



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

DESCRIPTION: Aluminum Clad Wood Awning Window

APPROVAL DOCUMENT: Drawing No. 1249, titled "Aluminum Clad Wood Impact Awning Window", sheets 1 and 2 of 2, dated 08/13/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., 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 pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P. E.**



**NOA No 03-0912.01
Expiration Date: December 25, 2008
Approval Date: December 25, 2003
Page 1**

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1249**, titled "Aluminum Clad Wood Impact Awning Windows", sheets 1 and 2 of 2, dated 08/13/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

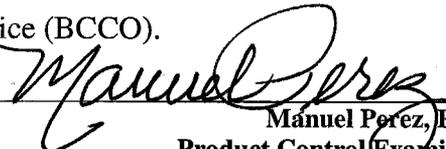
1. Test reports on 1) Air Infiltration Test, per ASTM E-238
2) Uniform Static Air Pressure Test, Loading per PA 202.
3) Water Resistance Test, per ASTM E547/E331
4) Forced Entry Test, per AAMA 1302.5
5) Large Missile Impact and Cyclic Test per PA 201 & 203
along with marked-up drawings and installation diagram of an aluminum clad wood awning window, prepared by Stork Twin City Testing Corporation, Test Report No. **STCT-180-6495**, dated 06/09/03, signed and sealed by Derrick J. Swanson, P.E.
(Submitted under File # 02-1021.04 and used for reference only)
2. Test reports on 1) Air Infiltration Test, per ASTM E-238
2) Uniform Static Air Pressure Test, Loading per PA 202.
3) Water Resistance Test, per ASTM E547/E331
4) Forced Entry Test, per AAMA 1302.5
5) Large Missile Impact and Cyclic Test per PA 201 & 203
along with marked-up drawings and installation diagram of an aluminum clad wood vent casement window, prepared by American Test Lab of South Florida, Test Report No. **ATL-01213.05**, dated 4/28/99, signed and sealed by William R. Mehner, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per PA 202-94
along with marked-up drawings and installation diagram of an aluminum clad wood vent casement window, prepared by Architectural Testing Inc., Test Report No. **ATI-02-34530.01**, dated 07/31/02, signed and sealed by Steven M. Urich, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, dated 08/12/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. Complies with ASTM E1300-98.

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner

NOA No 03-0912.01

Expiration Date: December 25, 2008

Approval Date: December 25, 2003

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

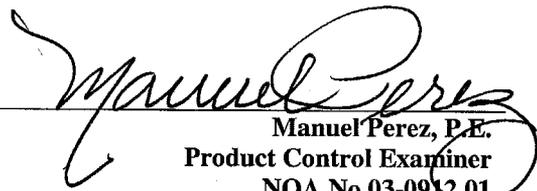
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass (R) Plus" dated 01/14/02, expiring on 01/14/07.

F. STATEMENTS

1. Letter from W. W. Schaefer Engineering & Consulting, P.A, dated 10/14/02, requesting an upgrade, submitting test performed and reducing the jamb fastening spacing, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of conformance, dated August 29, 2003, signed and sealed by Warren W. Schaefer, P.E.
3. Statement letter of no financial interest, dated August 29, 2003, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. Notice of Acceptance No. **02-1021.04**, issued to Pella Corporation for their "Aluminum Clad Wood Casement Window," approved on 8/14/03 and expiring on 9/16/07.



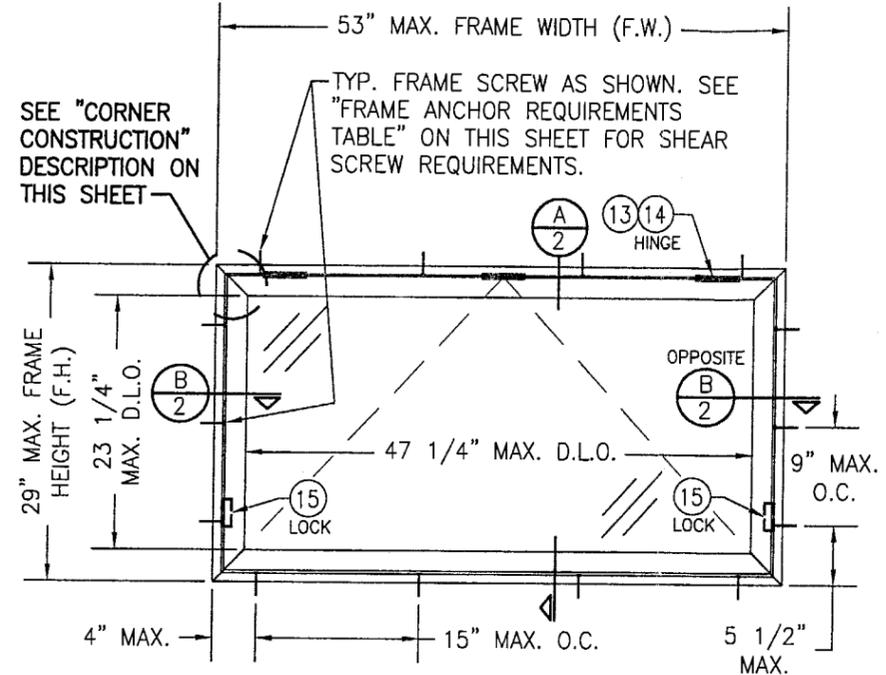
Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0912.01

