



**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](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Hurd Windows & 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**

**APPROVAL DOCUMENT:** Drawing No. **1045**, titled "Aluminum Clad Wood Direct Glazed Impact Windows", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 6/30/01 with revision "A1" on 07/29/05, 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 # **02-1120.05** 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 **Jaime D. Gascon, P.E.**



**NOA No 05-0823.02  
Expiration Date: January 10, 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. **1045**, titled "Aluminum Clad Wood Direct Glazed Impact Windows", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 6/30/01 with revisions "A1" on 07/29/05, 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 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# 02-1120.05"*

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) Large Missile Impact Test, FBC, TAS201-94  
4) 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-899WD**, specimen # **3A, 8A, 4A, 7B & 8B** dated 05/08/02 thru 05/08/02, signed and sealed by Ramesh Patel, P. E.

*"Submitted under NOA# 02-1120.05"*

**C. CALCULATIONS**

1. Revised Anchor Calculations and structural analysis dated 10/29/02, prepared, signed and sealed by Wendell Haney, P.E.

**D. QUALITY ASSURANCE BY:**

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



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

NOA No 05-0823.02

Expiration Date: January 10, 2007

Approval Date: March 9, 2006

**Hurd Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

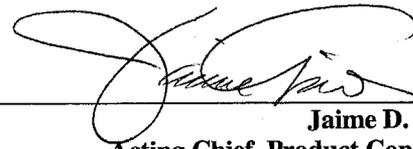
1. Notice of Acceptance No. **03-0417.01** for "Cardinal Sea-Storm Type B" laminated glass, issued to Cardinal LG, expiring 12/30/07.
2. Notice of Acceptance No. **01-1204.01** for "Sentry Glass Plus" laminated glass, issued E. I. Dupont De-Nemours, expiring 01/14/07.
3. Notice of Acceptance No. **03-0421.01** for "Solutia Saflex HP" laminated glass, issued to Solutia, expiring 04/14/08.

**F. STATEMENTS**

1. Statement letter of conformance dated July 29, 2005, signed by Warren W. Schaefer, P.E.

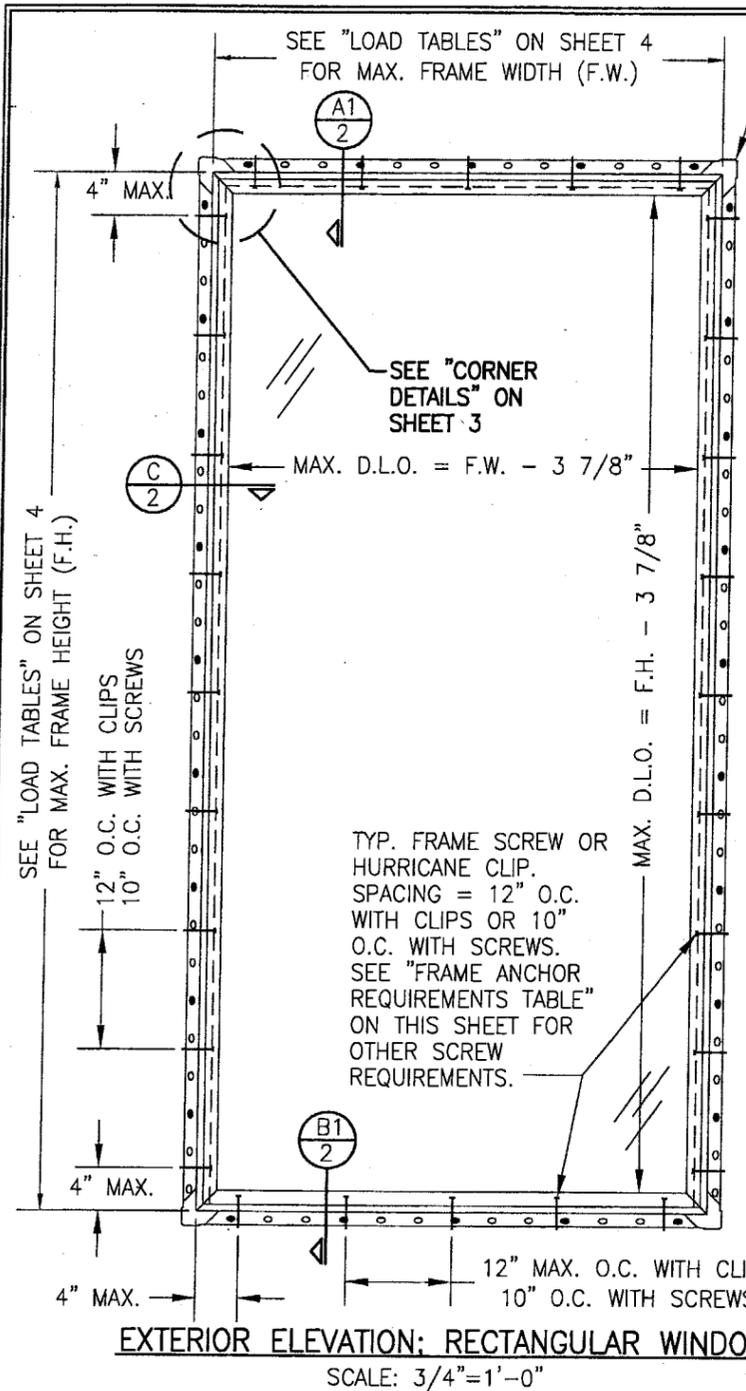
**G. OTHER**

1. Notice of Acceptance No. **02-1120.05**, issued to Hurd Windows & Doors, Inc., for "Aluminum Clad Wood Fixed Window" dated 01/23/03, expiring on 01/10/07.



