



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](http://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 # 06-0517.06** 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. 07-0321.01  
Expiration Date: March 26, 2008  
Approval Date: May 31, 2007  
Page 1

Hartman Windows and Doors, LLC

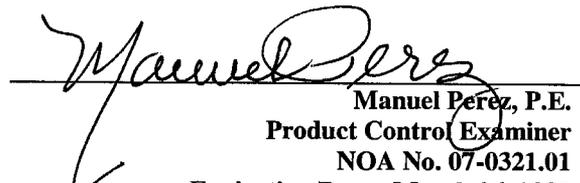
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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 202-94along 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 202-94along 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 203-94along 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.  
*(Submitted for revision of NOA #97-0903.03, under previous file #00-0225.01)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-0321.01  
Expiration Date: March 26, 2008  
Approval Date: May 31, 2007

**Hartman Windows and Doors, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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. **03-0916.02** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 10/23/03, expiring on 09/09/08.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for "Saflex HP a polyvinyl butryal interlayer for lamination of glass" dated 05/22/03, expiring on 04/14/08.

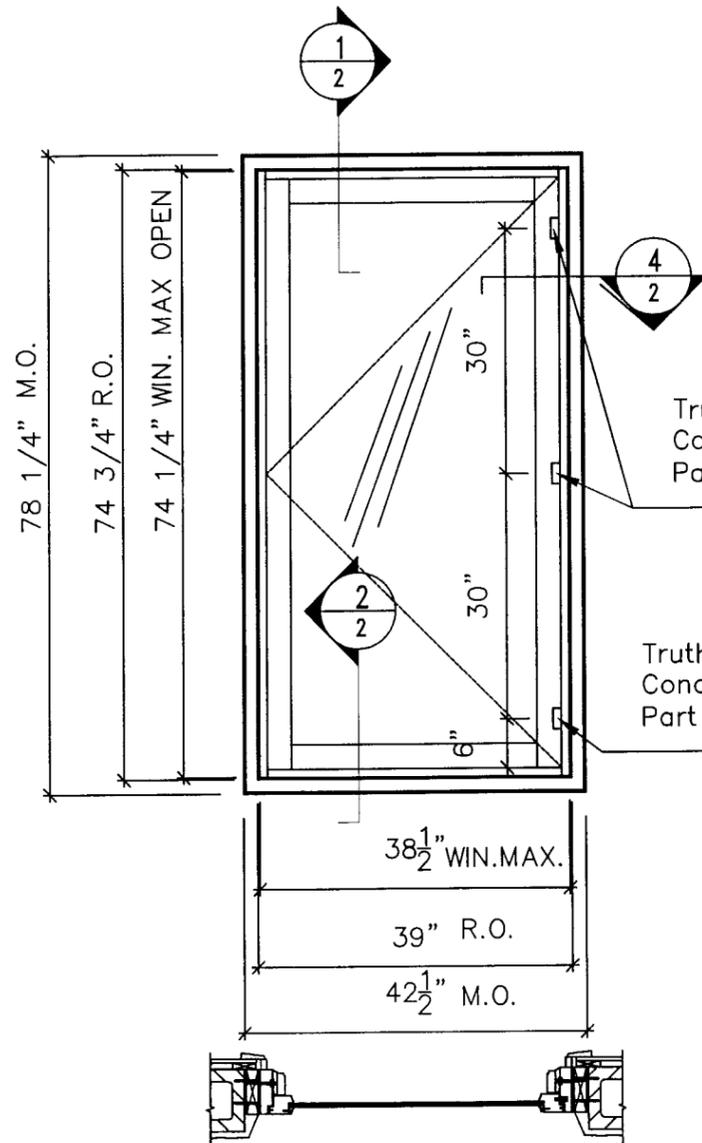
**F. STATEMENTS**

1. Letter by *Hartman Windows and Doors, LLC*, dated March 12, 2007 requesting a renewal of NOA #06-0517.06, signed by Clifford Hartman and Jaime Gascon.
2. Letter from Fenestration Testing Laboratory, Inc., dated May 11, 2007, stating that *Hartman Windows and Doors, LLC* has contracted the lab to test their Wood Casement Windows Muller Together in June to August, 2007, signed by Leigh B. Sanchez.

**G. OTHER**

1. Notice of Acceptance No. **06-0517.06**, issued to Hartman Windows and Doors, LLC. for their "Mahogany" Outswing Wood Casement Window – L.M.I., approved on 07/08/06 and expiring on 03/26/07.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-0321.01  
Expiration Date: March 26, 2008  
Approval Date: May 31, 2007

