



**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.buldingcodeonline.com**

**NOTICE OF ACCEPTANCE (NOA)**

**C. P. Loewen Enterprises  
77 P.T.H. 52 West, Box 2260  
Steinbach, Manitoba, Canada R2G 1B2**

**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: "Direct Glazed" Aluminum Clad Wood Fixed Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1094, titled "Aluminum Clad Wood Impact Picture Windows (Direct Glazed)", sheets 1 through 3 of 3, dated 01/28/01 with revision #A1 dated 08/02/05, 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", 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 # 05-0909.01 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 Perez, P.E.**



**NOA No 07-0130.22  
Expiration Date: June 20, 2012  
Approval Date: March 22, 2007  
Page 1**

**C. P. Loewen Enterprises**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

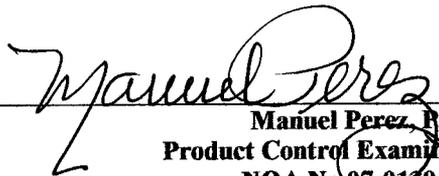
1. Notice of Acceptance No. **06-1205.10** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ® Plus" dated 02/15/07, expiring on 01/14/08.

**F. STATEMENTS**

1. Statement letter of conformance, dated January 22, 2007, signed and sealed by Warren W. Schaefer, P.E.

**G. OTHER**

1. Notice of Acceptance No. **05-0909.01**, issued to C. P. Loewen Enterprises for their Aluminum Clad Wood Impact Picture Windows (Direct Glazed), approved on 03/30/06 and expiring on 06/20/07.



