



**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)**

**Hurd Millwork Company  
575 S. Whelen Avenue  
Medford, WI 54403**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Aluminum Clad Outswing Wood Casement Window**

**APPROVAL DOCUMENT:** Drawing No. 1043, dated 06/30/01 with revision "1" dated 10/29/02, titled "Clad Fixed Casement Impact Window", sheets 1 through 4, 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**

**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 # 01-1011.04 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 02-1120.04  
Expiration Date: January 01, 2007  
Approval Date: January 23, 2003  
Page 1**

**Hurd Millwork Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

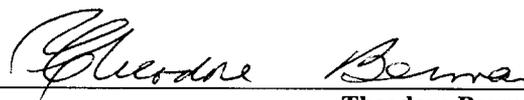
(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1043**, dated 06/30/01 with revision "1" dated 10/29/02, titled "Clad Fixed Casement Impact Window", sheets 1 through 4, 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 TAS 202-94
  - 2) Uniform Load Static Air Pressure Test, per TAS 202-94
  - 3) Water Resistance Test, per TAS 202-94
  - 4) Forced Entry Resistance Test, per FBC 2411.3.2.1
  - 5) Large Missile Impact Test, FBC TAS 201-94
  - 6) Cyclic Loading Test, per FBC TAS 203-94along with installation diagram of Fixed windows X, marked-up by Certified Testing Laboratory, Inc., Test Report No. **CTLA-679WC**, specimen #1,2 ,3, 4, 5, 8, 9, 10 & 11 dated 04/10/01 thru 06/18/01, signed and sealed by Ramesh Patel, P. E.
2. Test reports on
  - 1) Air Infiltration Test, per TAS 202-94
  - 2) Uniform Load Static Air Pressure Test, per TAS 202-94
  - 3) Water Resistance Test, per TAS 202-94
  - 4) Forced Entry Resistance Test, per FBC 2411.3.2.1
  - 5) Large Missile Impact Test, FBC TAS 201-94
  - 6) Cyclic Loading Test, per FBC TAS 203-94along with installation diagram of outswing-casement window X and OX, marked-up by Certified Testing Laboratory, Inc., Test Report No. **CTLA-679WA**, specimen #1,2 ,3, 4, 6, 7 & 8 dated 04/02/01 thru 06/19/01, signed and sealed by Ramesh Patel, P. E.
3. Test reports on
  - 1) Air Infiltration Test, per TAS 202-94
  - 2) Uniform Load Static Air Pressure Test, per TAS 202-94
  - 3) Water Resistance Test, per TAS 202-94
  - 4) Forced Entry Resistance Test, per FBC 2411.3.2.1
  - 5) Large Missile Impact Test, FBC TAS 201-94
  - 6) Cyclic Loading Test, per FBC TAS 203-94along with installation diagram of Wood fixed windows, marked-up by Certified Testing Laboratory, Inc., Test Report No. **CTLA-679WD**, specimen # 1, 2 ,4, 5, 8, 9, 11A, 12 & 13 dated 04/10/01 thru 06/25/01, signed and sealed by Ramesh Patel, P. E. (This test report has been revised on 11-20-01, signed and sealed by Ramesh Patel, P. E. )



**Theodore Berman, P.E.**

**Deputy Director, Product Control Division**

**NOA No 02-1120.04**

**Expiration Date: January 01, 2007**

**Approval Date: January 23, 2003**

**Hurd Millwork Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

4. Test reports on
  - 1) Air Infiltration Test, per TAS 202-94
  - 2) Uniform Load Static Air Pressure Test, per TAS 202-94
  - 3) Water Resistance Test, per TAS 202-94
  - 4) Large Missile Impact Test, FBC TAS 201-94
  - 5) Cyclic Loading Test, per FBC TAS 203-94

along with installation diagram of outswing-casement window X and OX, marked-up by Certified Testing Laboratory, Inc., Test Report No. **CTLA-899WC**, specimens **#3A, 3B, 6A and 6B**, dated 05/10/02, signed and sealed by Ramesh Patel, P. E.

**C. CALCULATIONS**

**(Submitted under previous approval NOA #01-1011.04)**

1. Anchor verification calculations and structural performance dated 08-13-01 and revised on 11-16-01, prepared by W. W. Schaefer Engineering & Consulting, P. A. , signed and sealed by Warren W. Schaefer, P. E.

**D. MATERIAL CERTIFICATIONS**

**(Submitted under previous approval NOA #01-1011.04)**

1. Notice of Acceptance No. **01-0206.22** for "Cardinal Sea-Storm Type B" laminated glass, issued to Cardinal LG, expiring 12-30-2002.
2. Notice of Acceptance No. **98-0608.03** for "Sentry Glas Plus" laminated glass, issued E. I. Dupont De-Nemours, expiring 01-14-2002.