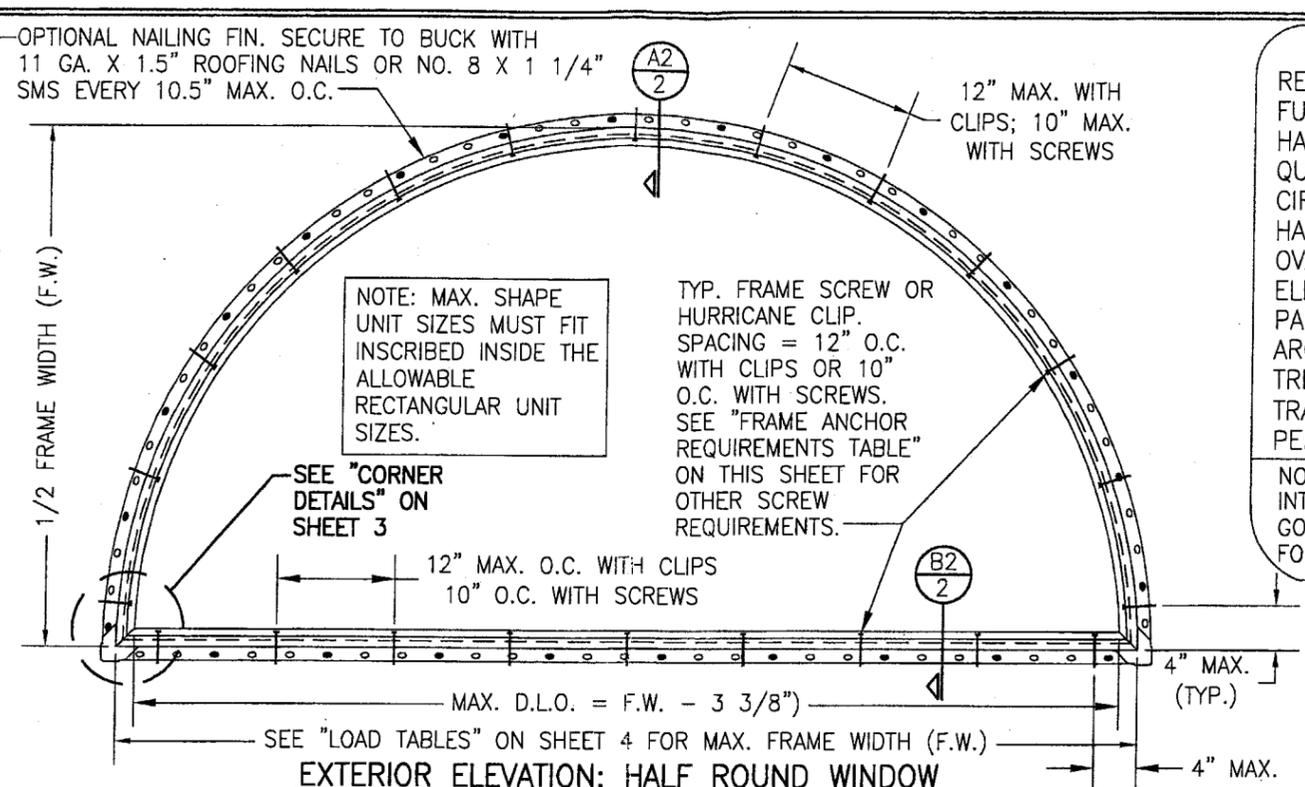
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**Jaime D. Gascon, P.E.**  
**Acting Chief, Product Control Division.**  
**NOA No 05-0823.02**  
**Expiration Date: January 10, 2007**  
**Approval Date: March 9, 2006**

