



**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 42nd 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 Wood Direct Set Window

APPROVAL DOCUMENT: Drawing No.1202, titled "Aluminum Clad Wood Direct Set Window", sheets 1 through 3 of 3, prepared by W.W. Schaefer Engineering& Consultant, P.A., dated 12/11/03, signed and sealed by Warren W. Schaffer, 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 **Theodore Berman, P.E.**

CPB
3/17/2004

**NOA No 04-0204.07
Expiration Date: April 08, 2009
Approval Date: April 08, 2004
Page 1**

Palm City Millwork, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1202**, titled "Aluminum Clad Wood Direct Set Window", sheets 1 through 3 of 3, prepared by W.W. Schaefer Engineering & Consultant, P.A., dated 12/11/03, signed and sealed by Warren W. Schaffer, 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
along with marked-up drawings and installation diagram of an Aluminum Clad Wood Direct Set Window, prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0067-0630-03**, dated 06/17-18/03 signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an Aluminum Clad Wood Direct Set Window, prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0067-1110-03**, dated 11/10/03 signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Air Infiltration Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an Aluminum Clad Wood Direct Set Window, prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0067-0406-03**, dated 04/03-12/03 signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

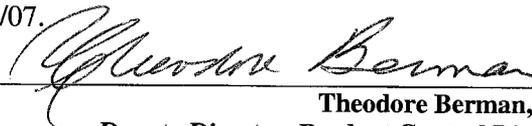
1. Anchor Calculations, ASTM-E1300-98, and structural analysis, dated 11/21/03, prepared by W.W. Schaefer Engineering & Consultant, P.A., signed and sealed by Warren W. Schaffer, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-1117.05** issued to Surface Specialty Technology for their "Uvekol S" dated 01/29/04, expiring on 2/08/09.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia, Inc. for their "Saflex HP a polyvinyl butryal interlayer for lamination glass" dated 5/22/03, expiring on 4/14/08.
3. 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.



Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 04-0204.07

Expiration Date: April 08, 2009

Approval Date: April 08, 2004

Palm City Millwork, Inc.

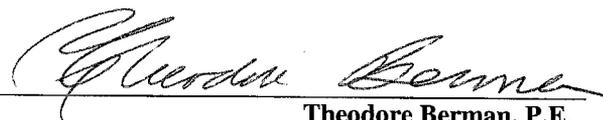
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, dated January 30, 2004, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest January 30, 2004, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