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**Manuel Perez, P.E.**

**Product Control Examiner**

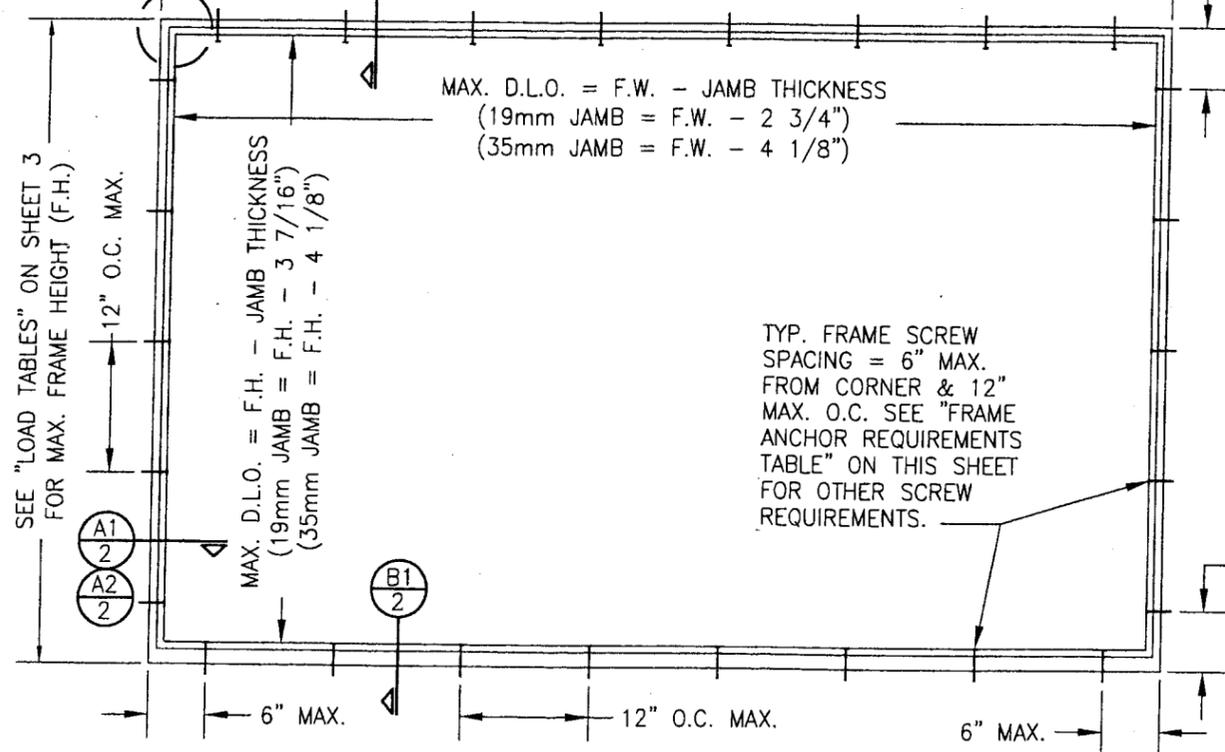
**NOA No 07-0130.22**

**Expiration Date: June 20, 2012**

**Approval Date: March 22, 2007**

SEE "CORNER CONSTRUCTION REQUIREMENTS" ON SHEET 2

SEE "LOAD TABLES" ON SHEET 3 FOR MAX. FRAME WIDTH (F.W.)

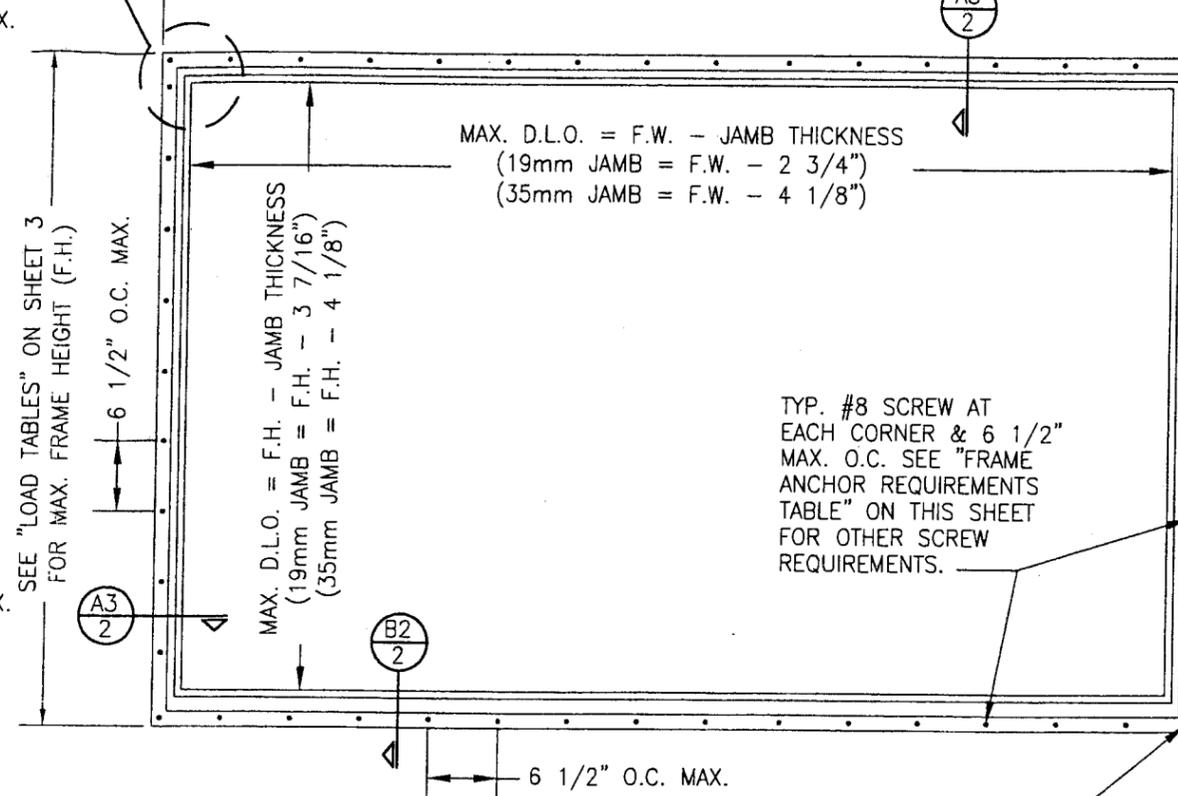


EXTERIOR ELEVATION; RECTANGULAR WINDOW (SHEAR SCREW MOUNT)

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

SEE "CORNER CONSTRUCTION REQUIREMENTS" ON SHEET 2

SEE "LOAD TABLES" ON SHEET 3 FOR MAX. FRAME WIDTH (F.W.)



