



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

NOTICE OF ACCEPTANCE (NOA)

Luxbau, LCC
2400 Centre park W. Drive, 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: Luxbaum Windows & Doors 12' Wood Slim European Impact Outswing French Door

APPROVAL DOCUMENT: Drawing No.1284, titled "Luxbaum Windows & Doors 12 Foot Wood Slim European Impact Outswing French Doors", sheets 1 through 7 of 7, dated 08/28/06, 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 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 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
12/19/06

NOA No 06-0926.08
Expiration Date: January 11, 2012
Approval Date: January 11, 2007
Page 1

Luxbau, LCC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's part drawings and sections.
2. Drawing No **1284**, Sheets 1 through 7 of 7, titled "Luxbaum Windows & Doors 12 Foot Wood Slim European Impact Outswing French Doors", prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 08/28/06, 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 Wooden Slim European Door System, prepared by Hurricane Test Laboratory, LLC Test Report No. **HTL-0271-0406-05**, dated 09/30/05, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A. Dated 09/19/06 signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

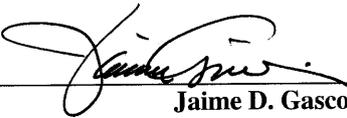
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for their "DuPont SentryGlas® Plus Material" dated 01/17/02, expiring on 01/14/07.

F. STATEMENTS

1. Statement letter of conformance, dated July 13, 2006 signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated July 13, 2006, signed and sealed by Warren W. Schaefer, P.E.

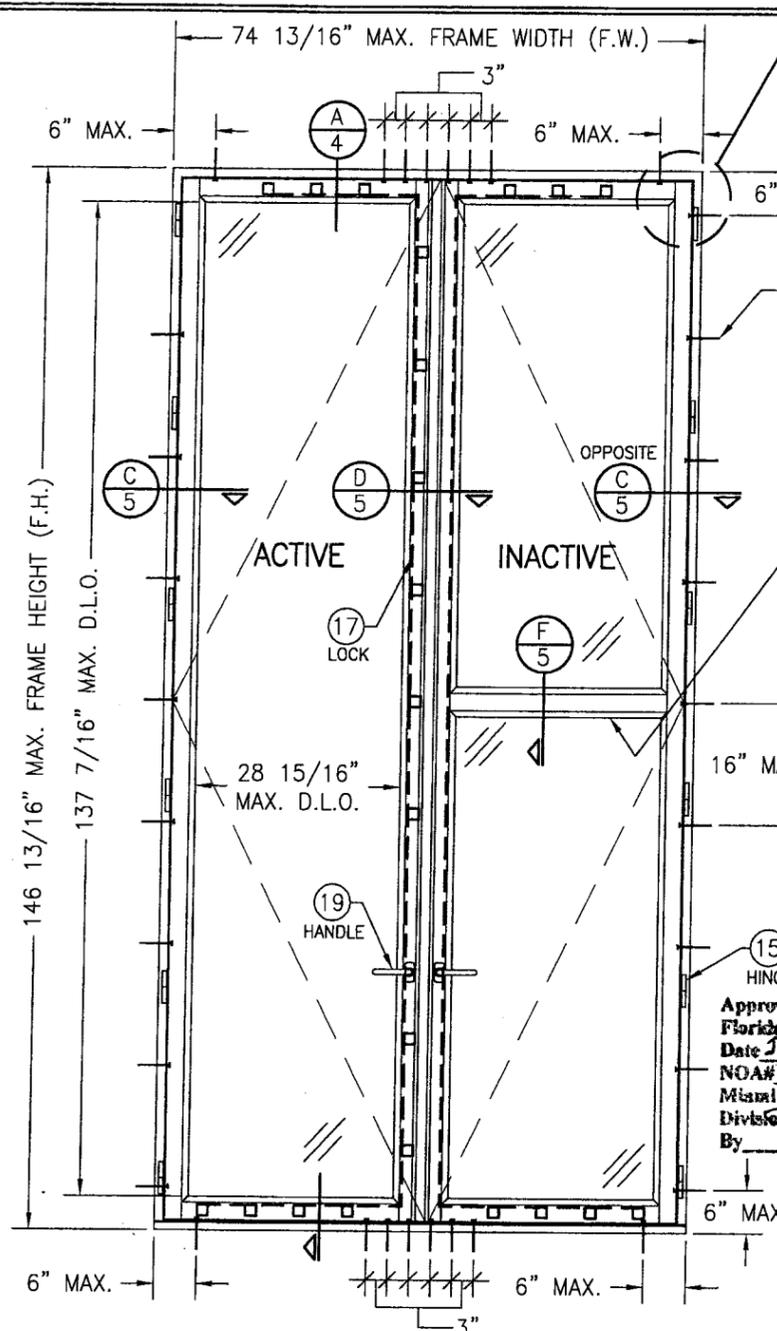
G. OTHER

1. Letter clarifying that Luxbau, LLC owns and operates the manufacturing facility in Bali, Indonesia, dated May 2, 2003.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0926.08

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

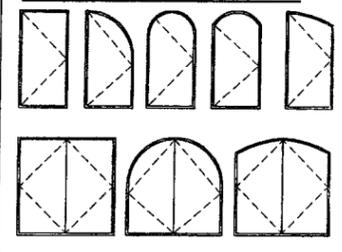
GENERAL NOTES

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 & 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 THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) FOR 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 WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
65 PSF	70 PSF

HINGE REQUIREMENTS		
DOOR SHAPE	FRAME HEIGHT	MIN. # OF HINGES
RECTANGULAR DOORS	OVER 120"	6
	100" TO 120"	5
	LESS THAN 100"	4
ARCH TOP DOORS	OVER 120"	6
	100" TO 120"	5
	LESS THAN 100"	4
FULL RADIUS TOP DOORS	OVER 120"	5
	100" TO 120"	4
	LESS THAN 100"	3

APPROVED SHAPES



NOTES:
 1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED ON THIS SHEET.
 2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

