



**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)**

**Palm City Millwork, Inc.  
3313 SW 42<sup>nd</sup> Ave.  
Palm City, FL 34990**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Aluminum Clad Wood Casement Window**

**APPROVAL DOCUMENT:** Drawing No. **1203**, titled "Aluminum Clad Wood Casement Window", sheets 1 through 5 of 5, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 1/17/03, signed and sealed by Warren Schaefer, 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**

**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 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-0407.05  
Expiration Date: June 26, 2008  
Approval Date: June 26, 2003  
Page 1**

**Palm City Millwork, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1203**, titled "Aluminum Clad Wood Casement Window", sheets 1 through 5 of 5, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 1/17/03, signed and sealed by Warren Schaefer, 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, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of a casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL 0067-0101-03 dated 12/30/02, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 3/17/03, signed and sealed by Warren Schaefer, P.E.

**D. MATERIAL CERTIFICATIONS**

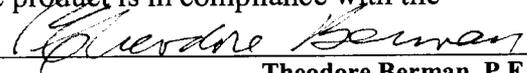
1. Notice of Acceptance No. **03-0421.01** issued to Solutia, Inc. for "Saflex HP" dated 5/22/03, expiring on 4/14/08.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex Keepsafe maximum" dated 5/17/01, expiring on 5/21/06.
3. Notice of Acceptance No. **01-0205.02** issued to UCB Chemicals Corporation for "Uvekol - Liq. Resin to adhere Glass" dated 2/08/01, expiring on 2/08/04.

**E. STATEMENTS**

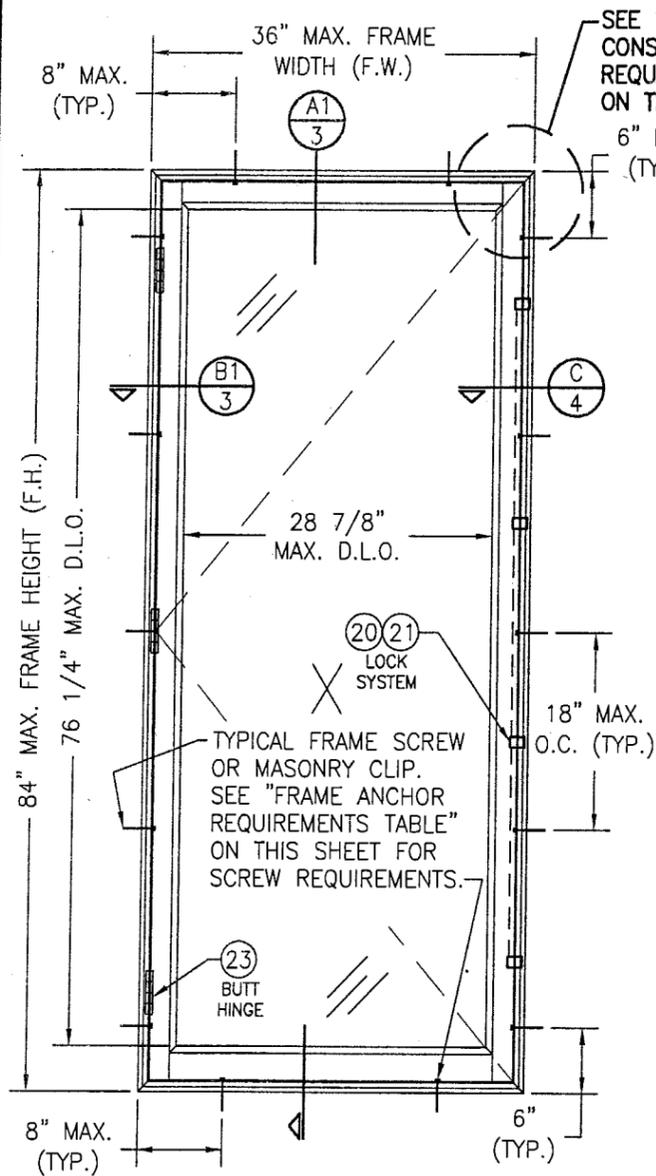
1. Statement letter of conformance, dated 3/18/03, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 3/18/03, signed and sealed by Warren Schaefer, P.E.
4. Laboratory compliance letter for Test Report no. HTL 0067-0101-03, issued by Hurricane Test Laboratory, Inc., dated 3/21/03, signed and sealed by Vinu Abraham, P.E.

**F. OTHER**

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

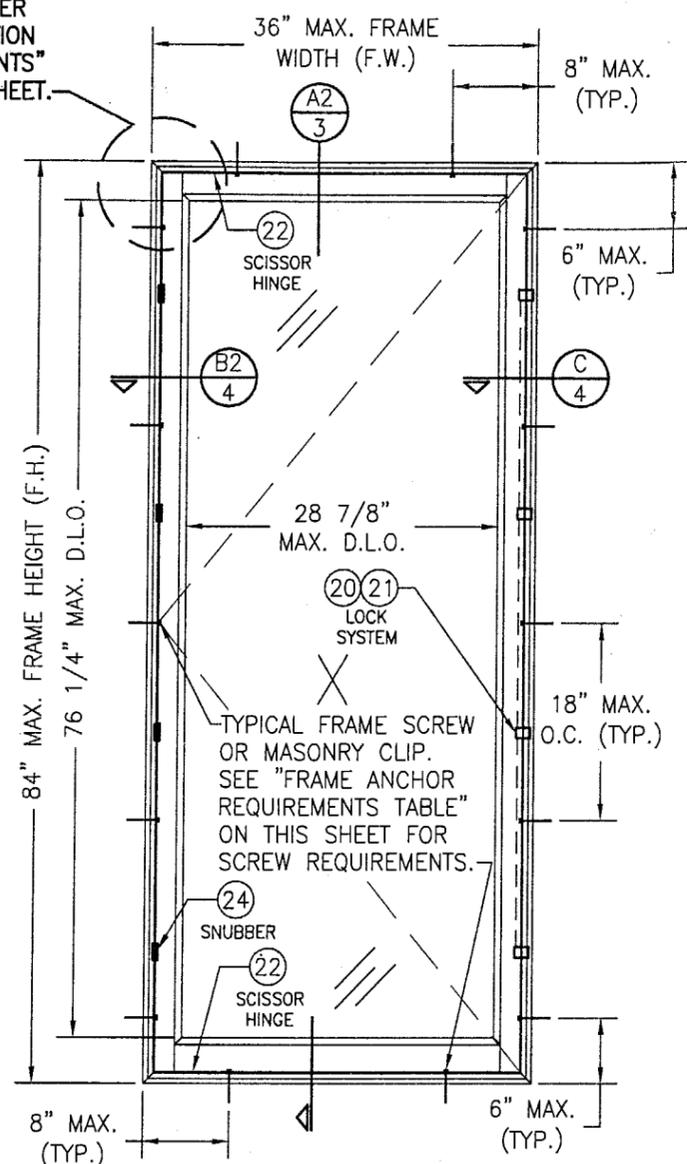


Theodore Berman, P.E.  
Deputy Director, Product Control Division  
NOA No 03-0407.05  
Expiration Date: June 26, 2008  
Approval Date: June 26, 2003



