



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

BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

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 "Slim European System" 8'0" W/E Outswing Wood Door – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1193, titled "Lüxbaum Windows & Doors Wooden Slim European Door System", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/08/2003, with the latest revision "A", dated 02/26/2008, signed and sealed by Warren 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 # 03-0507.10** 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*  
4/4/08

NOA No. 08-0206.12  
Expiration Date: July 17, 2013  
Approval Date: April 24, 2008  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. 1193, titled "Lüxbaum Windows & Doors Wooden Slim European Door System", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/08/2003, with the latest revision "A", dated 02/26/2008, signed and sealed by Warren 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 and TAS 202-94

Along with marked-up drawings and installation diagram of a single hung/fixd vinyl window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0271-0329.03** dated 04/17/2003, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA# 03-0507.10)*

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 single hung/fixd vinyl window, prepared by Hurricane Test Laboratory, Test Report No. **HTL 0271-0213.03** dated 2/19/2003, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA# 03-0507.10)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and with FBC 2007, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 02/07/2003 with the latest revision, dated 02/26/2008, signed and sealed by Warren Schaefer, P.E.

**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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

**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.



**Jaime D. Gascon, P.E.**  
Chief, Product Control Division  
NOA No. 08-0206.12  
Expiration Date: July 17, 2013  
Approval Date: April 24, 2008

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (Continued)**

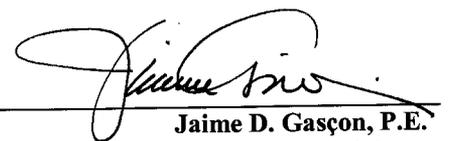
2. Notice of Acceptance No. **07-1116.11** issued to SAF-GLAS for their “**SAF-GLAS Polycarbonate Laminate**” dated 12/27/2007, expiring on December 16, 2012.

**F. STATEMENTS**

1. Statement letter of conformance prepared by W.W. Schaefer Engineering & Consulting, P.A., dated January 24, 2008, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of independence and no financial interest prepared by W.W. Schaefer Engineering & Consulting, P.A., dated February 27, 2008, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report N<sup>o</sup>.’s **HTL 0271-0329.03 and HTL 0271-0213.03**, issued by Hurricane Test Laboratory, Inc., dated April 16, 2003, signed and sealed by Vinu J. Abraham, P.E.

**G. OTHER**

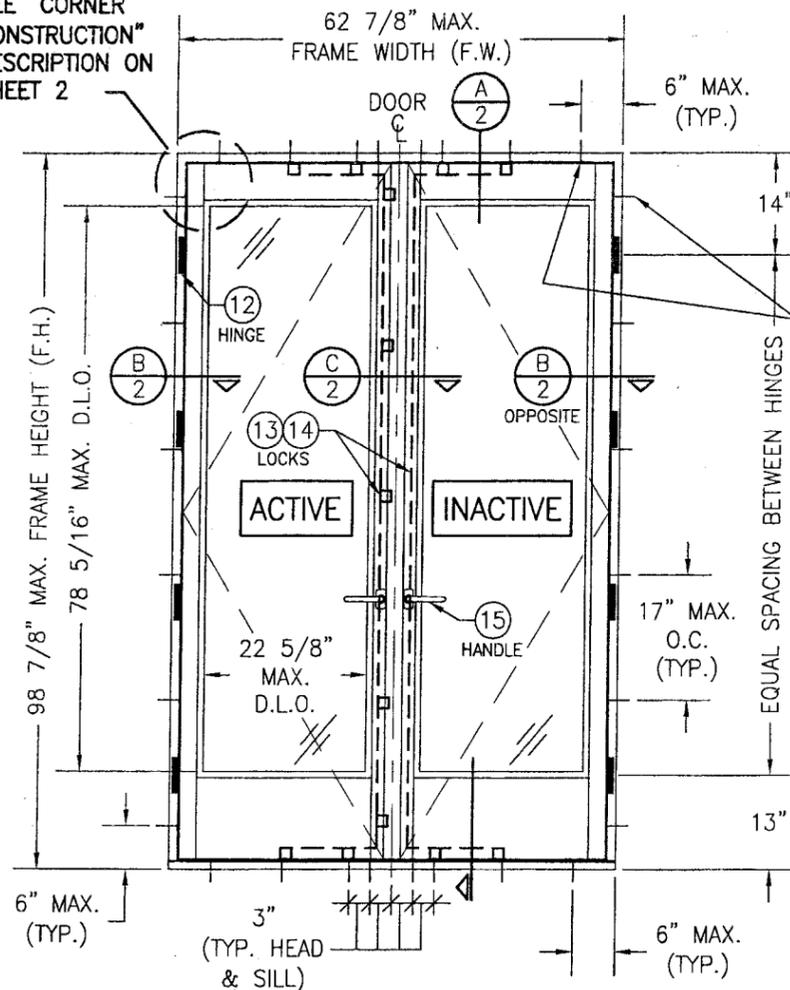
1. Notice of Acceptance No. **03-0507.10**, issued to Lüxbau, LLC for their Series “**Lüxbaum Windows & Doors Wooden Slim European Door System**”, approved on July 17, 2003 and expiring on July 17, 2008.



