



**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

**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 Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1071, titled "Legacy Aluminum Clad Wood Fixed Casement Impact Window", sheets 1 through 4 of 4, dated 03/21/02, with revision "B1" 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.

REVISION 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 # 05-0420.04** and 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 Pérez, P.E.**



NOA No. 07-1203.12
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. **1071**, titled "Legacy Aluminum Clad Wood Fixed Casement Impact Window", sheets 1 through 4 of 4, dated 03/21/02, with revision "B1" 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 aluminum clad wood casement picture window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTC-180-6892**, dated 12/07/04, signed and sealed by Thomas Allan Kolden, P.E.

(Submitted under previous NOA #05-0420.04)

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 aluminum clad wood casement picture 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 #05-0420.04)

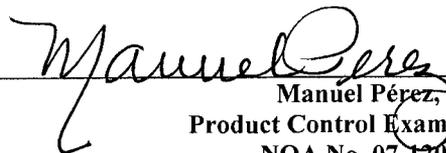
3. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of aluminum clad wood casement picture window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0037-0106-02**, dated 01/08/01, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under previous NOA #05-0420.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 02/07/08, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-02


Manuel Pérez, 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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

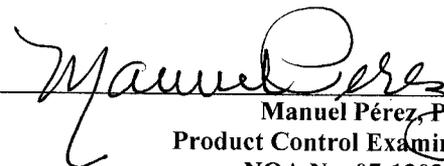
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont SentryGlas ® Plus**" dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their "**Saflex HP a polyvinyl butryal interlayer for lamination of glass**" dated 05/22/03, expiring on 04/14/08.
3. 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.

F. STATEMENTS

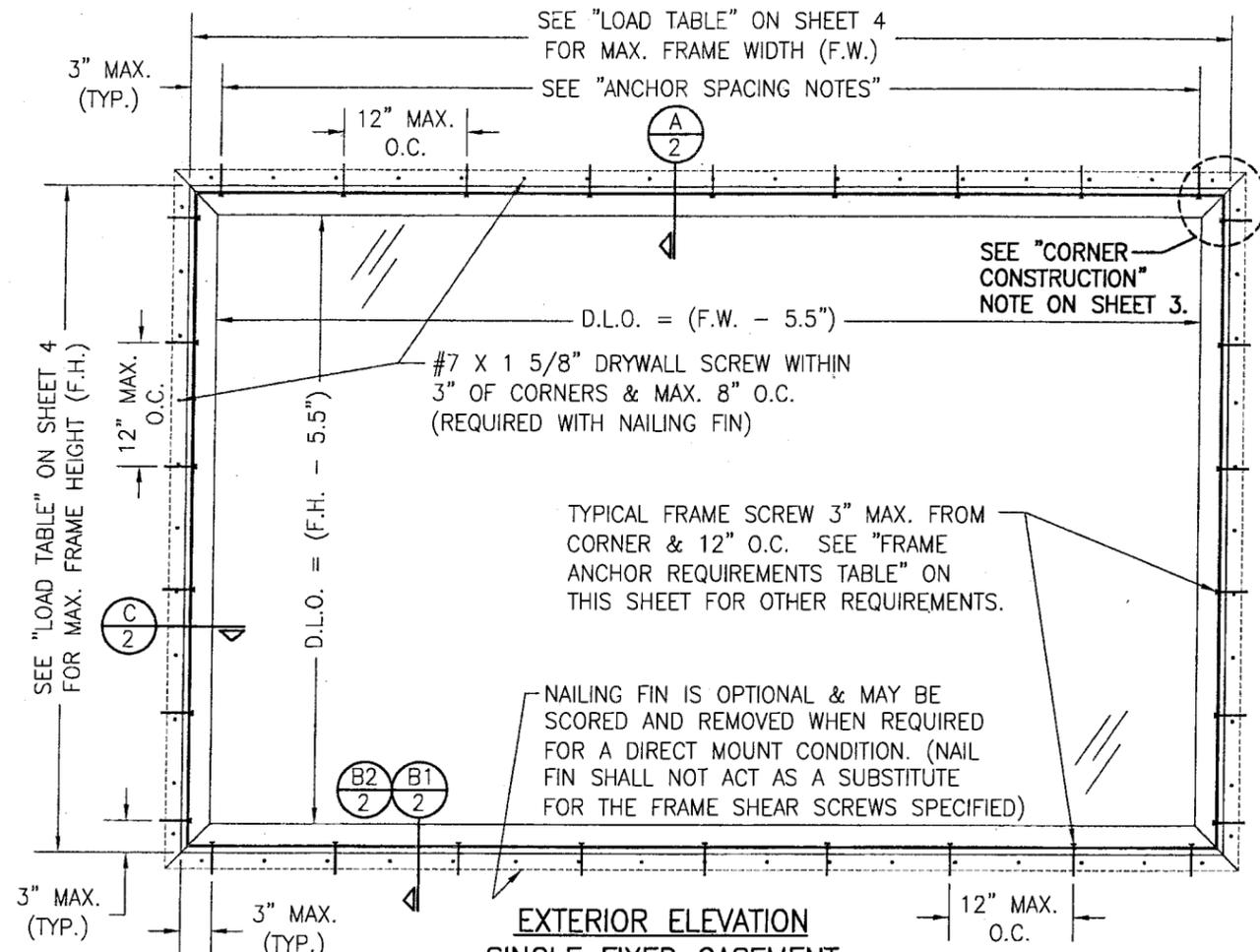
1. Statement letter of independence and no financial interest, dated 02/07/08, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of conformance, dated 02/07/08, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no. **HTL-0037-0205-01**, issued by Hurricane Test Laboratory, Inc., dated July 05, 2002, signed and sealed by Vinu J. Abraham, P.E.
4. Laboratory compliance letter for Test Report no. **HTL-0037-0106-02**, issued by Hurricane Test Laboratory, Inc., dated July 05, 2002, signed and sealed by Vinu J. Abraham, P.E.
5. Statement letter by Val Brushaber of Weather Shield MFG., Inc., dated 04/07/05, engineer Warren W. Schaefer, P.E. shall be the contact person for the file.

