



**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)

**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

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 Revision 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 revises NOA # 01-0312.05 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 04-0426.01
Expiration Date: March 26, 2006
Approval Date: July 8, 2004
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.

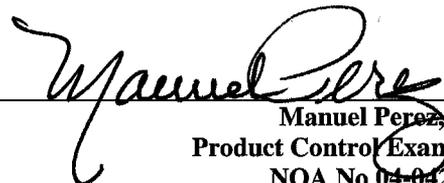
B. TESTS

(Submitted under previous approval #97-0903.03)

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 for revision of NOA #97-0903.03, under previous file #00-0225.01)

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.
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.



Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0426.01
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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

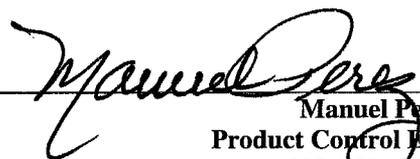
1. Notice of Acceptance No. **97-0527.04** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 09/09/97, expiring on 09/09/00.
2. Notice of Acceptance No. **97-1224.07** issued to Solutia Inc. for "Polyvinyl Butyral Interlayer Saflex" dated 06/25/98, expiring on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

F. STATEMENTS

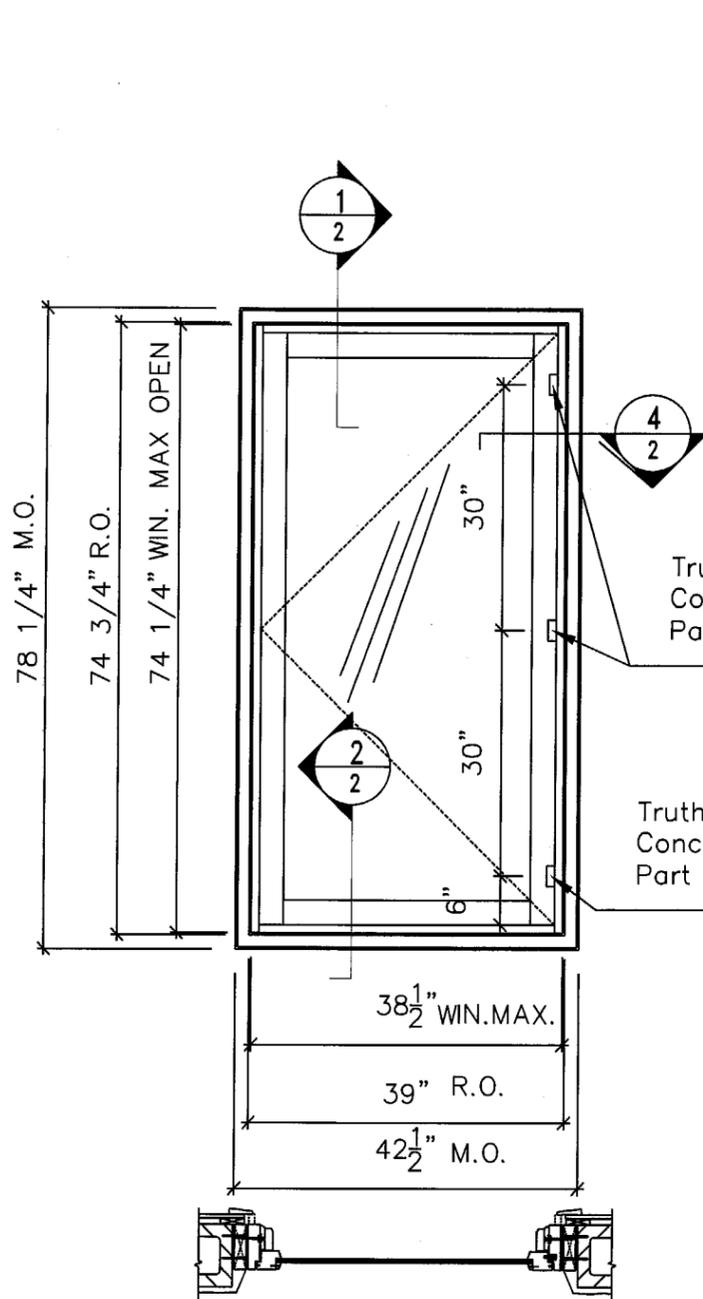
1. Letter by Platinum Industries Inc., stating what the revision consists of.
2. Laboratory compliance letter for Test Report no. HTL-0137-0402-98, issued by Hurricane Test Laboratory, Inc., dated 04/13/98, signed and sealed by Timothy S. Marshall, P.E.
3. Letter by Platinum Industries Inc., stating that Sinclair Engineering Company has no affiliation with Platinum Industries or with the lab that performed the wind testing on the subject window assemblies.
4. Asset Purchase Agreement between Hartman Windows and Doors, LLC and Platinum Industries, Inc., notarized and dated February 1, 2002.

G. OTHER

1. Notice of Acceptance No. **01-0312.05**, issued to Platinum Industries, Inc. for their "Mahogany" Outswing Wood Casement Window – Impact Resistant, approved on 05/24/01 and expiring on 03/26/06.

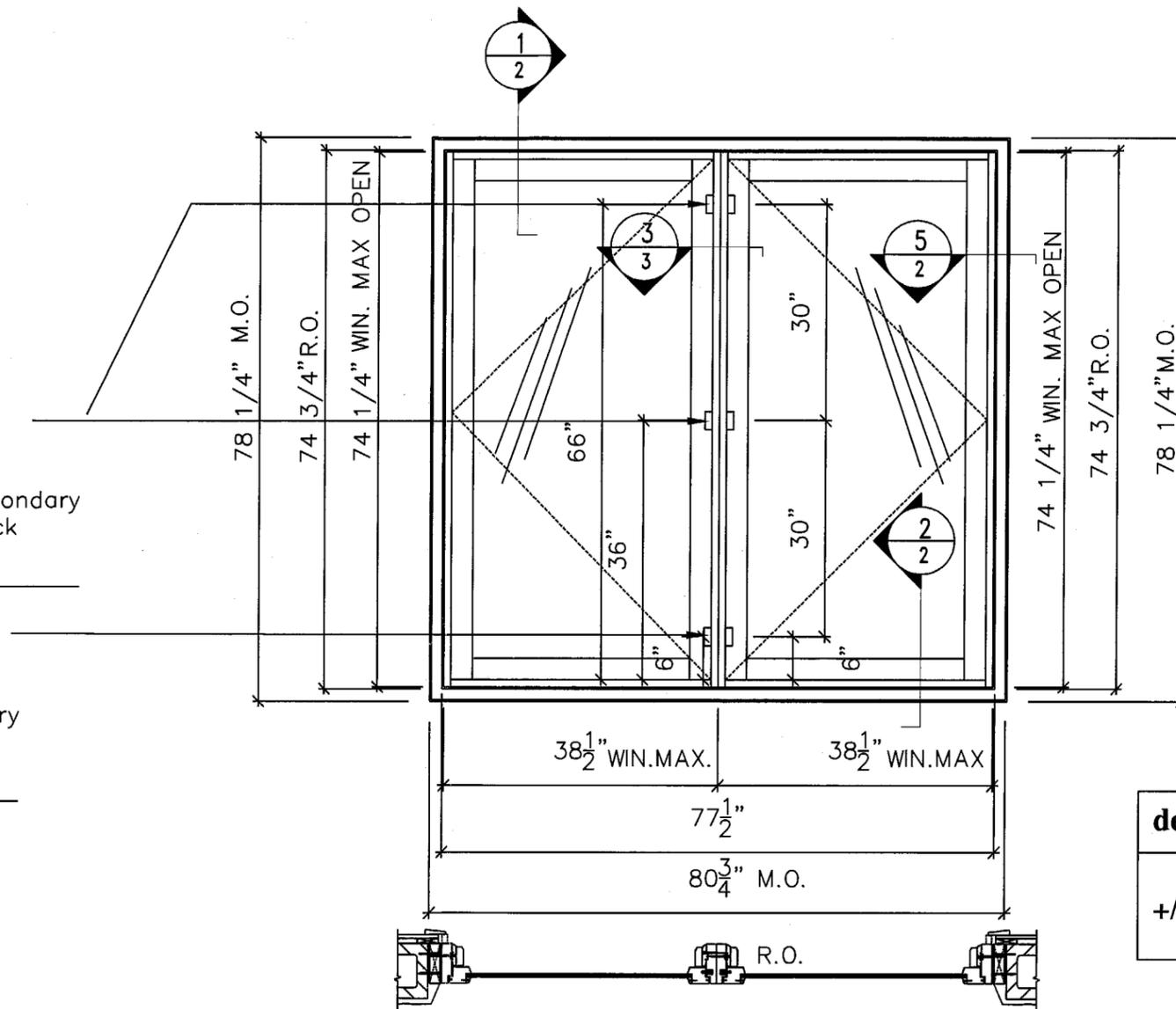


Manuel Perez, P.E.
Product Control Examiner
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1 SINGLE CASEMENT WINDOW
scale: 1/2" = 1'-0"

