



**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)**

**Pella Corporation  
102 Main Street  
Pella, IA 50219**

**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 Fixed Casement Window**

**APPROVAL DOCUMENT:** Drawing No.1317, titled "Architect Series Aluminum Clad Wood Impact Fixed Casement Window", sheets 1 through 2 of 2, prepared by W.W. Schaefer Engineering& Consultant, P.A., dated 07/20/04, 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, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**

*Jm*  
10/26/09  


**NOA No 04-0907.05  
Expiration Date: November 18, 2009  
Approval Date: November 18, 2004**

**Pella Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No.1317, titled "Architect Series Aluminum Clad Wood Impact Fixed Casement Window", sheets 1 through 2 of 2, prepared by W.W. Schaefer Engineering & Consultant, P.A., dated 07/20/04, 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 203-94along with marked-up drawings and installation diagram of an aluminum clad wood window, prepared by Stork Materials Technology, Test Report No. **STCTC-03-0303.09**, dated 06/01/04 signed and sealed by John D. Lee, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E 1300, and structural analysis, dated 08/31/04, prepared by W.W. Schaefer Engineering & Consultant, P.A., signed and sealed by Warren W. Schaffer, P.E.
2. Revised Calculations and structural analysis, dated 10/13/04, prepared by W.W. Schaefer Engineering & Consultant, P.A., signed and sealed by Warren W. Schaefer, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

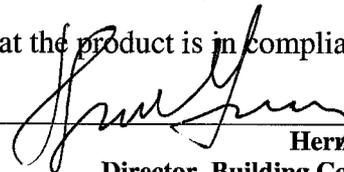
1. Notice of Acceptance No. **00-1212.04** issued to E.I. DuPont DeNemours for "Dupont Butacite ® PVB", dated 02/15/01, expiring on 12/12/05.
2. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass ® Plus", dated 01/17/02, expiring on 01/14/07.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated 08/31/04, signed and sealed by Warren W. Schaefer, P.E.
3. Letter from Pella Corporation, dated 08/30/04, designating Warren Schaefer of W.W. Schaefer Engineering & Consulting, as the contact person for this file.