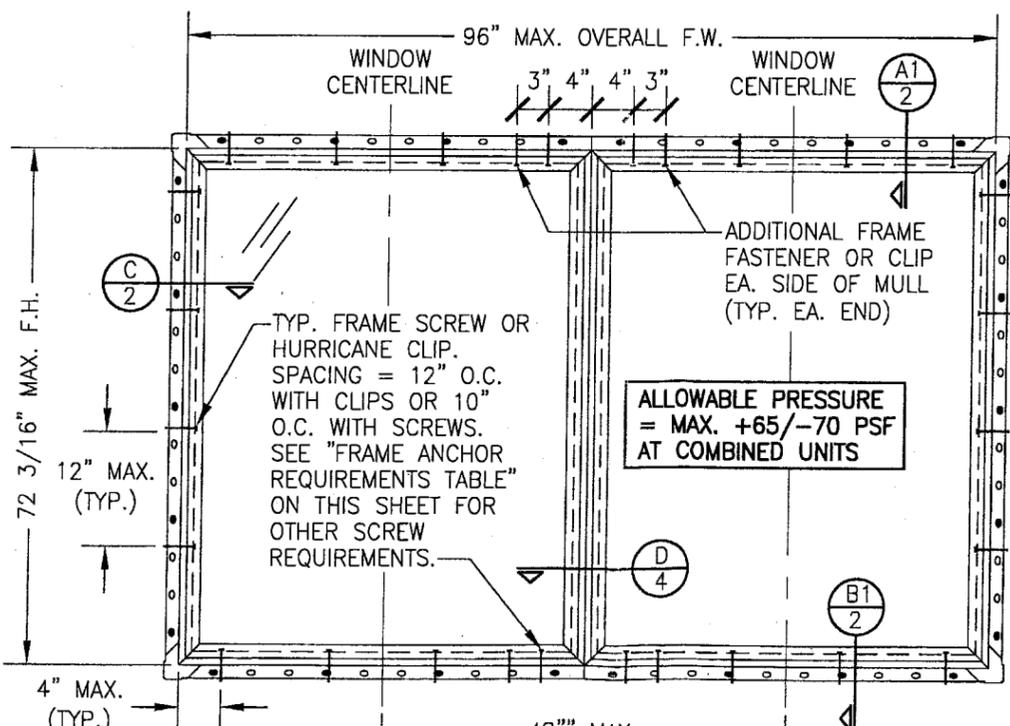


**EXTERIOR ELEVATION; RECTANGULAR WINDOW**  
SCALE: 3/4"=1'-0"

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



**EXTERIOR ELEVATION; HALF ROUND WINDOW**  
(OTHER RADIUS/CURVE SHAPES SIMILAR)  
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION; MULTIPLE FIXED WINDOWS**  
(MAX. FOUR UNITS MAY BE COMBINED)  
SEE OTHER ELEVATIONS FOR FIXED WINDOW DETAILS  
SCALE: 3/4"=1'-0"  
(MAY BE MULLED VERTICAL OR HORIZONTAL)

**APPROVED SHAPES**

RECTANGULAR	OCTAGON
FULL CIRCLE	CATHEDRAL/GOTHIC
HALF CIRCLE	EXTENDED ELLIPTICAL
QUARTER CIRCLE	MITERED CORNER
CIRCLE TOP	PARALLELOGRAM
HALF CIRCLE TOP	INVERTED CIRCLE TOP
OVAL	INVERTED ARCH TOP
ELLIPTICAL	EXTENDED HALF ROUND
PARTIAL ELLIPTICAL	EXTENDED SEGMENTAL
ARCH TOP	QUARTERFOIL
TRIANGULAR	PARTIAL ARCH
TRAPEZOID	EYEBROW
PENTAGON	

NOTE: ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF FOR THE RESPECTIVE RECTANGULAR UNIT.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 05-0823.02  
Expiration Date January 10, 2007  
By: *[Signature]*  
Miami Dade Product Control Division

**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"

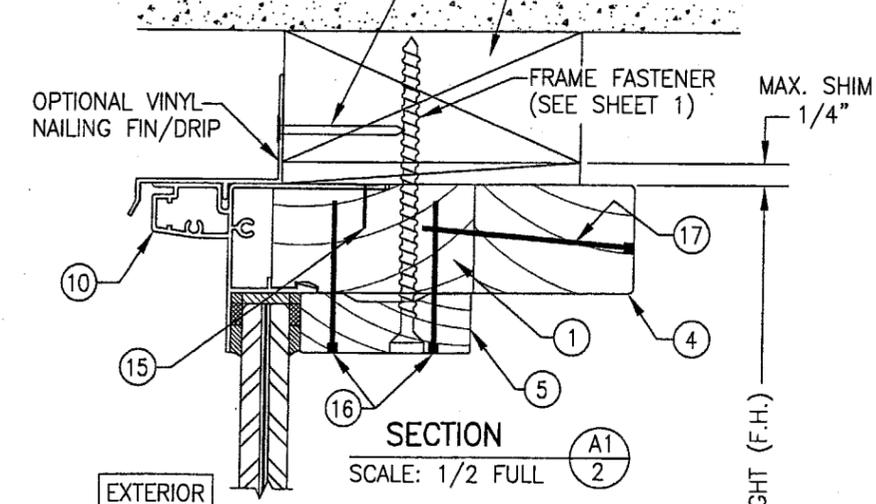
**ANCHOR NOTE:** FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED THROUGH JAMB TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" TAPCONS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISSIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

- 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.

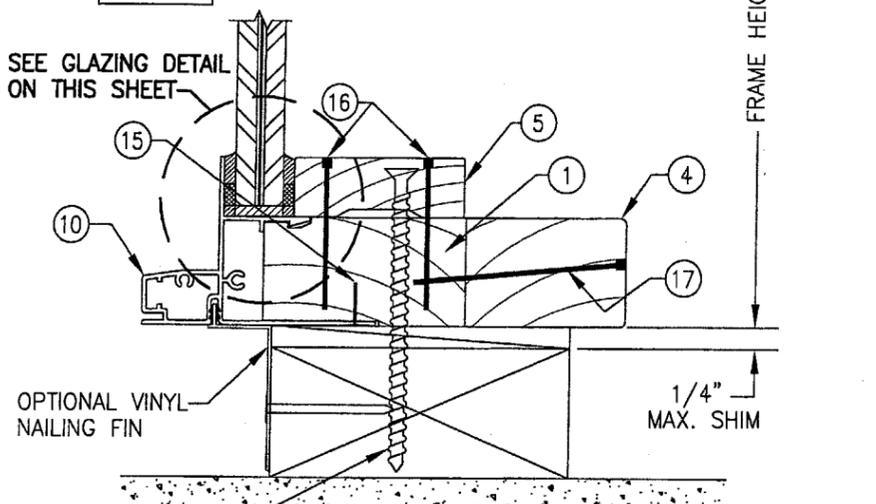
- MULTIPLE UNIT NOTES:**
1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN.
  2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR +65/-70 PSF UNLESS A CLIPPED MULLION IS USED PER HURD'S MULLION APPROVAL.
  3. FOR CLIPPED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