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



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

design pressure rating

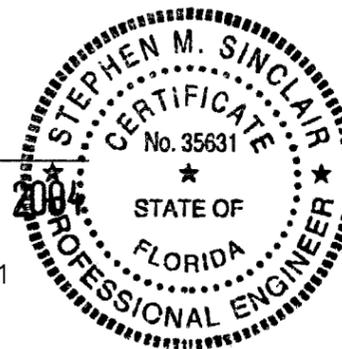
+/- 90 PSF

FOR OFFICIAL USE ONLY

Approved as complying with the
Florida Building Code
Date July 8, 2004
NOA# 04-0426-01
Miami Dade Product Control
Division
By [Signature]

[Signature]

Steven Sinclair
Professional Engineer
Certificate Number 35631
Job Number 03-03002



Mulled Mahogany Casement
WINDOW ELEVATION
HARTMAN WINDOWS AND DOORS, LLC

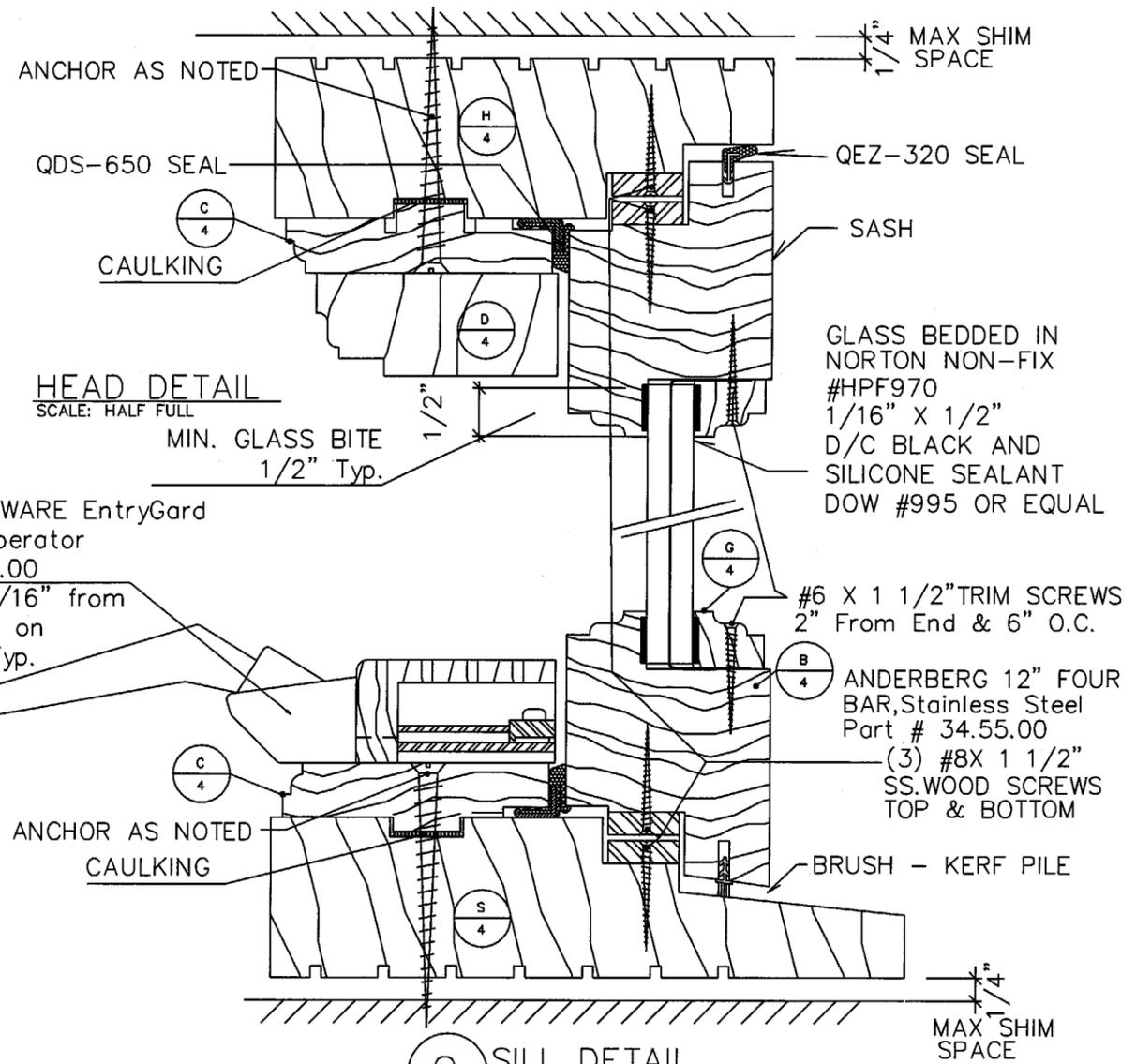
SINCLAIR ENGINEERING
8259 north Military Trail
PBG, FL 33418
TEL: (561) 640-5488
COA # 5426

