



**MIAMI-DADE COUNTY**  
**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)**

[www.buldingcodeonline.com](http://www.buldingcodeonline.com)

**Weather Shield Manufacturing, Inc.**  
**One Weather Shield Plaza**  
**Medford, WI 54451**

**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 "Legacy" Aluminum Clad Outswing Wood Casement Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1070, titled "Legacy Aluminum Clad Wood Impact Outswing Casement Window", sheets 1 through 5 of 5, dated 04/04/02, with revision A dated 02/07/08, 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 Renewal 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" or the Product Control Seal, 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 **renews NOA # 02-1018.08** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



**NOA No. 07-1203.10**  
**Expiration Date: February 13, 2013**  
**Approval Date: March 06, 2008**  
**Page 1**

**Weather Shield Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1070**, titled "Legacy Aluminum Clad Wood Impact Outswing Casement Window", sheets 1 through 5 of 5, dated 04/04/02, with revision A dated 02/07/08, 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  
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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0201-01**, dated 7/5/02, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA #02-1018.08)*
2. 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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0410-01**, dated 7/5/02, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA #02-1018.08)*
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-1204-01**, dated 11/21/01, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA #02-1018.08)*
4. 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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0412-01**, dated 4/16/01, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA #02-1018.08)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-1203.10

Expiration Date: February 13, 2013

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**Weather Shield Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

5. 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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0418-01**, dated 04/20/01, signed and sealed by Vinu J. Abraham, P.E.  
***(Submitted under previous NOA #02-1018.08)***
6. 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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0205-01**, dated 02/07/01, signed and sealed by Vinu J. Abraham, P.E.  
***(Submitted under previous NOA #02-1018.08)***
7. 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 fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0106-02**, dated 01/08/02, signed and sealed by Vinu J. Abraham, P.E.  
***(Submitted under previous NOA #02-1018.08)***

**C. CALCULATIONS**

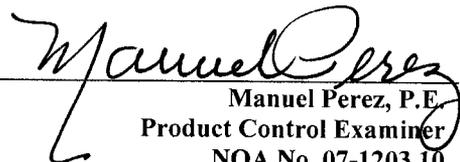
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/23/06, signed and sealed by Warren W. Schaefer, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.  
2. Notice of Acceptance No. **07-0831.06** issued to Cardinal LG for their "**Laminated Glass Cardinal Sea-Storm Type B**", dated 10/11/07, expiring on 12/30/12.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-1203.10  
Expiration Date: February 13, 2013  
Approval Date: March 06, 2008

**Weather Shield Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated 4/4/02, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 4/4/02, signed and sealed by Warren Schaefer, P.E.
3. Statement letter of conformance, dated 02/07/08, also stating that he is still practicing, signed and sealed by Warren Schaefer, P.E.

**G. OTHER**

1. Notice of Acceptance No. **02-1018.08**, issued to Weather Shield Windows & Doors for their Series "Legacy" Aluminum Clad Wood Outswing Casement Window, approved on 02/13/03 and expiring on 02/13/08.