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/30/01
NO.	REVISION DESCRIPTION
1	ADDED MULLED UNITS
A1	UPDATE TO 2004 CODE
DATE	BY
10/29/02	W.W.S.
07/29/05	W.W.S.
DRAWING TITLE ALUMINUM CLAD WOOD DIRECT GLAZED IMPACT WINDOWS	
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 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44155	
DRAWING NO. 1045	REV. A
SHEET NO. 1 OF 4	

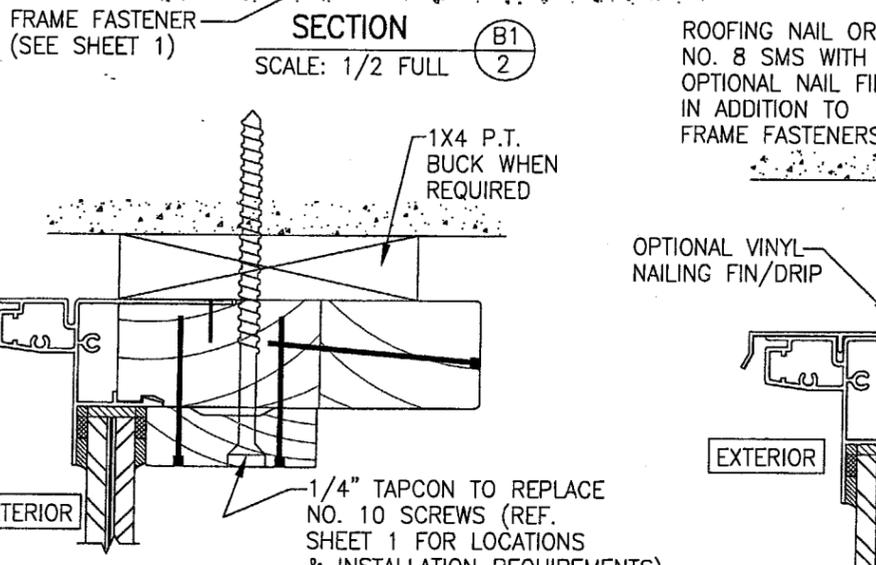
ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (IN ADDITION TO FRAME FASTENERS)