G. OTHER

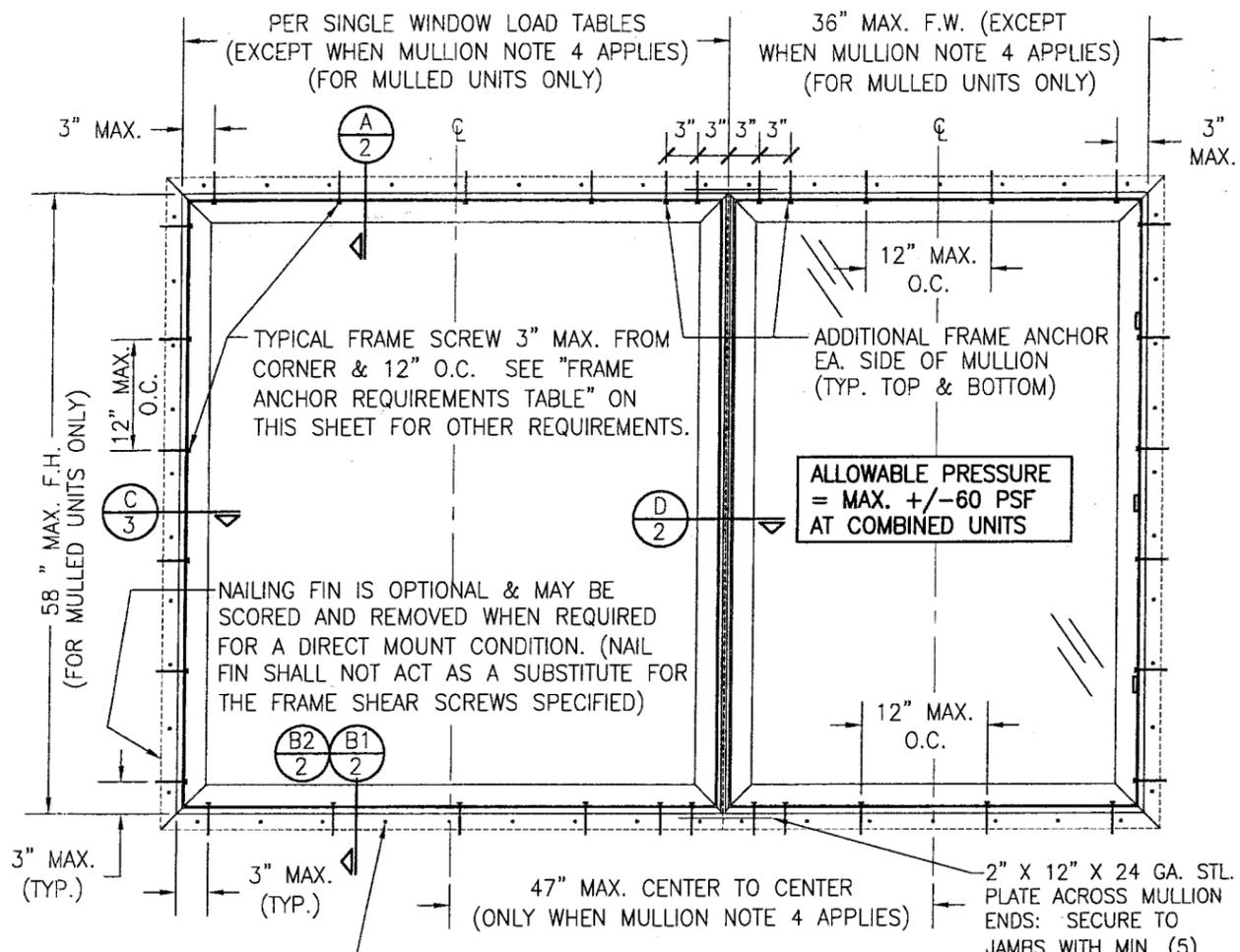
1. Notice of Acceptance No. **05-0420.04**, issued to Weather Shield Windows & Doors for their Series "Legacy Aluminum Clad Wood Fixed Window", approved on 06/16/05 and expiring on 02/13/08.


