



**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 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Aluminum Clad Single Hung Window

APPROVAL DOCUMENT: Drawing No. 1241, titled "Aluminum Clad Wood Single Hung Window", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 09/18/03, signed and sealed by Warren W. 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 and evidence page E-1 and E-2, as well as approval document mentioned above. The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**

*9/19/04
Jhey*



**NOA No 04-0729.01
Expiration Date: September 09, 2009
Approval Date: September 09, 2004
Page 1**

Palm City Millwork

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1241**, titled "Aluminum Clad Wood Single Hung Window", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 09/18/03, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

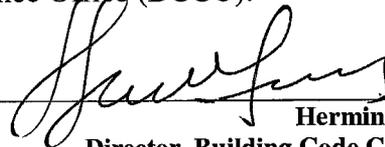
1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Test Laboratory, LLC, with (specimen 2,3), Test Report No. **HETI-0067-0905-03**, various dates, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Test Laboratory, LLC, with (specimen 1,2), Test Report No. **HETI-0067-0124-04**, various dates, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 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 an aluminum casement window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HETI-0067-0505-04**, dated 5/3-4/04, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM- E 1300, and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 09/23/03, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

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



Herminio Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 04-0729.01
Expiration Date: September 09, 2009
Approval Date: September 09, 2004

Palm City Millwork

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for their "Sentry ® Plus" dated 1/17/02, expiring on 1/14/07.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia, Inc. for their "Saflex HP Interlayer for Laminated Glass" dated 05/22/03, expiring on 04/14/08.
3. Notice of Acceptance No. **03-0514.15** issued to Oldcastle Glass, Inc. for their "StormGlass Laminated Glass" dated 12/11/03, expiring on 12/11/08.

F. STATEMENTS

1. Statement letter of conformance, dated July 21, 2004, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest dated July 21, 2004, signed and sealed by Warren W. Schaefer, P.E.
3. Letter from Palm City Millwork, Inc. dated July 22, 2004, designating Warren W. Schaefer of W.W. Schaefer Engineering & Consulting, as the technical contact for this file.