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

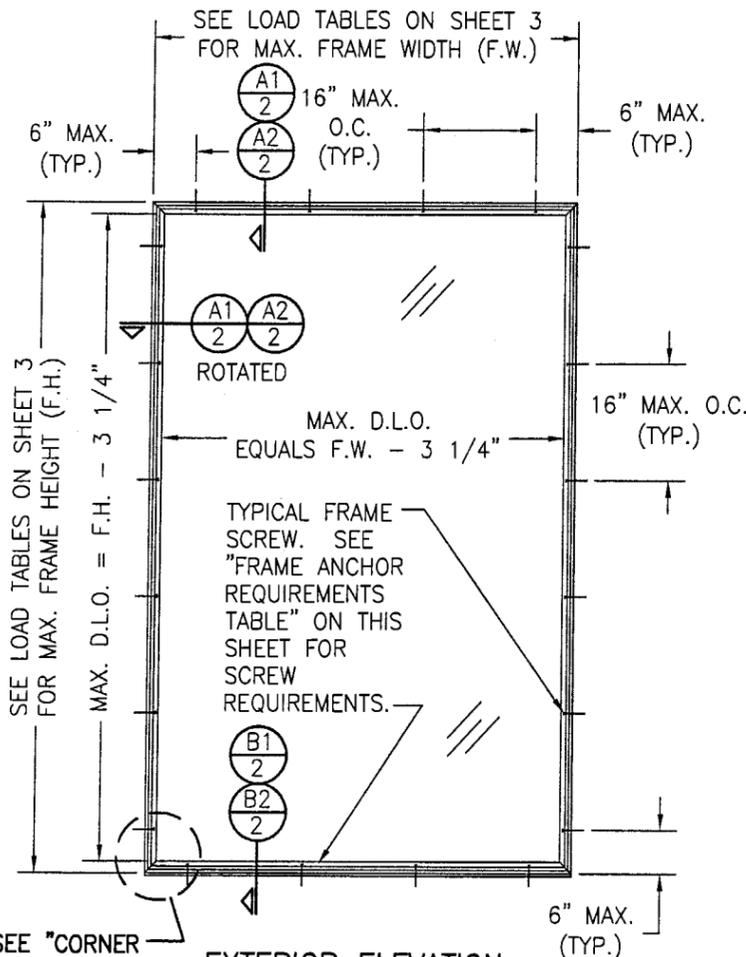


Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 04-0204.07

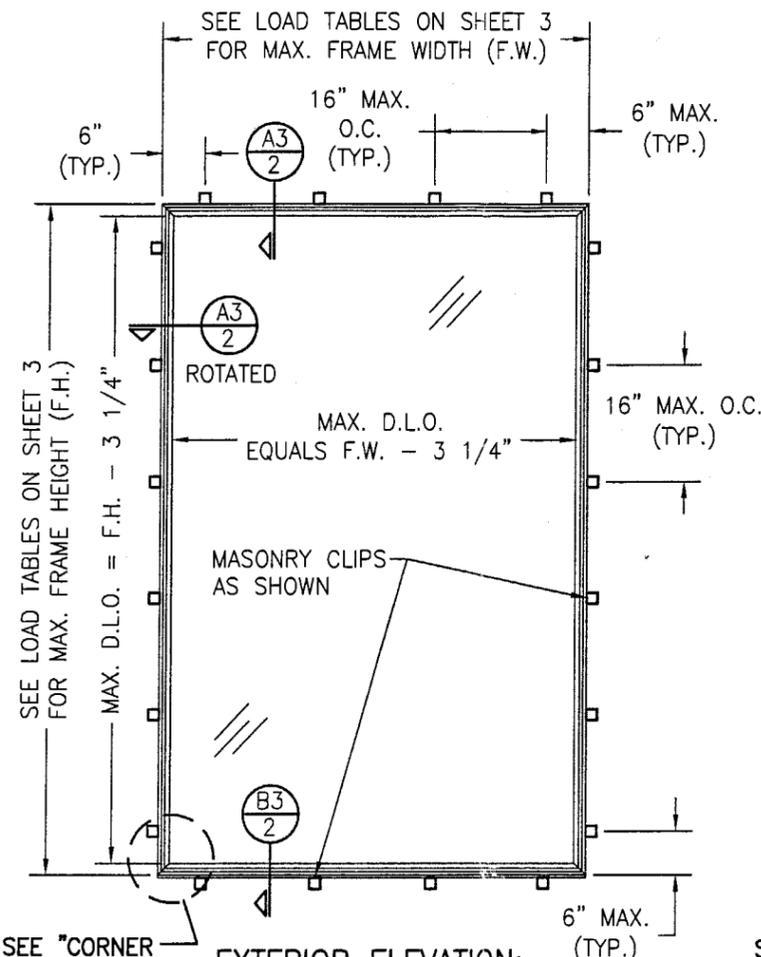
Expiration Date: April 08, 2009

Approval Date: April 08, 2004



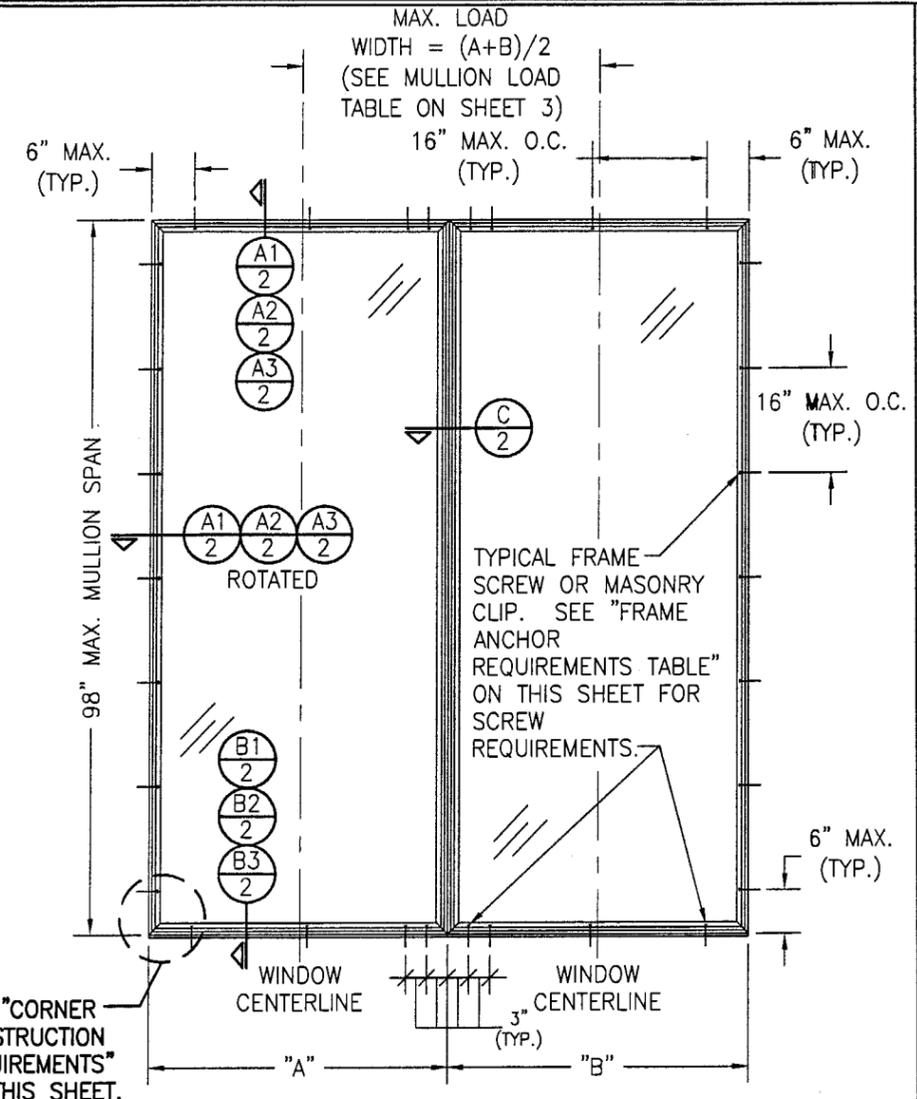
**EXTERIOR ELEVATION:
SINGLE WINDOW
(SHEAR SCREW MOUNT)**

SCALE: 1/2" = 1'-0"



**EXTERIOR ELEVATION:
SINGLE WINDOW (CLIP
MOUNT)**

SCALE: 1/2" = 1'-0"



**EXTERIOR ELEVATION:
MULTIPLE WINDOW UNIT (MAX. FOUR UNITS
MAY BE COMBINED IN ONE OPENING)**

SCALE: 1/2" = 1'-0"

LONG DIMENSION OF WINDOW MAY BE HORIZONTAL OR VERTICAL (HEIGHT & WIDTH MAY BE INTERCHANGED).

ALLOWABLE DESIGN LOADS
SEE DESIGN LOAD TABLES
ON SHEET 3.

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.) FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
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 JAMBS: MITERED 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.

* 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 TAPPEP (HARDENED STEEL OR S.S.).

