



**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, dated 6/30/01 last revised on Jan 18, 2006, 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**

**Limitation:** Muller units limited to max. 72" span X 48" tributary width and max Design Pressure = +65/-70 psf

**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 **renews NOA # 05-0823.02** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No 06-1121.02  
Expiration Date: January 10, 2012  
Approval Date: January 04, 2007  
Page 1**

*J*  
*12/11/12*

**Hurd Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # 05-0823.02)
1. Manufacturer's die drawings and sections.
  2. Drawing No. **1045**, titled "Aluminum Clad Wood Direct Glazed Impact Windows", sheets 1 thru 4 of 4, dated 6/30/01 last revised on Jan 18, 2006, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed & sealed by Warren W. Schaefer, P.E.
- B. TESTS** (transferred from file # 05-0823.02)
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 and Test Report No(s) **CTLA-899WD, specimen # 3A, 8A, 4A, 7B & 8B** dated 05/08/02 thru 05/08/02, both signed and sealed by Ramesh Patel, P. E.
- C. CALCULATIONS**
1. Anchor verification calculations complying FBC 2004, dated 01/18/06, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.
  2. Glazing complies w/ ASTME-1300-98 & -02
- 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. **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. Letter of sales of assets of Hurd Millwork Company sold to Hurd Windows & Doors Inc., signed by Thomas W. Mellars.
  2. Statement letter of conformance and "No financial interest", dated July 29, 2005, signed by Warren W. Schaefer, P.E.
  3. Statement letter of Lab compliance, part of the above reports, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P. E.
- G. OTHER**
1. This NOA **renews # 05-0823.02** expiring January 10, 2007.
  2. Previous associated NOA(s) # **02-1120.05** and # **01-1012.02**
  3. Bill of sale dated Dec. 03, 2004 between Hurd Millwork Company and Hurd Windows & Doors Inc.