G. OTHER

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

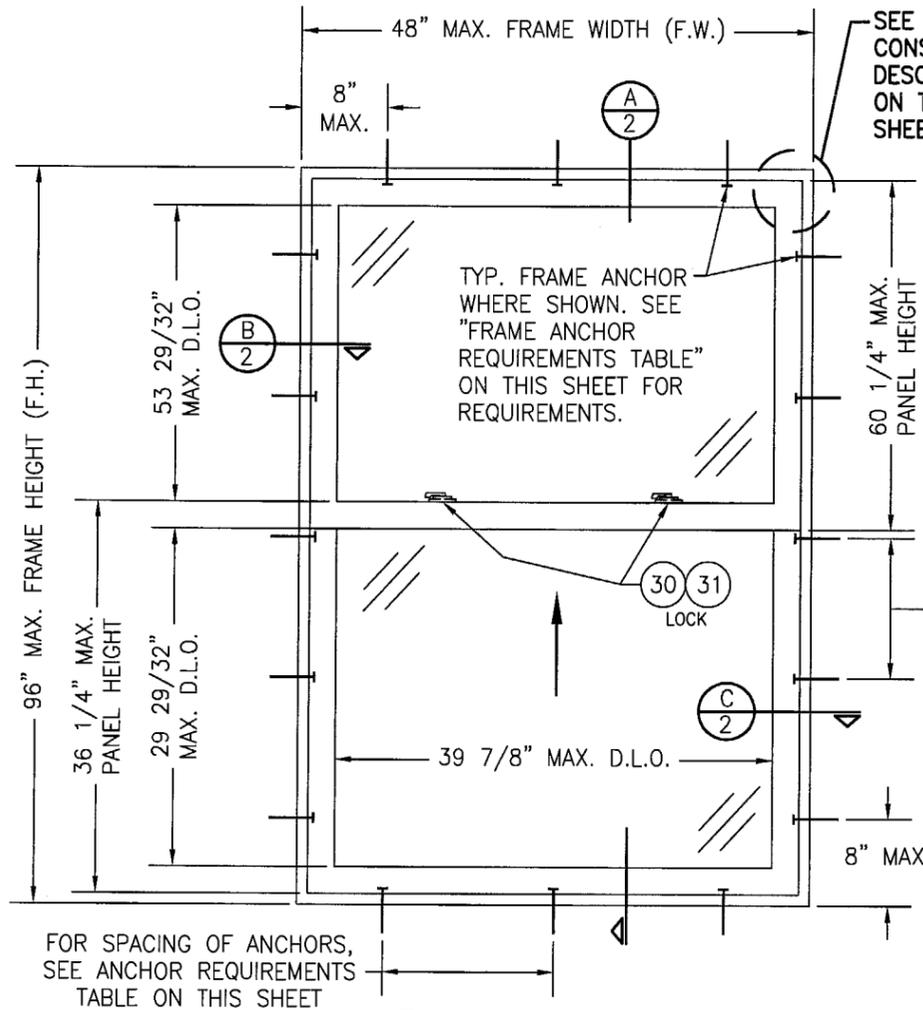


Herminio Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 04-0729.01

Expiration Date: September 09, 2009

Approval Date: September 09, 2004

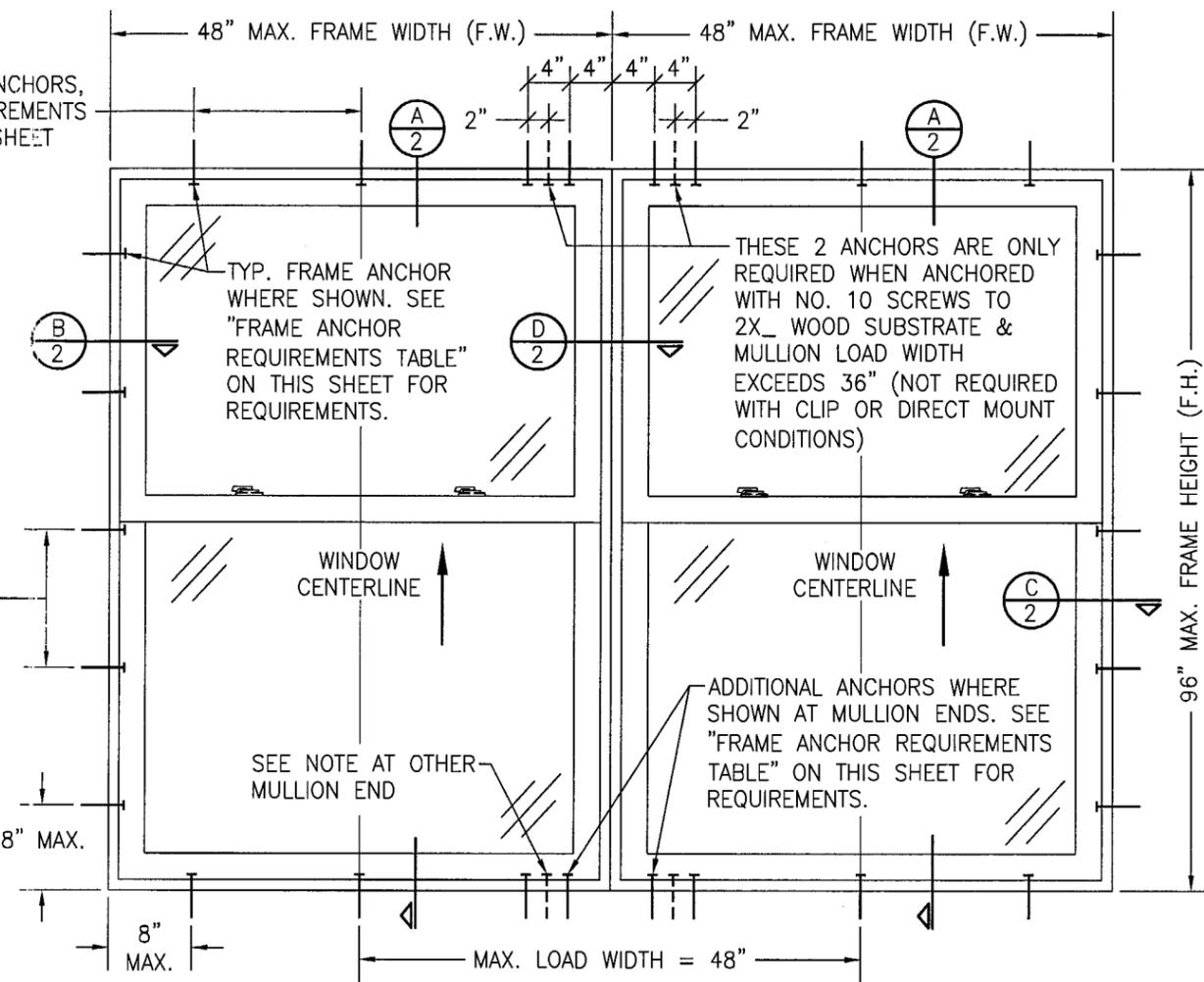


**EXTERIOR ELEVATION
SINGLE HUNG WINDOW**
SCALE: N.T.S.

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET
FOR SPACING OF ANCHORS, SEE ANCHOR REQUIREMENTS TABLE ON THIS SHEET

FOR SPACING OF ANCHORS, SEE ANCHOR REQUIREMENTS TABLE ON THIS SHEET

FOR SPACING OF ANCHORS, SEE ANCHOR REQUIREMENTS TABLE ON THIS SHEET



**EXTERIOR ELEVATION
MULTIPLE SINGLE HUNG WINDOW UNIT**
(MAX. FOUR UNITS MAY BE COMBINED IN ONE OPENING)
SCALE: N.T.S.

SEE SINGLE WINDOW ELEVATION FOR DETAIL NOT SHOWN

MULTIPLE UNIT NOTES:

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR THE ALLOWABLE MULLION PRESSURE. SEE LOAD TABLES ON THIS SHEET.

**ALLOWABLE PRESSURE
(SINGLE & MULTIPLE WINDOWS)**

FRAME HEIGHT	ALLOWABLE PRESSURE	
	POSITIVE	NEGATIVE
(1) 84" & LESS	70 PSF	85 PSF
OVER 84"	60 PSF	70 PSF

(1) HIGHER PRESSURES ARE ONLY APPLICABLE WITH GLASS OPTIONS #2 & #3. GLASS OPTION #1 IS RESTRICTED TO +60/-70 PSF REGARDLESS OF WINDOW SIZE.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE (ANCHOR)	MINIMUM EMBED	MINIMUM EDGE DIST.	SPACING AROUND FRAME
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"	(1) 12" OR 16"
CMU/CONCRETE	(2) 3/16" CONCRETE SCREW	1 1/4"	2"	16"
2X_ WOOD FRAME OR BUCK	HURRICANE CLIP W/#8 SCREWS	1 3/8"	1/2"	16"

(1) WHEN MOUNTED WITH NO. 10 SCREWS TO A 2X_ WOOD FRAME OR BUCK, SCREW SPACING SHALL BE MAX. 12" O.C. FOR WINDOWS WIDER THAN 36" & 16" O.C. FOR WINDOWS 36" WIDE & LESS.

(2) 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 SHEAR 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.

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(S).
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 FOR HIGH VELOCITY HURRICANE ZONE (HVHZ) AREAS.
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.

