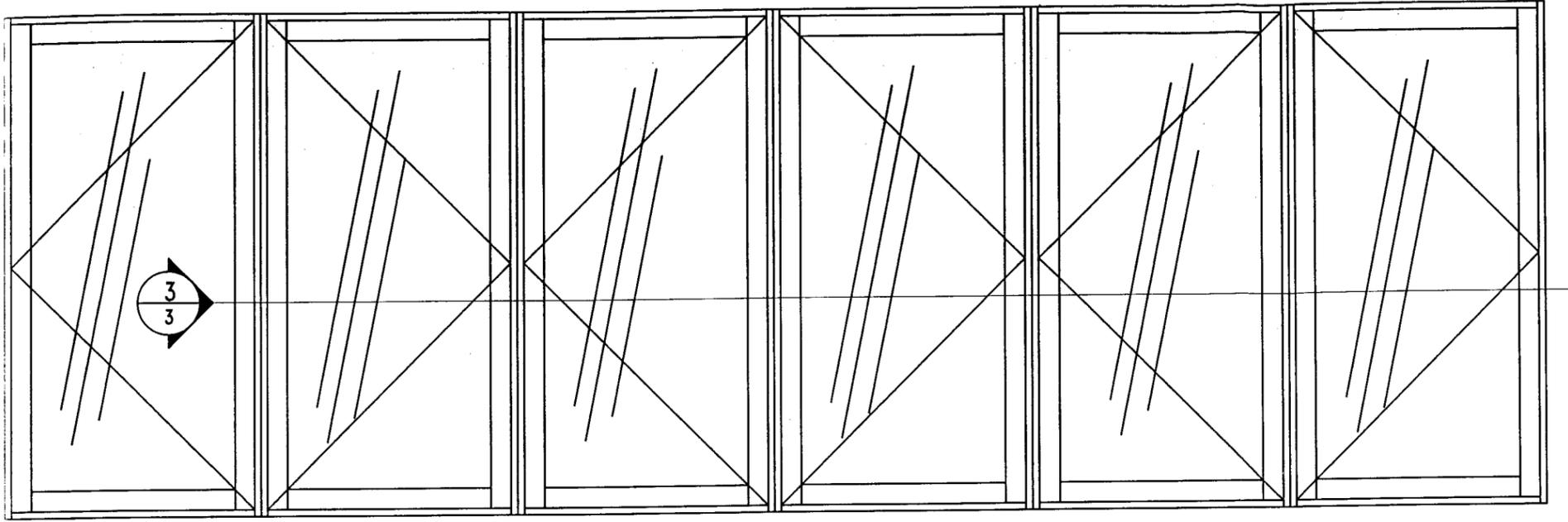
REVISION
renewal 5/15/06
name change 7/2004

