



**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**

NOTICE OF ACCEPTANCE (NOA)

**Luxbau, LLC
2400 Centrepark West Dr., # 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Wooden Slim European Door System

APPROVAL DOCUMENT: Drawing No. 1193, titled "Luxbaum Windows & Doors Wooden Slim European Door System", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 1/8/03, signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

Handwritten signature and date: 6/24/03



**NOA No 03-0507.10
Expiration Date: July 17, 2008
Approval Date: July 17, 2003
Page 1**

Luxbau, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 1193, titled "Luxbaum Windows & Doors Wooden Slim European Door System", sheets 1 through 4 of 4, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 1/8/03, 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 3/28/03, signed and sealed by Vinu Abraham, P.E.
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 2/19/03, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 2/7/03, signed and sealed by Warren Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 02-1205.03 issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS" dated 1/2/03, expiring on 12/16/07.
2. Notice of Acceptance No. 01-1204.01 issued to E.I. DuPont DeNemours for "Sentry Glass (R) Plus" dated 12/17/02, expiring on 1/14/07.



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0507.10
Expiration Date: July 17, 2008
Approval Date: July 17, 2003

Luxbau, LLC

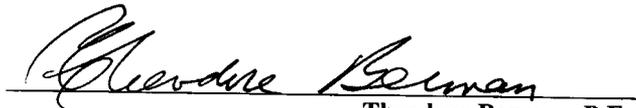
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

E. STATEMENTS

1. Statement letter of conformance, dated 3/18/03, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 3/18/03, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no. HTL 0271-0329.03, issued by Hurricane Test Laboratory, dated 4/16/03, signed and sealed by Vinu Abraham, P.E.

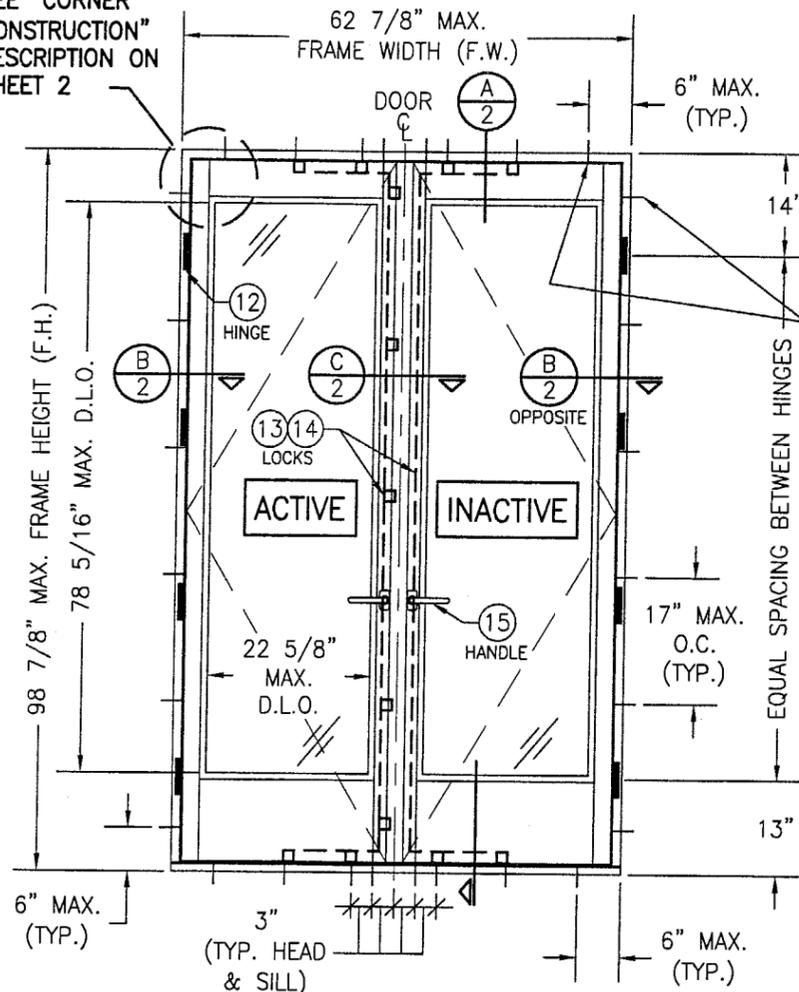
F. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



