



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Bilt Best Windows and Patio Doors
175 S. Tenth Street
St. Genevieve, MO 63670

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 E-Clad Maxima Insulated Aluminum Clad Wood Casement Window-LMI

APPROVAL DOCUMENT: Drawing No. **06-089**, titled "E-Clad Maxima Insulated Impact Aluminum Clad Wood Casement Window", sheets 1 through 5 of 5, dated 03/15/06, prepared by EngloCo Inc., signed and sealed by Pedro De 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.

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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
12/21/06

NOA No 06-0418.07
Expiration Date: January 11, 2012
Approval Date: January 11, 2007

Bilt Best Windows and Patio Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **06-089**, titled "E-Clad Maxima Insulated Impact Aluminum Clad Wood Casement Window", sheets 1 through 5 of 5, dated 03/15/06, prepared by EngloCo Inc., signed and sealed by Pedro De Figueiredo, 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, TAS202-94.
 - 3) Water Resistance Test, per FBC, TAS 202-94.
 - 4) Large Missile Impact Test, per FBC, TAS 201-94.
 - 5) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum clad wood fixed window , prepared by Architectural Testing, Test Report No. 61495.01-201-18, dated from 12/20/05, signed and Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchor Calculation and Structural analysis, prepared by Engco, Inc., dated 03/16/06, signed and sealed by Pedro De Figueiredo, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No.01-1204.01, issued to E.I. DuPont DeNemours for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 04/16/06, signed and sealed by Pedro De Figueiredo, P.E

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No 06-0418.07

Expiration Date: January 11, 2012

Approval Date: January 11, 2007

GENERAL NOTES:

1- DEFINITION: THIS PRODUCT IS AN ALUMINUM CLAD WOOD CASEMENT WINDOW DESIGNED, CONSTRUCTED AND ERECTED TO ENCLOSE AN AREA, PROVIDING PROTECTION FROM HURRICANE FORCE WINDS AND WINDBORNE DEBRIS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.

2- CODE: THIS PRODUCT HAS BEEN TESTED (TAS201, TAS202 AND TAS203) AND DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2005 SUPPLEMENT). PRODUCT IS ACCEPTABLE FOR USE IN WIND-BORNE DEBRIS REGIONS INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A READILY VISIBLE LOCATION STATING THE FOLLOWING:

'BUILTBEST WINDOWS AND PATIO DOORS
STE. GENEVIEVE - MISSOURI
LARGE MISSILE IMPACT RESISTANT
E-CLAD MAXIMA CASEMENT
DADE COUNTY APPROVED'

4- LOADS: DESIGNED LOADS ARE TO BE BASED ON THE ASCE 7. LOADS SHALL BE PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE DESIGNED PRESSURE RATING STATED IN THIS APPROVAL.

5- MATERIAL: ALL WOOD MATERIAL TO BE FABRICATED FROM CLEAR PONDEROSA PINE AND ALL ALUMINUM MATERIAL TO BE 6063-T5 ALLOY.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.

7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

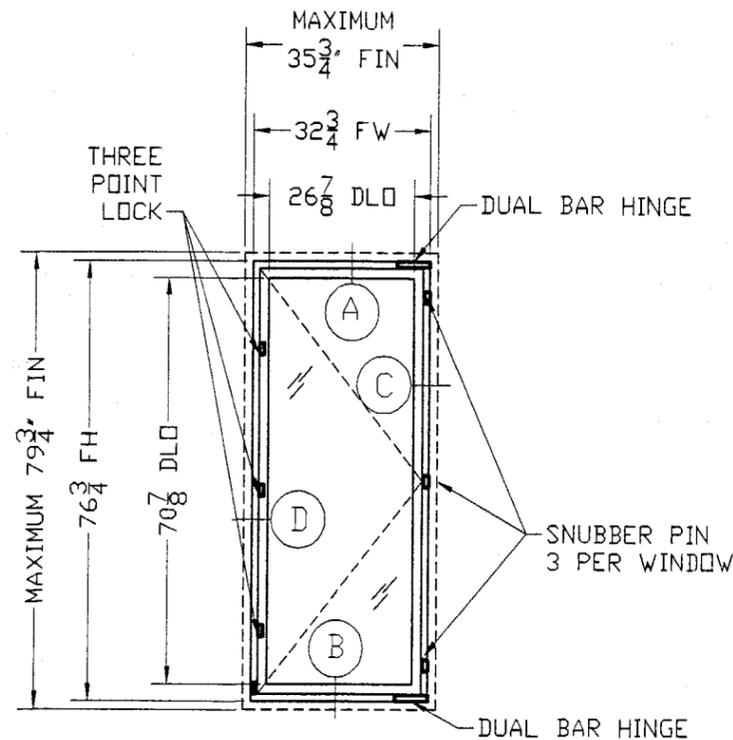
7.1- THE STABILITY OF THE STRUCTURE WHERE THE SHUTTER IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, WIND LOADS, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