Expiration Date: December 25, 2008

Approval Date: December 25, 2003

DRAWN BY: K.P.S. CHECKED BY: W.W.S.
 PLOT: 1=16 DATE: 08/13/03

NO.	REVISION DESCRIPTION	DATE	BY



EXTERIOR ELEVATION
 SINGLE AWNING WINDOW
 SCALE: 3/4"=1'-0"

HINGE REQUIREMENTS	
FRAME WIDTH (F.W.)	NO. OF HINGES REQUIRED
OVER 41"	3
41" & LESS	2

NOTES:
 1. APPLICABLE FOR 4" & 8" HINGES.
 2. 4" & 8" HINGES CAN BE MIXED ON ONE WINDOW.
 3. LEFT & RIGHT HINGE LOCATIONS = 3.25" FROM FRAME SIDE EDGE TO HINGE EDGE.

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 (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.

CORNER CONSTRUCTION

WOOD JAMBS: FINGER JOINTED, RABBIT CUT & SECURED WITH (3) 1/2" X 2 1/4" X 16 GA. STAPLES PER CORNER
 JAMB CLAD: MITERED AND SECURED WITH CORNER KEY, BUTYL TAPE & (2) NO. 10 X 17/32" SCREWS PER CORNER
 WOOD SASH: FINGER JOINTED, MORTISE & TENON, GLUED & SECURED WITH 1 BRAD NAIL PER CORNER
 SASH CLAD: MITERED & SNAP FITTED OVER WOOD FRAME

ALLOWABLE DESIGN PRESSURE		
FRAME HEIGHT (F.H.)	POSITIVE	NEGATIVE
OVER 25"	70 PSF	70 PSF
25" & LESS	75 PSF	80 PSF

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.).