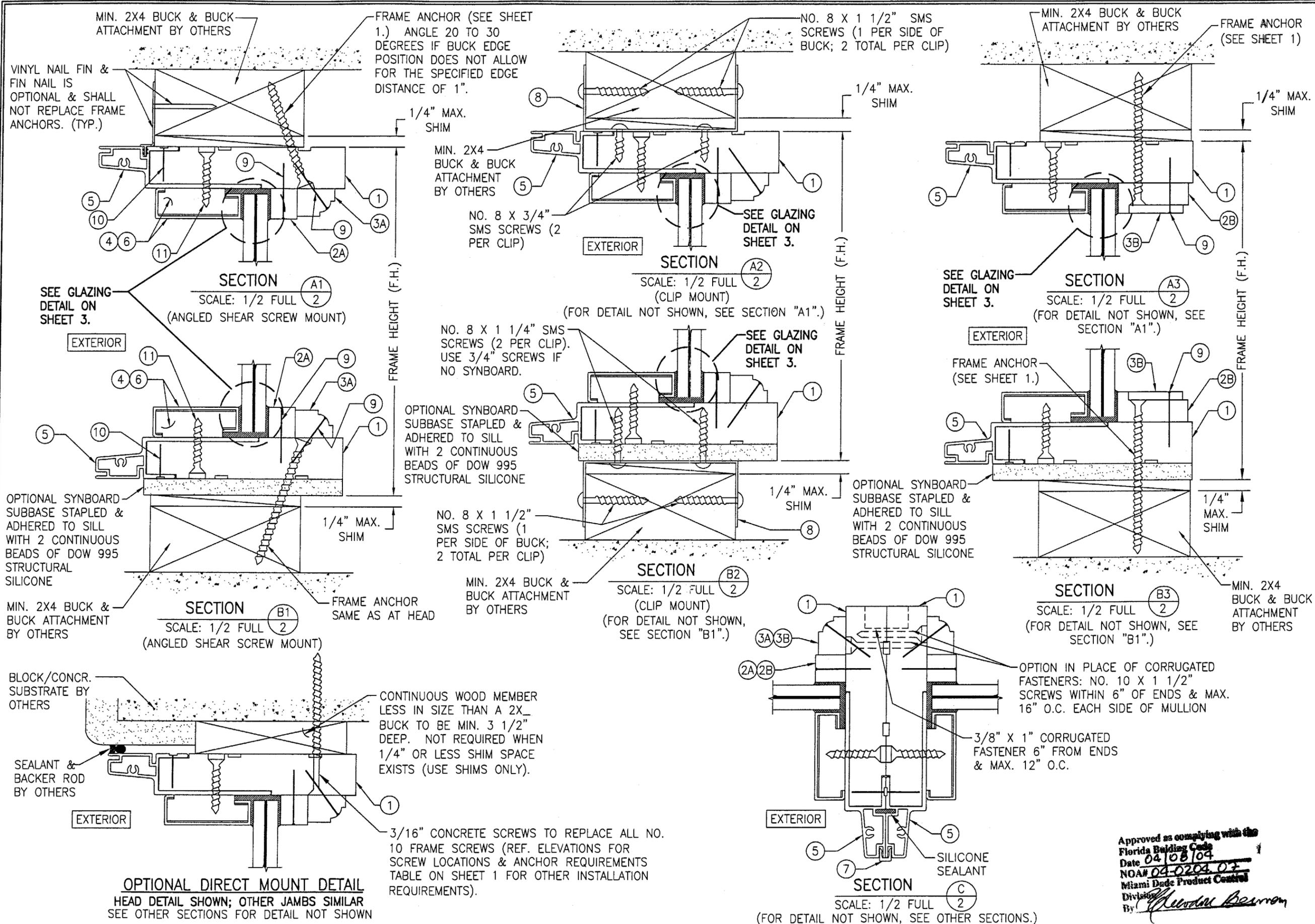
* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREWS SHALL BE USED.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

MULTIPLE UNIT NOTES:

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN IN THE ELEVATIONS & LOAD TABLES.
2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURES OR THE ALLOWABLE MULLION PRESSURE. SEE LOAD TABLES ON SHEET 3.
3. STACKING MAY BE HORIZONTAL OR VERTICAL.

Approved as complying with the Florida Building Code
Date 04/08/04
NOA# 04-0204-07
Miami Dade Product Control
Division
B. *Warren J. Schaefer*

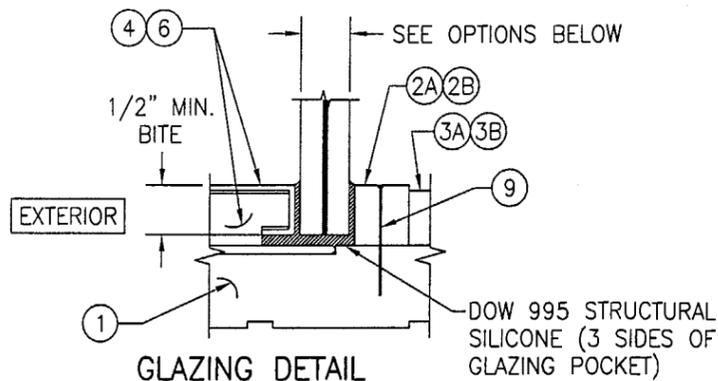
DRAWN BY: T.J.W.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 12/11/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE ALUMINUM CLAD WOOD DIRECT SET WINDOW	
MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAR 04 2004 WARREN J. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1202
	REV. SHEET NO. 1 OF 3