SECTION A1-2  
SCALE: 1/2 FULL

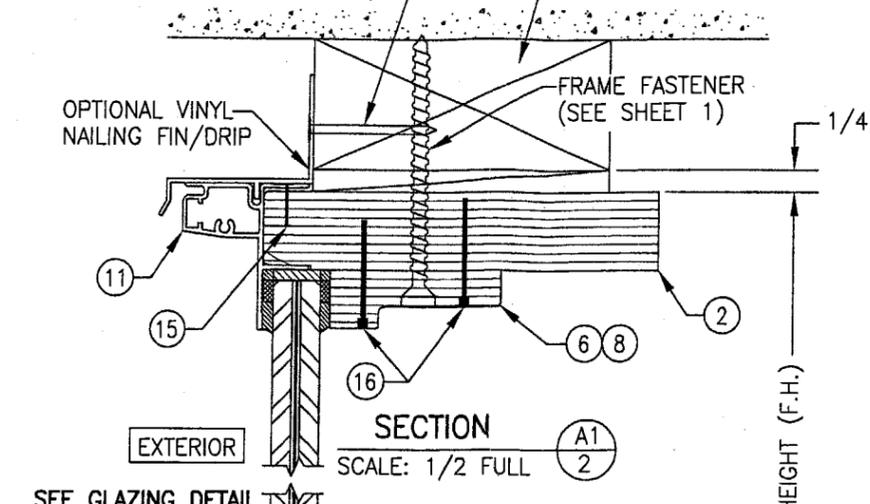


SECTION B1-2  
SCALE: 1/2 FULL

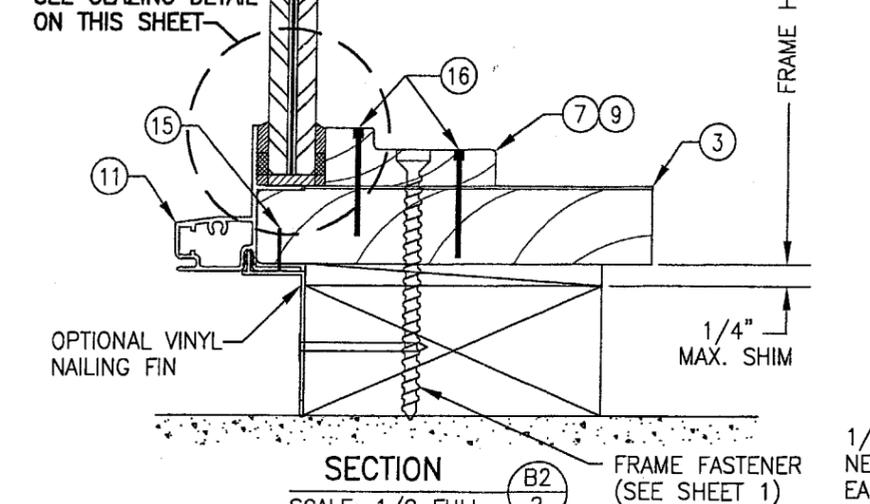


**DIRECT MOUNT DETAIL**  
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN  
(SIMILAR FOR ALL JAMB TYPES)

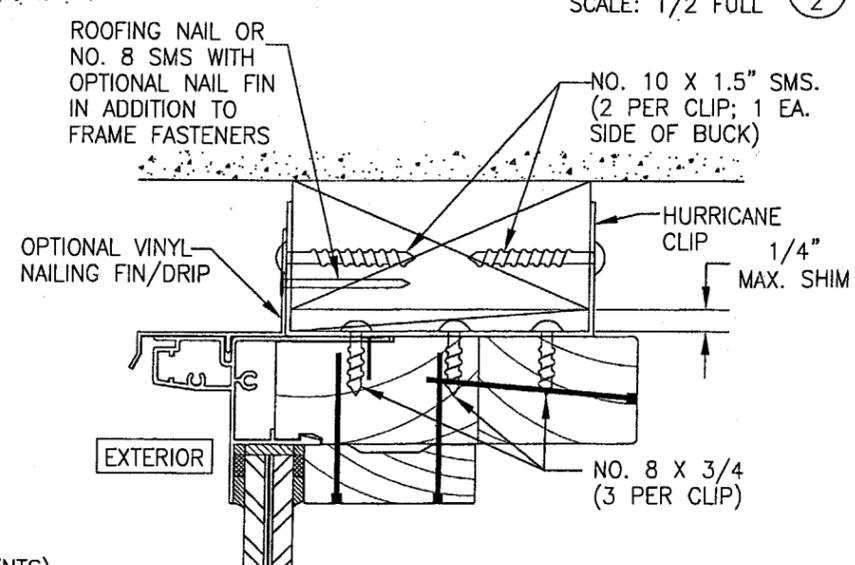
ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (IN ADDITION TO FRAME FASTENERS)



SECTION A1-2  
SCALE: 1/2 FULL

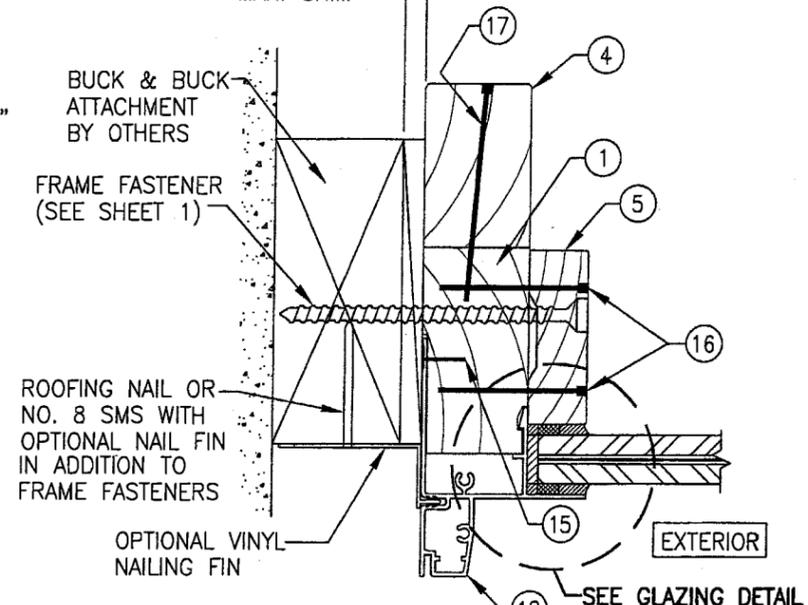


SECTION B2-2  
SCALE: 1/2 FULL



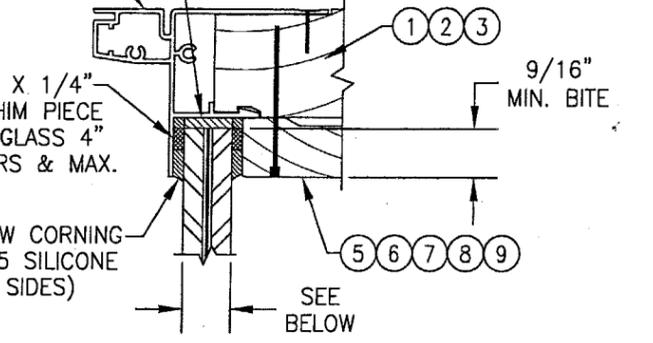
**OPTIONAL CLIP INSTALLATION**  
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN  
(SIMILAR FOR ALL JAMB TYPES)

1/4" MAX. SHIM



SECTION C-2  
SCALE: 1/2 FULL

GLASS SHIM (1/8" THK. X 1.5" LONG) SPACED 12" TO 16" O.C. AS REQ'D. (80 DUROMETER NEOPRANE)