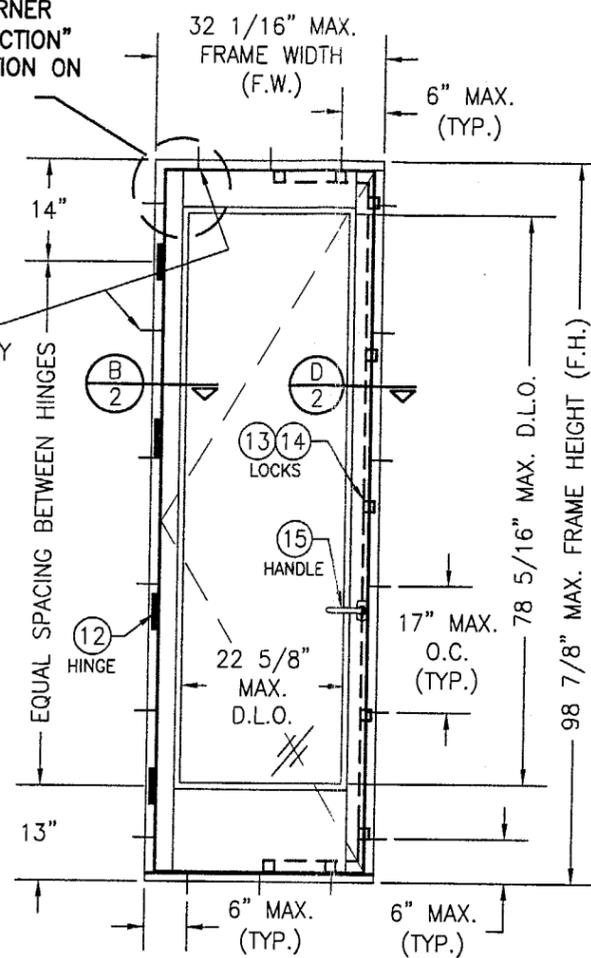
Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0507.10
Expiration Date: July 17, 2008
Approval Date: July 17, 2003