CORNER CONSTRUCTION

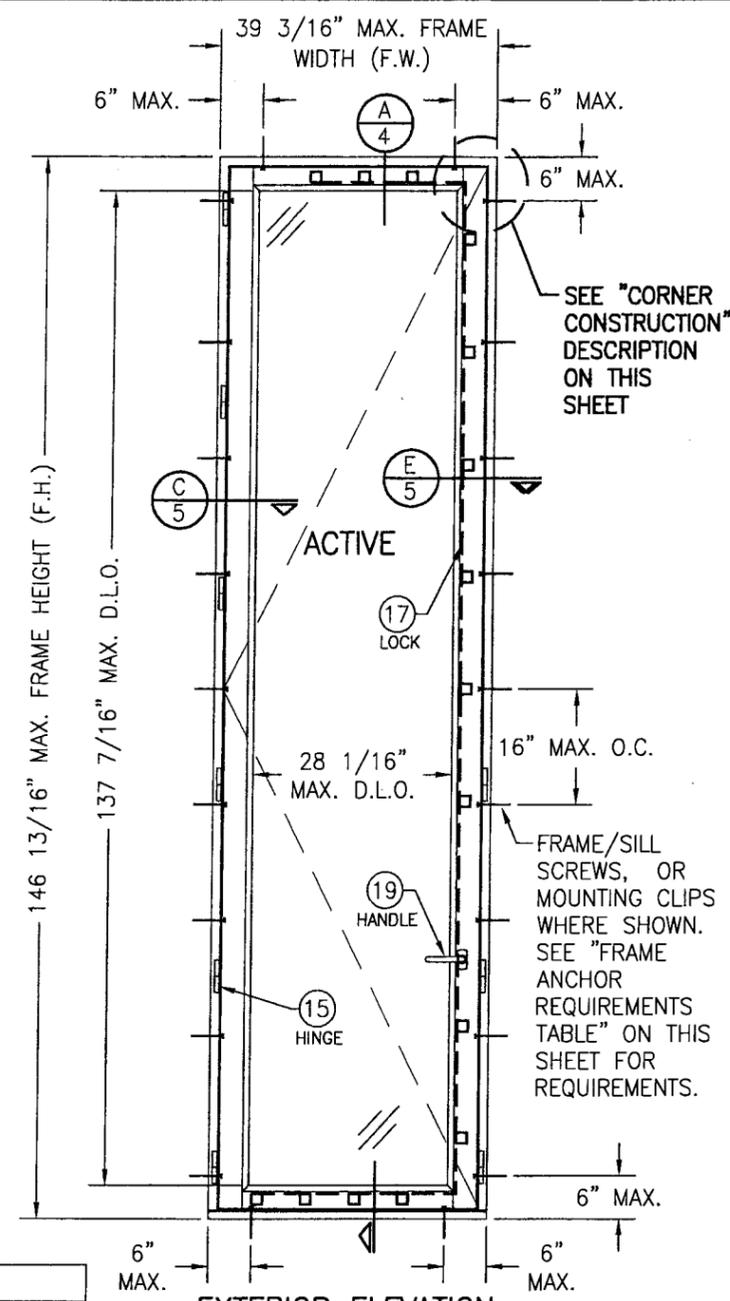
Approved as complying with the Florida Building Code
 Date JANUARY 11 2007
 NOA# 06-0926-08
 Miami Code Product Control Division
 By [Signature]

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.
PANEL 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.

FRAME ANCHOR REQUIREMENTS TABLE

SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK	NO. 12 SMS OR 1/4" BTI SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
MIN. 1/8" 6063-T5 ALUMINUM OR A36 STEEL	NO. 12 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
CMU/CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MOUNTING CLIP SCREWS			
OPENING TYPE (SUBSTRATE)	FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK	NO. 8 SMS SCREWS	1 3/8"	1/2"
MIN. 16 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"
MIN. 1/8" 6063-T5 ALUMINUM OR A36 STEEL	NO. 8 GR. 5 SELF TAPPING/DRILLING SCREW	FULL	1/2"