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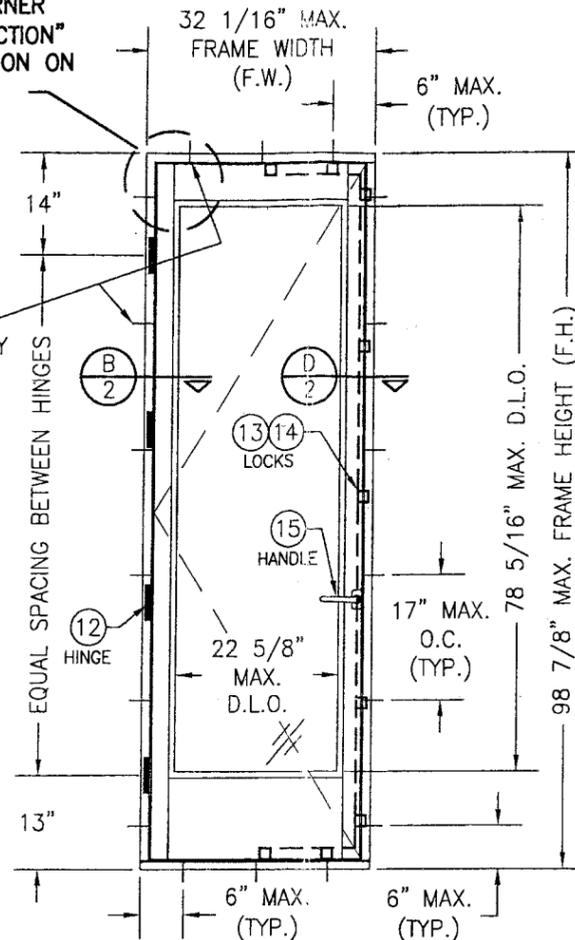
**Jaime D. Gascon, P.E.**  
Chief, Product Control Division  
NOA No. 08-0206.12  
Expiration Date: July 17, 2013  
Approval Date: April 24, 2008

SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 2

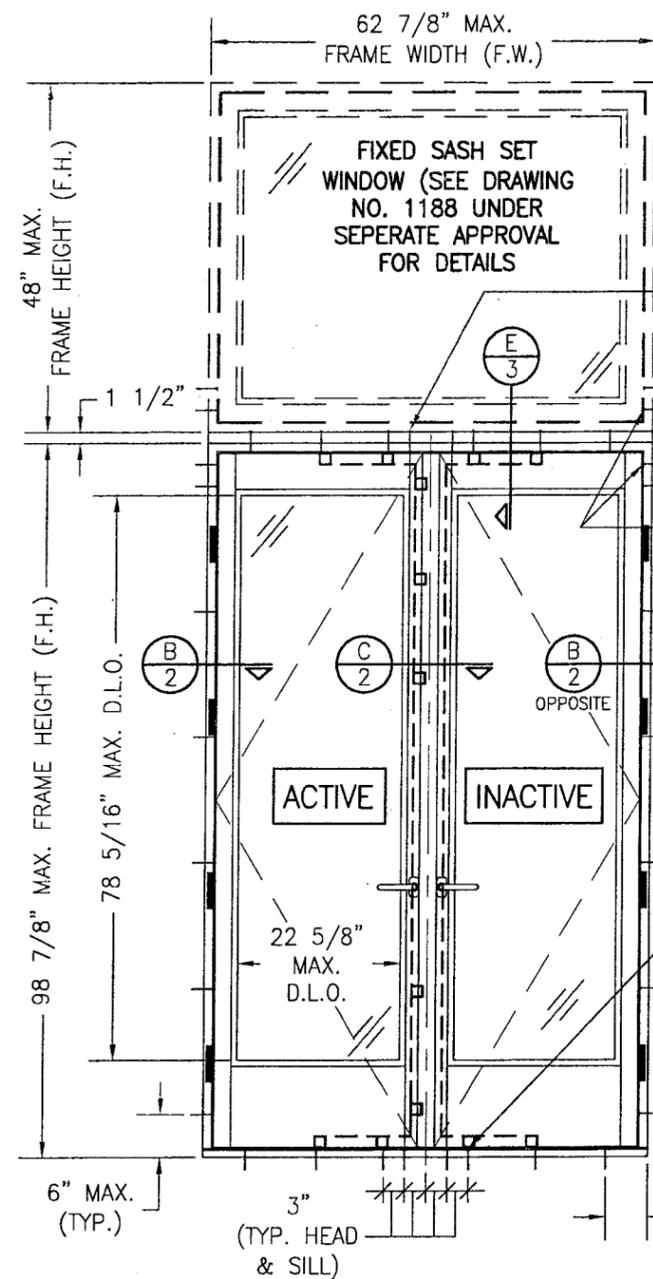


**EXTERIOR ELEVATION  
DOUBLE OUTSWING DOOR**  
SCALE: 1/2"=1'-0"

SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 2



**EXTERIOR ELEVATION  
SINGLE OUTSWING DOOR**  
SCALE: 1/2"=1'-0"



**EXTERIOR ELEVATION  
DOUBLE OUTSWING DOOR WITH TRANSOM**  
SEE DOUBLE DOOR ELEVATION FOR DETAIL NOT SHOWN  
SCALE: 1/2"=1'-0"

TYPICAL FRAME SCREW OR MASONRY CLIP. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

MULLION ANCHORS PER SECTION "E" (POSITION SAME AS SILL ANCHORS)

ADDITIONAL FRAME ANCHOR EA. SIDE OF MULLION (TYP. BOTH ENDS)

TYPICAL FRAME SCREW OR MASONRY CLIP. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

**LOCK REQUIREMENTS TABLE  
(ALL DOOR SIZES)**

LOCK LOCATION	NO. LOCKING POINTS	
	ACTIVE	INACTIVE
SIZE (VERTICAL)	5	0
TOP (HORIZ.)	2	2
BOTTOM (HORIZ.)	2	2

**\* 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) CONCRETE SCREWS SHALL BE ELCO OR 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 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.