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

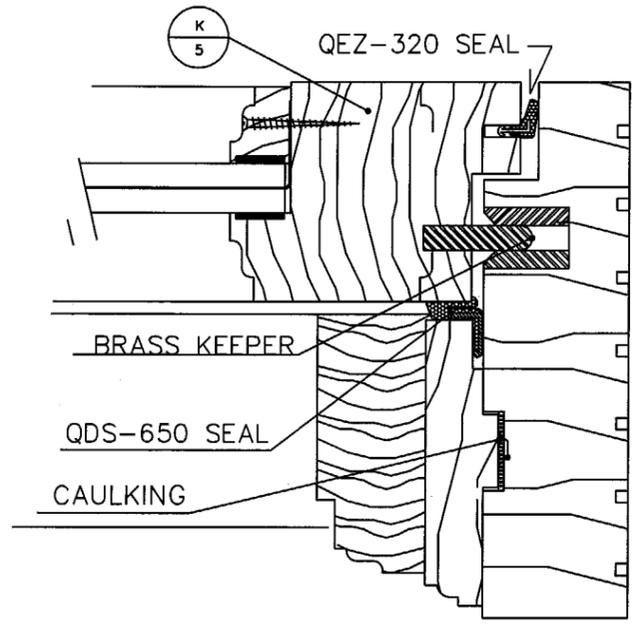
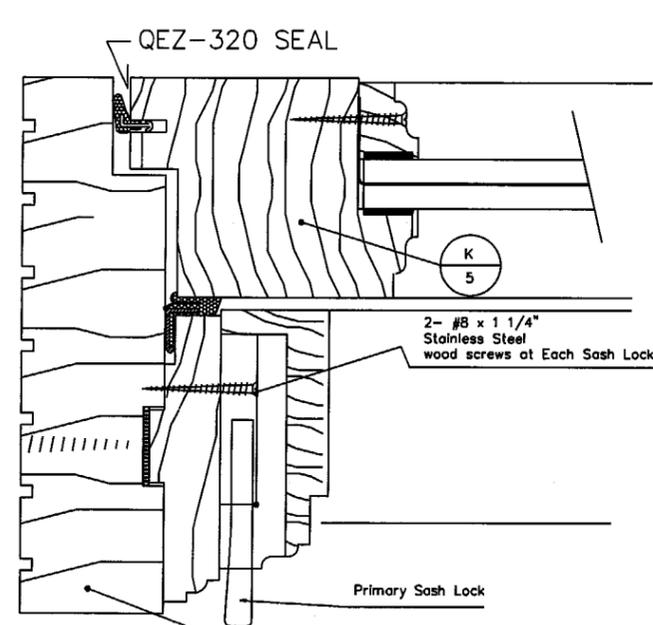
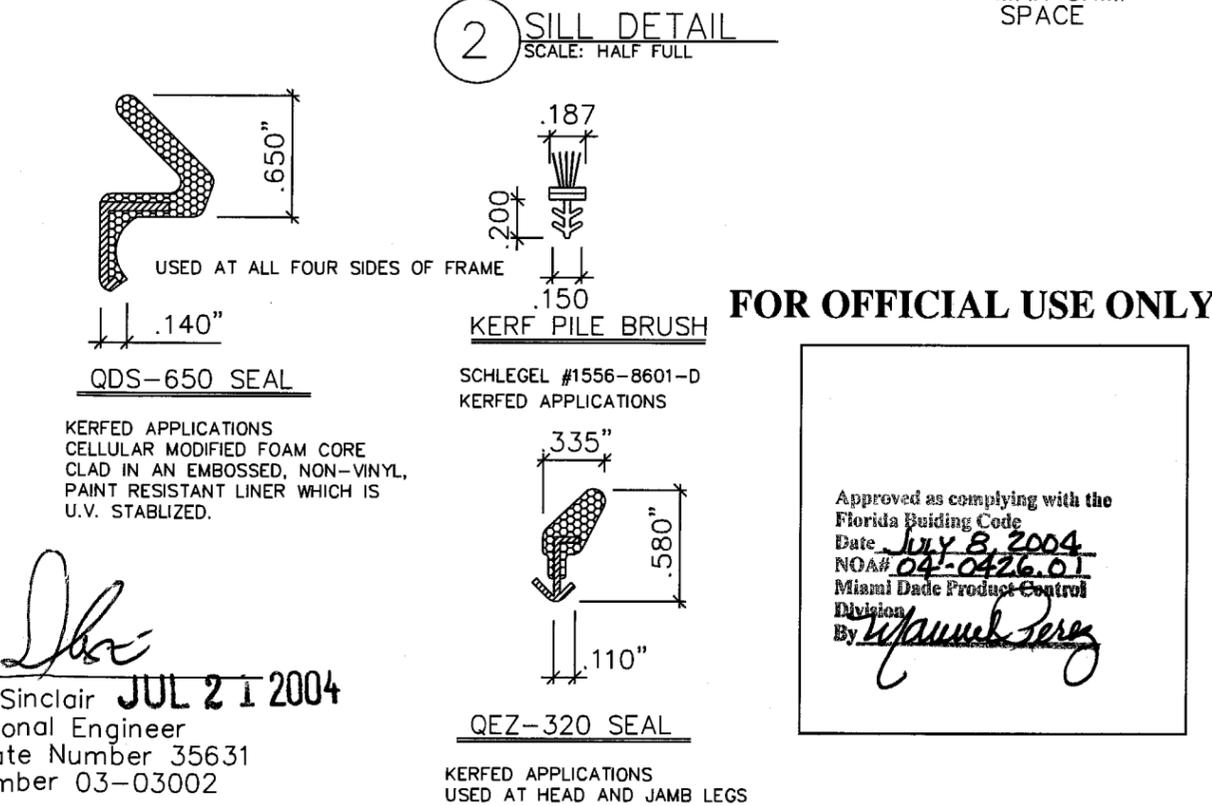
DRAWN VSO
REVISION name change 7/2004
DATE 02-26-2001
SCALE 1/2" = 1'0"
SHEET W - 1
1 OF 7 SHEETS

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 sach 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 sach 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.	Schegel 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.



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



Steven Sinclair
 Steven Sinclair JUL 21 2004
 Professional Engineer
 Certificate Number 35631
 Job Number 03-03002

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 Date July 8, 2004
 NOA# 04-0426.01
 Miami Dade Product Control Division
 By *[Signature]*

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

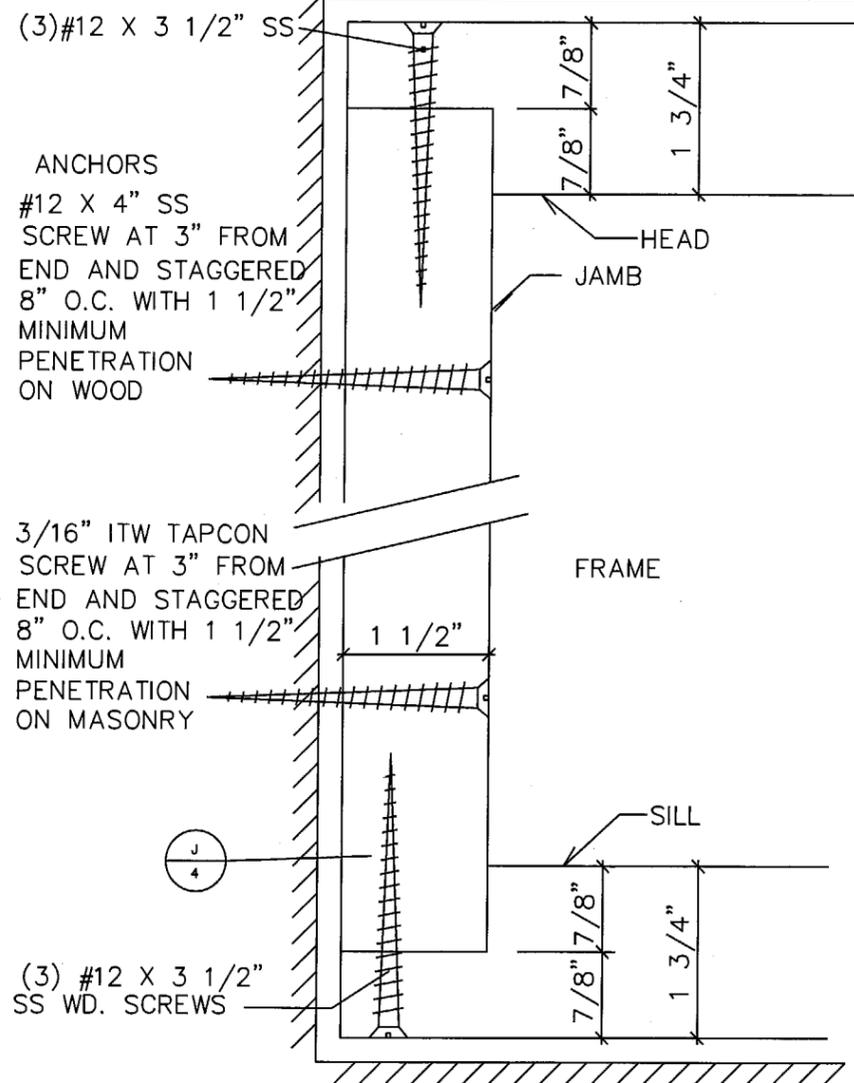
SINCLAIR ENGINEERING
 8259 North Military Trail
 PBG, FL 33418
 TEL: (561) 640-5488
 COA # 5426