SEE "CORNER CONSTRUCTION" DESCRIPTION ON SHEET 2

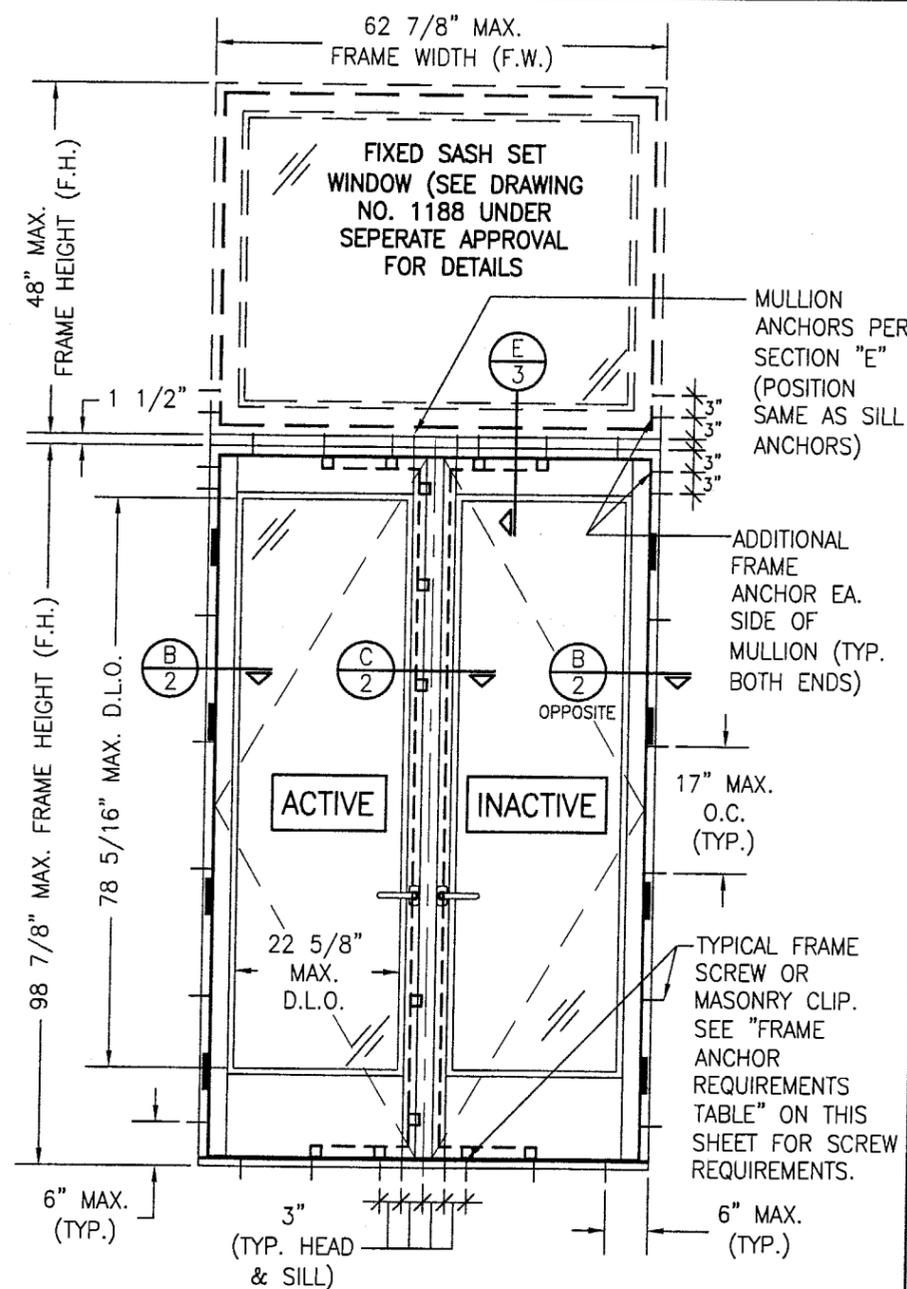


**EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR**
SCALE: 1/2"=1'-0"

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"

HINGE REQUIREMENTS

FRAME HEIGHT	MIN. # OF HINGES
ALL DOORS	4

ALLOWABLE DESIGN LOAD

POSITIVE	NEGATIVE
65 PSF	70 PSF

**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.).

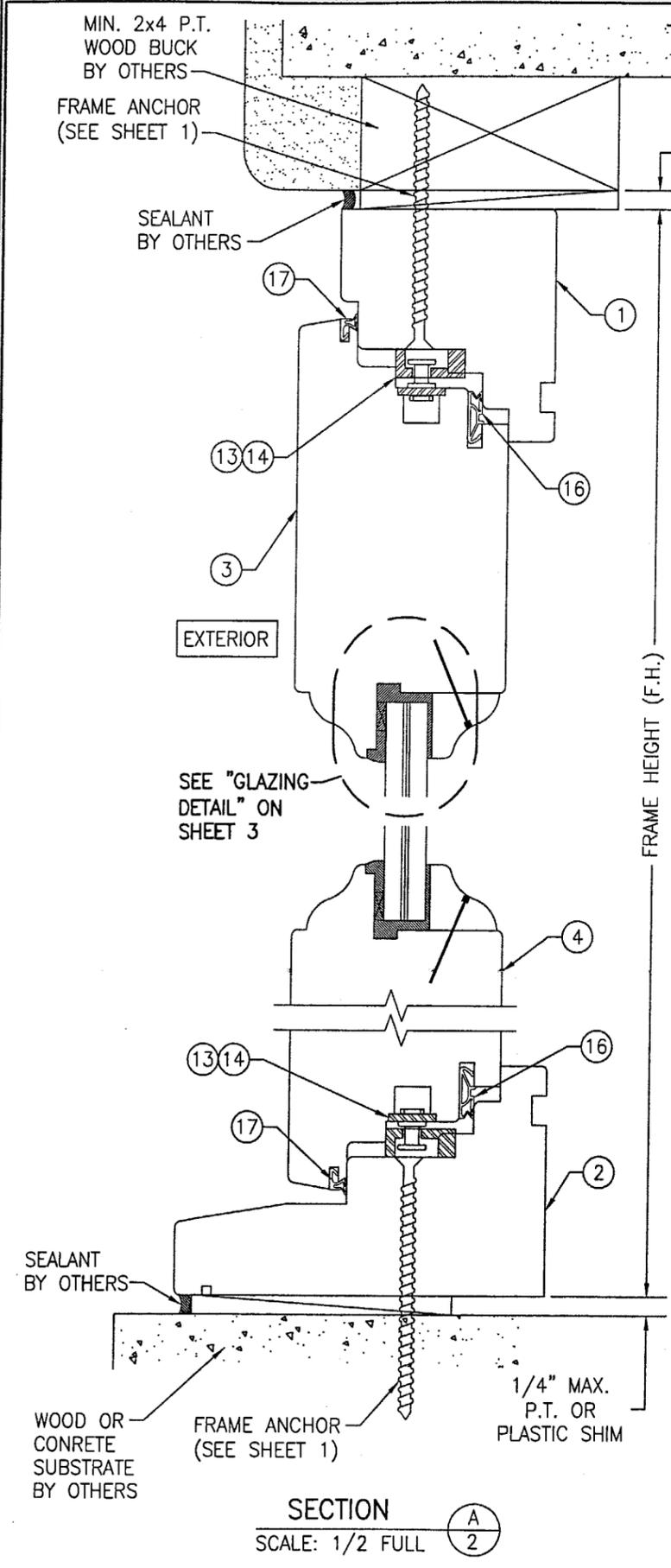
***ANCHOR NOTE:** FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 12 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCRETE SCREW SHALL BE USED.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

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.
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 DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
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.