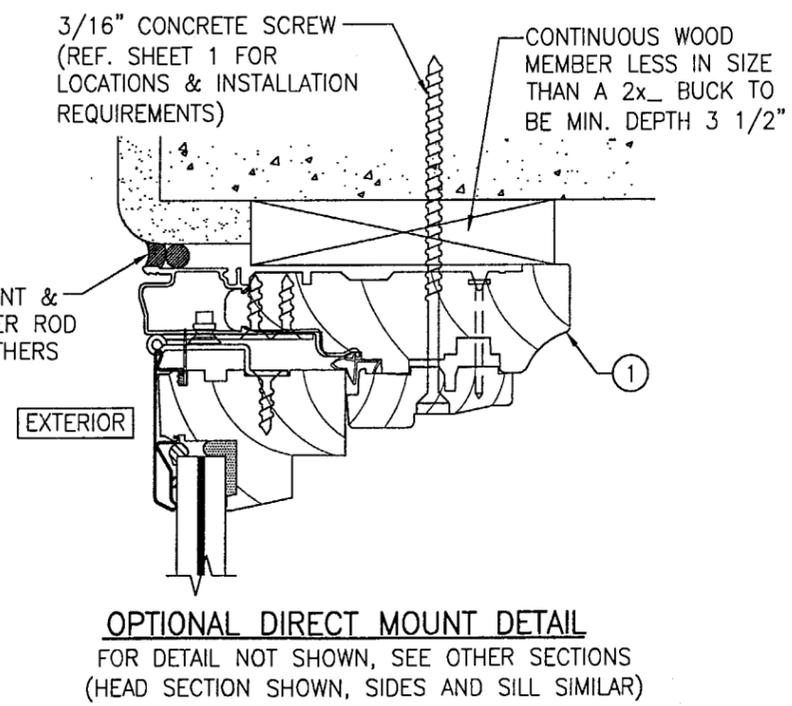
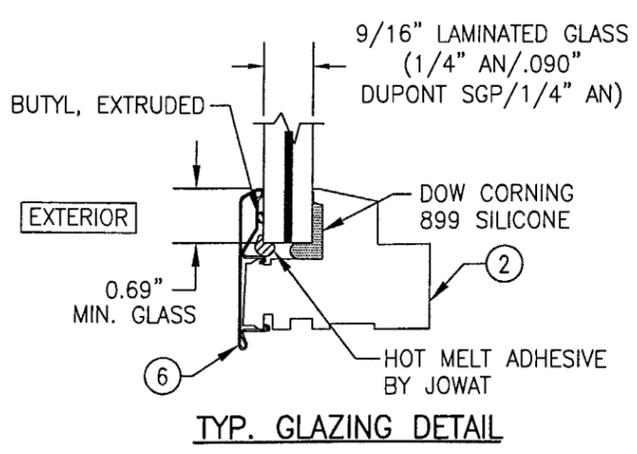
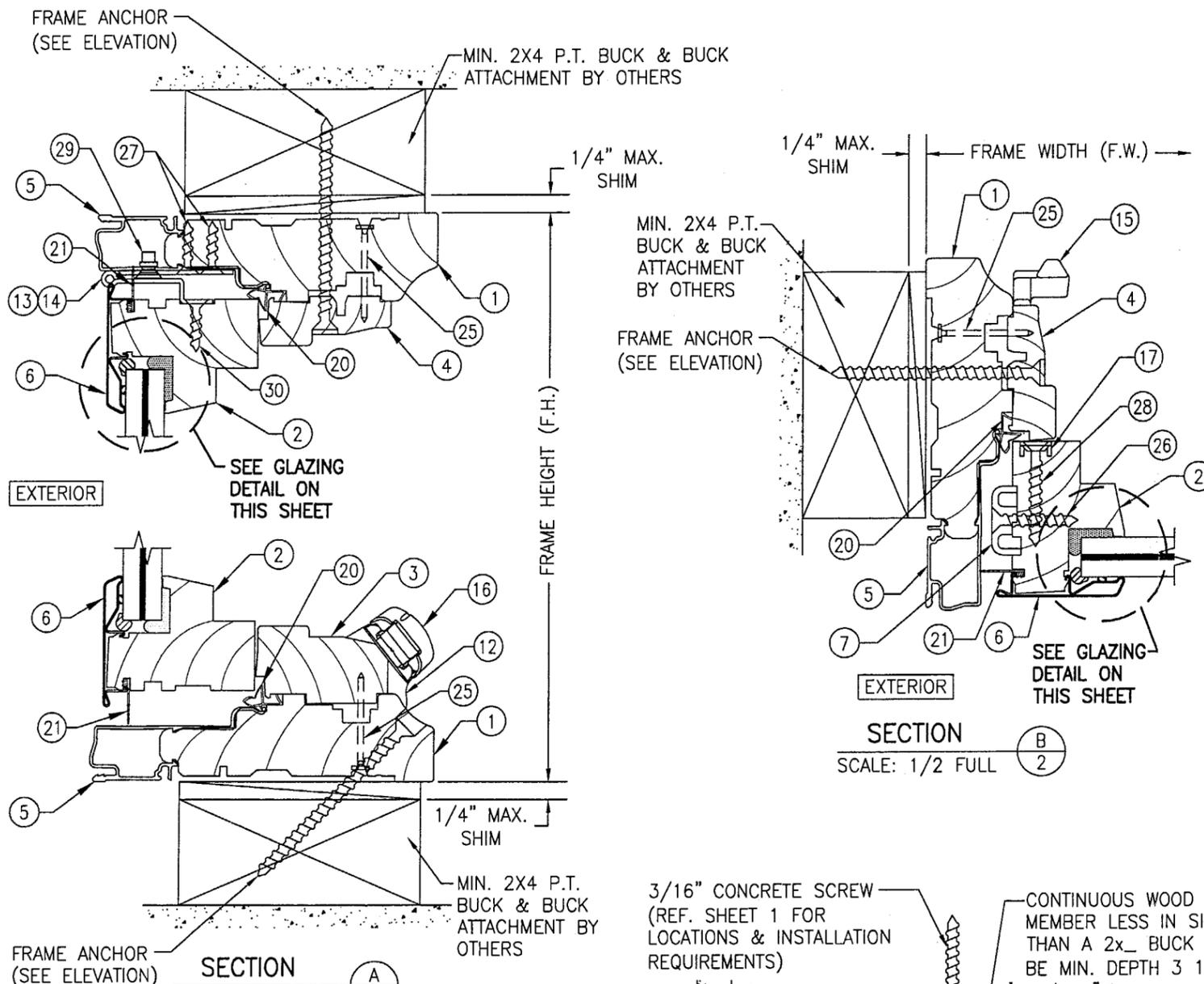
* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 10 SHEAR SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREW SHALL BE USED.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

ALUMINUM CLAD WOOD IMPACT AWNING WINDOW
 MANUFACTURER: PELLA CORPORATION
 102 MAIN STREET
 PELLA, IA 50219
 641-621-1000
 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
 AUG 29 2003
 WARRICK W. SCHAEFER, P.E.
 P.E. NO. 44135

