



MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING  
 140 WEST FLAGLER STREET, SUITE 1603  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2901 FAX (305) 372-6339

BUILDING CODE COMPLIANCE OFFICE (BCCO)  
 PRODUCT CONTROL DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

Lüxbau, LLC  
 2400 Centrepark West Dr.  
 Suite # 150  
 West Palm Beach, FL 33409

**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:** Series "Lüxbaum Windows & Doors Single" Wood Casement Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 1189, titled "Lüxbaum Windows & Doors Wooden Single Casement Window System", sheets 1 through 4 of 4 with revision A1 dated 04/11/2008, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/11/2008, 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.

**REVISION** 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 # 03-0326.03 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.**



*J. Gascon*  
 4/16/08

NOA No. 08-0206.10  
 Expiration Date: May 29, 2013  
 Approval Date: May 08, 2008  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **1189**, titled "Lüxbaum Windows & Doors Wooden Single Casement Window System", sheets 1 through 4 of 4 with revision A1 dated 04/11/2008, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/11/2008, 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 Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of a wood casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0271-1204-02** dated 1/29/2003, signed and sealed by Vinu J. Abraham, P.E.

**"Submitted under NOA# 03-0326.03"**

2. Test reports on:
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of a wood casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0271-0836-02** dated 08/28/1002, signed and sealed by Vinu J. Abraham, P.E.

**"Submitted under NOA# 03-0326.03"**

3. Test reports on:
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of a wood casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0271-0717-02** dated 07/24/1002, signed and sealed by Vinu J. Abraham, P.E.

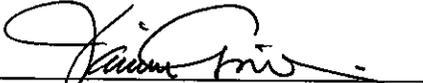
**"Submitted under NOA# 03-0326.03"**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 01/14/2002, with the latest revision, dated 02/26/2008, signed and sealed by Warren W. Schaefer, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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



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Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No. 08-0206.10  
Expiration Date: May 29, 2013  
Approval Date: May 08, 2008

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

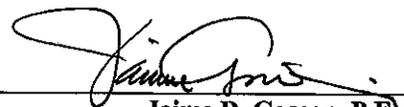
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & CO., Inc. for "**DuPont Sentry Glass Plus**" dated January 03, 2008, expiring on January 14, 2012.

**F. STATEMENTS**

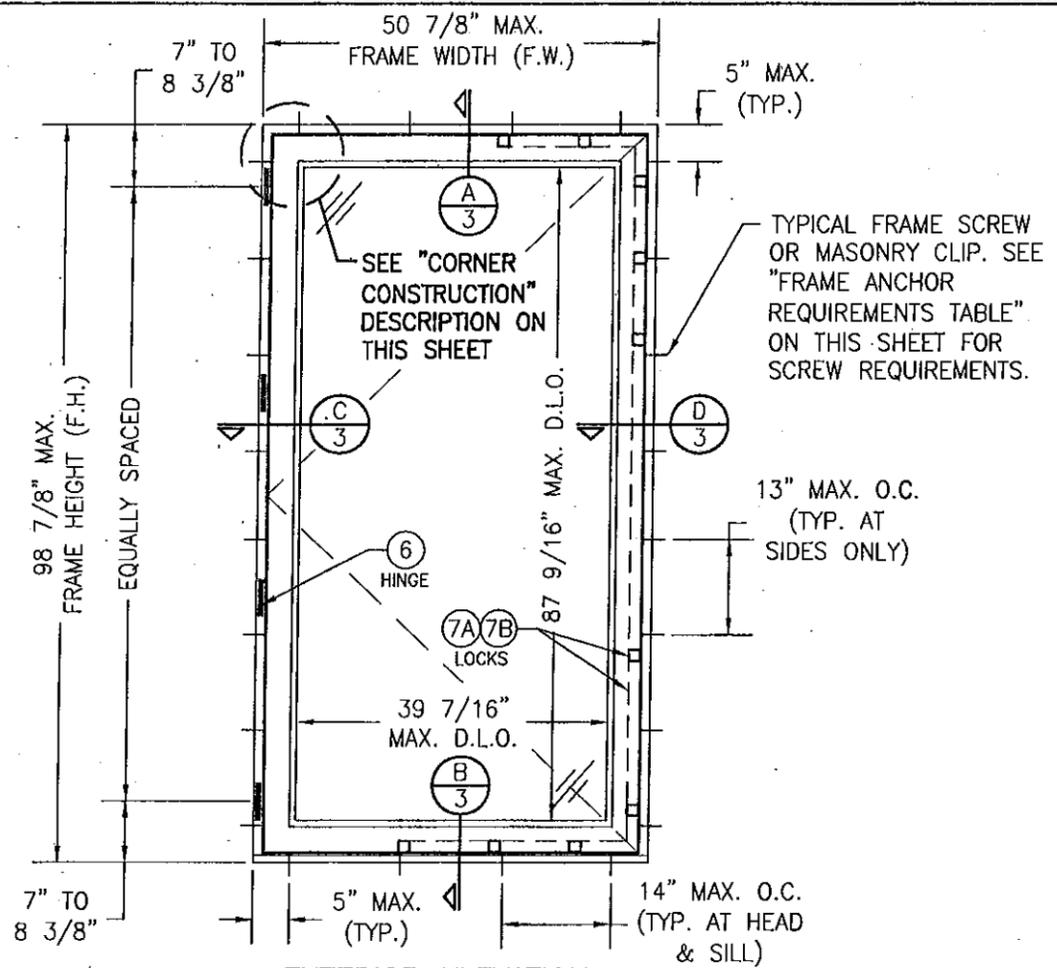
1. Statement letter of independence, conformance and no financial interest, dated February 27, 2008, signed and sealed by Warren W. Schaefer, P.E.
2. Laboratory compliance letter for Test Report no. **HTL-0271-0717-02, 0271-0836-02 and 0271-1204-02**, issued by Hurricane Test Laboratory, Inc., dated February 28, 2003, signed and sealed by Vinu J. Abraham, P.E.

