



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**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: Series "Impact Resistant " Aluminum Clad Wood Fixed Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1519, titled "HIG Aluminum Clad Impact Fixed Casement Window", sheets 1 through 6 of 6, dated 03/23/07, with Revision A1 dated 09/30/09, 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 revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 revises NOA # 07-0619.13 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Signature
12/16/09

**NOA No. 09-1027.06
Expiration Date: November 08, 2012
Approval Date: January 06, 2010
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

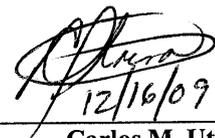
1. Drawing No. **1519**, titled "HIG Aluminum Clad Impact Fixed Casement Window", sheets 1 through 6 of 6, dated 03/23/07, with Revision A1 dated 09/30/09, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per 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
along with marked-up drawings and installation diagram of one Series/Model HIG Aluminum Clad Wood Casement/Fixed Window, prepared by Architectural Testing, Inc., Test Report No. **93261.01-201-18**, dated 09/15/09, signed and sealed by Joseph A. Reed, P.E.
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of three Series/Model HIG IG Aluminum Clad Wood Casement/Fixed Windows, prepared by Architectural Testing, Inc., Test Report No. **93328.01-201-18**, dated 08/24/09, with Revision 1 dated 10/12/09, signed and sealed by Joseph A. Reed, P.E.
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, TAS 202-94
along with marked-up drawings and installation diagram, prepared by Architectural Testing, Inc., Test Report No. **ATI 71262.08-201-18**, dated 07/27/2007, signed and sealed by Joseph A. Reed, P.E. "*Submitted under NOA # 07-0619.13*"

C. CALCULATIONS

1. Anchor verification calculations, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 09/08/09, signed and sealed by Warren W. Schaefer, P.E.



12/16/09

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 09-1027.06

Expiration Date: November 08, 2012

Approval Date: January 06, 2010

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS (Cont.)

2. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 04/12/07, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98/ 02
“Submitted under NOA # 07-0619.13”

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0225.10** issued to Glasslam NGI Inc. for their **“Safety-Plus II - Laminated Glass”** dated 08/07/03, expiring on 08/07/08.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours Nemours & CO., Inc. for **“DuPont Butacite PVB. Interlayer.”** dated January 05, 2006, expiring on December 11, 2010.

F. STATEMENTS

1. Statement letters of code conformance issued by Architectural Testing, Inc., dated 08/25/09 and 09/15/09, signed and sealed by Joseph A. Reed, P.E.
2. Statement letter of code conformance issued by W. W. Schaefer Engineering & Consulting, P.A., dated March 23, 2007, signed and sealed by Warren W. Schaefer, P.E.
3. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated March 23, 2007, signed and sealed by Warren W. Schaefer, P.E.
4. Statement letter of code conformance issued by Architectural Testing, Inc., dated May 23, 2007, signed and sealed by Joseph A. Reed, P.E.
“Submitted under NOA # 07-0619.13”



12/16/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-1027.06
Expiration Date: November 08, 2012
Approval Date: January 06, 2010

GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & 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 & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

CORNER CONSTRUCTION

FRAME CORNERS: THE SIDE WOOD MEMBERS ARE BUTTED TO THE HEAD & SILL MEMBERS & SECURED WITH THREE(3) 14 GAGE 7/16" X 2 1/2" STAPLES. CLADDING IS MITERED TOGETHER, JOINED WITH A PLASTIC CORNER KEY PART NO. 77U00000 & SEALED WITH BUTYL DEVAN 578.12 OR BOSTIK 900 POLYURETHANE SEALANT. EACH CLADDING MEMBER IS SECURED TO THE KEY WITH 1 NO. 10 X 17/32" FH SCREW (2 TOTAL PER CORNER)

SASH CORNERS:

OPTION 1: MORTISE & TENON CONSTRUCTION. A 1/8" BEAD OF BOSTIK CHEM-CALK URETHANE IS PLACED AT THE TENNON BOTTOM SURFACE. WOOD GLUE IS PLACED AT THE TENNON SIDES. THE JOINT IS THEN ASSEMBLED & SECURED WITH ONE 15 GA. X 1 1/2" FINISH NAIL.

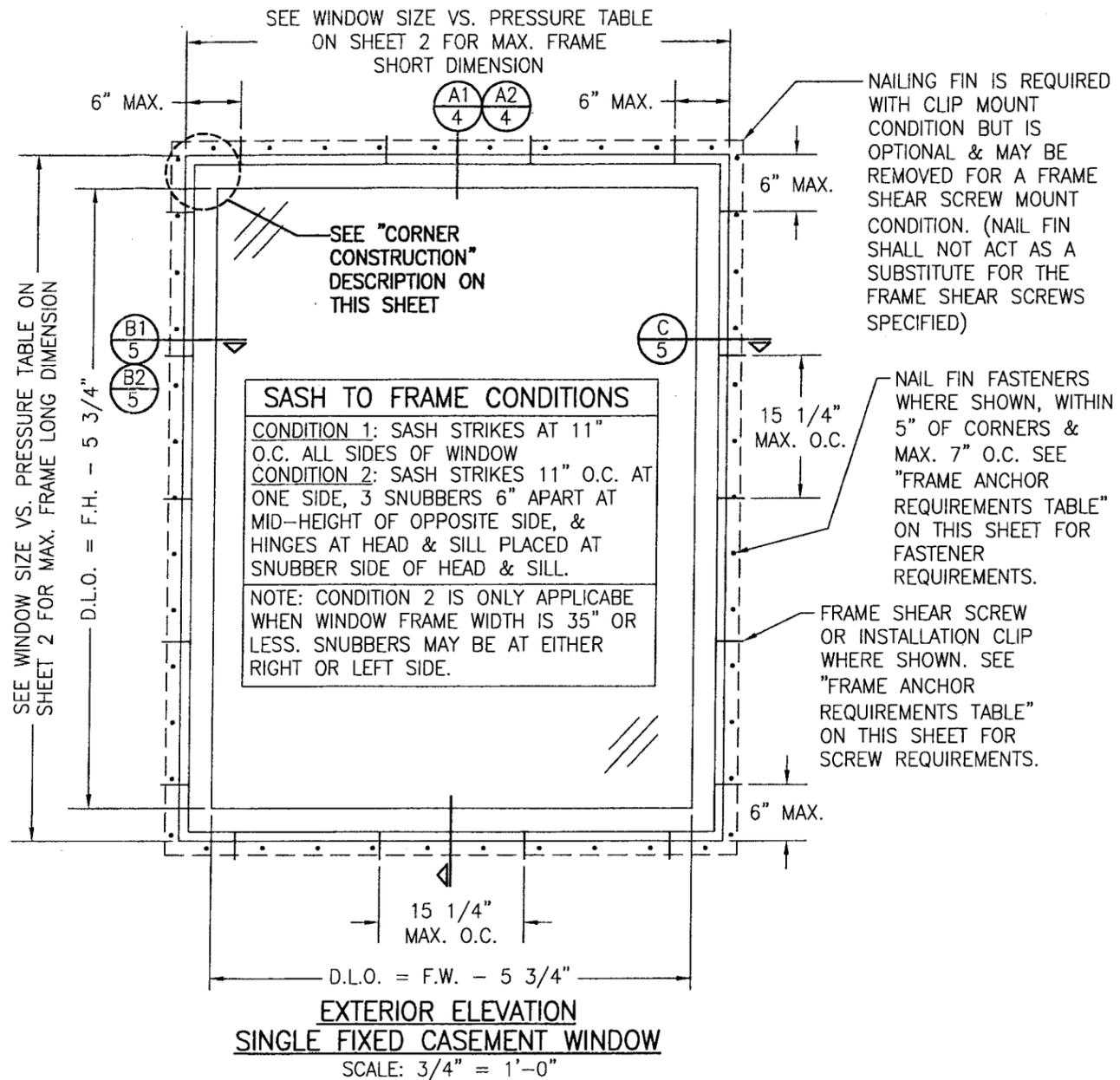
OPTION 2: SCREWED CONSTRUCTION. MEMBER ENDS ARE PROFILED AND PARTIALLY TENONED, BUTTED & ADHERED TOGETHER WITH BOSTIK 70-05/70-05A AND THEN SECURED WITH NO. 12 X 4" FH WOOD SCREWS (1 SCREW WITH SASH HEIGHTS LESS THAN 3.5"; 2 SCREWS WITH SASH HEIGHTS 3.5" TO 5 3/8"). THE CLADDING IS TABBED WITH THE TABS MEETING IN A BED OF BOSTIK IN A GROOVE ON THE EXTERIOR SASH FACE RESULTING FROM THE PARTIALLY TENNONED RAIL END.