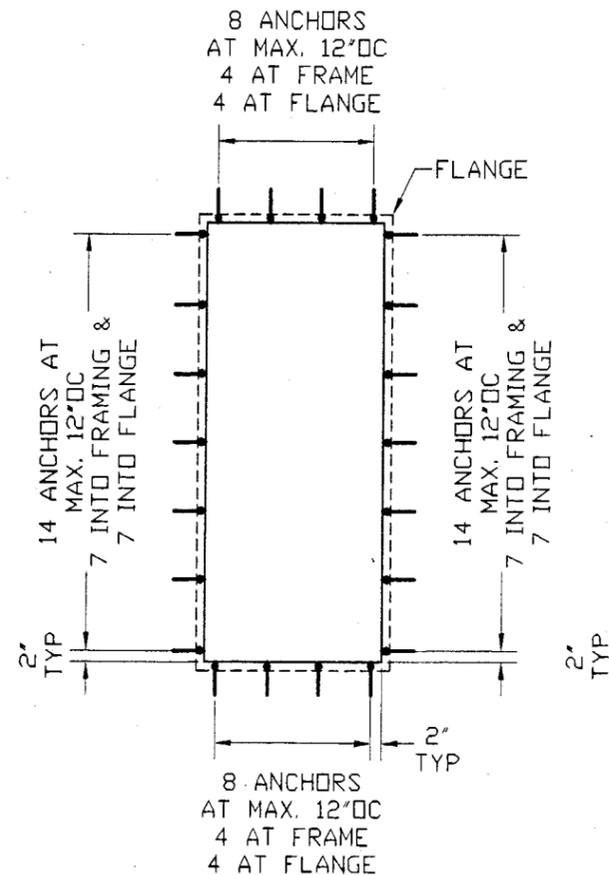
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

**DESIGNED PRESSURE
RATING
Pd = ± 50 PSF**

TYPICAL ELEVATION



ANCHOR LAY-OUT



BILL OF MATERIAL - FRAME

Quantity	Unit	Description
1	Ea	Head Extrusion
1	Ea	Sill Extrusion
2	Ea	Jamb Extrusion
1	Ea	Wood Head
1	Ea	Wood Sill
2	Ea	Wood Jamb
12	Ea	15ga x 7/16\" x 2\" Staple
4	Ea	13ga x 2 3/8\" Ring Shank Nail
1	Ea	Wood Head Stop
1	Ea	Wood Sill Stop
1	Ea	Wood Lock Stop
1	Ea	Wood Hinge Stop
34	Ea	16ga x 7/16\" x 1 3/4\" Staple
4	Ea	Polycarbonate Corner Key
8	Ea	#10x1/2\" SS Screw
as needed	ft	Off-set Bulb Weatherstrip
1	Ea	LH Operator
5	Ea	#8x1\" PFHD SS Screw
1	Ea	Polycarbonate Cover
1	Ea	Right Hand Hinge Track
1	Ea	Left Hand Hinge Track
6	Ea	#7x7/8\" SS PFHD Screw
1	Ea	Lock Handle
1	Ea	58 3/8\" lock Bar Assembly
6	Ea	Lock Bar Retainer
12	Ea	#7x7/8\" SS PFHD Screw
3	Ea	Snubber
6	Ea	#6x1/2\" SS PFHD Screw
as needed	ft	Extruded Nail Fin
as needed	Ea	#6x1/2\" SS PH Screw

BILL OF MATERIAL - SASH

Quantity	Unit	Description
2	Ea	Rail Extrusion
2	Ea	Stile Extrusion
2	Ea	Wood Rail
2	Ea	Wood Stile
4	Ea	Impact Sash Corner Key
8	In	3/16\" Butyl Bead
4	Ea	#8x3\" Flat Head Screw
2	Ea	Wood Rail Glazing Stop
2	Ea	Wood Stile Glazing Stop
as needed	Ea	#6x1 5/8\" Trim Screw
1	Ea	1\" Insulated AN SGP laminated Glass
as needed	In	Glazing Tape
as needed	Oz	Structural Silicone Dow #995
as needed	ft	Tan Leaf weatherstrip
1	Ea	Right Hand Hinge Arm
4	Ea	#7x7/8\" SS PFHD Screw
1	Ea	Left Hand Hinge Arm
4	Ea	#7x7/8\" SS PFHD Screw
1	Ea	Left Hand Bracket
3	Ea	#8x1\" SS PFHD Screw
1	Ea	Sash Track
3	Ea	#7x7/8\" SS PFHD Screw

MANUFACTURER:

BuiltBest

Windows & Patio Doors

175 S. TENTH STREET
STE. GENEVIEVE, MO 63670
Tel.: (573) 883-3571
Fax.: (573) 883-8393

PRODUCT:

E-CLAD MAXIMA

INSULATED IMPACT
ALUMINUM CLAD WOOD
CASEMENT WINDOW

Engineering:

EngCo Inc.

CA 8116

6971 W. Sunrise Blvd. 104
Plantation, FL 33313

Tel.: (954) 585-0304

Fax: (954) 585-0305



NOV 8 1 2006
Pedro L. Miguelez, PE
PE 52609

DRAFTING:

PK DRAFTING & MORE

Date: 03/15/06

Scale: NA

Design by: PPMF

PRODUCT CONTROL DIVISION:

Approved as complying with the
Florida Building Code

Date: 01/11/07

NOA# 06-0478.07

Miami Dade Product Control
Division

By: *[Signature]*

Drawing Number

06-089

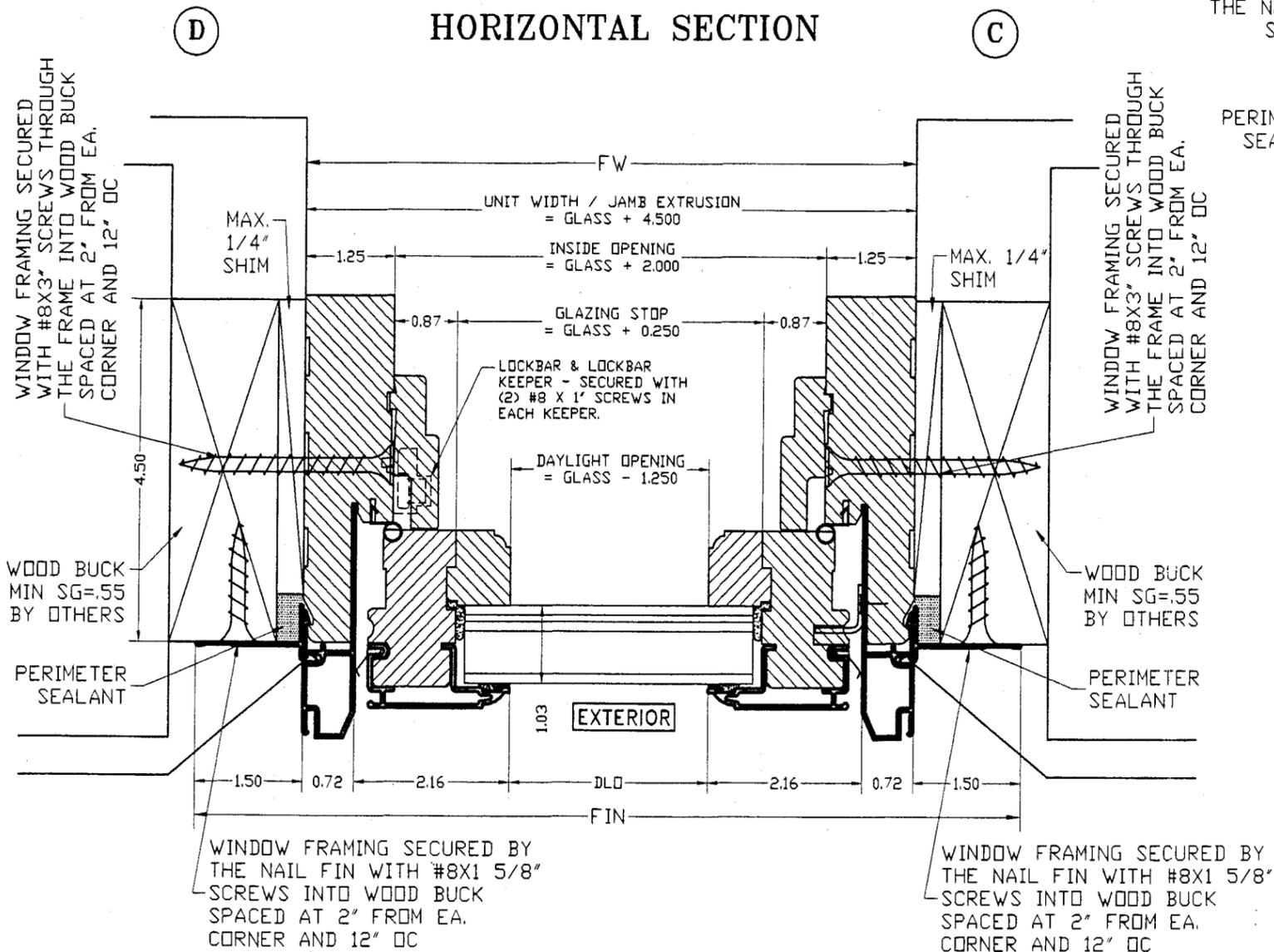
Sheet

1 of 5

INSTALLATION INTO WOOD

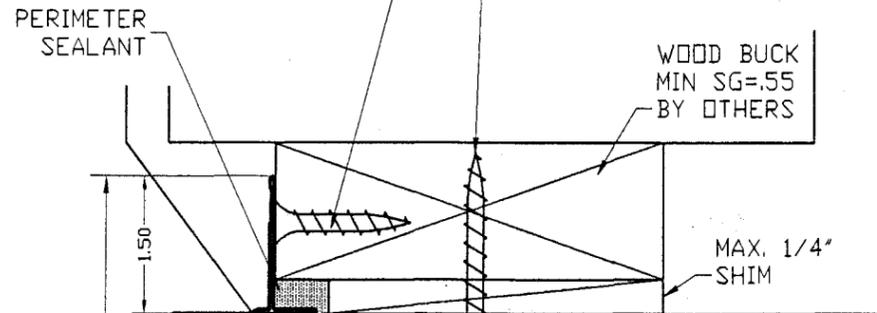
VERTICAL SECTION

HORIZONTAL SECTION



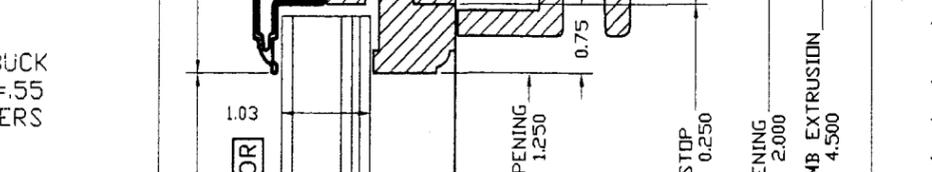
WINDOW FRAMING SECURED BY THE NAIL FIN WITH #8X1 5/8" SCREWS INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC

WINDOW FRAMING SECURED WITH #8X3" SCREWS THROUGH THE FRAME INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC



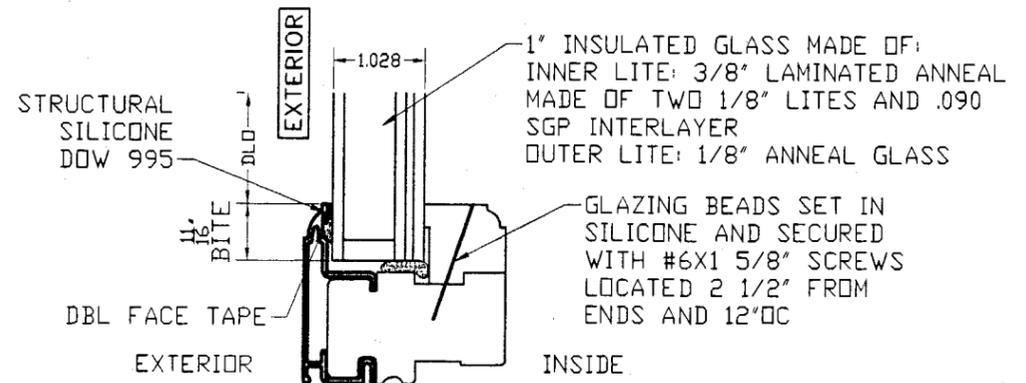
WINDOW FRAMING SECURED BY THE NAIL FIN WITH #8X1 5/8" SCREWS INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC

WINDOW FRAMING SECURED BY THE NAIL FIN WITH #8X1 5/8" SCREWS INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC



WINDOW FRAMING SECURED BY THE NAIL FIN WITH #8X1 5/8" SCREWS INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC

WINDOW FRAMING SECURED WITH #8X3" SCREWS THROUGH THE FRAME INTO WOOD BUCK SPACED AT 2" FROM EA. CORNER AND 12" OC



MANUFACTURER:
BuiltBest
 Windows & Patio Doors
 175 S. TENTH STREET
 STE. GENEVIEVE, MD 63670
 Tel.: (573) 883-3571
 Fax.: (573) 883-8393

PRODUCT:
E-CLAD MAXIMA
 INSULATED IMPACT
 ALUMINUM CLAD WOOD
 CASEMENT WINDOW

Engineering:
EngCo Inc.
 CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305

NOV 01 2006
 Pedro De Figueiredo, PE
 PE 52609

DRAFTING:
PK DRAFTING & MORE

Date: 03/15/06
 Scale: NA
 Design by: PPMF

PRODUCT CONTROL DIVISION:
 Approved as complying with the
 Florida Building Code
 Date: 01/11/07
 NCMA 06-0418.07
 Miami Code Product Control
 Division
 By: *[Signature]*