CORNER CONSTRUCTION:

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

WOOD SILL JAMB: SIDE JAMBS ARE BUTTED TO SILL AND SECURED WITH (2) NO. 8 X 2" WOOD SCREWS & (2) NO. 8 X 3" WOOD SCREWS THROUGH SILL INTO SIDE 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

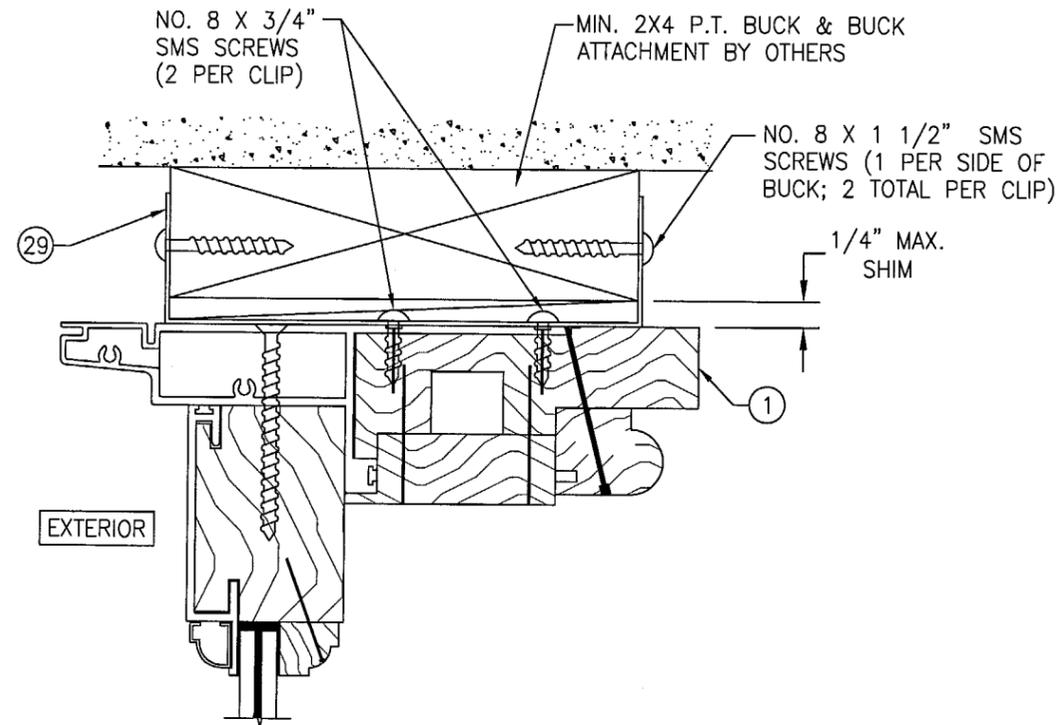
SASH CLAD: BUTTED AND SLID ONTO WOOD MEMBERS

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 09/18/03
NO.	REVISION DESCRIPTION

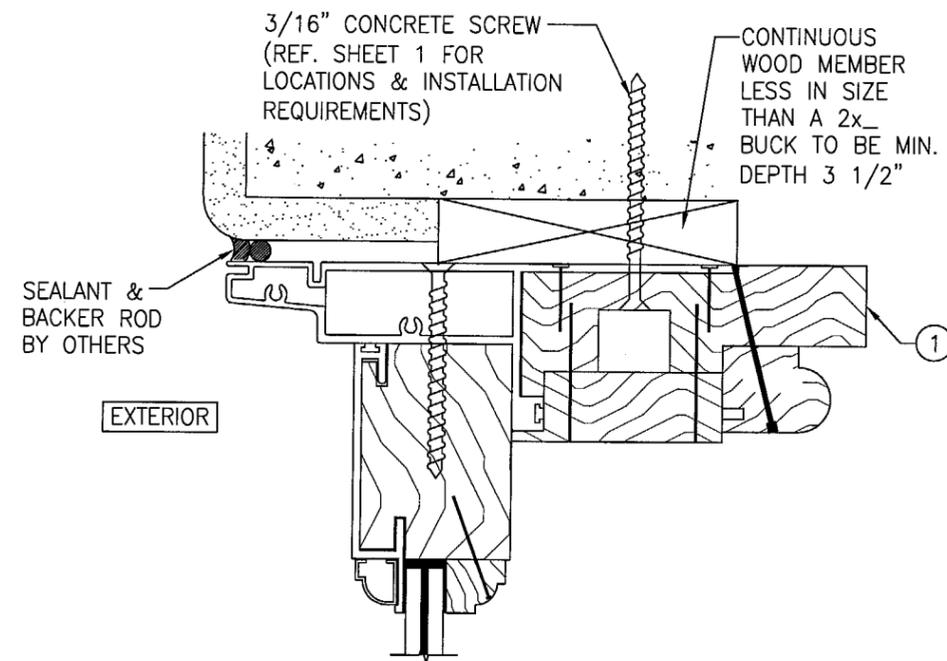
ALUMINUM CLAD WOOD SINGLE HUNG WINDOW
MANUFACTURER
PALM CITY MILLWORK, INC.
3313 S.W. 42ND AVE.
PALM CITY, FL 34990
800-273-5598