  
Manuel Pérez, P.E.  
Product Control Examiner

NOA No. 07-1203.10

Expiration Date: February 13, 2013

Approval Date: March 06, 2008

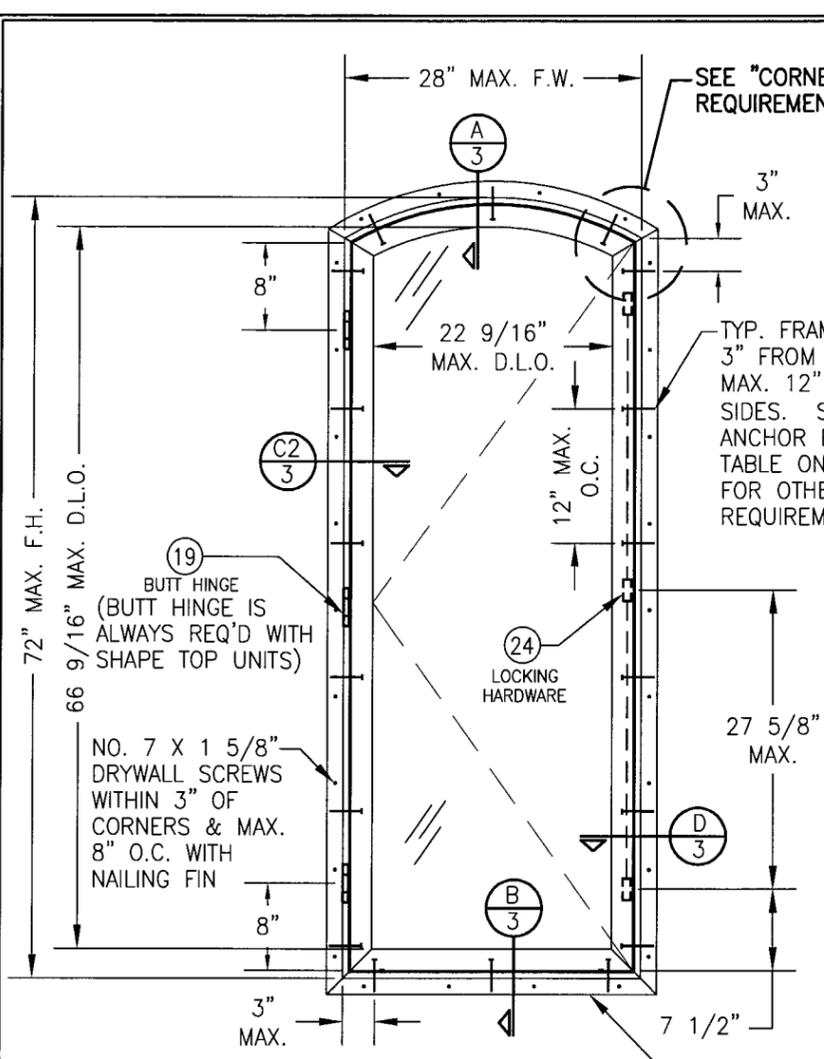
DATE	BY	NO.	REVISION	DESCRIPTION
02/07/08		A1	UPDATE TO 2004 CODE COMPLIANCE	

DRAWN BY: J.C.F.  
 CHECKED BY: W.W.S.  
 PLOT: 1=16  
 DATE: 04/04/02

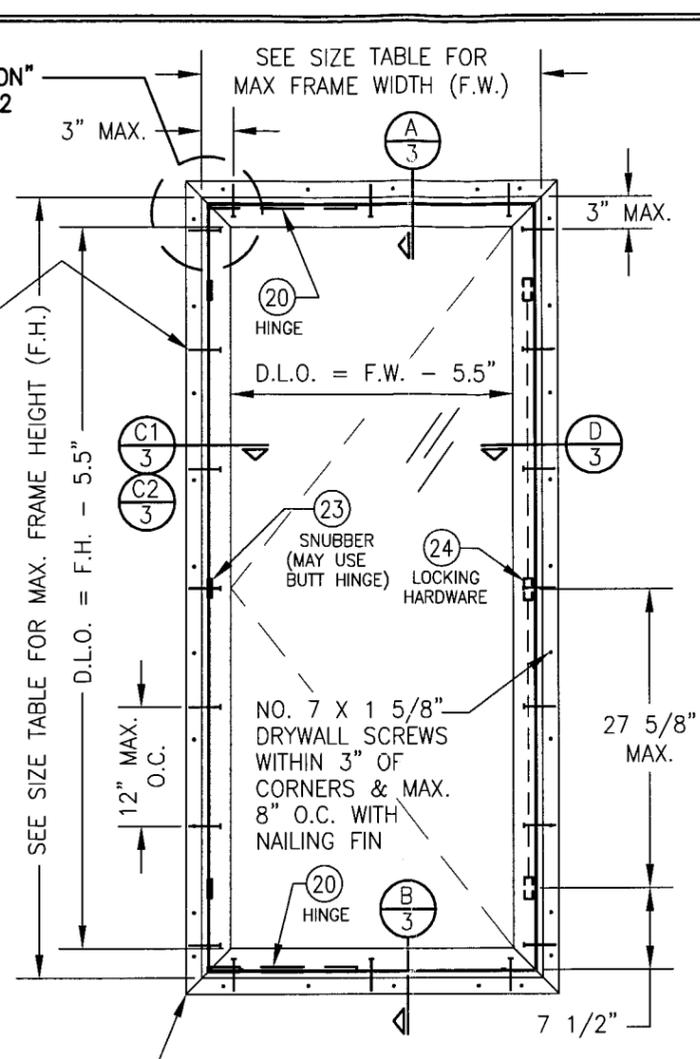
LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW  
 MANUFACTURER  
 WEATHER SHIELD WINDOWS & DOORS  
 ONE WEATHER SHIELD PLAZA  
 MEDFORD, WI 54451  
 715-748-6555

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

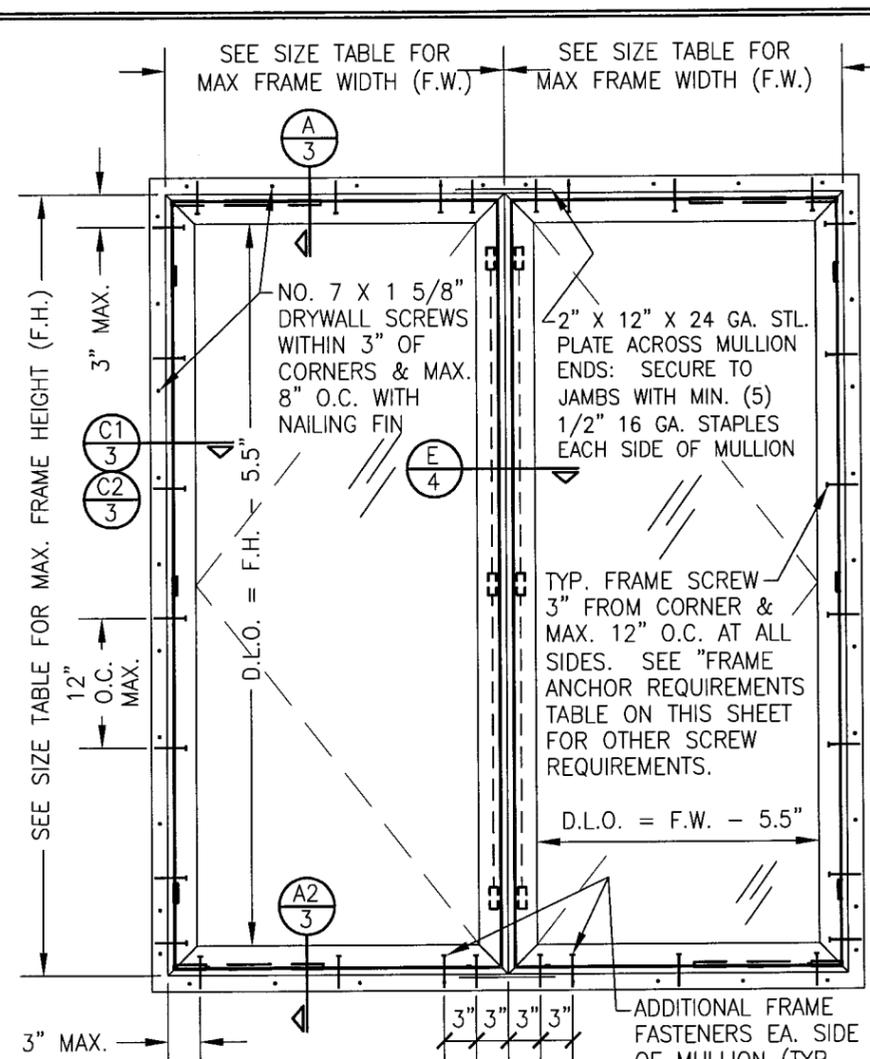
CERTIFICATION  
 FEB 07 2008  
 WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135



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



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



**EXTERIOR ELEVATION  
 MULTIPLE OPERABLE CASEMENTS  
 (MAX. FOUR WINDOWS MAY BE COMBINED)**  
 SCALE: 3/4"=1'-0"

**GENERAL NOTES**  
 FOR ALLOWABLE WINDOW PRESSURES, SEE LOAD TABLE ON SHEET 2.

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 & SHALL 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 THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) 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.
8. ALL FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.
10. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE & GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  SHALL BE USED.
11. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW DESIGN.

**\* WINDOW ALLOWABLE SIZE TABLE**

FRAME HEIGHT (F.H.)	FRAME WIDTH (F.W.)
58" & LESS	36" MAX.
59" TO 72"	32" MAX.

\*APPLICABLE TO RECTANGULAR WINDOWS ONLY. SHAPE TOP WINDOWS ARE LIMITED TO THOSE DIMENSIONS SHOWN IN ELEVATION.

