



**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)**

**Weather Shield Windows & Doors  
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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "Legacy" Aluminum Clad Wood Direct Set Window**

**APPROVAL DOCUMENT:** Drawing No. **1072**, titled "Legacy Aluminum Clad Wood Direct Set Impact Window", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 3/21/02, signed and sealed by Warren 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 as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime Eisen, P.E.**



**NOA No 02-1018.09  
Expiration Date: February 13, 2008  
Approval Date: February 13, 2003  
Page 1**

**Weather Shield Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1072**, titled "Legacy Aluminum Clad Wood Direct Set Impact Window", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 3/21/02, signed and sealed by Warren Schaefer, P.E.

**B. TESTS**

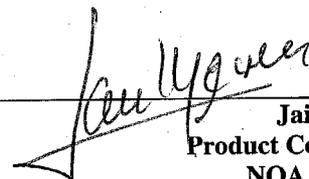
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Water Resistance Test, per FBC, TAS 202-94  
3) Large Missile Impact Test per FBC, TAS 201-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0111-02**, dated 1/8/02, 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  
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 0037-0411-01**, dated 4/10/02, 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) 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 with mullion, 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.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 3/13/02, signed and sealed by Warren Schaefer, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.



Jaime Eisen, P.E.  
Product Control Division  
NOA No 02-1018.09

Expiration Date: February 13, 2008

Approval Date: February 13, 2003

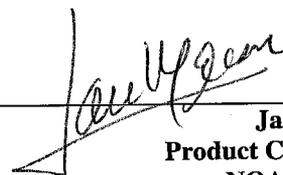
**Weather Shield Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