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

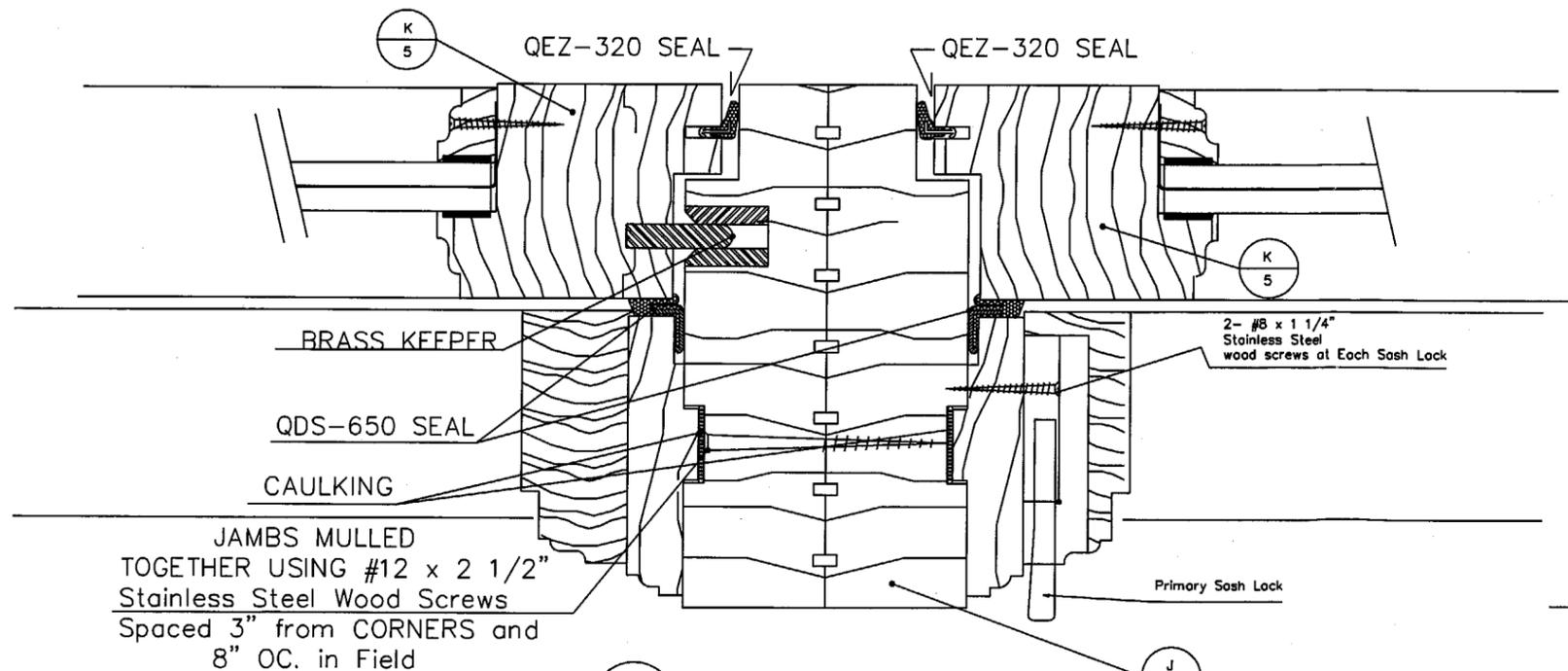
7 CORNER DETAILS
SCALE: HALF FULL



(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



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

3 MULLED JAMB SECTION
SCALE: HALF FULL

GENERAL NOTES

- CASEMENT WINDOW HAS BEEN DESIGNED IN ACCORDANCE WITH SOUTH FLORIDA BUILDING CODE 1994 EDITION
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ACSE 7-88 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 PA 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: 97-0527.04 DADE COUNTY FLORIDA-EXPIRES 09/09/2000 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 97-1224.07 DADE COUNTY FLORIDA - EXPIRES 08/04/2001 0.465 LAMINATED GLASS CONSISTING OF :
 - 2 LAYERS OF 3/16" TEMPERED OR ANNEALED GLASS
 - 1 LAYERS OF .090 SAFLEX
- THE WINDOWS are tested with 1/2" MIN. Glass Bite Typical all sides.

FOR OFFICIAL USE ONLY

Approved as complying with the
Florida Building Code
Date July 8, 2004
NOA# 04-0426.01
Miami Dade Product Control
Division
By [Signature]

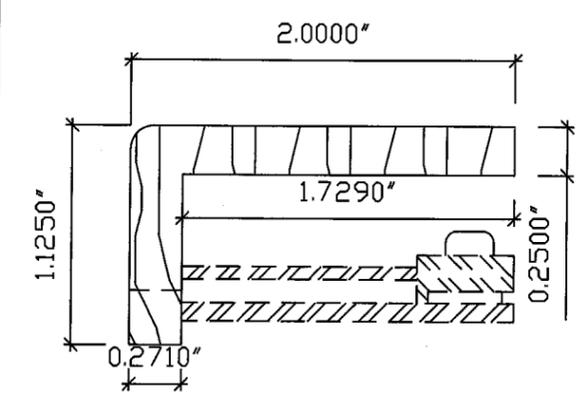
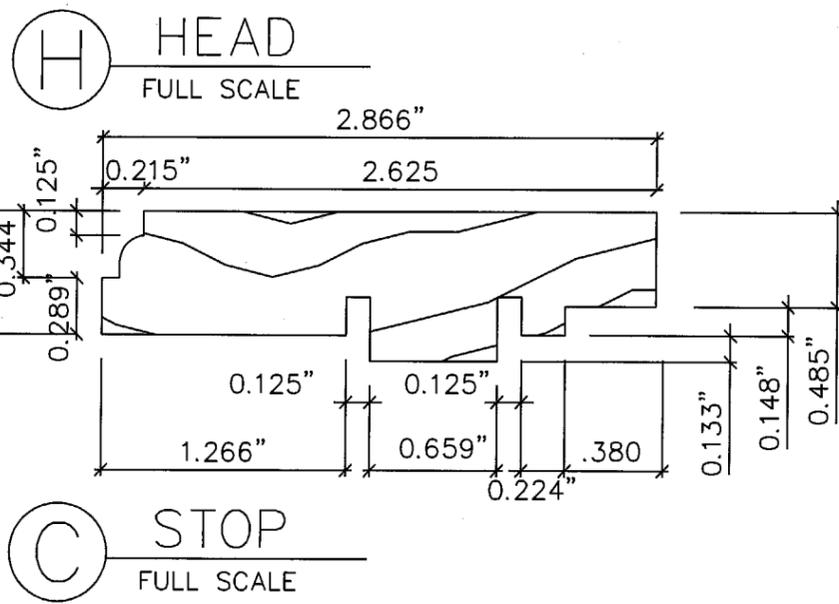
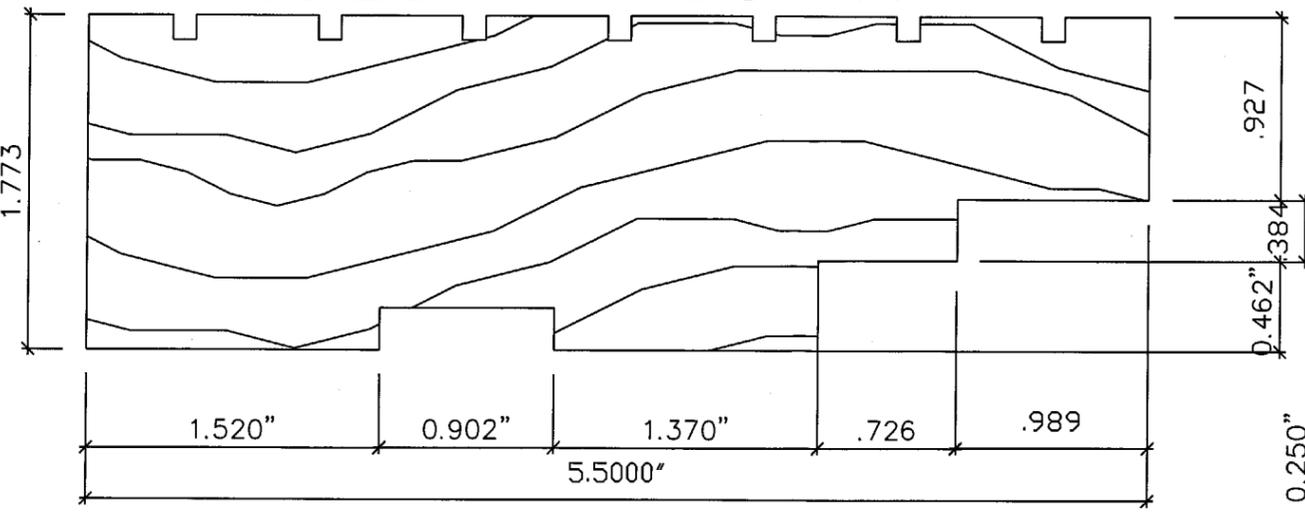
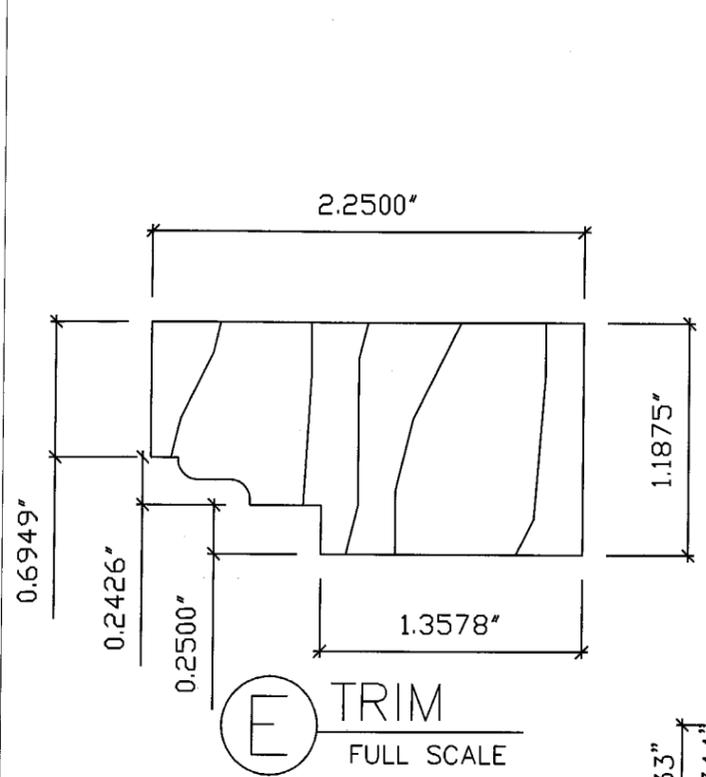
[Signature]
Steven Sinclair JUL 21 2004
Professional Engineer
Certificate Number 35631
Job Number 03-03002