**LOCK/SNUBBER/HINGE REQUIREMENTS**

WINDOW FRAME WIDTH OF 32" & LESS	
FRAME HEIGHT	# OF LOCKS/SNUBBER/HINGES
ABOVE 48"	3
48" & LESS	2

WINDOW FRAME WIDTH GREATER THAN 32"	
FRAME HEIGHT	# OF LOCKS/SNUBBER/HINGES
ABOVE 42"	3
42" & LESS	2

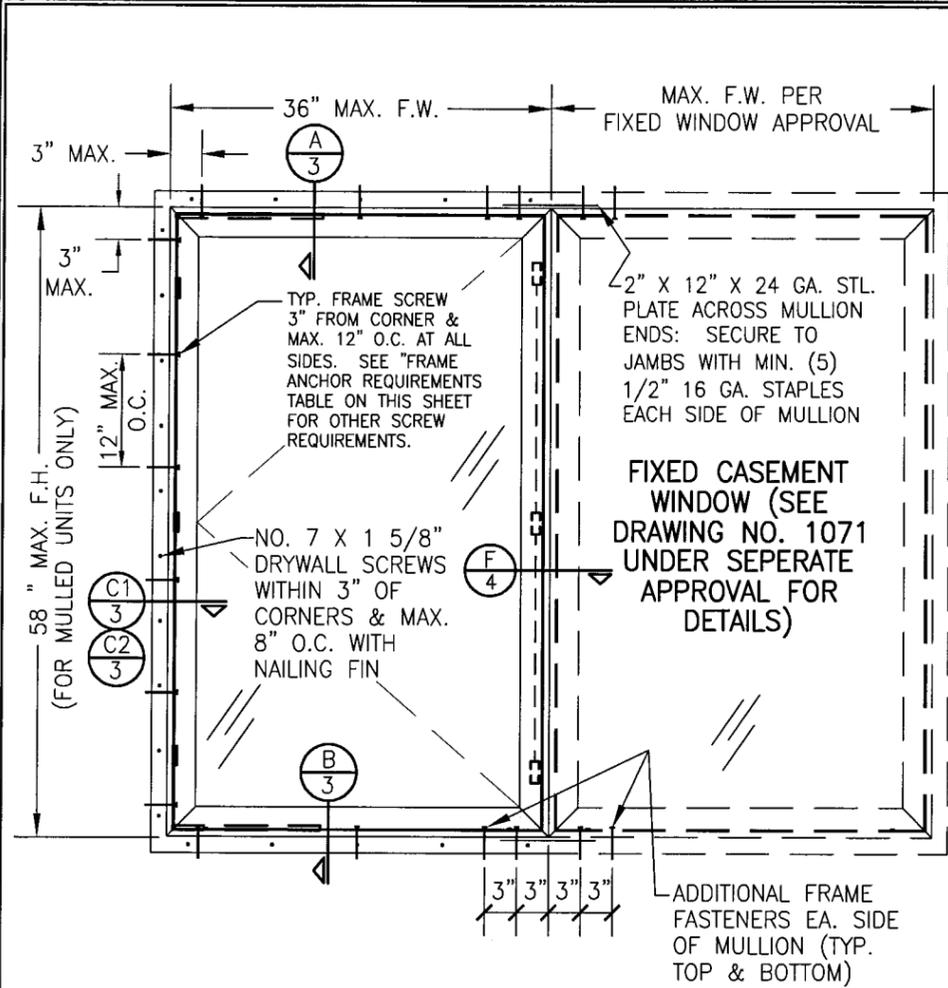
**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	3/16" CONCR. SCREW	1 1/4"	2"

CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, ELCO TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

**\* SHEAR SCREW ANCHOR NOTE:** FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 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 "FRAME ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISSIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

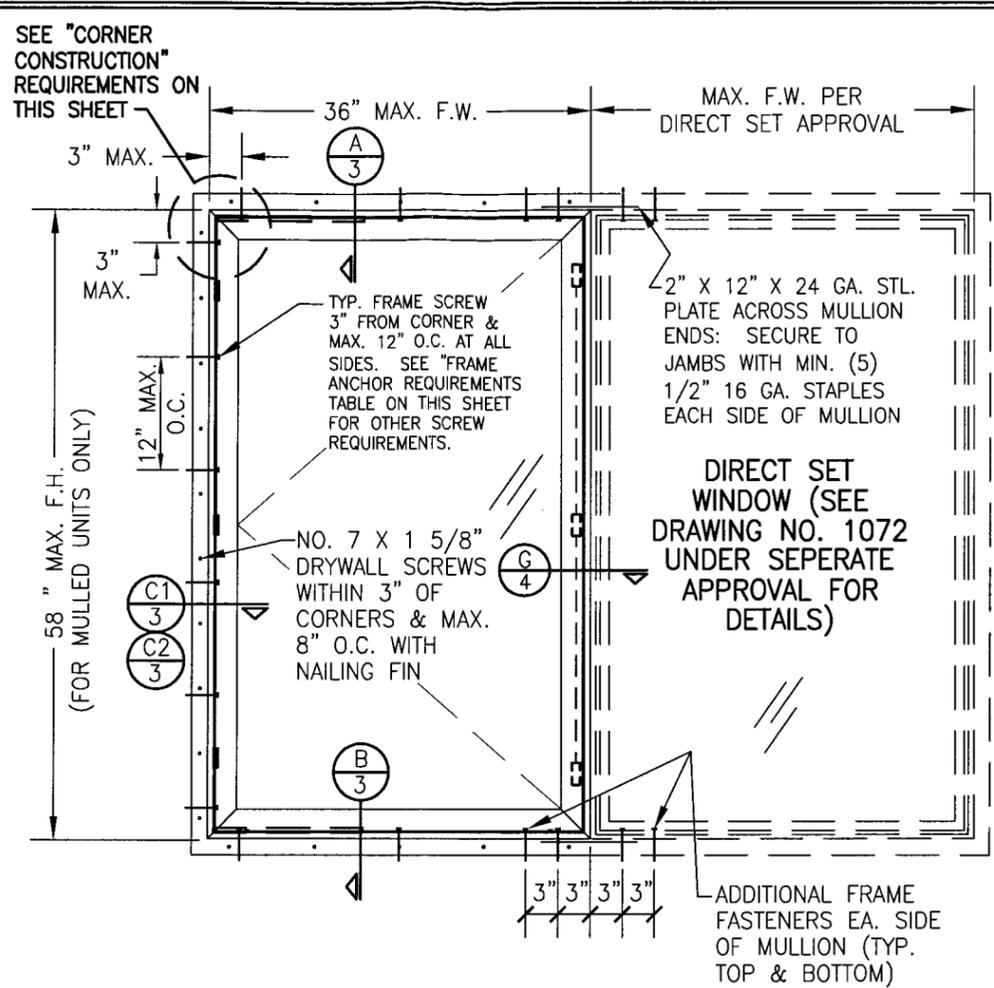
**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 07-1203.10  
 Expiration Date FEB. 13, 2013  
 By: *Manuel Perez*  
 Miami/Dade Product Control Division