SASH CORNER OPTION 2 WINDOWS ARE LIMITED TO MAXIMUM +/-60 PSF DESIGN PRESSURE (SEE PRESSURE NOTE ON SHEET 2)

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SHEAR SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
NAILING FIN			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	2" X 11 GA. ROOFING NAIL	1 7/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"

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



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

ALLOWABLE DESIGN PRESSURE
SEE LOAD TABLES ON SHEET 2

NAILING FIN IS REQUIRED WITH CLIP MOUNT CONDITION BUT IS OPTIONAL & MAY BE REMOVED FOR A FRAME SHEAR SCREW MOUNT CONDITION. (NAIL FIN SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME SHEAR SCREWS SPECIFIED)

NAIL FIN FASTENERS WHERE SHOWN, WITHIN 5" OF CORNERS & MAX. 7" O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR FASTENER REQUIREMENTS.

FRAME SHEAR SCREW OR INSTALLATION CLIP WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 03/23/07
DATE: 09/30/09	BY: WRM
REVISION DESCRIPTION	NO.
UPDATE PER NEW TESTING AND CURRENT STANDARDS	A1
HIGH ALUMINUM CLAD IMPACT FIXED CASEMENT 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	
DRAWING TITLE HIGH ALUMINUM CLAD IMPACT FIXED CASEMENT WINDOW	
CERTIFICATION OCT 01 2009 By <i>[Signature]</i> Warren W. Schaefer, P.E. P.E. NO. 44135	
DRAWING NO. 1519	REV. A
SHEET NO. 1 OF 6	

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-1027.06
Expiration Date 11/03/2012
By *[Signature]*
Miami/Dade Product Control Division

ALLOWABLE WINDOW SIZE VS. PRESSURE TABLE (SEE PRESSURE NOTE BELOW TABLE)
(SINGLE WINDOWS)

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)						MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)						
		GLASS OPTION								GLASS OPTION						
		A & C		B & D		E				A & C		B & D		E		
		POS.	NEG.	POS.	NEG.	POS.	NEG.			POS.	NEG.	POS.	NEG.			
144	29	-	-	75.0	75.0	-	-	73	59	-	-	75.0	75.0	-	-	
	26	-	-	75.0	85.0	-	-		52	-	-	75.0	81.8	-	-	
	17	75.0	75.0	75.0	85.0	-	-		48	-	-	75.0	85.0	-	-	
132	32	-	-	75.0	75.0	-	-		35	75.0	75.0	75.0	85.0	-	-	
	29	-	-	75.0	85.0	-	-		31	75.0	75.0	75.0	85.0	(*)65.5	(*)65.5	
	19	75.0	75.0	75.0	85.0	-	-		29	75.0	75.0	75.0	85.0	(*)71.3	(*)71.3	
120	17	75.0	75.0	75.0	85.0	-	-		25	75.0	75.0	75.0	85.0	75.0	75.0	
	35	-	-	75.0	75.0	-	-		71	60	-	-	75.0	75.0	-	-
	32	-	-	75.0	84.9	-	-			54	-	-	75.0	81.8	-	-
	21	75.0	75.0	75.0	85.0	-	-			49	-	-	75.0	85.0	-	-
19	75.0	75.0	75.0	85.0	74.8	74.8	35	75.0		75.0	75.0	85.0	-	-		
108	39	-	-	75.0	75.0	-	-	32		75.0	75.0	75.0	85.0	(*)64.8	(*)64.8	
	35	-	-	75.0	85.0	-	-	29		75.0	75.0	75.0	85.0	(*)73.4	(*)73.4	
	23	75.0	75.0	75.0	85.0	-	-	25		75.0	75.0	75.0	85.0	75.0	75.0	
	21	75.0	75.0	75.0	85.0	75.0	75.0	65		65	-	-	75.0	75.0	-	-
96	44	-	-	75.0	75.0	-	-			59	-	-	75.0	85.0	-	-
	39	-	-	75.0	85.0	-	-			39	73.1	73.1	75.0	85.0	-	-
	26	75.0	75.0	75.0	85.0	-	-		35	75.0	75.0	75.0	85.0	(*)69.6	(*)69.6	
	23	75.0	75.0	75.0	85.0	75.0	75.0		32	75.0	75.0	75.0	85.0	(*)73.7	(*)73.7	
84	50	-	-	75.0	75.0	-	-		29	75.0	75.0	75.0	85.0	75.0	75.0	
	45	-	-	75.0	83.1	-	-		59	59	-	-	75.0	85.0	-	-
	41	-	-	75.0	85.0	-	-			43	73.0	73.0	75.0	85.0	-	-
	30	75.0	75.0	75.0	85.0	-	-			38	74.6	74.6	75.0	85.0	(*)73.2	(*)73.2
	27	75.0	75.0	75.0	85.0	(*)72.5	(*)72.5			36	75.0	75.0	75.0	85.0	75.0	75.0
	26	75.0	75.0	75.0	85.0	75.0	75.0	53		53	-	-	75.0	85.0	75.0	75.0
79	53	-	-	74.9	74.9	-	-			48	75.0	75.0	75.0	85.0	75.0	75.0
	48	-	-	75.0	82.0	-	-		42	75.0	75.0	75.0	85.0	75.0	75.0	
	32	75.0	75.0	75.0	85.0	-	-		47	47	75.0	75.0	75.0	85.0	75.0	75.0
	28	75.0	75.0	75.0	85.0	(*)71.3	(*)71.3									
25	75.0	75.0	75.0	85.0	75.0	75.0										