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

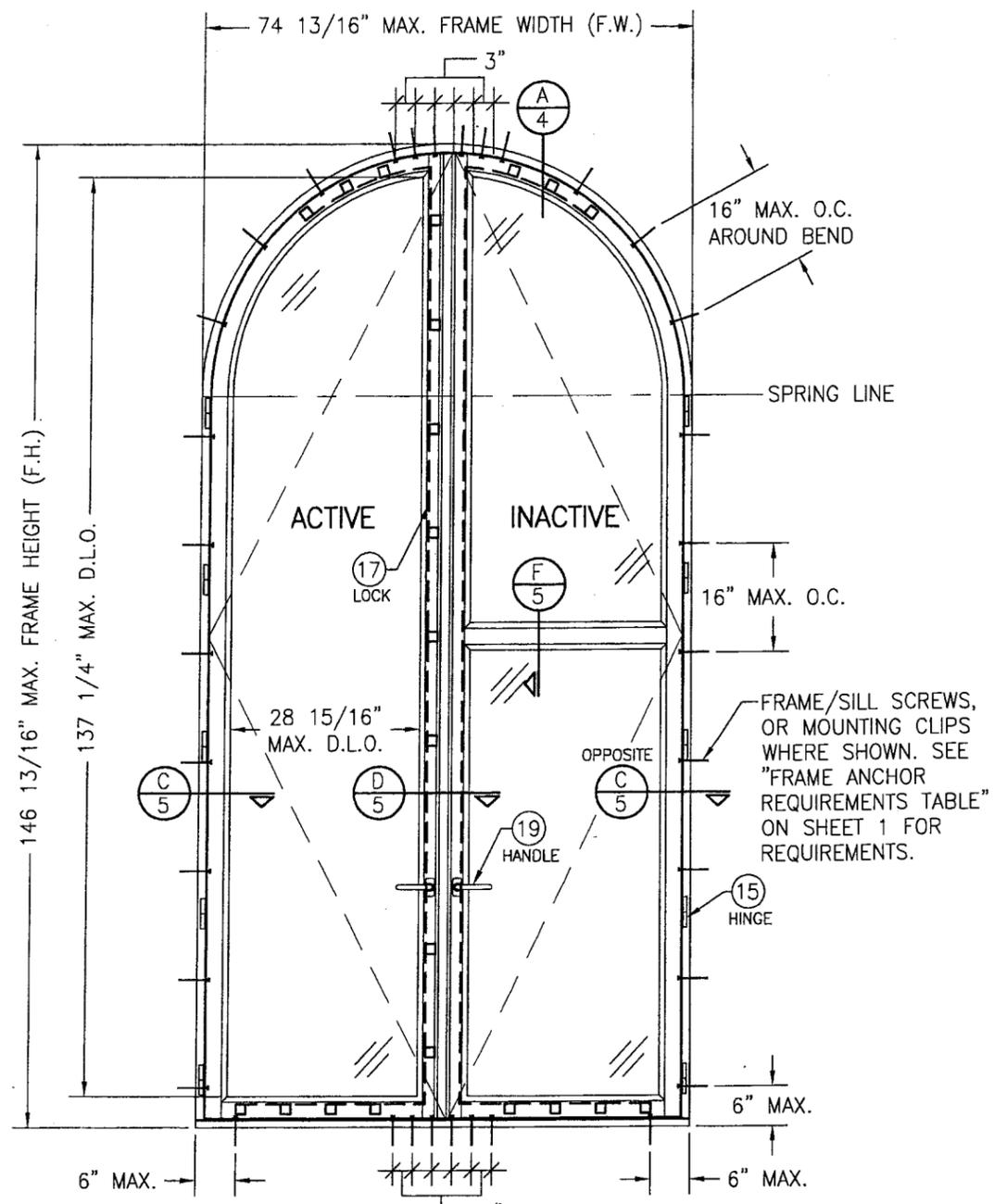


**EXTERIOR ELEVATION
SINGLE RECTANGULAR DOOR**
SCALE: 1/2" = 1'-0"

LOCK REQUIREMENTS TABLE

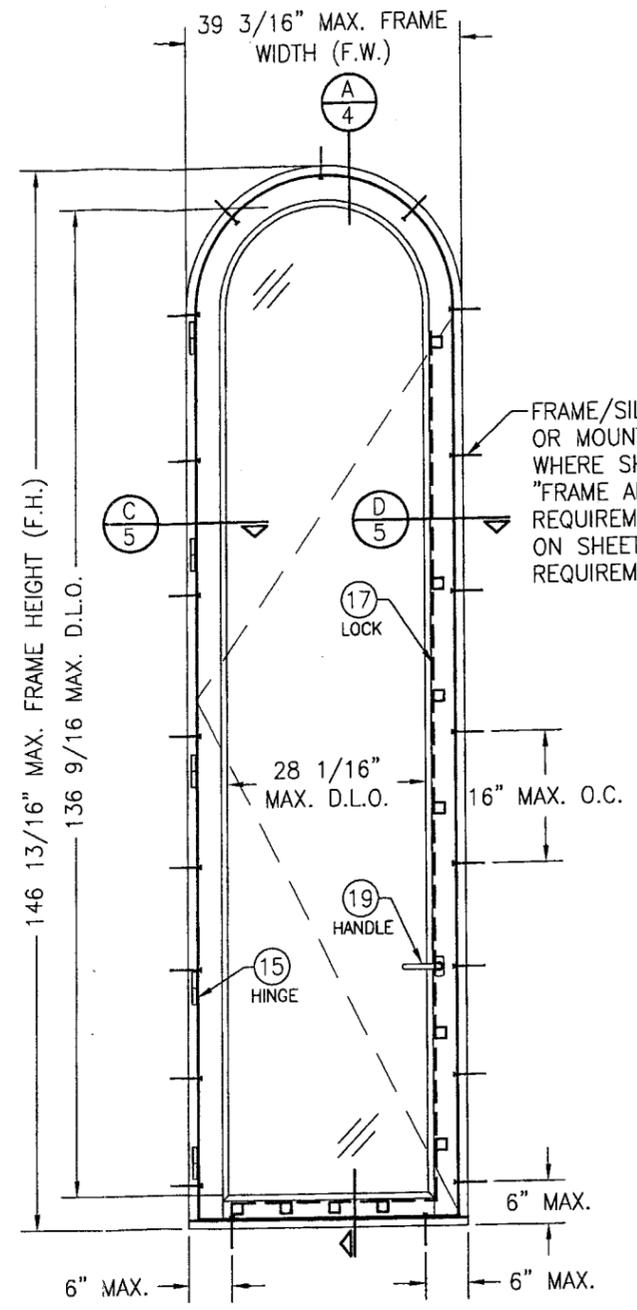
PANEL LOCATION	MIN. PANEL HEIGHT/WIDTH (IN)	MAX. PANEL HEIGHT/WIDTH (IN)	NO. LOCK POINTS	
			ACTIVE	INACTIVE
SIDE	126"	144"	8	-
	108"	125"	7	-
TOP	90"	107"	6	-
	34"	36"	3	3
BOTTOM	30"	33"	2	2
	34"	36"	4	4
	30"	33"	3	3

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 08/28/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
12 FOOT WOOD SLIM EUROPEAN IMPACT OUTSWING FRENCH DOORS 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	
DRAWING TITLE: LUXBAUM WINDOWS & DOORS MANUFACTURER:	
CERTIFICATION SEP 10 2006 W. W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1284	REV.
SHEET NO. 1 OF 7	



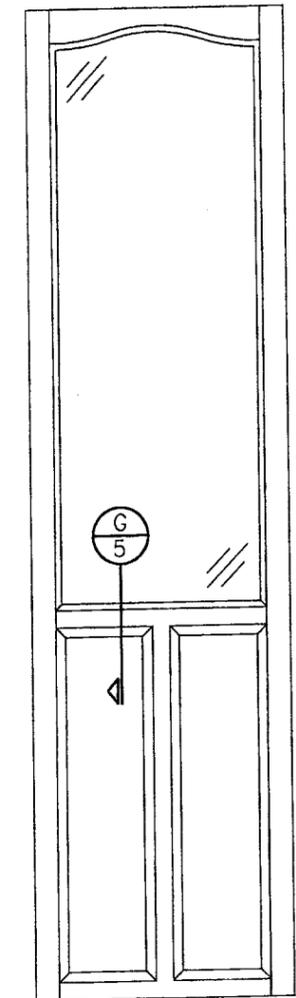
**EXTERIOR ELEVATION
DOUBLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(OTHER SHAPES APPLY. SEE SHAPES TABLE ON SHEET 1)



**EXTERIOR ELEVATION
SINGLE HALF ROUND DOOR**

SCALE: 1/2" = 1'-0"
(OTHER SHAPES APPLY. SEE SHAPES TABLE ON SHEET 1)