DATE
02-26-2001

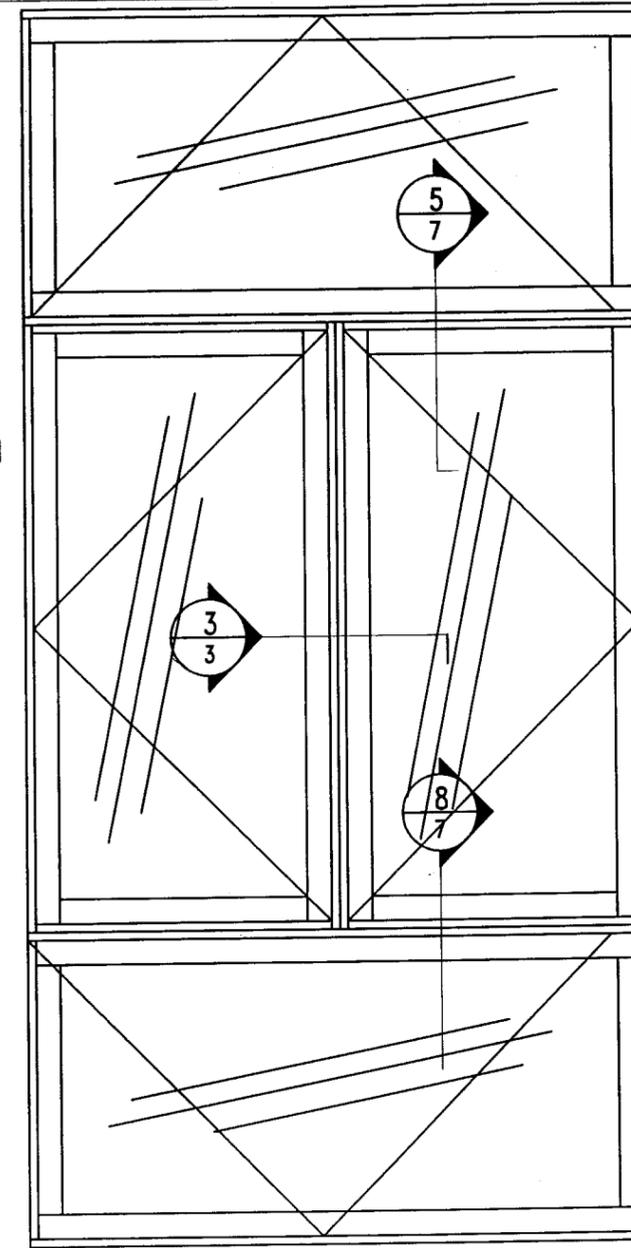
SCALE
HALF
SHEET

W-1

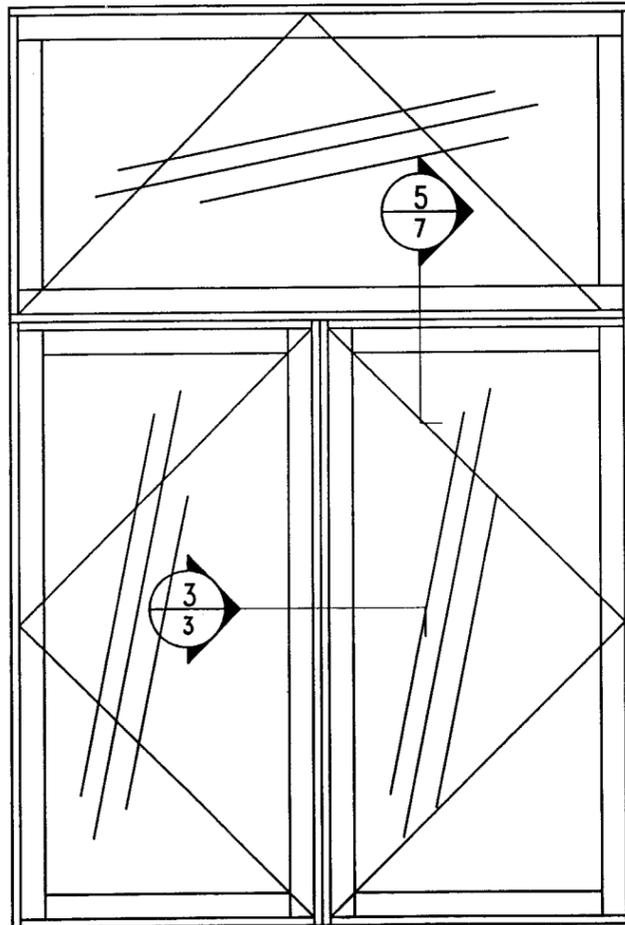
5 OF 7 SHEETS



SIX UNIT COMBINATION



FOUR UNIT COMBINATION



THREE UNIT COMBINATION

MAXIMUM SINGLE UNIT SIZE 38 1/2" x 74 1/4"
SPECIES: MAHOGANY

Mulled Mahogany Casement
ALTERNATIVE COMBINATIONS
HARTMAN WINDOWS AND DOORS, LLC

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WWW.HARTMANWINDOWS.COM

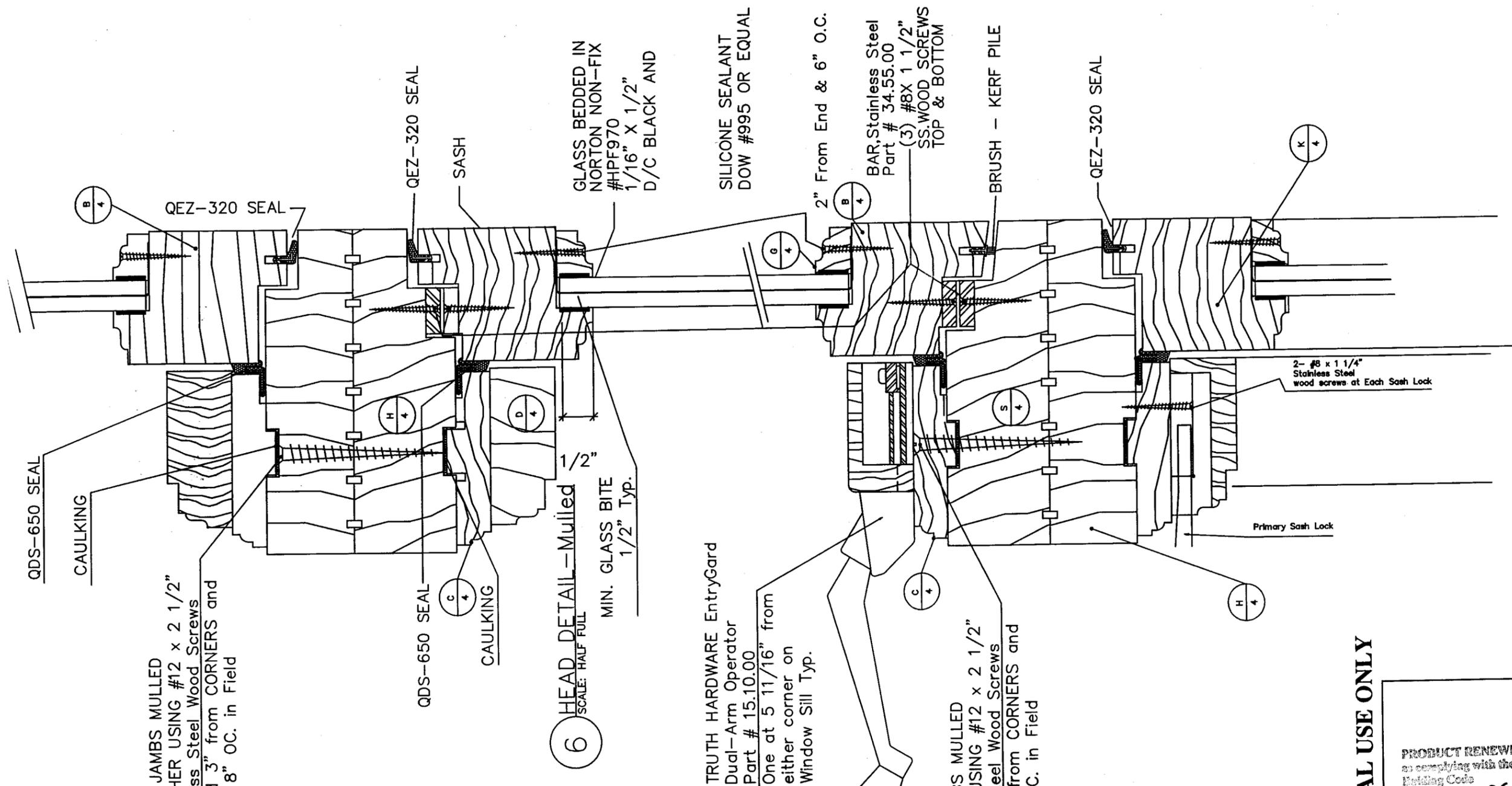
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By *Manuel Perez*
Miami Code Product Control
Division

DRAWN <i>W/S</i>
REVISION renewal 5/15/06 name change 7/2004
DATE 02-26-2001
SCALE 1/2" = 1'0"
SHEET W - 1 6 of 7 SHEETS

Stephen M. Sinclair
Stephen M. Sinclair, P. E.
FL Lic. No. 35631
JUN 20 2006

Job# 03-03002



JAMBS MULLED TOGETHER USING #12 x 2 1/2" Stainless Steel Wood Screws Spaced 3" from CORNERS and 8" OC. in Field

6 HEAD DETAIL - Muller
SCALE: HALF FULL
MIN. GLASS BITE 1/2" Typ.

TRUTH HARDWARE EntryGard Dual-Arm Operator Part # 15.10.00 One at 5 11/16" from either corner on Window Sill Typ.

JAMBS MULLED TOGETHER USING #12 x 2 1/2" Stainless Steel Wood Screws Spaced 3" from CORNERS and 8" OC. in Field

8 SILL DETAIL - Muller

Stephen M. Sinclair, P. E.
FL Lic. No. 35631
Job# 03-03002
JUN 20 2006

FOR OFFICIAL USE ONLY

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Acceptance No. 06-0517.06
Expiration Date MARCH 26, 2007
By *Manuel Lopez*
Miami Date Product Control Division

DRAWN DWS
REVISION renewal 5/15/06 name change 7/2004
DATE 02-08-2001
SCALE HALF FULL
SHEET W - 1
7 OF 7 SHEETS

SINCLAIR ENGINEERING
8259 North Military Trail
PBG, FL 33418
TEL. (561) 630-5488
COA # 5426

TITLE

HARTMAN WINDOWS AND DOORS, LLC

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