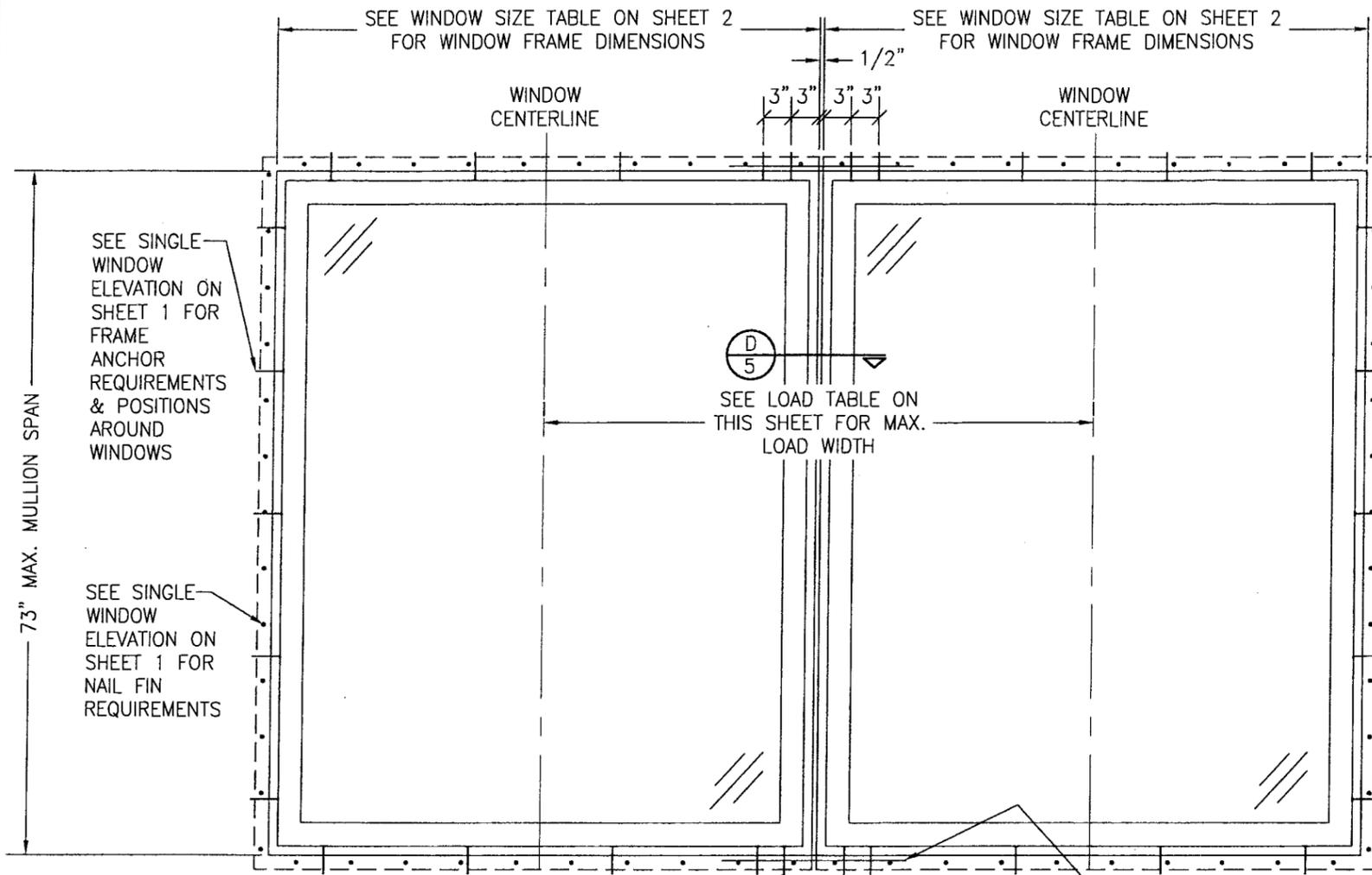
NOTES:
 1. SEE GLAZING DETAILS ON SHEET 4 FOR GLASS OPTIONS.
 2. IF NO PRESSURE IS SHOWN, THE SIZE SPECIFIED IS NOT ACCEPTABLE FOR THAT GLASS OPTION.
 3. IF WINDOWS ARE MULLED TOGETHER, THE LESSER OF THE PRESSURE SPECIFIED IN THIS TABLE FOR THE INDIVIDUAL WINDOW(S) AND THAT SPECIFIED IN THE MULLION TABLE SHALL CONTROL FOR THE OVERALL UNIT.

(*) WHEN GLASS TYPE "E" USES 1/8" TEMPERED GLASS FOR THE EXTERIOR PANE OF GLASS IN LIEU OF 1/8" ANNEALED, THE ALLOWABLE PRESSURE ON THE WINDOW MAY BE INCREASED TO +/-75 PSF.

ALLOWABLE PRESSURE NOTE:
 PRESSURES LISTED IN TABLE CONSIDER WINDOWS WITH SASH CORNER CONSTRUCTION OPTION 1. WHEN SASH CORNER CONSTRUCTION OPTION 2 IS USED, ALLOWABLE PRESSURE MAY NOT EXCEED +/-60 PSF REGARDLESS OF PRESSURES SHOWN IN TABLE.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 07-1027.06
 Expiration Date: 11/02/2012
 By: [Signature]
 Miami Dade Product Control Division

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 03/23/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: HIG ALUMINUM CLAD 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 01 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.	SHEET NO.	
1519	A	2 OF 6	



ADDITIONAL FRAME SCREWS OR INSTALLATION CLIPS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR FRAME & CLIP SCREW REQUIREMENTS.

**EXTERIOR ELEVATION
MULTIPLE FIXED CASEMENT
WINDOWS**

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

3" x 20" x 0.063" GALVANIZED STEEL PLATE PLACED ACROSS THE MULLION SEAM AND SECURED TO EACH WINDOW FRAME WITH 6 NO. 8 X 3/4" SCREWS (TYP. ALL MULLION ENDS)

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
2. MULLION MAY BE HORIZONTAL OR VERTICAL PROVIDING WINDOW SIZES ARE RESTRICTED AS SHOWN IN THIS ELEVATION.
3. IF VERTICALLY STACKED, THE MANUFACTURER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE WINDOWS CAN NOT CAUSE UNDO FAILURE.
4. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
5. INDIVIDUAL WINDOW SIZES SHALL BE AS SPECIFIED IN THE SINGLE WINDOW ELEVATION.

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POSITIVE	NEGATIVE
73	59.5	75.0	75.0
	53.5	75.0	78.0
	47.5	75.0	82.5
	41.5	75.0	85.0
71	59.5	75.0	78.6
	53.5	75.0	81.5
	47.5	75.0	85.0
65	65.5	75.0	85.0
59	59.5 & GREATER	75.0	85.0

NOTES:
 1. LOAD WIDTH IS THE DISTANCE BETWEEN WINDOW CENTERLINES.
 2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURES SHOWN IN THIS TABLE & THOSE SPECIFIED FOR THE INDIVIDUAL WINDOW.