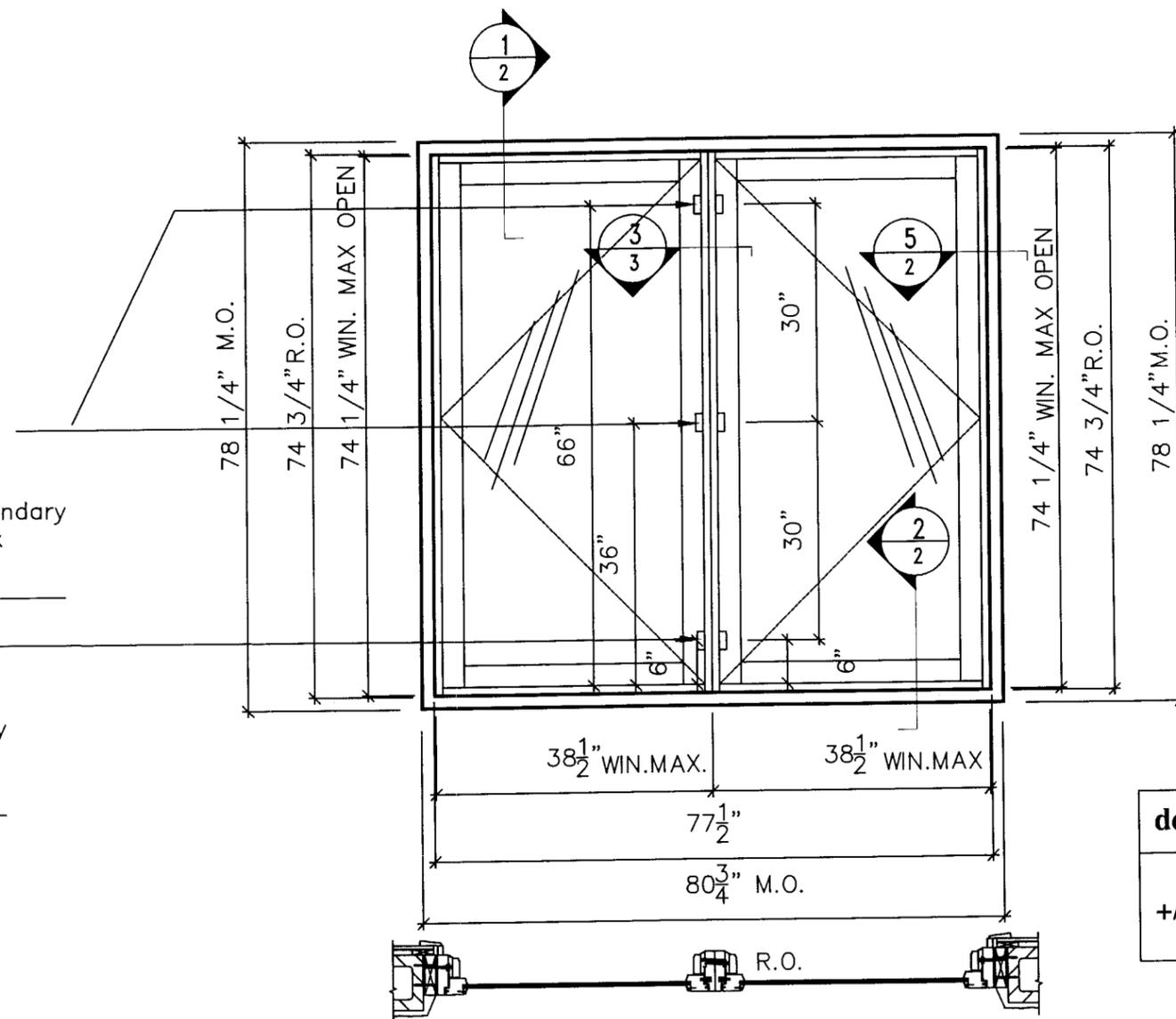


**1** SINGLE CASEMENT WINDOW  
scale: 1/2" = 1'-0"

Truth Hardware Secondary  
Concealed Sash Lock  
Part # 16.34.00

Truth Hardware Primary  
Concealed Sash Lock  
Part # 16.33.03

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. 07-0321-01  
Expiration Date MARCH 26, 2008  
By *Manuel...*  
Miami Trade Product Control  
Division

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

*Stephen M. Sinclair*

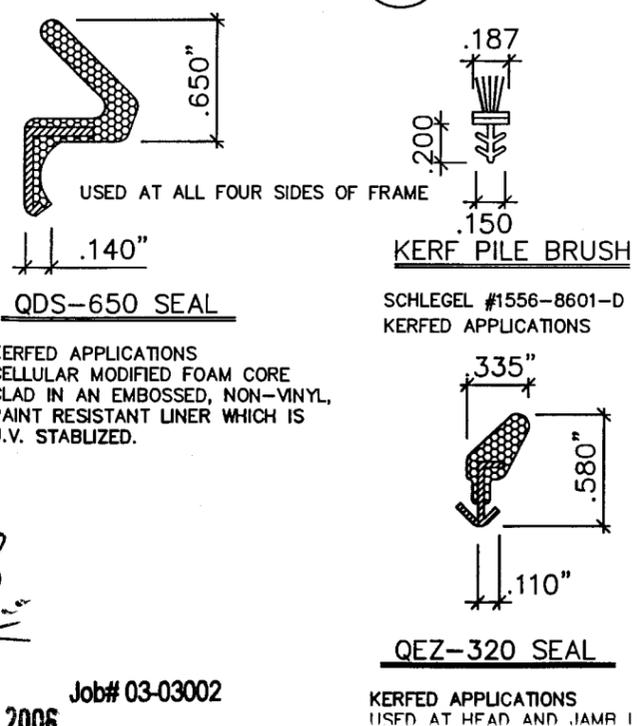
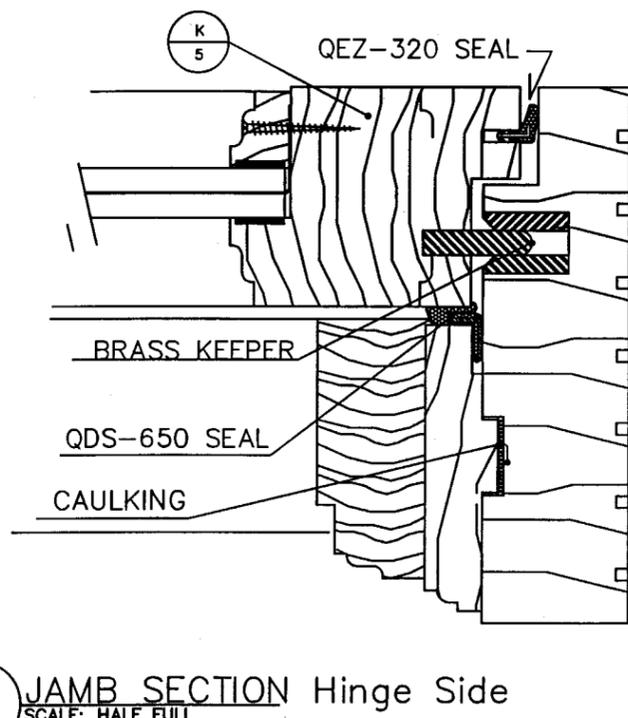
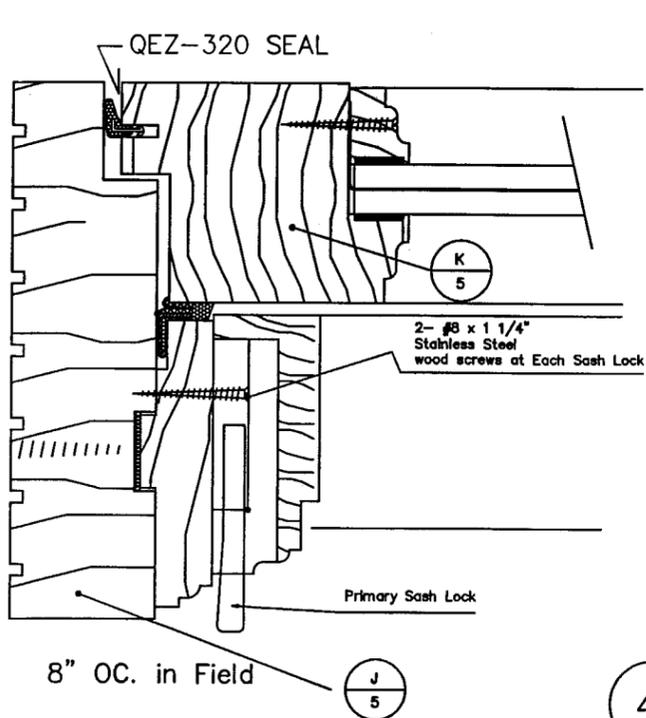
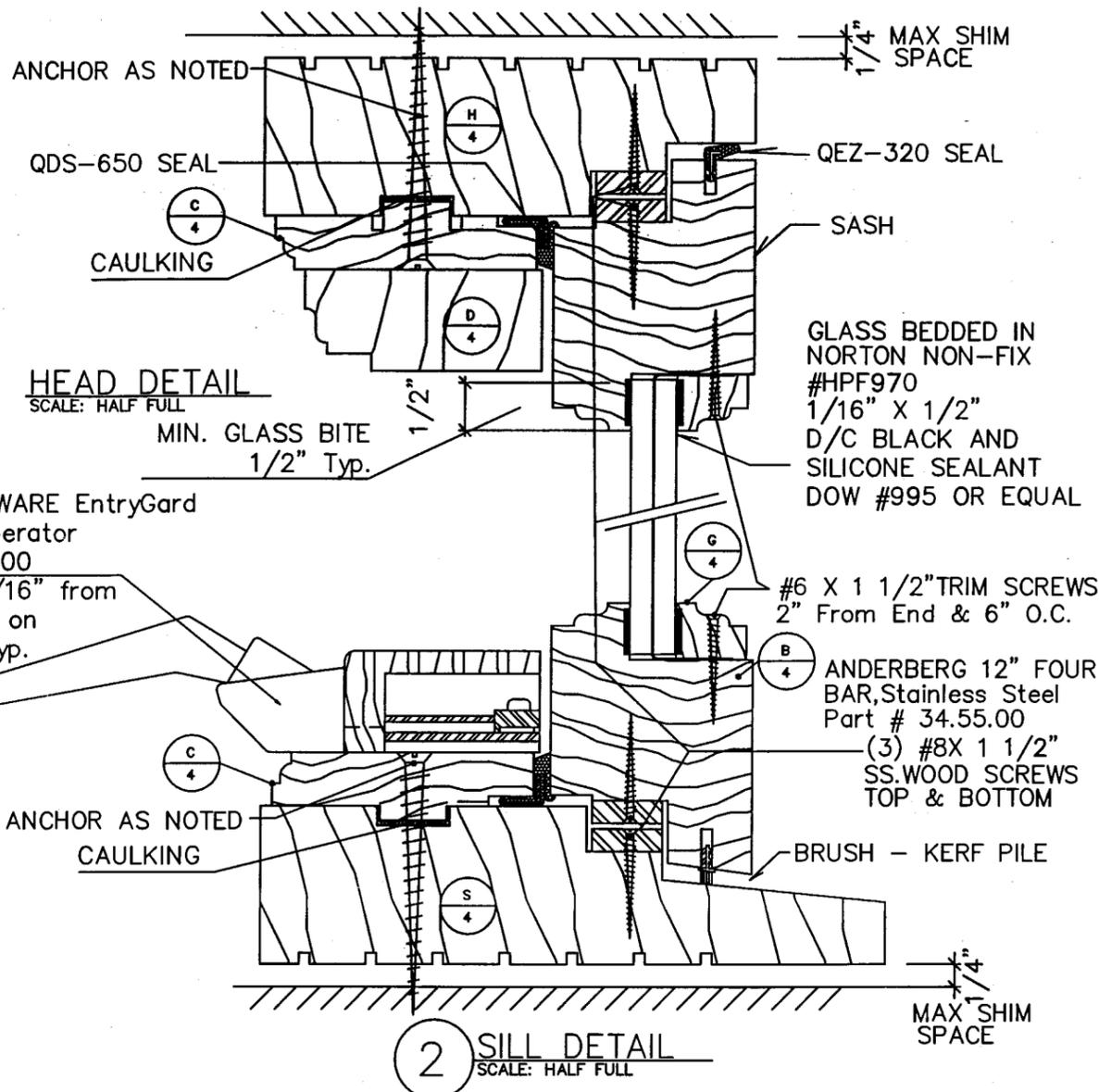
Stephen M. Sinclair, P. E.  
FL Lic. No. 35631 Job# 03-03002