**EXTERIOR ELEVATION**  
**MULTIPLE OPERABLE/FIXED CASEMENTS**  
 (MAX. FOUR WINDOWS MAY BE COMBINED)  
 (ANY COMBINATION)  
 SCALE: 3/4"=1'-0"  
 (FOR DETAIL NOT SHOWN SEE ELEVATIONS ON SHEET 1)

**ALLOWABLE PRESSURE**  
 = MAX. ± 60 PSF  
 AT OPERABLE TO FIXED  
 UNITS SHOWN ABOVE.

WHEN WINDOW WIDTHS ARE 32" OR LESS,  
 THE MULLION SPAN (WINDOW HEIGHT) MAY  
 BE INCREASED TO 72" AND THE ALLOWABLE  
 PRESSURE MAY BE INCREASED TO +60/-75  
 PSF. (OPERABLE TO FIXED CASEMENT ONLY)



**EXTERIOR ELEVATION**  
**MULTIPLE OPERABLE CASEMENTS/DIRECT SET WINDOWS**  
 (MAX. FOUR WINDOWS MAY BE COMBINED)  
 (ANY COMBINATION)  
 SCALE: 3/4"=1'-0"  
 (FOR DETAIL NOT SHOWN SEE ELEVATIONS ON SHEET 1)

**ALLOWABLE PRESSURE**  
 = MAX. ± 60 PSF  
 AT OPERABLE TO DIRECT  
 SET UNITS SHOWN.

**SASH CORNER CONSTRUCTION**

AT EACH CORNER THE WOOD SASH MEMBERS ARE COPED, SEALED WITH GE 2801 SILGLAZE THEN BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE (1) F16 X 1 3/4" FINISH NAIL.

AT EACH CORNER THE ALUMINUM SASH CLADDING MEMBERS ARE MITER CUT, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING TWO (2) NO. 6 X 1 1/4" PILOT POINT SCREWS. THE SASH CLAD CORNERS ARE REINFORCED WITH AN INSERTED ZINC DIE CAST CORNER KEY.

**FRAME CORNER CONSTRUCTION**

AT EACH CORNER THE WOOD FRAME MEMBERS ARE COPED, SEALED WITH GE 2801 SILGLAZE THEN BUTTED TOGETHER AND MECHANICALLY FASTENED USING THREE (3) 1/2" X 1 1/2" LONG 16 GA. GALVANIZED STEEL STAPLES.

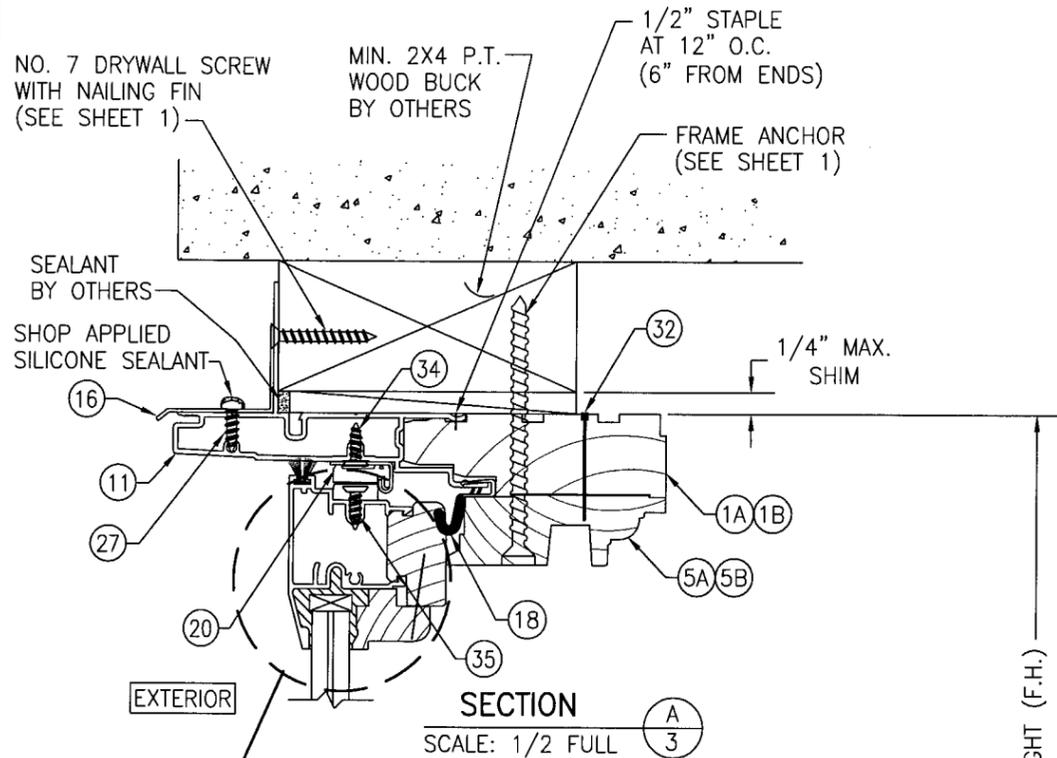
AT EACH CORNER THE ALUMINUM FRAME CLADDING MEMBERS ARE MITER CUT, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE (1) NO. 7 X 3/8" FH UNDERCUT FASTENER. THE FRAME CLAD CORNERS ARE REINFORCED WITH AN INSERTED GLASS FILLED CORNER KEY. A PSA1 CLOSED CELL FOAM CORNER GASKET IS APPLIED AT EACH FRAME CORNER SEALING THE JOINT BETWEEN ADJOINING MEMBERS.

ALLOWABLE WINDOW PRESSURE (SINGLE WINDOWS)					
HEIGHT (IN.)	WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)			
		GLASS OPTION 1		GLASS OPTION 2, 3 & 4	
		POS	NEG	POS	NEG
48 OR LESS	28 OR LESS	60.0	85.0	60.0	85.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
52	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
56	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
58	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	70.2	60.0	75.0
60	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
64	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
68	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
72	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0