**HINGE REQUIREMENTS**

FRAME HEIGHT	MIN. # OF HINGES
ALL DOORS	4

**ALLOWABLE DESIGN LOAD**

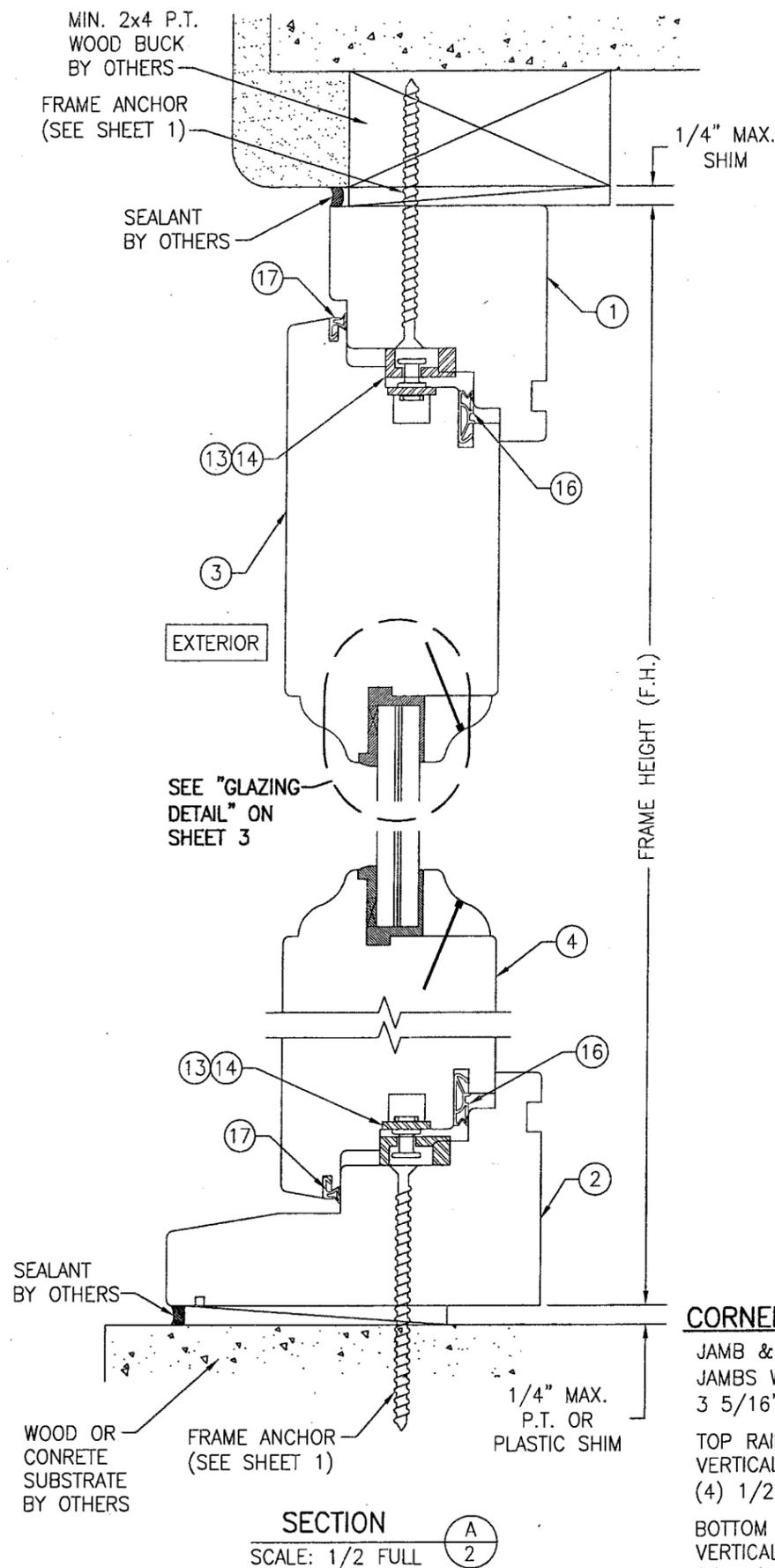
	POSITIVE	NEGATIVE
	65 PSF	70 PSF

**GENERAL NOTES**

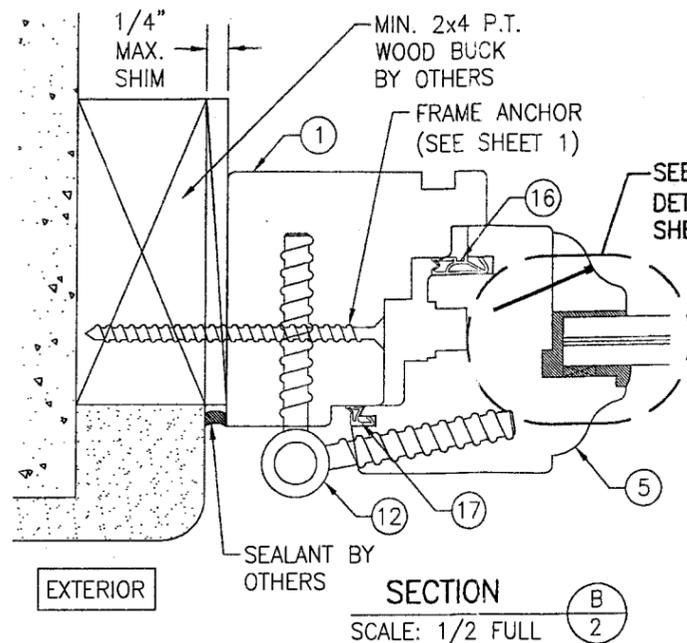
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL 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 THE 2004 & 2007 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 & 2007 FLORIDA BUILDING CODES (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. ALL FRAME ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
9. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE & GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE 2004 & 2007 FLORIDA BUILDING CODES, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  SHALL BE USED.
10. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW DESIGN.

PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No. **08-0206-12**  
Expiration Date **07/17/2013**  
By *[Signature]*  
Miami-Date Product Control Division

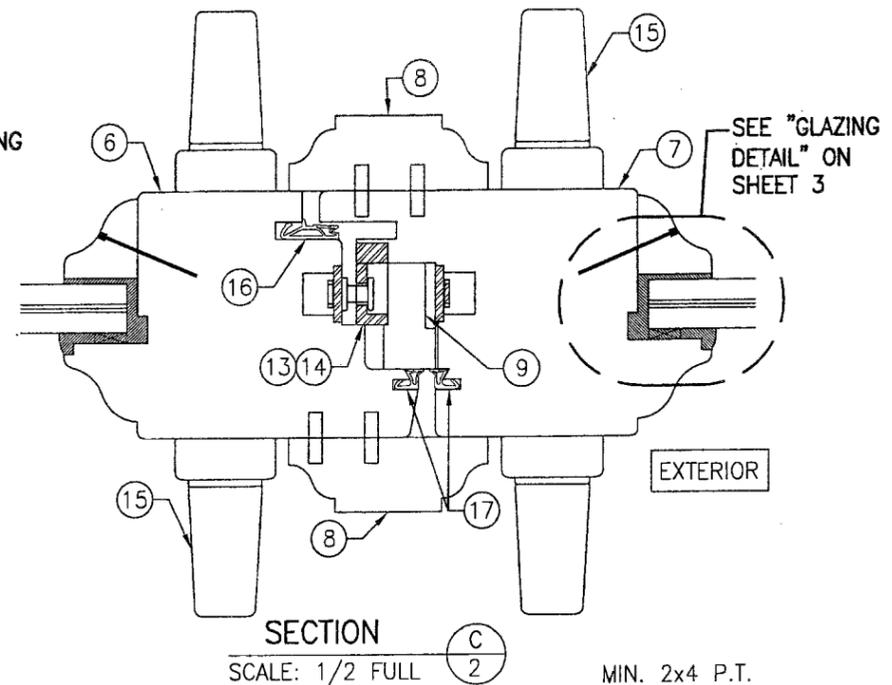
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PLOT: 1=24	DATE: 01/08/03
NO. REVISION DESCRIPTION	DATE
BY	W.R.M.
NO.	AI
DRAWING TITLE: LUXBAUM WINDOWS & DOORS WOODEN SLIM EUROPEAN DOOR SYSTEM MANUFACTURER	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
LUXBAU, LLC 2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409 561-684-1500	
CERTIFICATION: FEB 26 2013	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1193	REV. A
SHEET NO. 1 OF 4	



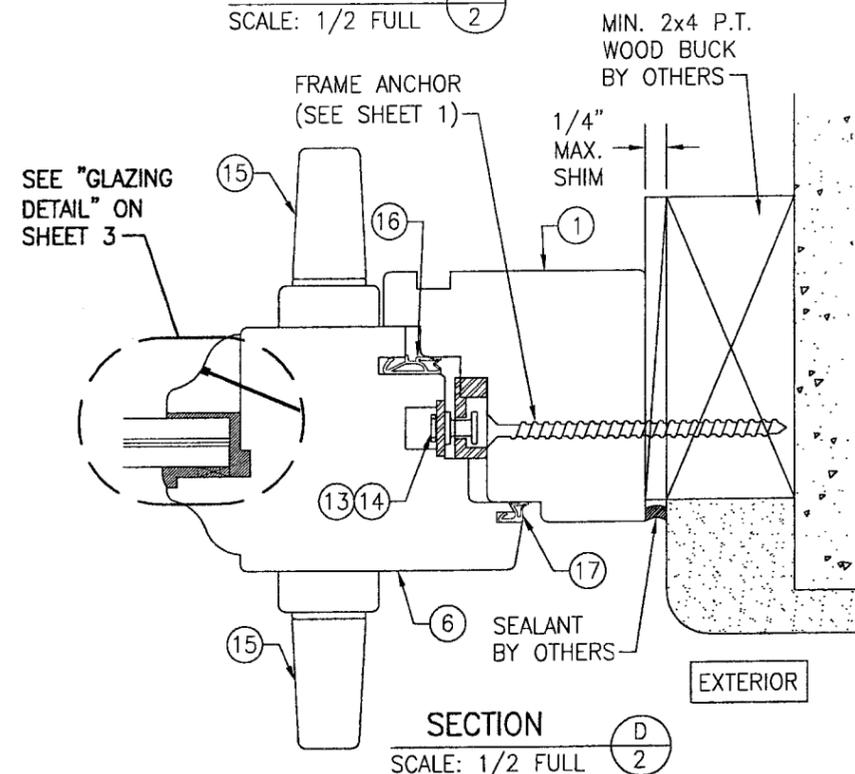
SECTION A  
SCALE: 1/2 FULL



SECTION B  
SCALE: 1/2 FULL



SECTION C  
SCALE: 1/2 FULL



SECTION D  
SCALE: 1/2 FULL

**CORNER CONSTRUCTION**

JAMB & SILL 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.