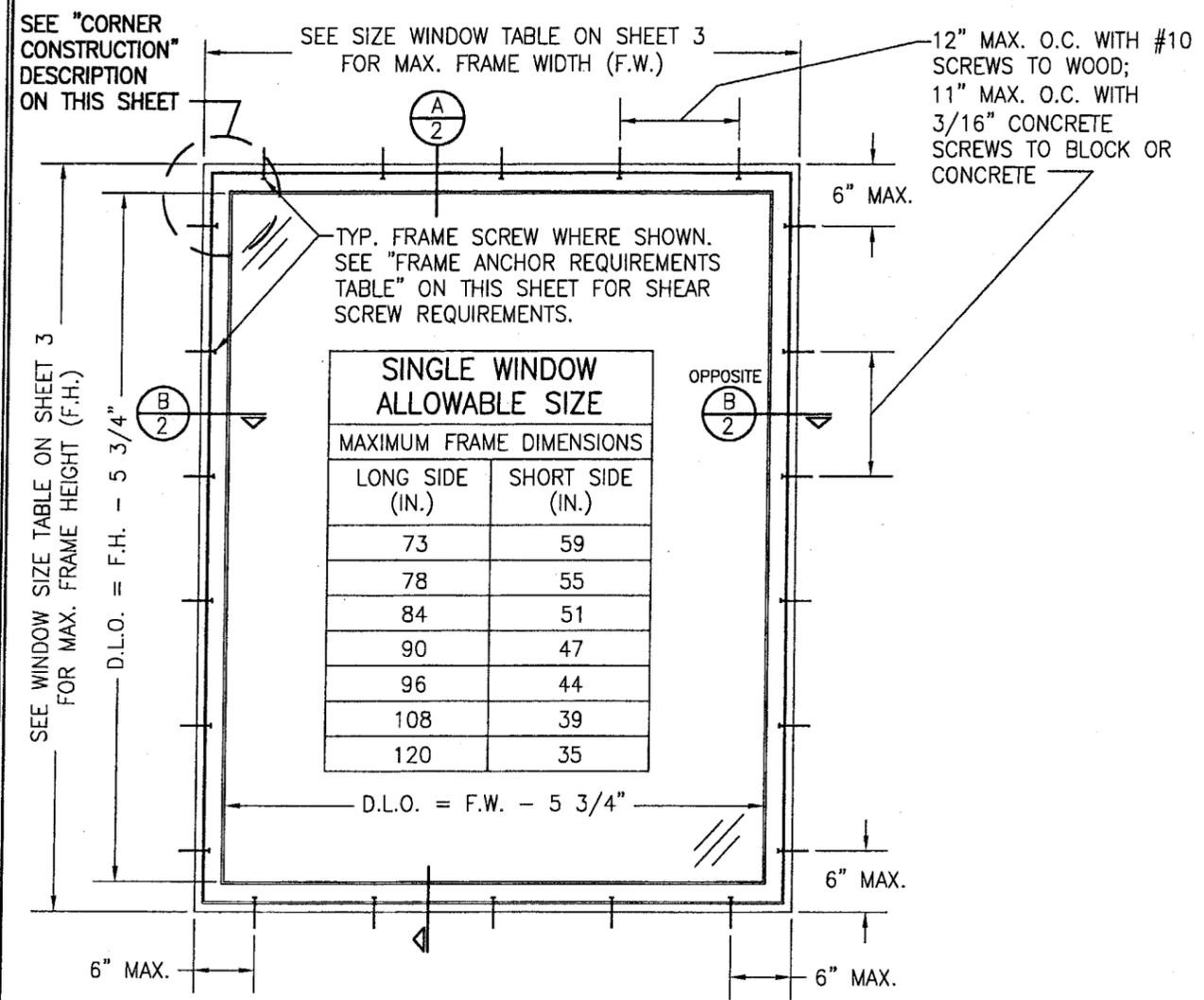
**G. OTHER**

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



**Hermino F. Gonzalez, P.E.**  
**Director, Building Code Compliance Office**  
**NOA No 04-0907.05**

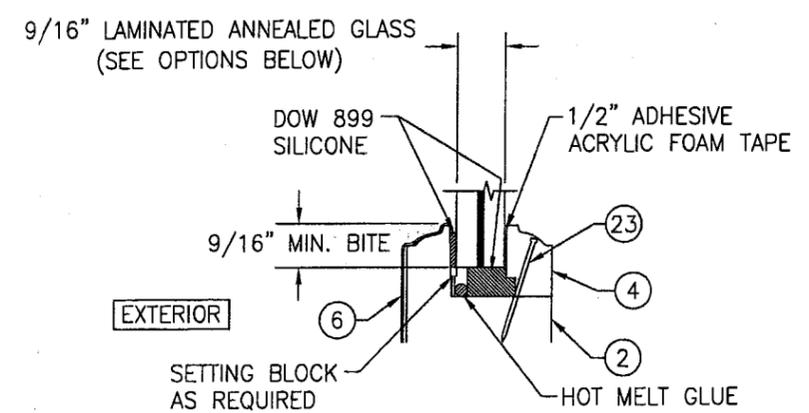
**Expiration Date: November 18, 2009**  
**Approval Date: November 18, 2004**



**SINGLE WINDOW ALLOWABLE SIZE**

MAXIMUM FRAME DIMENSIONS	
LONG SIDE (IN.)	SHORT SIDE (IN.)
73	59
78	55
84	51
90	47
96	44
108	39
120	35

D.L.O. = F.W. - 5 3/4"



- TYPICAL GLAZING DETAIL**
- OPTION 1: 9/16" DUPONT SENTRY GLASS PLUS LAMINATED (1/4" AN/0.09" SGP/1/4" AN)
  - OPTION 2: 9/16" DUPONT BUTACITE PVB LAMINATED (1/4" AN/0.09" PVB/1/4" AN)

**EXTERIOR ELEVATION  
 SINGLE FIXED CASEMENT**  
 SCALE: 3/4"=1'-0"

**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 (FBC) 2001 INCLUDING 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 JAMB:** MORTISE & TENON AND JOINED WITH (3) 1/2" X 2 1/4" 16 GA. STAPLES PER CORNER.  
**JAMB CLAD:** MITER CUT AND JOINED WITH CORNER KEY AND (2) NO. 6 X 1/2" SCREWS PER CORNER.  
**WOOD SASH:** SASH IS MORTISED & TENONED, JOINED WITH (1) 1 1/2" 15 GA. FINISH NAIL PER CORNER AND GLUED WITH A THERMOSETTING EMULSION ADHESIVE; DUROLOK BY NATIONAL STARCH & CHEMICAL COMPANY.  
**SASH CLAD:** LAPPED AND MITERED AT CORNERS.

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREW	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 SHEAR 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.

**ALLOWABLE DESIGN PRESSURE (SINGLE WINDOW)**

GLASS OPTION	MAX. WINDOW FRAME AREA (SQ. IN.) (F.H. X F.W. = AREA)	ALLOWABLE PRESSURE (+/-PSF)
1	4307 (29.9 S.F.)	75
2	2555 (17.74 S.F.)	75

(1) WINDOW FRAME AREA SHOWN MAY NOT BE EXCEEDED FOR EITHER GLASS OPTION.