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

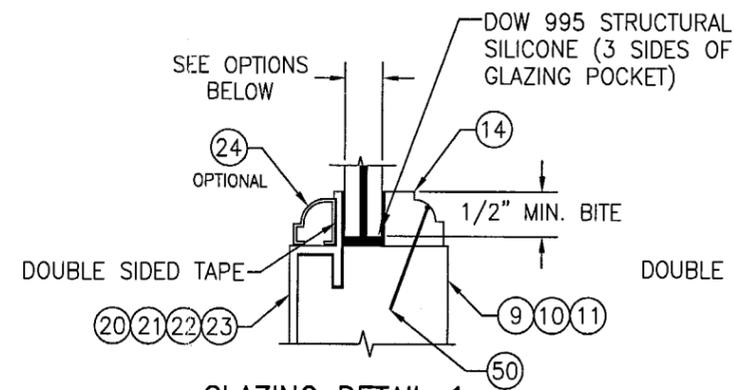
CERTIFICATION
JUL 26 2004
Approved as complying with the Florida Building Code
Date 09/09/04
NOA# 04-0329.01
Miami-Dade Product Control
Division
By [Signature]
DRAWING NO. **1241** REV.
SHEET NO. **1** OF **4**



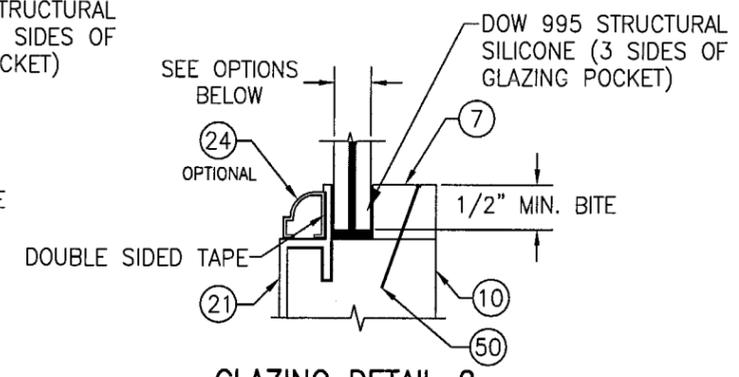
OPTIONAL CLIP MOUNT DETAIL
 FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
 (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



OPTIONAL DIRECT MOUNT DETAIL
 FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
 (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