**G. OTHER**

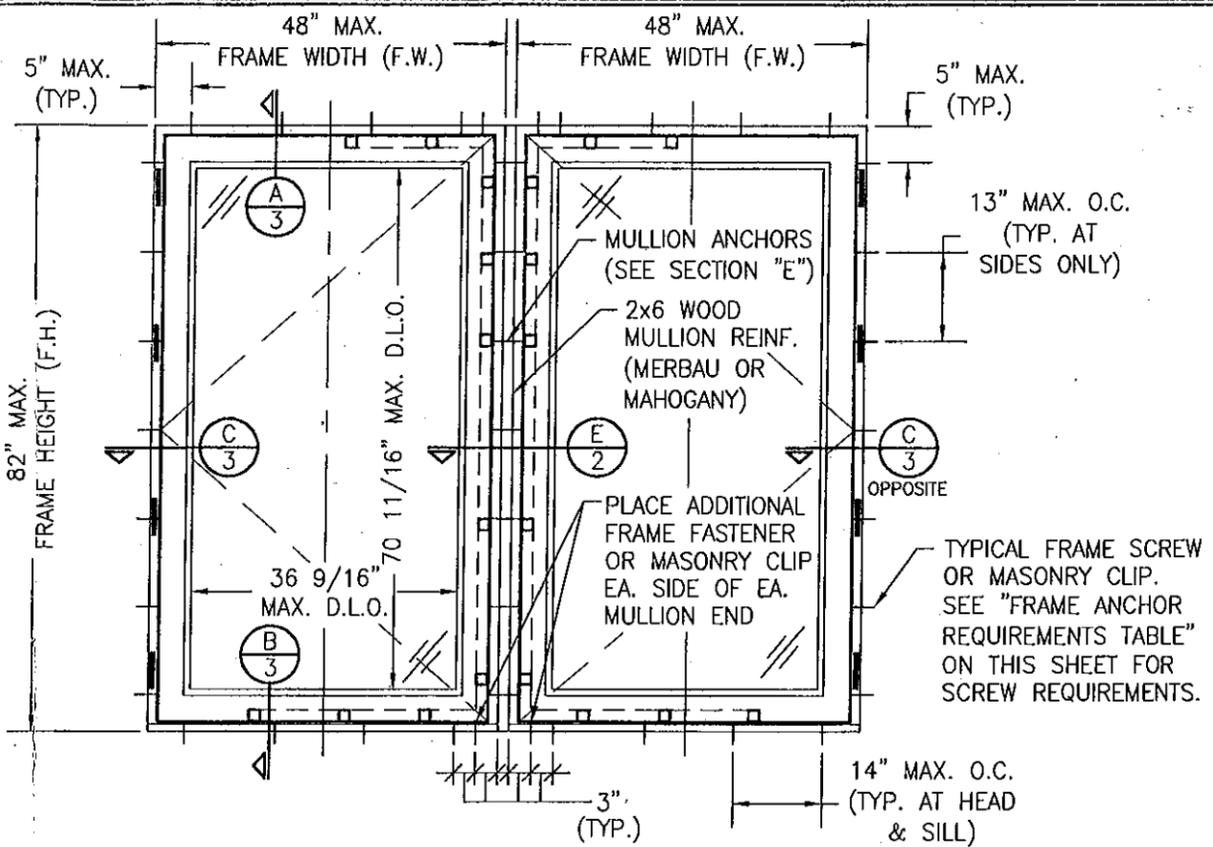
1. Notice of Acceptance No. **03-0326.03**, issued to Lüxbau, LLC for their Series "**Lüxbaum Windows & Doors Wooden Single Casement Window System**", approved on 05/29/2003 and expiring on 05/29/2008.