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/08/03
DATE	BY
REVISION DESCRIPTION	
NO.	
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 PHONE: 561-775-4902 FAX: 561-775-4903	2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409 561-684-1500
CERTIFICATION MAY 27 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1193	REV.
SHEET NO. 1	OF 4

Approved as complying with the Florida Building Code
Date 03/17/03
NOAS 03-0503.10
Miami Code Product Control
By: *Warren W. Schaefer*

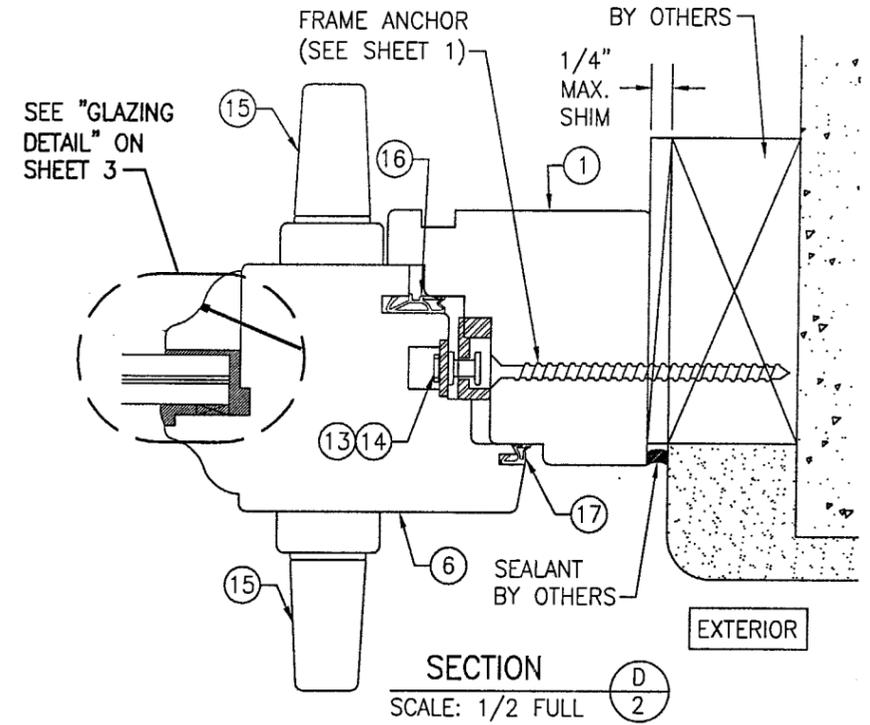
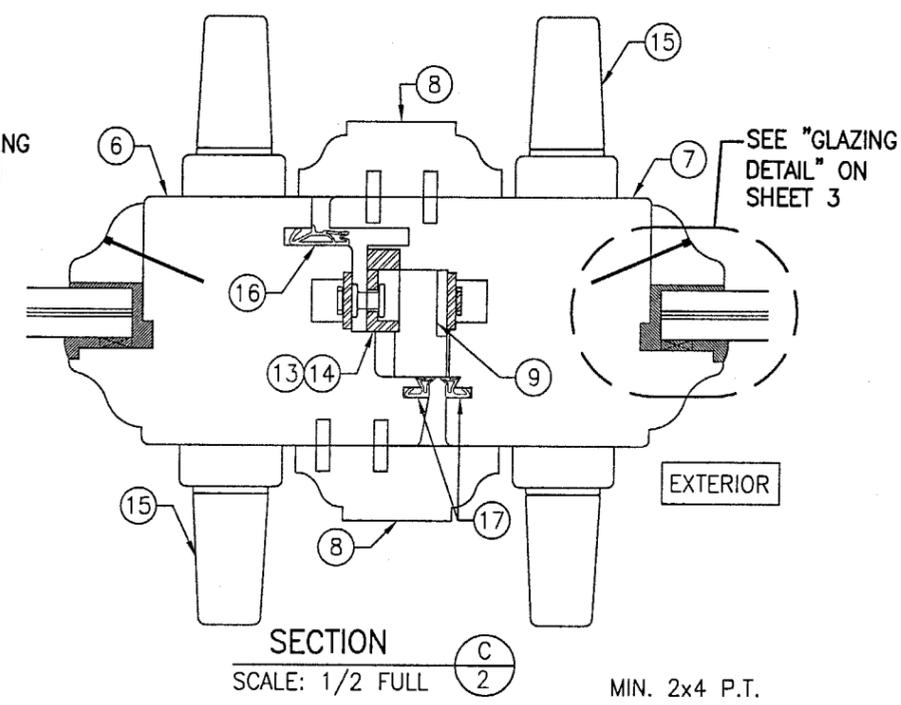
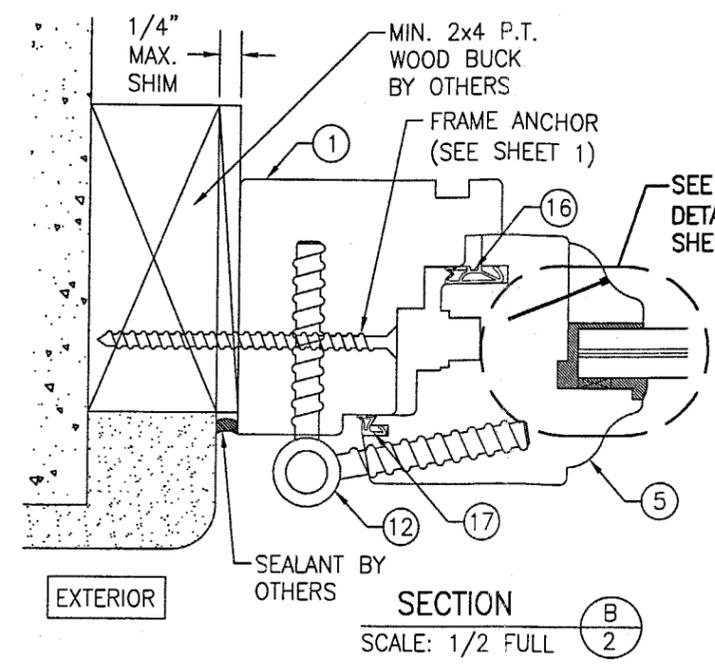


