



**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**

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**Hurd Windows and Doors, Inc.
575 S. Whelen Avenue
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: Aluminum Clad Wood Fixed Window-Impact

APPROVAL DOCUMENT: Drawing No. 1043, dated 06/30/01 with revision "A1" dated 07/29/05, titled "Clad Wood Fixed Casement Impact Window", sheets 1 through 4 of 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 # 02-1120.04 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 **Jaime D. Gascon, P.E.**



**NOA No 05-0823.01
Expiration Date: January 01, 2007
Approval Date: March 9, 2006
Page 1**

Hurd Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1043**, dated 06/30/01 with revision "A1" dated 07/29/05, titled "Clad Wood Fixed Casement Impact Window", sheets 1 through 4 of 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 FBC, TAS 202-94
 - 2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Resistance Test, per FBC, TAS 202-94
 - 5) Large Missile Impact Test, FBC TAS 201-94
 - 6) Cyclic Loading Test, per FBC TAS 203-94

along 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.

"Submitted under NOA# 02-1120.04"

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

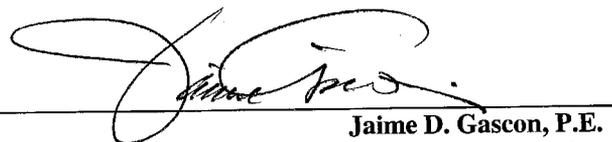
along with installation diagram of outswing-casement window X and OX, marked-up by Certified Testing Laboratory, Inc., Test Report No. **CTLA-679WA**, specimen #1,2,3,4,6,7&8 dated 04/02/01 thru 06/19/01, signed and sealed by Ramesh Patel, P.E

"Submitted under NOA# 02-1120.04"

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

along 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.

"Submitted under NOA# 02-1120.04"



Jaime D. Gascon, P.E.
Acting Chief, Product Control Division
NOA No 05-0823.01
Expiration Date: January 01, 2007
Approval Date: March 9, 2006

Hurd Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, 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.

“Submitted under NOA# 02-1120.04”

C. CALCULATIONS

1. Revised Anchor verification calculations and structural performance dated 08/13/01, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.
“Submitted under NOA# 02-1120.04”
2. Revised Anchor verification calculations and structural performance dated 01/18/06, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.

D. QUALITY ASSURANCE BY:

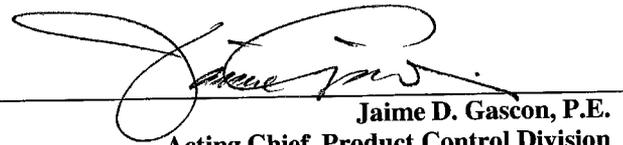
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No 03-0417.01 for “Cardinal Sea-Storm Type B” laminated glass, issued to Cardinal LG, expiring 12/30/07.
2. Notice of Acceptance No. 03-0421.01 for “Solutia Saflex HP” laminated glass, issued to Solutia, expiring 04/14/08.

F. STATEMENTS

1. Statement letter of conformance and “ No financial interest”, dated July 19, 2001, signed by Warren W. Schaefer, P.E.
“Submitted under NOA# 02-1120.04”
2. Statement letter of Lab compliance , part of the report, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P. E.
“Submitted under NOA# 02-1120.04”
3. Statement letter of conformance and , dated July 29, 2005, signed by Warren W. Schaefer, P.E.



Jaime D. Gascon, P.E.

Acting Chief, Product Control Division

NOA No 05-0823.01

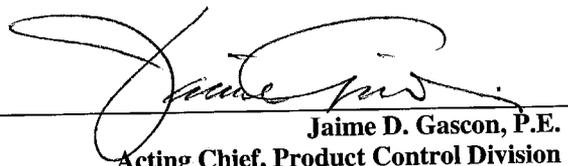
Expiration Date: January 01, 2007

Approval Date: March 9, 2006

Hurd Windows & Doors, Inc.