*Ishaq I. Chanda*

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 05-0823.02

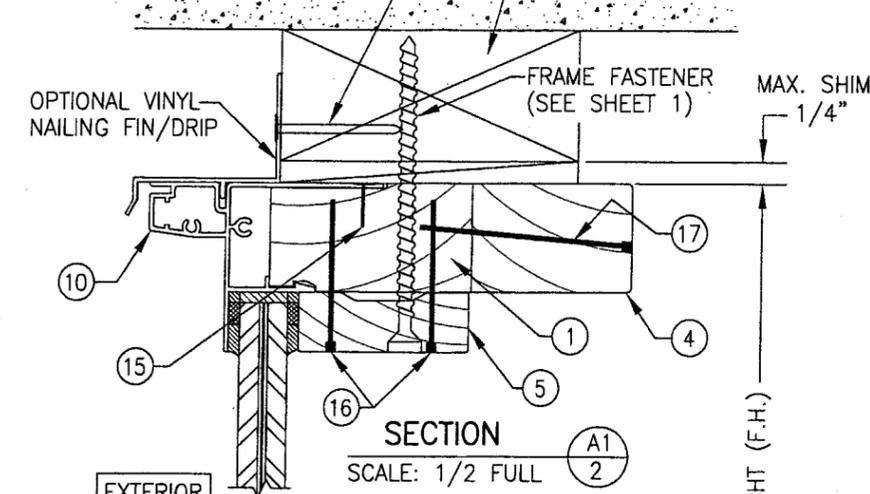
Expiration Date: January 10, 2012

Approval Date: January 04, 2006



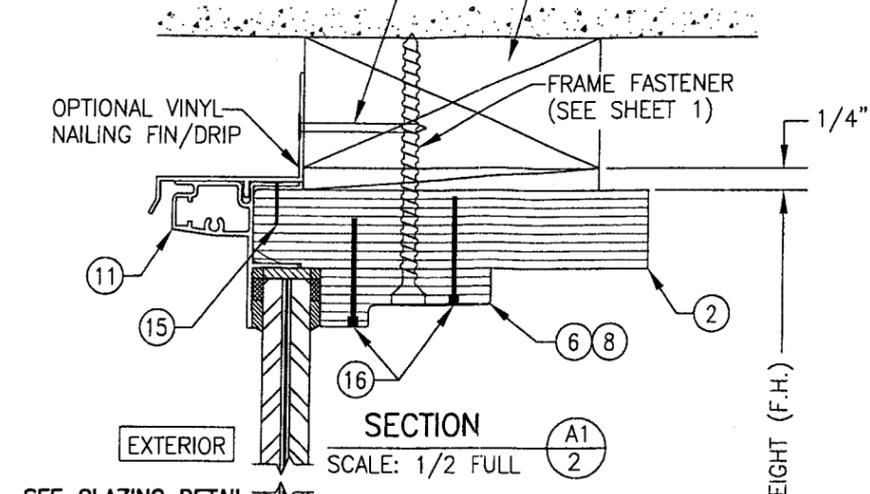
ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (IN ADDITION TO FRAME FASTENERS)