DRAWN BY: T.J.W.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 12/11/03	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: ALUMINUM CLAD WOOD DIRECT SET 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: MAR 04 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1202		REV.	
SHEET NO. 2		OF 3	

Approved as complying with the Florida Building Code
 Date 04/08/04
 NOA# 04-0204-03
 Miami Dade Product Control
 By: *Meridian Beaman*

MULLION LOAD TABLE			
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH A+B 2 (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
78	62	60.0	70.0
84	54	60.0	70.0
	60	59.9	69.9
90	62	59.1	68.9
	48	60.0	70.0
	54	57.0	66.5
96	60	53.9	62.9
	62	53.0	61.9
	42	60.0	70.0
	48	56.0	65.4
98	54	50.5	58.9
	60	47.0	54.8
	62	46.0	53.7
	42	60.0	70.0
98	48	53.6	62.5
	54	48.3	56.3
	60	44.8	52.3
	62	43.9	51.2



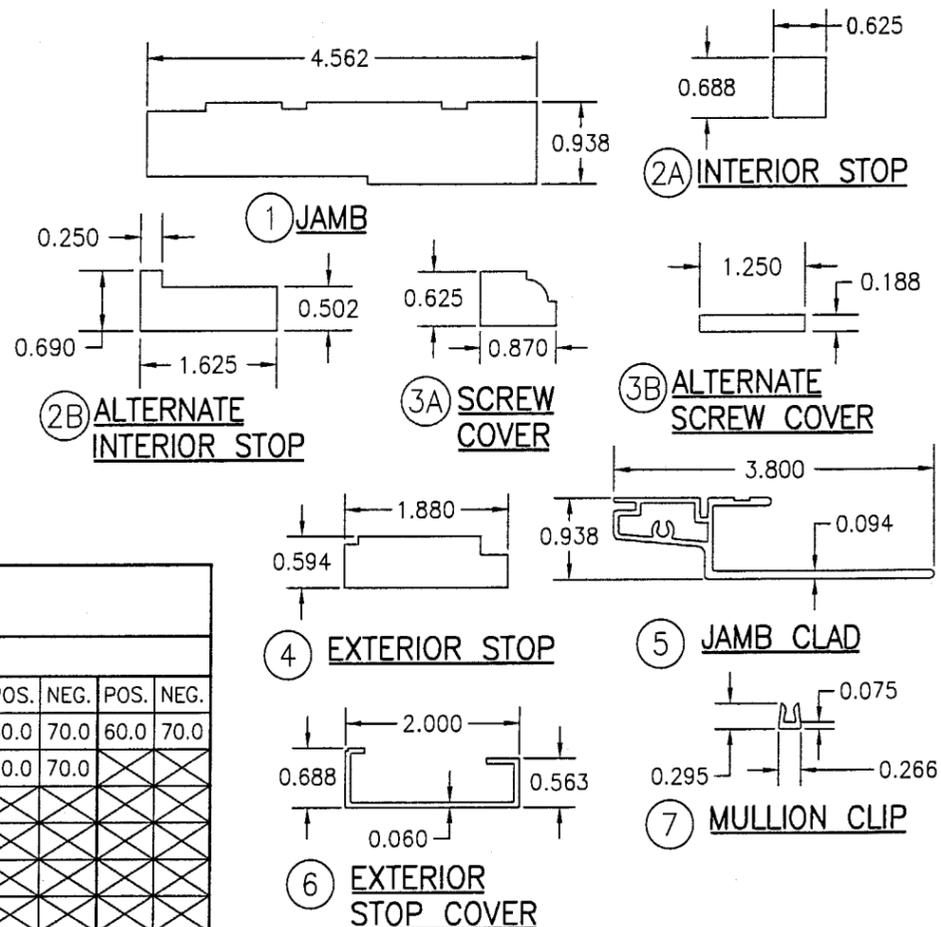
- OPTION #1: 1/2" THICK SMITH MOUNTAIN LAMINATED ANNEALED GLASS (3/16" AN/0.120" UVEKOL/3/16" AN)
- OPTION #2: 9/16" THICK SOLUTIA SAFLEX HP LAMINATED ANNEALED (1/4" AN/0.10" SAFLEX HP/1/4" AN)
- OPTION #3: 9/16" THICK DUPONT SGP LAMINATED ANNEALED GLASS (1/4" AN/0.09" SGP/1/4" AN)
- OPTION #4: 7/16" THICK SOLUTIA SAFLEX HP LAMINATED ANNEALED (3/16" AN/0.10" SAFLEX HP/3/16" AN)