DRAWN BY: W.R.M. CHECKED BY: W.W.S.
 PLOT: 1=16 DATE: 03/23/07

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
HIG ALUMINUM CLAD 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

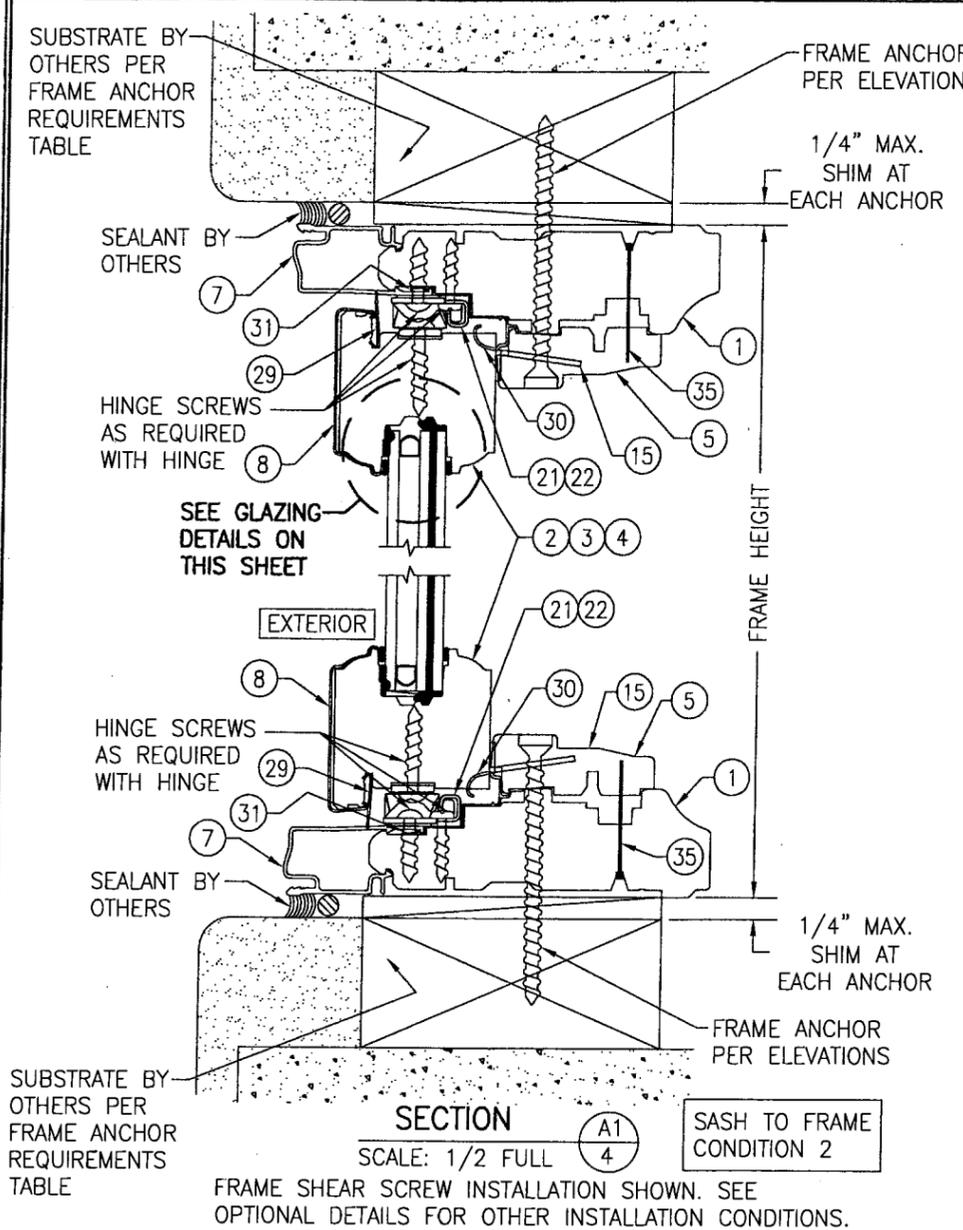
MANUFACTURER

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

CERTIFICATION
 OCT 01 2009
 WAREN W. SCHAEFER P.E.
 P.E. NO. 44135

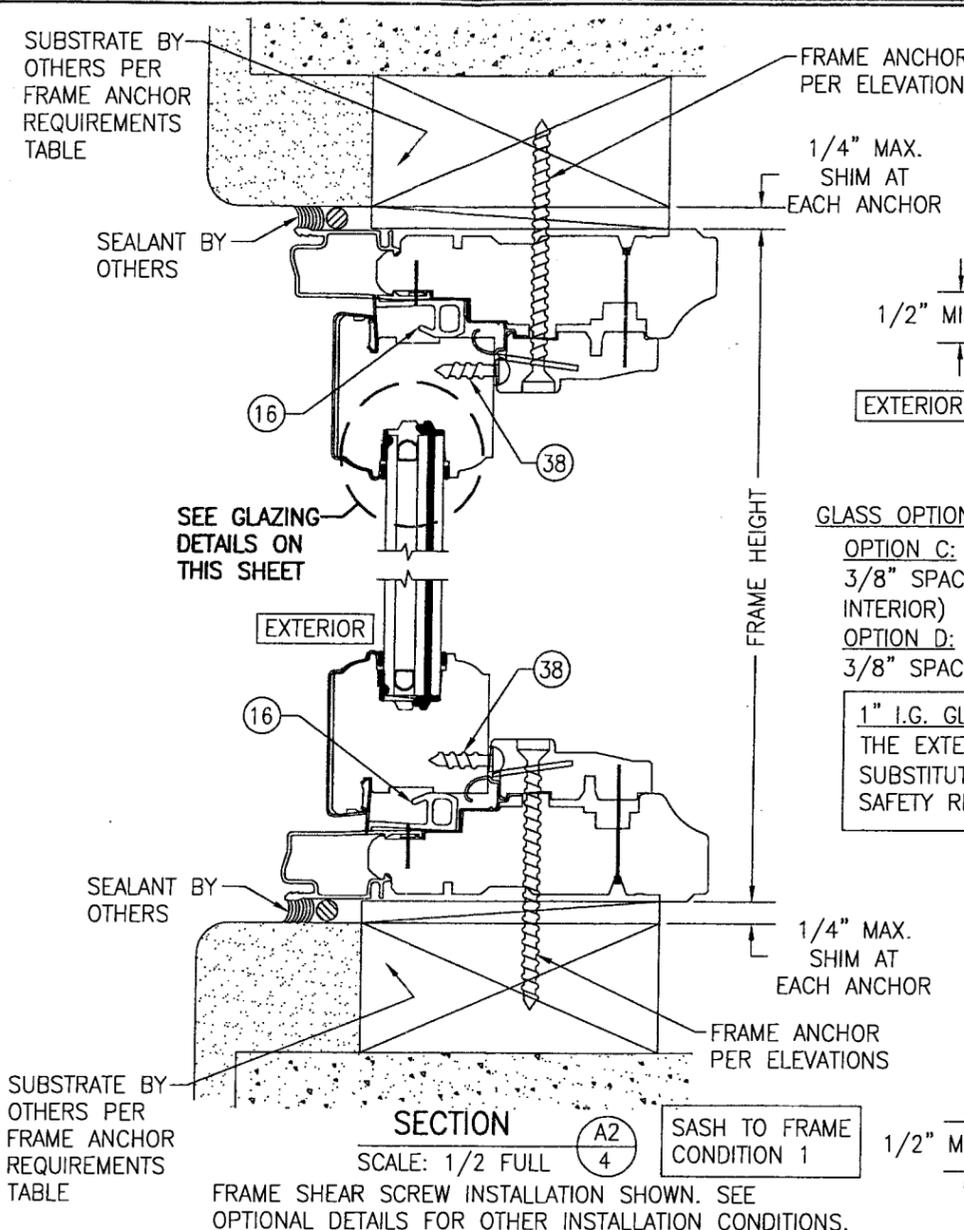
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 07-1027.06
 Expiration Date 11/08/2012
 By: 
 Miami Dade Product Control Division