BUCK & BUCK ATTACHMENT BY OTHERS



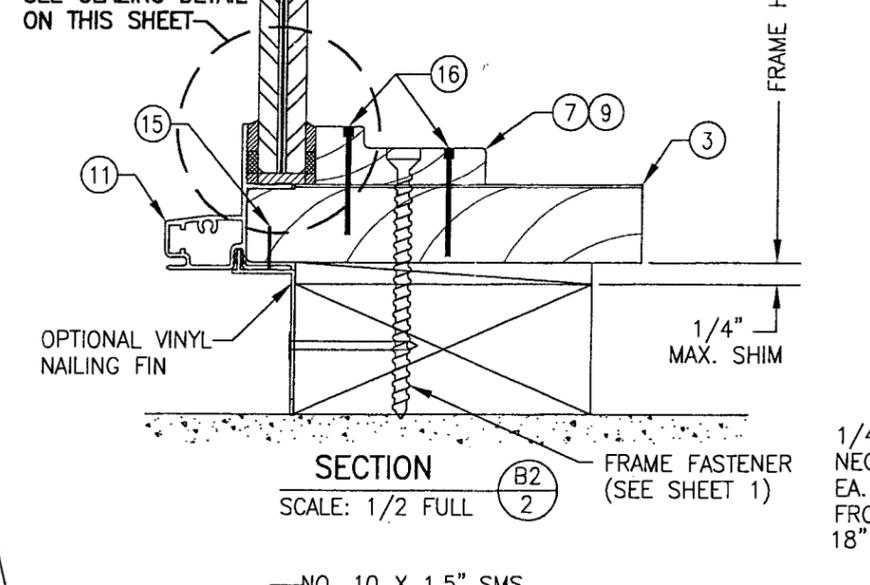
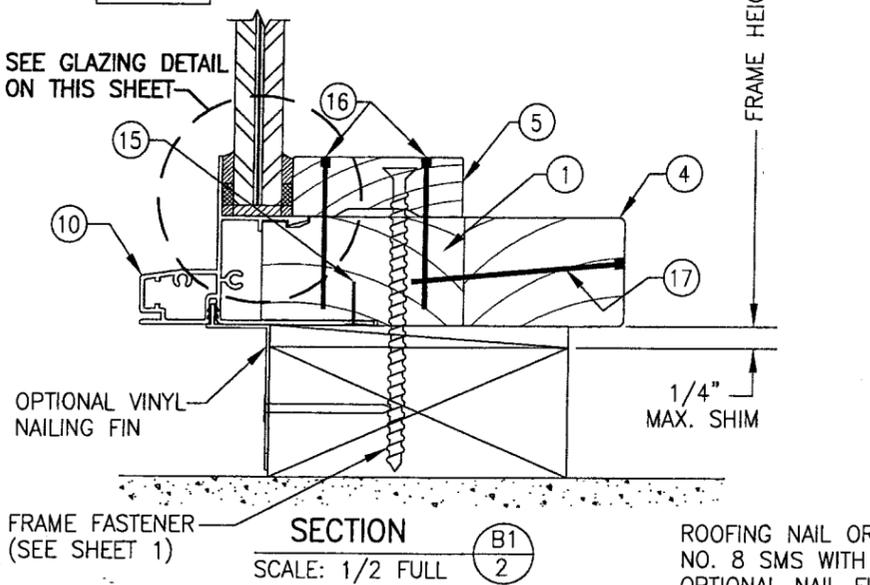
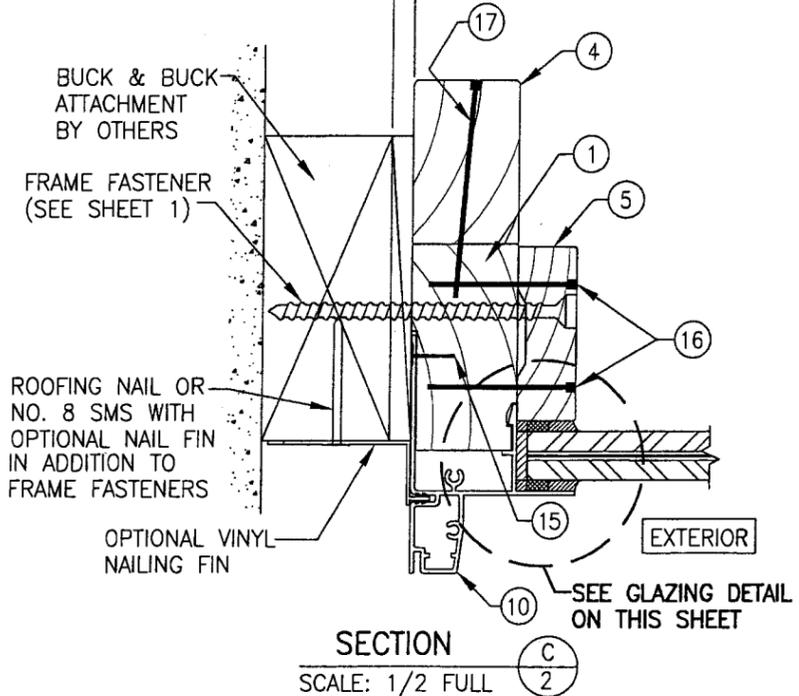
ROOFING NAIL OR NO. 8 SMS WITH OPTIONAL NAIL FIN (IN ADDITION TO FRAME FASTENERS)