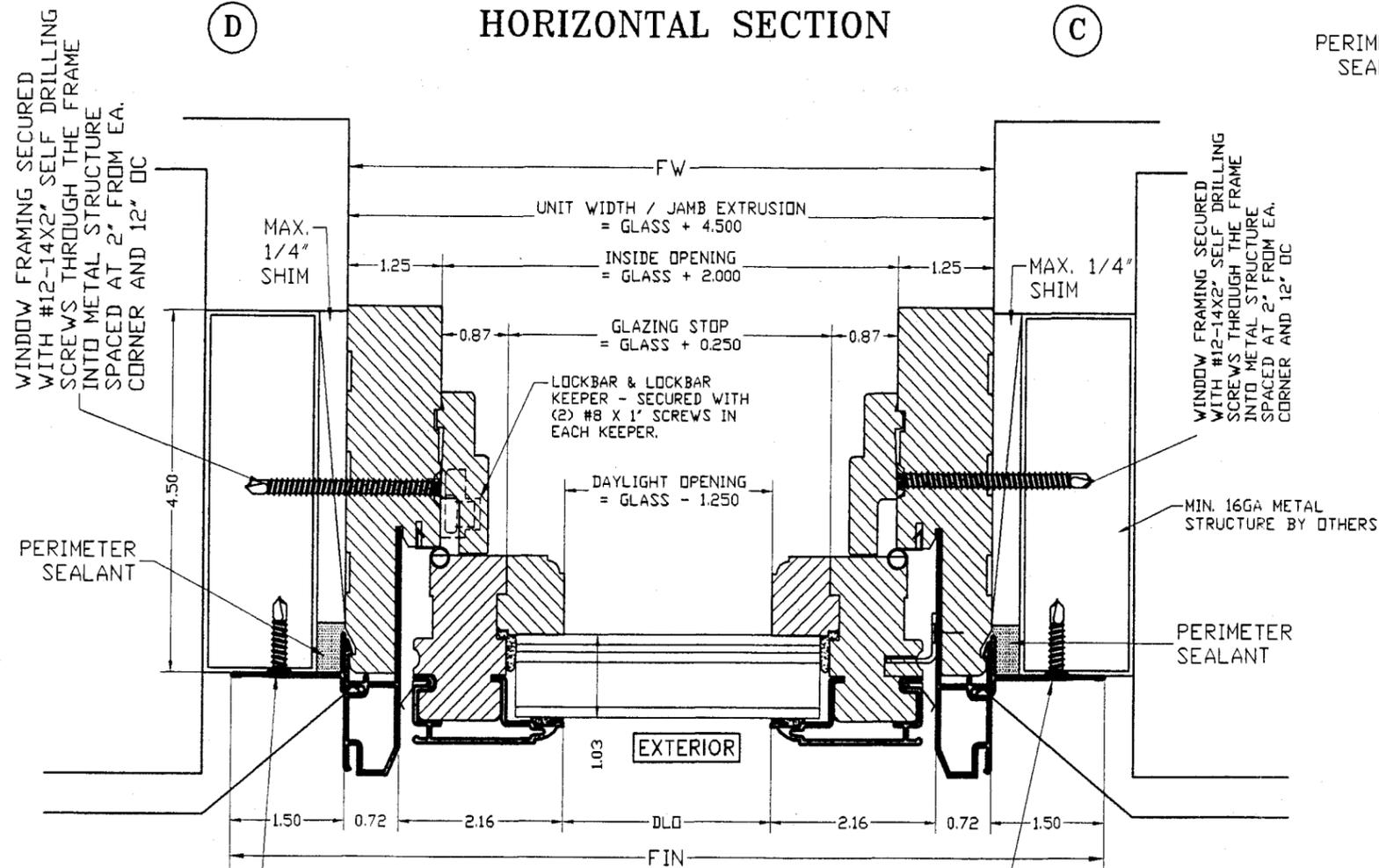
Drawing Number
06-089

Sheet
2 of 5

INSTALLATION INTO METAL

VERTICAL SECTION

HORIZONTAL SECTION

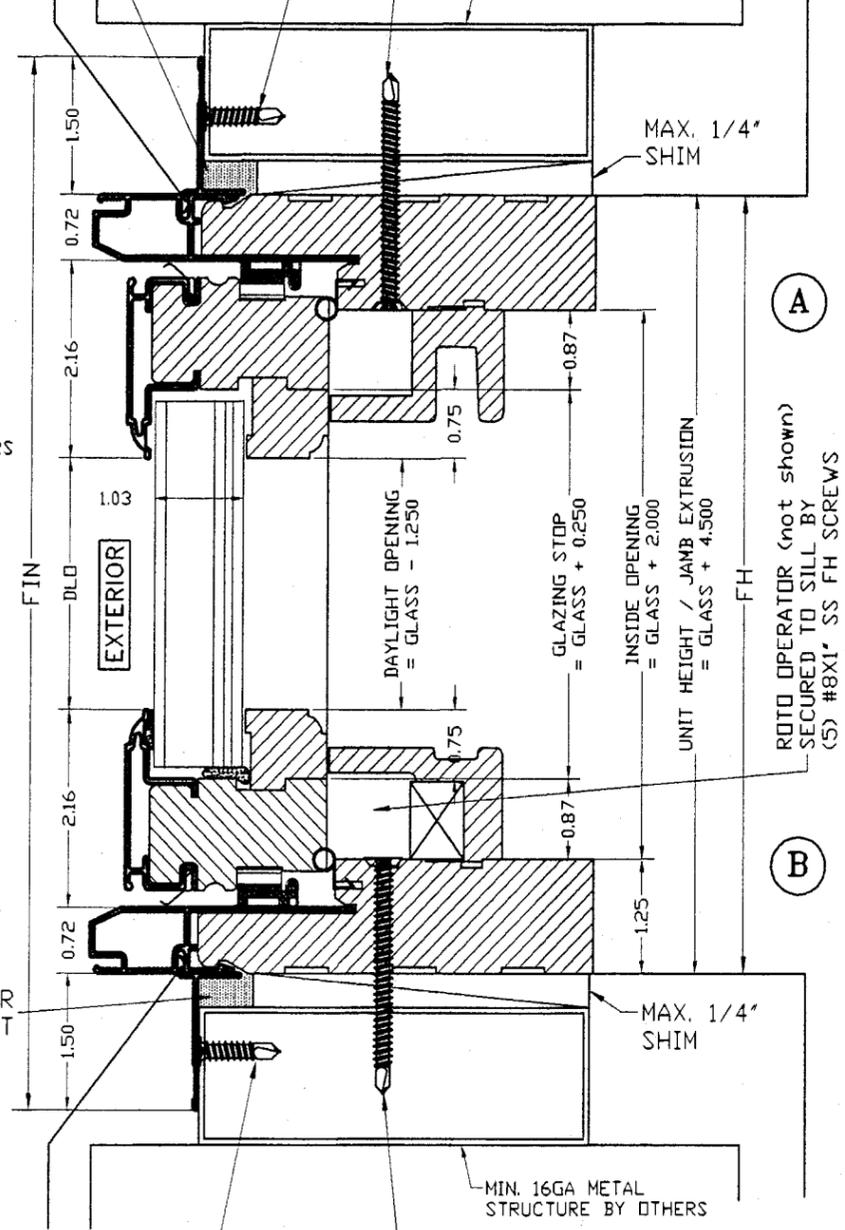


WINDOW FRAMING SECURED BY THE NAIL FIN WITH #12-14X2" SELF DRILLING SCREWS THROUGH THE FRAME INTO METAL STRUCTURE SPACED AT 2" FROM EA. CORNER AND 12" OC

PERIMETER SEALANT

MIN. 16GA METAL STRUCTURE BY OTHERS

MAX. 1/4" SHIM



WINDOW FRAMING SECURED BY THE NAIL FIN WITH #12-14X2" SELF DRILLING SCREWS THROUGH THE FRAME INTO METAL STRUCTURE SPACED AT 2" FROM EA. CORNER AND 12" OC

WINDOW FRAMING SECURED WITH #12-14X2" SELF DRILLING SCREWS THROUGH THE FRAME INTO METAL STRUCTURE SPACED AT 2" FROM EA. CORNER AND 12" OC

MANUFACTURER:
BuiltBest
 Windows & Patio Doors
 175 S. TENTH STREET
 STE. GENEVIEVE, MD 63670
 Tel.: (573) 883-3571
 Fax.: (573) 883-8393