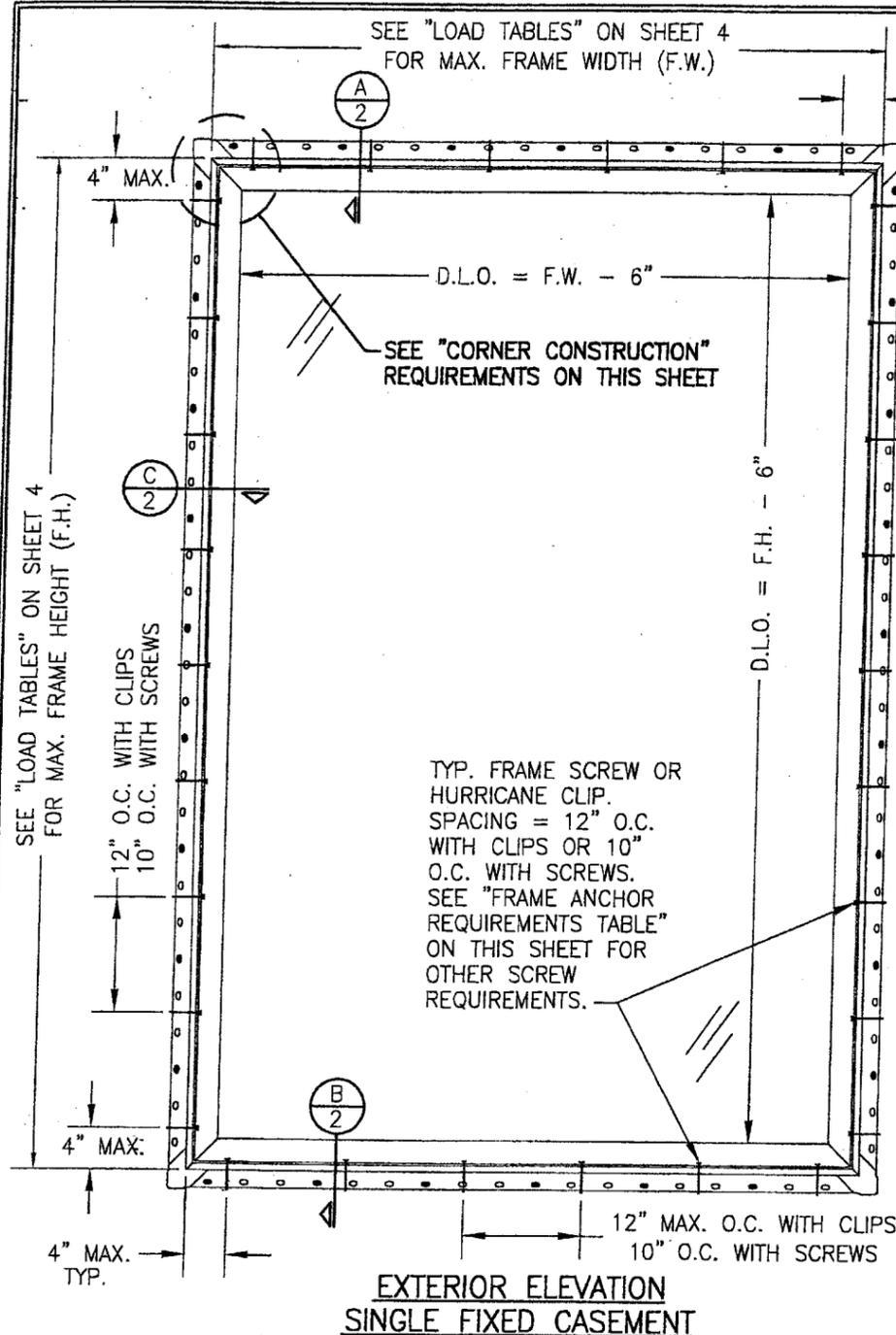
G. OTHER

1. Notice of Acceptance No. **02-1120.04**, issued to Hurd Windows & Doors, Inc., for their Series "Aluminum Clad Fixed Window-Impact", approved on 01/23/03 and expiring on 01/01/07.