BUCK & BUCK ATTACHMENT BY OTHERS

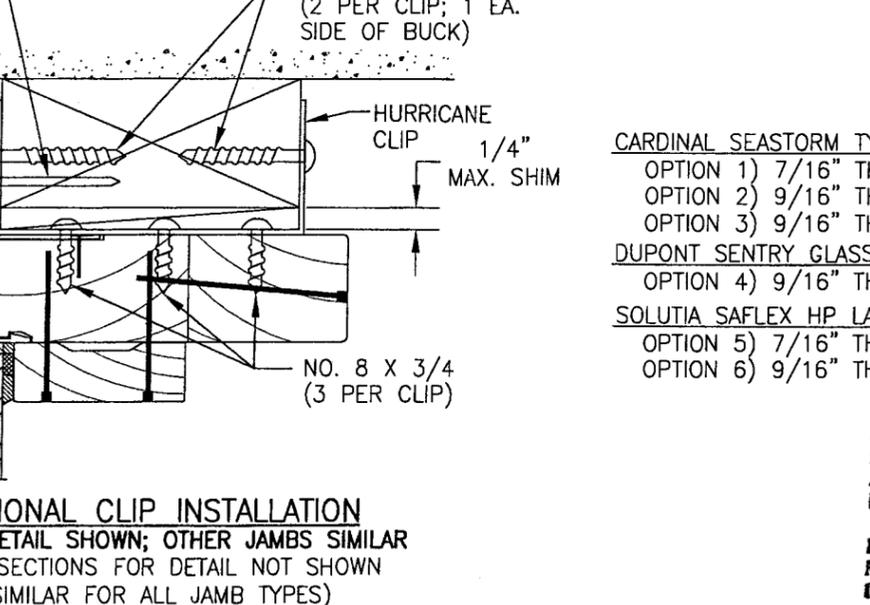
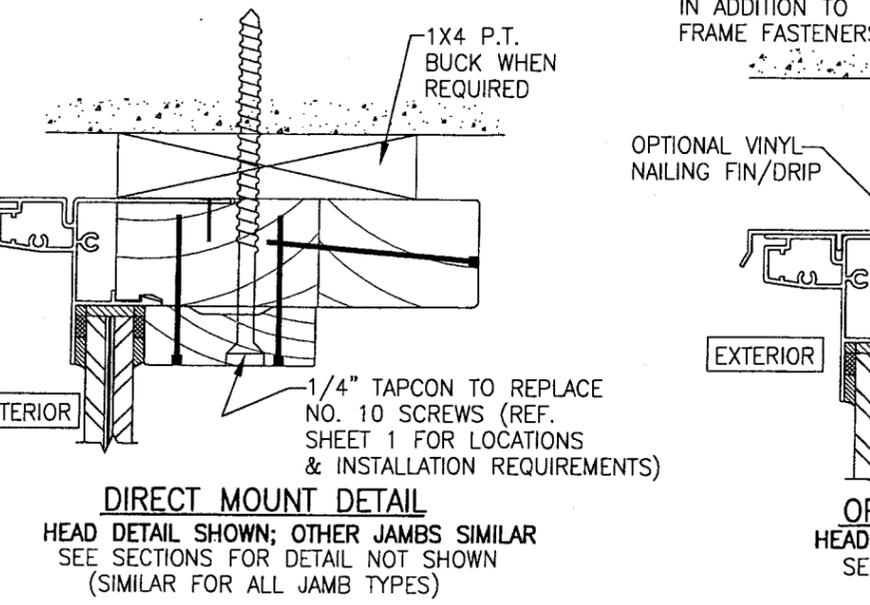
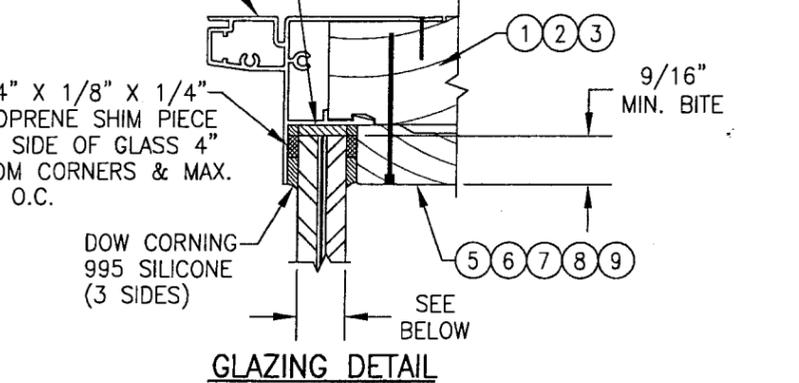


1/4" MAX. SHIM

FRAME WIDTH (F.W.)



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



- 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)

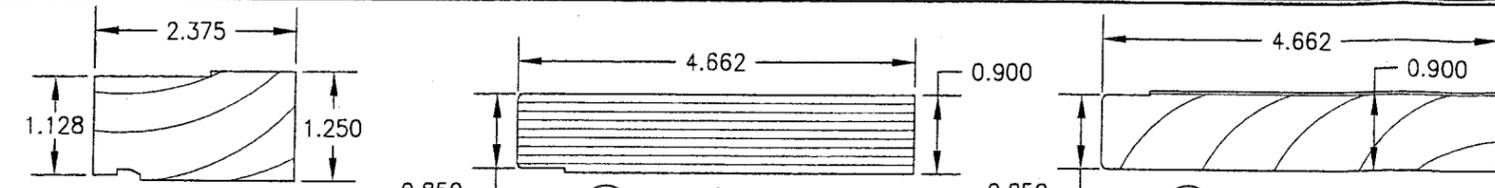
**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 06-1121-02  
Expiration Date: JAN 16, 2012