DRAWING NO. 1519 REV. A
 SHEET NO. 3 OF 6



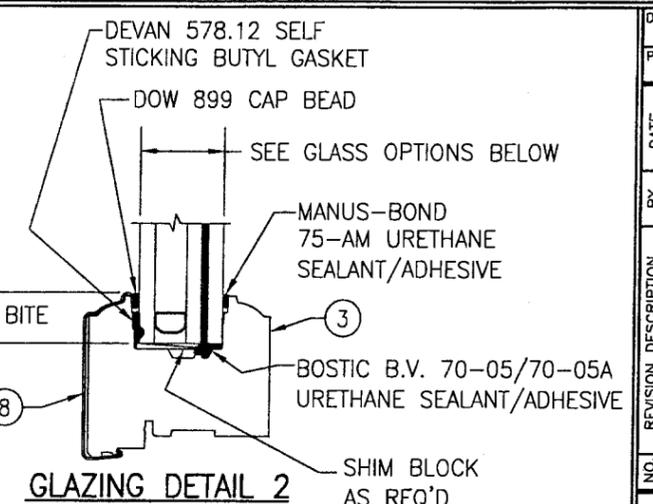
SECTION A1
SCALE: 1/2 FULL
SASH TO FRAME CONDITION 2

FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.



SECTION A2
SCALE: 1/2 FULL
SASH TO FRAME CONDITION 1

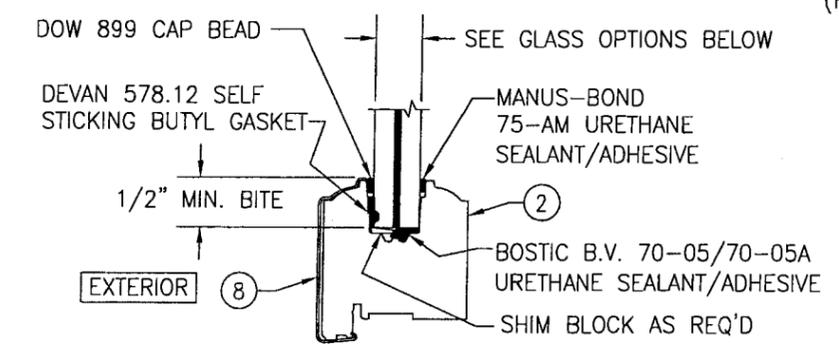
FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS. (FOR DETAIL NOT SHOWN, SEE SECTION A1/4)



GLAZING DETAIL 2

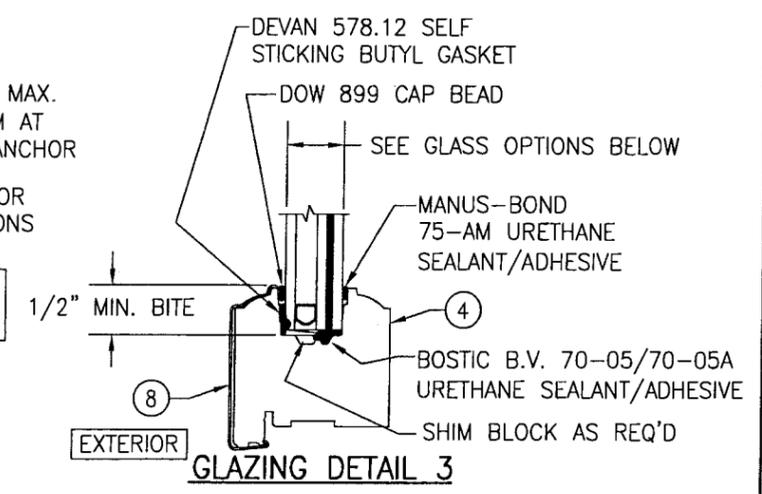
GLASS OPTIONS:
 OPTION C: 1" THICK LAMINATED I.G. GLASS (3/16" AN. EXTERIOR; 3/8" SPACER; 5/32" AN./0.09 DUPONT BUTACITE PVB/5/32" AN. INTERIOR)
 OPTION D: 1" THICK LAMINATED I.G. GLASS (3/16" AN. EXTERIOR; 3/8" SPACER; 5/32" AN./0.09 DUPONT SGP/5/32" AN. INTERIOR)

1" I.G. GLASS NOTE:
 THE EXTERIOR 3/16" ANNEALED PANE OF GLASS MAY BE SUBSTITUTED WITH 3/16" TEMPERED WHEN REQUIRED TO MEET SAFETY REQUIREMENTS.



GLAZING DETAIL 1

GLASS OPTIONS:
 OPTION A: 9/16" THICK LAMINATED GLASS (1/4" AN./0.09 DUPONT BUTACITE PVB/1/4" AN.)
 OPTION B: 9/16" THICK LAMINATED GLASS (1/4" AN./0.09 DUPONT SGP/1/4" AN.)