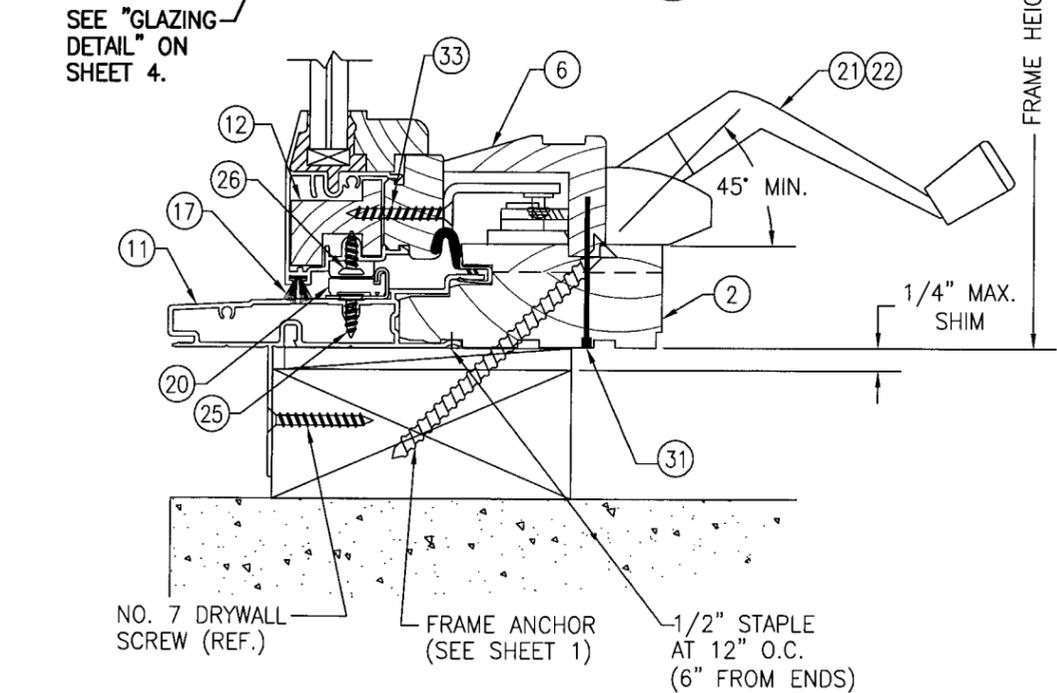
GLASS OPTION 1 = 3/8" CARDINAL SEASTORM LAMINATED ANNEALED GLASS (5/32" PANES)  
 GLASS OPTION 2 = 7/16" SOLUTIA KEEPSAFE MAX. LAMINATED HEAT STRENGTHENED (3/16" PANES)  
 GLASS OPTION 3 = 7/16" SOLUTIA KEEPSAFE MAX. LAMINATED ANNEALED (3/16" PANES)  
 GLASS OPTION 3 = 3/8" GLOBE P380 LAMINATED CHEM TEM GLASS (1/8" PANES)

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: i=16	DATE: 04/04/02
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b>	
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	<b>FEB 07 2008</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1070</b>	REV. <b>A</b>
SHEET NO. <b>2</b> OF <b>5</b>	

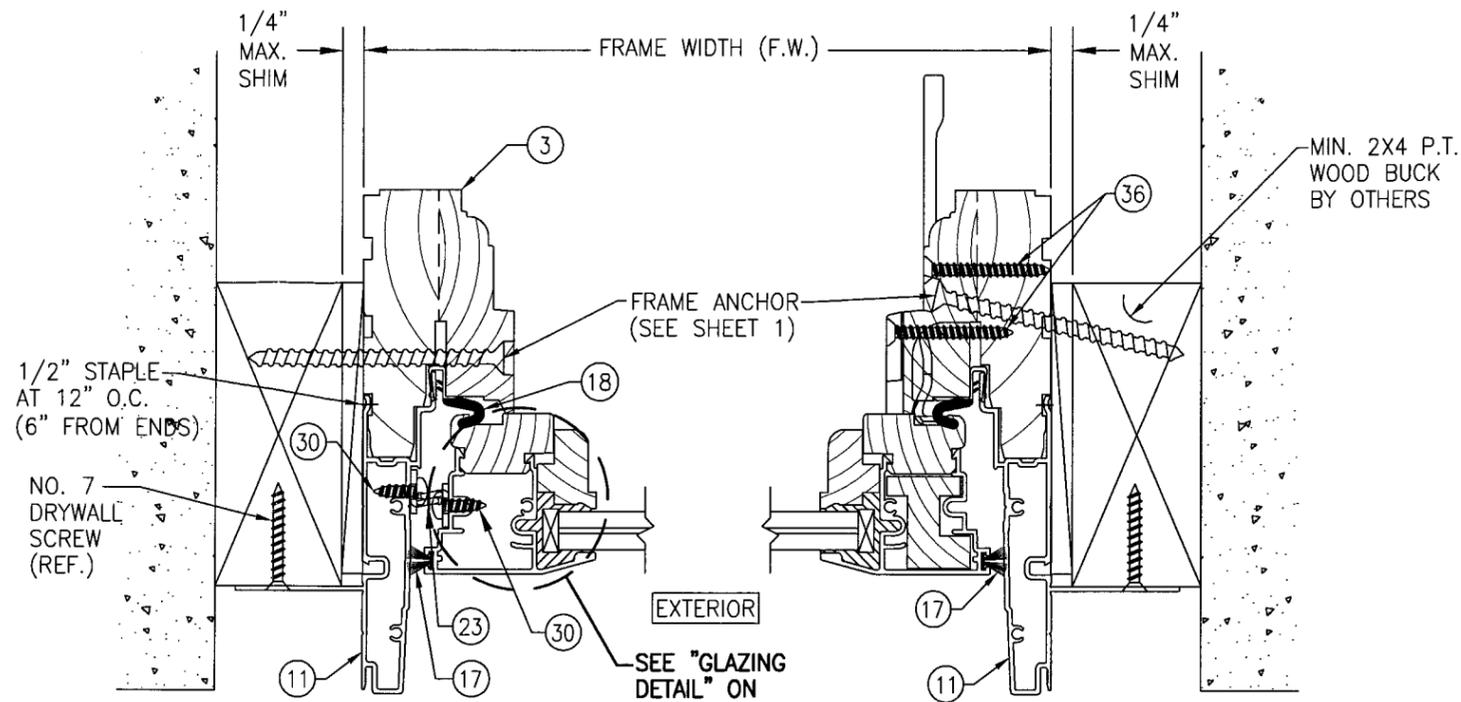
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No **07-1203-10**  
 Expiration Date **FEB. 13, 2013**  
 By *Manuel Perez*  
 Miami/Dade Product Control  
 Division