JUN 20 2006

Mulled Mahogany Casement  
WINDOW ELEVATION  
HARTMAN WINDOWS AND DOORS, LLC  
SINCLAIR ENGINEERING  
8259 north Military Trail  
PBG, FL 33418  
TEL. (561) 630-5488  
COA # 5426  
531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405  
PHONE 561-296-9600 FAX 561-296-9601  
www.hartmanwindows.com

HARDWARE AND WEATHERSTRIPING PER UNIT:

Quantity	Location	Description
1	5 11/16" away from lower corner of window frame on sill member.	Truth Hardware Entry Gard Casement Dual-Arm Operator, part # 15.10.00
1	Window frame sill	Truth Hardware EntryGard Operator bracket, part # S/A 10339.92
1	Window frame sill.	Truth Hardware EntryGard Operator track, part # 30473.92.
1	On jamb of window frame, located 6" above bottom edge of window frame.	Truth Hardware Primary concealed sash lock, part # 16.33.03.
2	On jamb of window frame, located 36" and 66" above bottom edge of window frame.	Truth hardware Secondary concealed sash lock, part # 16.34.00.
3	Located on stile of window sash 6", 36", 66", away from bottom edge of sash.	Oliveri Woodworks brass keepers.
2	Jamb of window frame.	Truth Hardware tie bars, part # 10346.
2	Head and sill of window frame.	Anderberg Manufacturing 12" long, four bar, stainless steel hinge, part # 34.55.00.
18lf.	Used on all four sides of frame for a positive seal between frame and sash.	Schlegel Q-Lon QDS-650 cellular modified foam core clad in an embossed, non-vinyl paint resistant liner which is U.V. stabilized.
3lf.	Bottom edge of sash	Schlegel # 1556-8601-D Kerf Pile Brush.
15lf.	Top Rail & Stiles of sash.	Schlegel O-Lon QEZ-320 seal.



FOR OFFICIAL USE ONLY

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No **07-0321.01**  
 Expiration Date **MARCH 26, 2008**  
 By *Maurice Perez*  
 Miami Dade Product Control Division

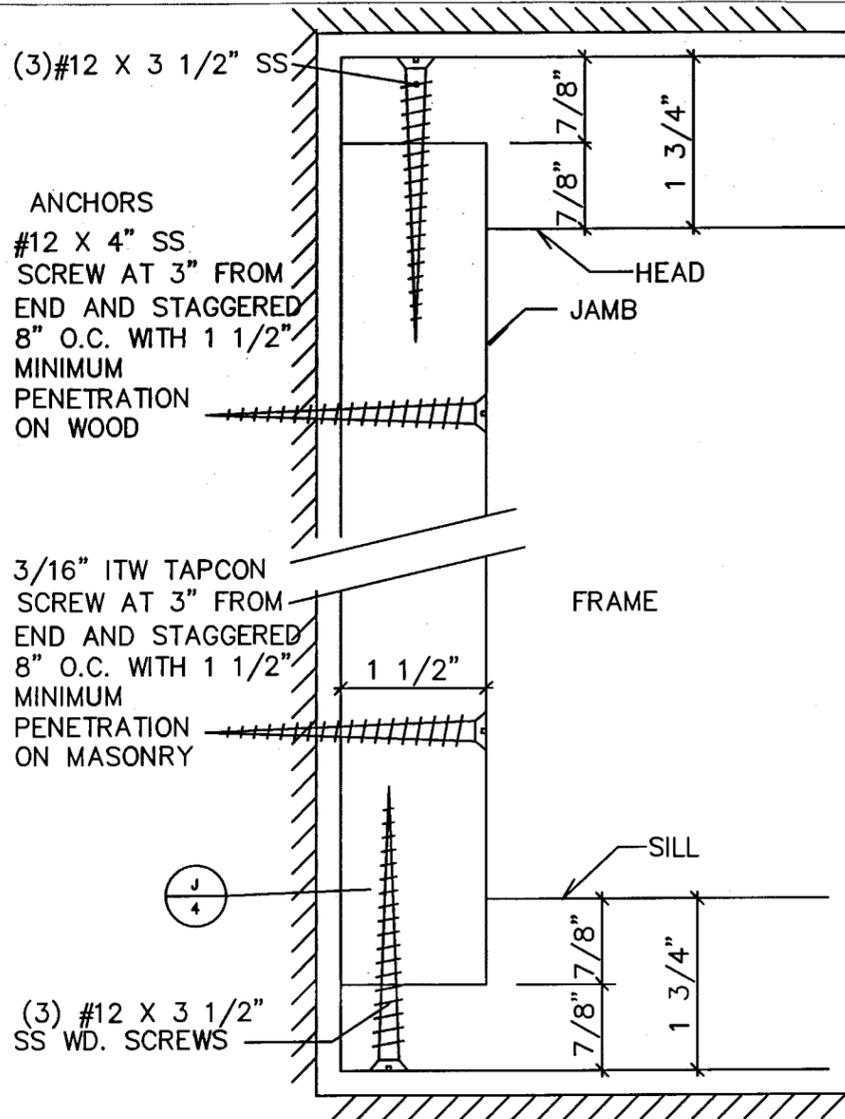
DRAWN VSO
REVISION renewal 5/15/06 name change 7/2004
DATE 02-26-2001
SCALE 1/2" = 1'0"
SHEET <b>W-1</b>
2 of 7 SHEETS