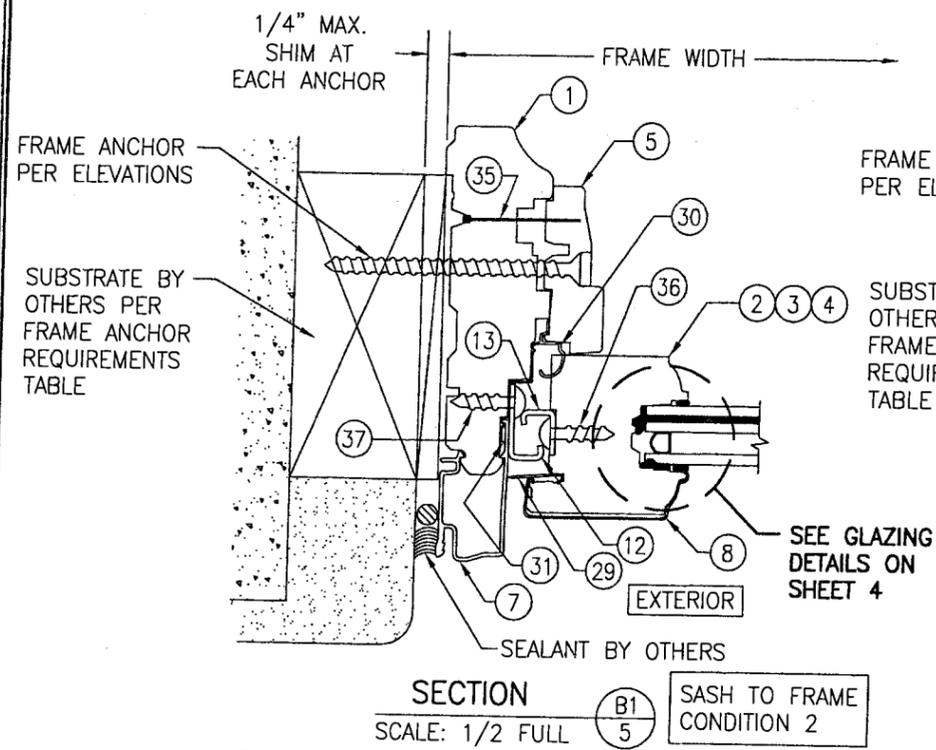
GLAZING DETAIL 3

GLASS OPTIONS:
 OPTION E: 11/16" THICK LAMINATED I.G. GLASS (1/8" AN. EXTERIOR; 1/4" SPACER; 2.7mm AN./0.09 DUPONT BUTACITE PVB/2.7mm AN. INTERIOR)

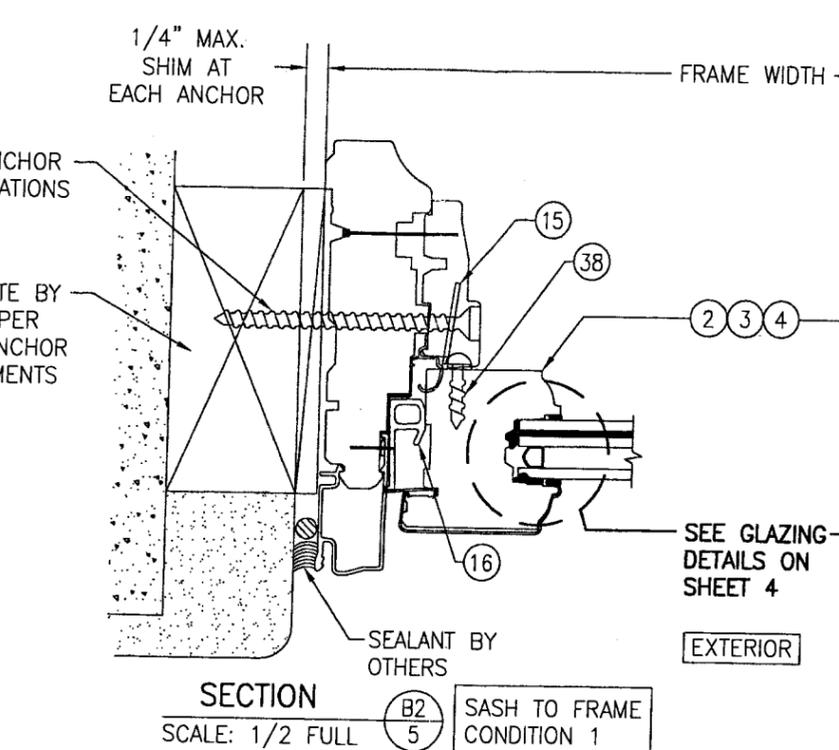
11/16" I.G. GLASS NOTE:
 THE EXTERIOR 1/8" ANNEALED PANE OF GLASS MAY BE SUBSTITUTED WITH 1/8" TEMPERED WHEN REQUIRED TO MEET SAFETY REQUIREMENTS.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 074027.06
 Expiration Date 11/03/2012
 By: [Signature]
 Miami Dade Product Control Division

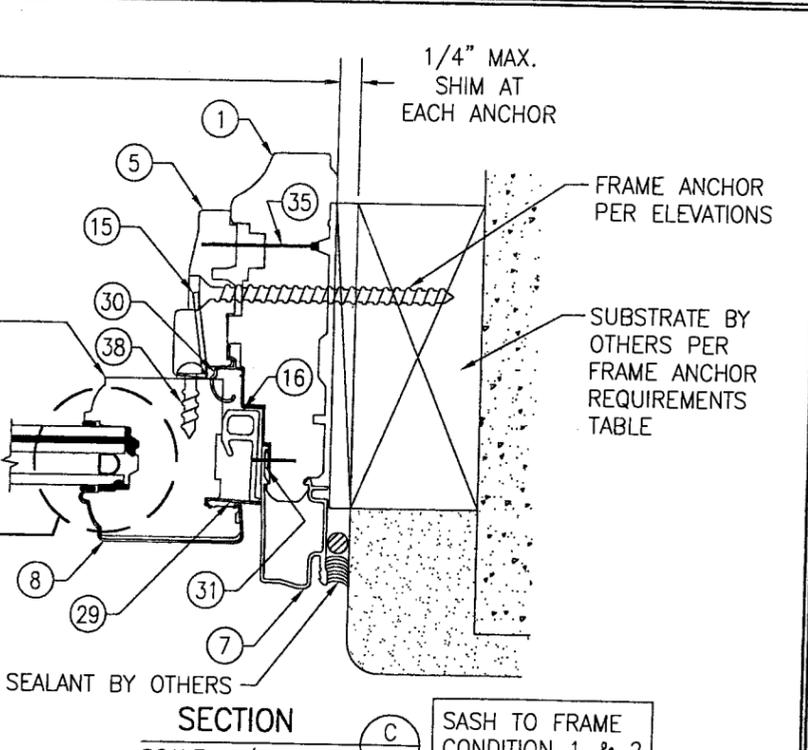
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/23/07
NO.	REVISION DESCRIPTION
DATE	BY
HIG ALUMINUM CLAD IMPACT FIXED CASEMENT WINDOW MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION 01/01/2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1519	REV. A
SHEET NO. 4 OF 6	