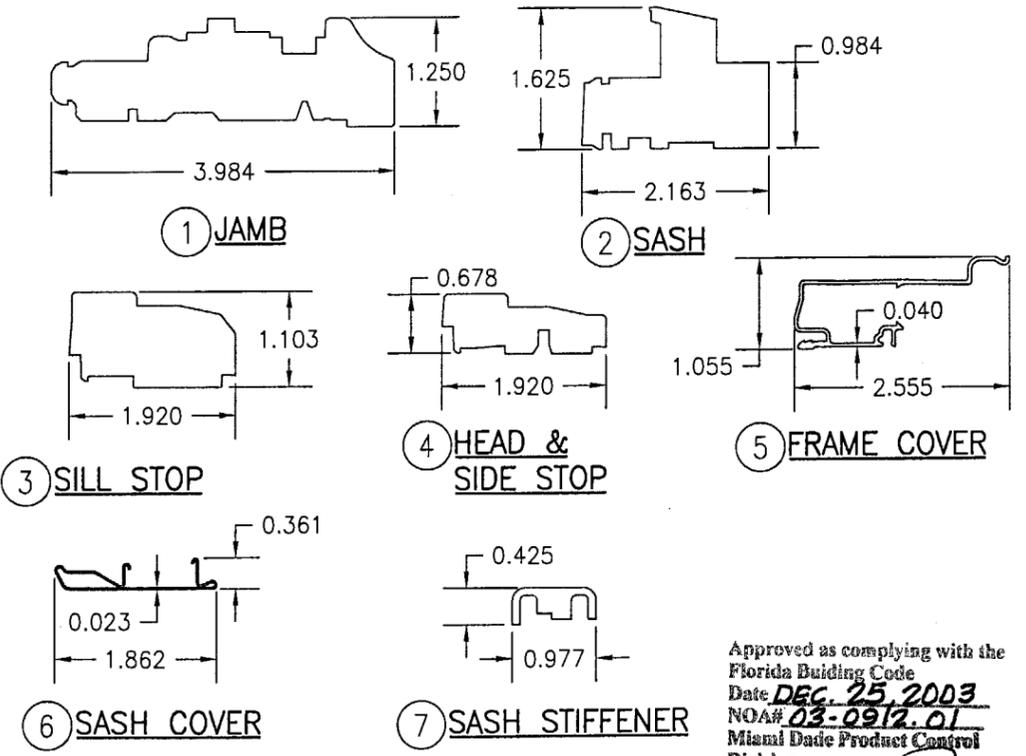
Approved as complying with the Florida Building Code
 Date: DEC. 23, 2003
 NOA# 03-0912.01
 Miami Dade Product Control
 Division
 By: *Warwick Schaefer*

DRAWING NO.	REV.
1249	
SHEET NO.	
1	OF 2



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	35BG	JAMB	* WOOD
2	37B7	SASH	* WOOD
3	33BF	SILL STOP	* WOOD
4	30C4	HEAD & SIDE STOP	* WOOD
5	0AJE	FRAME COVER	6063-T6 ALUMINUM
6	42Q2	SASH COVER	3003-H14 ALUMINUM
7	0A3Y	SASH STIFFENER	6063-T6 ALUMINUM
HARDWARE			
12	2ABA	INTEGRATED EGRESS ROTO OPERATOR	AS REQUIRED TO OPERATE WINDOW
13	6BAR	4" STAINLESS STEEL BUTT HINGE	PELLA
14	6BAS	8" STAINLESS STEEL BUTT HINGE	PELLA
15	16B2	LOCK ASSEMBLY (2 PER WINDOW)	PELLA
16	16BF	OPERATOR CRANK (AT SILL CENTER)	AS REQUIRED TO OPERATE WINDOW
17	50B7	STAINLESS STEEL SASH STRIKE	PELLA (1 PER LOCK)
SEALS AND SEALANTS			
20	76Q3	WEATHERSTRIP	PVC
21	75R0	RAINSTRIIP	PVC
MISC. FASTENERS			
25	-	1 3/8" RING SHANK NAIL	4" FROM CORNERS & 6" - 8" O.C.
26	-	NO. 8 X 1" S.S. FH SCREW	4.25" FROM ENDS & 7" MAX. O.C.
27	-	#6 X 3/4" S.S. FH SCREW	12 PER HINGE LEAF
28	-	#8 X 1 1/2" S.S. FH SCREW	2 PER SASH STRIKE
29	-	3/16" X .540 POP RIVET	8 PER HINGE
30	-	#6 X 3/4" S.S. FH SCREW	8 PER HINGE LEAF

* 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.



Approved as complying with the Florida Building Code
 Date **DEC. 25 2003**
 NOA# **03-0912.01**
 Miami Dade Product Control Division
 By *Manuel Perez*

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 08/13/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
ALUMINUM CLAD WOOD IMPACT AWNING WINDOW

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

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8885 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION
AUG 29 2003

DRAWING NO.
1249

SHEET NO.
2 OF 2