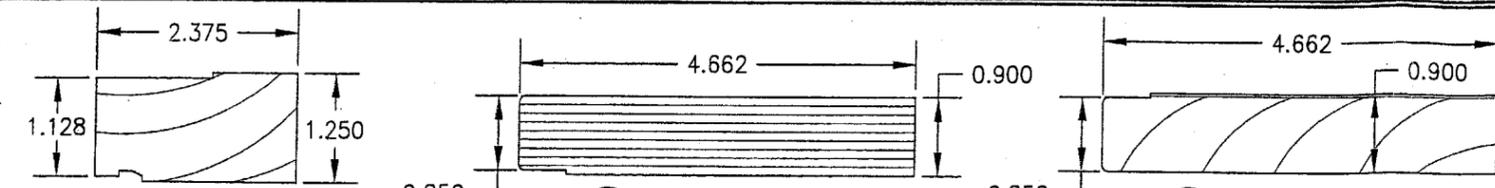


**GLAZING DETAIL**

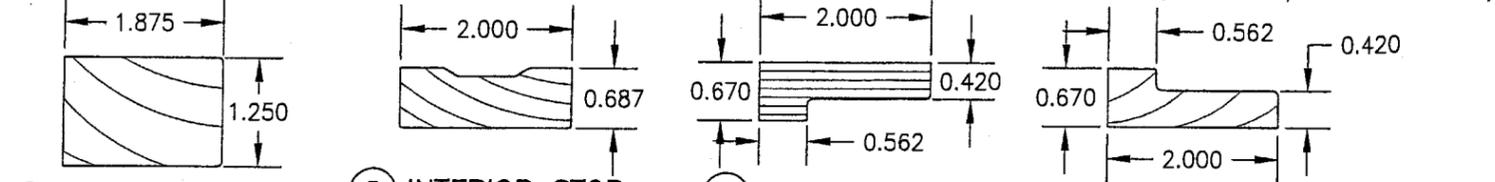
- CARDINAL SEASTORM TYPE "B" LAMINATED GLASS**  
 OPTION 1) 7/16" THICK OVERALL (3/16" AN/0.015 PVB/0.007 PET/0.075 PVB/3/16" AN)  
 OPTION 2) 9/16" THICK OVERALL (1/4" AN/0.015 PVB/0.007 PET/0.075 PVB/1/4" AN)  
 OPTION 3) 9/16" THICK OVERALL (1/4" HS/0.015 PVB/0.007 PET/0.075 PVB/1/4" HS)
- DUPONT SENTRY GLASS PLUS (SGP)**  
 OPTION 4) 9/16" THICK OVERALL (1/4" HS/0.09 SGP/1/4" HS)
- SOLUTIA SAFLEX HP LAMINATED GLASS**  
 OPTION 5) 7/16" THICK OVERALL (3/16" AN/0.10 SAFLEX HP/3/16" AN)  
 OPTION 6) 9/16" THICK OVERALL (1/4" HS/0.10 SAFLEX HP/1/4" HS)

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 05-082.3.02  
 Expiration Date January 10, 2007  
 By *[Signature]*  
 Miami Dade Product Control Division

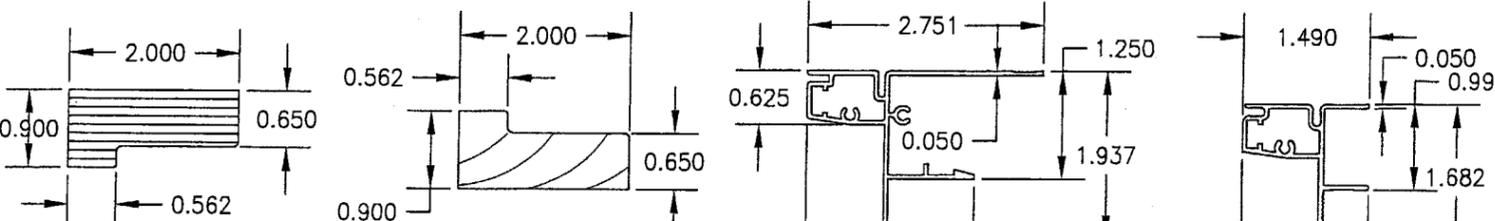
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE 10/29/02	DATE 06/30/01
REVISION DESCRIPTION	
NO. 2	ADDED SAFLEX HP GLASS
DRAWING TITLE <b>ALUMINUM CLAD WOOD DIRECT GLAZED IMPACT WINDOWS</b>	
MANUFACTURER <b>HURD WINDOWS &amp; DOORS, INC.</b> 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS <b>W. 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	
CERTIFICATION <b>JAN 18 2006</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1045</b>	REV. <b>A</b>
SHEET NO. <b>2 OF 4</b>	



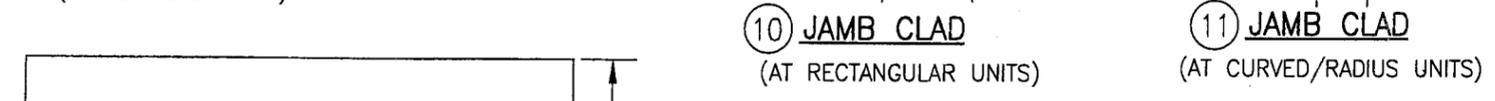
① **RECTANGULAR JAMB**      ② **RADIUS JAMB**      ③ **STRAIGHT JAMB**  
(AT CURVED/RADIUS WINDOWS)



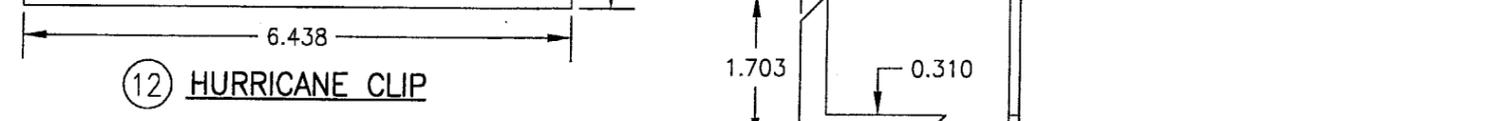
④ **JAMB EXTENDER** (AT RECTANGULAR JAMBS)      ⑤ **INTERIOR STOP** (AT RECTANGULAR UNITS)      ⑥ **INTERIOR STOP** (AT RADIUS UNITS)      ⑦ **INTERIOR STOP** (AT RADIUS UNITS)