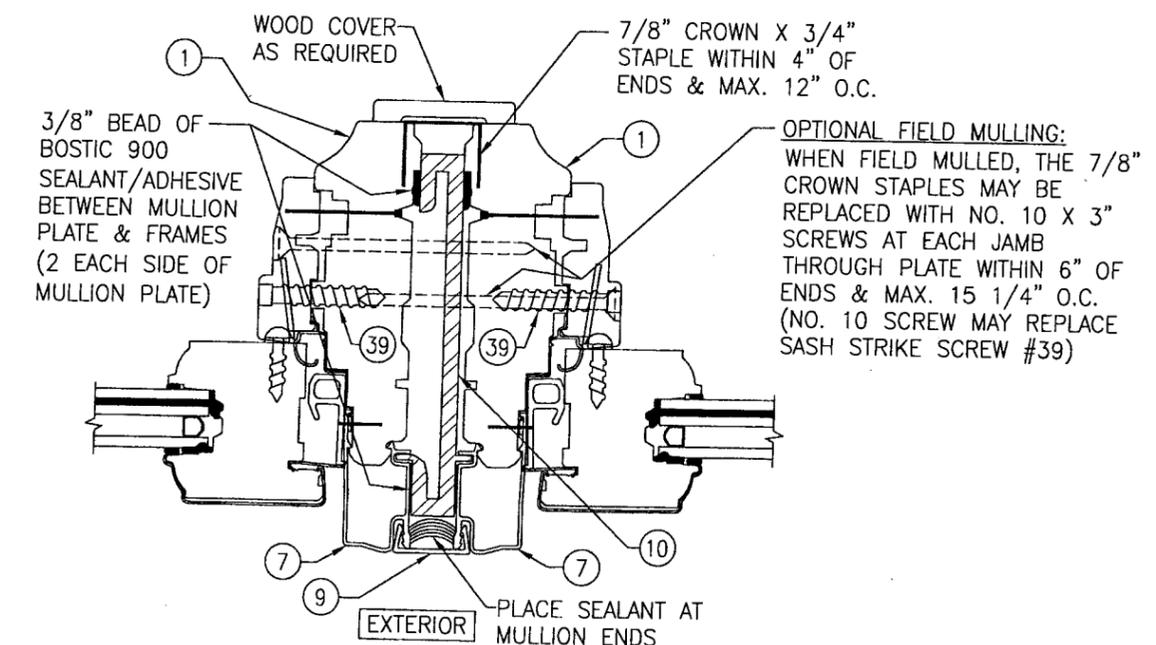
SECTION B1/5
 SCALE: 1/2 FULL
 SASH TO FRAME CONDITION 2
 FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.



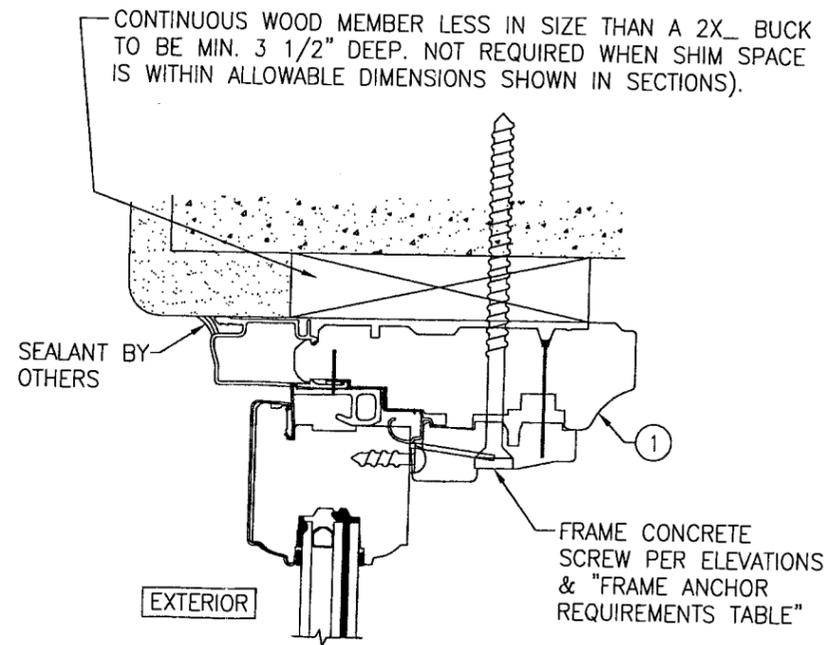
SECTION B2/5
 SCALE: 1/2 FULL
 SASH TO FRAME CONDITION 1
 FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.
 (FOR DETAIL NOT SHOWN, SEE SECTION B1/5)



SECTION C/5
 SCALE: 1/2 FULL
 SASH TO FRAME CONDITION 1 & 2
 FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.



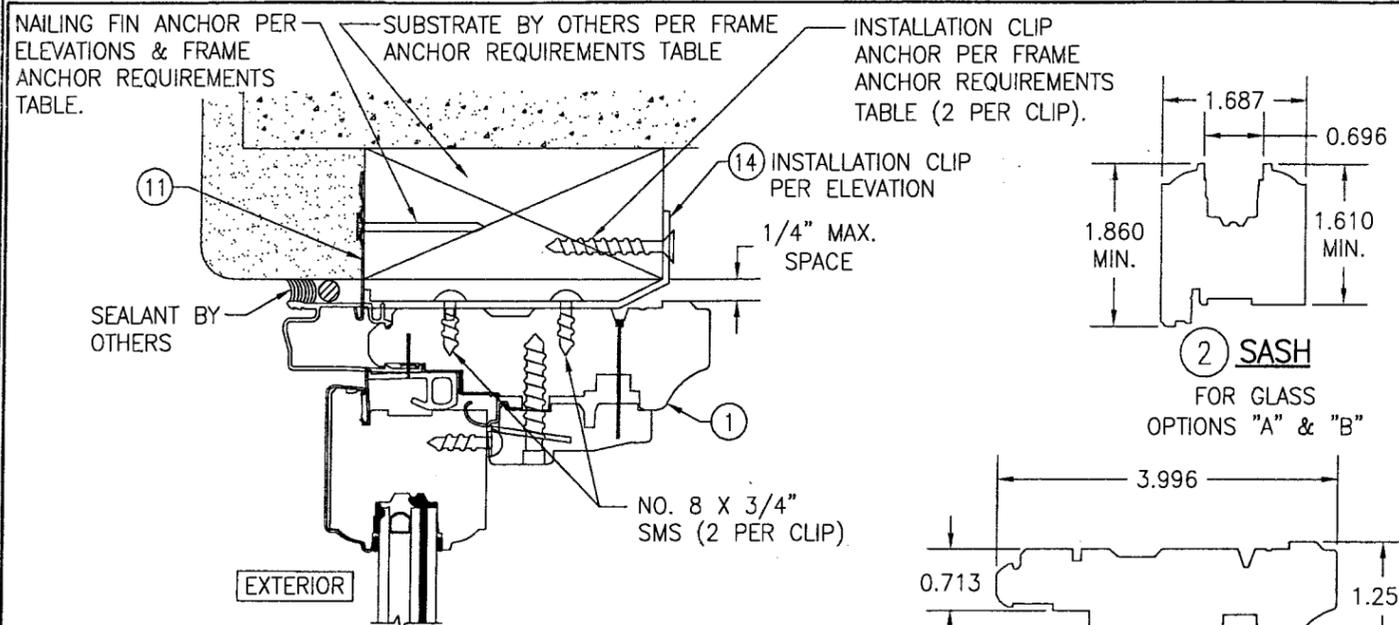
SECTION D/5
 SCALE: 1/2 FULL
 FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