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

**Mahogany Casement**  
**HARTMAN WINDOWS AND DOORS, LLC**  
 531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405  
 WWW.HARTMANWINDOWS.COM  
 PHONE 561-296-9600 FAX 561-296-9601

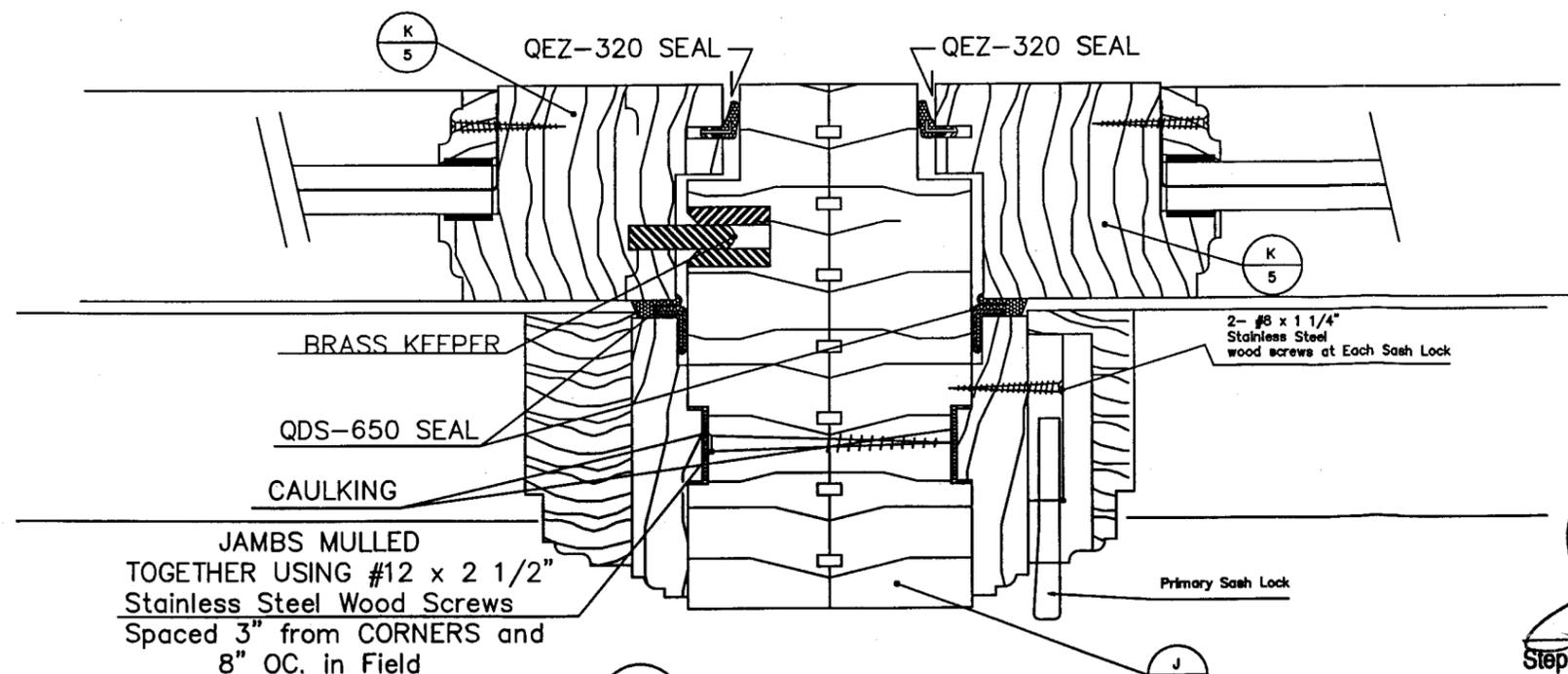
SINCLAIR ENGINEERING  
 8259 North Military Trail  
 PBG, FL 33418  
 TEL: (561) 630-5488  
 COA # 5426



**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.



**3 MULLED JAMB SECTION**  
SCALE: HALF FULL

**FOR OFFICIAL USE ONLY**

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 07-0321.01  
Expiration Date MARCH 26, 2008  
By Manuel Sosa  
Miami Dade Product Control Division