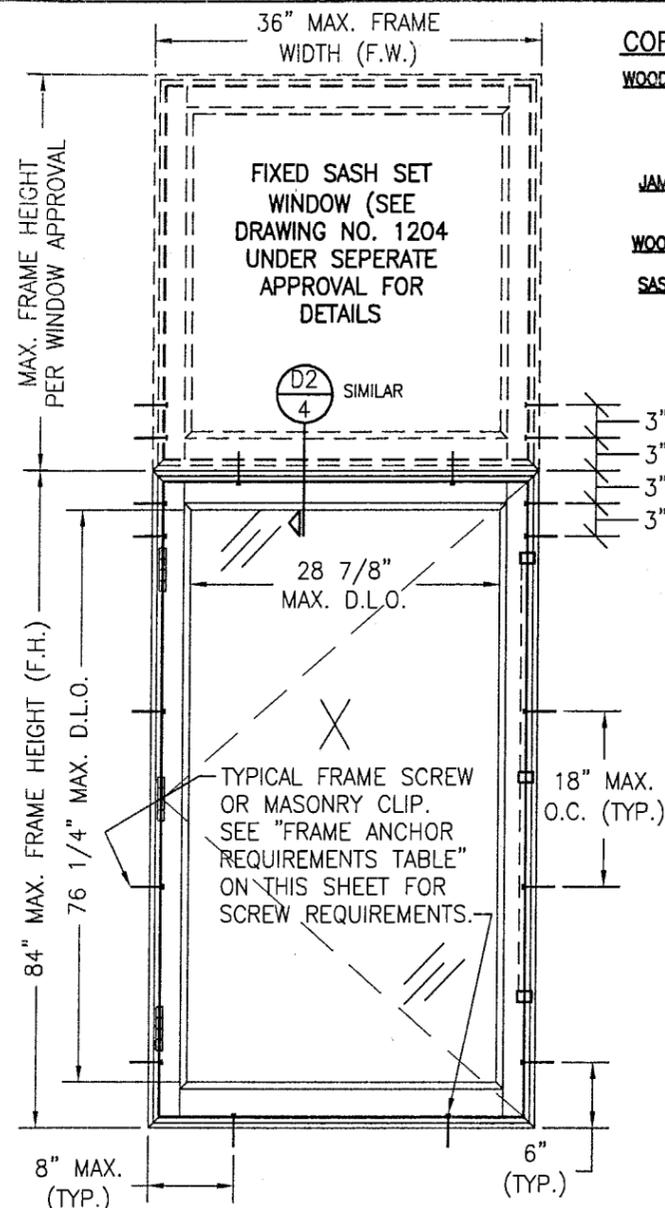
**EXTERIOR ELEVATION; SINGLE CASEMENT WINDOW (WITH BUTT HINGES)**

SCALE: 3/4" = 1'-0"



**EXTERIOR ELEVATION; SINGLE CASEMENT WINDOW (WITH SCISSOR HINGES & SNUBBERS)**

SCALE: 3/4" = 1'-0"



**EXTERIOR ELEVATION; SINGLE CASEMENT WINDOW WITH TRANSOM**

SCALE: NTS

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS ON THIS SHEET)

**CORNER CONSTRUCTION:**

**WOOD JAMBS:** MITERED AND JOINED WITH STRUCTURAL SILICONE AND SECURED WITH THREE (3) NO. 8 X 2" S.S. WOOD SCREWS THRU HEAD AND SILL JAMBS INTO SIDE JAMBS & (2) NO. 8 X 2" S.S. WOOD SCREWS THRU SIDE JAMBS INTO HEAD AND SILL JAMBS

**JAMB CLAD:** MITERED AND SECURED WITH ONE (1) NO. 6 X 1 1/4" S.S. WOOD SCREW THRU HEAD CLAD INTO SIDE JAMB CLAD SCREW BOSS

**WOOD SASH:** BUTTED WITH MORTISE & TENON AND GLUED WITH FRANKLIN MULTI-BOND WOOD GLUE

**SASH CLAD:** SLID ONTO WOOD MEMBERS WITH RAIL CLAD BUTTED TO STILE CLAD & SEALED WITH SILICONE.

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
60 PSF	70 PSF

BUTT HINGE REQUIREMENTS TABLE	
WINDOW HEIGHT	NO. OF HINGES REQUIRED
51" & LESS	2
ABOVE 51"	3

LOCK & SNUBBER REQUIREMENTS TABLE	
WINDOW HEIGHT	NO. OF LOCK POINTS REQUIRED
42" & LESS	2
43" to 61"	3
ABOVE 61"	4

Approved as complying with the Florida Building Code  
 Date: 06/26/03  
 NOA# 03-0402.05  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

**GENERAL NOTES**

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

* FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	1"
CMU/CONCRETE	(1)3/16" CONCRETE SCREWS	1 1/4"	2"

(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

\* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREW SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS.