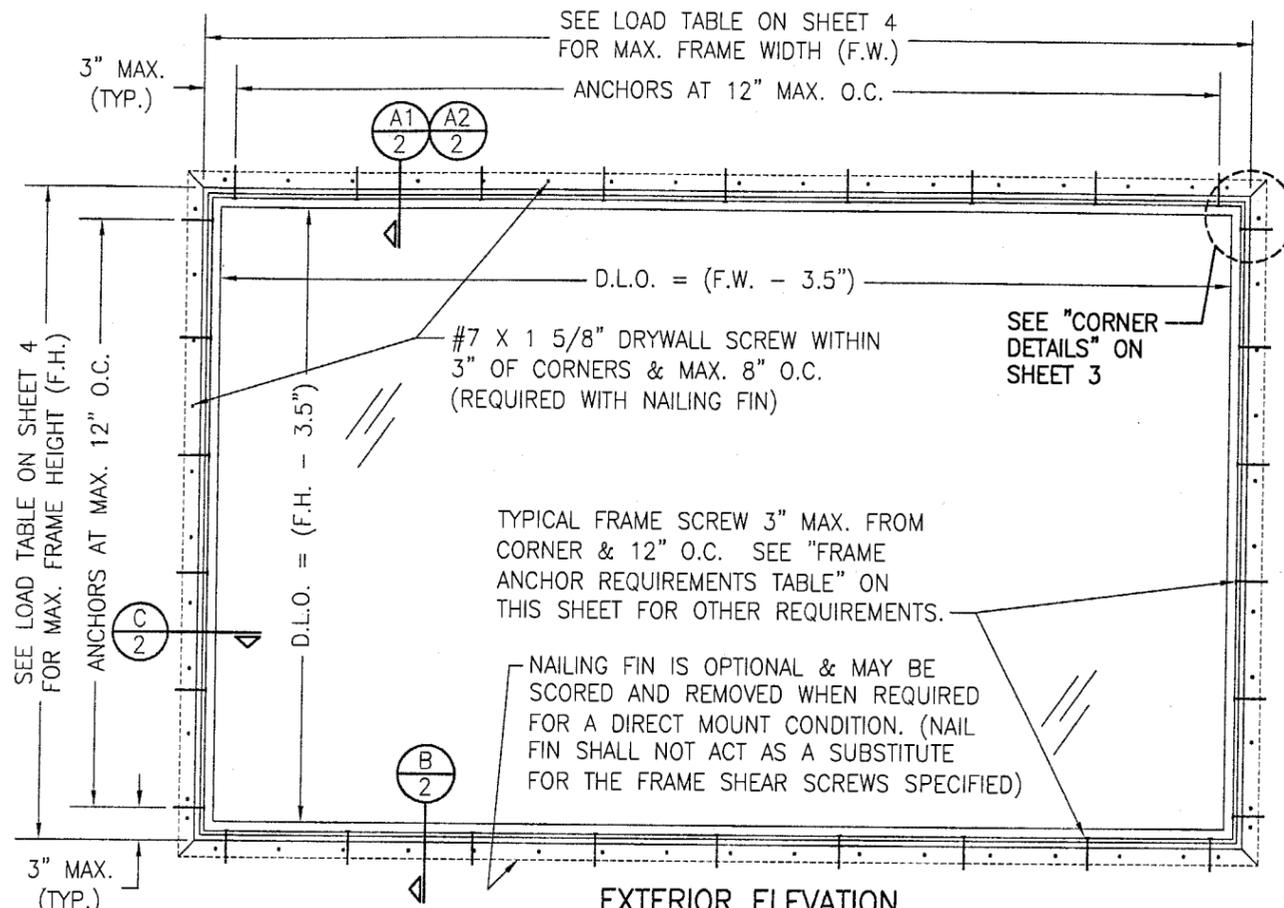
**E. STATEMENTS**

2. Statement letter of no financial interest, dated 4/4/02, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no **HTL 0037-0411-01** and **HTL 0037-0111-02**, issued by Hurricane Test Laboratory, dated 7/05/02, signed and sealed by Vinu J. Abraham, P.E.
4. Laboratory compliance letter for Test Report no. **HTL 0037-0412-01**, issued by Hurricane Test Laboratory, dated 7/15/02, signed and sealed by Vinu J. Abraham, P.E.