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

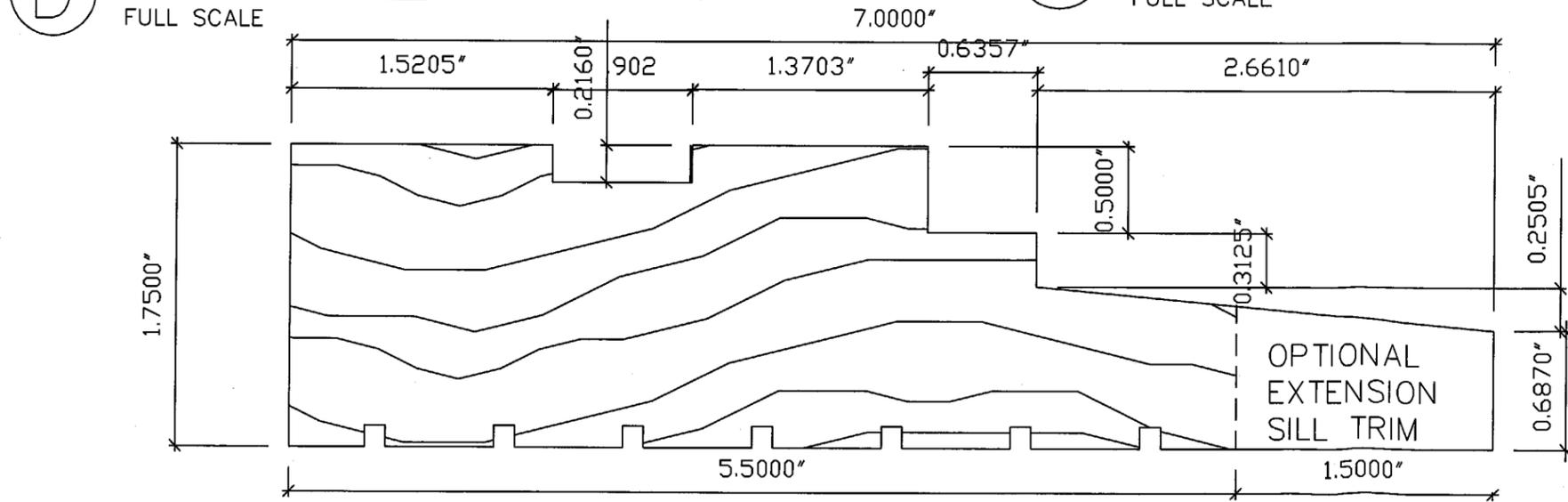
SINCLAIR ENGINEERING
 8259 North Military Trail
 PBG, FL 33418
 TEL: (561) 640-5488
 COA # 5426

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

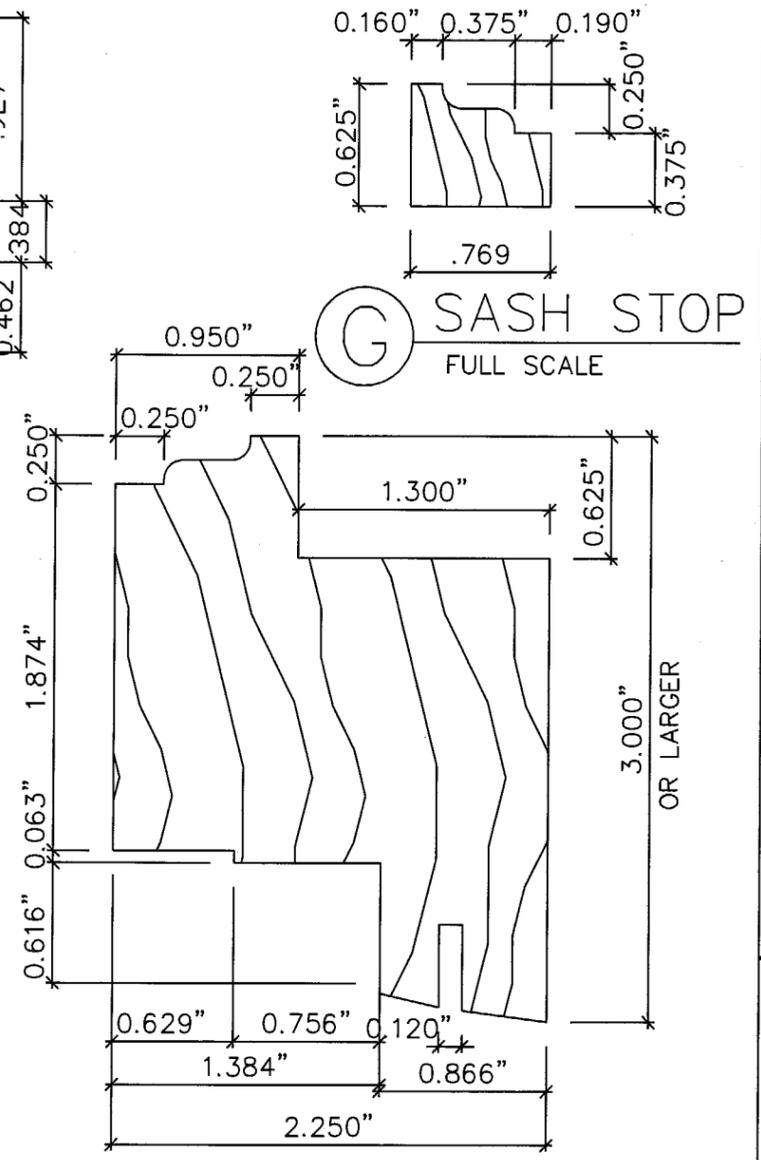
SPECIES: MAHOGANY



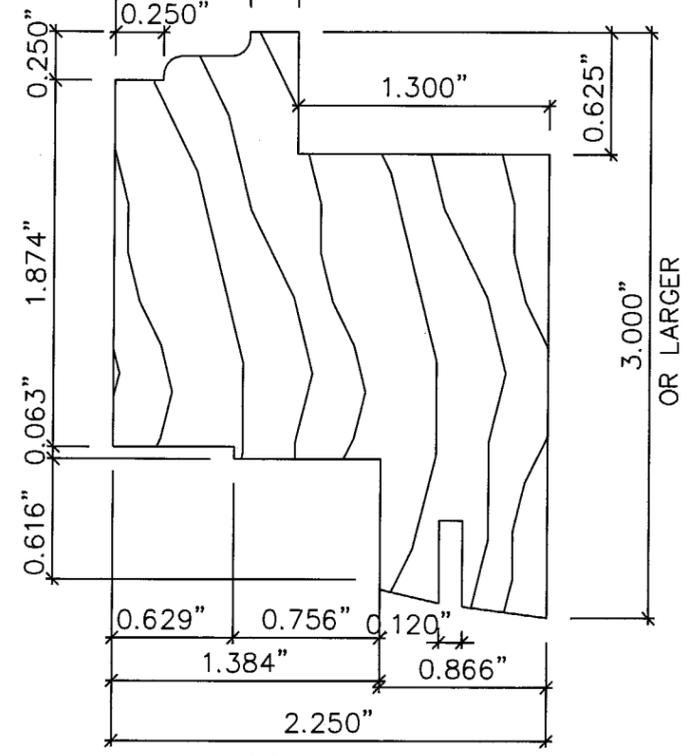
D TRIM COVER
FULL SCALE



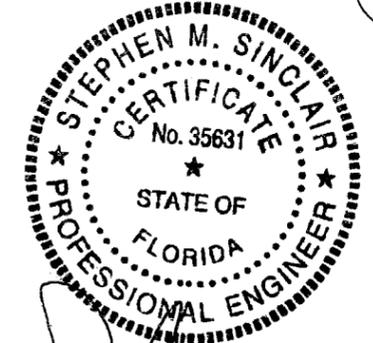
S SILL
FULL SCALE



G SASH STOP
FULL SCALE



B SASH SILL
FULL SCALE



Steven Sinclair JUL 21 2004
Professional Engineer
Certificate Number 35631
Job Number 03-03002