NO.	REVISION DESCRIPTION	DATE	BY
1-16		01/17/03	

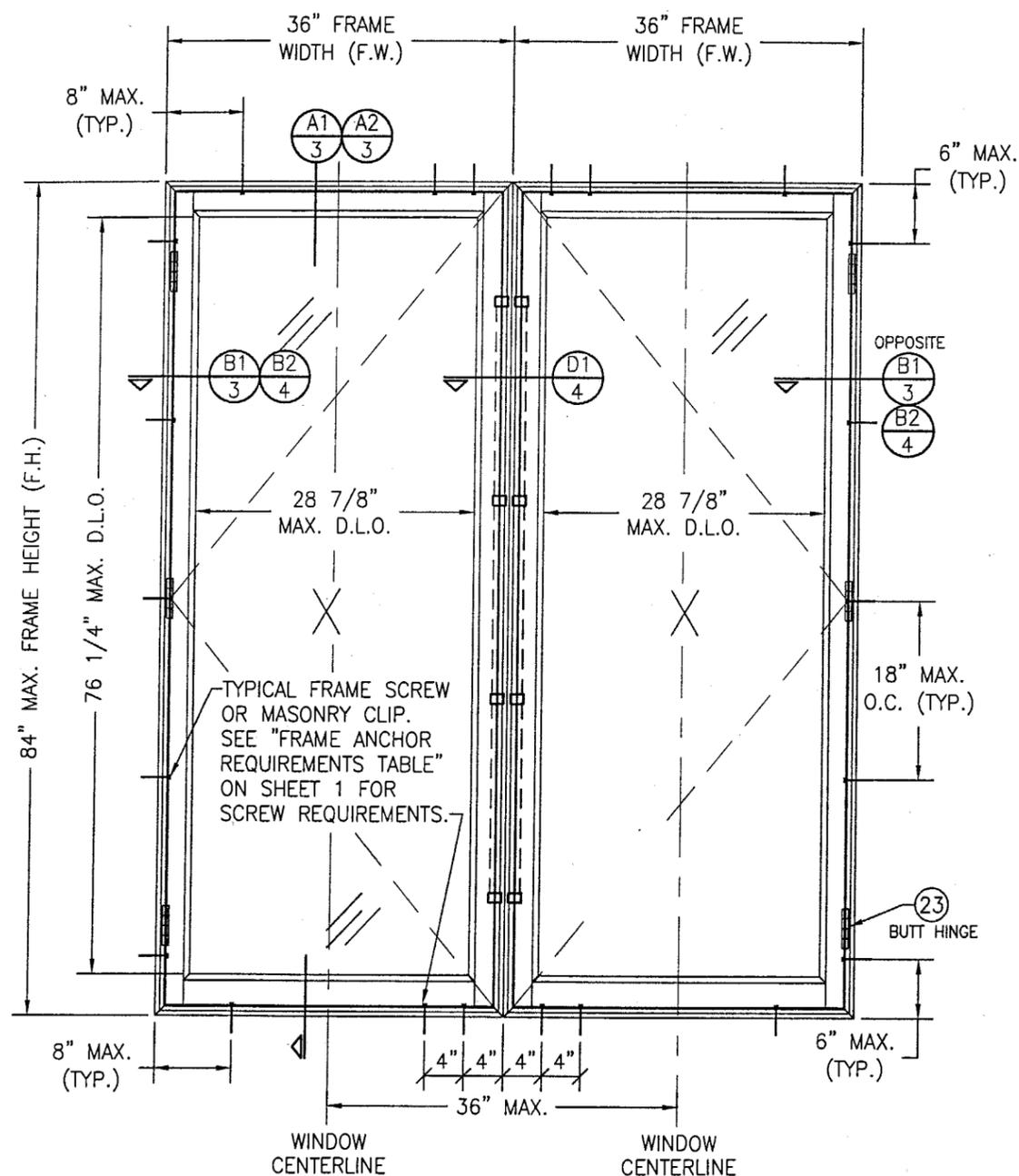
**ALUMINUM CLAD WOOD CASEMENT WINDOW**

**MANUFACTURER**  
 PALM CITY MILLWORK, INC.  
 3313 S.W. 42ND AVE.  
 PALM CITY, FL 34990  
 800-273-5598

**CONSULTANTS**  
 W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 600 SANDTREE DRIVE, SUITE 203B  
 PALM BEACH GARDENS, FL 33403  
 PHONE: 561-775-4902 FAX: 561-775-4903

**CERTIFICATION**  
 MAR 18 2003

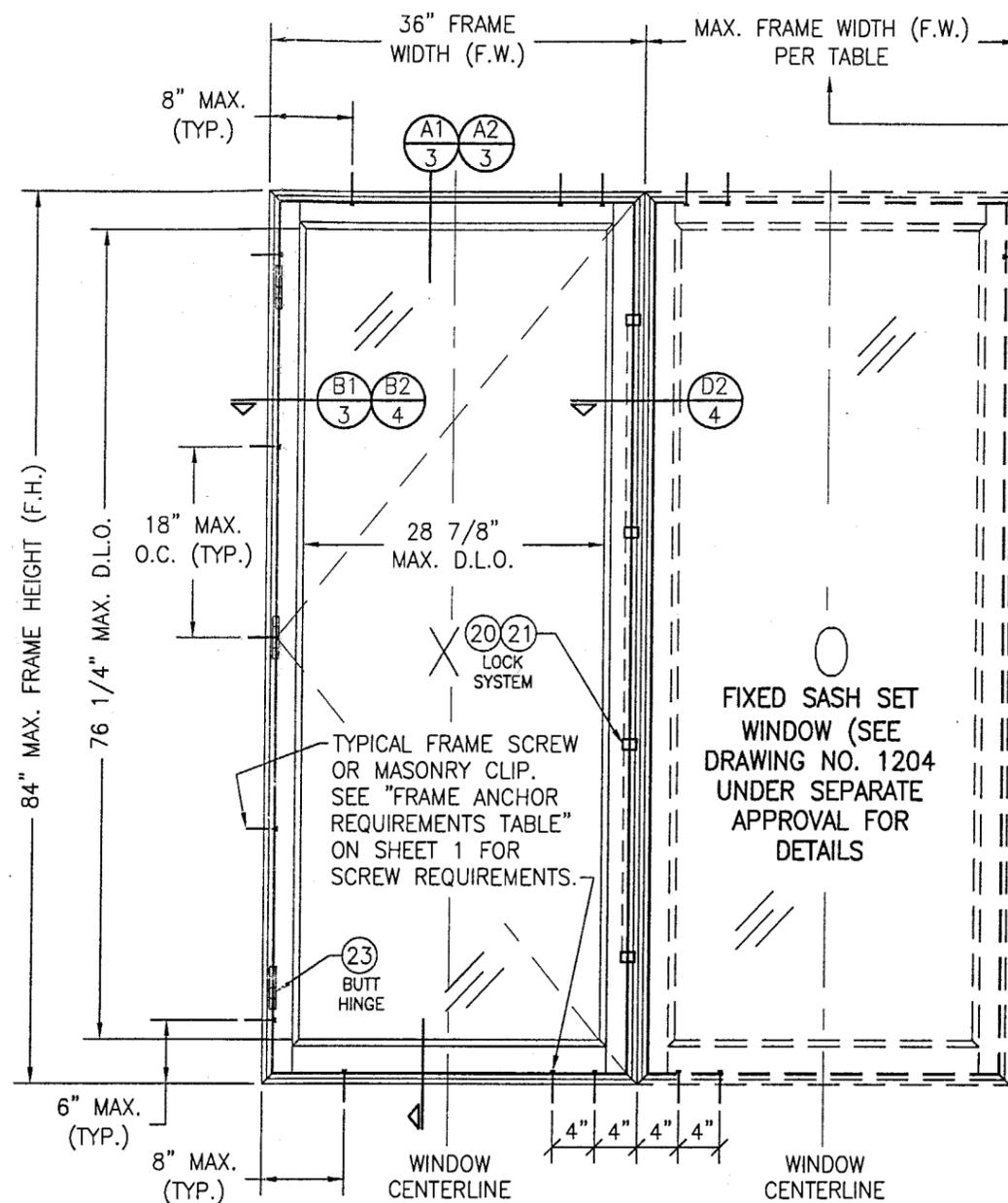
**DRAWING NO.** 1203  
**SHEET NO.** 1 OF 5



**EXTERIOR ELEVATION; MULTIPLE CASEMENT WINDOWS (UP TO 4 UNITS MAY BE COMBINED IN ONE OPENING.)**

SCALE: 3/4" = 1'-0"