Jaime D. Gascon, P.E.
Acting Chief, Product Control Division

NOA No 05-0823.01
Expiration Date: January 01, 2007
Approval Date: March 9, 2006



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

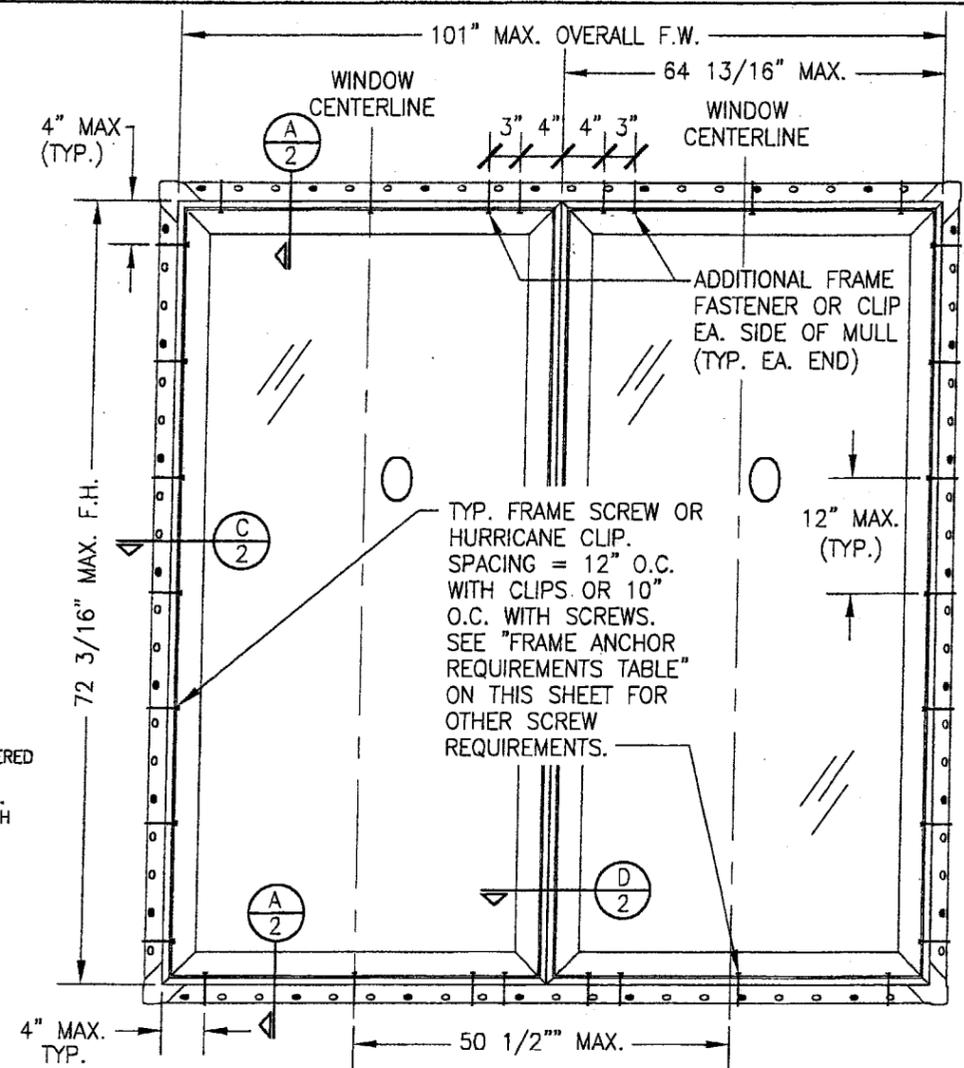
NAILING FIN IS OPTIONAL AND SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME FASTENERS SPECIFIED.

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. GCSE620). 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 FLORIDA BUILDING CODE PROTOCOLS TAS 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (F.B.C.) 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. 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.

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

DRAWN BY: W.W.S.
CHECKED BY: W.W.S.
PLOT: 1-16
DATE: 06/30/01

NO.	REVISION DESCRIPTION	DATE	BY
A1	UPDATE TO 2004 CODE	07/29/05	W.W.S.