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Date: July 8, 2004
NOA# 04-0426.01
Miami Dade Product Control Division
By: *Mauro Perry*

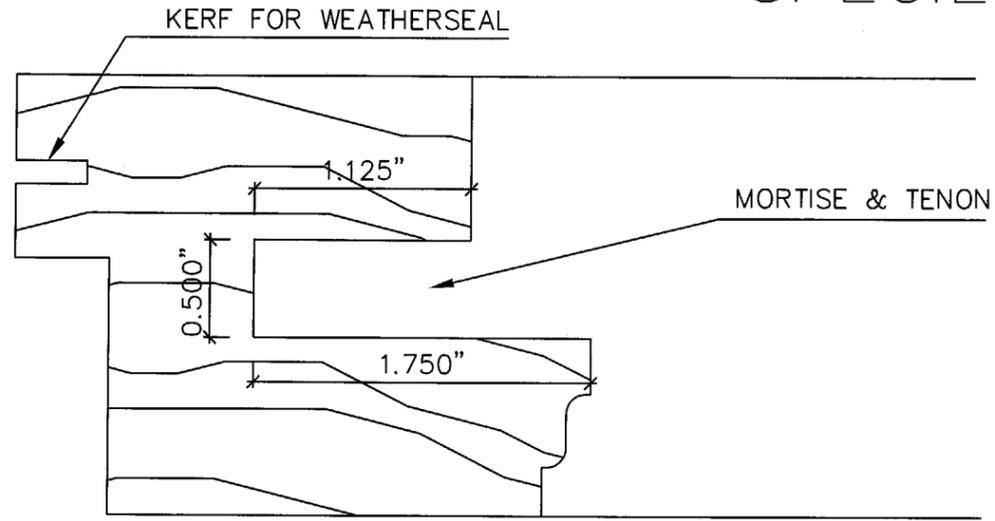
SINCLAIR ENGINEERING
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TEL. (561) 640-5488
COA # 5426