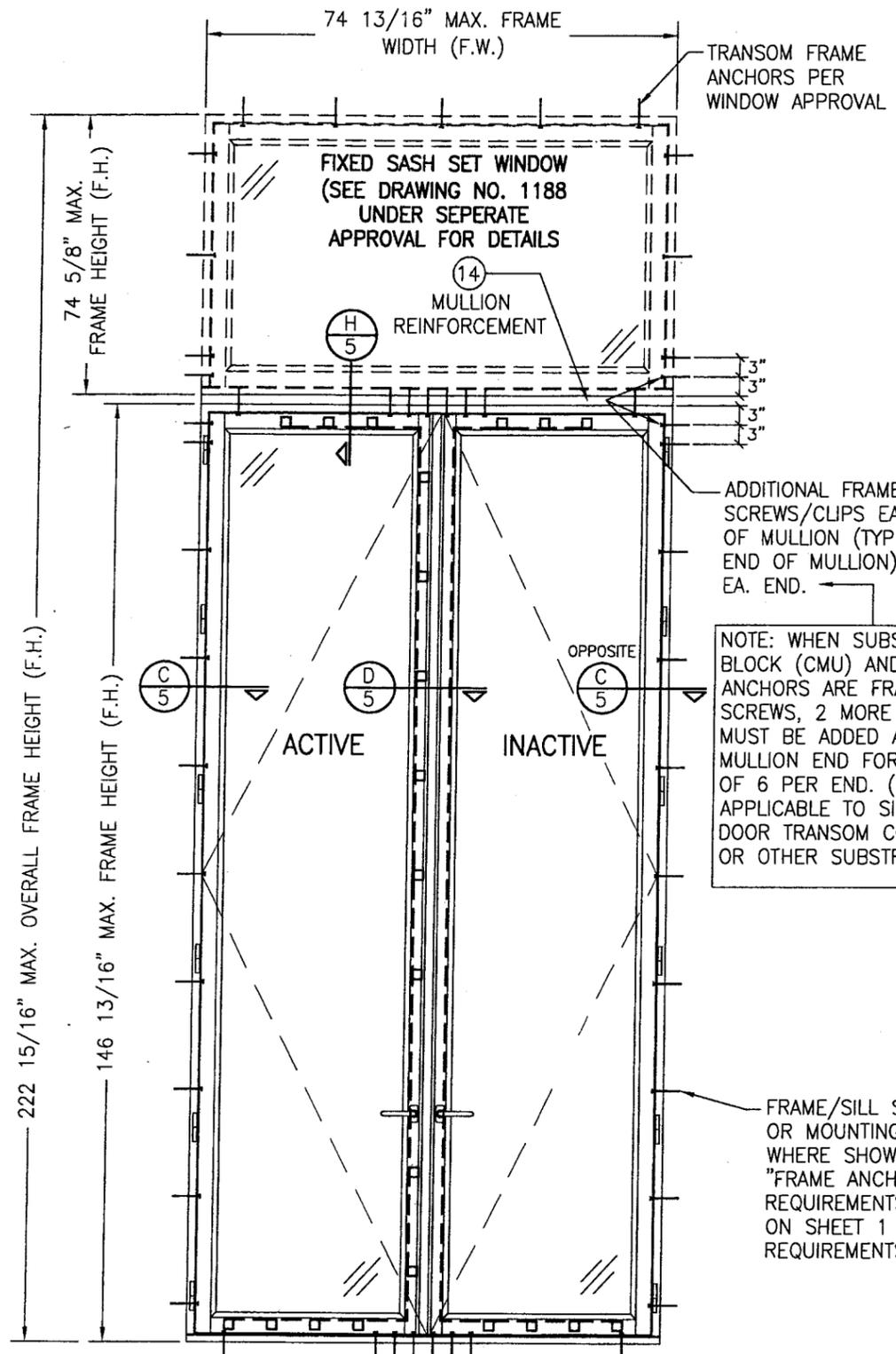


**EXTERIOR ELEVATION:
PARTIAL RAISED PANEL
WITH STANDARD MID RAILS**
SCALE: 1/2" = 1'-0"

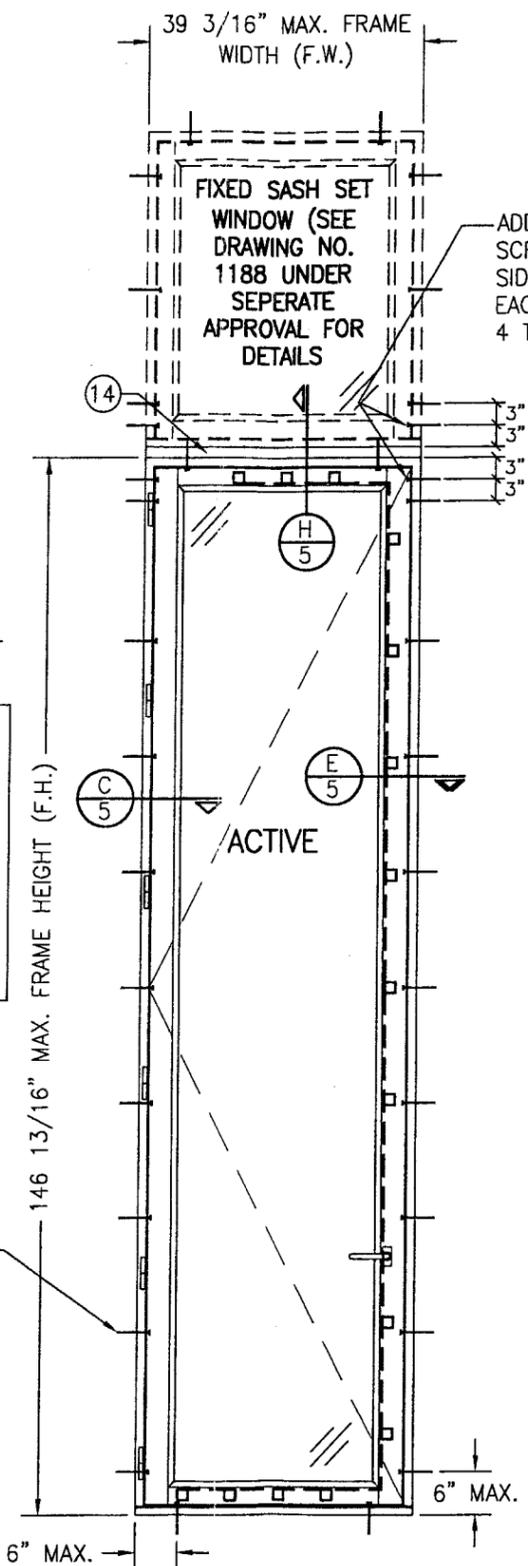
1. TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
2. MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
3. STANDARD PARTIAL PANEL CONDITION IS SHOWN ABOVE. OTHER PARTIAL PANEL CONFIGURATIONS ARE ALSO PART OF THIS APPROVAL, PROVIDING THEY ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
4. PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

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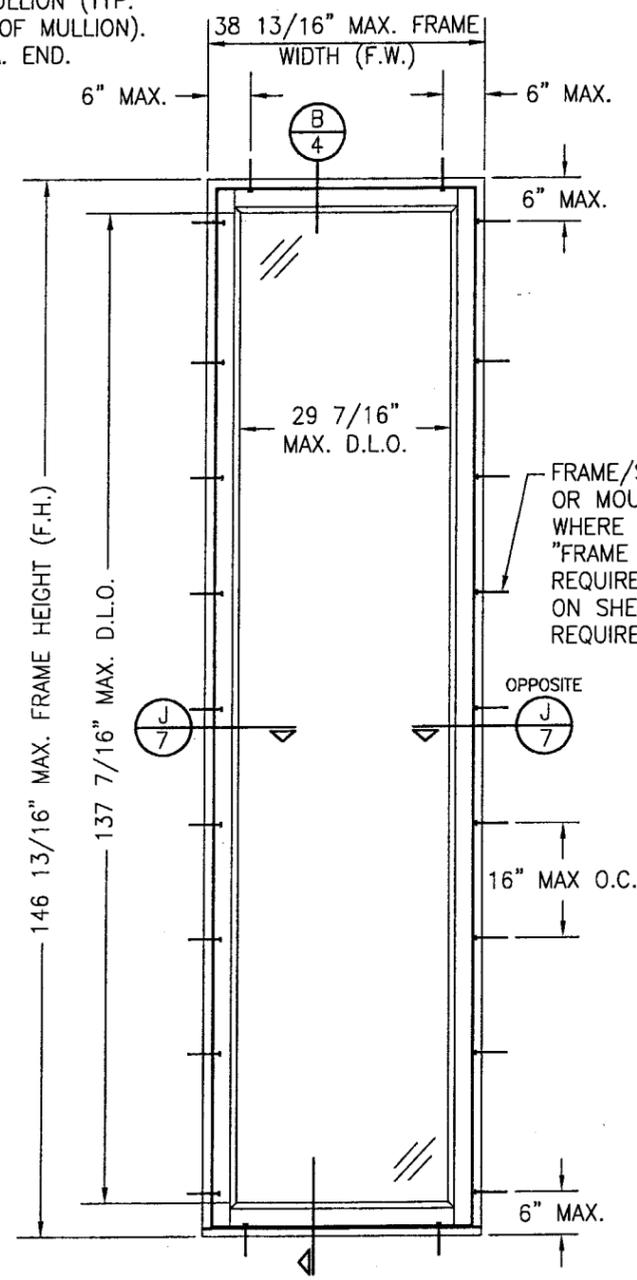
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PLOT: 1=24		DATE: 08/28/06	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: LUXBAUM WINDOWS & DOORS			
12 FOOT WOOD SLIM EUROPEAN IMPACT OUTSWING FRENCH DOORS			
CONSULTANTS: LUXBAU, LLC			
2400 CENTERPARK WEST DRIVE, SUITE 150			
WEST PALM BEACH, FL. 33409			
561-684-1500			
MANUFACTURER: 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			
WARRICK W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1284		REV.	
SHEET NO. 2		OF 7	