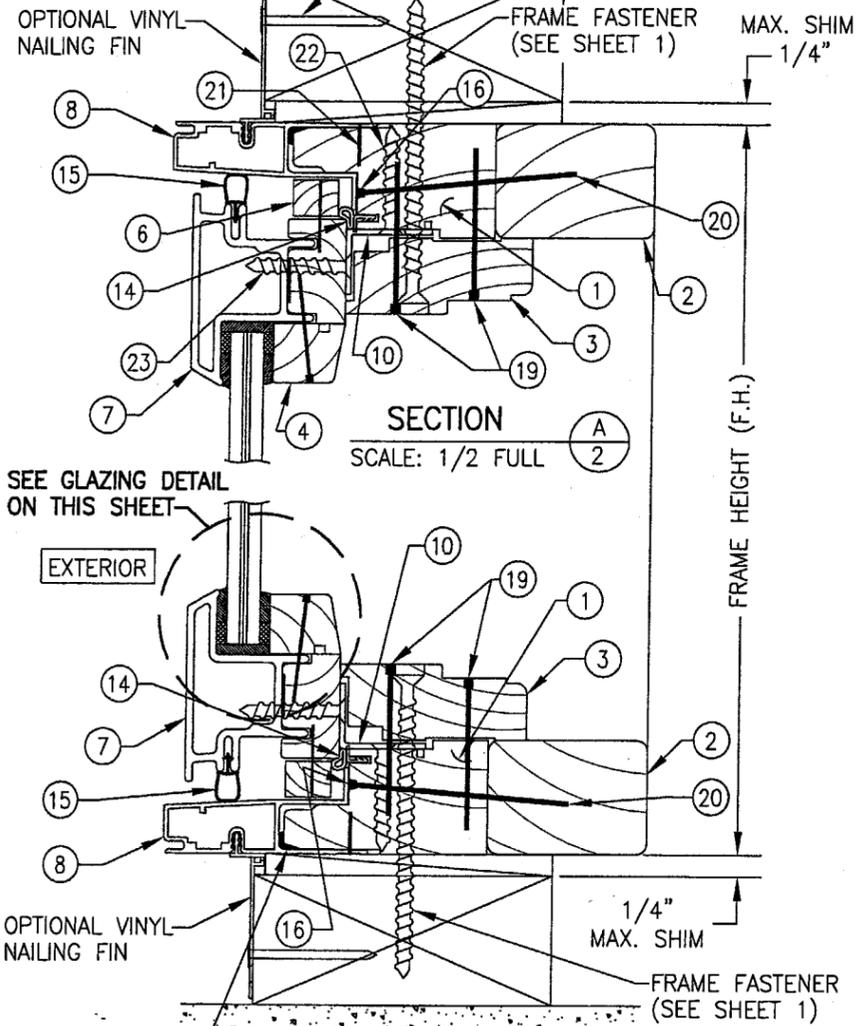
CLAD WOOD FIXED CASEMENT IMPACT WINDOW
MANUFACTURER
HURD WINDOWS & DOORS, INC.
575 S. WHELEN AVE.
MEDFORD, WI 54451
800-433-4873

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
JAN 18 2006
By: *[Signature]*
Miami Dade Product Control Division
DRAWING NO. 1043
SHEET NO. 1 OF 4
REV. A

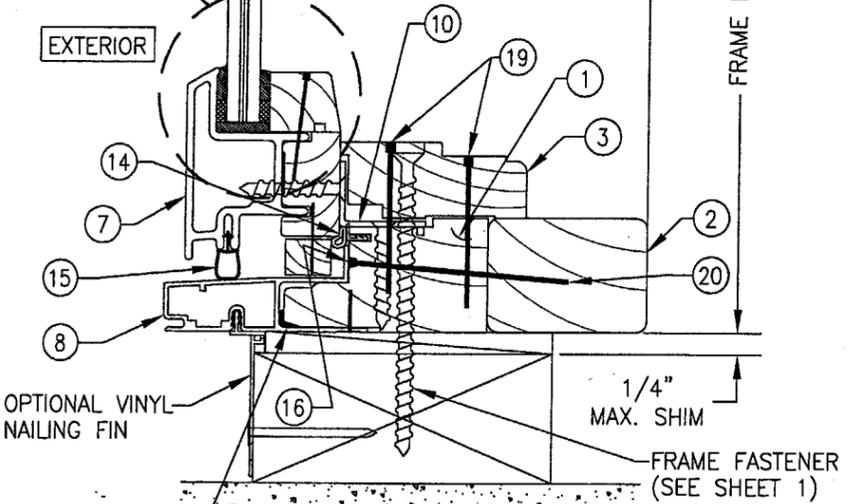
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 05-0823.01
Expiration Date January 1, 2007