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

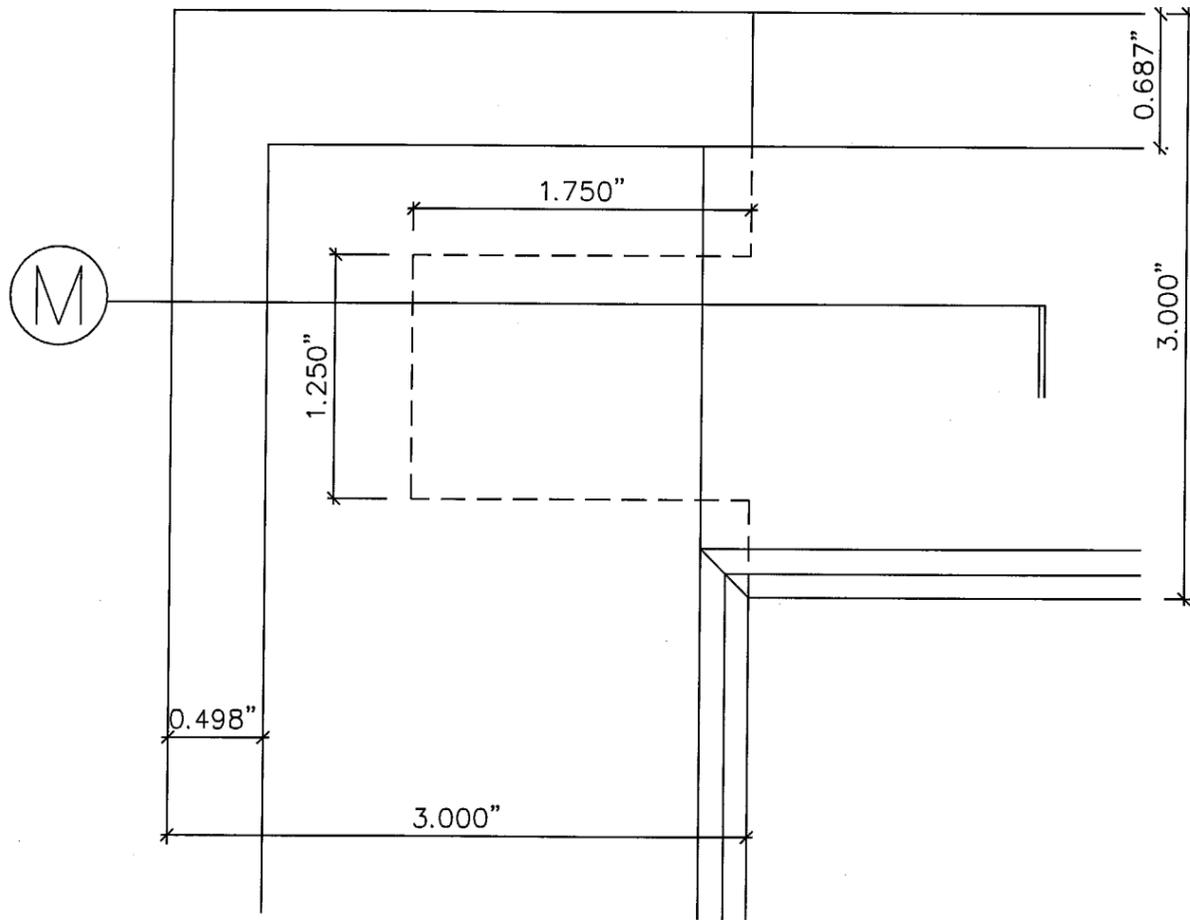
FULL SCALE CASEMENT WINDOW PROFILES

DRAWN DWS
REVISION name change 7/2004
DATE 02-26-2001
SCALE FULL
JOB NO.
SHEET
W-1
4 OF 7 SHEETS

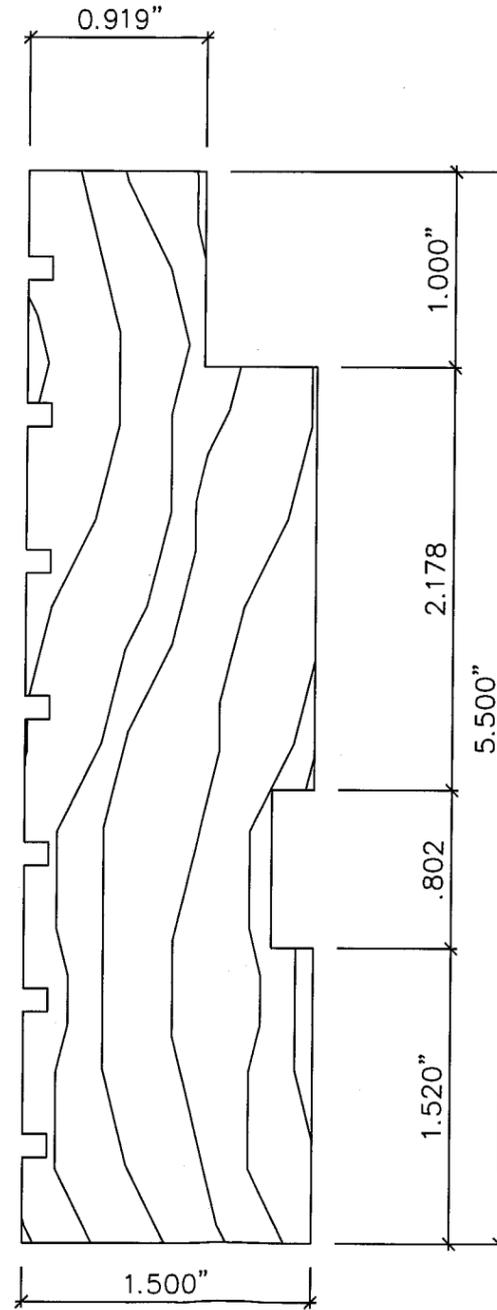
SPECIES: MAHOGANY



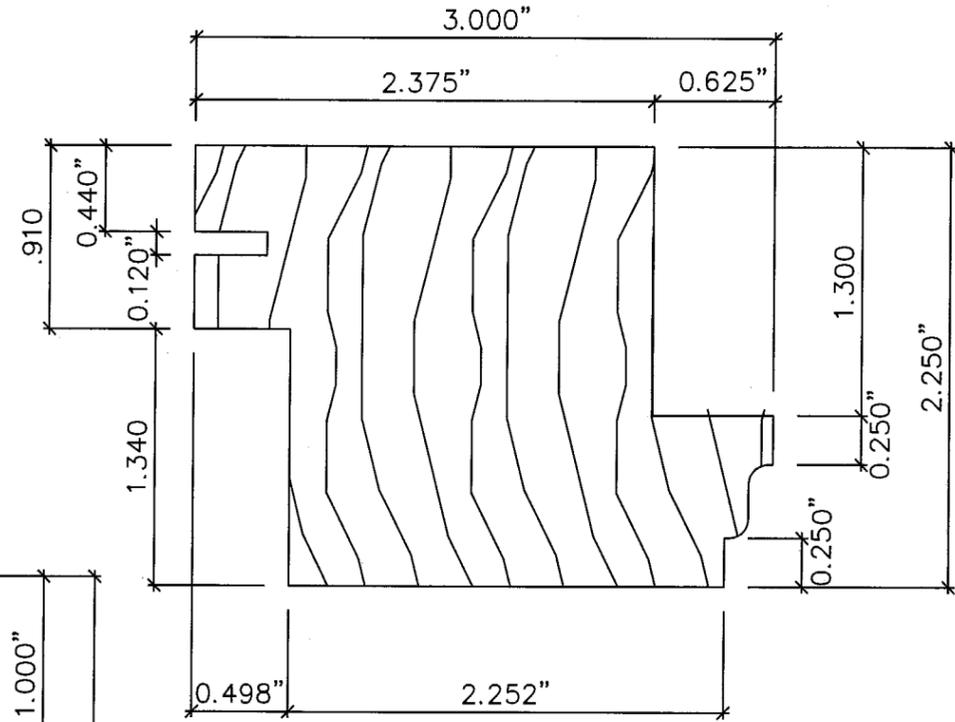
M SASH SECTION
FULL SCALE



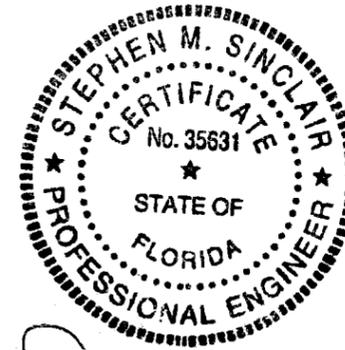
N SASH DETAIL
FULL SCALE



J JAMB
FULL SCALE



K SASH STILE
FULL SCALE



FOR OFFICIAL USE ONLY

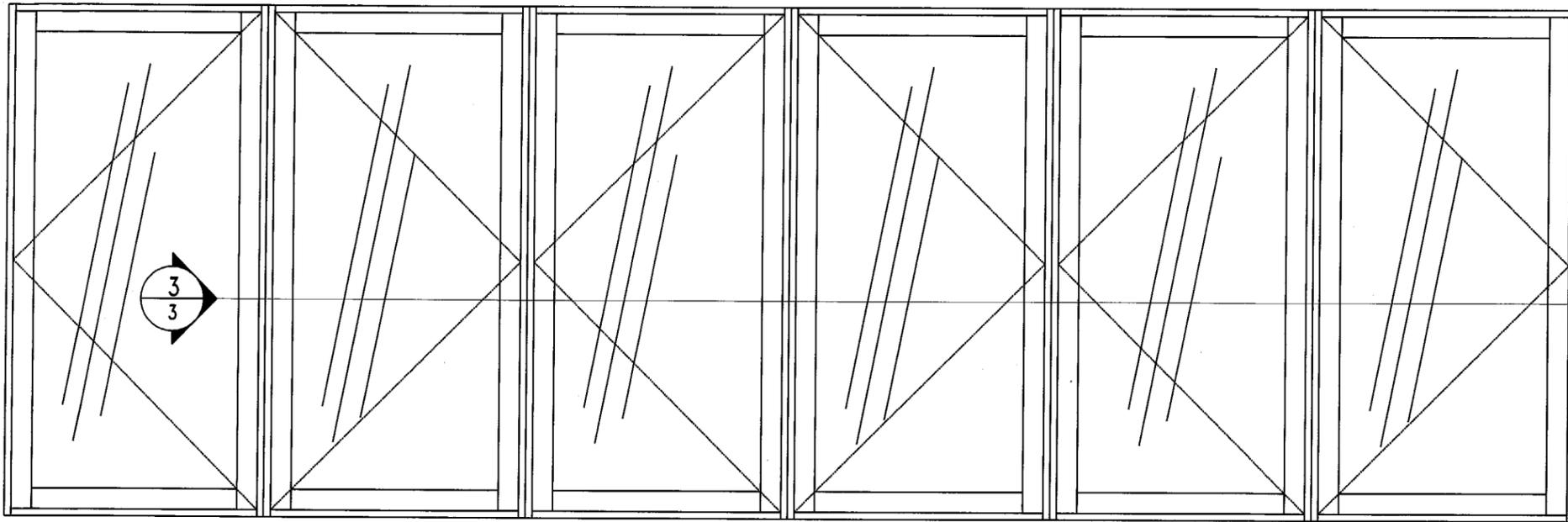
Stephen Sinclair
 Steven Sinclair JUL 21 2004
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 By *Manuel Perez*

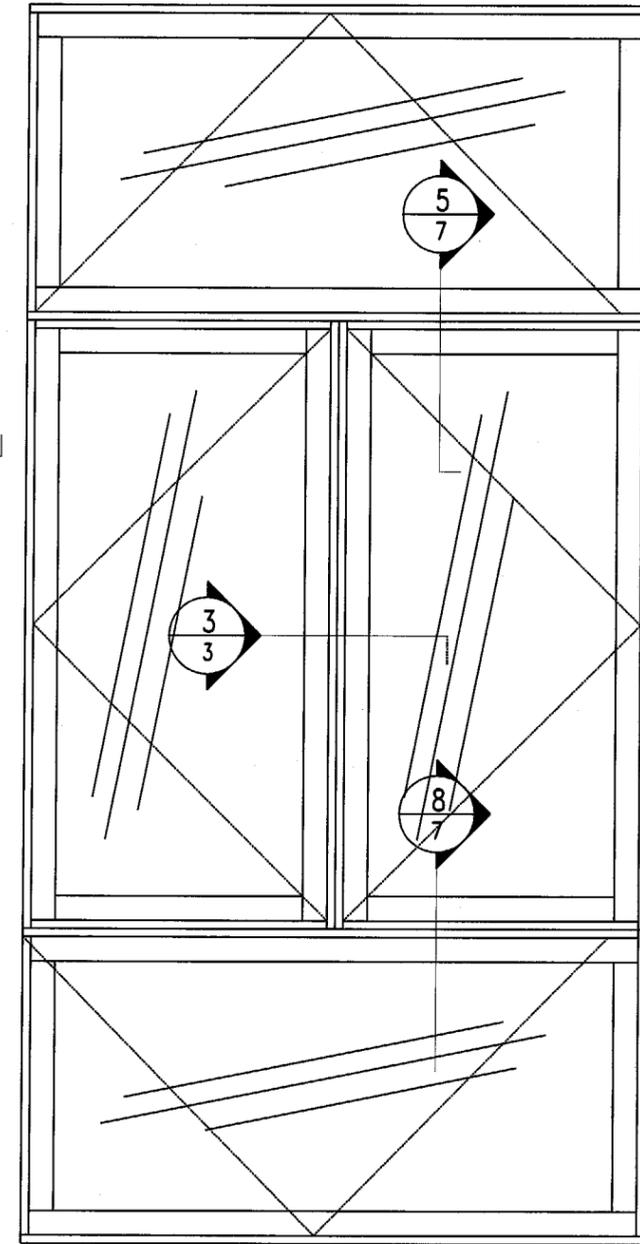
FULL SCALE CASEMENT WINDOW PROFILES
HARTMAN WINDOWS AND DOORS, LLC
 531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405
 PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com