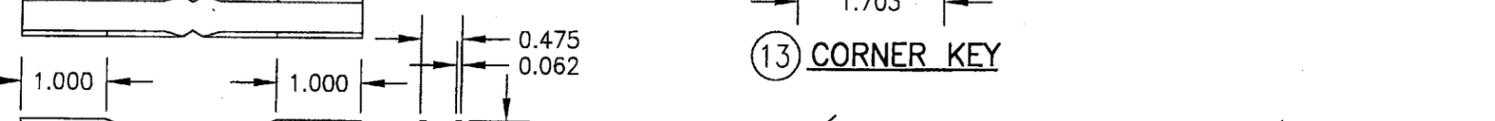
⑧ **INTERIOR STOP** (AT ELLIPTICAL UNITS)      ⑨ **INTERIOR STOP** (AT ELLIPTICAL UNITS)



⑩ **JAMB CLAD** (AT RECTANGULAR UNITS)      ⑪ **JAMB CLAD** (AT CURVED/RADIUS UNITS)



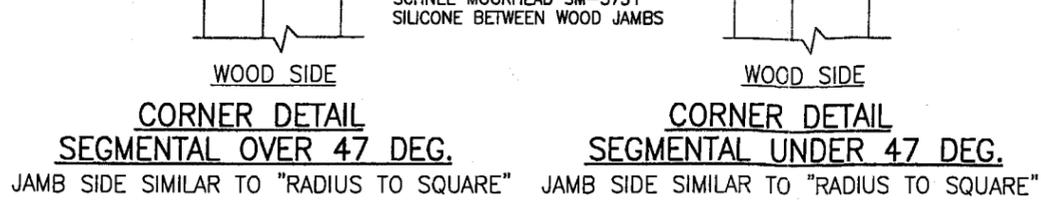
⑫ **HURRICANE CLIP**



⑬ **CORNER KEY**



⑭ **CORNER KEY**

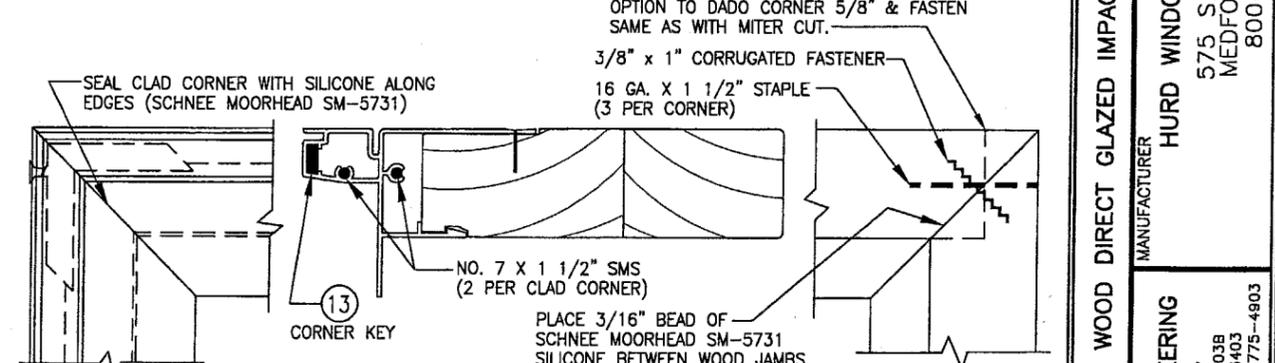


⑬ **CORNER DETAIL SEGMENTAL OVER 47 DEG.**  
JAMB SIDE SIMILAR TO "RADIUS TO SQUARE"

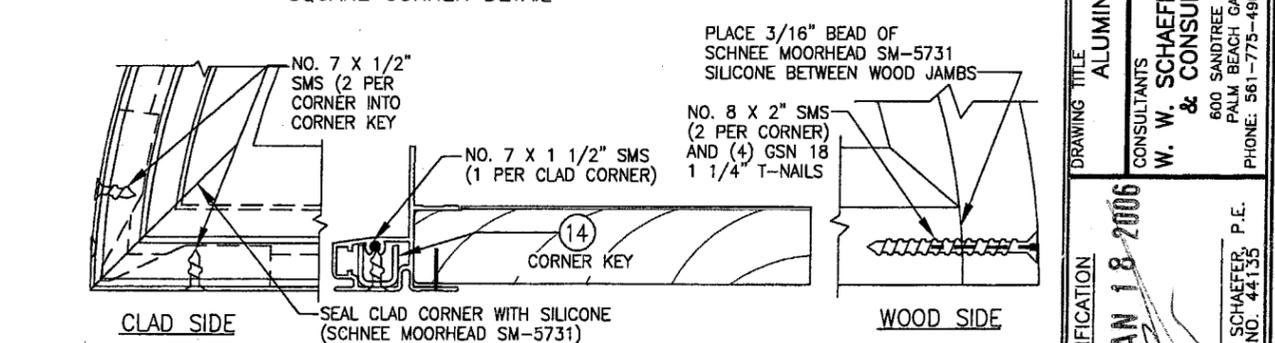
⑭ **CORNER DETAIL SEGMENTAL UNDER 47 DEG.**  
JAMB SIDE SIMILAR TO "RADIUS TO SQUARE"