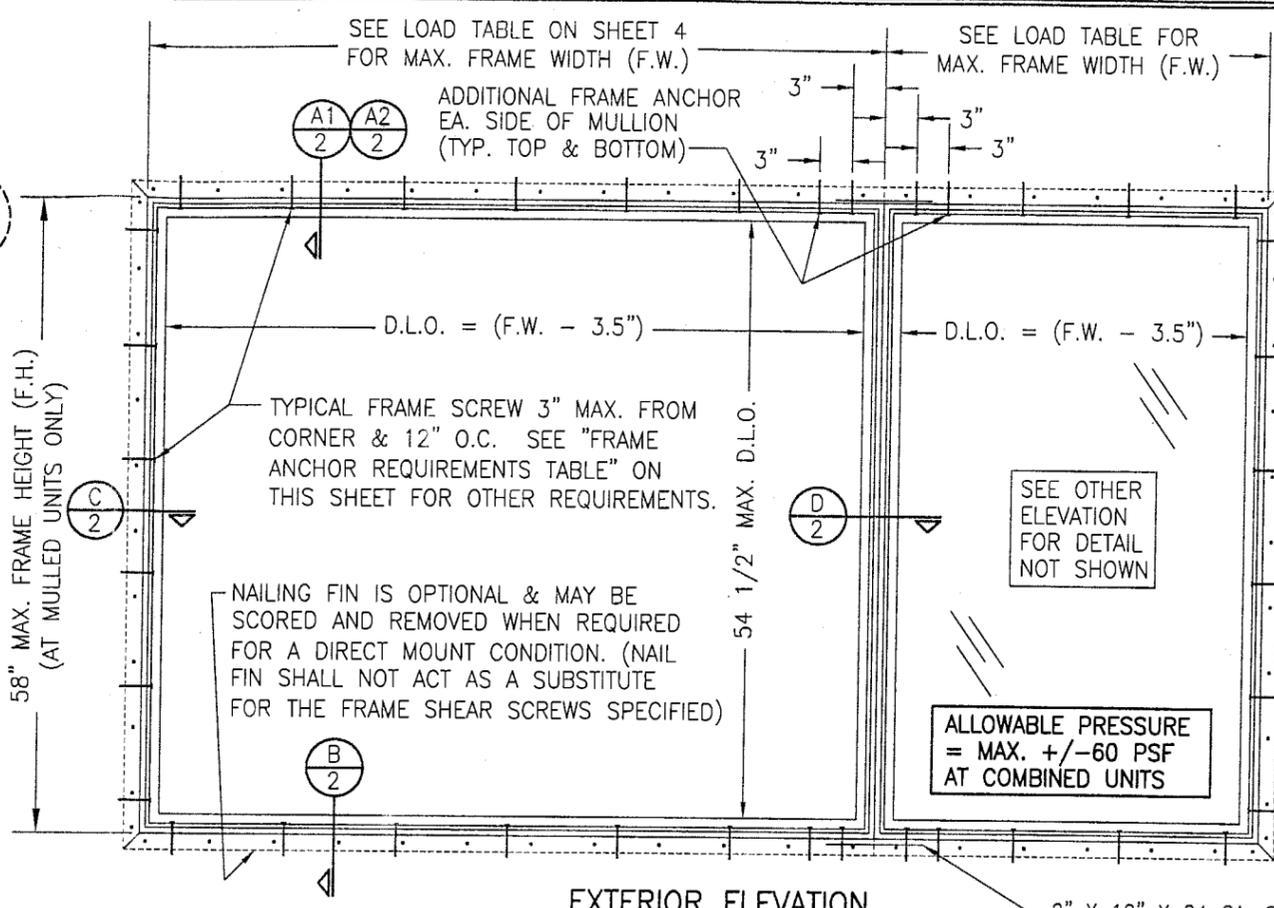


**Jaime Eisen, P.E.**  
**Product Control Division**  
**NOA No 02-1018.09**

**Expiration Date: February 13, 2008**  
**Approval Date: February 13, 2003**



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



**EXTERIOR ELEVATION  
MULTIPLE DIRECT SET WINDOWS  
(MAX. FOUR UNITS MAY BE COMBINED)**  
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.
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 STATE 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).
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.

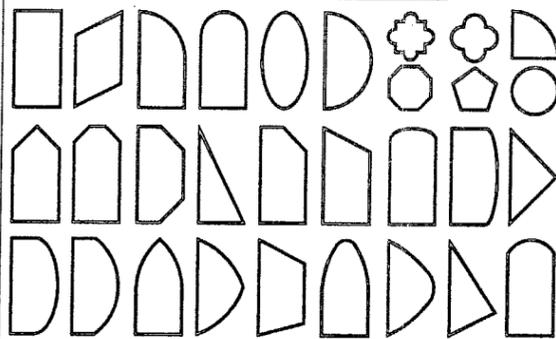
**FRAME ANCHOR REQUIREMENTS TABLE**

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. 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 "FRAME ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

**APPROVED SHAPES**



**NOTES:**

1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION PER CORNER DETAILS.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.
3. SHAPED WINDOWS ARE INSTALLED THE SAME AS THE RECTANGULAR WINDOWS SHOWN IN ELEVATION. SEE SECTIONS & CORNER DETAILS FOR DETAIL SPECIFIC TO SHAPED WINDOWS.