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



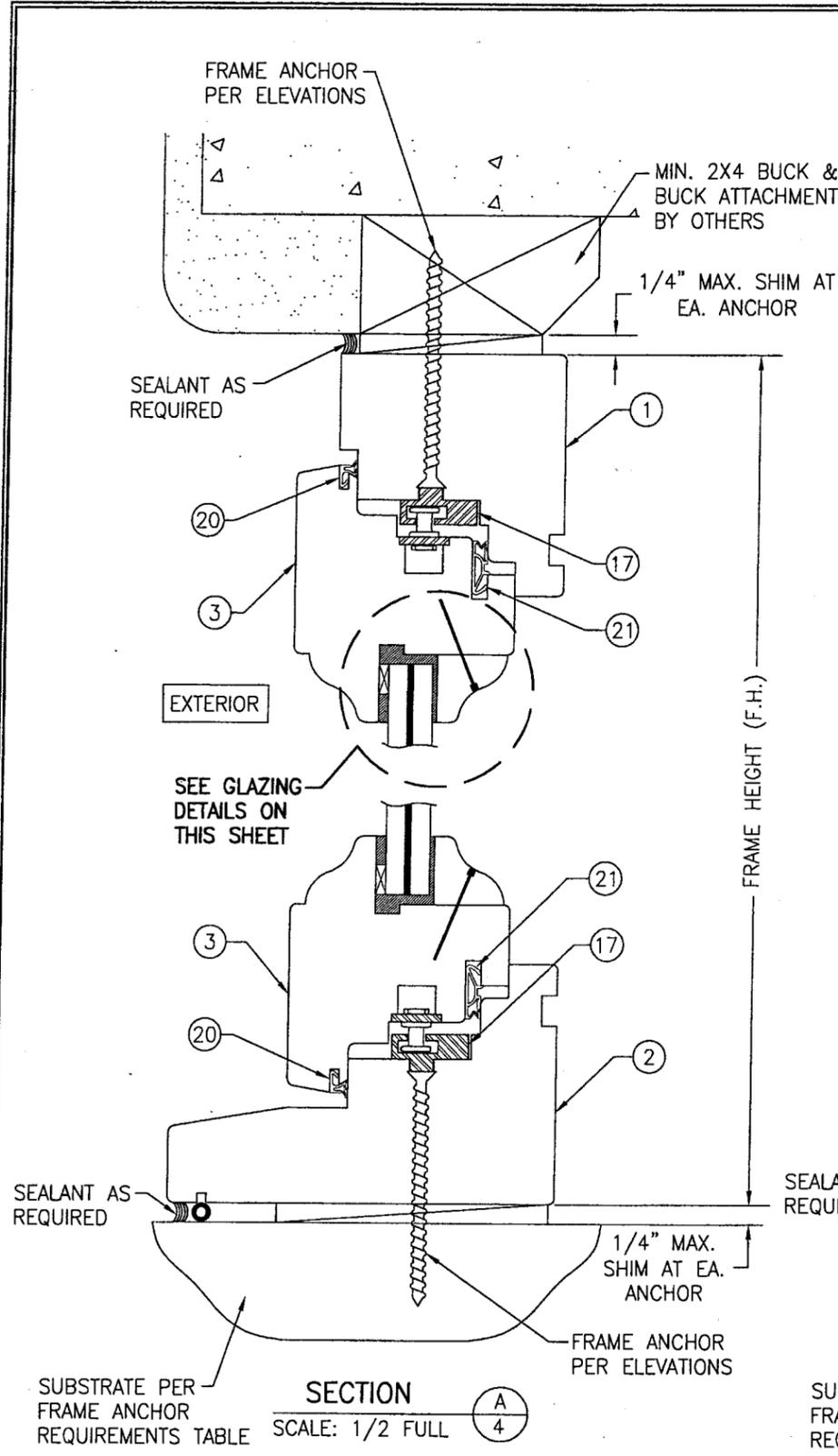
**EXTERIOR ELEVATION
SINGLE DOOR WITH TRANSOM**
SCALE: 1/2" = 1'-0"
SEE SINGLE RECTANGULAR DOOR
ELEVATION FOR DOOR DETAIL NOT SHOWN
NOTE: DOOR MAY ALSO BE A FIXED PANEL DOOR