SECTION A  
SCALE: 1/2 FULL

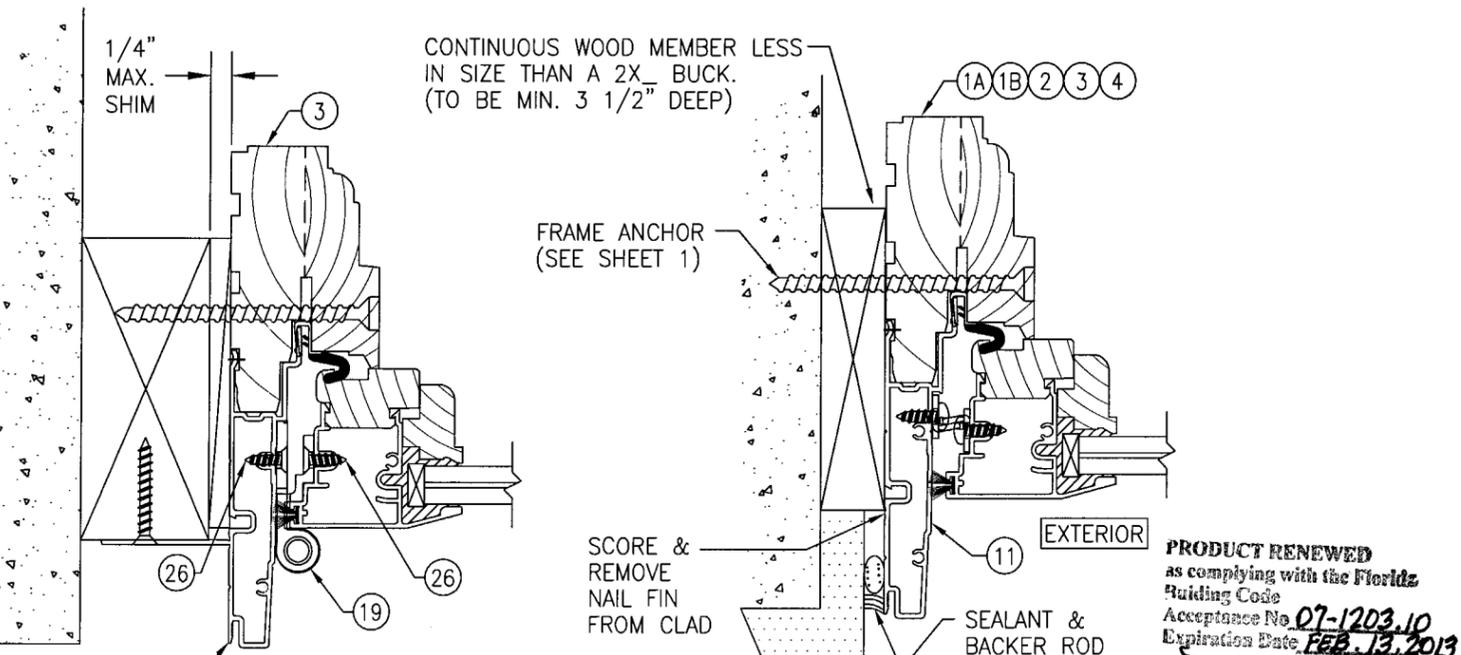


SECTION B  
SCALE: 1/2 FULL



SECTION C1  
SCALE: 1/2 FULL  
(SNUBBER INSTALLATION)

TYP. AT RECTANGULAR WINDOWS ONLY!



SECTION C2  
SCALE: 1/2 FULL  
(BUTT HINGE INSTALLATION)

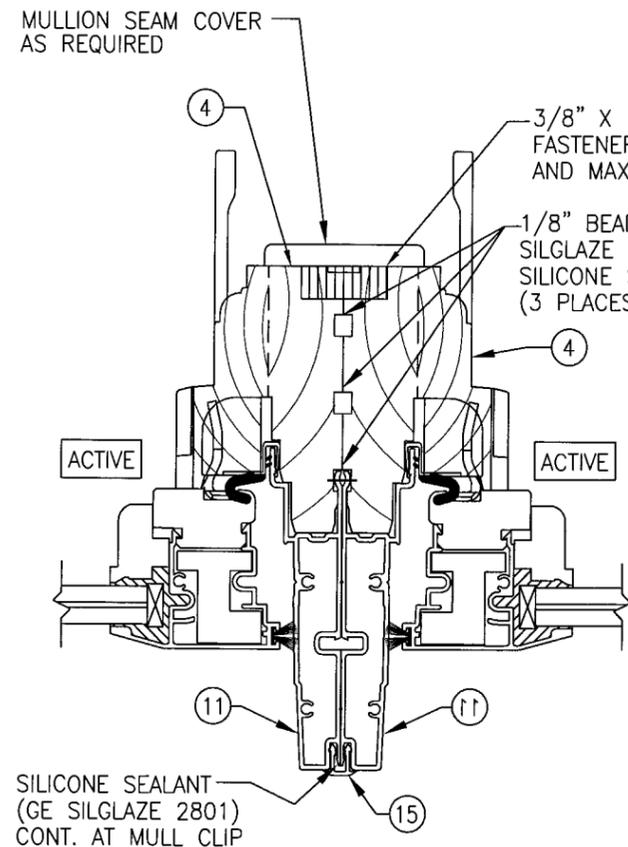
(SEE SECTION "C1" FOR DETAIL NOT SHOWN)  
NOTE: BUTT HINGE MAY BE USED WITH EITHER SHAPED TOP OR RECTANGULAR WINDOWS.

OPTIONAL DIRECT MOUNT DETAIL  
(SIDE JAMB SHOWN; OTHERS SIMILAR)

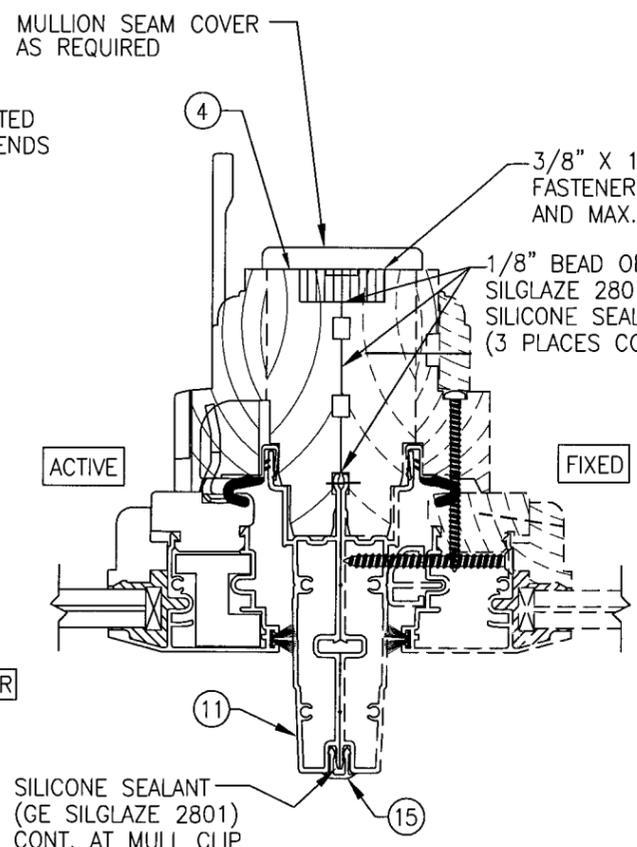
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/04/02	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING 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 WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION FEB 07 2008 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1070		REV. A	
SHEET NO. 3 OF 5			