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



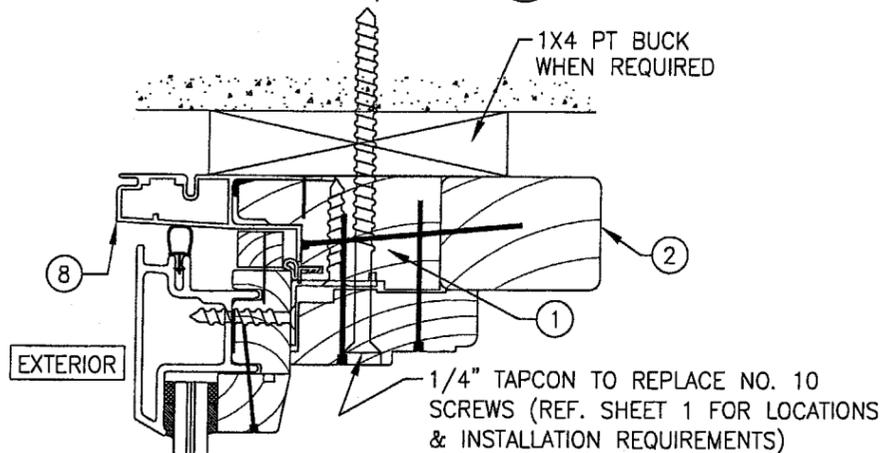
SECTION A
SCALE: 1/2 FULL

SEE GLAZING DETAIL ON THIS SHEET



SECTION B
SCALE: 1/2 FULL

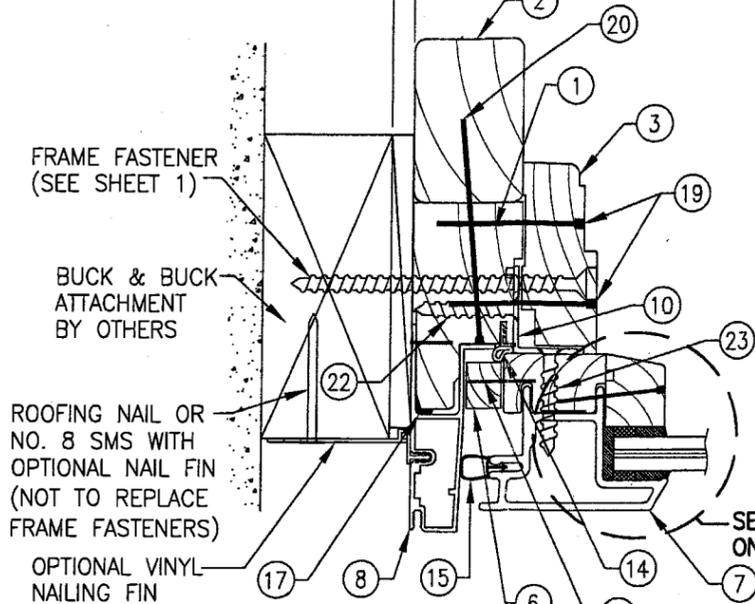
1X4 PT BUCK WHEN REQUIRED



DIRECT MOUNT DETAIL

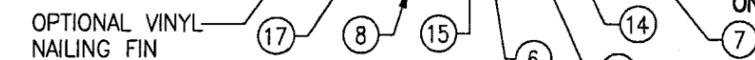
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
SEE SECTIONS FOR DETAIL NOT SHOWN.