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS ON SHEET 1)  
(BUT HINGE CONDITION SHOWN. SCISSOR HINGE & SNUBBER CONDITION ALSO APPLIES)



**EXTERIOR ELEVATION: MULTIPLE OPERABLE/FIXED CASEMENT WINDOWS (UP TO 4 UNITS OF ANY FIXED/OPERABLE UNIT COMBINATION MAY BE COMBINED IN ONE OPENING.)**

SCALE: 3/4" = 1'-0"

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS ON SHEET 1)  
(BUT HINGE CONDITION SHOWN. SCISSOR HINGE & SNUBBER CONDITION ALSO APPLIES)

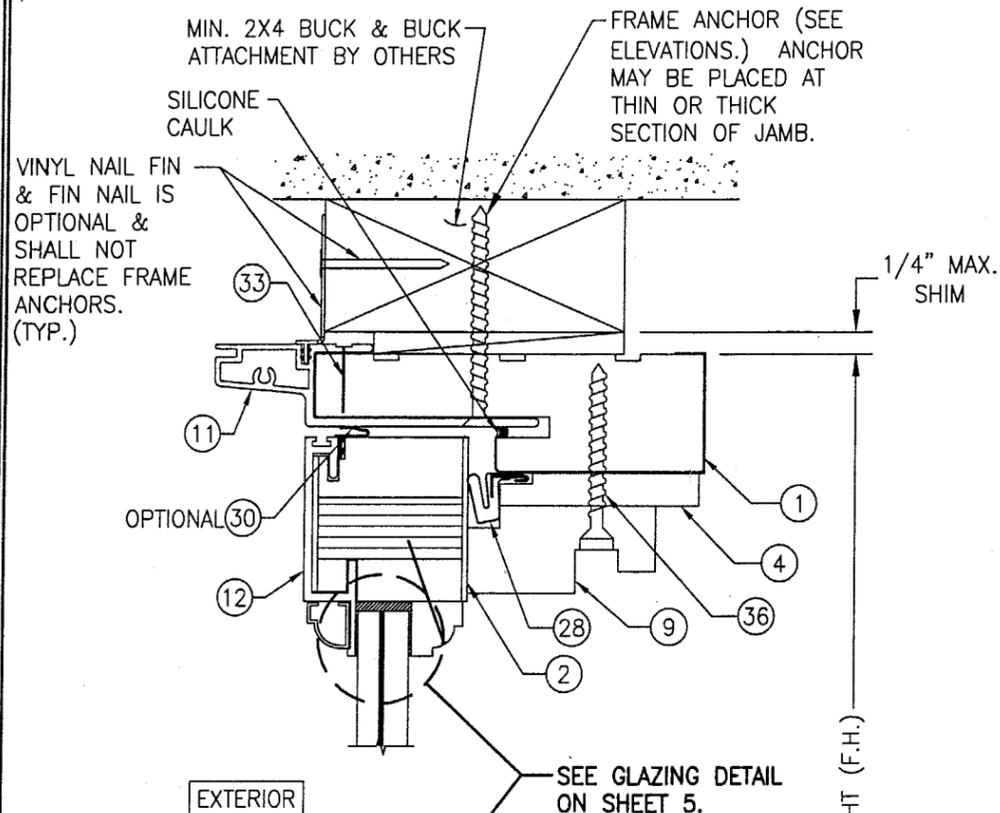
FIXED WINDOW SIZE	
FRAME HEIGHT	MAX. FRAME WIDTH
84"	36"
81"	37"
78"	39"
75"	40"
72"	42"
69"	44"
66"	46"
63"	48"
60"	50"
57"	53"
54"	54" OR GREATER

Approved as complying with the Florida Building Code  
Date 06/26/03  
NOA# 03-0407.05  
Miami Dade Product Control  
By *Warren Schaefer*

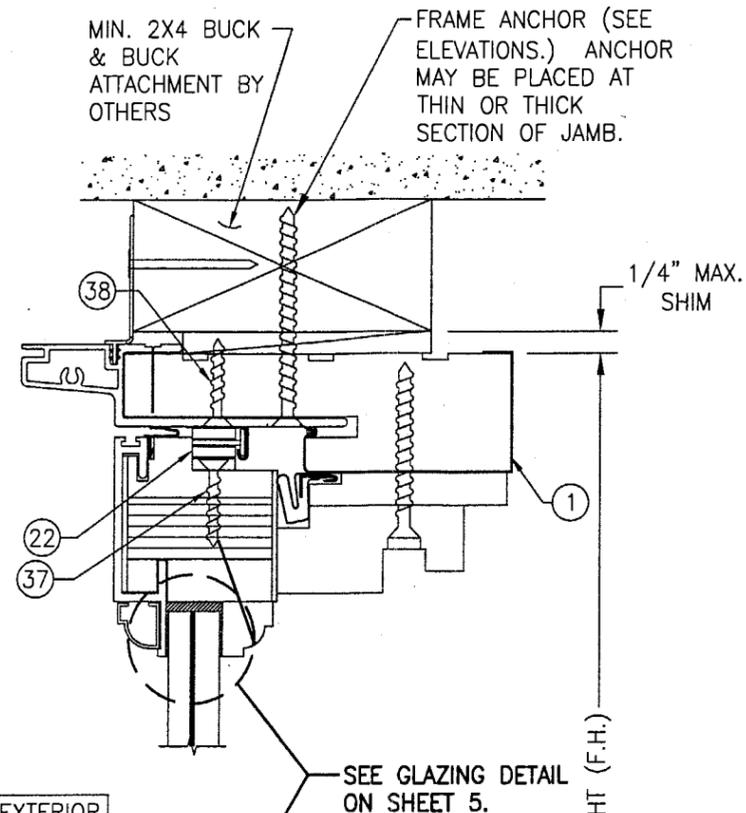
**MULTIPLE UNIT NOTES:**

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN IN THE ELEVATIONS.
2. THE ALLOWABLE PRESSURE ON MULLED UNITS IS +60/-70 PSF UNLESS RESTRICTED OTHERWISE BY THE FIXED WINDOW.