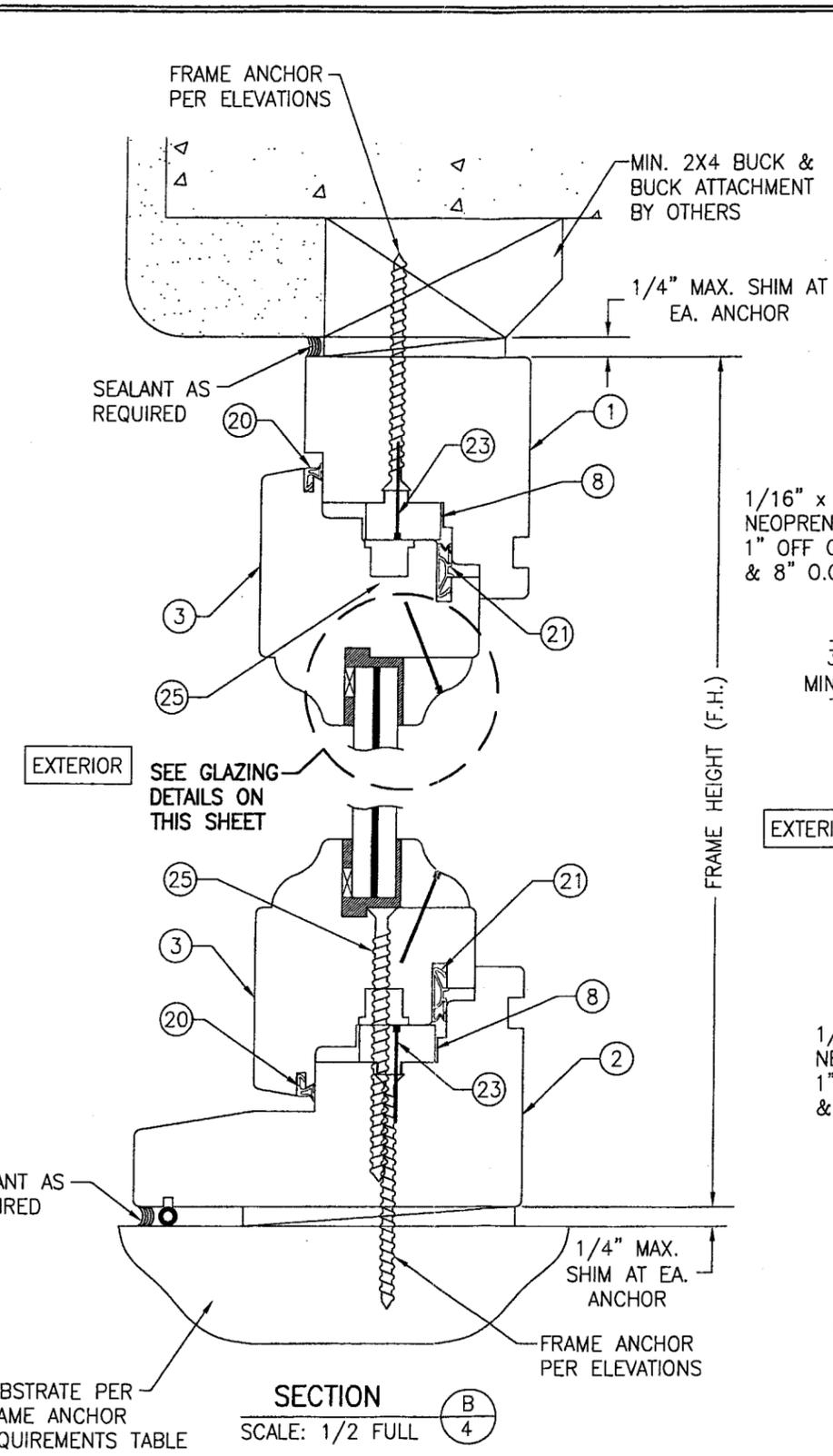
**EXTERIOR ELEVATION
SINGLE FIXED PANEL**
SCALE: 3/4" = 1'-0"
RECTANGULAR SHOWN, OTHER SHAPES
APPLY PER SHAPE TABLE ON SHEET 1

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NOAH 06-0926-08
Miami Dade Product Control
Division
By *[Signature]*

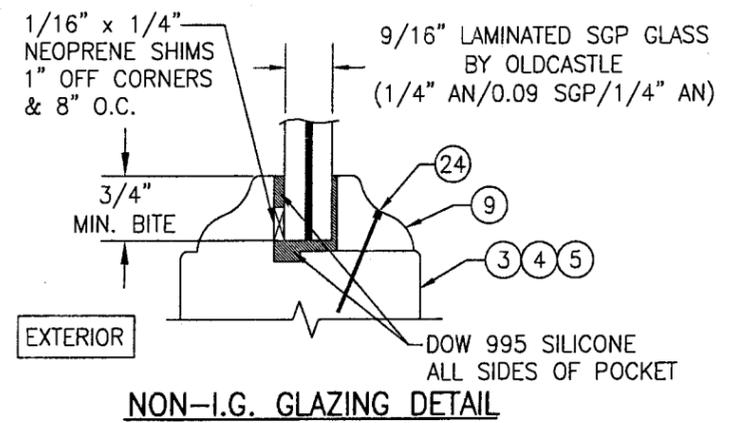
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 08/28/06
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: LUXBAUM WINDOWS & DOORS	
12 FOOT WOOD SLIM EUROPEAN IMPACT OUTSWING FRENCH DOORS	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM 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	
SEP 19 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
1284	
SHEET NO.	
3	OF 7