1/4" MAX. SHIM



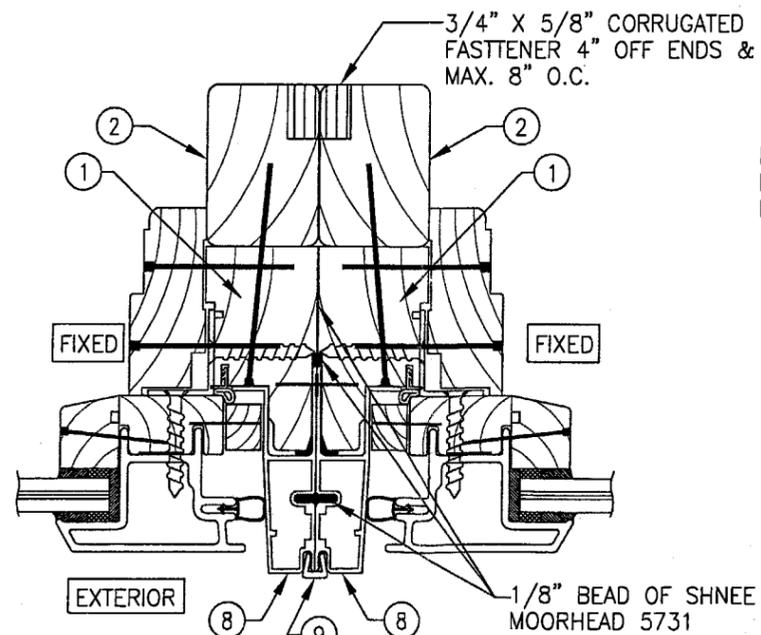
SECTION C
SCALE: 1/2 FULL

SEE GLAZING DETAIL ON THIS SHEET

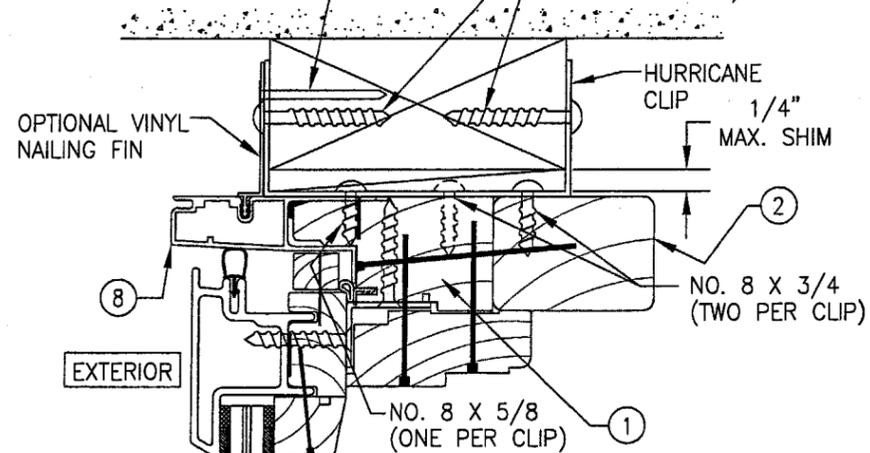


SECTION D
SCALE: 1/2 FULL

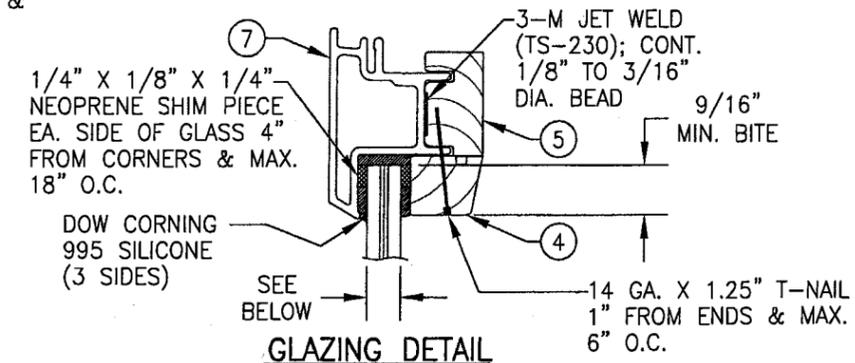
1/8" BEAD OF SHNEE MOORHEAD 5731 SILICONE SEALANT (3 PLACES CONT.)