By: *Cheryl L. Chaudh*  
Miami Dade Product Control Division

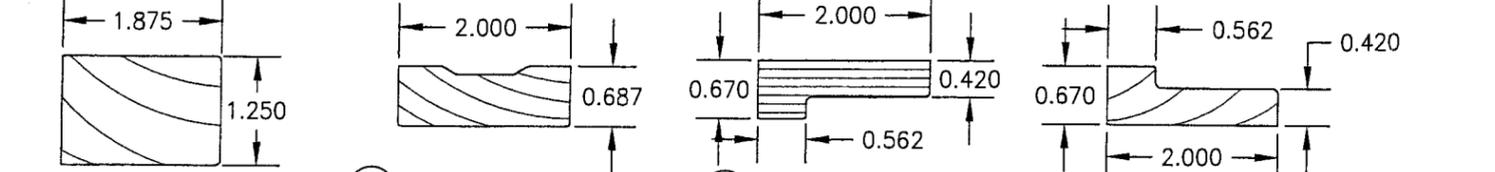
**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 05-0823-02  
Expiration Date: JANUARY 10, 2007

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

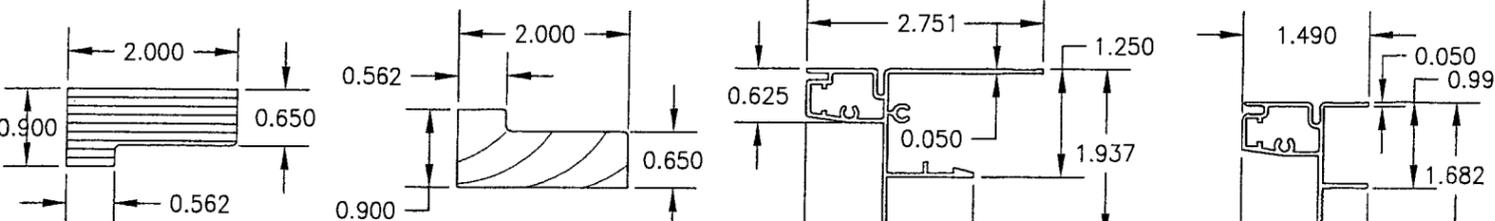
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 06/30/01	
DATE	BY	W.W.S.	
10/29/02			
REVISION DESCRIPTION	NO.	DATE	
ADDED SAFLEX HP GLASS	2		
DRAWING TITLE: ALUMINUM CLAD WOOD DIRECT GLAZED IMPACT WINDOWS			
MANUFACTURER: HURD WINDOWS & DOORS, INC.			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
575 S. WHELEN AVE. MEDFORD, WI 54451			
800-433-4873			
PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION	JAN 18 2006	REV.	A
DRAWING NO. 1045		SHEET NO. 4	
2		OF 4	



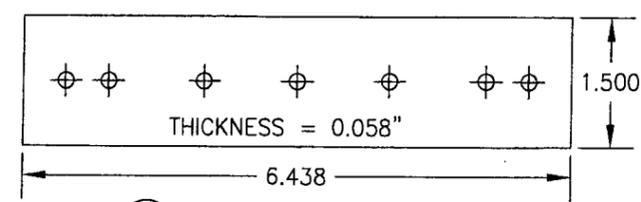
① **RECTANGULAR JAMB**      ② **RADIUS JAMB**      ③ **STRAIGHT JAMB**  
(AT CURVED/RADIUS WINDOWS)



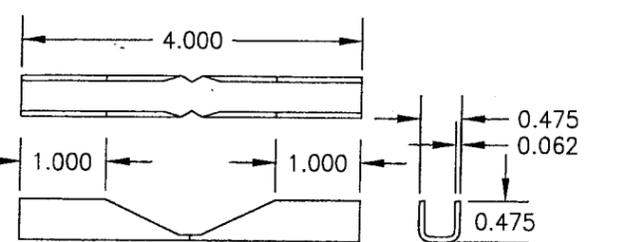
④ **JAMB EXTENDER** (AT RECTANGULAR JAMBS)      ⑤ **INTERIOR STOP** (AT RECTANGULAR UNITS)      ⑥ **INTERIOR STOP** (AT RADIUS UNITS)      ⑦ **INTERIOR STOP** (AT RADIUS UNITS)