Manuel Pérez, P.E.
Product Control Examiner

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



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



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

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

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 & 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.

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 EMBD REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

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. WHEN BOTH 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.
3. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.
4. ONE OF THE TWO WINDOWS SUPPORTED BY THE MULLION MAY BE WIDER THAN 58" WHEN THE OPPOSITE WINDOW IS 36" WIDE OR LESS. WHEN BOTH WINDOWS ARE LESS THAN 58" WIDE, THE CENTER LINE TO CENTERLINE DIMENSION RESTRICTION OF 47" SHOWN SHALL APPLY & THEREBY RESTRICT THE WIDTH OF BOTH WINDOWS.

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 07-1203.12
Expiration Date 02/13/2013
By *Manuel Perez*
Miami/Dade Product Control Division

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 03/21/02	
NO.	REVISION DESCRIPTION	BY	DATE
A1	ADDED NEW GLASS & GLAZING		
A2	UPDATE LOAD TABLES TO ASTM E1300-02		
B1	UPDATE GENERAL NOTES	W.W.S.	02/07/08

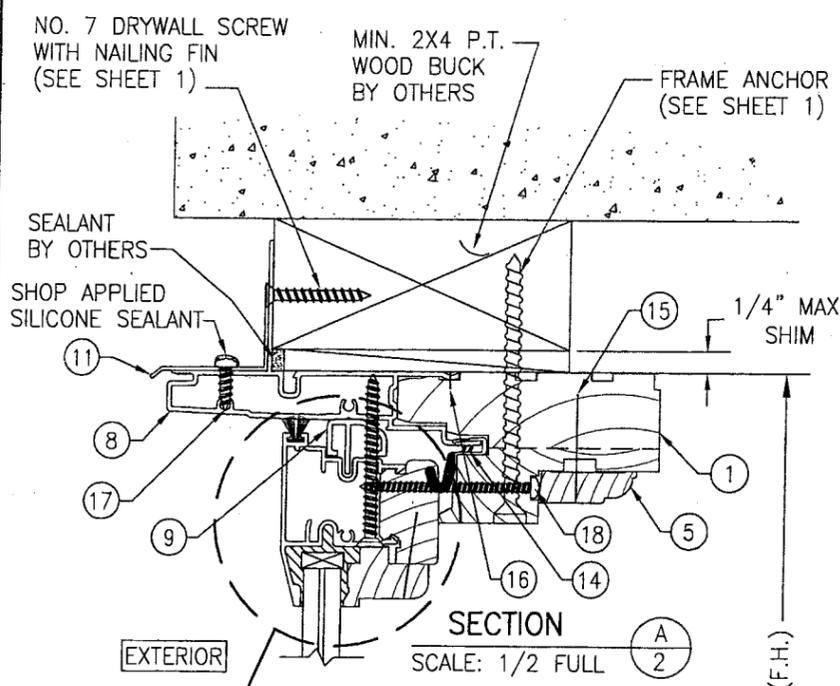
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD FIXED CASEMENT IMPACT WINDOW