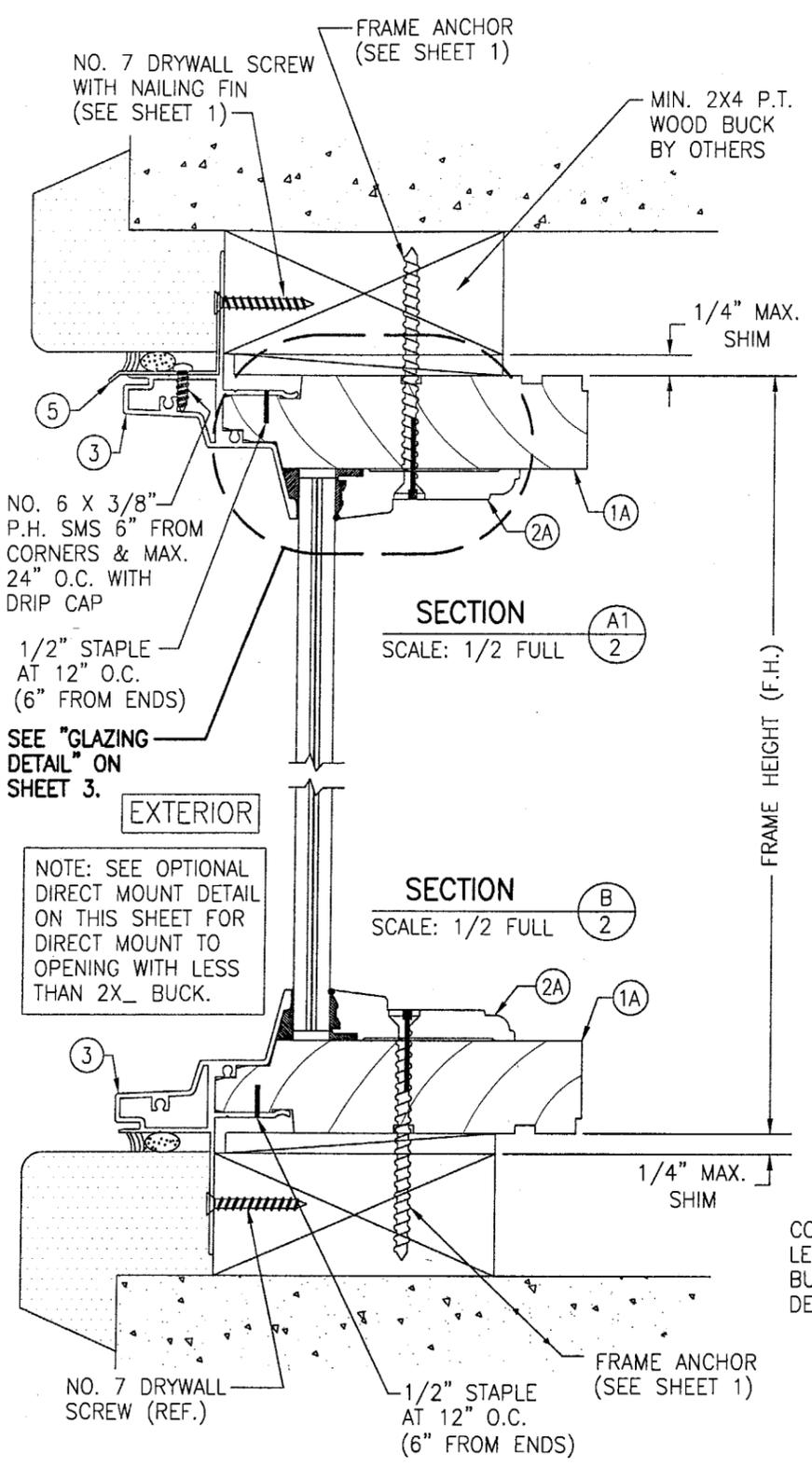
**MULTIPLE UNIT NOTES:**

1. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR +/-60 PSF UNLESS A CLIPPED MULLION IS USED PER WEATHER SHIELD'S MULLION APPROVAL.
2. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.
3. INDIVIDUAL WINDOW SIZE IS RESTRICTED ONLY BY MULLION HEIGHT OF 58".

FOR ALLOWABLE DESIGN WIND PRESSURE ON SINGLE WINDOWS, SEE LOAD TABLE ON SHEET 4.

Approved as complying with the Florida Building Code  
Date 02/13/03  
NOA# 02-1018-09  
Miami Dade Product Control  
Division  
By *[Signature]*

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 03/15/02
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW	
CONSULTANTS W. & SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CERTIFICATION JAN 02 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1072	REV.
SHEET NO. 1	OF 4