Approved as complying with the Florida Building Code  
 Date: 11/16/04  
 NOAH: 04-0907-03  
 Miami Dept Product Control  
 Division  
 By: *[Signature]*

NO.	REVISION DESCRIPTION	BY	DATE

**DRAWING TITLE**  
 ARCHITECT SERIES ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

**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: 561-775-4803

**MANUFACTURER**  
  
 PELLA CORPORATION  
 102 MAIN STREET  
 PELLA, IA 50219  
 641-621-1000

**CERTIFICATION**  
 OCT 13 2004

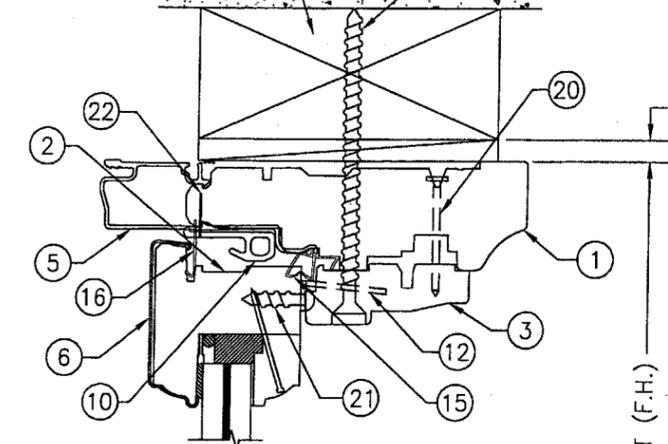
**DRAWING NO.**  
 1317

**REV.**  
 SHEET NO.  
 1 OF 2

**WARREN W. SCHAEFER, P.E.**  
 P.E. NO. 44135

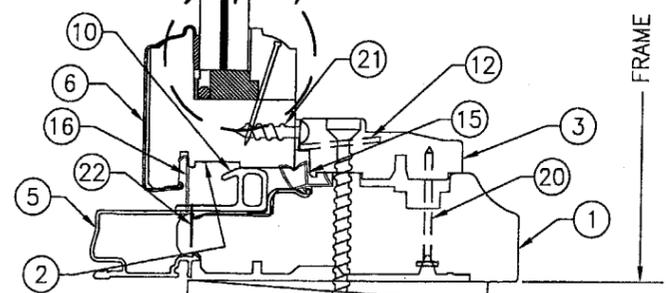
MIN. 2X4 BUCK/FRAMING & BUCK ATTACHMENT BY OTHERS

FRAME ANCHOR PER ELEVATIONS

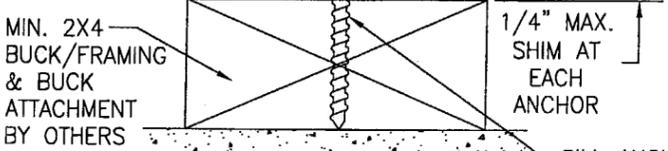


EXTERIOR

SEE GLAZING DETAIL ON SHEET 1



FRAME HEIGHT (F.H.)



MIN. 2X4 BUCK/FRAMING & BUCK ATTACHMENT BY OTHERS

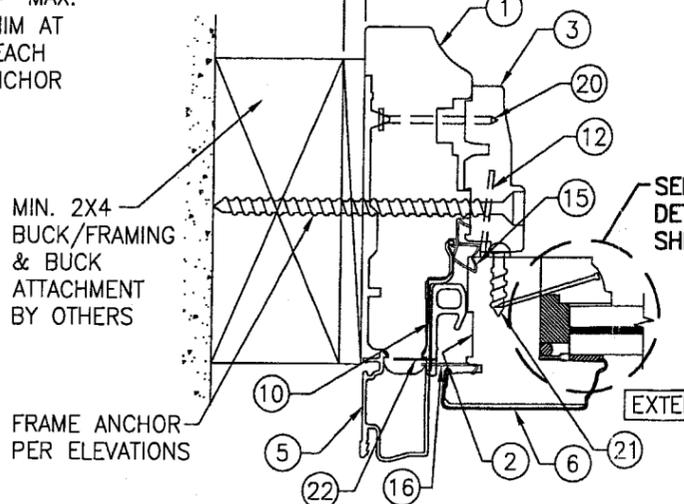
1/4" MAX. SHIM AT EACH ANCHOR

SILL ANCHOR PER ELEVATIONS

SECTION A SCALE: 1/2 FULL

1/4" MAX. SHIM AT EACH ANCHOR

FRAME WIDTH (F.W.)