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

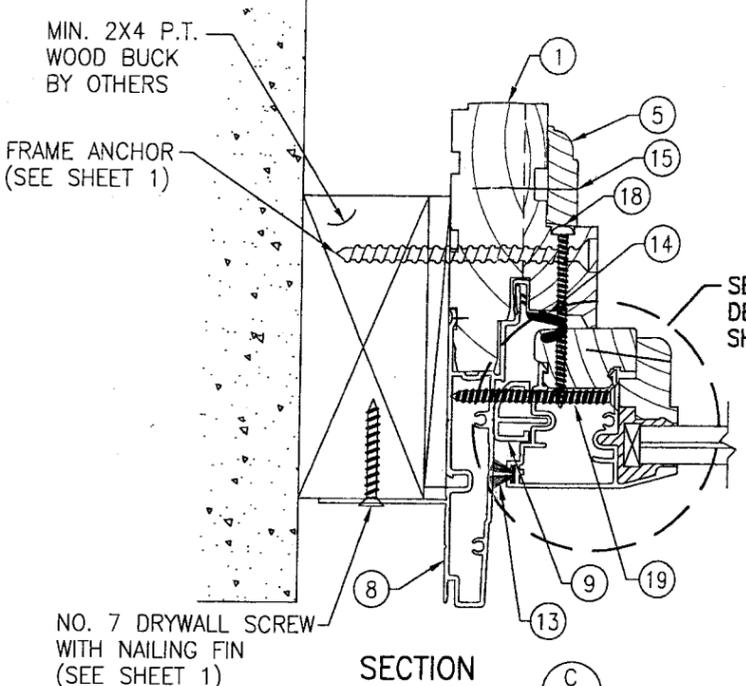
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

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

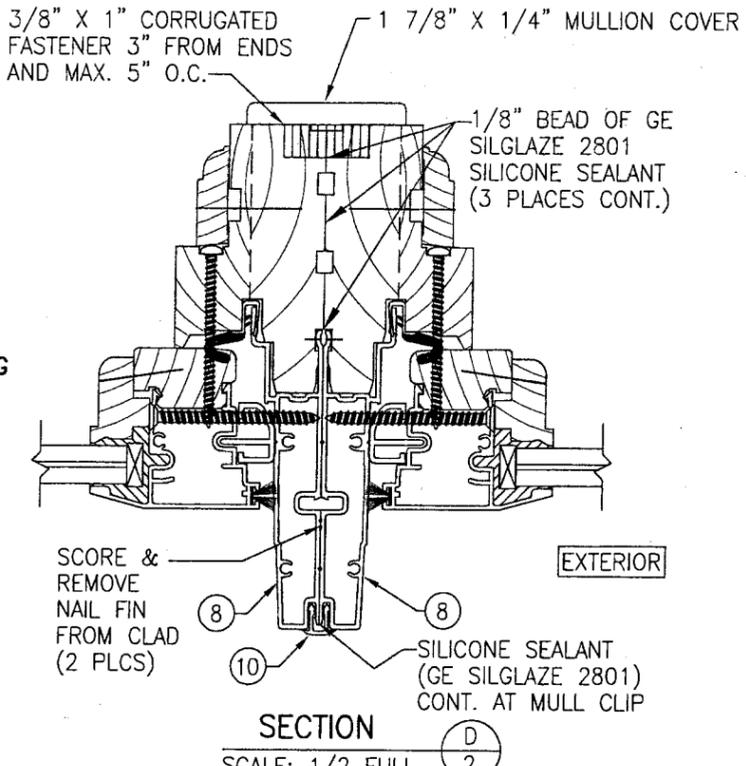
DRAWING NO.	REV.
1071	B
SHEET NO.	OF
1	4