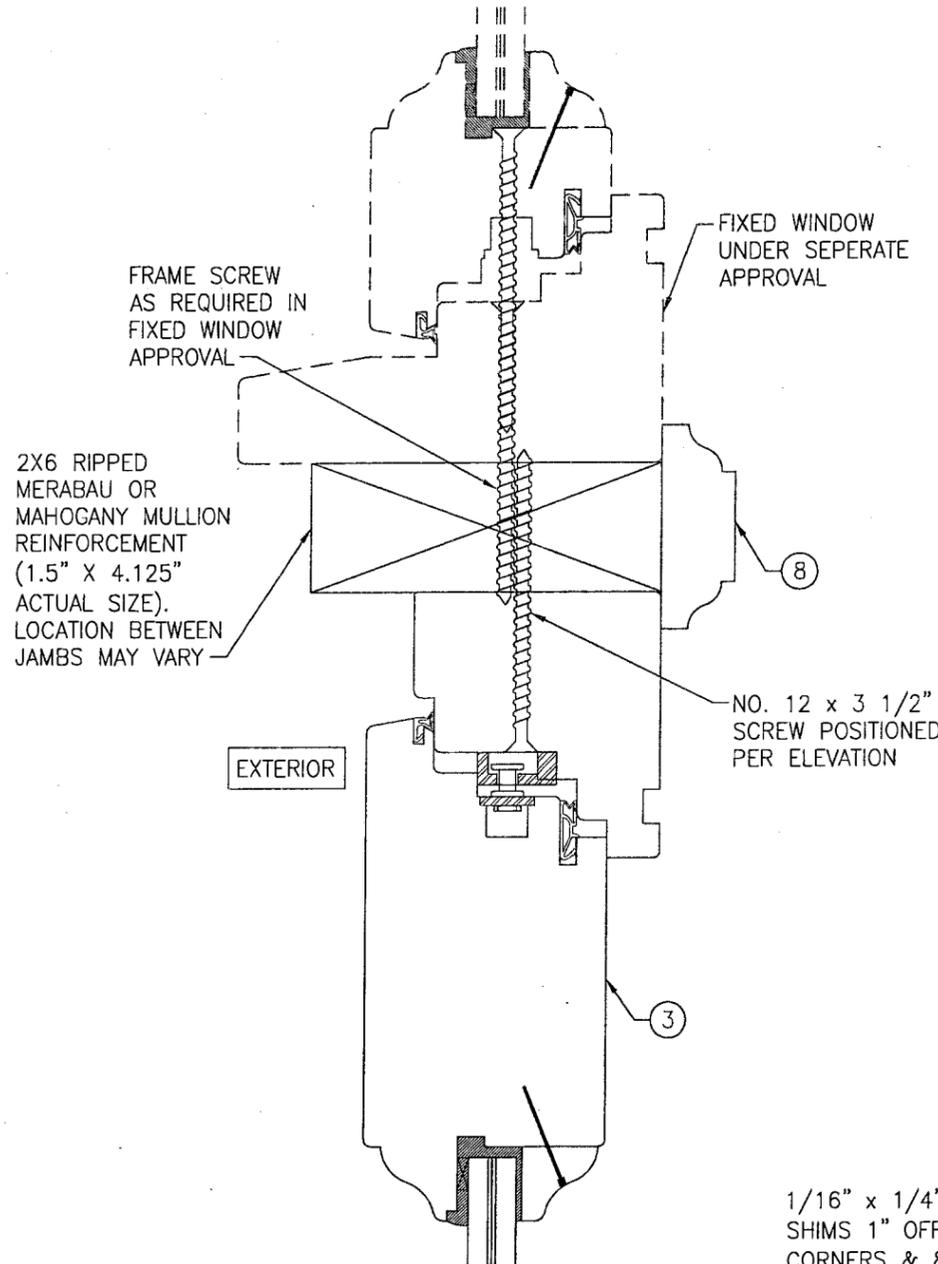
TOP RAIL TO STILE CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (4) 1/2" DIA. x 3 7/16" AND (3) 5/8" DIA. x 3 1/4" MERBAU WOOD DOWELS.

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

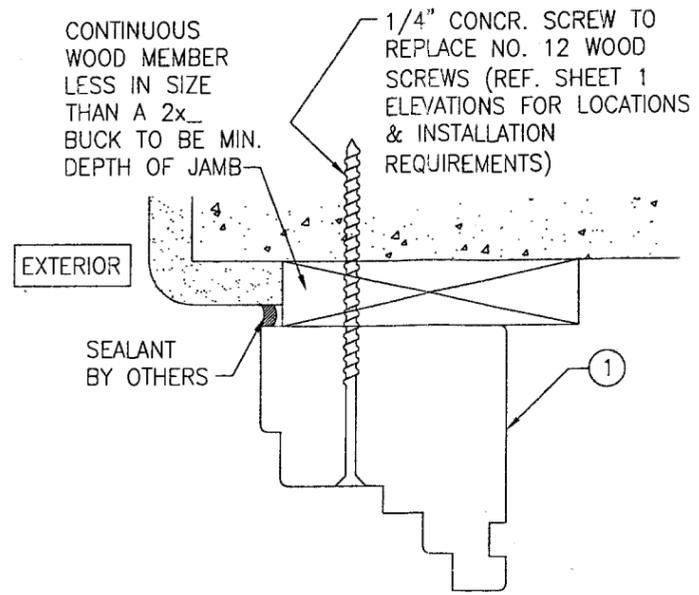
NOTE: BRICK MOLDS MAY BE PLACED WITH DOOR & ARE OPTIONAL (NOT SHOWN)