**E. STATEMENTS**

1. Statement letter of conformance and "No financial interest", dated July 19, 2001, signed by Warren W. Schaefer, P.E.
2. Statement letter of Lab compliance , part of the report, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P. E.
3. Addendum letter to test report CTLA-679WA & CTLA-679WD, issued by Certified Testing Lab, dated November 19, 2001 and November 20, 2001, respectively, signed and sealed by Ramesh Patel, P. E.

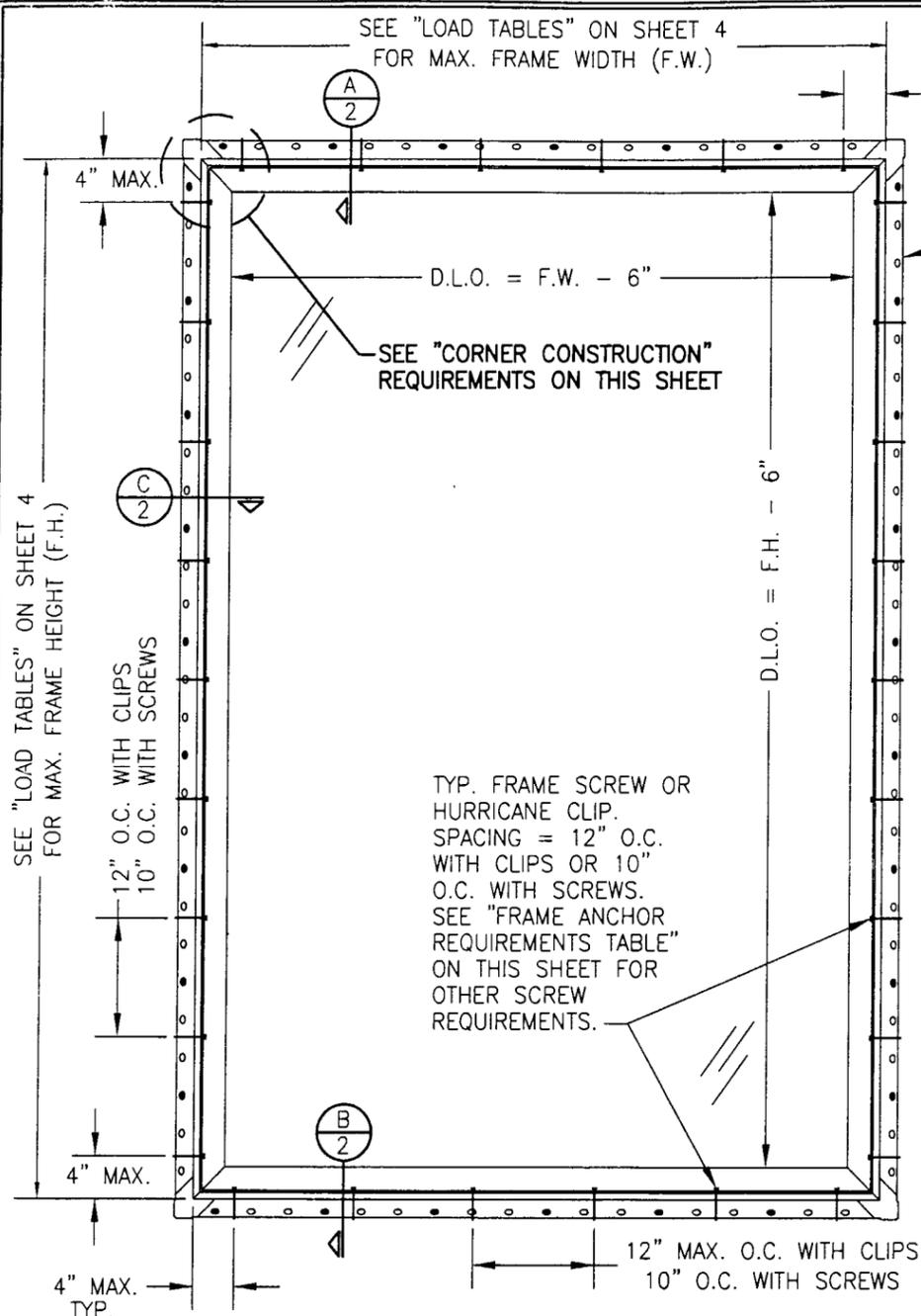
**F. OTHER**

1. Notice of Acceptance No. 01-1011.04, issued to Hurd Millwork Company for their Series "Aluminum Clad Fixed Window-Impact", approved on 01/10/02 and expiring on 01/10/07.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