CORNER CONSTRUCTION

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.

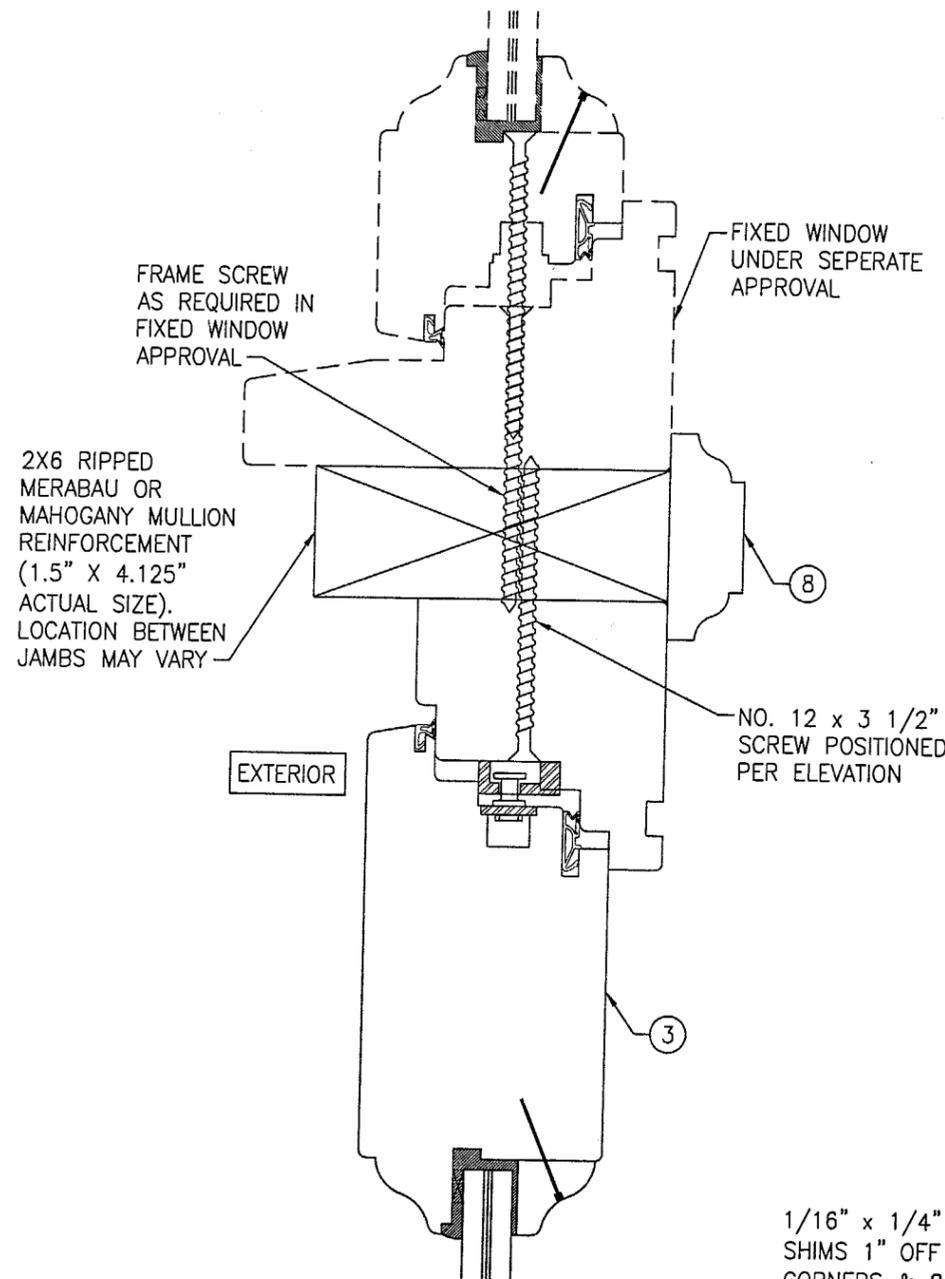
BOTTOM RAIL TO STILE CORNERS: HORIZONTAL SASH ENDS ARE COPED AND BUTTED TO VERTICAL SASH PROFILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (7) 1/2" DIA. x 3 7/16" AND (5) 5/8" DIA. x 3 1/4" MERBAU WOOD DOWELS.