PRODUCT RENEWED as complying with the Florida Building Code  
 Acceptance No. 08-0206.12  
 Expiration Date 07/17/2013  
 By *[Signature]*  
 Miami Dade Product Control Division

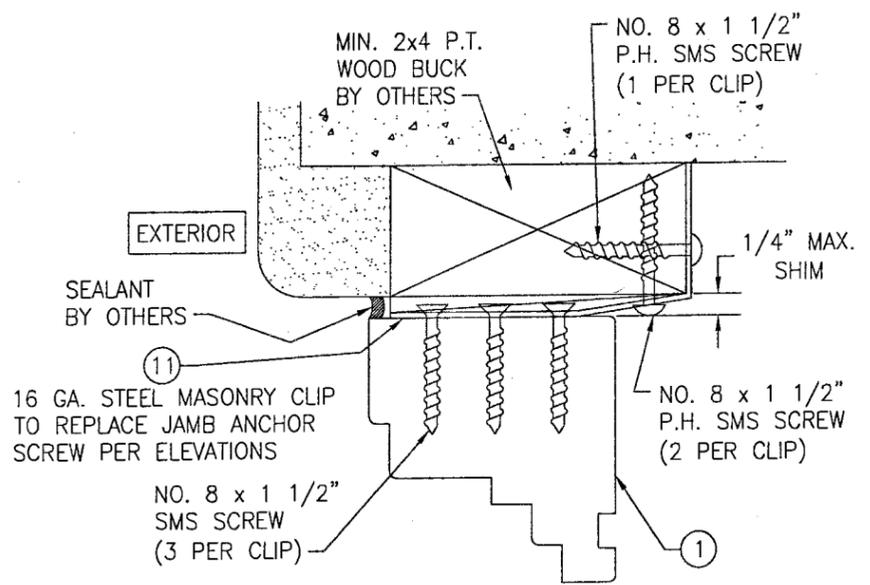
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/08/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: LUXBAUM WINDOWS & DOORS WOODEN SLIM EUROPEAN DOOR SYSTEM			
CONSULTANTS: LUXBAUM, LLC 2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409 561-684-1500			
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION	FEB 26 2008		
DRAWING NO. 1193		REV. A	
SHEET NO. 2		OF 4	



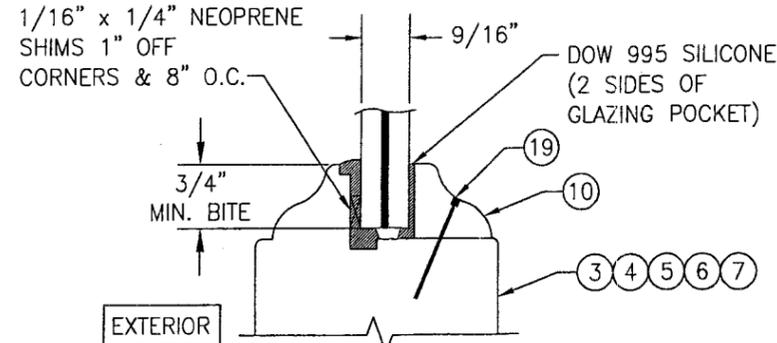
**SECTION E**  
SCALE: 1/2 FULL  
(SEE SECTION "A" FOR DETAIL NOT SHOWN)



**OPTIONAL DIRECT MOUNT DETAIL**  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



**OPTIONAL MASONRY CLIP MOUNT DETAIL**  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS (HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