EXTERIOR ELEVATION; RECTANGULAR WINDOW (OPTIONAL NAIL FIN MOUNT)

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

START ALL FIN SCREWS DIRECTLY AT CORNERS

FOR ALLOWABLE DESIGN WIND PRESSURE ON WINDOWS, SEE LOAD TABLES ON SHEET 3.

FRAME ANCHOR REQUIREMENTS TABLE

* SHEAR SCREWS			
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"	3/4"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREWS	1 1/4"	1 7/8"
FIN SCREWS			
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 3/8"	1/2"

(1) CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER. (HARDENED STEEL OR S.S.)

\*ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED THROUGH JAMB TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN ANCHORED WITH NAIL FIN INTO 2X4 BUCK, NO. 8 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 07-0130.22 Expiration Date: JUNE 20, 2012  
By: *Warren W. Schaefer*  
Miami Dade Product Control Division

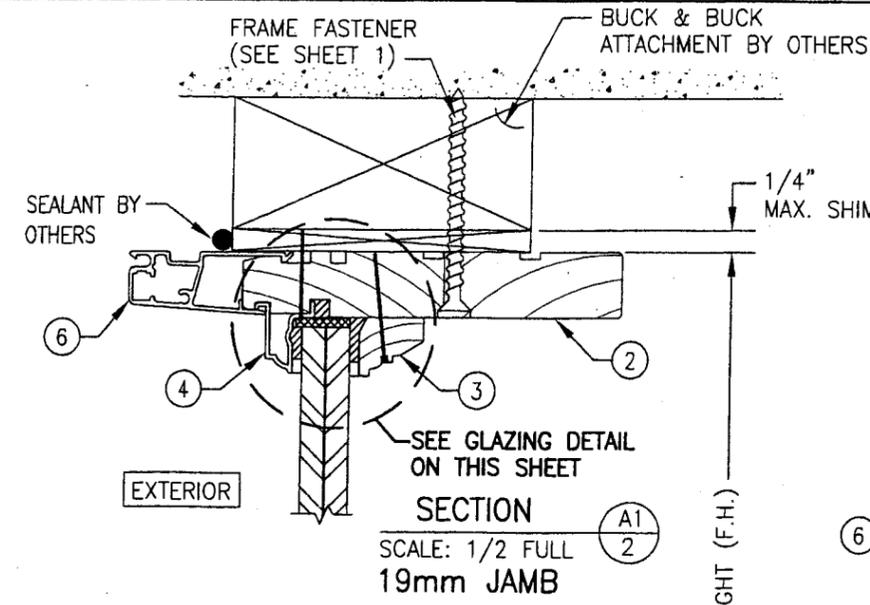
PRODUCT REVISION as complying with the Florida Building Code Acceptance No. 05-0909.01 Expiration Date: 06/20/10  
By: *Warren W. Schaefer*  
Miami Dade Product Control Division

GENERAL NOTES

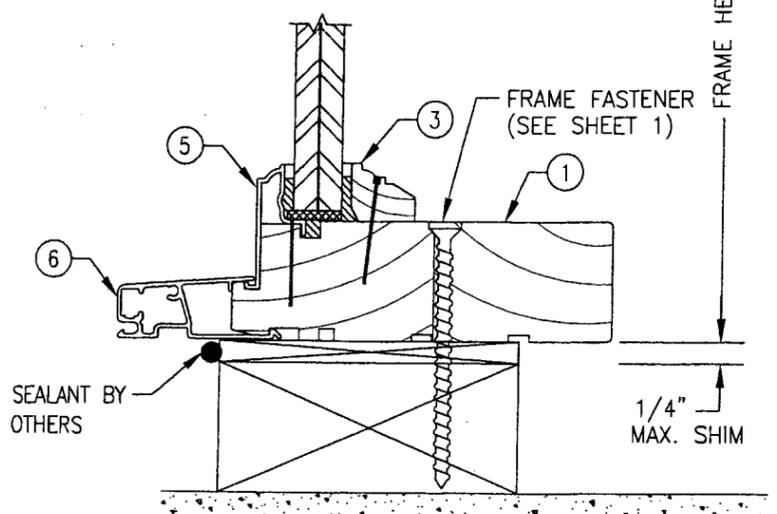
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL 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 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. 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.