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



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



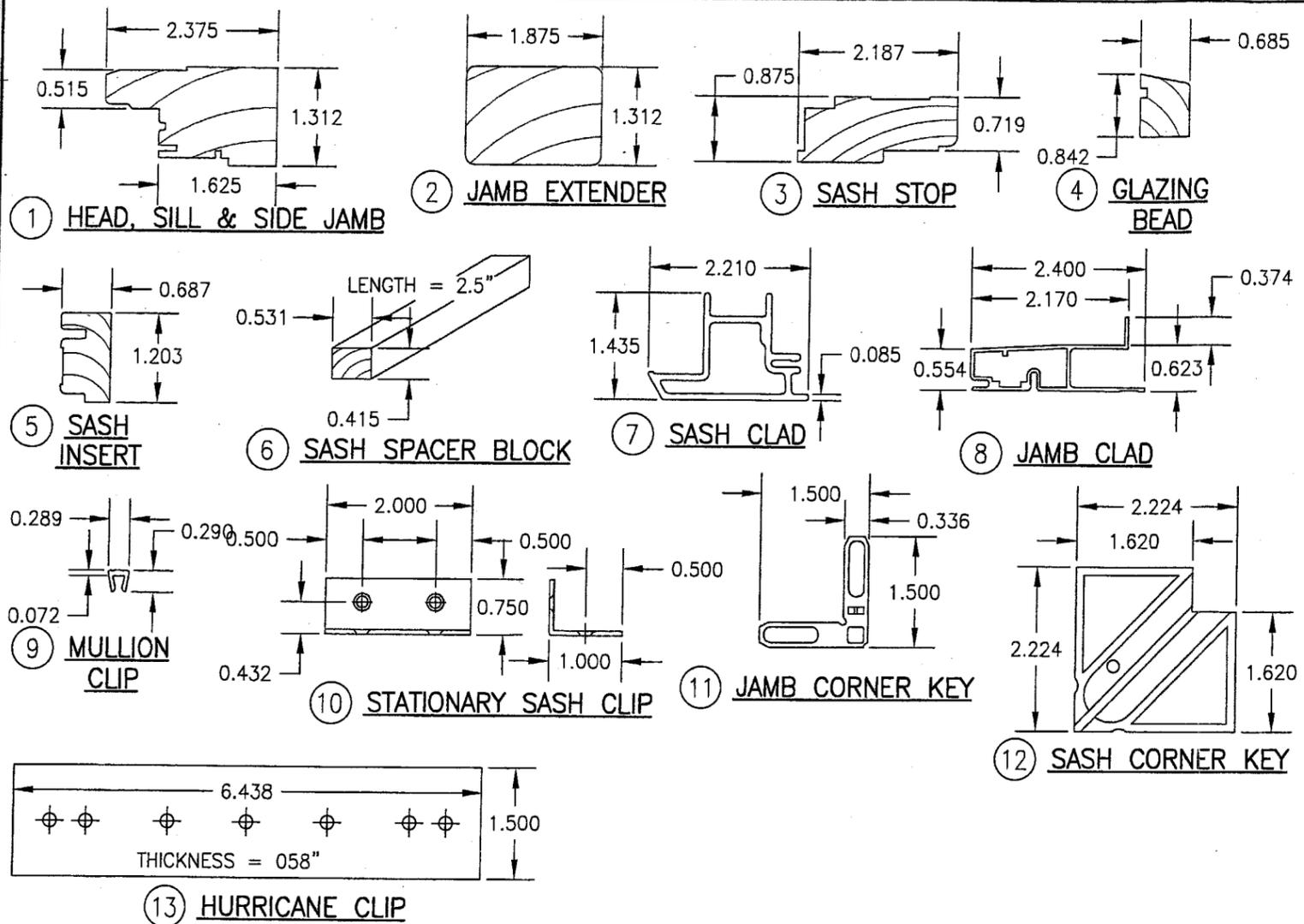
GLAZING DETAIL

- 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 05-0823-01
Expiration Date JANUARY 1, 2007

By *[Signature]*
Miami Dade Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 06/30/01
DATE	BY
NO.	REVISION DESCRIPTION
1	ADDED SAFLEX HP GLASS
DRAWING TITLE CLAD WOOD FIXED CASEMENT IMPACT WINDOW	
MANUFACTURER HURD WINDOWS & DOORS, 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 JAN 18 2006	By <i>[Signature]</i> W. W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1043	REV. A
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.
DATE: 1=2	DATE: 06/30/01
DATE	BY
REVISION DESCRIPTION	NO.
CLAD WOOD FIXED CASEMENT IMPACT WINDOW	
MANUFACTURER HURD WINDOWS & DOORS, INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS 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	
CERTIFICATION JAN 18 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1043	REV. A
SHEET NO. 3 OF 4	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0823-01
Expiration Date JANUARY 1, 2007

By: *[Signature]*
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	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			
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		
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		
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					
66"	N/A	72.7	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. **05-0823.01**
 Expiration Date **JANUARY 1, 2007**

By *[Signature]*
 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	
NO.	
1	ADDED SAFEX HP GLASS

CLAD WOOD FIXED CASEMENT IMPACT WINDOW

MANUFACTURER
HURD WINDOWS & DOORS, INC.
 575 S. HELEN 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
JAN 18 2006
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. **1043** REV. **A**
 SHEET NO. **4** OF **4**