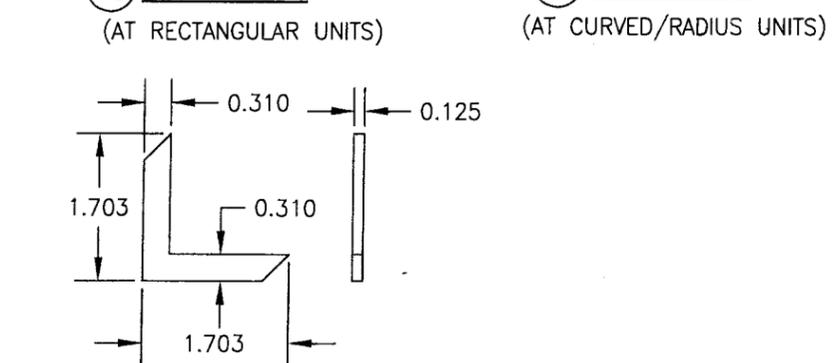
⑧ **INTERIOR STOP** (AT ELLIPTICAL UNITS)      ⑨ **INTERIOR STOP** (AT ELLIPTICAL UNITS)      ⑩ **JAMB CLAD** (AT RECTANGULAR UNITS)      ⑪ **JAMB CLAD** (AT CURVED/RADIUS UNITS)