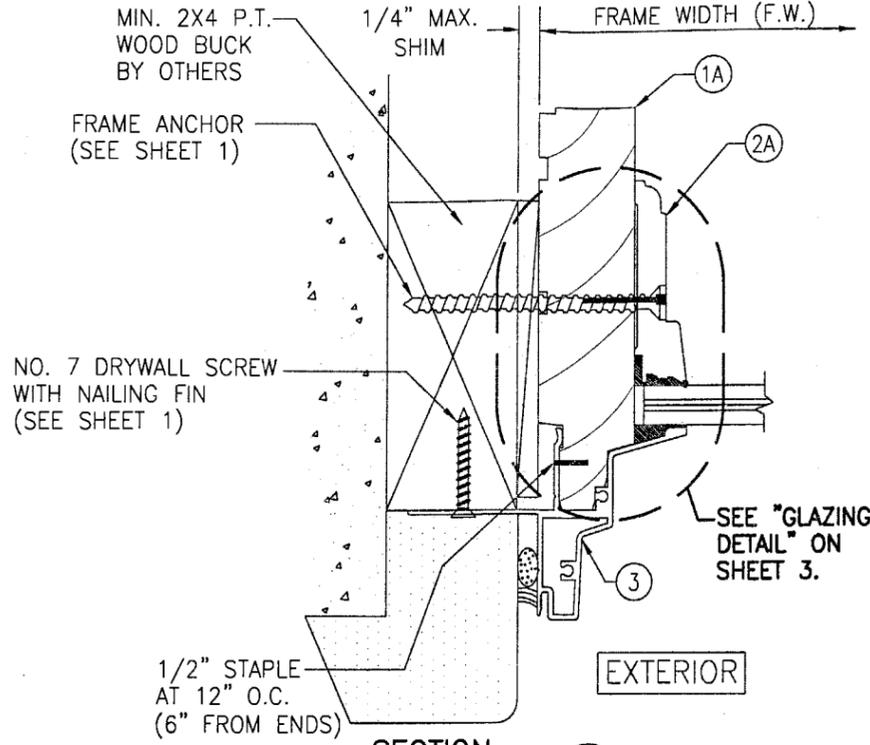
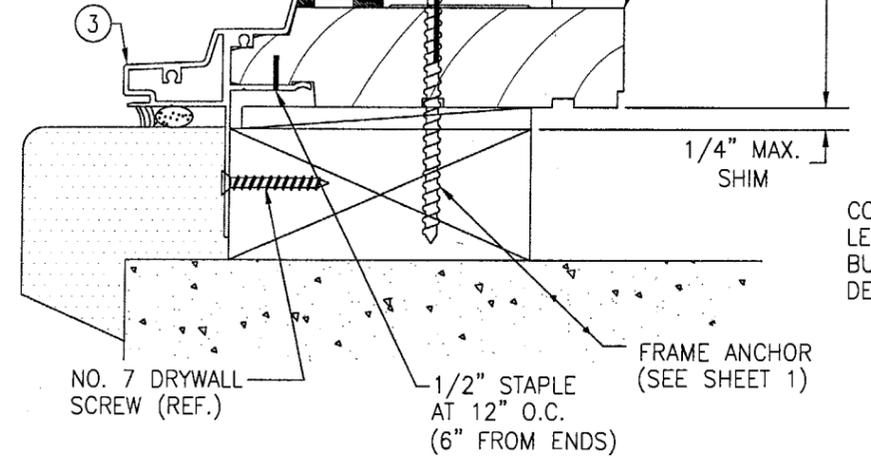


SECTION A1  
SCALE: 1/2 FULL

EXTERIOR

NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING WITH LESS THAN 2X<sub>4</sub> BUCK.

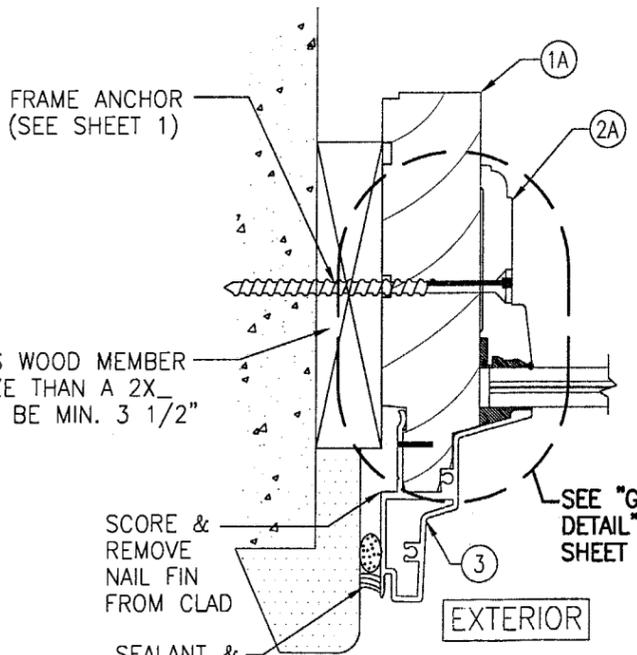
SECTION B  
SCALE: 1/2 FULL



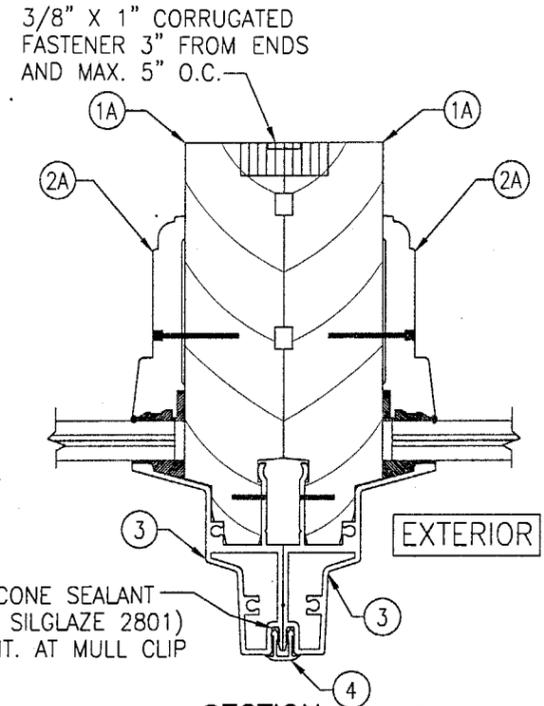
SECTION C  
SCALE: 1/2 FULL

EXTERIOR

NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING WITH LESS THAN 2X<sub>4</sub> BUCK