**Theodore Berman, P.E.**  
**Deputy Director, Product Control Division**

**NOA No 02-1120.04**  
**Expiration Date: January 01, 2007**  
**Approval Date: January 23, 2003**



**EXTERIOR ELEVATION  
SINGLE FIXED CASEMENT**

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

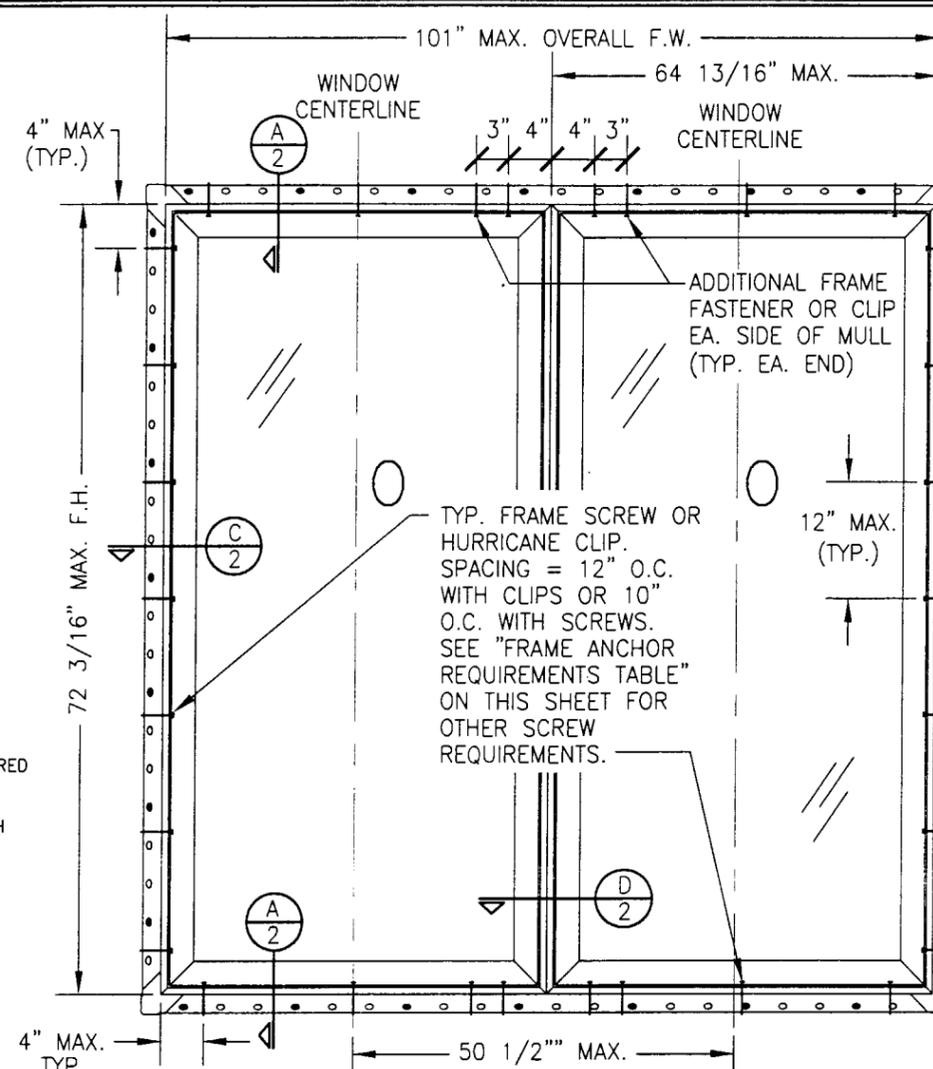
NAILING FIN IS OPTIONAL AND SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME FASTENERS SPECIFIED.

**CORNER CONSTRUCTION:**

**SASH:** WOOD MEMBERS ARE LAPPED TOGETHER & STAPLED WITH TWO(2) GSN-18-1/2" GALVANIZED STAPLES. CLAD IS MITERED & JOINED WITH AN "ABS" CORNER KEY (HURD PART NO. W1208) & THEN SEALED WITH 3-M JET WELD TE-031 SEALANT.

**JAMB:** WOOD MEMBERS ARE PARTIALLY DADO'D & JOINED WITH (3) 2.5" 16 GA. CROWN STAPLES THROUGH HEAD/SILL & INTO SIDE JAMBS. CLAD IS MITERED & JOINED WITH A NYLON CORNER KEY (HURD PART NO. CCSE620). THE CLAD CORNER IS ALSO GASKETED WITH A CLOSED CELL FOAM 0.062" THK. GASKET AND SECURED WITH 2 NO. 6 X 1/2" SMS SCREWS (ONE THROUGH SIDE & ONE THROUGH HEAD/SILL INTO CORNER KEY).