PRODUCT:
E-CLAD MAXIMA
 INSULATED IMPACT
 ALUMINUM CLAD WOOD
 CASEMENT WINDOW

Engineering:
EngCo Inc.
 CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305

[Signature]

NOV 01 2006

Pedro De Figueiredo, PE
 PE 52609

DRAFTING:
PK DRAFTING & MORE

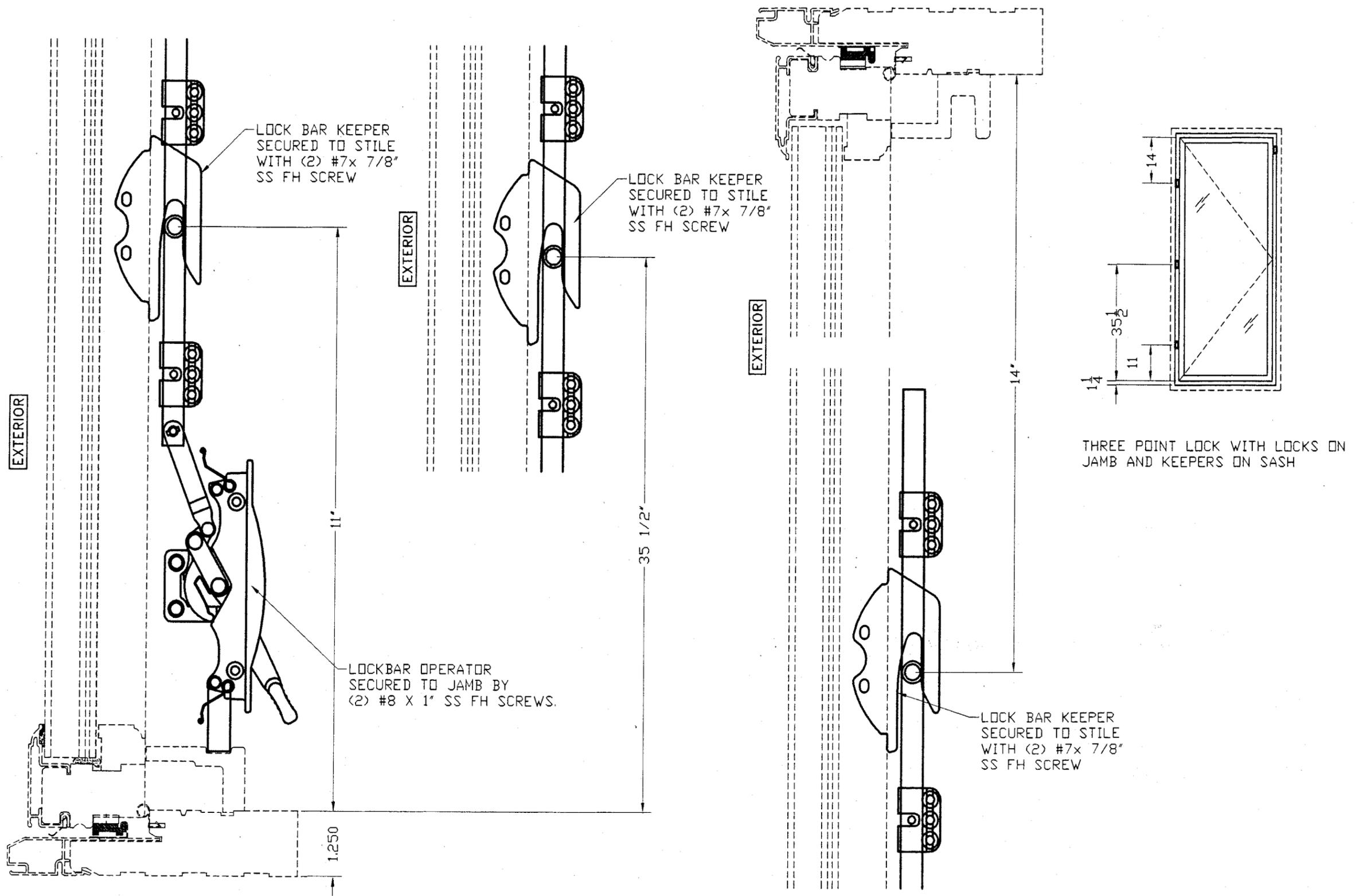
Date: 03/15/06
 Scale: NA
 Design by: PPMF

PRODUCT CONTROL DIVISION:
 Approved as complying with the
 Florida Building Code
 Date 01/11/07
 NMA 06-0418.07
 Miami Dade Product Control
 Division
 By *[Signature]*

Drawing Number
06-089

Sheet
 3 of 5

LOCK AND KEEPER SECTION



MANUFACTURER:
BuiltBest
 Windows & Patio Doors
 175 S. TENTH STREET
 STE. GENEVIEVE, MD 63670
 Tel.: (573) 883-3571
 Fax.: (573) 883-8393

PRODUCT:
E-CLAD MAXIMA
 INSULATED IMPACT
 ALUMINUM CLAD WOOD
 CASEMENT WINDOW

Engineering:
EngCo Inc.
 CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305



NOV 01 2006
 Pedro De Figueiredo, PE
 PE 52609

DRAFTING:
PK DRAFTING & MORE

Date: 03/15/06
 Scale: NA
 Design by: PPMF

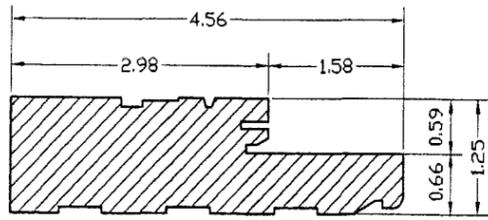
PRODUCT CONTROL DIVISION:

Approved as complying with the
 Florida Building Code
 Date: 01/11/07
 NO. 06-0418-07
 Miami Dade Product Control
 Division
 By: *[Signature]*

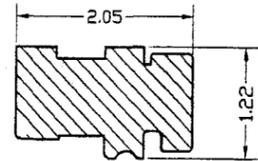
Drawing Number
 06-089

Sheet
 4 of 5

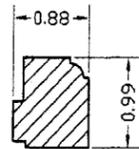
SASH & FRAMING COMPONENTS DETAILS



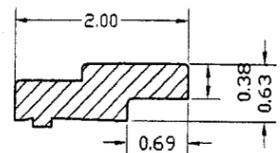
1- 1.25' x 4.562' SOLID PINE JAMB, HEADER & SILL WINDOW FRAMING PROFILE



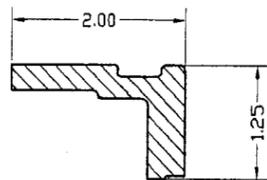
2- 2.05' x 1.220' SOLID PINE VENT RAIL & STILE WINDOW SASH PROFILE



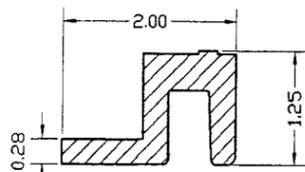
3- .875' x .985' SOLID PINE INTERIOR GLAZING STOP



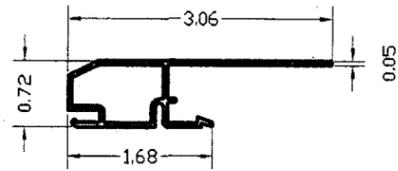
4- 2' x .625' SOLID PINE VENT HINGE JAMB STOP



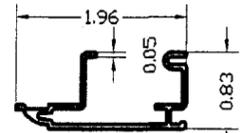
5- 2' x 1.25' SOLID PINE VENT SILL STOP



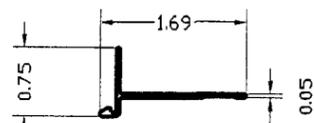
6- 2' x 1.25' SOLID PINE VENT HEADER STOP



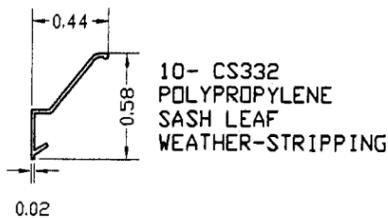
7- 3.06' x .72' 6063-T6 CLAD JAMB, HEADER & SILL WINDOW FRAMING CLADDING



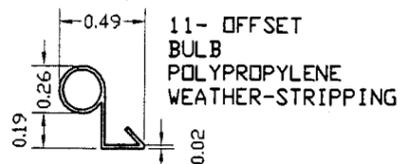
8- .83' x 1.96' 6063-T6 CLAD WINDOW SASH CLADDING