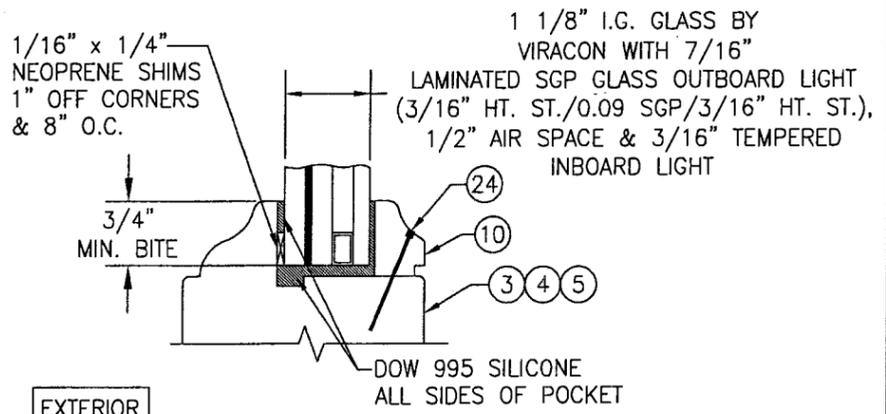
SECTION A
SCALE: 1/2 FULL



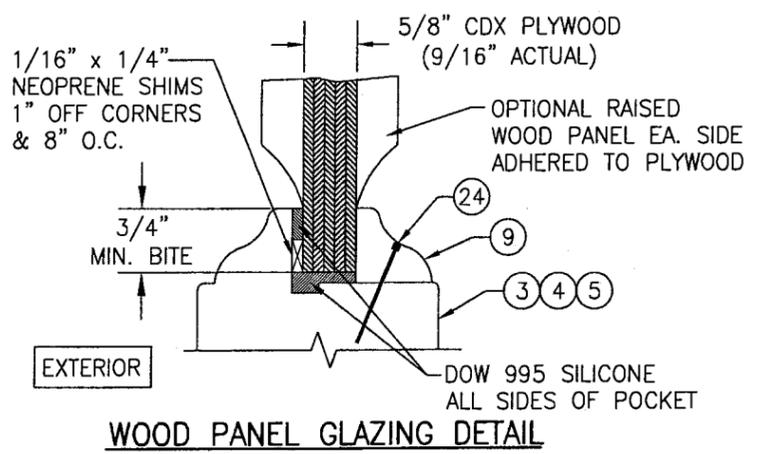
SECTION B
SCALE: 1/2 FULL



NON-I.G. GLAZING DETAIL



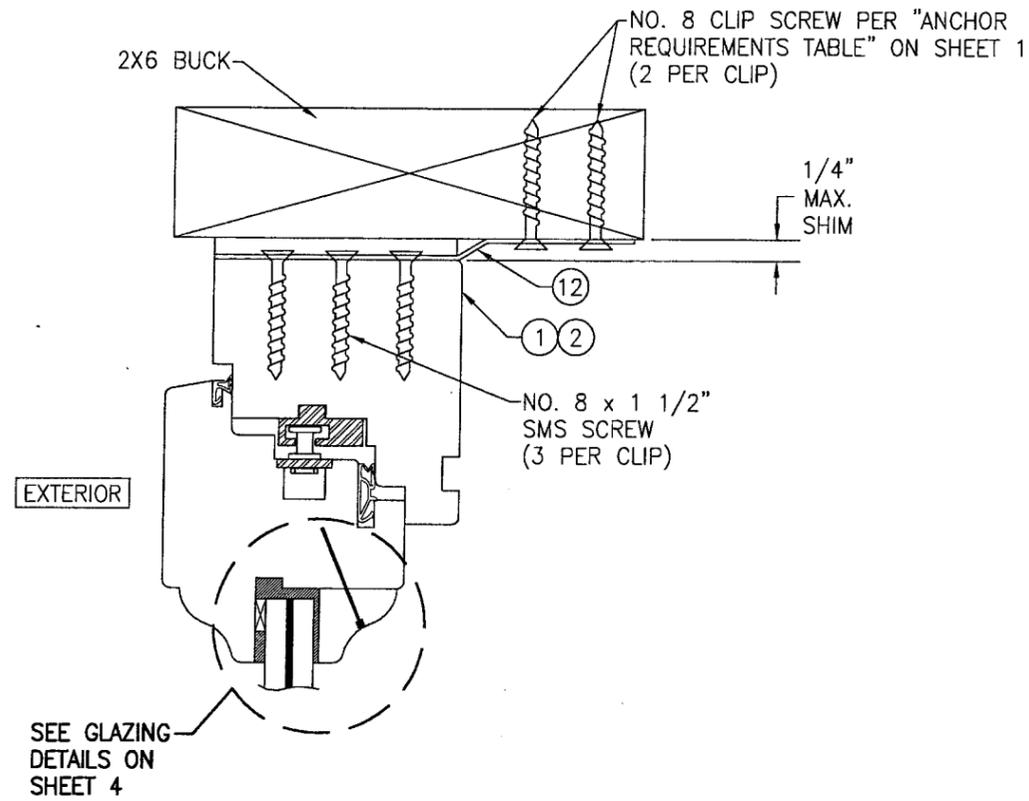
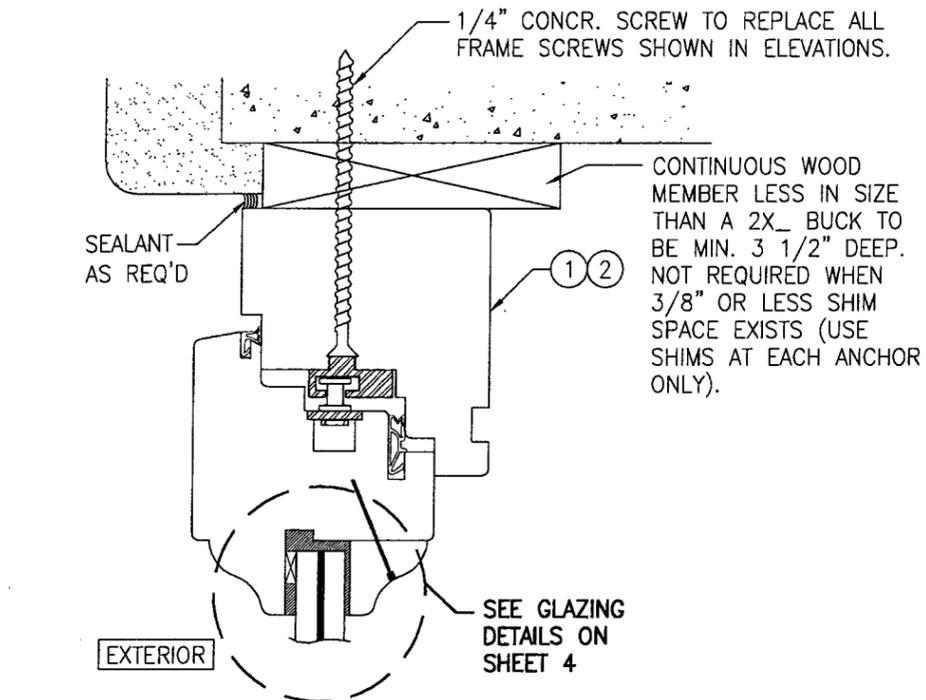
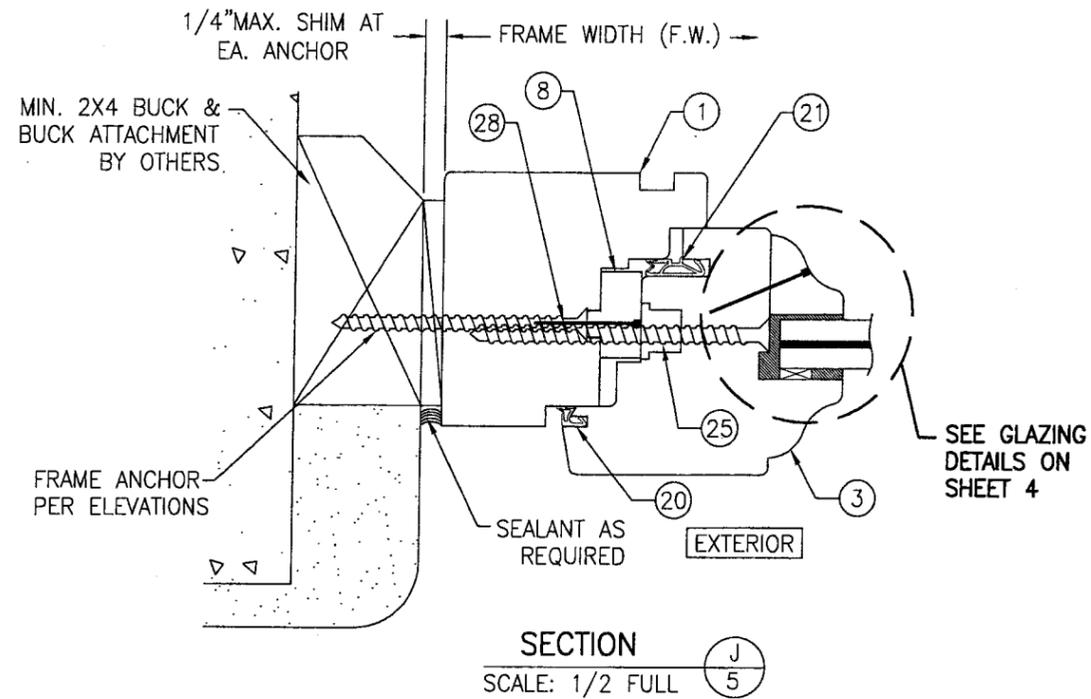
I.G. GLAZING DETAIL



WOOD PANEL GLAZING DETAIL

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Division
By [Signature]

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 08/28/06	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: LUXBAUM WINDOWS & DOORS			
12 FOOT WOOD SLIM EUROPEAN IMPACT OUTSWING FRENCH DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		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			
SEP 19 2006			
DRAWING NO. 1284		REV.	
SHEET NO. 4		OF 7	