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 01/28/01	
DATE	BY	REVISION DESCRIPTION	
08/02/03	WWS	A1 UPDATE TO 2004 CODE COMPLIANCE	
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT PICTURE WINDOWS (DIRECT GLAZED)			
MANUFACTURER: C.P. LOEWEN ENTERPRISES			
77 P.T.H 52 WEST, BOX 2260			
STEINBACH, MB CANADA ROA 2A0			
204-326-6446			
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			
DRAWING NO. 1094		REV. A	
SHEET NO. 1 OF 3			

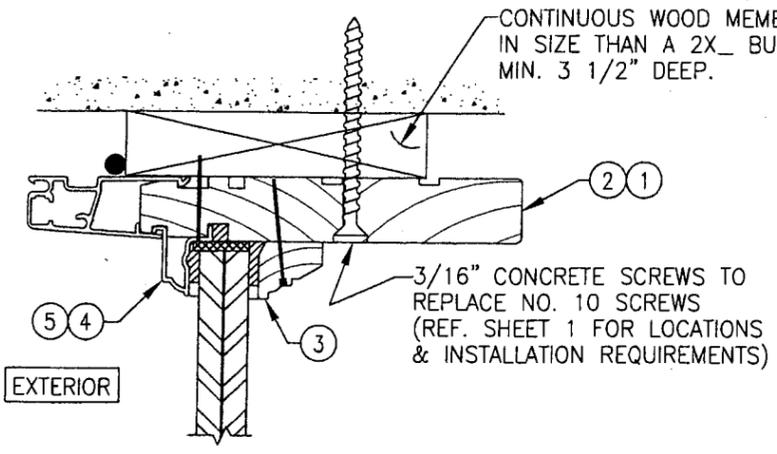
CERTIFICATION  
JAN 18 2006  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135



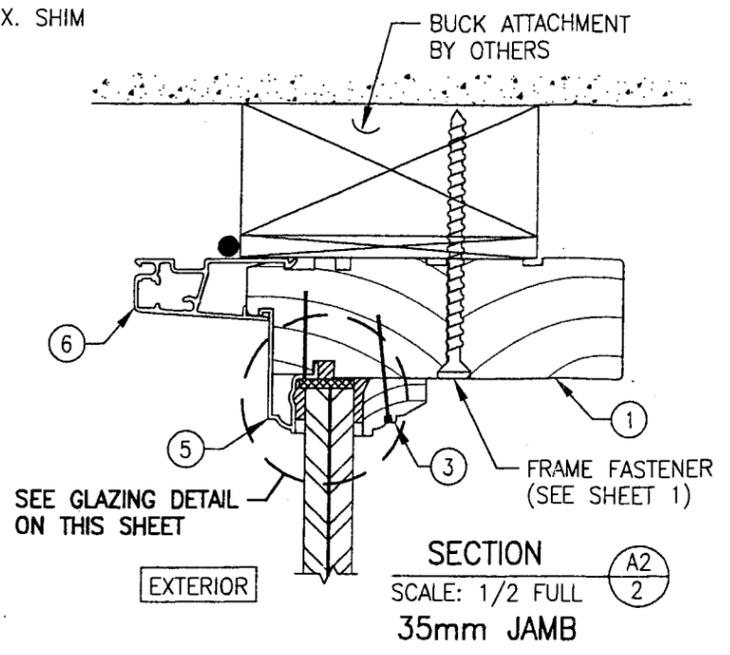
SECTION A1  
SCALE: 1/2 FULL  
19mm JAMB