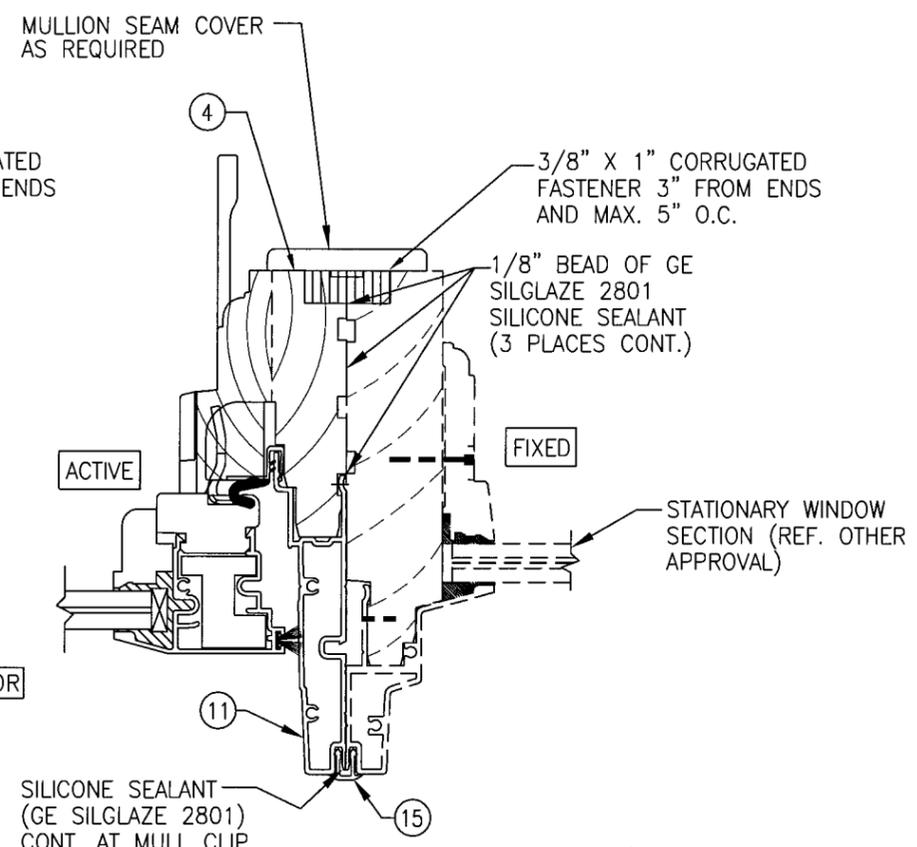
PRODUCT RENEWED  
as complying with the Florida  
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Expiration Date FEB. 13, 2013  
By *Manuel Perez*  
Miami/Dade Product Control  
Division



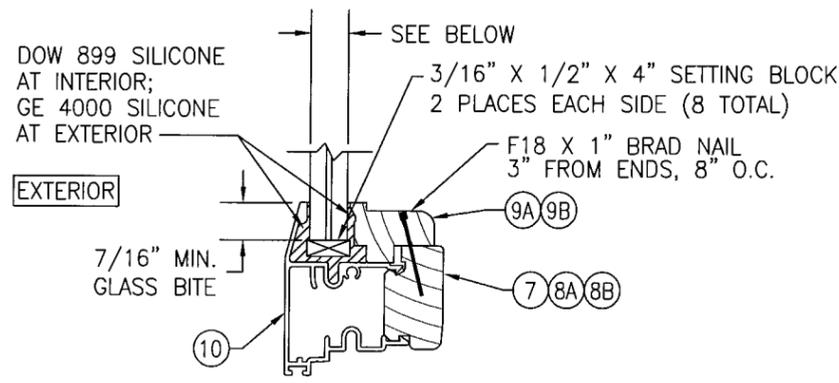
SECTION E  
SCALE: 1/2 FULL  
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)



SECTION F  
SCALE: 1/2 FULL  
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)



SECTION G  
SCALE: 1/2 FULL  
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)