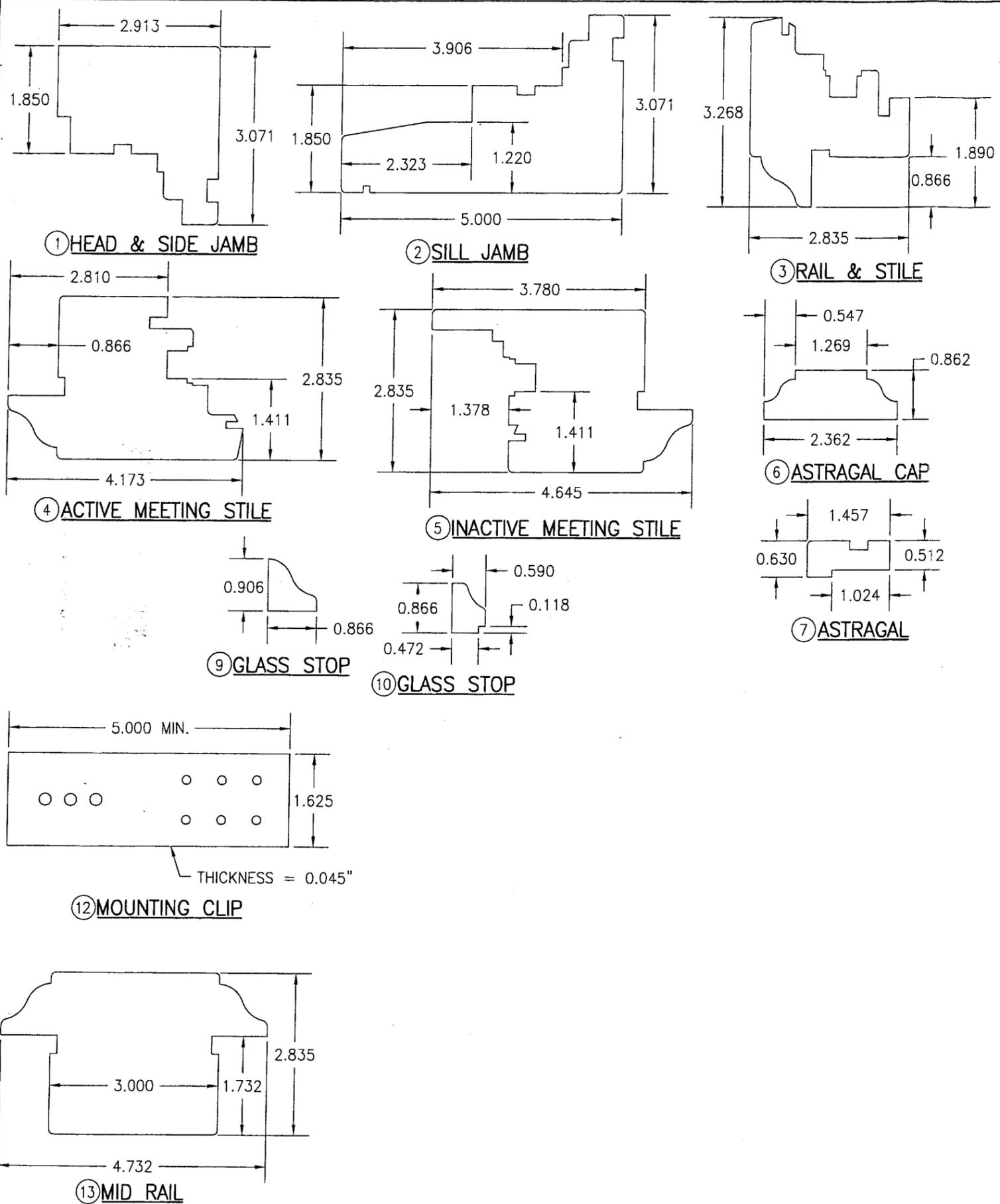


OPTIONAL CLIP MOUNT DETAIL
 HEAD SECTION SHOWN, SIDES AND SILL ANCHORS THE SAME
 SEE OTHER SECTION FOR DETAIL NOT SHOWN

**OPTIONAL DIRECT MOUNT DETAIL
 TO BLOCK OR CONCRETE WITH SPACER OR SHIM**
 HEAD SECTION SHOWN, SIDES AND SILL SIMILAR

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 NOAH 06-0926.08
 Miami Dade Product Control
 Division
 By *[Signature]*

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 08/28/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: LUXBAUM WINDOWS & DOORS			
CONSULTANTS: 12 FOOT WOOD SLIM EUROPEAN IMPACT OUTSWING FRENCH DOORS			
MANUFACTURER: LUXBAU, LLC			
2400 CENTERPARK WEST DRIVE, SUITE 150			
WEST PALM BEACH, FL. 33409			
561-684-1500			
CONSULTANT'S: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
8895 N. MILITARY TRAIL, SUITE C-204			
PALM BEACH GARDENS, FL. 33410			
PHONE: 561-775-4802 FAX: 561-775-4803			
CERTIFICATION SEP 19 2008		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1284		REV.	
SHEET NO. 6		OF 7	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	7478	HEAD & SIDE JAMB	MERBAU
2	78127	SILL JAMB	MERBAU
3	7283	RAIL & STILE	MERBAU
4	72106	ACTIVE MEETING STILE	MERBAU
5	72118	INACTIVE MEETING STILE	MERBAU
6	2260	ASTRAGAL CAP	MERBAU
7	1637	ASTRAGAL	MERBAU
8	-	SPACER	MERBAU
9	2223	GLASS STOP	MERBAU
10	1522	GLASS STOP	MERBAU
12	-	MOUNTING CLIP	ASTM A653 MIN. 33 KSI GALV. STEEL
13	72105	MID RAIL	MERBAU
14	-	MULLION (5 1/2" X 1 1/2")	MERBAU
HARDWARE			
15	-	HINGE	G-U HARDWARE 5020--SM
16	-	HINGE	BAKA C2-20
17	-	MULTI-POINT LOCK SET	SIEGENIA NO. 3/45M5
19	-	HANDLE	AS REQUIRED TO OPERATE LOCKS
SEALS AND SEALANTS			
20	-	COMPRESSION SEAL	DEVENTER SV33
21	-	COMPRESSION SEAL	DEVENTER SV12
22	-	COMPRESSION SEAL	DEVENTER S6544
MISCELLANEOUS FASTENERS			
23	-	23 GAGE BRAD NAIL	4" FROM ENDS & 14" O.C.
24	-	23 GAGE BRAD NAIL	2" FROM CORNERS & 4" O.C.
25	-	NO. 12 X 3 1/2" SMS	4" FROM CORNERS & 12" O.C.
26	-	NO. 0 BISCUIT	4" FROM ENDS & 14" O.C.
27	-	NO. 8 X 1 1/2" SMS	4" FROM ENDS & 14" O.C. (2 ROWS)

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE: 08/28/06			
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1284					
SHEET NO.		7 OF 7			

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