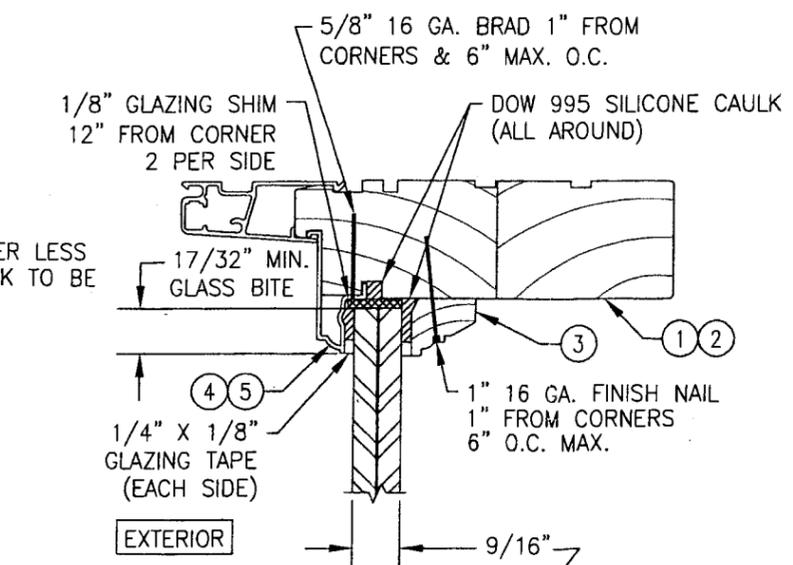
SECTION B1  
SCALE: 1/2 FULL



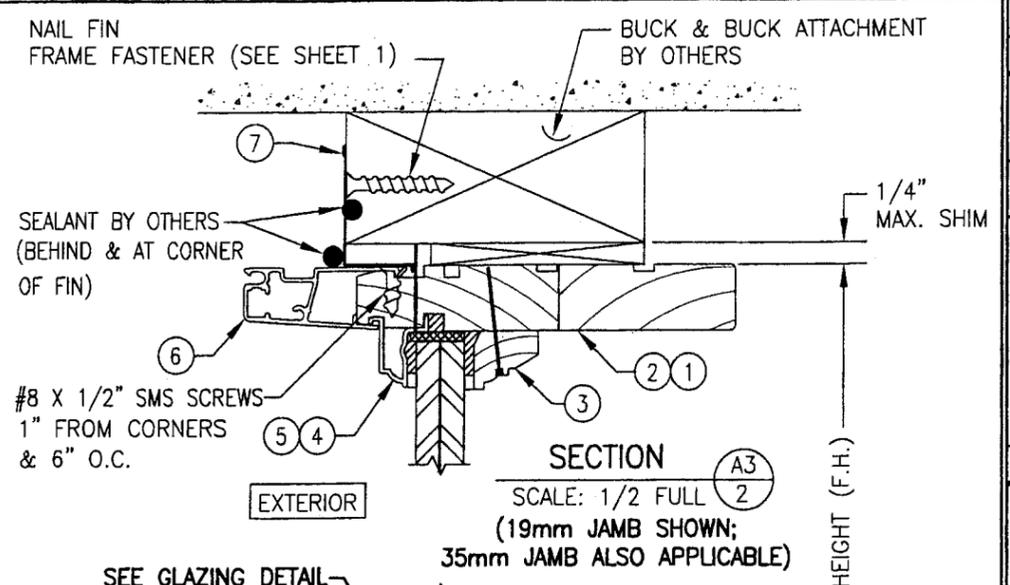
DIRECT MOUNT DETAIL  
THIN JAMB DETAIL SHOWN; THICK JAMB SIMILAR  
SEE SECTIONS FOR DETAIL NOT SHOWN



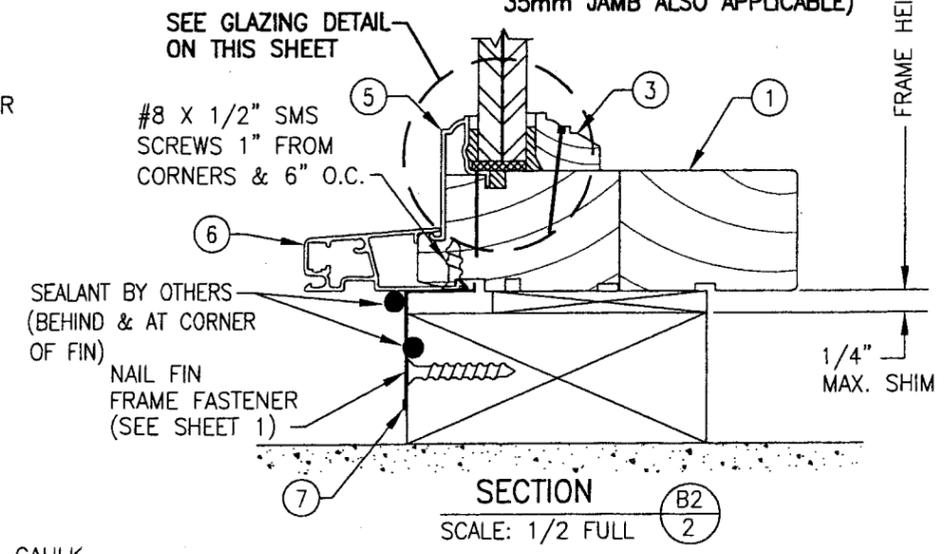
SECTION A2  
SCALE: 1/2 FULL  
35mm JAMB