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	CDS1	RECTANGULAR WINDOW JAMB	* PONDEROSA/SUGAR PINE
2	CT25	RADIUS JAMB	LVL
3	CT26	STRAIGHT JAMB AT RADIUS/CURVE WINDOWS	* PONDEROSA/SUGAR PINE
4	CDS3	JAMB EXTENDER	* PONDEROSA/SUGAR PINE
5	CDS2	INTERIOR STOP (W/RECTANGULAR JAMBS)	* PONDEROSA/SUGAR PINE
6	CT20	INTERIOR STOP (W/RADIUS JAMBS)	LVL
7	CT20	INTERIOR STOP (W/RADIUS UNITS STRAIGHT JAMB)	* PONDEROSA/SUGAR PINE
8	CT20	INTERIOR STOP (W/ELLIPTICAL JAMBS)	LVL
9	CT20	INTERIOR STOP (W/ELLIPTICAL UNITS STRAIGHT JAMBS)	* PONDEROSA/SUGAR PINE
10	CDS4	JAMB CLAD (W/RECTANGULAR JAMBS)	6063-T5 ALUMINUM
11	CT1200	JAMB CLAD (W/CURVED/RADIUS JAMBS)	6063-T5 ALUMINUM
12	-	16 GAGE (0.058" THK.) HURRICANE CLIP	STEEL (Fy = 33 ksi MIN.)
13	CDH315	CORNER KEY (W/RECTANGULAR UNITS)	6063-T5 ALUMINUM
14	CCSE1095	CORNER KEY (W/SHAPED UNITS)	6060-T5 ALUMINUM
MISCELLANEOUS FASTENERS			
15	-	1/2" LG. X 1/8" WIDE CROWN STAPLE	4" FROM CORNER & 6" O.C.
16	-	14 GA. X 1 1/4" T-NAILS	2 NAILS 1" FROM CORNER & 6" O.C.
17	-	14 GA. X 2 1/2" T-NAILS	4" FROM CORNER & 8" O.C.

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



**CORNER DETAIL: SQUARE UNIT**  
MAY OPTION TO SQUARE CUT CORNER OF WOOD JAMB & SECURE SAME AS AT THE "RADIUS TO SQUARE CORNER DETAIL"



**CORNER DETAIL: RADIUS TO SQUARE**

**PRODUCT REVIEWED**  
as complying with the Florida Building Code  
Acceptance No 05-0823-02  
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.
ALUMINUM CLAD WOOD DIRECT GLAZED IMPACT WINDOWS	
MANUFACTURER	
<b>HURD WINDOWS &amp; DOORS, INC.</b> 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
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	
CERTIFICATION	JAN 18 2006
DRAWING NO. 1045	REV. A
SHEET NO. 3	OF 4

**ALLOWABLE DESIGN PRESSURE  
(WITH CARDINAL OR SOLUTIA 7/16" ANNEALED LAMINATED GLASS)  
(GLASS OPTION 1 OR 5)**

(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	80.0	77.8	69.7
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	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	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	80.0	80.0		
48"																	
54"																	
(1) LONG DIMENSION	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"			

**ALLOWABLE DESIGN PRESSURE  
(WITH DUPONT OR SOLUTIA 9/16" HEAT STRENGTHENED LAMINATED GLASS)  
(GLASS OPTION 4 OR 6)**

(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	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	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	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	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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
66"																	
72"																	
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"						

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

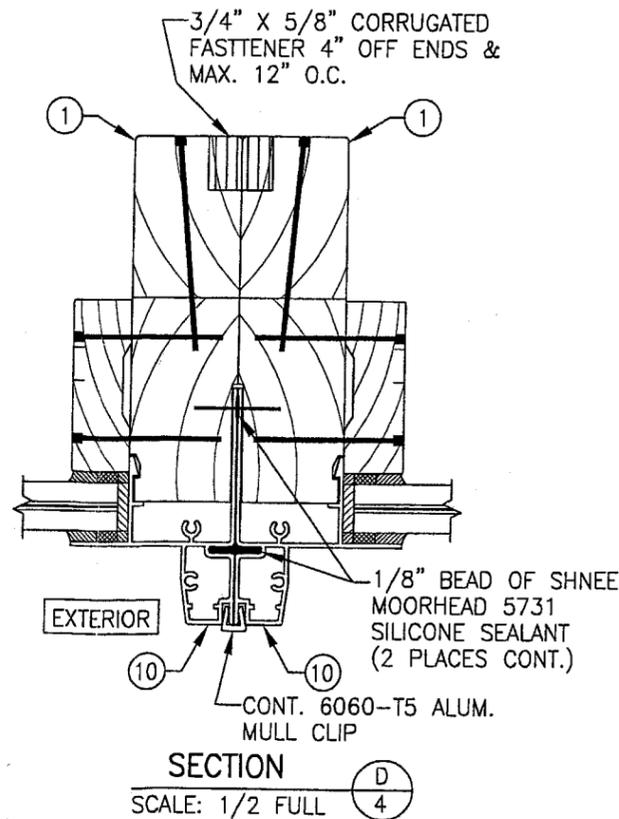
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)																
30"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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	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	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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
66"																	
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"						

**ALLOWABLE DESIGN PRESSURE  
(WITH CARDINAL 9/16" HEAT STRENGTHENED LAMINATED GLASS)  
(GLASS OPTION 3)**

(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	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	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	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	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	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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
66"																	
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	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. 05-0823-02  
Expiration Date January 10, 2007  
By *[Signature]*  
Miami Dade Product Control  
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 08/30/01	
NO.	REVISION DESCRIPTION	DATE	BY
2	ADDED SAFEX HP GLASS	10/29/02	W.W.S.
3	ADDED MULL X-SECTION	10/29/02	W.W.S.
DRAWING TITLE: ALUMINUM CLAD WOOD DIRECT GLAZED IMPACT WINDOW			
CONSULTANTS: HURD WINDOWS & DOORS, INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873			
CERTIFICATION: JAN 18 2006			
DRAWING NO. 1045			
SHEET NO. 4 OF 4			