**Jaime D. Gascon, P.E.**  
**Chief, Product Control Division**  
**NOA No. 08-0206.10**  
**Expiration Date: May 29, 2013**  
**Approval Date: May 08, 2008**



**EXTERIOR ELEVATION  
SINGLE WINDOW UNIT**  
SCALE: 1/2"=1'-0"



**EXTERIOR ELEVATION  
MULTIPLE OPERABLE CASEMENT WINDOW UNIT**  
(MAX. FOUR UNITS MAY BE COMBINED)  
SEE SINGLE WINDOW ELEVATION FOR DETAIL NOT SHOWN  
SCALE: 1/2"=1'-0"

**CORNER CONSTRUCTION**

JAMB CORNERS: VERTICAL JAMB ENDS ARE COPED AND BUTTED TO HORIZONTAL JAMBS WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (3) 1/2" DIA. x 3 5/16" LONG MERBAU WOOD DOWELS.  
SASH CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (2) 1/2" DIA. x 3 7/16" AND (1) 5/8" DIA. x 3 1/4" MERBAU WOOD DOWELS.

**GENERAL NOTES:**

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & 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 & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

LOCK QUANTITY REQUIREMENTS TABLE					
TOP LOCK		SIDE LOCK		BOTTOM LOCK	
MAXIMUM PANEL WIDTH (IN.)	NO. LOCK POINTS REQ'D	MAXIMUM PANEL HEIGHT (IN.)	NO. LOCK POINTS REQ'D	MAXIMUM PANEL WIDTH (IN.)	NO. LOCK POINTS REQ'D
33	1	41	2	20	1
42	2	57	3	35	2
48	3	77	4	48	3
		96	5		