EXTERIOR

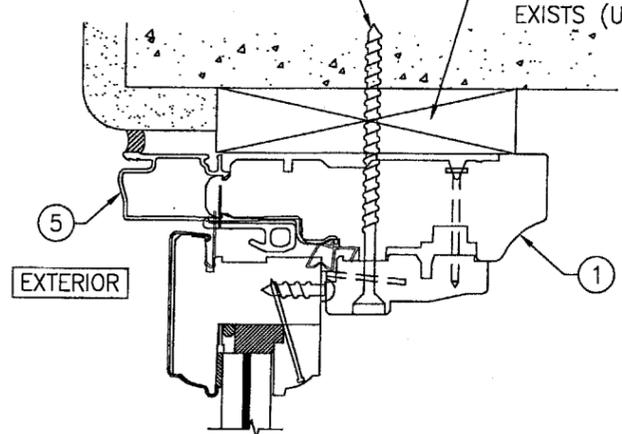
SEE GLAZING DETAIL ON SHEET 1

MIN. 2X4 BUCK/FRAMING & BUCK ATTACHMENT BY OTHERS

SECTION B SCALE: 1/2 FULL

3/16" CONCRETE SCREW (REF. SHEET 1 FOR LOCATIONS & INSTALLATION REQUIREMENTS)

CONTINUOUS WOOD MEMBER LESS IN SIZE THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP. NOT REQUIRED WHEN 1/4" OR LESS SHIM SPACE EXISTS (USE SHIMS AT EACH ANCHOR ONLY).



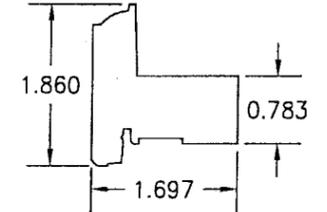
OPTIONAL DIRECT MOUNT DETAIL FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS (HEAD SECTION SHOWN; SIDES AND SILL SIMILAR)

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	35BG	JAMB	* WOOD
2	1A5S	SASH	* WOOD
3	30C4	SILL STOP	* WOOD
4	-	GLASS STOP	* WOOD
5	0AJE	FRAME COVER	6063-T6 ALUMINUM
6	45D5	SASH COVER	3003-H14 OR 3105-H24 ALUMINUM
10	76N0	SASH SPACER	RIGID PVC
HARDWARE			
12	50B62000	FIXED SASH STRIKE (0.060" X 1.688" X 0.35" X 0.987")	304 STAINLESS STEEL
SEALS AND SEALANTS			
15	76Q3	PVC WEATHERSTRIP	PELLA
16	75T2	PVC RAINSTRIP	PELLA
MISC. FASTENERS			
20	-	1 3/8" RING SHANK NAIL	4" FROM CORNERS & 6" - 8" O.C.
21	-	#8 X 3/4" PH	2 PER SASH STRIKE/CLIP
22	-	1/2" x 5/8" STAPLES	1 PER SPACER
23	-	15 GA. X 1 1/4" FINISH NAIL	3" FROM CORNERS & 6" MAX. O.C.

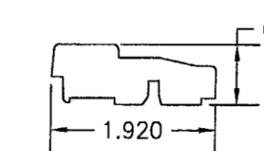
\* WOOD USED WITH TEST UNITS WAS SELECT WESTERN PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. SELECT MAHOGANY, PONDEROSA PINE, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRESS.



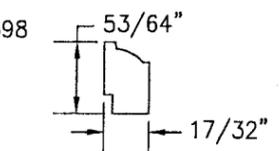
1 JAMB



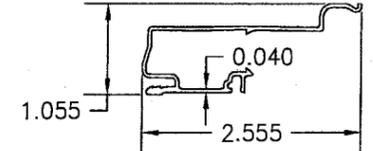
2 SASH



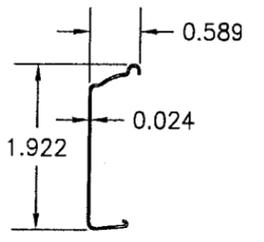
3 SASH STOP



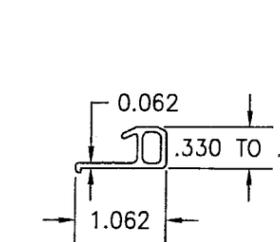
4 GLASS STOP



5 FRAME COVER



6 SASH COVER



10 SASH SPACER

Approved as complying with the Florida Building Code  
 Date: 11/18/04  
 NOAH 04-0903.05  
 Miami-Dade Product Control Division  
 By: [Signature]

DRAWN BY: K.P.S. CHECKED BY: W.W.S.  
 PLOT: 1=2 DATE: 07/20/04

REVISION DESCRIPTION NO. DATE BY

DRAWING TITLE: ARCHITECT SERIES ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

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

MANUFACTURER: Pella Corporation  
 102 MAIN STREET  
 PELLA, IA 50219  
 641-621-1000

CERTIFICATION: OCT 13 2004  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

DRAWING NO. 1317 REV.  
 SHEET NO. 2 OF 2