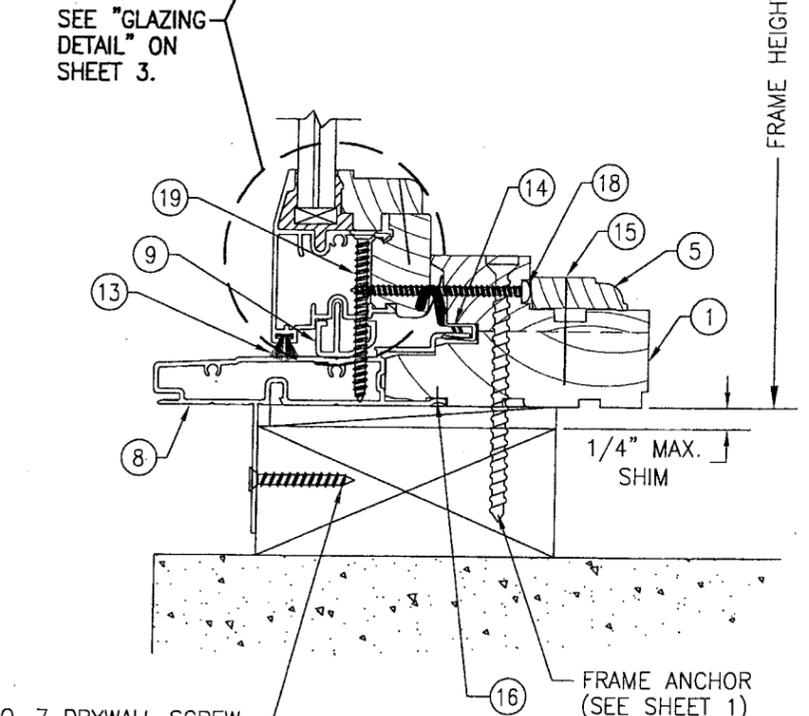
SECTION A
SCALE: 1/2 FULL



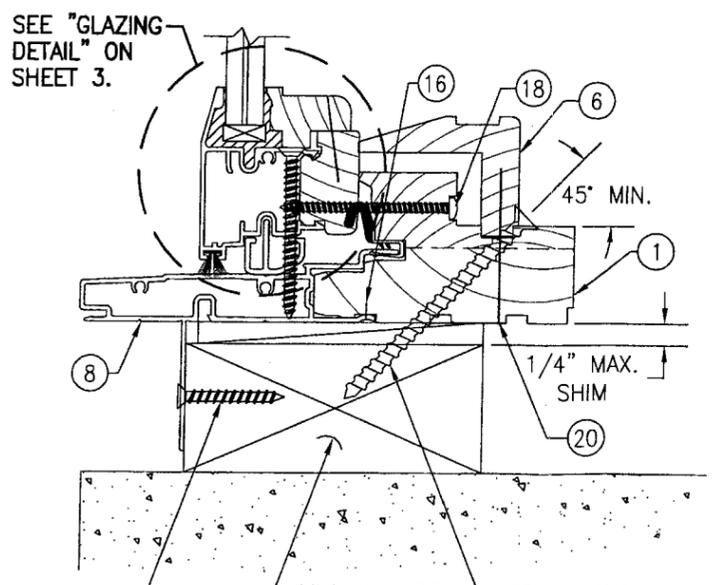
SECTION C
SCALE: 1/2 FULL



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

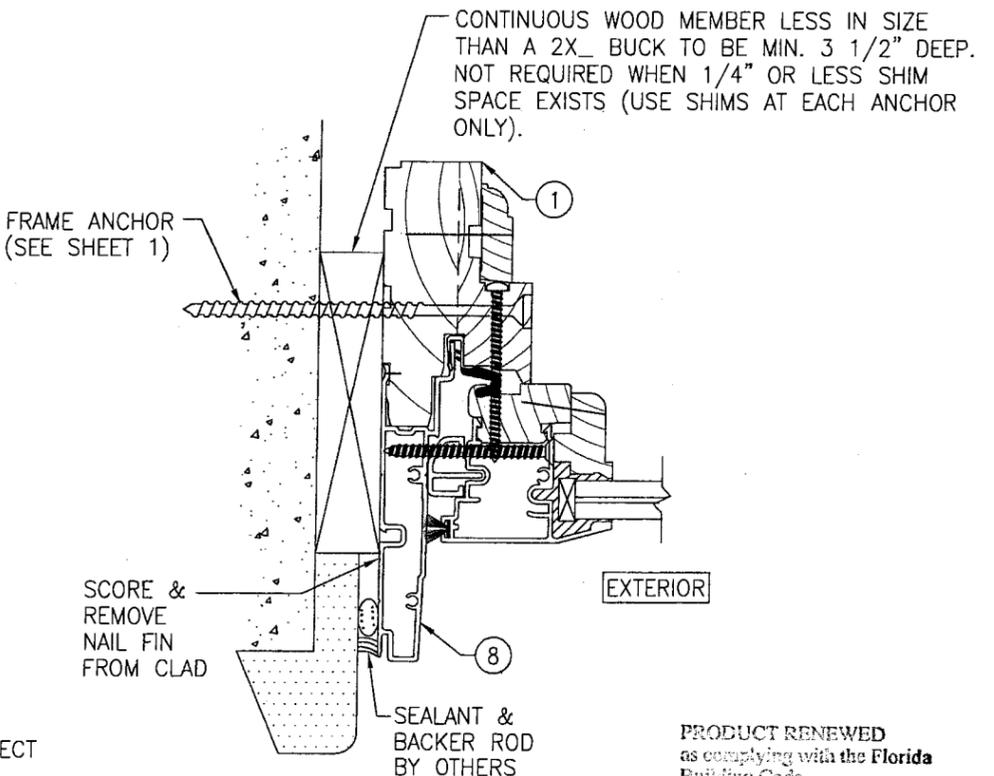


SECTION B1
SCALE: 1/2 FULL



SECTION B2
SCALE: 1/2 FULL

(OPTIONAL COVER & FRAME FASTENER)
(AT SILL ONLY)



OPTIONAL DIRECT MOUNT DETAIL
(TYPICAL ALL SIDES)
FOR DETAIL NOT SHOWN,
SEE OTHER SECTIONS.