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

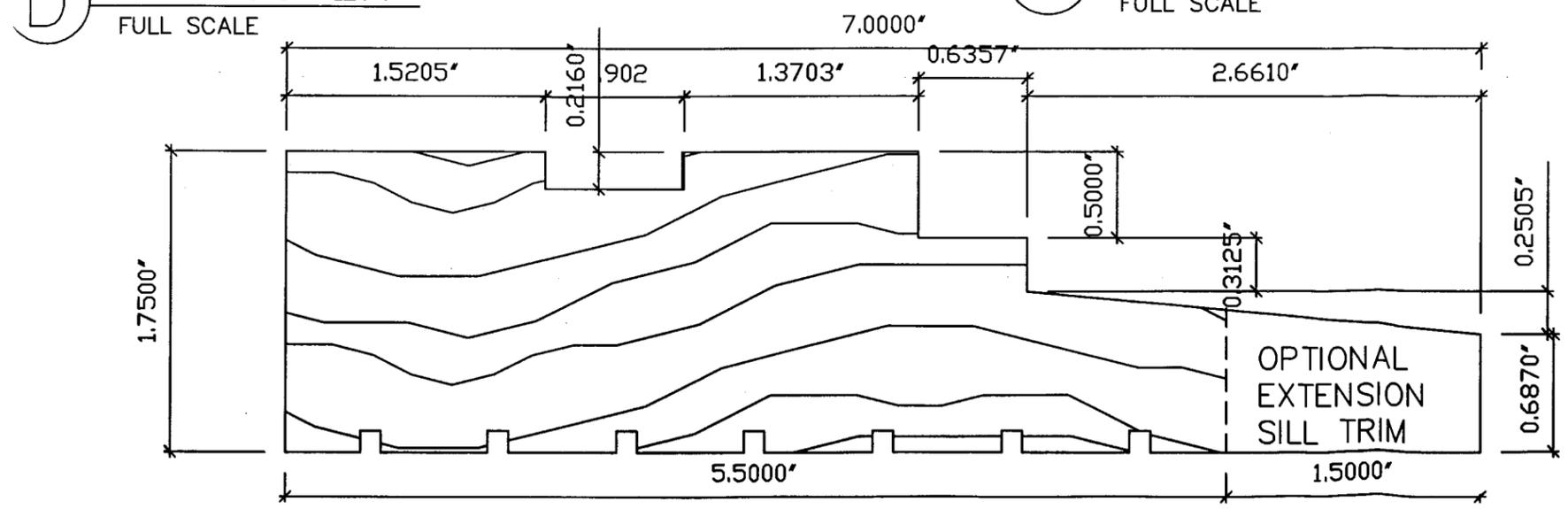
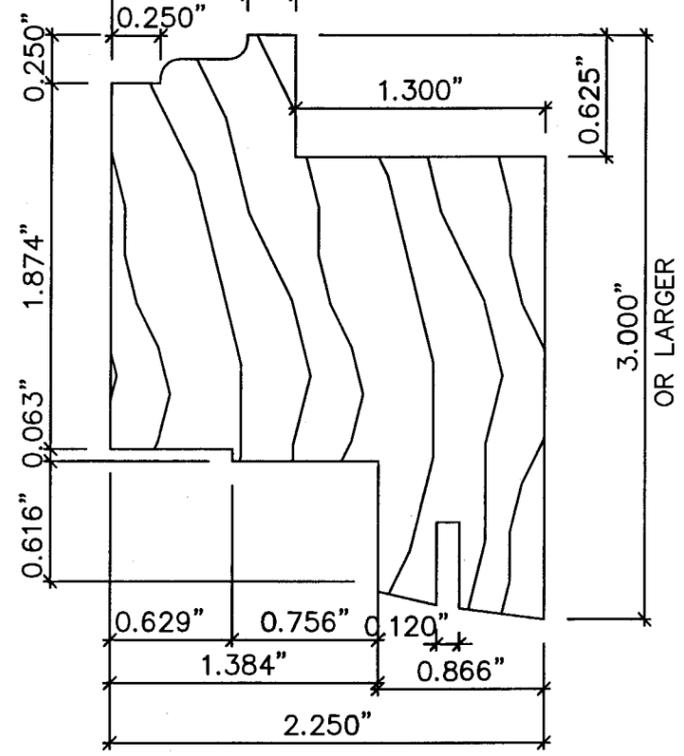
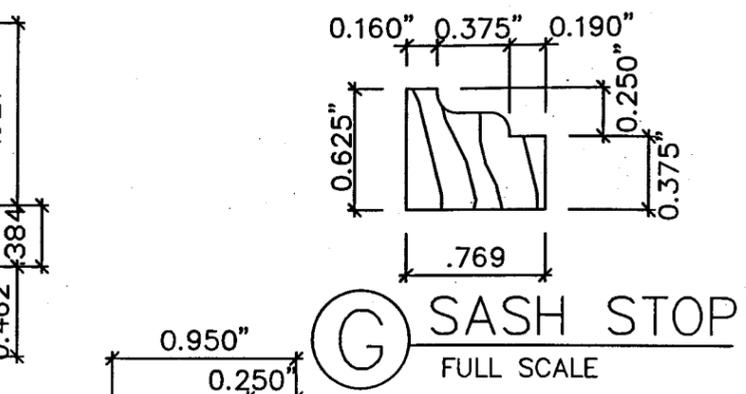
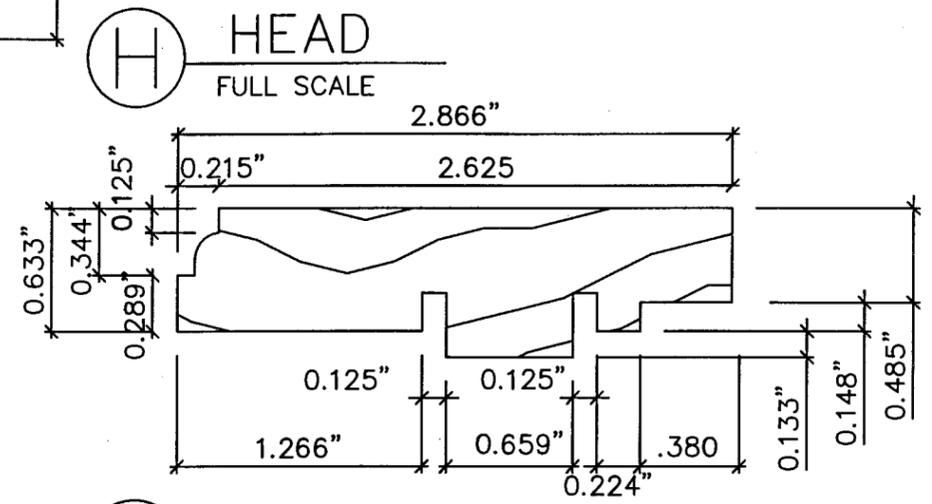
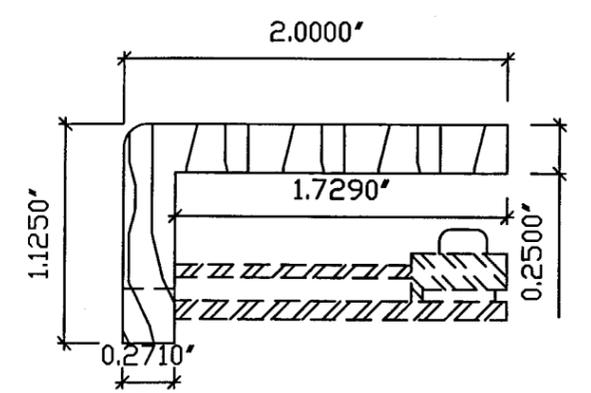
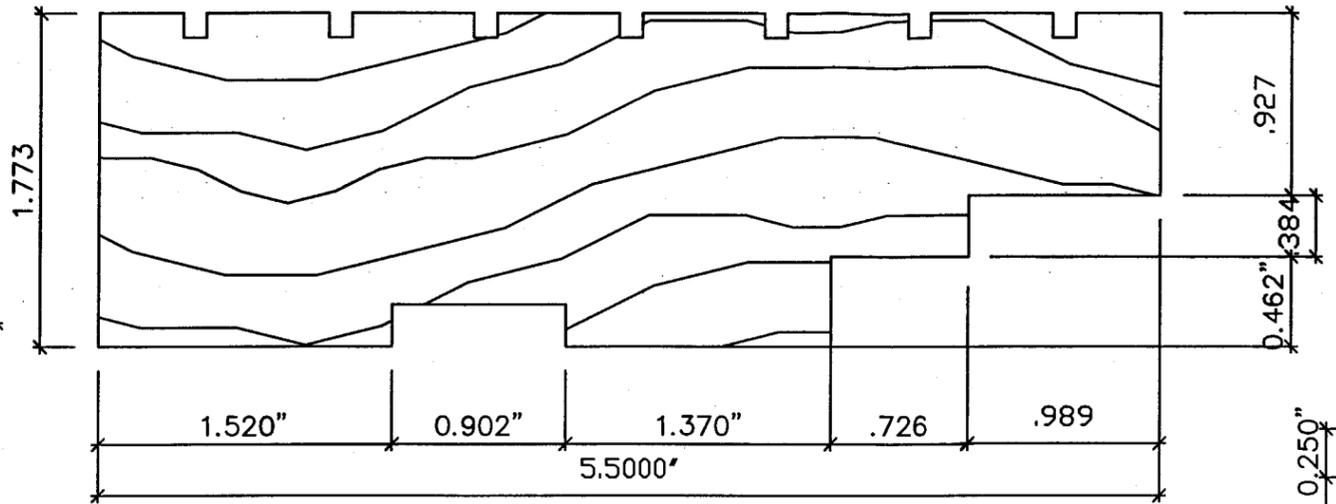
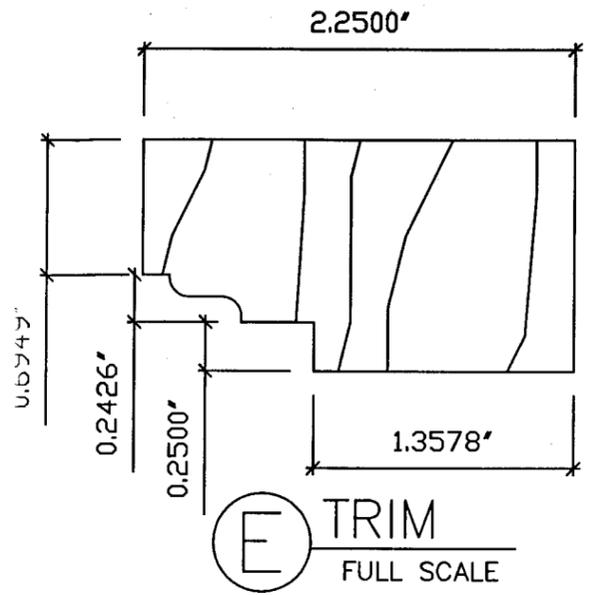
JUN 20 2006