GLAZING DETAIL  
DUPONT SGP LAMINATED GLASS  
OPTION 1) 9/16" THICK OVERALL (1/4" HEAT STRENGTHENED/  
0.090 SGP/1/4" HEAT STRENGTHENED)  
OPTION 2) 9/16" THICK OVERALL (1/4" ANNEALED/  
0.090 SGP/1/4" ANNEALED)



SECTION A3  
SCALE: 1/2 FULL  
(19mm JAMB SHOWN;  
35mm JAMB ALSO APPLICABLE)



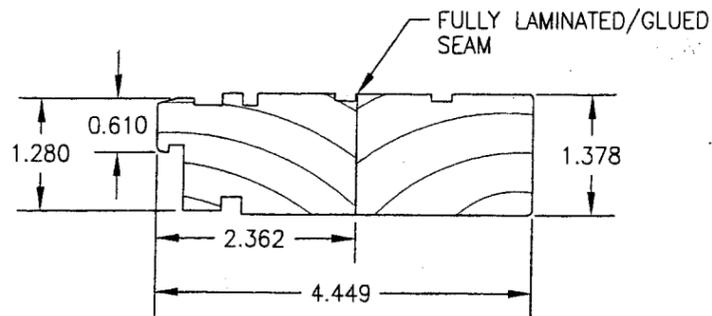
SECTION B2  
SCALE: 1/2 FULL

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 07-0130.22  
Expiration Date: JUNE 20, 2012  
By: *Manuel Dery*  
Miami Dade Product Control  
Division

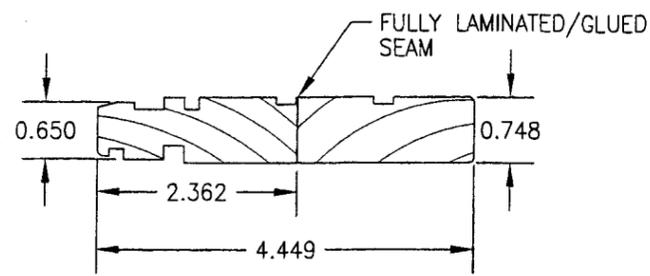
**PRODUCT-REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 05-0909.01  
Expiration Date: 06/20/07  
By: *Warren W. Schaefer*  
Miami Dade Product Control  
Division

**CORNER CONSTRUCTION:**  
JAMB: WOOD MEMBERS ARE COPED, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING THREE (3) 1 3/4" 16 GA. STAPLES VERTICALLY AND TWO (2) 1 3/4" 16 GA. STAPLES HORIZONTALLY. SCHNEE-MOREHEAD SM7100 CAULK IS APPLIED TO THE SEAM PRIOR TO JOINING THE WOOD MEMBERS. THE CLAD IS MITERED, GASKETED WITH A CLOSED CELL FOAM 1/16" THICK THEN BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE (1) #6 X 1 1/2" S.M.S. SCREW PER CORNER. TREMFLEX 834 IS THEN APPLIED TO THE CLAD SEAM.