HINGE REQUIREMENTS	
FRAME HEIGHT	NO. OF HINGES REQUIRED
OVER 72"	4
54" TO 72"	3
LESS THAN 54"	2

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
65 PSF	70 PSF

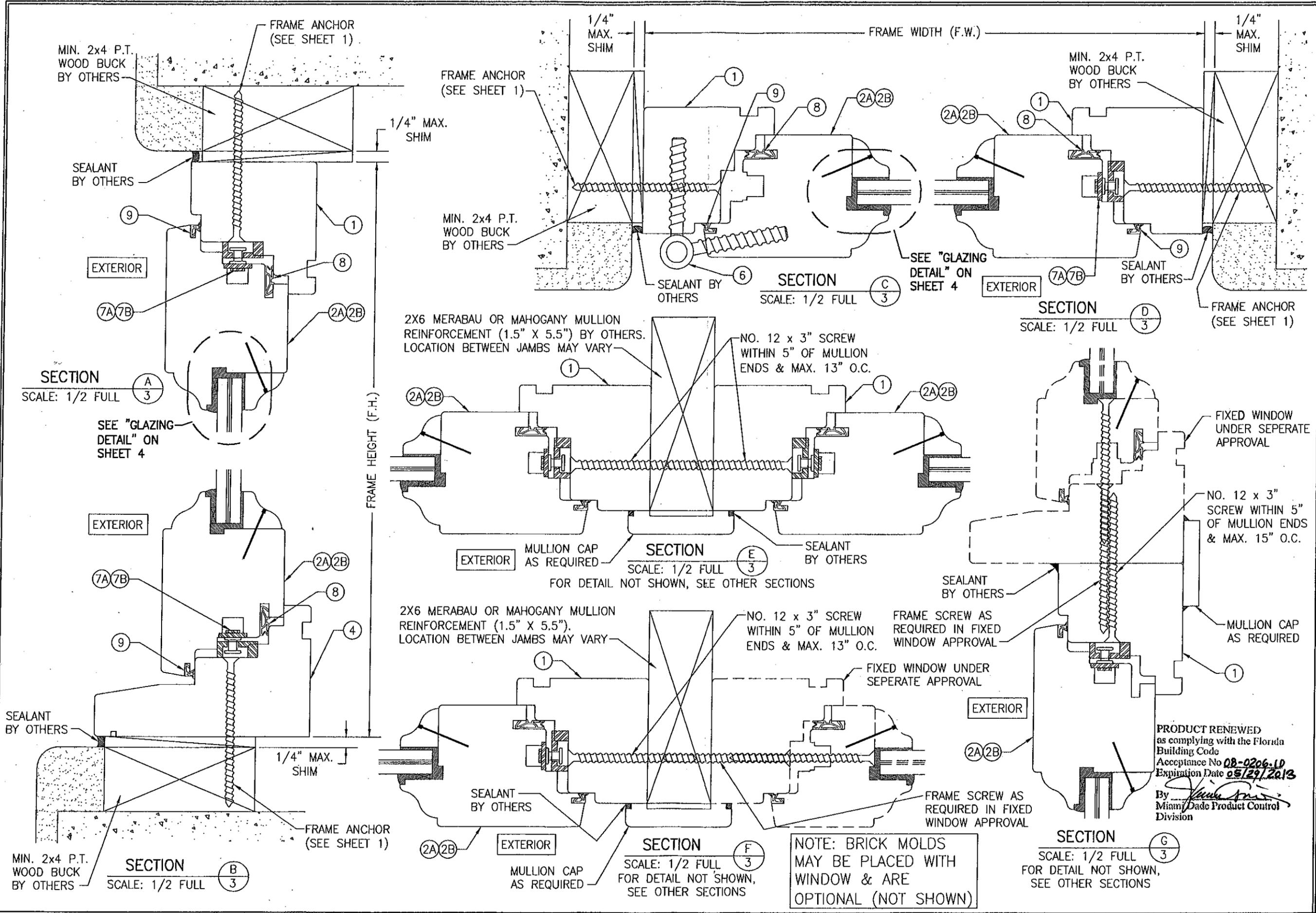
* FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X WOOD FRAME OR BUCK	NO. 12 SMS SCREW	1 1/4"	1"
CMU/CONCRETE	(1) 1/4" CONCRETE SCREWS	1 1/4"	2 1/2"

\*ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 12 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCRETE SCREW SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 08-0206.10  
Expiration Date 05/29/2013  
By *[Signature]*  
Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 12/10/02
DATE: 04/11/08	
BY: W.W.S.	
REVISION DESCRIPTION: A1 UPDATE TO CODE COMPLIANCE	
NO.	
DRAWING TITLE: LUXBAUM WINDOWS & DOORS WOODEN SINGLE CASEMENT WINDOW SYSTEM	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER: LUXBAUM, LLC 2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409 561-684-1500
CERTIFICATION: APR 11 2009	
DRAWING NO. 1189	REV. A
SHEET NO. 1 OF 4	