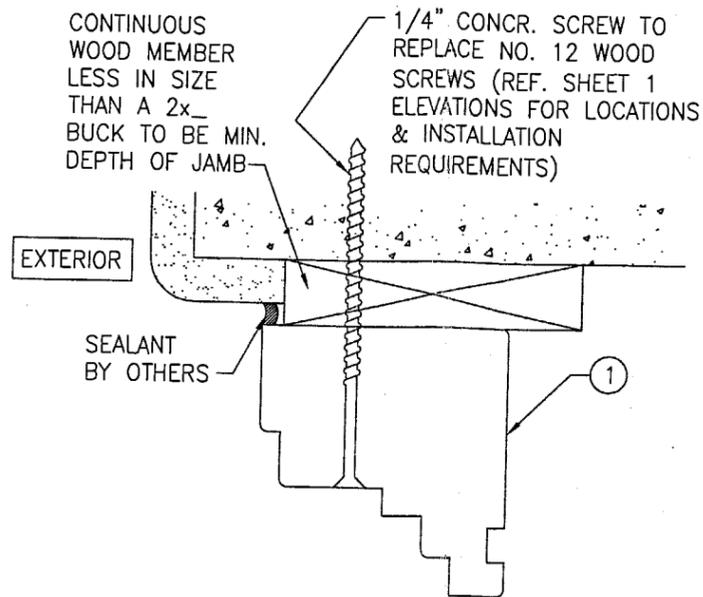
NOTE: BRICK MOLDS MAY BE PLACED WITH DOOR & ARE OPTIONAL (NOT SHOWN)

Approved as complying with the Florida Building Code
 Date 03/17/03
 NOA# 03-0502-10
 Miami Dade Product Control
 Division
 By *Sheldon Brown*

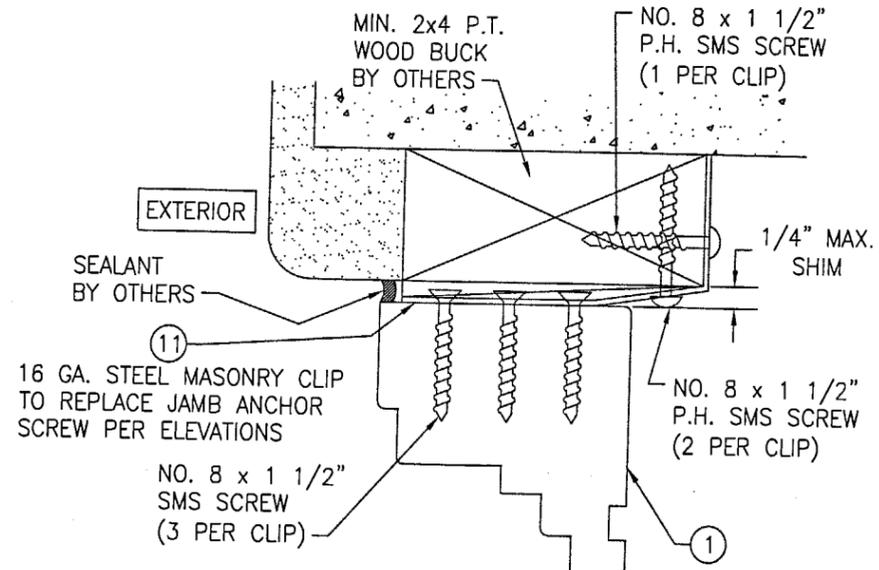
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/08/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE LUXBAUM WINDOWS & DOORS WOODEN SLIM EUROPEAN DOOR SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER LUXBAU, LLC 2400 CENTERPARK WEST DRIVE, SUITE 150 WEST PALM BEACH, FL 33409 561-684-1500	
CERTIFICATION MAY 27 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1193	REV.
SHEET NO. 2	OF 4