**MAHOGANY - CASEMENT**  
**HARTMAN WINDOWS AND DOORS, LLC**  
 531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405  
 WWW.HARTMANWINDOWS.COM  
 PHONE 561-296-9600 FAX 561-296-9601

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

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

SPECIES: MAHOGANY



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. 07-0321.01  
Expiration Date MARCH 26, 2008  
By *Manuel*  
Miami Dade Product Control  
Division

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

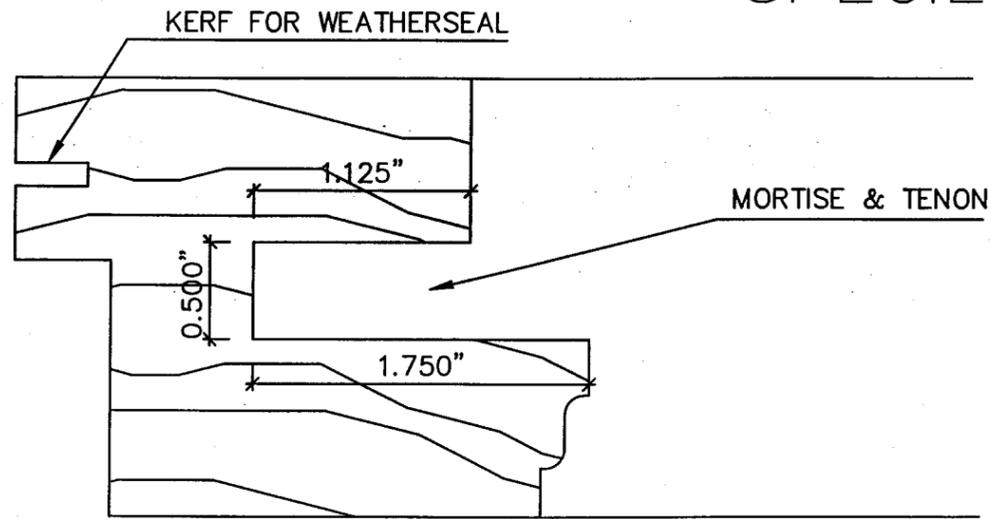
**W-1**

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

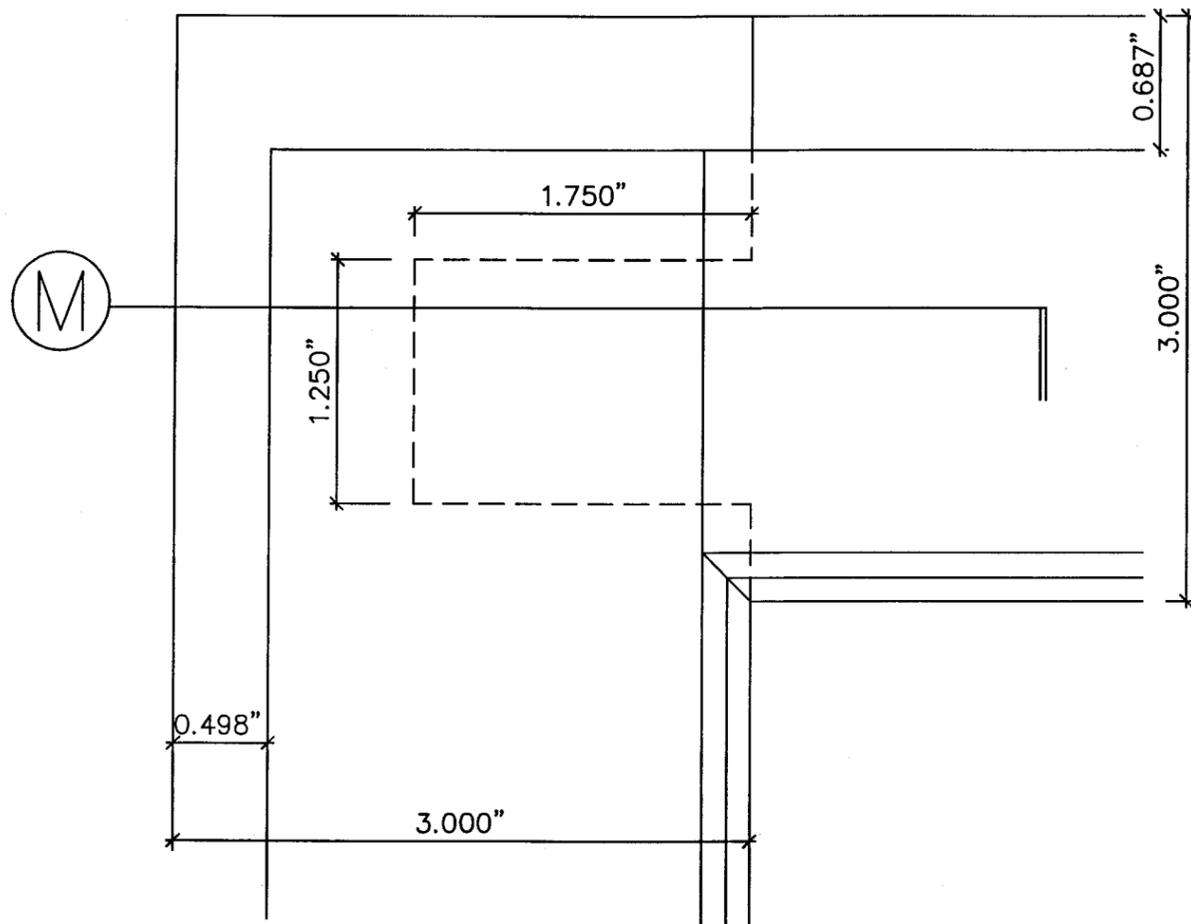
**FULL SCALE CASEMENT WINDOW PROFILES**

**HARTMAN WINDOWS AND DOORS, LLC**  
531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405  
PHONE 561-296-9600 FAX 561-296-9501 www.hartmanwindows.com