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



**EXTERIOR ELEVATION  
MULTIPLE FIXED CASEMENTS  
(MAX. FOUR UNITS MAY BE COMBINED)**

SEE OTHER ELEVATIONS FOR FIXED WINDOW DETAILS  
SCALE: 3/4"=1'-0"

**ALLOWABLE PRESSURE  
= MAX. +65/-70 PSF  
AT COMBINED UNITS**

**MULTIPLE UNIT NOTES:**

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN.
2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR +65/-70 PSF UNLESS A CLIPPED MULLION IS USED PER HURD'S MULLION APPROVAL.
3. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. 1047 UNDER SEPERATE APPROVAL.

**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 DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

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	1/4" TAPCON	1 1/4"	2"

ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A 1X4 P.T. 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, 1/4" TAPCONS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMB'D REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

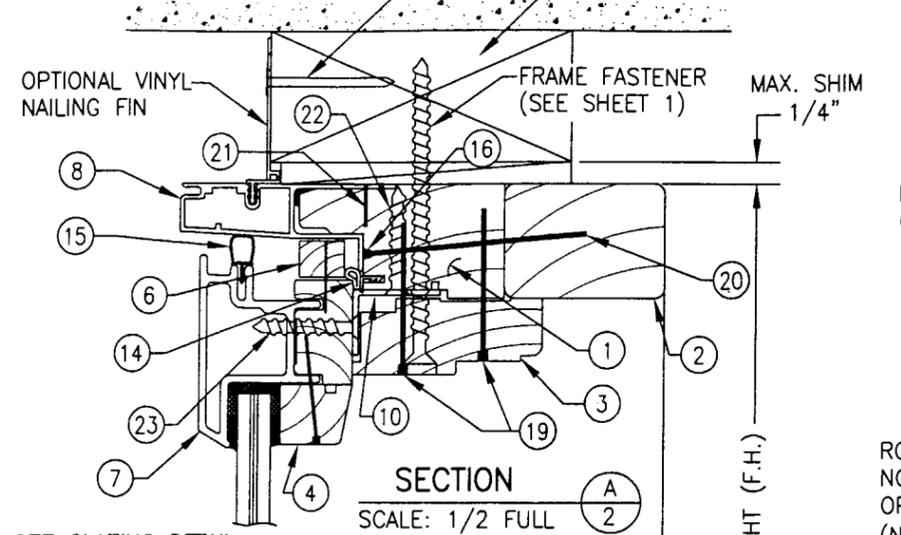
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 06/30/01	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: CLAD WOOD FIXED CASEMENT IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: HURD MILLWORK CO., INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CERTIFICATION: OCT 29 2002		P.E. WARREN W. SCHAEFER, P.E.	
DRAWING NO. 1043		REV.	
SHEET NO. 1		OF 4	

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 02-1120.04  
Expiration Date 01/01/03

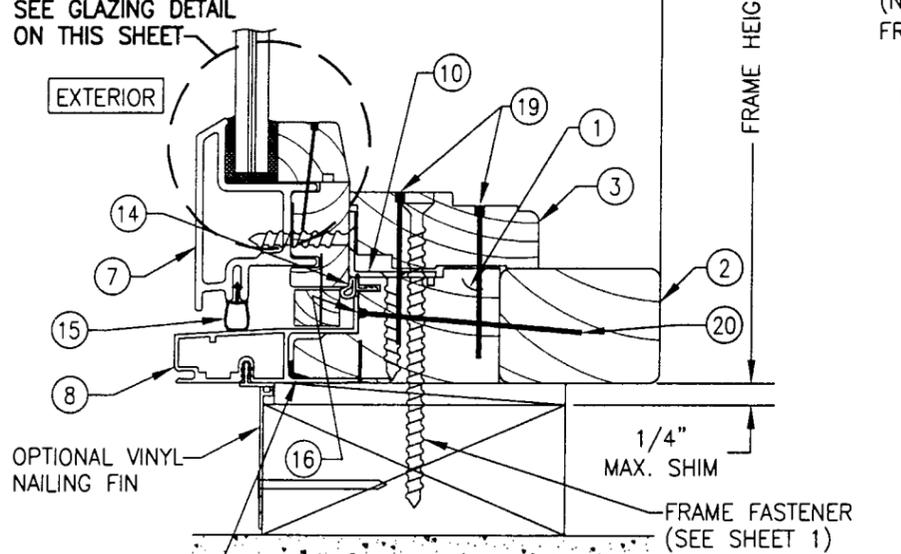
By: *Glenn Borman*  
Miami Dade Product Control Division

ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (NOT TO REPLACE FRAME FASTENERS)

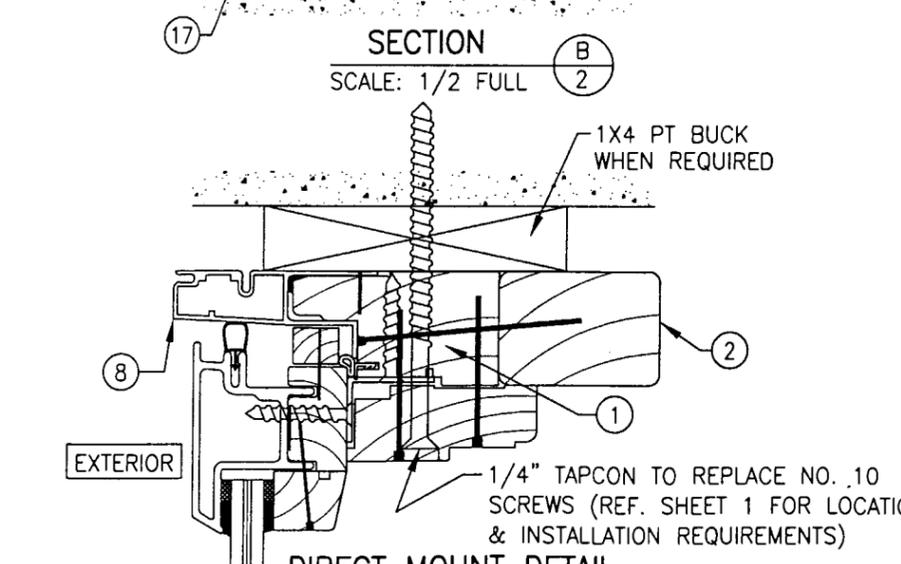
BUCK & BUCK ATTACHMENT BY OTHERS



SECTION A  
SCALE: 1/2 FULL

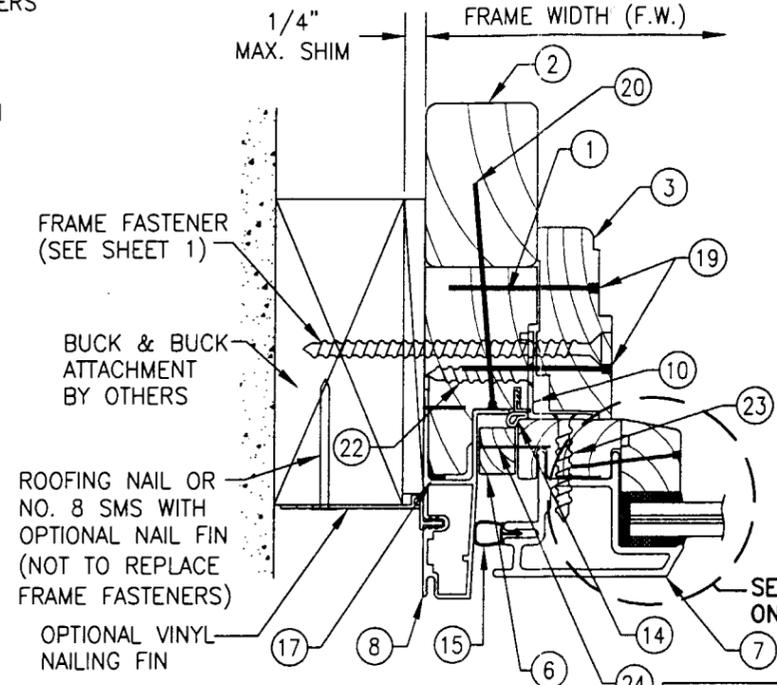


SECTION B  
SCALE: 1/2 FULL

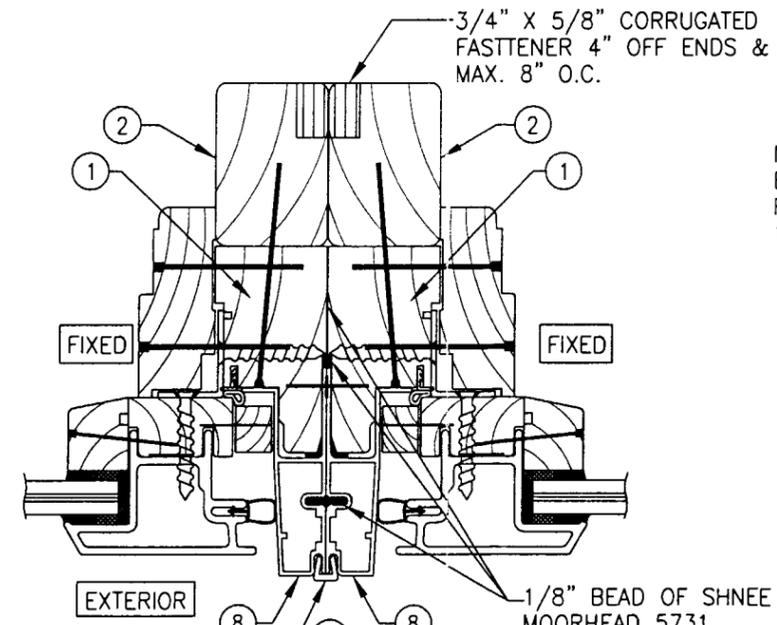


DIRECT MOUNT DETAIL

HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN



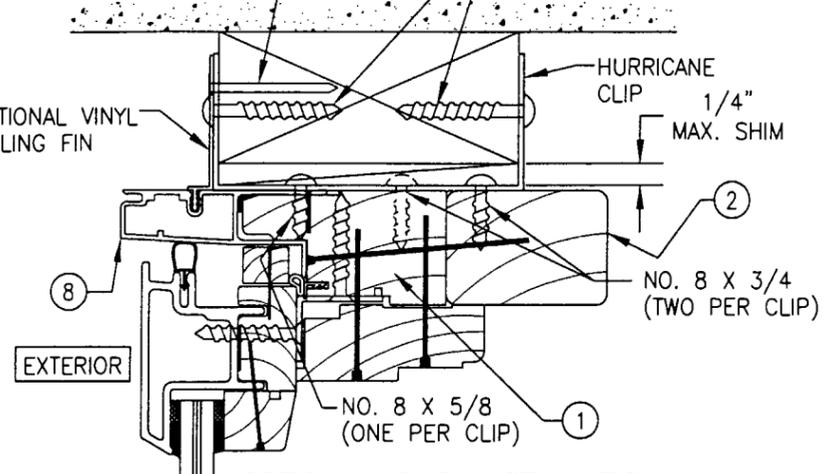
SECTION C  
SCALE: 1/2 FULL



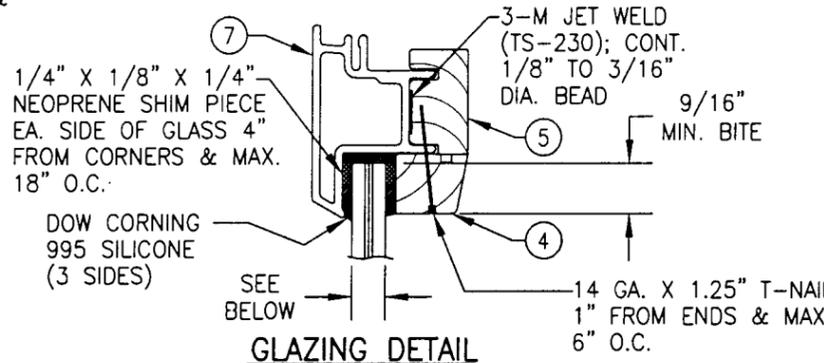
SECTION D  
SCALE: 1/2 FULL

ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (NOT TO REPLACE FRAME FASTENERS)

NO. 10 X 1.5" SMS. (2 PER CLIP; 1 EA. SIDE OF BUCK)



OPTIONAL CLIP INSTALLATION  
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN



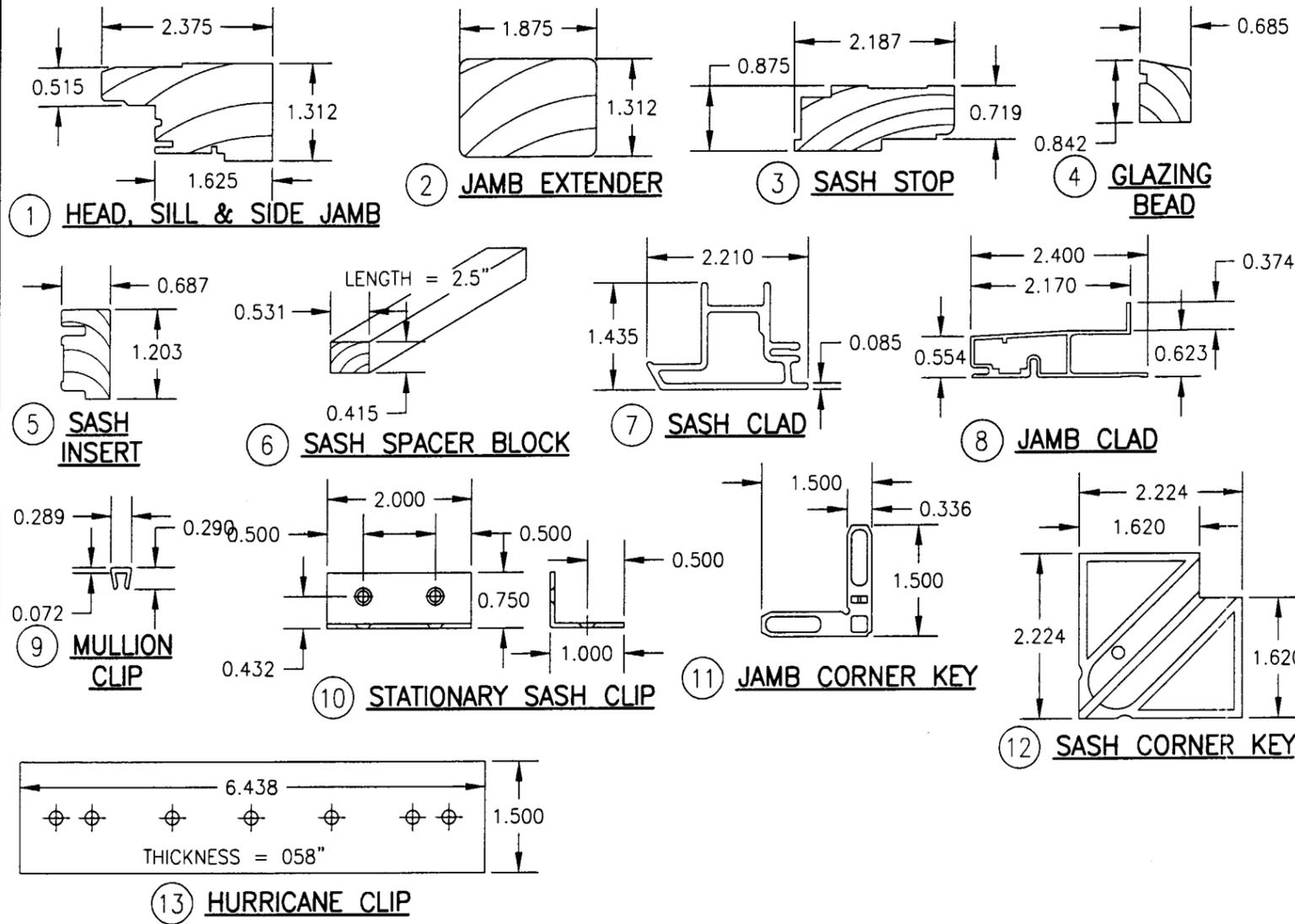
GLAZING DETAIL

- OPTION 1: 7/16" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (3/16" AN/0.015 PVB/0.007 PET/0.075 PVB/3/16" AN)
- OPTION 2: 9/16" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (1/4" AN/0.015 PVB/0.007 PET/0.075 PVB/1/4" AN)
- OPTION 3: 9/16" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (1/4" HS/0.015 PVB/0.007 PET/0.075 PVB/1/4" HS)
- OPTION 4: 9/16" SOLUTIA SAFLEX HP LAMINATED GLASS (1/4" HS/0.10 SAFLEX HP/1/4" HS)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 02-1120.04  
Expiration Date 01/01/03