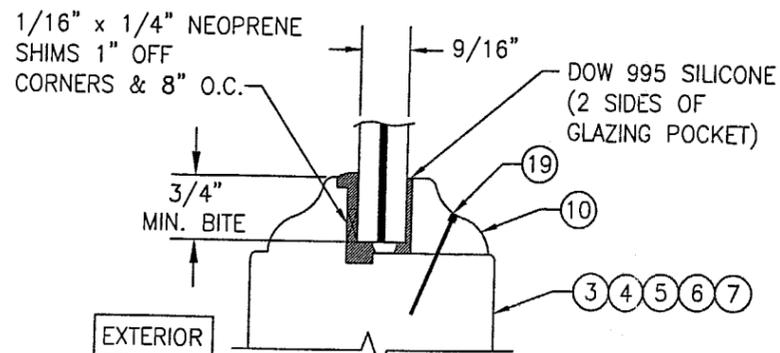
SECTION E
SCALE: 1/2 FULL
(SEE SECTION "A" FOR DETAIL NOT SHOWN)



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)

Approved as complying with the Florida Building Code
Date 07/17/03
NOAH 03-0502-10
Miami Dade Product Control Division
By: *Warren W. Schaefer*

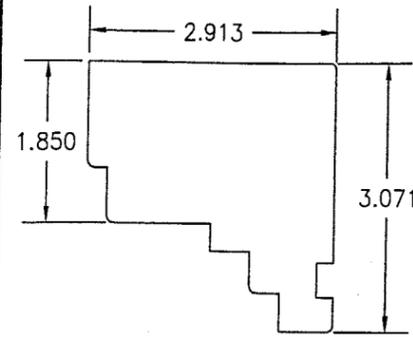
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/08/03

NO.	REVISION DESCRIPTION	DATE	BY

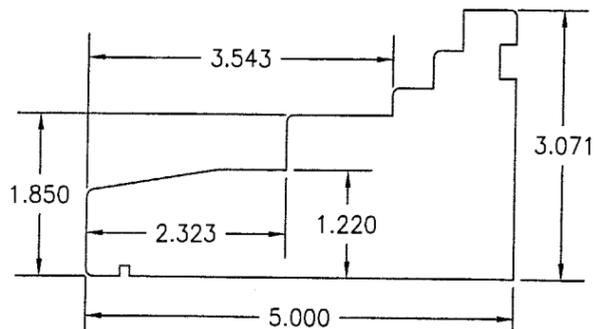
DRAWING TITLE: LUXBAUM WINDOWS & DOORS
WOODEN SLIM EUROPEAN DOOR SYSTEM
MANUFACTURER: LUXBAU, LLC
2400 CENTERPARK WEST DRIVE, SUITE 150
WEST PALM BEACH, FL 33409
561-684-1500

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

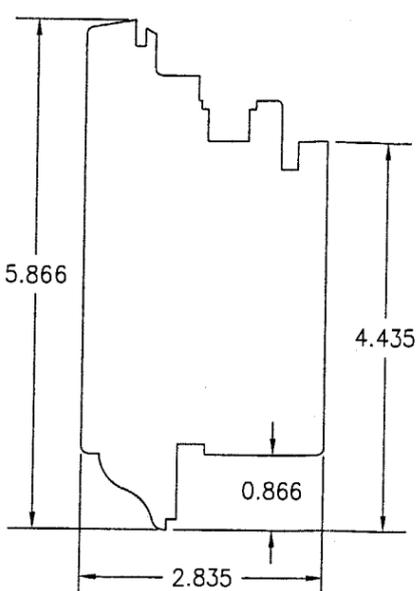
CERTIFICATION	MAY 27 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1193	REV.
SHEET NO.	3	OF 4