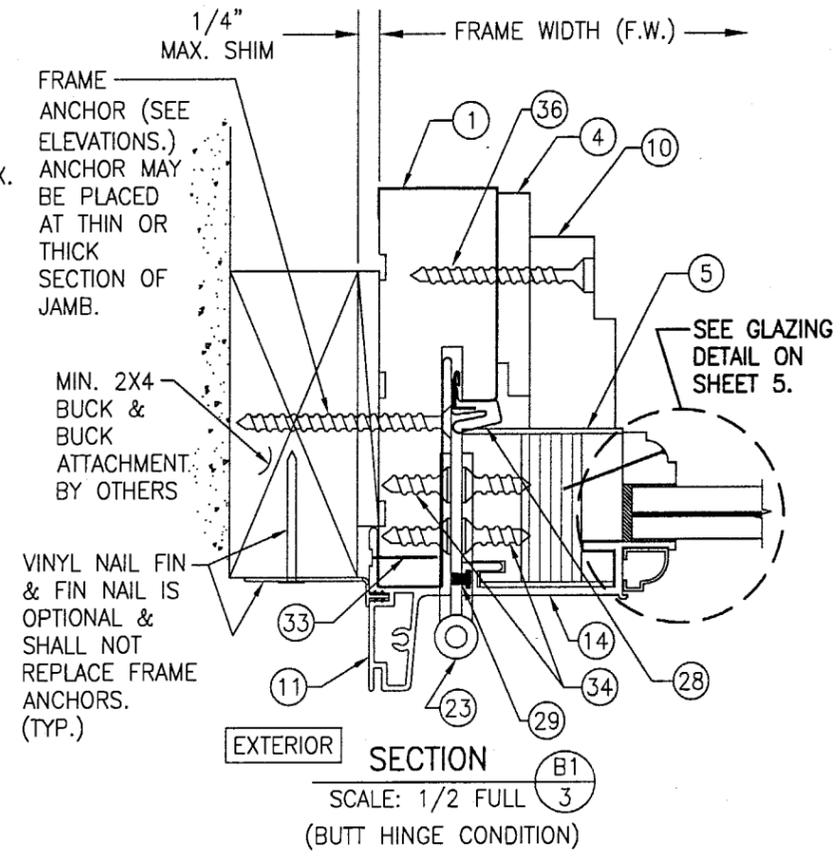
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 01/17/03
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE <b>ALUMINUM CLAD WOOD CASEMENT WINDOW</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER <b>PALM CITY MILLWORK, INC.</b> 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598
CERTIFICATION <b>MAR 18 2003</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1203</b>	REV.
SHEET NO. <b>2</b>	OF <b>5</b>



SECTION A1  
SCALE: 1/2 FULL 3



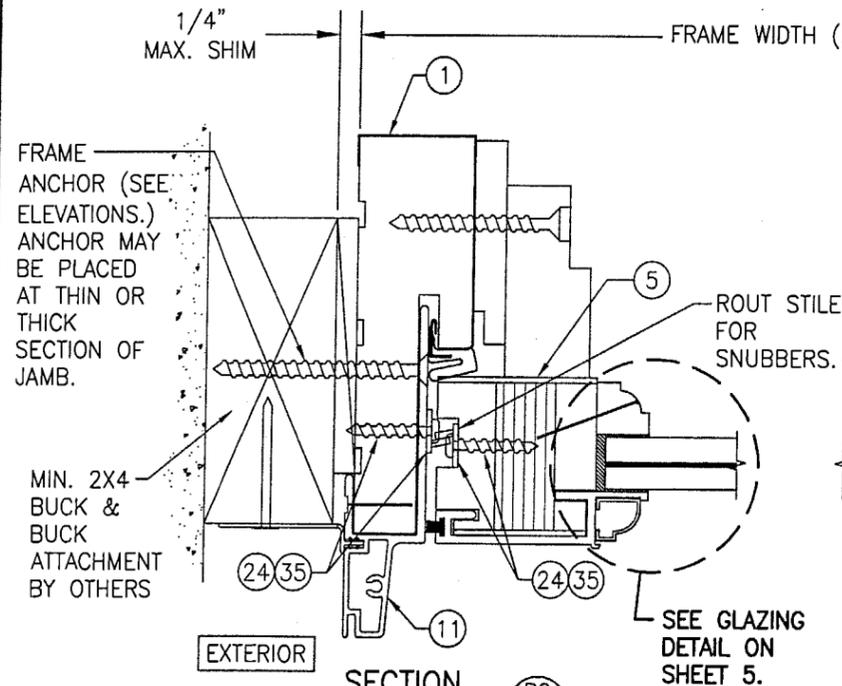
SECTION A2  
SCALE: 1/2 FULL 3  
(FOR DETAIL NOT SHOWN, SEE SECTION "A1".)



SECTION B1  
SCALE: 1/2 FULL 3  
(BUTT HINGE CONDITION)

Approved as complying with the  
Florida Building Code  
Date 06/26/03  
NOA# 03-0407.05  
Miami Code Product Control  
Division  
By Cherrell Bowman

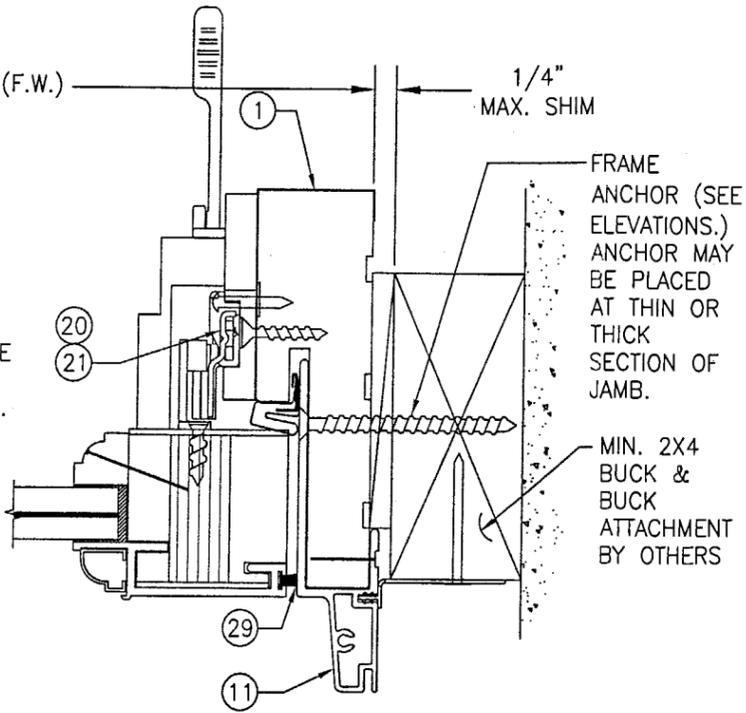
DRAWN BY: T.J.W.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/17/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: ALUMINUM CLAD WOOD CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: PALM CITY MILLWORK, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION: MAR 18 2003			
DRAWING NO. 1203		REV.	
SHEET NO. 3 OF 5			