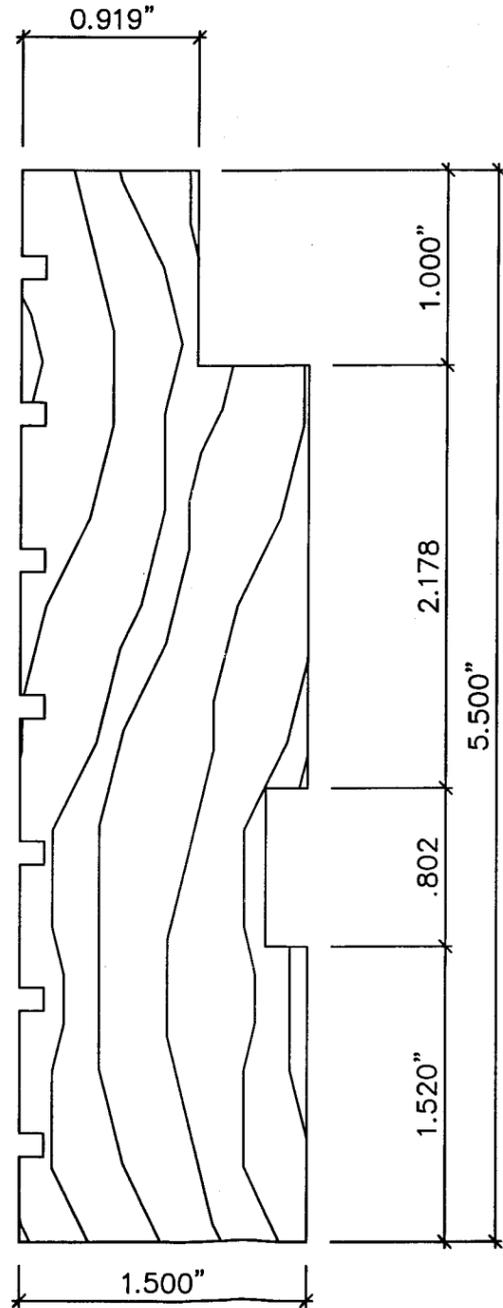
SPECIES: MAHOGANY



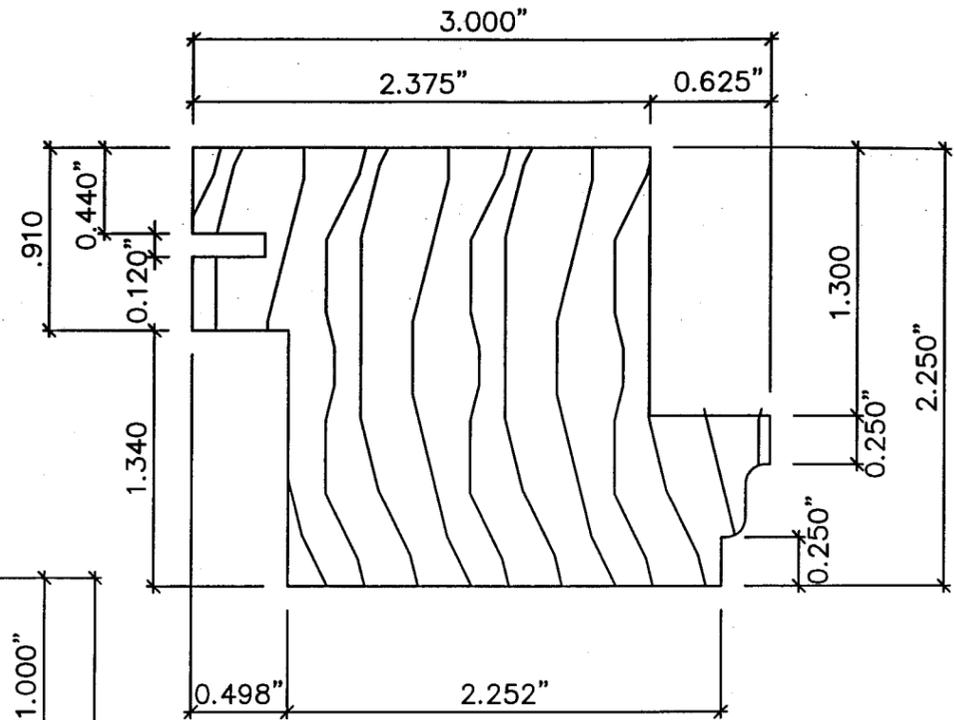
(M) SASH SECTION  
FULL SCALE



(N) SASH DETAIL  
FULL SCALE



(J) JAMB  
FULL SCALE



(K) SASH STILE  
FULL SCALE

FOR OFFICIAL USE ONLY

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0321-D1  
Expiration Date MARCH 26, 2008  
By *Manuel Perez*  
Miami Dade Product Control  
Division

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

JUN 20 2006 Job# 03-03002

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

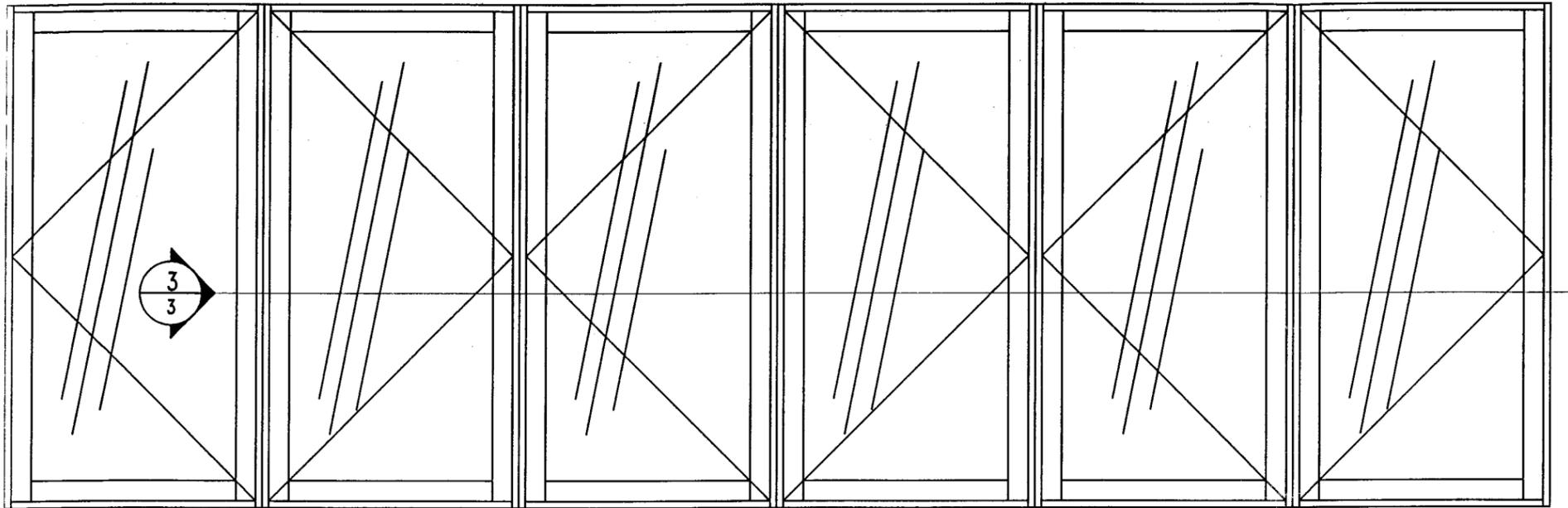
FULL SCALE CASEMENT WINDOW PROFILES

HARTMAN WINDOWS AND DOORS, LLC

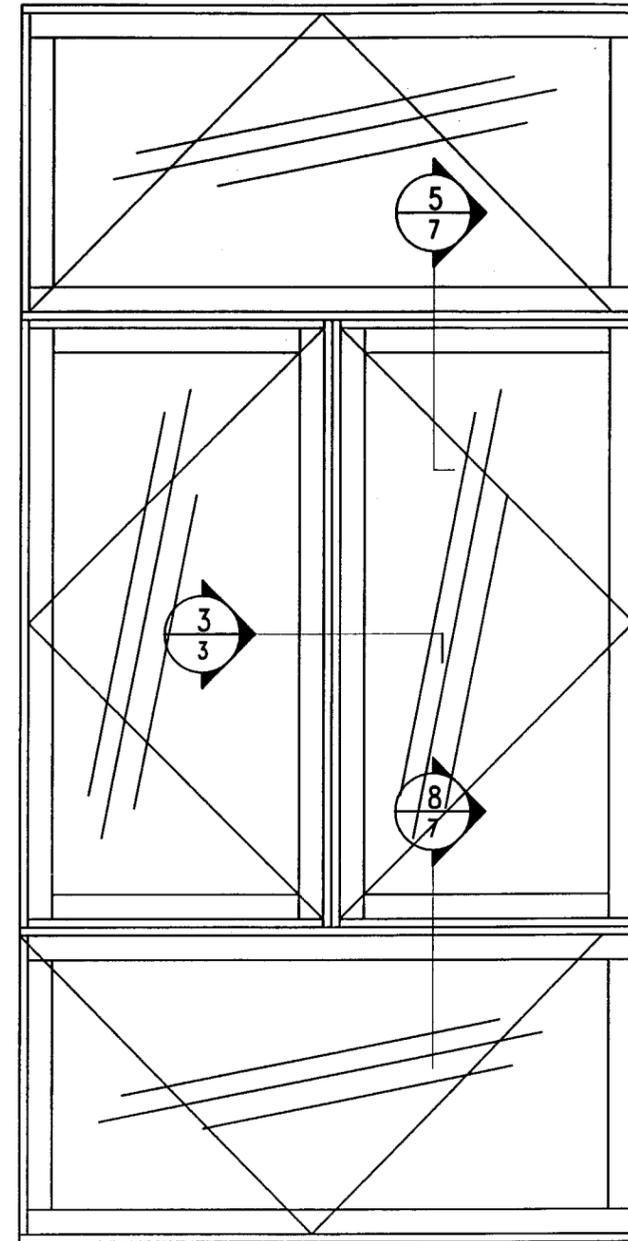
531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405  
PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com