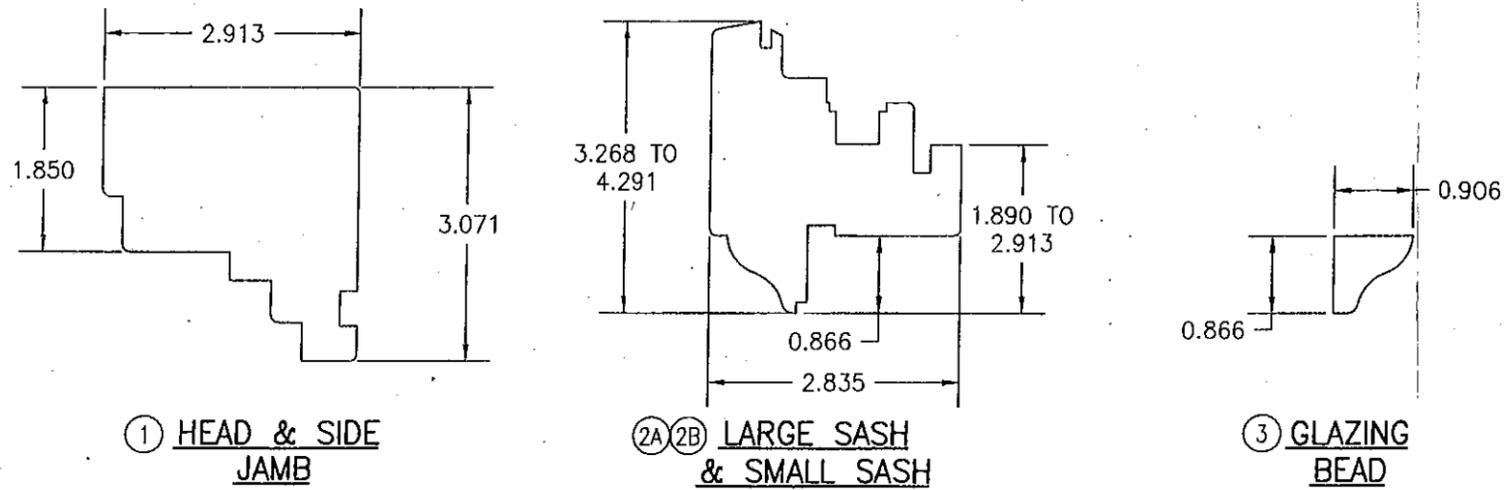
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 12/10/02
NO.	REVISION DESCRIPTION

DRAWING TITLE: LUXBAUM WINDOWS & DOORS  
 WOODEN SINGLE CASEMENT WINDOW SYSTEM  
 MANUFACTURER: LUXBAU, LLC  
 2400 CENTERPARK WEST DRIVE, SUITE 150  
 WEST PALM BEACH, FL 33409  
 561-684-1500