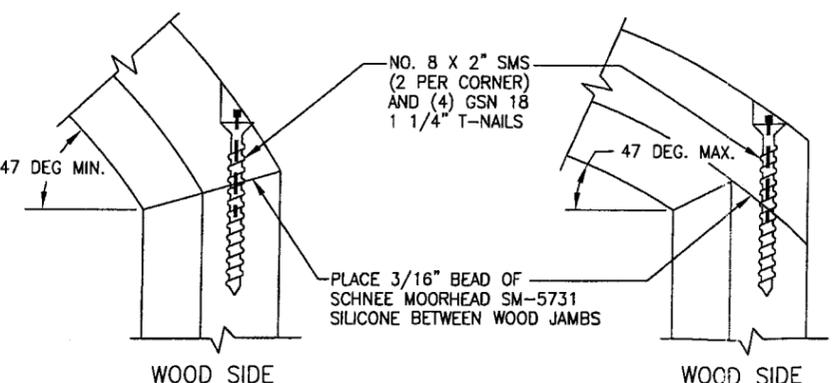
⑫ **HURRICANE CLIP**



⑬ **CORNER KEY**



⑭ **CORNER KEY**

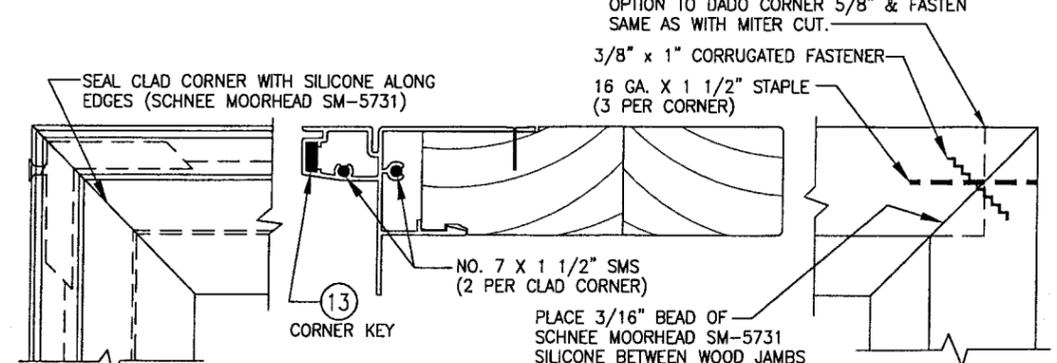


**CORNER DETAIL SEGMENTAL OVER 47 DEG.**  
JAMB SIDE SIMILAR TO "RADIUS TO SQUARE"

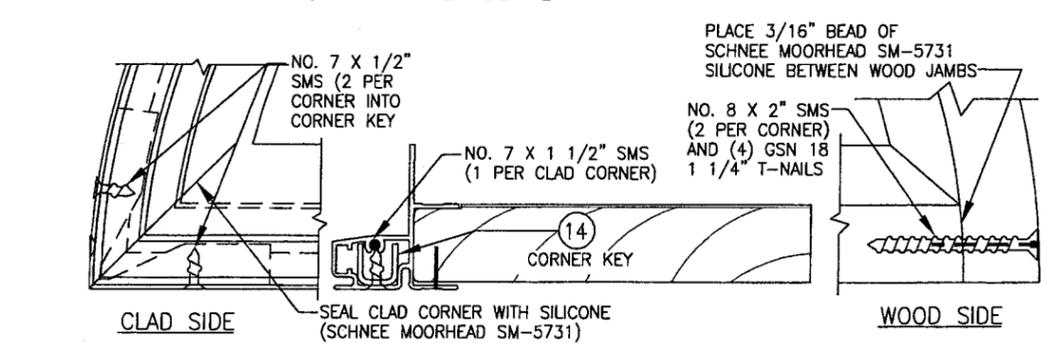
**CORNER DETAIL SEGMENTAL UNDER 47 DEG.**  
JAMB SIDE SIMILAR TO "RADIUS TO SQUARE"

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 RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 06-1121.02  
Expiration Date JAN 16, 2012  
By [Signature] Lluanda  
Miami Dade Product Control Division

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

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE	DATE
NO.	REVISION DESCRIPTION
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.	REV.
1045	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	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		
36"	80.0	80.0	80.0	80.0	76.4	73.7	71.4	69.5	62.7	66.0					
42"	80.0	80.0	78.0	72.2	67.1	63.0	59.3	56.5							
48"		77.4	70.5	64.4	58.9	54.0									
54"			62.6	57.2											
(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
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	
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		
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			
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			
66"		72.7	72.7	72.7	72.7										
72"			N/A	66.7	66.7										
(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)**

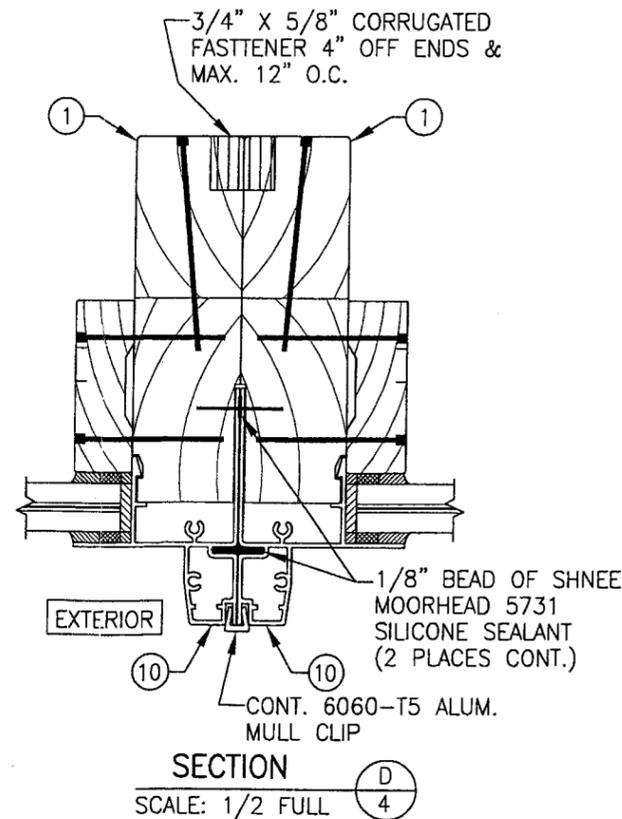
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)														
30"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0		
42"	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0						
48"	80.0	80.0	80.0	80.0	76.7	72.5	68.5								
54"	80.0	80.0	77.2	70.2	64.1										
60"	80.0	74.4	67.7												
66"		66.3													
(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
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		
48"	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										
60"	80.0	80.0	80.0												
66"		72.7													
(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 RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-1121-02  
Expiration Date JAN 10, 2012  
By Isaac I. Chaudh  
Miami Dade Product Control  
Division

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 05-0823-02  
Expiration Date JANUARY 10, 2007  
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	
NO.	REVISION DESCRIPTION	BY	DATE
2	ADDED SAFEX HP GLASS	W.W.S.	10/29/02
3	ADDED MULL X-SECTION	W.W.S.	10/29/02
DRAWING TITLE: ALUMINUM CLAD WOOD DIRECT GLAZED 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: <u>JAN 18 2006</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1045		REV. A	
SHEET NO. 4 OF 4			