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

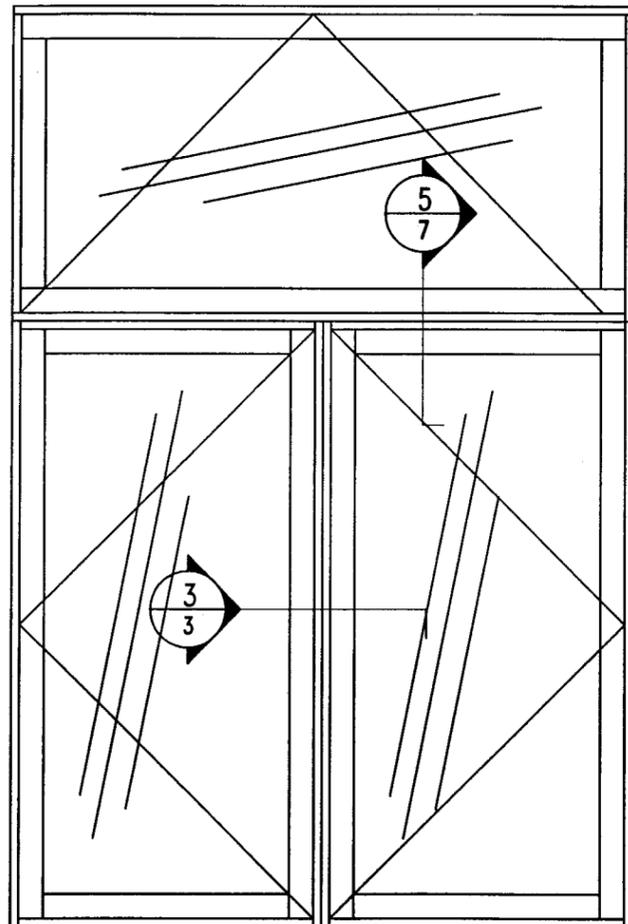
W - 1



SIX UNIT COMBINATION



FOUR UNIT COMBINATION



THREE UNIT COMBINATION

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

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

Job# 03-03002

FOR OFFICIAL USE ONLY

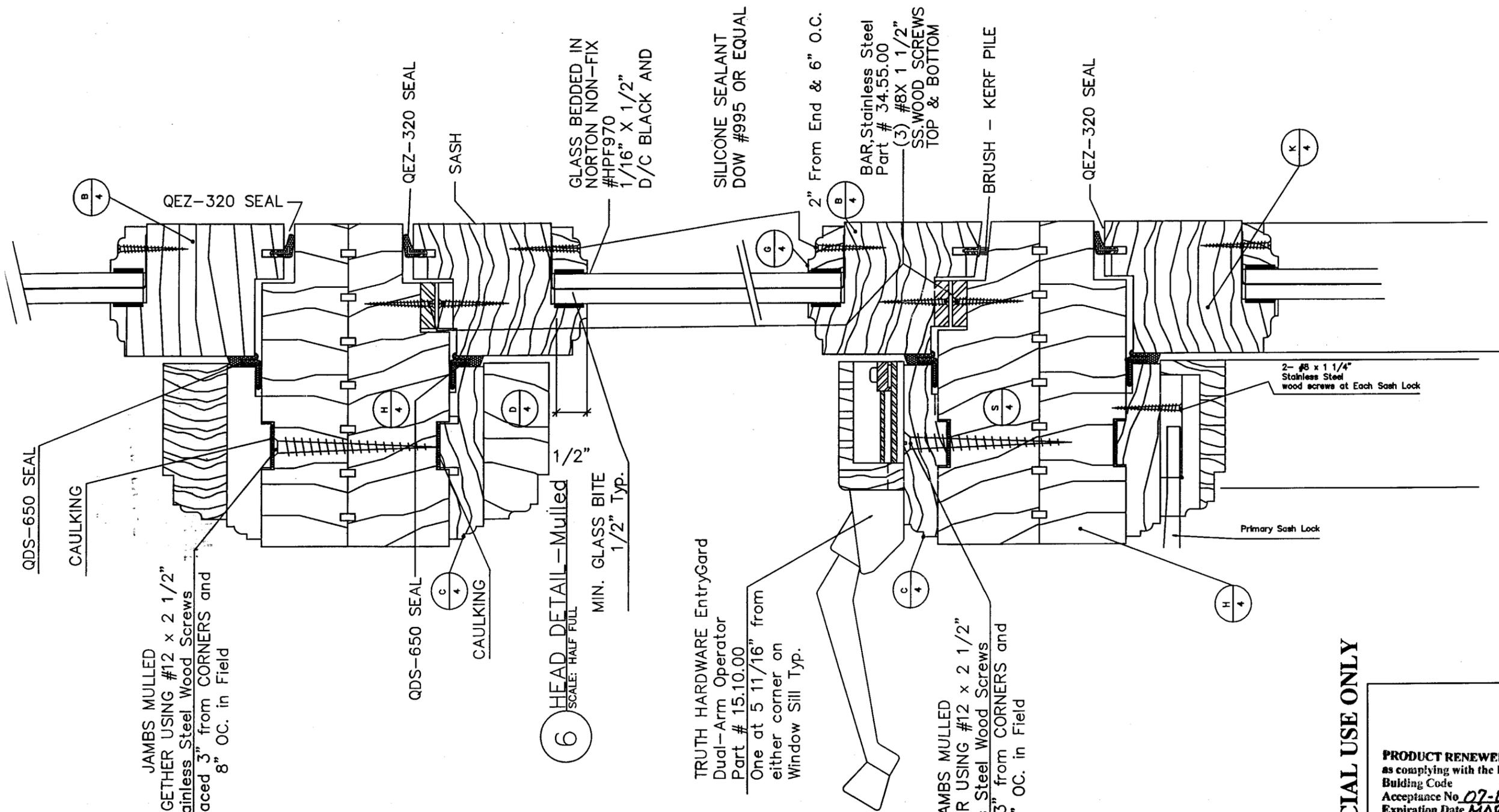
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 07-0321-01  
Expiration Date MARCH 26, 2008  
By Manuel Lopez  
Miami Dade Product Control  
Division

DRAWN D/S
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

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

Mulled Mahogany Casement  
ALTERNATIVE COMBINATIONS

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



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 - Mullied  
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

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

Job# 03-03002

JUN 20 2006

FOR OFFICIAL USE ONLY

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. *07-D321.01*  
Expiration Date *MARCH 26, 2008*  
By *Manuel Soto*  
Miami Dade Product Control  
Division

8 SILL DETAIL - Mullied

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

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