By *Warren W. Schaefer*  
Miami Dade Product Control  
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 06/30/01
DATE 10/29/02	
BY W.W.S.	
REVISION DESCRIPTION	
1 ADDED SAFLEX HP GLASS	
<p><b>CLAD WOOD FIXED CASEMENT IMPACT WINDOW</b></p> <p>MANUFACTURER <b>HURD MILLWORK CO., INC.</b> 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873</p> <p>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</p>	
CERTIFICATION	
OCT 29 2002	
DRAWING NO. 1043	REV.
SHEET NO. 2 OF 4	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	CCSE223	HEAD, SILL & SIDE JAMB	* PONDEROSA/SUGAR PINE
2	CCSE225	JAMB EXTENDER	* PONDEROSA/SUGAR PINE
3	CAWN245	SASH STOP	* PONDEROSA/SUGAR PINE
4	H1205	GLAZING BEAD	* PONDEROSA/SUGAR PINE
5	W1203	SASH INSERT	* PONDEROSA/SUGAR PINE
6	CCSE300	SASH SPACER BLOCK (PONDEROSA PINE)	2" FROM CORNERS & MAX. 18" O.C.
7	W1204	SASH CLADDING	OMNIGLASS FIBERTHERM
8	CCSE440	JAMB CLADDING	6063-T5 ALUMINUM
9	CCSE470	CONTINUOUS MULLION CLIP	6060-T5 ALUMINUM
10	-	16 GA. (0.56" THK.) STEEL CLIP	5" FROM CORNERS & 10" MAX. O.C.
11	CCSE620	JAMB CLAD CORNER KEY	NYLON 66 MATERIAL
12	W1208	SASH CLAD CORNER KEY	ABS FIBERGLASS
13	-	16 GAGE (0.058" THK.) HURRICANE CLIP	STEEL (Fy = 33 ksi MIN.)
SEALS & SEALANTS			
14	CCSE635	FRAME WEATHER STRIP	AMESBURY TBE SKIN/FOAM FILLED
15	W1207	SECONDARY WEATHER STRIP	PVC (HEAD, SILL & LOCK SIDE)
16	-	1/8" DIA. CONT. BEAD OF SEALANT	SCHNEE MOORHEAD SM-5731
17	-	3/16" BEAD SEALANT @ CLAD CORNERS	SCHNEE MOORHEAD SM-5731
18	CCSE670	0.062" THK. JAMB CLAD CORNER GASKET	CLOSED CELL FOAM
MISCELLANEOUS FASTENERS			
19	-	14 GA. X 1 1/4" T-NAIL (SASH STOP FASTENER)	2 NAILS 4" FROM CORNER & 6" O.C.
20	-	2 1/2" 14 GAGE CROWN STAPLE @ JAMB EXTENDER	2" FROM CORNER & 8" O.C.
21	-	GSN-18-1/2" STAPLE (CLAD TO JAMB)	2" FROM CORNER & 6" O.C.
22	-	NO. 8 X 1 1/4" S.S. SMS SCREW	2 PER STATIONARY SASH CLIP INTO JAMB
23	-	NO. 8 X 1 1/4" S.S. SMS SCREW	2 PER STATIONARY SASH CLIP INTO SASH
24	-	18 GA. X 3/4" STAPLE	2 PER SASH SPACER BLOCK

\* 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.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 06/30/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
CLAD WOOD FIXED CASEMENT IMPACT WINDOW	
MANUFACTURER	
HURD MILLWORK CO., INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
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 OCT 29 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1043	REV.
SHEET NO. 3	OF 4

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 02-1120.04  
Expiration Date 01/01/07  
By *Warren W. Schaefer*  
Miami Dade Product Control  
Division

**ALLOWABLE DESIGN PRESSURE (3/8" ACTUAL GLASS)**  
**(WITH CARDINAL 7/16" ANNEALED LAMINATED GLASS)**  
**(GLASS OPTION 1)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)														
24"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	71.1
30"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
36"	80.0	80.0	80.0	80.0	77.9	75.6	74.5	72.3	70.6						
42"	80.0	80.0	76.6	71.4	67.3	64.3									
48"	80.0	75.1	68.9	63.2	58.4										
54"	N/A	67.5	61.3												
60"	N/A	N/A													
(1) LONG DIMENSION	48"	54"	60"	66"	72"	78"	84"	90"	96"	101"	108"	120"	132"	144"	

**ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)**  
**(WITH CARDINAL 9/16" ANNEALED LAMINATED GLASS)**  
**(GLASS OPTION 2)**

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)												
30"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0				
48"	80.0	80.0	80.0	80.0	80.0	77.8	74.1	71.6					
54"	80.0	80.0	80.0	76.0	69.8								
60"	80.0	80.0	72.7	65.5									
64"	N/A	74.2	67.0										
66"	N/A	71.6	64.2										
72"	N/A	N/A											
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	101"	108"	120"	132"	144"	

**ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)**  
**(WITH CARDINAL OR SOLUTIA 9/16" HEAT STRENGTHENED LAMINATED GLASS)**  
**(GLASS OPTIONS 3 OR 4)**

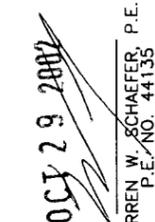
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)												
36"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
54"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0				
60"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0				
64"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0				
66"	N/A	72.7	77.6	77.6	77.6	77.6	77.6						
72"	N/A	N/A	71.1	71.1	71.1								
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	101"	108"	120"	132"	144"	

**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 REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 02-1120.04  
 Expiration Date 01/01/07

By: *Warren W. Schaefer*  
 Miami Dade Product Control  
 Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 06/30/01	
DATE	BY	REVISION DESCRIPTION	
10/29/02	W.W.S.	ADDED SAFLEX HP GLASS	
NO.	1		
<b>CLAD WOOD FIXED CASEMENT IMPACT WINDOW</b>			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 800 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		HURD MILLWORK CO., INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CERTIFICATION			
 O.C.J. 29 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.		REV.	
1043			
SHEET NO.			
4		OF 4	