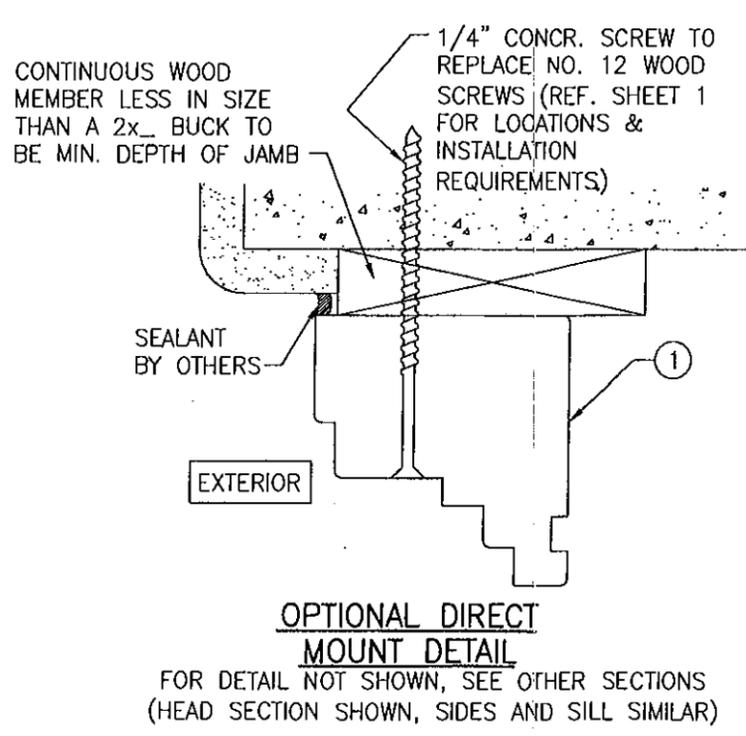
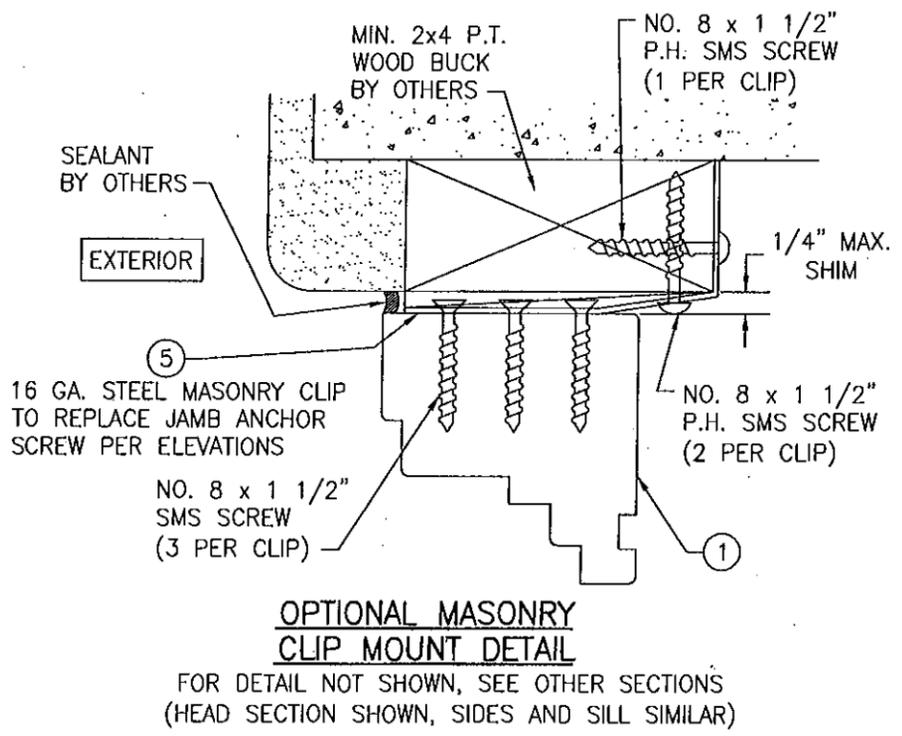
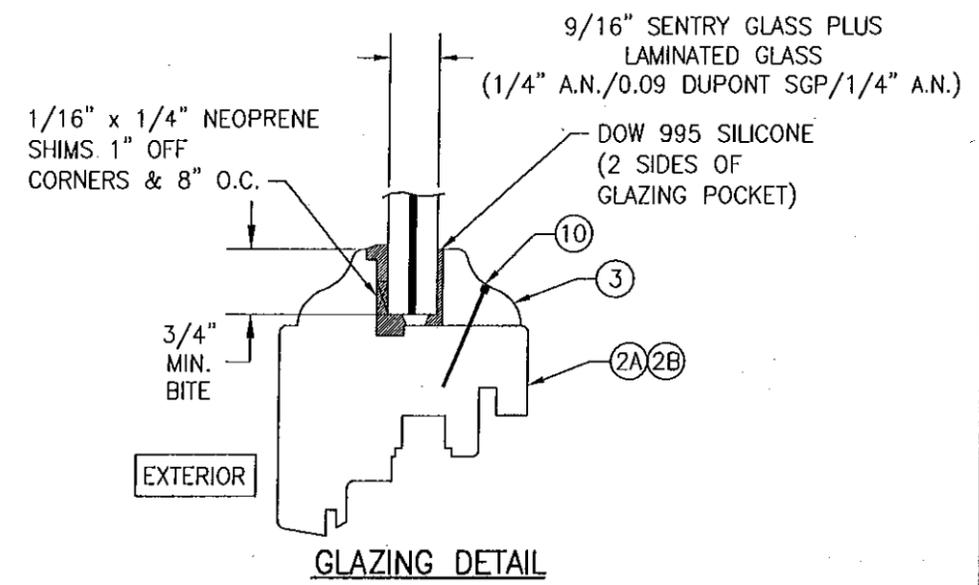
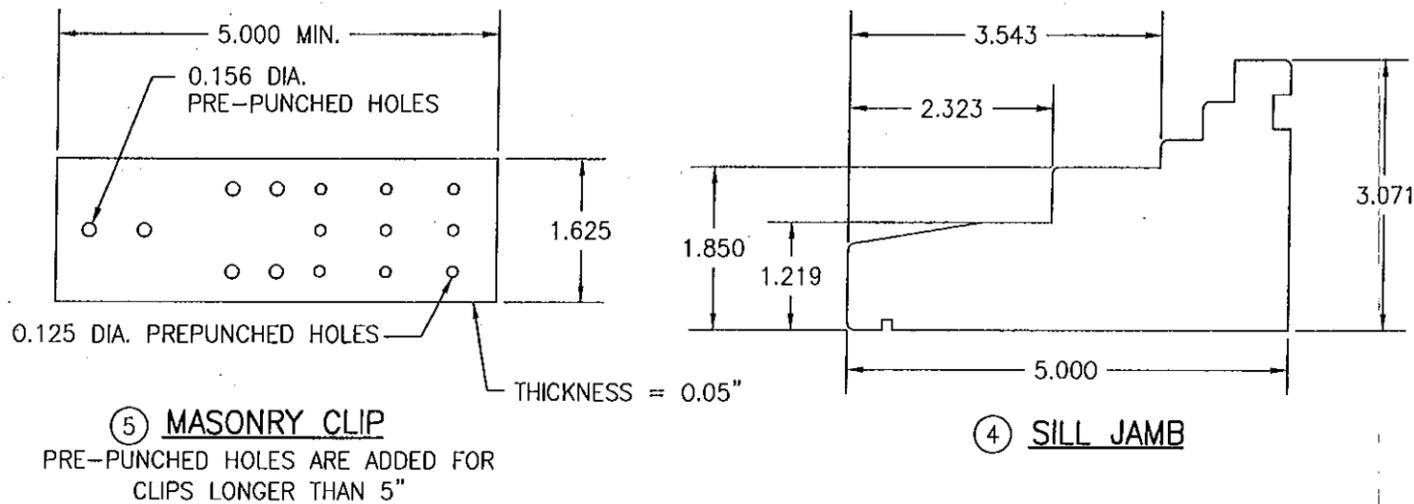
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: APR 11 2008  
 PRODUCT RENEWED as complying with the Florida Building Code  
 Acceptance No 08-0206-1D  
 Expiration Date 05/29/2013  
 By: *[Signature]*  
 Miami Dade Product Control Division  
 DRAWING NO. 1189  
 SHEET NO. 3 OF 4