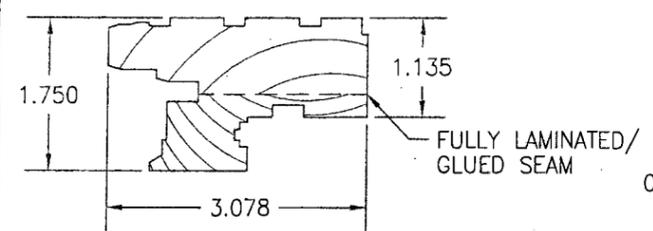
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 07-1203.12
Expiration Date 02/13/2013

By *Manuel Perez*
Miami Dade Product Control
Division

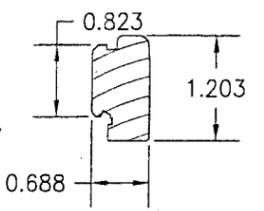
DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/21/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD FIXED CASEMENT IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS			
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION: FEB 07 2008			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.	SHEET NO.	
1071	B	2 OF 4	

ITEM #	DRAWING #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	09-0060-M01	HEAD, SILL & SIDE JAMB	* WOOD
2	09-0248-M01	RAIL	* WOOD
3	09-0249-M01	STILE	* WOOD
4	09-0190-M0196	GLAZING STOP	* WOOD
5	09-0069-M01	COVER	* WOOD
6	XXXX	OPTIONAL "L" COVER	* WOOD
7	04-0012-M01	SASH CLADDING	6063-T5 ALUMINUM
8	04-0016-M01	FRAME CLADDING	6063-T5 ALUMINUM
9	02-0025-M01	SASH SUPPORT BLOCK; 3" LENGTH	PVC; 6" FROM CNR & @ CTR
10	04-0005-M051	MULLION CLIP	6063-T5 ALUMINUM
11	04-A2581	DRIP CAP	6063-T5 ALUMINUM
12A	12-0020-M	FRAME CLAD CORNER KEY	GLASS REINFORCED NYLON
12B	12-0025-M	SASH CLAD CORNER KEY	DIE CAST ZINC
SEALS & SEALANTS			
13	12-0070-M01	SASH, PILE WEATHERSTRIP	-
14	12158	CASEMENT SEAL	AMESBURY GROUP, INC.
FASTENERS			
15	-	F16 X 1 1/4" BRAD NAIL	3" FROM ENDS & 15" MAX. O.C.
16	-	1/2" X 1/2" STAPLES	6" FROM ENDS & 15" MAX. O.C.
17	-	NO. 6 X 3/8" PH SMS	3" FROM ENDS & @ 3RD PTS
18	-	NO. 8 X 2" WOOD SCREW	3 3/4" FROM ENDS & 10" O.C.
19	-	NO. 8 X 2" DRYWALL SCREW	3" FROM ENDS & 12" MAX. O.C.
20	-	1/2" X 1 7/8" 16 GA. STAPLE GALVANIZED STEEL	AS REQUIRED TO HOLD COVER IN PLACE

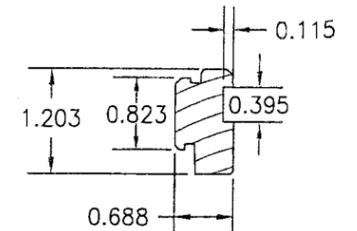
* WOOD USED WITH TEST UNITS WAS PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.