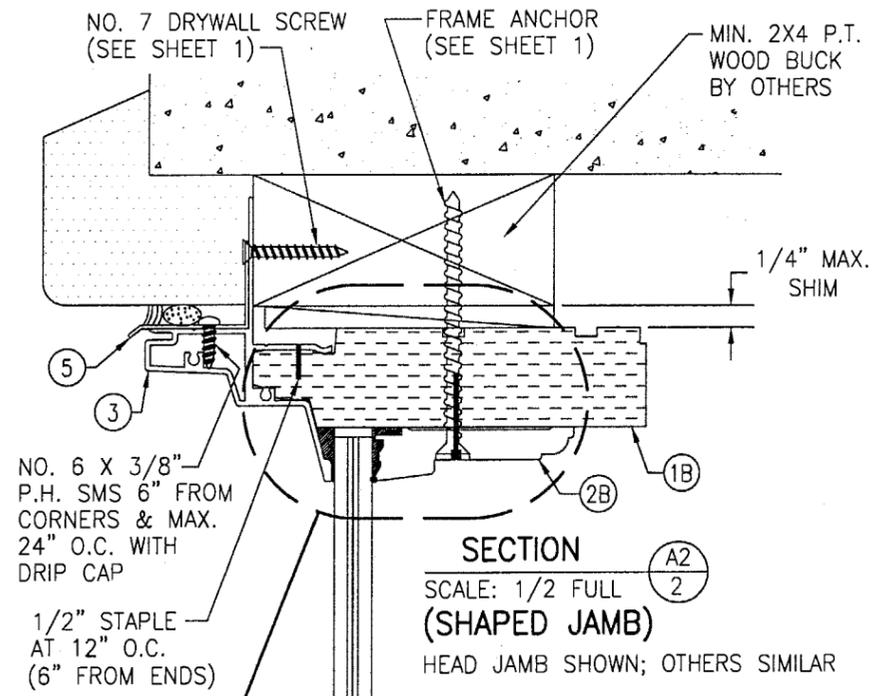
OPTIONAL DIRECT MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



SECTION D  
SCALE: 1/2 FULL

EXTERIOR

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

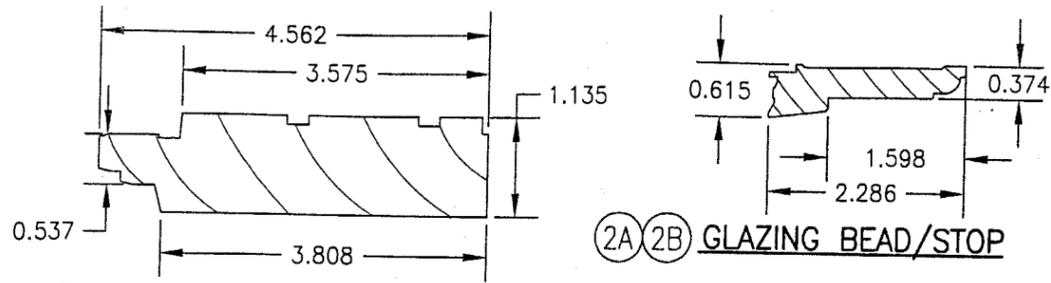


SECTION A2  
SCALE: 1/2 FULL

(SHAPED JAMB)  
HEAD JAMB SHOWN; OTHERS SIMILAR

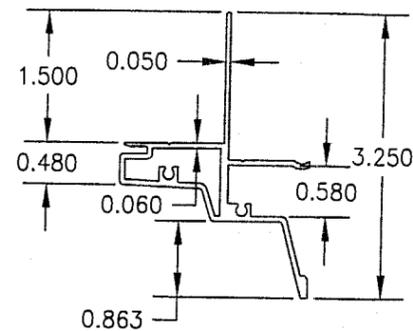
Approved as complying with the Florida Building Code  
Date 02/13/03  
NOAH 02-1018.09  
Miami Dade Product Control Division  
By *[Signature]*