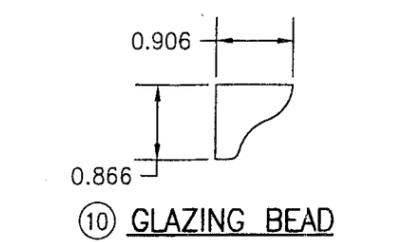
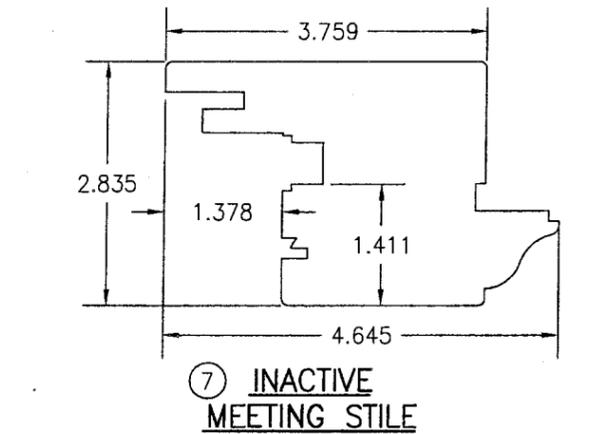
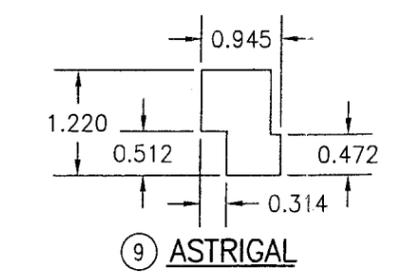
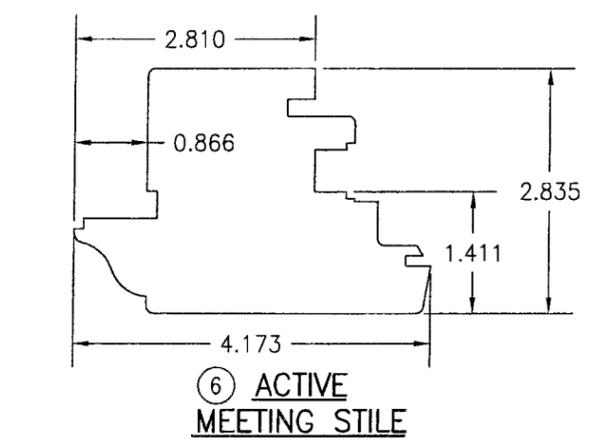
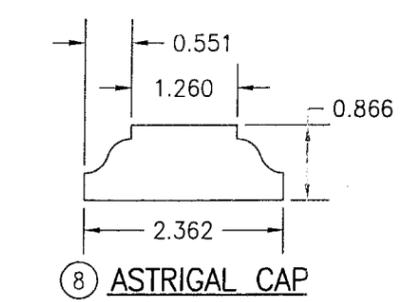
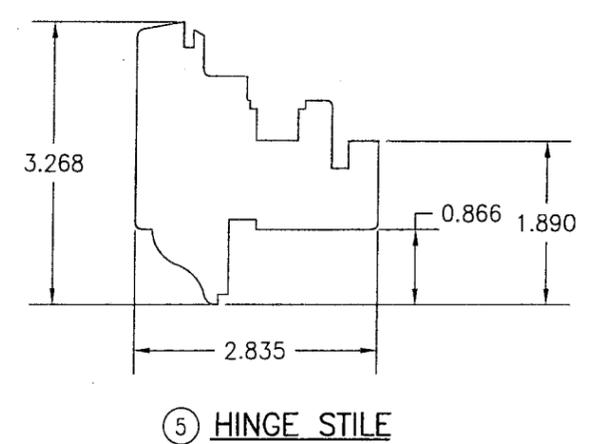
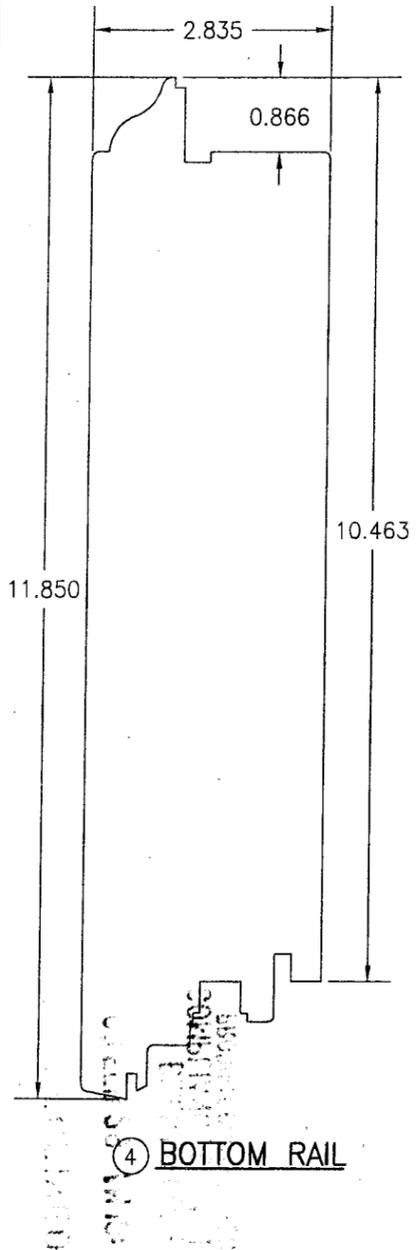
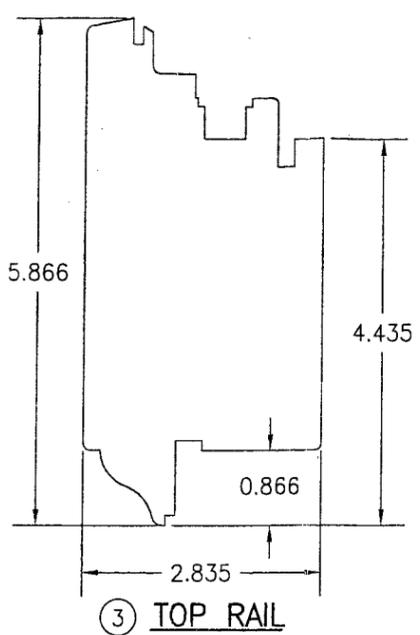
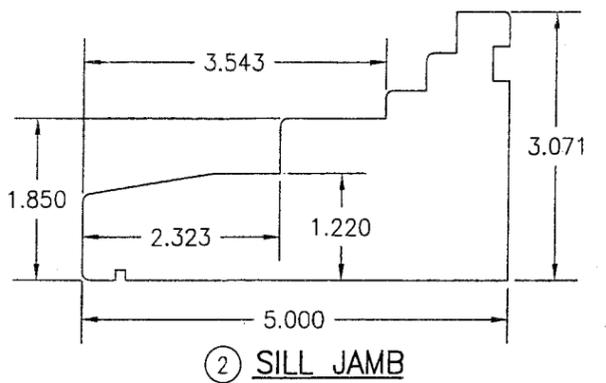
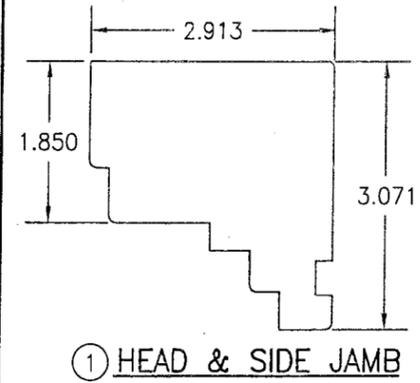
**GLAZING DETAIL**

- OPTION 1: 9/16" SECURITY IMPACT GLASS SAF-GLASS LAMINATED GLASS (1/4" A.N./0.015 ADHESIVE/0.07 POLYCARBONITE/0.015 ADHESIVE/1/4" A.N.)
- OPTION 2: 9/16" SENTRY GLASS PLUS LAMINATED GLASS (1/4" A.N./0.09 SGP/1/4" A.N.)