SECTION B2

SCALE: 1/2 FULL 4

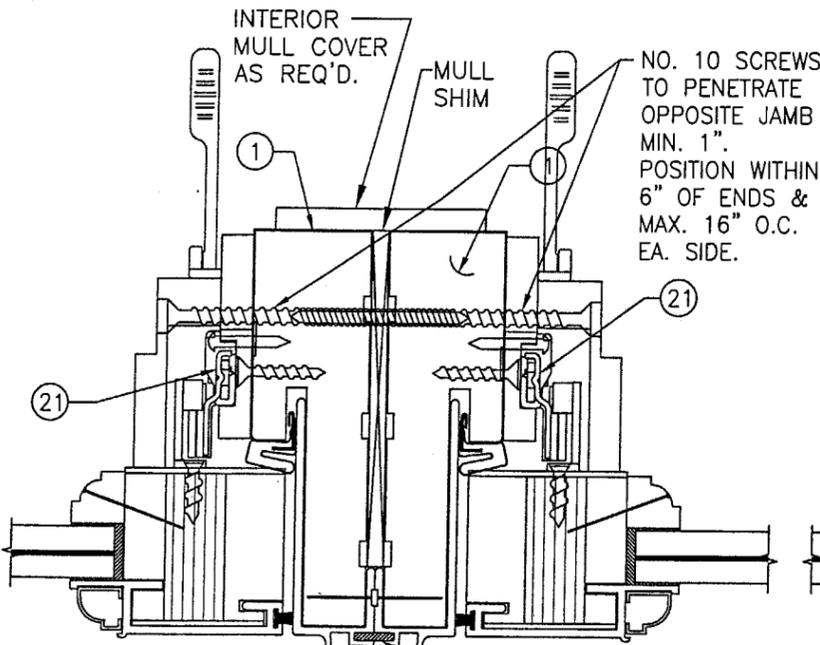
(SCISSOR HINGE/SNUBBER CONDITION)  
(FOR DETAIL NOT SHOWN, SEE SECTION "B1".)



SECTION C

SCALE: 1/2 FULL 4

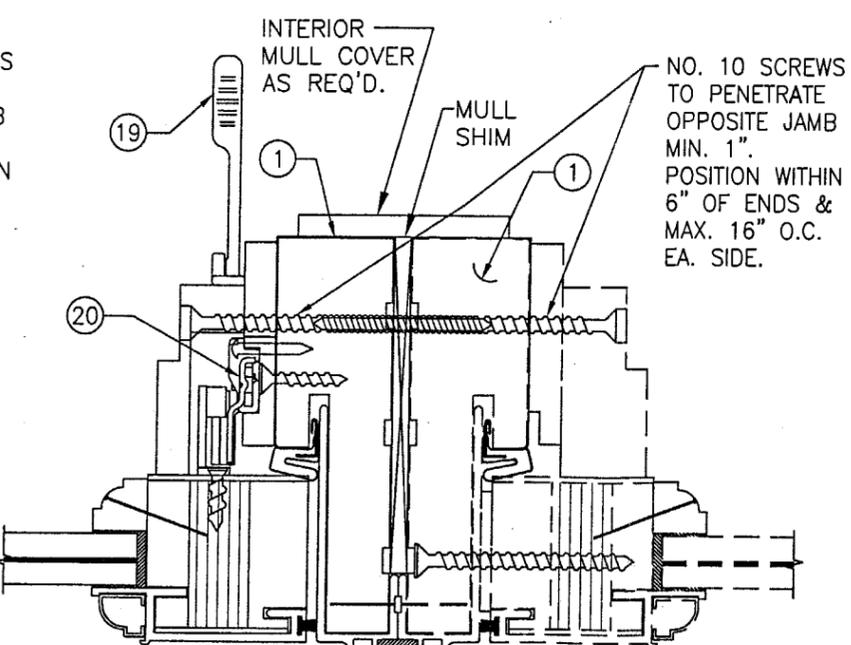
(FOR DETAIL NOT SHOWN, SEE SECTION "B1".)



SECTION D1

SCALE: 1/2 FULL 4

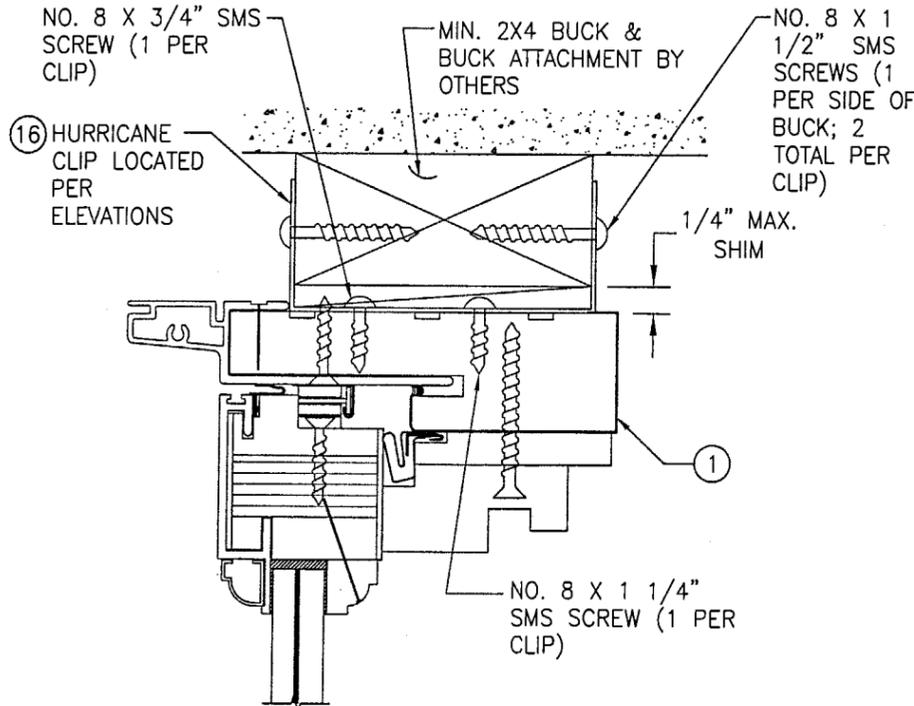
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.)



SECTION D2

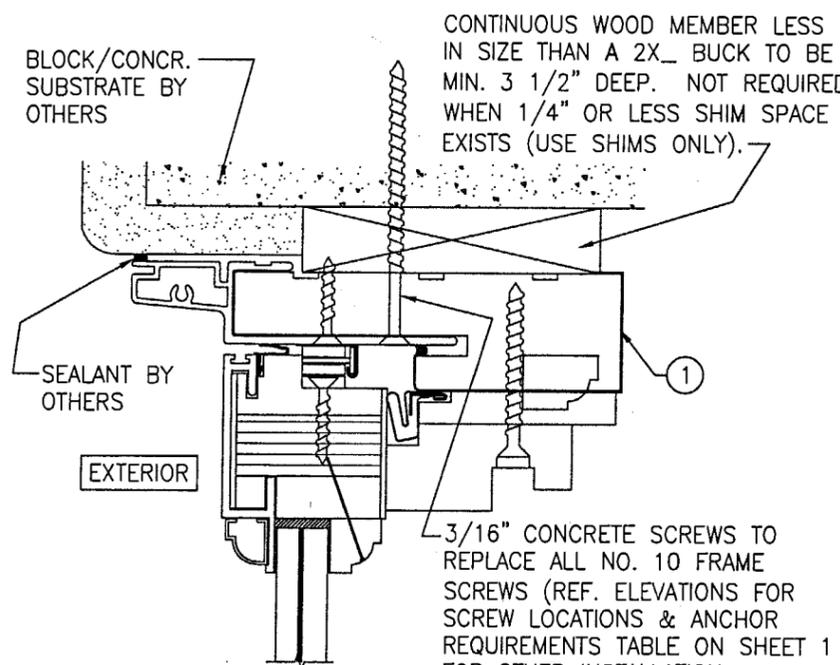
SCALE: 1/2 FULL 4

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.)