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	SELECT MAHOGANY
2A	INTERIOR STOP	SELECT MAHOGANY
2B	ALTERNATE INTERIOR STOP	SELECT MAHOGANY
3A	SCREW COVER	SELECT MAHOGANY
3B	ALTERNATE SCREW COVER	SELECT MAHOGANY
4	EXTERIOR STOP	SELECT MAHOGANY
5	JAMB CLAD	6063-T5 ALUMINUM
6	EXTERIOR STOP COVER	6063-T5 ALUMINUM
7	MULLION CLIP	6063-T5 ALUMINUM
8	MASONRY CLIP (1.25" X MIN. 6.5" X 0.043")	MIN. 33 KSI GALV. STEEL
FASTENERS		
9	18 GA. X 1" FINISH NAIL	2" FROM CORNERS & 5" MAX. O.C.
10	18 GA. X 7/8" X 3/4" S.S. STAPLES	5" FROM CORNERS & 6" MAX. O.C.
11	#8 X 1 1/4" WOOD SCREW	4" FROM ENDS & 12 O.C.

NOTE: DUE TO TRIANGULAR LOAD DISTRIBUTION ON THE MULLION, WHEN MULLION SPAN IS 64" OR LESS, THE LOAD WIDTH HAS NO RESTRICTION & IS LIMITED ONLY BY THE ALLOWABLE INDIVIDUAL WINDOW SIZE.

ALLOWABLE DESIGN PRESSURE (WHEN USING GLASS OPTIONS 2 & 3)																					
(1) SHORT DIMENSION	ALLOWABLE DESIGN PRESSURE (PSF)																				
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	
36" OR LESS	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	
42"	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	
48"	60.0	70.0	60.0	70.0	60.0	67.5	60.0	64.0	60.0	62.9	60.0	61.4	59.5	59.5	56.3	56.3					
54"	53.3	62.2	53.3	60.4	53.3	56.9	53.3	53.9	52.9	52.9	51.0	51.0									
60"	48.0	56.0	48.0	53.0	48.0	49.2	45.9	45.9													
64"	45.0	52.5	45.0	48.4	45.0	45.2															
(1) LONG DIMENSION	78" OR LESS	84"	90"	96"	98"	102"	108"	120"	132"	144"											

ALLOWABLE DESIGN PRESSURE (WHEN USING GLASS OPTIONS 1 & 4)																									
(1) SHORT DIMENSION	ALLOWABLE DESIGN PRESSURE (PSF)																								
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	
24" OR LESS	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	
30"	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	
36"	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	67.4	60.0	64.7	60.0	62.4	60.0	61.9	59.7	59.7			
42"	60.0	70.0	60.0	70.0	60.0	69.8	60.0	65.2	60.0	63.0	58.6	58.6	54.9	54.9	51.7	51.7	48.9	48.9	46.6	46.6	46.1	46.1			
48"	60.0	70.0	60.0	66.4	59.2	59.2	55.8	55.8	54.0	54.0	48.3	48.3	45.0	45.0	41.8	41.8									
54"			53.3	60.0	53.3	53.6	49.9	49.9	48.1	48.1	43.7	43.7													
60"					48.0	48.4	45.2	45.2	43.8	43.8															
64"							45.0	51.5																	
(1) LONG DIMENSION	48" OR LESS	54"	60"	64"	66"	72"	78"	84"	90"	96"	98"	108"	120"	132"	144"										



Approved as complying with the Florida Building Code
 Date 04/08/04
 NOAH 04-0204.04
 Miami Dade Product Control
 Division
 By *W. Schaefer*

- NOTES: 1. ALL WINDOW DIMENSION VALUES SHOWN ARE +/- 1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS.
 2. THOSE SIZES WITH LOADS LISTED ARE MAXIMUM ALLOWABLE SIZES AT THAT LOAD. IF NO LOAD IS LISTED FOR A GIVEN SIZE, THAT SIZE EXCEEDS ALLOWABLE AND IS NOT ACCEPTABLE.
 3. SEE GLAZING DETAIL FOR DESCRIPTION OF GLASS OPTIONS.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 12/11/03
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE	
ALUMINUM CLAD WOOD DIRECT SET 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	
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