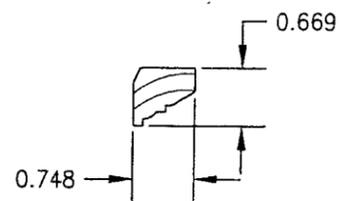
DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/28/01
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT PICTURE WINDOWS (DIRECT GLAZED)	
MANUFACTURER C.P. LOEWEN ENTERPRISES 77 P.T.H 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446	
CONSULTANTS W. W. SCHAEFER 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. 1094 REV. A SHEET NO. 2 OF 3



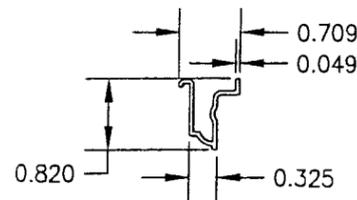
① 35mm JAMB/STD. SILL



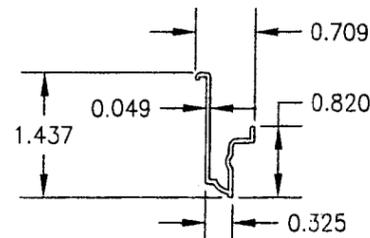
② 19mm HEAD/SIDE JAMB



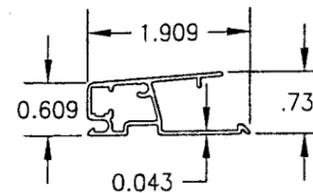
③ INT GLAZING STOP



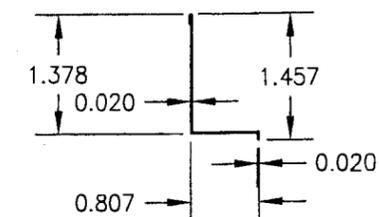
④ 19mm EXT. GLAZING STOP



⑤ 35mm EXT. GLAZING STOP



⑥ FRAME CLADDING



⑦ NAILING FIN

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	3800/3818/3820	35mm JAMB/STANDARD SILL	DOUGLAS FIR
2	3804/3802	19mm HEAD/SIDE JAMB	DOUGLAS FIR
3	3816	INTERIOR GLAZING STOP	DOUGLAS FIR
4	3874/3872	EXTERIOR GLAZING STOP (19mm JAMB)	6060-T5 ALUMINUM
5	3876/3878/3870	EXTERIOR GLAZING STOP (35mm JAMB)	6060-T5 ALUMINUM
6	4390	FRAME CLADDING	6060-T5 ALUMINUM
7	4940	APPLIED NAILING FIN	STEEL (Fy = 50 ksi MIN.)

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

NOTE: ALL WOOD IS RECEIVED BY LOEWEN WINDOWS AS GRADE 2, BUT IS MACHINED BY LOEWEN TO A SELECT GRADE USE.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 07-0130.22  
Expiration Date JUNE 20/2007  
By *Manuel Jere*  
Miami Dade Product Control Division

**PRODUCT-REVISED**  
as complying with the Florida Building Code  
Acceptance No. 05-0909.01  
Expiration Date 06/20/07  
By *John Jere*  
Miami Dade Product Control Division

ALLOWABLE DESIGN PRESSURE (WITH CARDINAL 9/16" HEAT STRENGTHENED LAMINATED GLASS)											
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)										
36"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0			
54"	70.0	70.0	70.0	70.0	70.0	70.0	70.0				
59"	70.0	70.0	70.0	70.0	70.0	70.0	70.0				
66"		62.6	62.6	62.6	62.6						
72"			57.4	57.4							
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	95"	108"	120"	132"	144"

ALLOWABLE DESIGN PRESSURE (WITH CARDINAL 9/16" ANNEALED LAMINATED GLASS)											
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)										
36"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.4
48"	70.0	70.0	70.0	70.0	70.0	70.0	69.4	66.7	59.9		
54"	70.0	70.0	70.0	67.2	61.8	58.4	55.5				
59"	70.0	70.0	66.8	60.5	56.4	52.9	49.9				
66"		61.2	59.0	55.0	50.4						
72"			54.1	49.7							
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	95"	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.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 1-2	DATE: 01/29/02
NO.	REVISION DESCRIPTION
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT PICTURE WINDOWS (DIRECT GLAZED)	
MANUFACTURER: C.P. LOEWEN ENTERPRISES 77 P.T.H. 52 WEST, BOX 2260 STEINBACH, MB CANADA ROA 2A0 204-326-6446	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. 1094 REV. A SHEET NO. 3 OF 3