GLAZING DETAIL 1

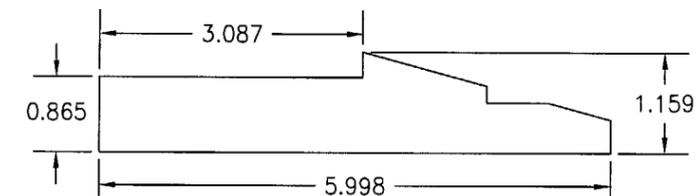


GLAZING DETAIL 2

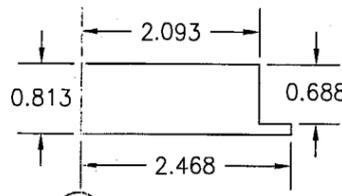
- OPTION #1: 7/16" THICK OLDCASTLE STORMGLASS LAMINATED GLASS
 (3/16" AN/0.075" VANCEVA INTERLAYER/3/16" AN)
- OPTION #2: 7/16" THICK DUPONT SENTRYGLAS PLUS LAMINATED GLASS
 (3/16" AN/0.090 SGP/3/16" AN)
- OPTION #3: 7/16" THICK SOLUTIA SAFLEX HP LAMINATED GLASS
 (3/16" AN/0.100 SAFLEX HP/3/16" AN)