OPTIONAL CLIP MOUNT DETAIL

HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE OTHER SECTIONS FOR DETAIL NOT SHOWN

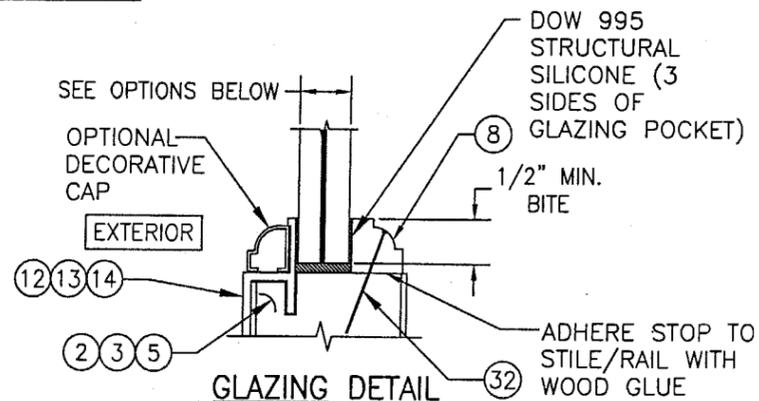
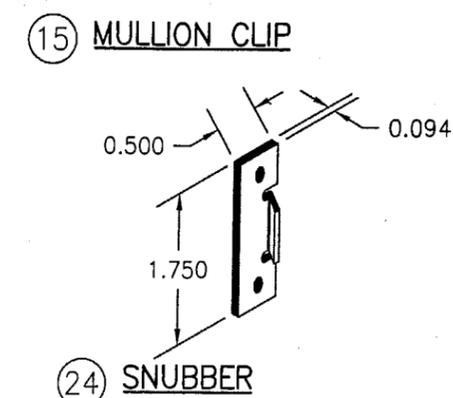
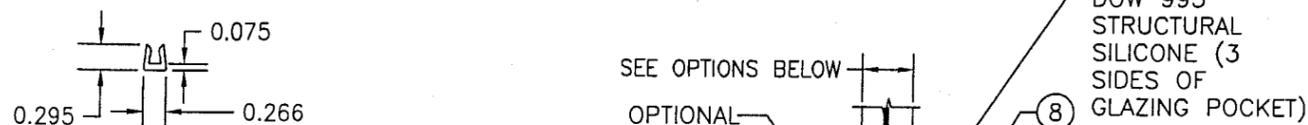
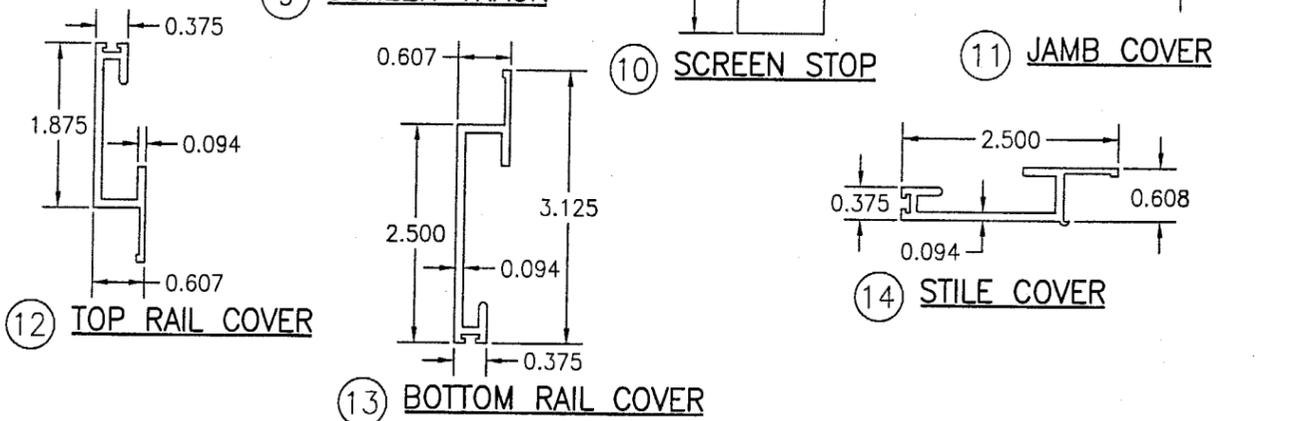
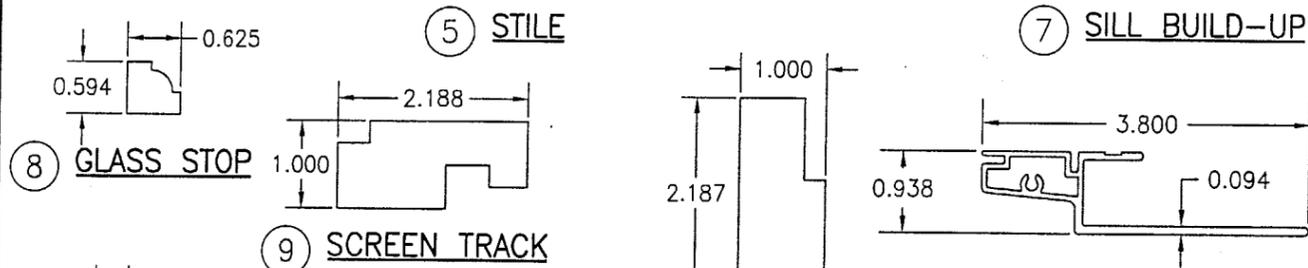
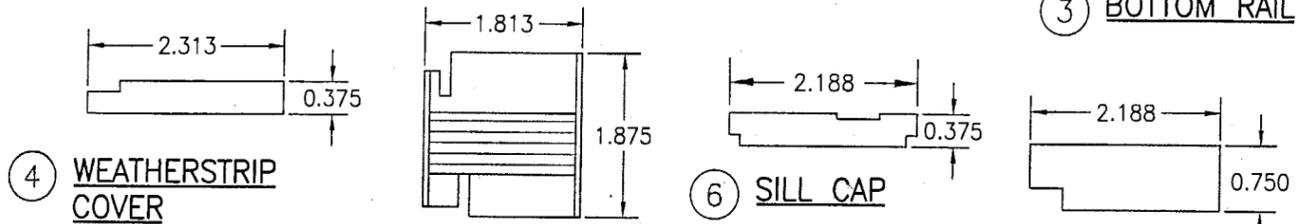
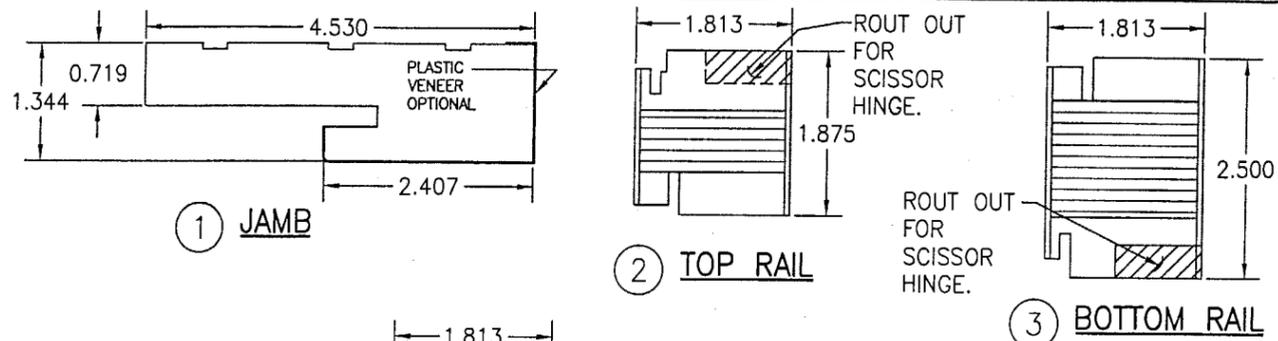