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/15/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: JAN 02 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1072	REV.		
SHEET NO. 2	OF	4	

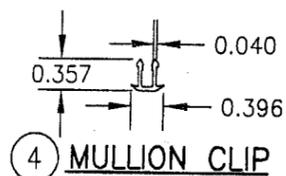


1A 1B HEAD, SILL & SIDE JAMB

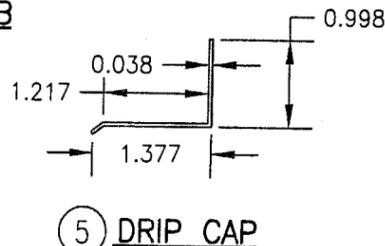
2A 2B GLAZING BEAD/STOP



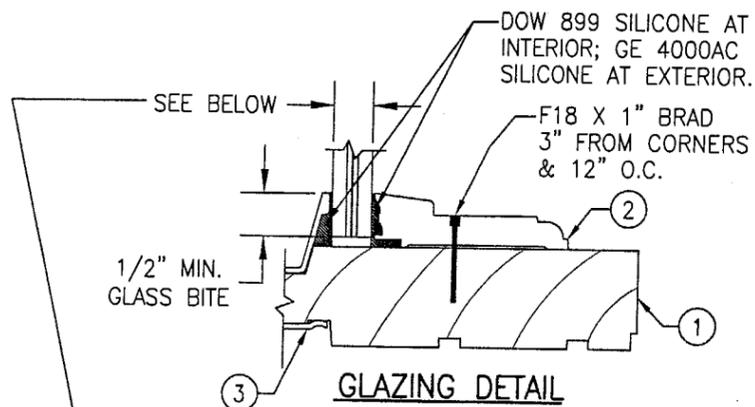
3 JAMB CLAD (LEGACY)



4 MULLION CLIP



5 DRIP CAP

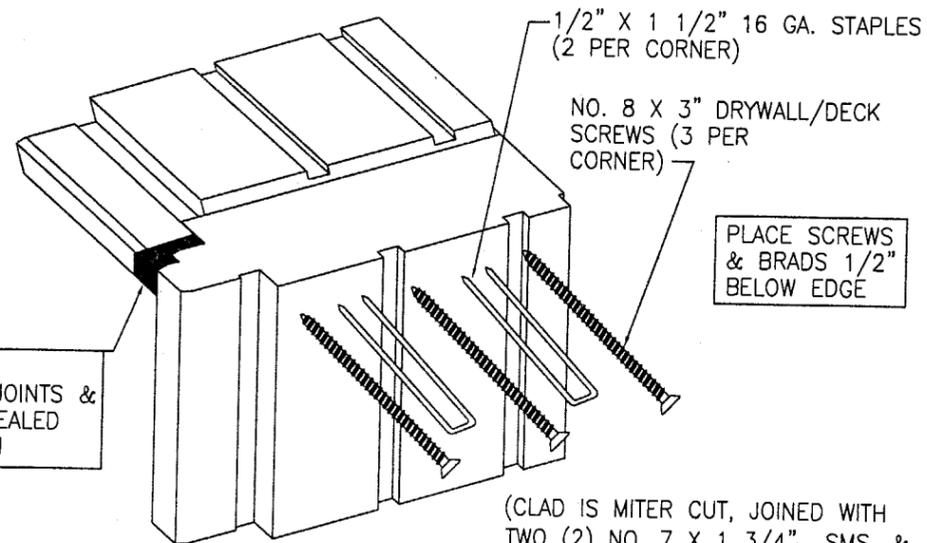


GLAZING DETAIL

- OPTION 1) 9/16" DUPONT SGP LAMINATED GLASS (1/4" H.S./0.090" SGP/1/4" H.S.)
- OPTION 2) 9/16" SOLUTIA SAFLEX HP LAMINATED GLASS (1/4" H.S./0.10 SAFLEX HP/ 1/4" H.S.)
- OPTION 3) 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)

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1A	W-4000X	4	HEAD, SILL & SIDE JAMB	* WOOD	WEATHER SHIELD
1B	W-4000X	4	HEAD, SILL & SIDE JAMB	* LVL	WEATHER SHIELD
2A	W-4001X	4	GLAZING BEAD/STOP	* WOOD	WEATHER SHIELD
2B	W-4001X	4	GLAZING BEAD/STOP	* LVL	WEATHER SHIELD
3	A-4508X	4	JAMB CLAD (LEGACY)	6063-T5 ALUMINUM	WEATHER SHIELD
4	A-1609X	1	LEGACY MULLION CAP	6063-T5 ALUMINUM	WEATHER SHIELD
5	A-2581X	1	DRIP CAP (OPTIONAL)	6063-T5 ALUMINUM	WEATHER SHIELD

\* 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.