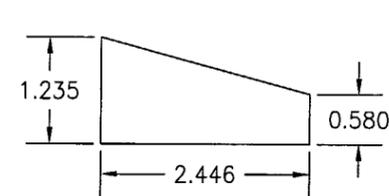
1 HEAD & SIDE JAMB



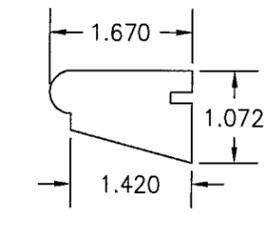
2 SILL



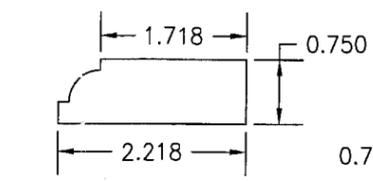
3 HEAD JAMB TRACK FILLER



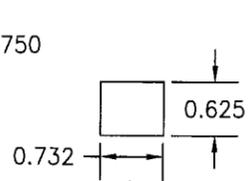
4 INTERIOR SILL FILLER



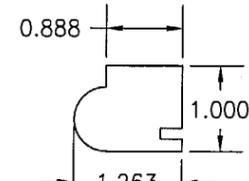
5 INTERIOR SILL TRIM



6 ACTIVE SASH LOCK RAIL TRIM



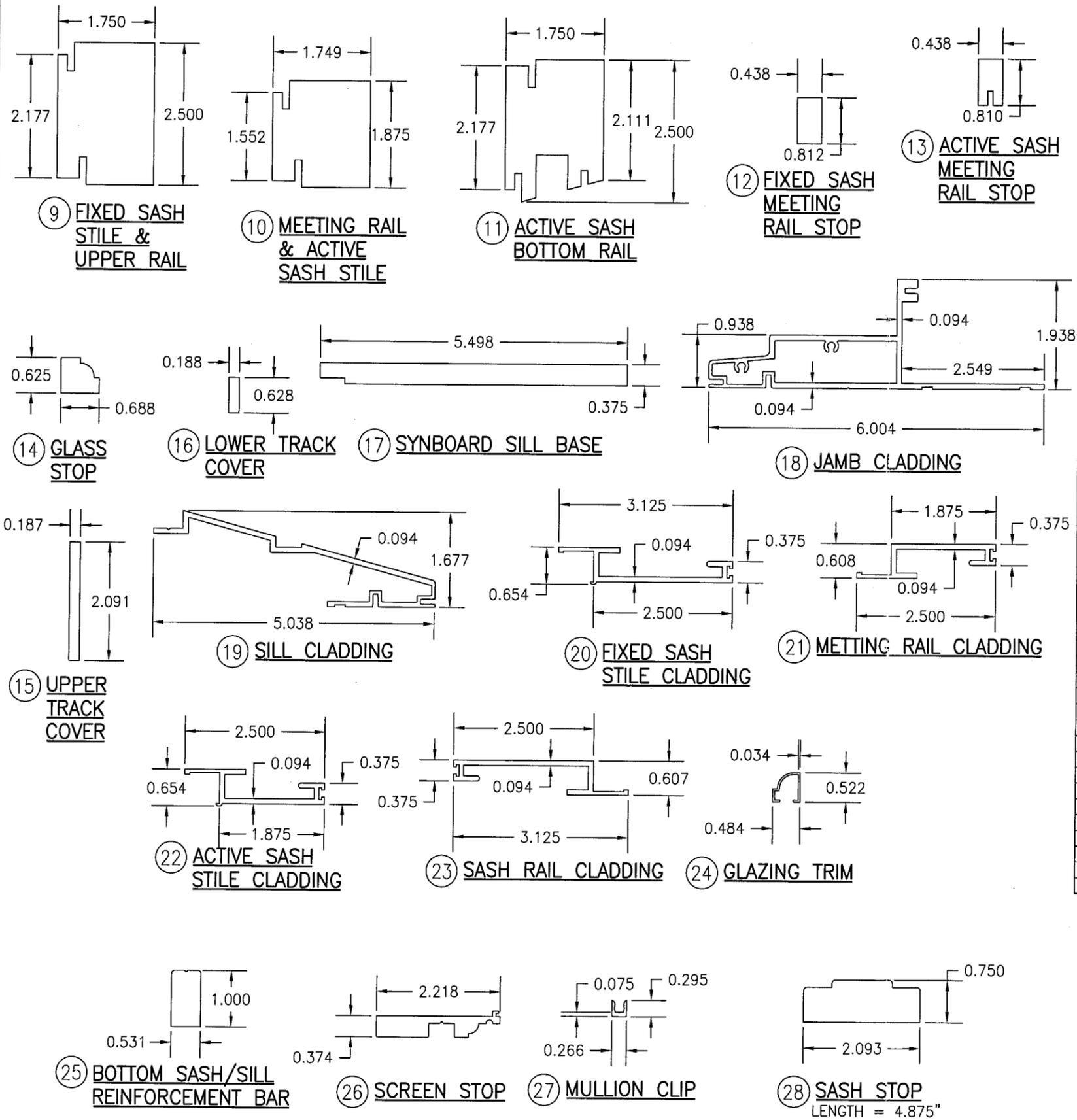
7 FIXED SASH KEEPER RAIL TRIM



8 INTERIOR SASH TRIM

Approved as complying with the
 Florida Building Code
 Date 09/09/04
 NOA# 04-0229-01
 Miami-Dade Product Control
 Division
 By *[Signature]*

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.	PLOT: 1=2	DATE: 09/18/03
DATE	BY	REVISION DESCRIPTION	NO.
ALUMINUM CLAD WOOD SINGLE HUNG 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. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION JUL 26 2004 <i>[Signature]</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1241	REV.	SHEET NO. 3 OF 4



ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD & SIDE JAMB	* MAHOGANY
2	SILL	* MAHOGANY
3	HEAD JAMB TRACK FILLER	* MAHOGANY
4	INTERIOR SILL FILLER	* MAHOGANY
5	INTERIOR SILL TRIM	* MAHOGANY
6	ACTIVE SASH LOCK RAIL TRIM	* MAHOGANY
7	FIXED SASH KEEPER RAIL TRIM	* MAHOGANY
8	INTERIOR SASH TRIM	* MAHOGANY
9	FIXED SASH STILE & UPPER RAIL	* MAHOGANY
10	MEETING RAIL & ACTIVE SASH STILE	* MAHOGANY
11	ACTIVE SASH BOTTOM RAIL	* MAHOGANY
12	FIXED SASH MEETING RAIL STOP	* MAHOGANY
13	ACTIVE SASH MEETING RAIL STOP	* MAHOGANY
14	GLASS STOP	* MAHOGANY
15	UPPER TRACK COVER	* MAHOGANY
16	LOWER TRACK COVER	* MAHOGANY
17	SYNBOARD SILL BASE	* MAHOGANY
18	JAMB CLADDING	6063-T5 ALUMINUM
19	SILL CLADDING	6063-T5 ALUMINUM
20	FIXED SASH STILE CLADDING	6063-T5 ALUMINUM
21	MEETING RAIL CLADDING	6063-T5 ALUMINUM
22	ACTIVE SASH STILE CLADDING	6063-T5 ALUMINUM
23	SASH RAIL CLADDING	6063-T5 ALUMINUM
24	GLAZING TRIM (OPTIONAL)	6063-T5 ALUMINUM
25	BOTTOM SASH/SILL REINFORCEMENT BAR	6063-T5 ALUMINUM
26	SCREEN STOP	6063-T5 ALUMINUM
27	MULLION CLIP	6063-T5 ALUMINUM
28	SASH STOP	* MAHOGANY
29	HURRICANE CLIP 0.043" X 1 1/4" X MIN. 6.5"	GALVANIZED STEEL (Fy = 33 KSI)
HARDWARE		
30	SASH LOCK	TRUTH #4366
31	KEEPER	TRUTH #4366K
32	BALANCE	BLAINE WINDOW ULTRA-LIFT BALANCE
33	NON-TILT BRACKET	BLAINE WINDOW WBB100-1
SEALS AND SEALANTS		
36	PILE WEATHERSTRIPPING	SCHLEGEL 5/32" FIN SEAL
37	BULB WEATHERSTRIPPING	RESOURSE CONSERVATION TECHNOLOGIES WS10
MISC. FASTENERS		
40	NO. 10 X 2 1/2" S.S. SCREW	6" FROM ENDS & 12" O.C. INTO SASH
41	1/2" X 3/4" CROWN STAPLE	6" FROM ENDS & 12" O.C. THRU CLADDING INTO JAMB
42	6d X 2" FINISH NAIL	3" FROM ENDS & 12" O.C. THRU FILLER INTO JAMB
43	6d X 2" FINISH NAIL	3" FROM ENDS & 12" O.C. THRU TRIM INTO RAIL
44	NO. 8 X 1" SCREW	3" FROM ENDS & 10 1/2" O.C. THRU TRIM INTO RAIL
45	NO. 6 X 1" SCREW	3" EACH THRU BRACKET INTO BOTTOM RAIL
46	NO. 8 X 2" SCREW	3" FROM ENDS & 10 1/2" O.C. THRU BAR INTO SILL
47	1/2" X 3/4" CROWN STAPLE	6" FROM ENDS & 12" O.C. THRU SYNBOARD INTO SILL
48	NO. 6 X 3/4" SCREW	2" FROM ENDS & 8" O.C. THRU COVER INTO JAMB
49	NO. 8 X 1" SCREW	4 PER SASH STOP
50	18 GA. X 1 1/4" PIN NAIL	2" FROM ENDS & 8" O.C. THRU GLASS STOP INTO SASH
51	18 GA. X 1 1/4" PIN NAIL	2" FROM ENDS & 8" O.C. THRU STOP INTO RAIL
52	NO. 8 X 1 1/4" SCREW	IN TOP OF BALANCE
53	6d X 2" FINISH NAIL	3" FROM ENDS & 12" O.C. THRU TRIM INTO FILLER
54	6d X 2" FINISH NAIL	3" FROM ENDS & 12" O.C. THRU SILL INTO FILLER
55	6d X 2" FINISH NAIL	3" FROM ENDS & 12" O.C. THRU TRIM INTO HEAD JAMB
56	NO. 8 X 1 1/2" SCREW	3" FROM ENDS & 16" O.C. THRU TRIM INTO SIDE JAMB

* WOOD USED WITH TEST UNITS WAS SELECT MAHOGANY. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS ARE SELECT OAK, CHERRY, BIRCH, HICKORY, REDWOOD, MAPLE & DOUGLAS FIR.

Approved as complying with the
 Florida Building Code
 Date 09/09/04
 NOA# 04-0729.01
 Miami Date Product Control
 Division
 By *[Signature]*

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 09/18/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	

ALUMINUM CLAD WOOD SINGLE HUNG 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.
 8895 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

DRAWING TITLE
ALUMINUM CLAD WOOD SINGLE HUNG WINDOW

CERTIFICATION
JUL 26 2004

DRAWING NO.
1241

SHEET NO.
4 OF 4