OPTIONAL DIRECT MOUNT DETAIL

HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE OTHER SECTIONS FOR DETAIL NOT SHOWN

Approved as complying with the  
Florida Building Code  
Date 06/26/03  
NOA# 03-0407.05  
Miami Dade Product Control  
Div. By *Wendell Berman*

DRAWN BY: T.J.W.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/17/03	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: ALUMINUM CLAD WOOD CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: PALM CITY MILLWORK, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION: MAR 18 2003			
DRAWING NO. 1203		REV.	
SHEET NO. 4 OF 5			



- OPTION #1: 7/16" THICK SOLUTIA SAFLEX HP LAMINATED ANNEALED GLASS (3/16" AN/0.10" SAFLEX HP/3/16" AN)
- OPTION #2: 1/2" THICK SMITH MOUNTAIN UVEKOL LAMINATED ANNEALED GLASS (3/16" AN/0.120" UVEKOL/3/16" AN)
- OPTION #3: 7/16" THICK SOLUTIA SAFLEX PVB LAMINATED ANNEALED GLASS (3/16" AN/0.09" SAFLEX PVB/3/16" AN)

**BILL OF MATERIALS**

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	WHITE PINE (SUGAR)
2	TOP RAIL	LVL CORE WITH MAHOGANY VENEER
3	BOTTOM RAIL	LVL CORE WITH MAHOGANY VENEER
4	WEATHERSTRIP COVER	MAHOGANY
5	STILE	LVL CORE WITH MAHOGANY VENEER
6	SILL CAP	MAHOGANY
7	SILL BUILD-UP	MAHOGANY
8	GLASS STOP	MAHOGANY
9	SCREEN TRACK	MAHOGANY
10	SCREEN STOP	MAHOGANY
11	JAMB COVER	6063-T5 ALUMINUM
12	TOP RAIL COVER	6063-T5 ALUMINUM
13	BOTTOM RAIL COVER	6063-T5 ALUMINUM
14	STILE COVER	6063-T5 ALUMINUM
15	MULLION CLIP (CONTINUOUS)	6063-T5 ALUMINUM
16	HURRICANE CLIP 0.043" X 1 1/4" X 6.5"	MIN. 33 KSI GALVANIZED STEEL
HARDWARE		
19	TRUTH LEVER ASSEMBLY	AS REQUIRED TO OPERATE LOCK ASSEMBLY
20	4-POINT MULTI-POINT LOCK SYSTEM	TRUTH MIRAGE 11524.92
21	4-POINT MULTI-POINT LOCK SYSTEM	ASHLAND
22	SCISSORS HINGE	TRUTH 14.80.00-503/504
23	HINGE (BRASS)	HAGER #1191 4 1/2" X 4 1/2"
24	SNUBBER	-
25	CRANK ASSEMBLY	AS REQUIRED TO OPERATE WINDOW
SEALS & SEALANTS		
28	WEATHER STRIP	SCHLEGEL Q-LON #QEBD-650
29	SEAL	SCHLEGEL 5/32" BLACK FIN SEAL
30	POLYFLEX SEAL	SCHLEGEL #PF-109
FASTENERS		
32	18 GA. X 1" FINISH NAIL	2" FROM CORNERS & 5" MAX. O.C.
33	18 GA. X 7/8" X 3/4" S.S. STAPLES	5" FROM CORNERS & 6" MAX. O.C.
34	#12 X 3/4" FH SS WOOD SCREW	4 PER BUTT HINGE LEAF
35	#6 X 1" S.S. PAN HEAD WOOD SCREW	2 PER SNUBBER
36	#8 X 2" FH SS WOOD SCREW	2" FROM ENDS & 12" MAX. O.C.
37	#6 X 1" S.S. WOOD SCREW	3 PER SCISSORS HINGE LEG
38	#8 X 1" S.S. WOOD SCREW	2" FROM ENDS & AT MIDPOINT OF SILL CAP
39	18 GA. X 1 1/2" FINISH NAIL	2" FROM CORNERS & 8" O.C.
40	18 GA. X 1" FINISH NAIL	2" FROM CORNERS & 5" O.C.

\* WOOD USED WITH TEST UNITS WAS SELECT WHITE PINE AT JAMBS AND SELECT MAHOGANY AT ALL VANEERS, STOPS AND ASTRIGALS. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE DOORS AS A MAHOGANY SUBSTITUTE IS SELECT RED OAK, REDWOOD, FIR, RED MAPLE, HICKORY, DOUGLAS FIR, CHERRY OR BIRCH. AS A SUBSTITUTE FOR THE JAMBS, ALL WOODS ABOVE ARE APPLICABLE WITH THE ADDITION OF SOUTHERN PINE & MAPLE.

Approved as complying with the Florida Building Code  
 Date 06/26/03  
 NOA# 03-0403.05  
 Miami Dade Product Control  
 Division  
 By: *Warren W. Schaefer*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 01/17/03
DATE	BY
REVISION DESCRIPTION	NO.
ALUMINUM CLAD WOOD CASEMENT WINDOW	
MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAR 18 2003	WARREN W. SCHAEFER, P.E. NO. 44135
DRAWING NO. 1203	REV.
SHEET NO. 5	OF 5