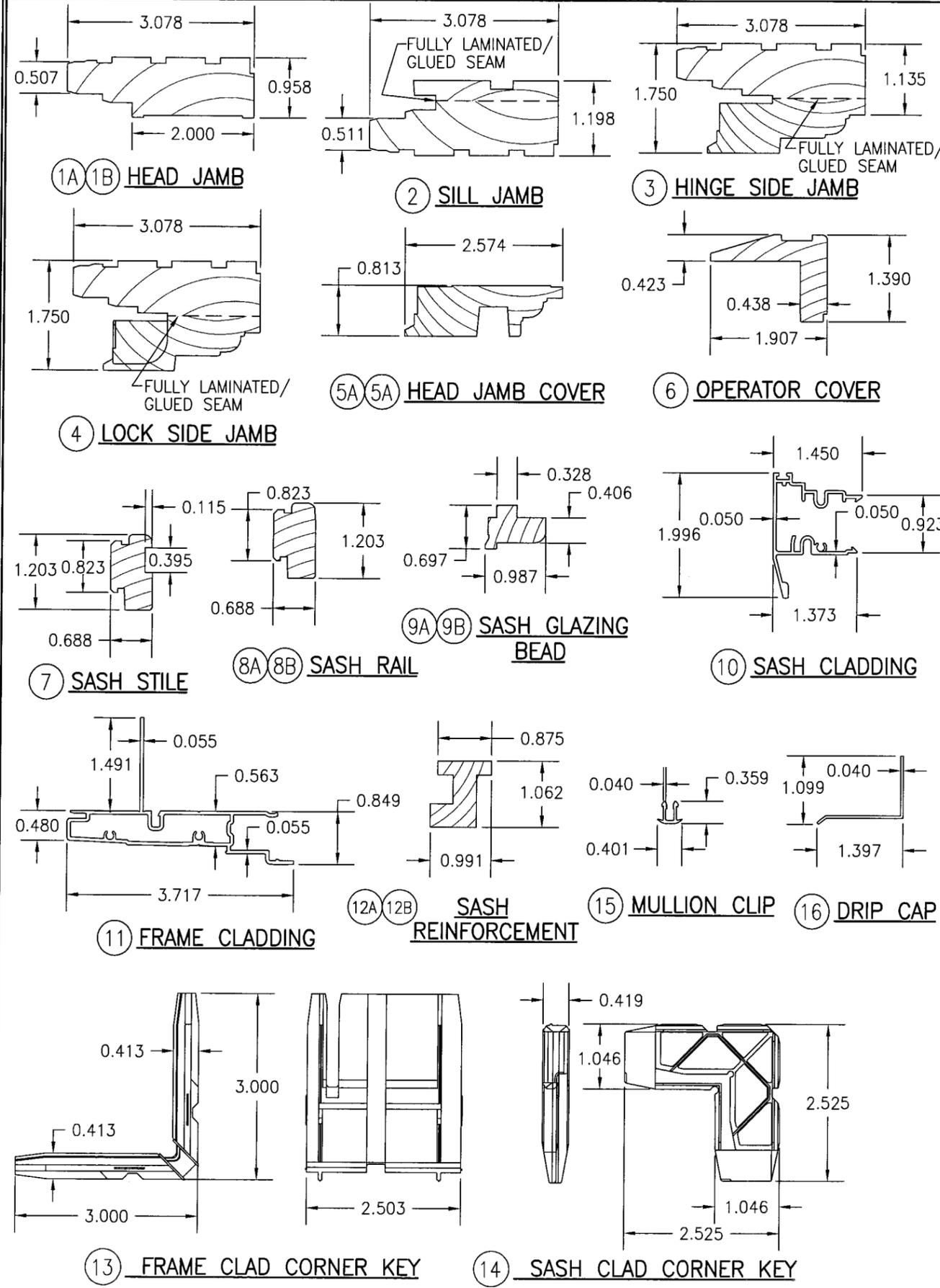


**GLAZING DETAIL**

- OPTION 1) 3/8" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (5/32" AN/0.045 PVB/0.007 PET/0.045 PVB/5/32" AN)  
OPTIONAL INNER LAYER MAY BE 0.075 PVB/0.007 PET/0.015 PVB.
- OPTION 2) 7/16" SOLUTIA SAFLEX KEEPSAVE MAXIMUM LAMINATED GLASS (3/16" H.S./0.09 PVB/ 3/16" H.S.)
- OPTION 3) 7/16" SOLUTIA SAFLEX KEEPSAVE MAXIMUM LAMINATED GLASS (3/16" AN./0.09 PVB/ 3/16" AN.)
- OPTION 4) 3/8" THICK OVERALL GLOBE AMERADA P380 LAMINATED GLASS (1/8" CHEM. TEM./ 0.035" URETHANE/ 1/16" POLYCARBONATE/ 0.035" URETHANE/ 1/8" CHEM TEM)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. **07-1203.10**  
Expiration Date **FEB. 13, 2013**  
*Manned Press*  
Miami Window Products Company  
Division

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/04/02	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION	<p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>		
DRAWING NO.	REV.	SHEET NO.	
1070	A	4 OF 5	



ITEM #	DRAWING #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	09-0060-M01	HEAD JAMB (STRAIGHT MEMBER)	* WOOD
1B	09-0060-M01	HEAD JAMB (RADIAL MEMBER)	LVL
2	09-0048-M01	SILL JAMB	* WOOD
3	09-0025-M01	HINGE SIDE JAMB	* WOOD
4	37-0005-M01	LOCK SIDE JAMB	* WOOD
5A	09-0069-M01	HEAD JAMB LINEAL STOP	* WOOD
5B	09-0069-M01	HEAD JAMB RADIAL STOP	LVL
6	09-0037-M01	OPERATOR COVER	* WOOD
7	12-0251-M01	SASH STILE	* WOOD
8A	12-0250-M01	LINEAL SASH RAIL	* WOOD
8B	12-0250-M01	RADIAL SASH RAIL	LVL
9A	09-0190-M01	LINEAL SASH GLAZING BEAD	* WOOD
9B	09-0190-M01	RADIAL SASH GLAZING BEAD	LVL
10	04-0012-M01	SASH CLADDING	6063-T5 ALUMINUM
11	04-0016-M01	FRAME CLADDING	6063-T5 ALUMINUM
12A	09-0180-M01	LINEAL SASH HEAD & SILL REINF.	* WOOD
12B	09-0180-M01	RADIAL SASH HEAD & SILL REINF.	LVL
13	12-0020-M	FRAME CLAD CORNER KEY	GLASS REINFORCED NYLON
14	12-0025-M	SASH CLAD CORNER KEY	DIE CAST ZINC
15	04-0005-M051	MULLION CLIP	6063-T5 ALUMINUM
16	04-A2581	DRIP CAP	6063-T5 ALUMINUM
SEALS & SEALANTS			
17	12-0070-M01	SASH, PILE WEATHERSTRIP	-
18	12158	CASEMENT SEAL	AMESBURY GROUP, INC.
HARDWARE			
19	12-0080/12-0085	BUTT HINGE	TRUTH HARDWARE
20	12-0090-M01	10" SCISSOR HINGE WITH 5" ARM	ALL METAL
20	12-0093-M01	10" SCISSOR HINGE WITH 6.5" ARM	ALL METAL
20	12-0096-M01	14" ADJ. SCISSOR HINGE WITH 7.5" ARM	ALL METAL
21	12-0040-M01	SINGLE ARM OPERATOR	TRUTH HARDWARE
22	12-0040-M0166	DUAL ARM OPERATOR	TRUTH HARDWARE
23	12-0075-M01	SNUBBER	ALL METAL; S.S. OR C.R.S.
24	12-0030-M01	MULTI-POINT LOCK WITH KEEPERS	ROTO FRANK
FASTENERS			
25	-	NO. 7 X 5/8" FH S.M.S.	4 PER HINGE INTO FRAME CLAD
26	-	NO. 7 X 1/2" FH S.M.S.	3 PER HINGE INTO SASH CLAD
27	-	NO. 6 X 3/8" PH SMS	3" FROM ENDS & AT 3RD PTS
28	-	NO. 7 X 1 1/4" DRYWALL SCREW	AS REQUIRED FOR OPERATOR TRACK
29	-	NO. 8 X 1 1/2" FH S.M.S.	2 PER KEEPER
30	-	NO. 8 X 1/2" PH S.M.S.	2 PER SNUBBER
31	-	1/2" X 1 7/8" 16 GA. STAPLE GALVANIZED STEEL	AS REQUIRED TO HOLD COVER IN PLACE
32	-	1 1/8" X 0.080 DIA. RING SHANK NAIL	2" FROM ENDS & 8" O.C.

\* WOOD USED WITH TEST UNITS WAS PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 07-1203-10  
 Expiration Date FEB. 13, 2013

By *Manuel Perez*  
 Miami/Dade Product Control Division

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SHEET NO. 5	OF 5