FRAME CORNER DETAIL

RECTANGULAR WINDOW CORNER SHOWN. SHAPED TO STRAIGHT JAMB CORNER IS THE SAME. EXTENDED LEG JAMBS ARE CONTINUOUS AND HAVE NO SEAM AT THE SPRINGLINE EXCEPT FOR A SPLICE IN THE GLAZING STOP.

SEALANT:  
ALL FRAME CORNERS, JOINTS &  
EXTERIOR MULLION CLIP SEALED  
WITH GE SILGLAZE 2801

PLACE SCREWS  
& BRADS 1/2"  
BELOW EDGE

(CLAD IS MITER CUT, JOINED WITH  
TWO (2) NO. 7 X 1 3/4" SMS. &  
SEALED WITH A PSA1 CLOSED CELL  
FOAM CORNER GASKET)

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	PLOT: 1-2	DATE: 03/15/02
REVISION DESCRIPTION			
NO.			
DRAWING TITLE LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW			
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION JAN 02 2003 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1072		REV.	
SHEET NO. 3 OF 4			

Approved as complying with the  
Florida Building Code  
Date 02/13/03  
NOA# 02-1018.09  
Miami Dade Product Control  
Division  
By *[Signature]*

3/8" GLOBE P-380 LAMINATED CHEM TEM GLASS (1/4" GLASS) (GLAZING OPTION 3)																										
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (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.		
30"	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	78.1	60.0	75.7	60.0	73.6	60.0	71.9	60.0	71.1	60.0	70.3	60.0	69.1	60.0	66.8	60.0	64.9
36"	60.0	80.0	60.0	75.1	60.0	67.8	60.0	61.9	57.7	57.7	54.5	54.5	52.2	52.2	49.8	49.8	48.8	48.8	47.9	47.9	46.6	46.6	44.7	44.7	43.3	43.3
42"	60.0	80.0	60.0	80.0	60.0	72.7	60.0	66.3	59.6	59.6	45.0	45.0	41.4	41.4	38.9	38.9	37.9	37.9	37.1	37.1	35.9	35.9	33.3	33.3	31.4	31.4
48"	60.0	80.0	60.0	76.5	60.0	69.3	60.0	62.9	55.9	55.9	51.4	51.4	46.5	46.5	36.0	36.0	34.5	34.5	33.0	33.0	30.9	30.9	28.0	28.0		
54"	60.0	78.7	60.0	71.6	60.0	66.4	59.9	59.9	54.5	54.5	49.9	49.9	45.8	45.8	42.2	42.2	40.4	40.4	38.5	38.5	30.1	30.1				
60"			60.0	67.5	60.0	61.7	56.5	56.5	52.4	52.4	48.2	48.2	44.9	44.9	41.5	41.5	39.8	39.8								
66"					57.5	57.5	53.2	53.2	49.6	49.6	46.2	46.2	43.1	43.1												
72"							50.1	50.1	46.4	46.4																
(1) LONG DIMENSION	54"	60"	66"	72"	78"	84"	90"	96"	99"	102"	108"	120"	132													

9/16" LAMINATED HEAT STRENGTHENED GLASS (1/2" GLASS) (GLAZING OPTION 1 & 2)																										
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (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.		
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0		
54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0				
60"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0								
66"					55.0	68.8	55.0	68.8	55.0	68.8	55.0	68.8	55.0	68.8												
72"							50.4	63.0	50.4	63.0																
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	99"	102"	108"	120"	132														

**TABLE 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.

Approved as complying with the  
Florida Building Code  
Date 02/13/03  
NOAH 02-1018.09  
Miami Dade Product Control  
Division  
By *[Signature]*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/15/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>LEGACY ALUMINUM CLAD WOOD DIRECT SET IMPACT WINDOW</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 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 <b>JAN 02 2003</b> <i>[Signature]</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. <b>1072</b>
SHEET NO. <b>4 OF 4</b>	