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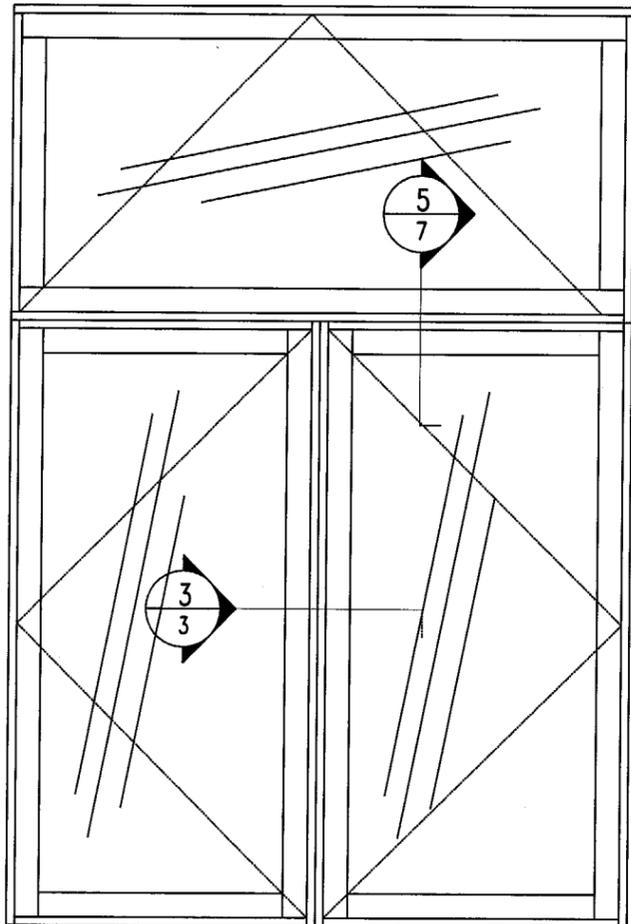
DRAWN DWS
REVISION name change 7/2004
DATE 02-26-2001
SCALE FULL
JOB NO.
SHEET W-1
5 OF 7 SHEETS



SIX UNIT COMBINATION



FOUR UNIT COMBINATION



THREE UNIT COMBINATION

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

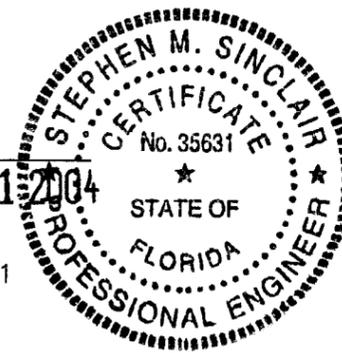
Mulled Mahogany Casement
ALTERNATIVE COMBINATIONS
HARTMAN WINDOWS AND DOORS, LLC
531 SOUTHERN BOULEVARD WEST PALM BEACH, FL 33405
PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com

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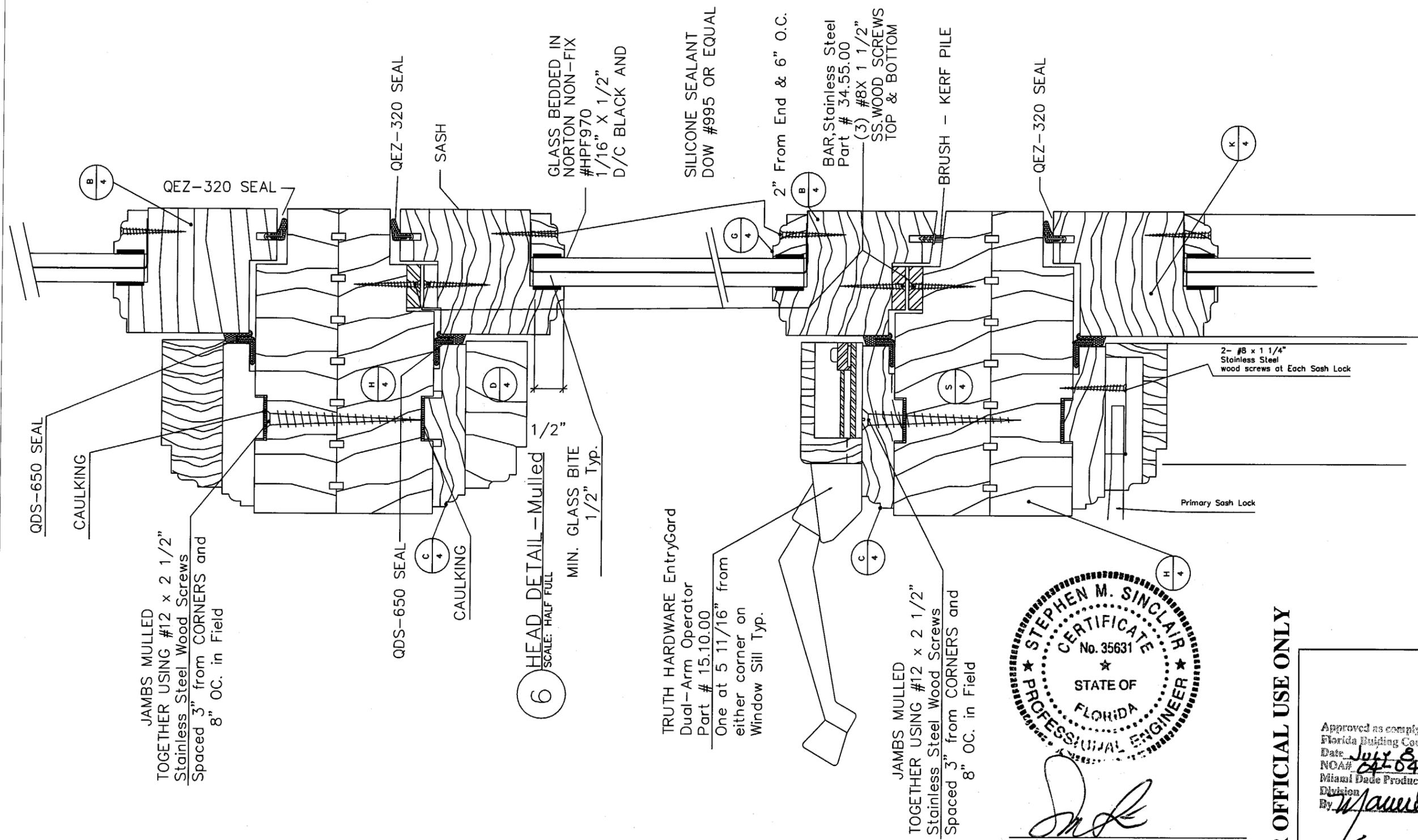
Signature of Stephen M. Sinclair

Steven Sinclair JUL 21 2004
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By *Manuel Perez*

DRAWN DSC
REVISION name change 7/2004
DATE 02-26-2001
SCALE 1/2" = 1'0"
SHEET W - 1
6 OF 7 SHEETS



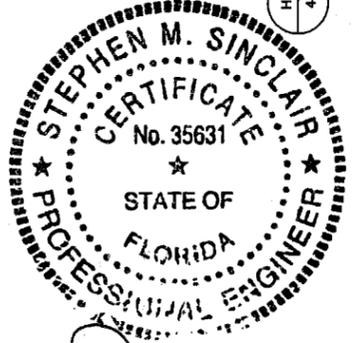
JAMBS MULLED TOGETHER USING #12 x 2 1/2" Stainless Steel Wood Screws Spaced 3" from CORNERS and 8" OC. in Field

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



Signature of Stephen M. Sinclair

Steven Sinclair JUL 21 2004
Professional Engineer
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NOAH # 04-0426.01
Miami Dade Product Control Division
By *Signature*

8 SILL DETAIL - Mullied

DRAWN DWS
REVISION name change 7/2004
DATE 02-08-2001
SCALE HALF FULL
JOB NO.
SHEET W-1
7 OF 7 SHEETS

SINCLAIR ENGINEERING
8259 North Military Trail
PBG, FL 33418
TEL. (561) 640-5488
COA # 5426

TITLE

HARTMAN WINDOWS AND DOORS, LLC

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PHONE 561-296-9600 FAX 561-296-9601 www.hartmanwindows.com