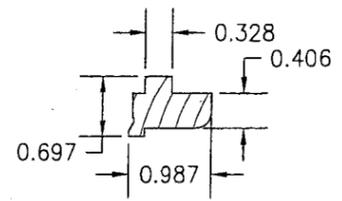
① HEAD, SILL & SIDE JAMB



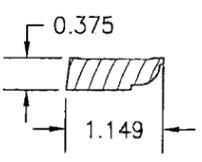
② RAIL



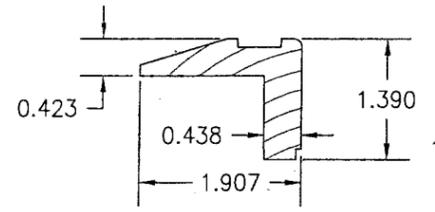
③ STILE



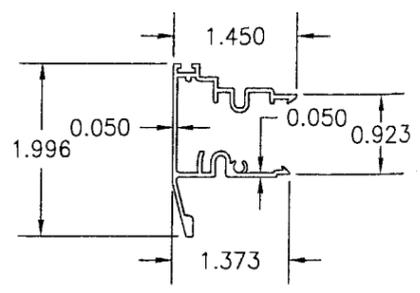
④ GLAZING STOP



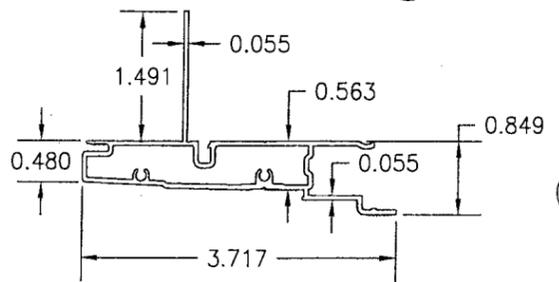
⑤ COVER



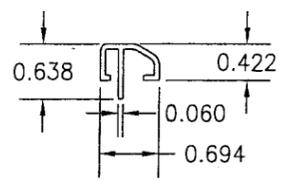
⑥ OPTIONAL COVER



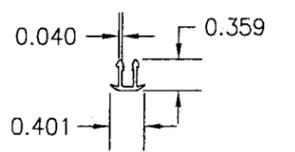
⑦ SASH CLADDING



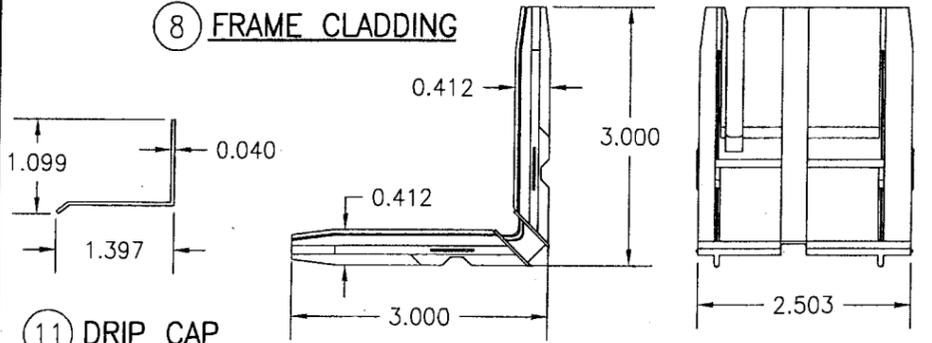
⑨ SASH SUPPORT BLOCK



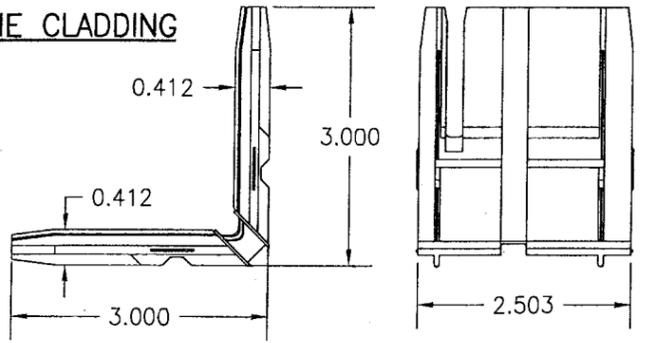
⑧ FRAME CLADDING



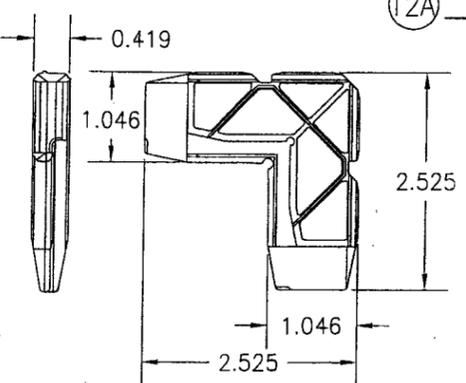
⑩ MULLION CLIP



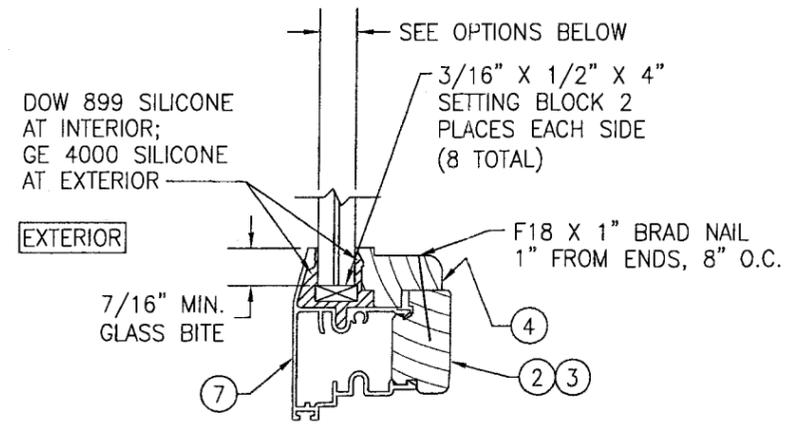
⑪ DRIP CAP



⑫A FRAME CLAD CORNER KEY

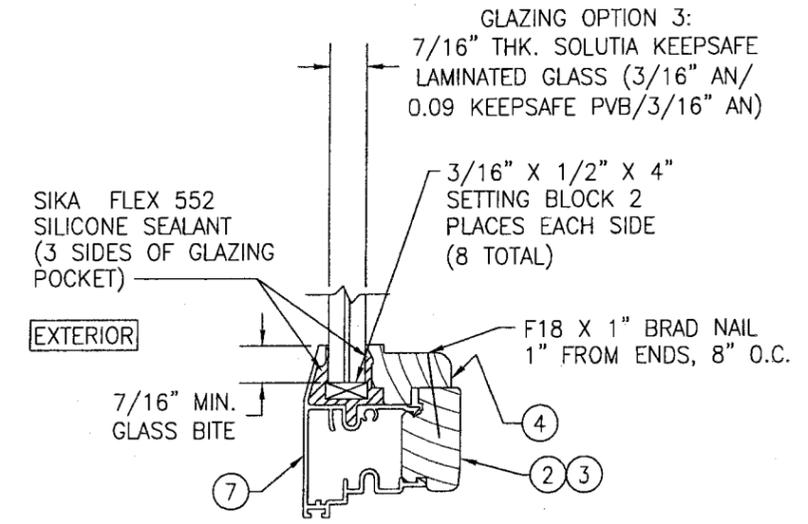


⑫B SASH CLAD CORNER KEY



GLAZING DETAIL 1

- 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.)



GLAZING DETAIL 2

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 07-1203.12
 Expiration Date 02/13/2013

By: *Manuel Perez*
 Miami Dade Product Control Division

DRAWN BY: J.C.F. CHECKED BY: W.W.S. DATE: 03/21/02 PLOT: 1=2	DATE: 03/21/02
REVISION DESCRIPTION NO.	DATE
DRAWING TITLE: LEGACY ALUMINUM CLAD WOOD FIXED CASEMENT 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. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION: FEB 07 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1071	REV. B
SHEET NO. 3	OF 4

**9/16" SENTRY GLASS PLUS LAMINATED HEAT STRENGTHENED GLASS
(GLAZING OPTION 1)**

(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.
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
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
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"							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		
63"									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"									57.3	71.6	57.3	71.6	57.3	71.6	57.3	71.6								
72"									52.5	65.6	52.5	65.6												