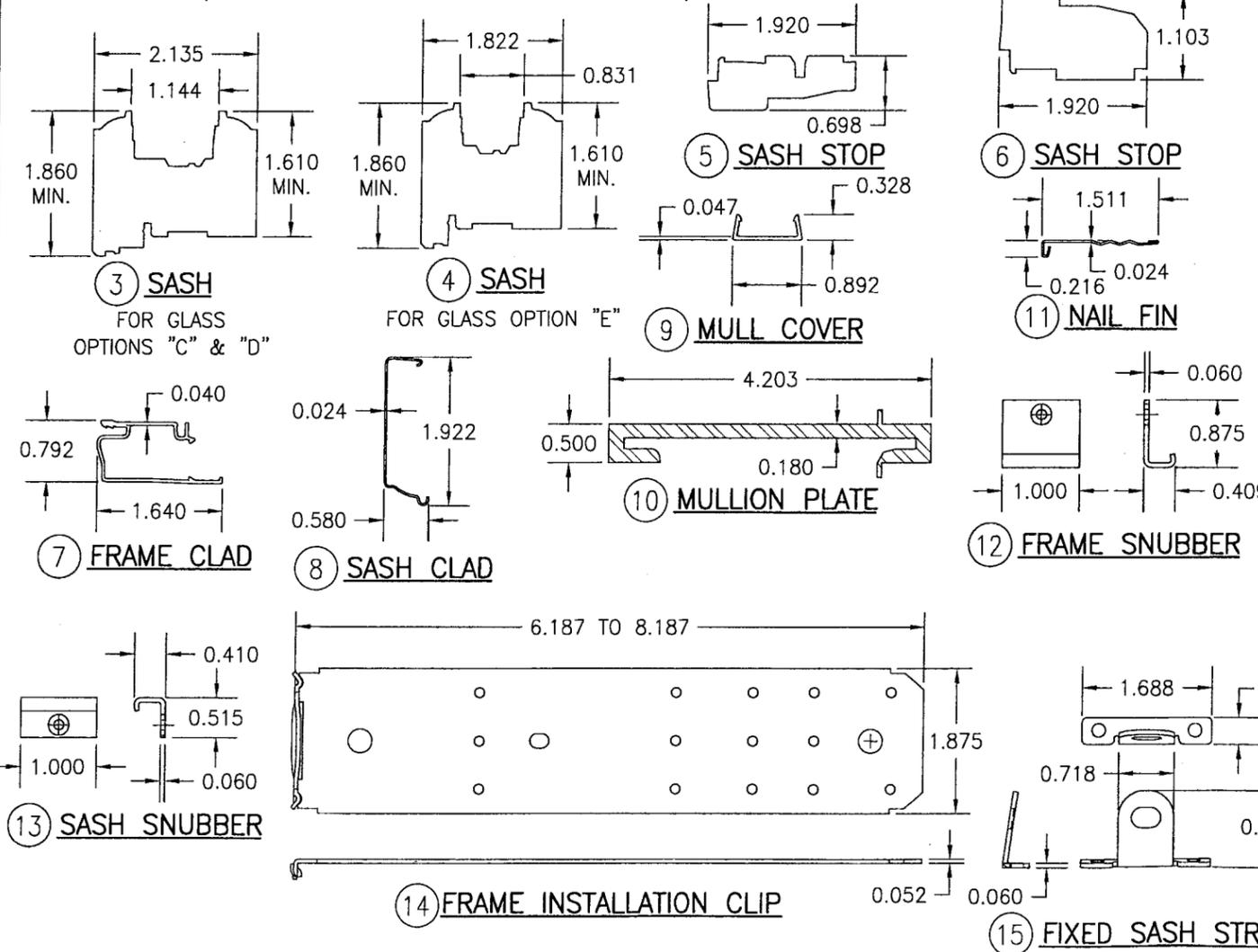
OPTIONAL DIRECT MOUNT DETAIL TO BLOCK OR CONCRETE WITH SPACER OR SHIM
 (HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

PRODUCT REVISED
 or complying with the Florida Building Code
 Acceptance No. 09-1027.06
 Expiration Date 11/08/2012
 By: [Signature]
 Miami/Dade Product Control Division

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/23/07	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: HIG ALUMINUM CLAD 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 01 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO.	REV.	SHEET NO.	
1519	A	5 OF 6	

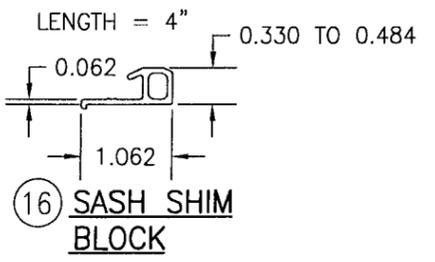


OPTIONAL INSTALLATION CLIP/NAIL FIN DETAIL
 (HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME JAMB	WOOD
2	SASH FOR GLASS OPTION A & B	WOOD
3	SASH FOR GLASS OPTION C & D	WOOD
4	SASH FOR GLASS OPTION E	WOOD
5	SASH STOP	WOOD
6	SASH STOP (VENT SILL)	WOOD
7	FRAME CLAD	6063-T6 ALUMINUM
8	SASH CLAD	3003-H14 ALUMINUM
9	MULLION COVER	6063-T6 ALUMINUM
10	MULLION PLATE	6063-T6 ALUMINUM
11	NAIL FIN	3003-H14 ALUMINUM
12	FRAME SNUBBER	302/304 S.S. (3 PER WINDOW 6" APART)
13	SASH SNUBBER	302/304 S.S. (3 PER WINDOW 6" APART)
14	INSTALLATION CLIP	50 KSI GALVANIZED STEEL
15	FIXED SASH STRIKE	AT MAX. 11" O.C. (304 S.S.)
16	SASH SHIM BLOCK	PLASTIC (3 PER SIDE)
HARDWARE		
21	CENTER PIVOT HINGE (USED WITH ROTO OPERATOR)	OVERLAND 1AJC/1AJA WITH GLAZING DETAIL 3; TRUTH 14.97/14.92 WITH GLAZING DETAILS 1 & 2
22	SCISSOR HINGE (USED WITH EGRESS OPERATOR)	PELLA 15EA/15E9 (16 GAGE 302/304 S.S.)
23	ROTO OPERATOR	PELLA #2AAX/2AAY
24	EGRESS OPERATOR	PELLA #2ABA
SEALS & SEALANTS		
29	RAINSTRIIP	PELLA PART #75T2 - PVC DUROMETER 75
30	WEATHERSTRIP	PELLA PART #505J - PP/SANTOPRENE 64
31	FRAME CLAD SEALANT	BUTYL
MISCELLANEOUS FASTENERS		
35	1 3/8" 4D ANNULAR RINGSHANK BOX NAIL	WITHIN 5" OF CORNERS & 4" TO 9" O.C.
36	NO. 7 X 1" FH SCREW	1 PER SNUBBER
37	NO. 7 X 3/4" PH SCREW	1 PER SNUBBER
38	NO. 8 X 3/4" PH SCREW	2 PER SASH STRIKE
39	NO. 14 X 1 1/2" FILISTER HEAD SCREW	1 PER SASH STRIKE

NOTE: WOOD USED IN TESTING WAS WESTERN PINE WITH A SPECIFIC GRAVITY OF G = 0.43 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PELLA CORPORATION TO SELECT.



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/23/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE HIG ALUMINUM CLAD IMPACT FIXED CASEMENT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER PELLA CORPORATION	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION OCT 01 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1519	REV. A
SHEET NO. 6 OF 6	

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No *09-1077.06*
 Expiration Date *11/07/2012*
 By *[Signature]*
 Miami Dade Product Control
 Division