9- .75' x 1.69' 6063-T6 FIN FRAMING NAIL FIN



10- CS332 POLYPROPYLENE SASH LEAF WEATHER-STRIPPING

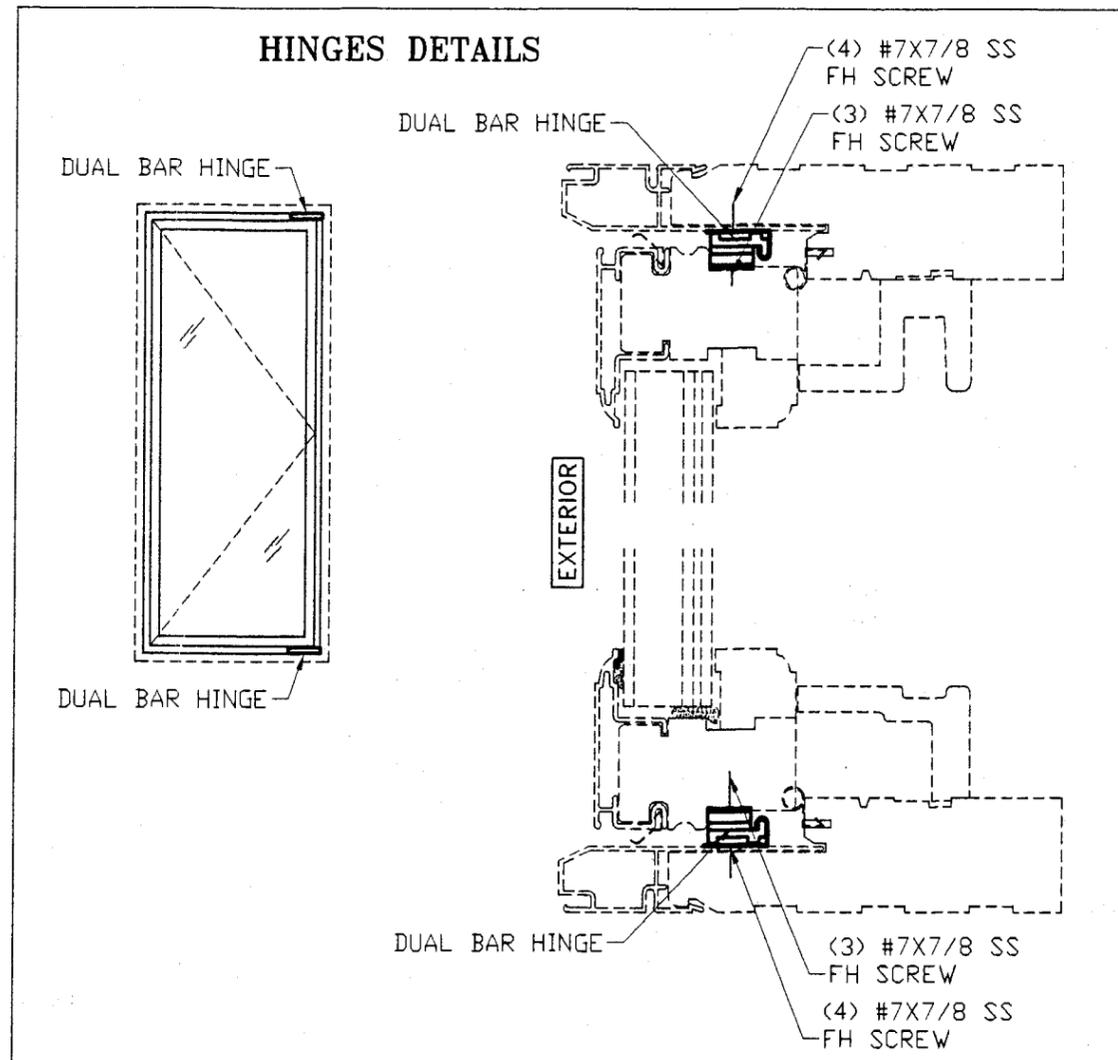


11- OFFSET BULB POLYPROPYLENE WEATHER-STRIPPING

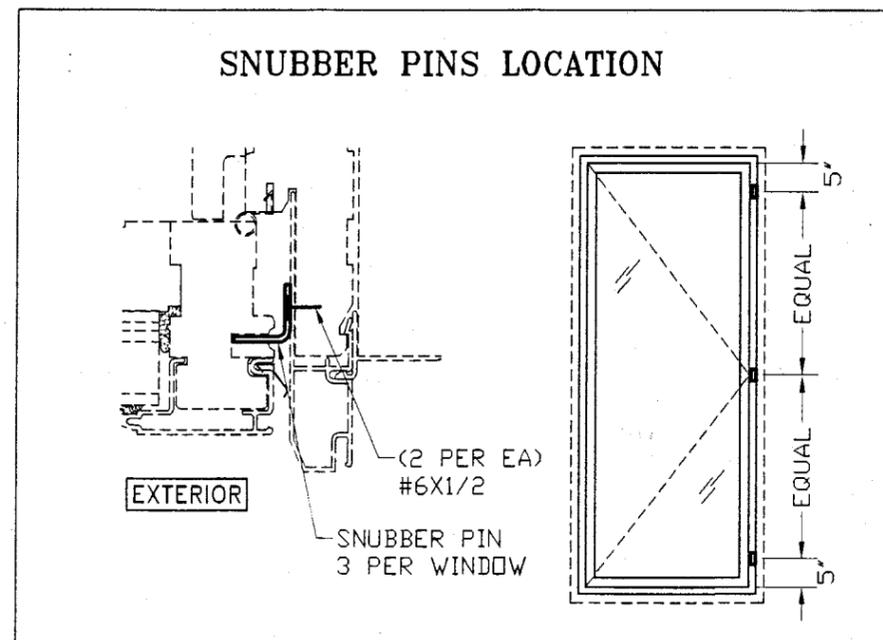
ASSEMBLY FASTENER SPECIFICATIONS:

- GLAZING STOP: #6 x 1.625' TRIM SCREW - NOM 12' C-TO-C
- SASH BRACKET: #8 x 1.000' SS FLAT HD SCREW - (3)
- SASH TRACK: #7 x 0.875' SS FLAT HD SCREW - (3)
- HINGE ARM: #7 x 0.875' SS FLAT HD SCREW - (4 EA)
- HINGE TRACK: #7 x 0.875' SS FLAT HD SCREW - (3 EA)
- LOCKBAR KEEPER: #7 x 0.875' SS FLAT HD SCREW - (2 EA)
- OPERATOR: #8 x 1.000' SS FLAT HD SCREW - (5)
- SNUBBERS: #6 x 0.500' FLAT HD SCREW - (2 EA)
- SASH CORNERS: #8 x 3' FLAT HEAD SCREW - (4)

HINGES DETAILS



SNUBBER PINS LOCATION



MANUFACTURER:
BuiltBest
 Windows & Patio Doors
 175 S. TENTH STREET
 STE. GENEVIEVE, MD 63670
 Tel.: (573) 883-3571
 Fax.: (573) 883-8393

PRODUCT:
E-CLAD MAXIMA
 INSULATED IMPACT
 ALUMINUM CLAD WOOD
 CASEMENT WINDOW

Engineering:
EngCo Inc.

CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305



NOV 01 2006
 Pedro De Figueiredo, PE
 PE 52609

DRAFTING:
PK DRAFTING & MORE

Date: 03/15/06
 Scale: NA
 Design by: PPMF

PRODUCT CONTROL DIVISION:

Approved as complying with the
 Florida Building Code
 Date 01/11/07
 NCAS 06-0419.07
 Miami Dade Product Control
 Division
 By *[Signature]*

Drawing Number
 06-089

Sheet
 5 of 5