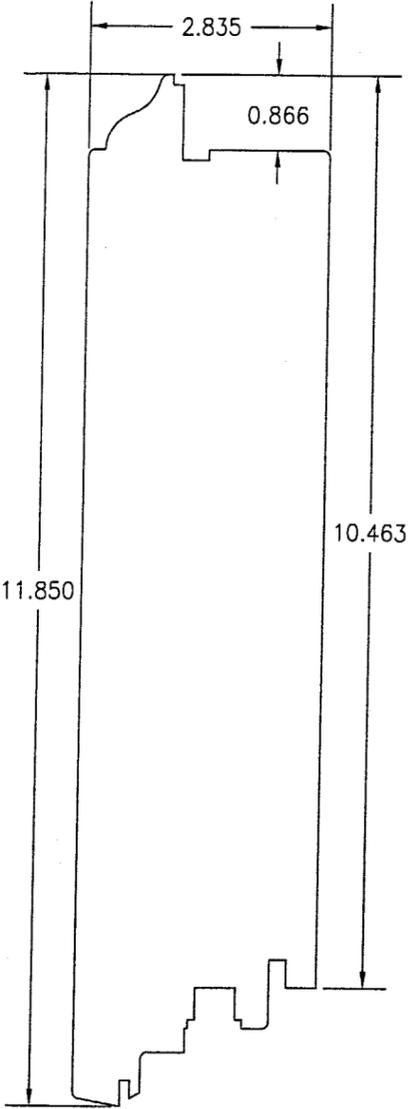
① HEAD & SIDE JAMB



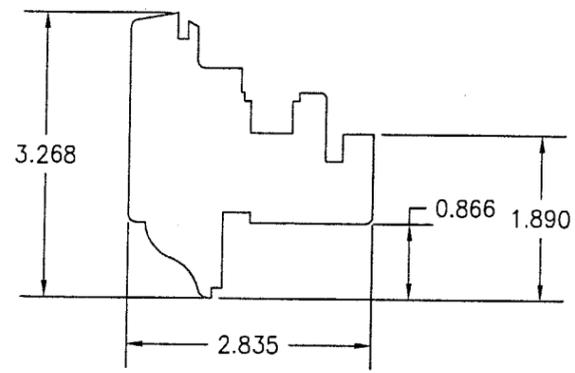
② SILL JAMB



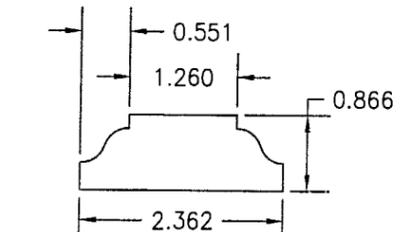
③ TOP RAIL



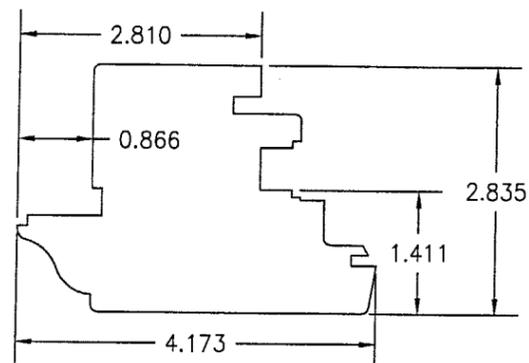
④ BOTTOM RAIL



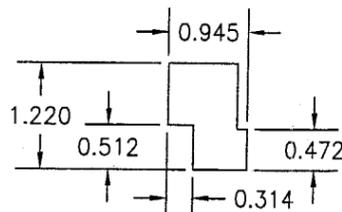
⑤ HINGE STILE



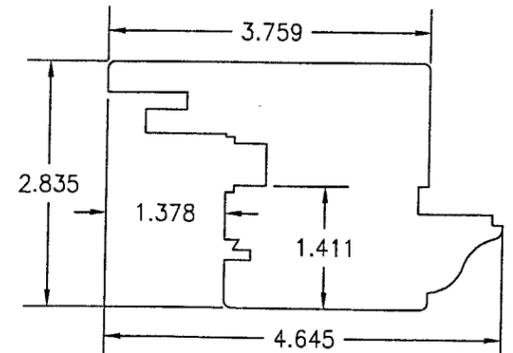
⑧ ASTRIGAL CAP



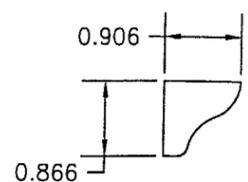
⑥ ACTIVE MEETING STILE



⑨ ASTRIGAL

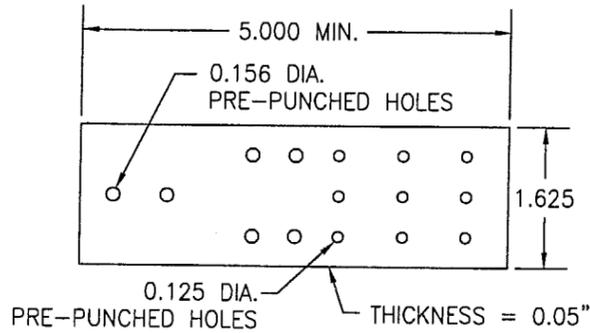


⑦ INACTIVE MEETING STILE



⑩ GLAZING BEAD

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.



⑪ MASONRY CLIP

PRE-PUNCHED HOLES ARE ADDED FOR CLIPS LONGER THAN 5"

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

DRAWING TITLE: LUXBAUM WINDOWS & DOORS
WOODEN SLIM EUROPEAN DOOR 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: MAY 27 2003
By: *Warren W. Schaefer*
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1193
SHEET NO. 4 OF 4

Approved as complying with the Florida Building Code
Date 03/13/03
NOA# 03-0502-10
Miami Code Product Control
Division
By: *Warren W. Schaefer*