(1) LONG DIMENSION	48"	54"	58"	60"	62"	64"	66"	68"	72"	76"	80"	84"	88"	92"	96"	100"	104"	108"	112"	116"	120"	124"	128"	132"

**9/16" SOLUTIA SAFLEX HP100 LAMINATED HEAT STRENGTHENED GLASS
(GLAZING OPTION 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.
36"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
42"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
48"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
54"			55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0		
60"							55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0		
63"									55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0		
66"									52.5	64.0	52.5	64.0	52.5	64.0	52.5	64.0								
72"									48.1	58.6	48.1	58.6												
(1) LONG DIMENSION	48"	54"	58"	60"	62"	64"	66"	68"	72"	76"	80"	84"	88"	92"	96"	100"	104"	108"	112"	116"	120"	124"	128"	132"

**7/16" SOLUTIA KEEPSAFE LAMINATED ANNEALED 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	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
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
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	60.0	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	60.0	75.0	60.0	75.0
(1) LONG DIMENSION	54"	60"	66"	72"	77"	84"	90"	96"	99"	102"	108"	114"	120"	126"	132"	138"	144"	150"	156"	162"	168"	174"	180"	186"

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.

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.

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.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 07-1203.12
Expiration Date 02/13/2013

By *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/21/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE LEGACY ALUMINUM CLAD WOOD FIXED CASEMENT IMPACT 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		W. W. SCHAEFER, P.E. P.E. NO. 44153	
DRAWING NO.	REV.	SHEET NO.	
1071	B	4 OF 4	