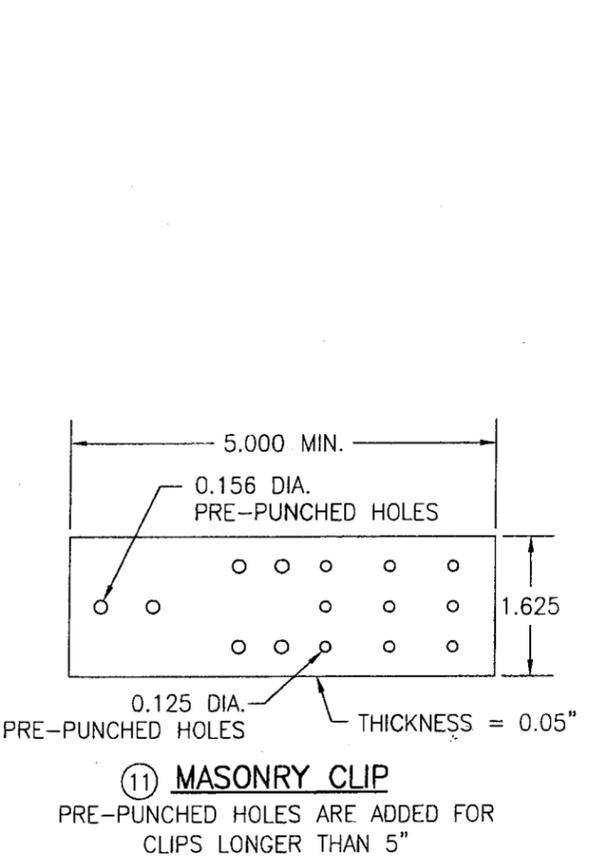
NOTE: BRICK MOLDS MAY BE PLACED WITH DOOR & ARE OPTIONAL (NOT SHOWN)

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 08-0206.12  
Expiration Date 07/17/2013  
By *[Signature]*  
Miami Dade Product Control Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/08/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: LUXBAUM WINDOWS & DOORS WOODEN SLIM EUROPEAN DOOR SYSTEM			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: LUXBAU, LLC	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410		2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409	
PHONE: 561-775-4902		FAX: 561-775-4903	
CERTIFICATION: <i>[Signature]</i> FEB 26 2008		WARREN W. SCHAEFER P.E. P.E. NO. 44135	
DRAWING NO.	REV.	SHEET NO.	
1193	A	3 OF 4	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	7478	FRAME HEAD & SIDE JAMB	SELECT STRUCTURAL MERBAU OR MAHOGANY
2	78127	SILL JAMB	SELECT STRUCTURAL MERBAU OR MAHOGANY
3	72148	TOP RAIL	SELECT STRUCTURAL MERBAU OR MAHOGANY
4	72301	BOTTOM RAIL	SELECT STRUCTURAL MERBAU OR MAHOGANY
5	7283	HINGE STILE	SELECT STRUCTURAL MERBAU OR MAHOGANY
6	72106	ACTIVE MEETING STILE	SELECT STRUCTURAL MERBAU OR MAHOGANY
7	72118	INACTIVE MEETING STILE	SELECT STRUCTURAL MERBAU OR MAHOGANY
8	2260	ASTRIGAL CAP	SELECT STRUCTURAL MERBAU OR MAHOGANY
9	2431	ASTRIGAL	SELECT STRUCTURAL MERBAU OR MAHOGANY
10	2223	GLAZING BEAD	SELECT STRUCTURAL MERBAU OR MAHOGANY
11	-	1 5/8" WIDE x 0.05" THK. x MIN. 5" LONG MASONRY CLIP	ASTM A653 MIN. 33 KSI GALV. STEEL
HARDWARE			
12	5020-SM	HINGE	G-U HARDWARE (BRASS, PLATED STEEL OR S.S.)
13	6-25474-35-0-3	MULTI-POINT LOCK SET	G-U HARDWARE HWC-35
14	3/45M5	MULTI-POINT LOCK SET	SIEGENIA NO. 3/45M5
15	-	HANDLE	AS REQUIRED TO OPERATE LOCKS
SEALS AND SEALANTS			
16	SV-12/ACF-6950	COMPRESSION SEAL	DEVENTER/G-U
17	SV-33/ACF-4527	COMPRESSION SEAL	DEVENTER/G-U
MISCELLANEOUS FASTENERS			
19	-	1/4" x 1 1/4" BRAD NAIL	2" FROM CORNERS & 4" O.C.



DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/08/03
REVISION DESCRIPTION	DATE
NO.	

DRAWING TITLE: LUXBAUM WINDOWS & DOORS  
WOODEN SLIM EUROPEAN DOOR 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  
LUXBAU, LLC  
2400 CENTERPARK WEST DRIVE, SUITE 150  
WEST PALM BEACH, FL 33409  
561-684-1500

CERTIFICATION  
FPR 26 71118

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

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0206.12  
Expiration Date 07/17/2013

DRAWING NO. 1193  
REV. A  
SHEET NO. 4 OF 4