NOTE: BRICK MOLDS MAY BE PLACED WITH WINDOW & ARE OPTIONAL (NOT SHOWN)



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	7478	FRAME HEAD & SIDE JAMB	MIN. GR. 2 MERBAU OR MAHOGANY
2A	72109	LARGE SASH	MIN. GR. 2 MERBAU OR MAHOGANY
2B	7283	SMALL SASH	MIN. GR. 2 MERBAU OR MAHOGANY
3	2223	GLAZING BEAD	MIN. GR. 2 MERBAU OR MAHOGANY
4	78127	SILL JAMB	MIN. GR. 2 MERBAU OR MAHOGANY
5	-	1 5/8" WIDE x 0.05" THK. x MIN. 5" LONG MASONRY CLIP	ASTM A653 MIN. 33 KSI GALV. STEEL
6	5020-SM	HINGE	G-U HARDWARE
7A	3/45M5	MULTI-POINT LOCK SET	SIEGENIA NO. 3/45M5
7B	6-25474-35-0-3	MULTI-POINT LOCK SET	G-U HARDWARE HWC-35
SEALS AND SEALANTS			
8	SV-12/ACF-6950	COMPRESSION SEAL	DEVENTER/G-U
9	SV-33/ACF-4527	COMPRESSION SEAL	DEVENTER/G-U
MISCELLANEOUS FASTENERS			
10	-	1/4" x 1 1/4" BRAD NAIL	2" FROM CORNERS & 4" O.C.



PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No **08-0206.10**  
 Expiration Date **05/29/2013**

By *[Signature]*  
 Miami Dade Product Control  
 Division

DRAWN BY: K.P.S. CHECKED BY: W.W.S.  
 PLOT: 1=2 DATE: 12/10/02

DATE: BY: REVISION DESCRIPTION: NO.

DRAWING TITLE: **LUXBAUM WINDOWS & DOORS WOODEN SINGLE CASEMENT WINDOW SYSTEM**

CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER: **LUXBAUM, LLC**  
 2400 CENTERPARK WEST DRIVE, SUITE 150  
 WEST PALM BEACH, FL 33409  
 561-684-1500

CERTIFICATION: **APR 11 2008**

WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44133

DRAWING NO. **1189** REV. **A**  
 SHEET NO. **4** OF **4**