



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Ultimate Door of Palm Beach, Inc.
2800 2nd Avenue North
Lake Worth ,FL 33461

Your application for Notice of Acceptance (NOA) of:

"Ultimate Door" Aluminum Clad Outswing Wood French Doors - Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0124.12
EXPIRES: 04/16/2006

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 05/10/2001

Ultimate Door of Palm Beach, Inc.

ACCEPTANCE No.: 01-0124.12

APPROVED : MAY 10 2001

EXPIRES : April 16, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 00-0912.03, which was issued on January 04, 2001. It approves a wood swing door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The "**Ultimate Door**" **Aluminum Clad Outswing Wood French Doors –Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Dwg. #: **1004A**, Sheets 1 thru 7 of 7, titled "Outswing French Doors" prepared by manufacturer, dated 02/24/00, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in the approved drawings. Single door units shall include all components described in the active leaf of this approval.

3.2 Installation is limited by the Design Pressure Rating shown in approved drawings.

4. INSTALLATION

4.1 The wood swing doors and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

5. LABELING

5.1 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".

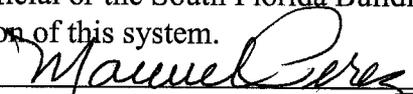
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Ultimate Door of Palm Beach, Inc.

ACCEPTANCE No.: 01-0124.12

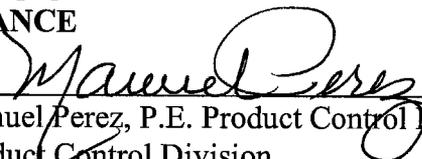
APPROVED : MAY 10 2001

EXPIRES : April 16, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



Manuel Perez, P.E. Product Control Examiner
Product Control Division

Ultimate Door of Palm Beach, Inc.

ACCEPTANCE No.: 01-0124.12

APPROVED : MAY 10 2001

EXPIRES : April 16, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1004A**, Sheets 1 through 7 of 7, titled "Outswing French Doors" prepared by manufacturer, dated 02/24/00, signed and sealed by Warren W. Schaeffer, P.E.

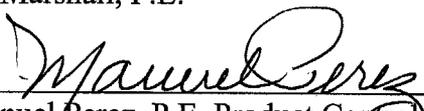
B. TESTS

Tests performed under Approval No. 00-0921.03

1. Test reports on 1) Large Missile Impact Test, SFBC PA 201-94
2) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of an out-swinging wood door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1212-99**, dated 12/08/99, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Load Static Air Pressure Test, per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an out-swinging wood door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1212-99**, dated 12/08/99, signed and sealed by Vinu J. Abraham, P.E.

Tests performed under Approval No. 97-0921.01

1. Test reports on 1) Large Missile Impact Test, SFBC PA 201-94
2) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of an out-swinging wood door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0913-96**, dated 06/26/97 and 09/23/96, signed and sealed by Timothy Marshall, P.E. and Fredrick D. Shaffer, P.E.
2. Test reports on 1) Forced-Entry Resistance Test, per SFBC 3603.2 (b) and PA 202-94.
along with installation diagram of an out-swinging wood door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0501-96**, dated 05/10/96, signed and sealed by Timothy Marshall, P.E.
3. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Load Static Air Pressure Test, per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an out-swinging wood door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0214-97**, dated 01/09/97, signed and sealed by Timothy Marshall, P.E.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Ultimate Door of Palm Beach, Inc.

ACCEPTANCE No.: 01-0124.12

APPROVED : MAY 10 2001

EXPIRES : April 16, 2006

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

C. CALCULATIONS

Submitted under approval No. 97-0912.01

1. Engineering & Anchor Calculations, prepared by W. W. Schaefer, Engineering & Consulting, P.A. dated 08/12/97, signed and sealed by Warren W. Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

Submitted under approval No. 00-0912.03

1. Notice of Acceptance No. **97-0527.04** issued to Nebula Glass International Inc. for their "Glasslam Safety-Plus Laminated Glass" dated 09/09/97, expiring on 09/09/00.

E. STATEMENTS

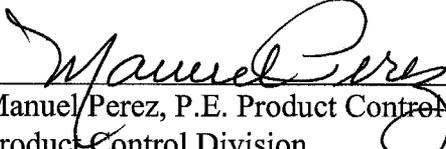
1. Letter from Ultimate Door of Palm Beach, Inc. dated January 22, 2001, stating that the product has not changed since it was originally approved, and that their engineer is still in practice.

Submitted under approval No. 97-0912.01

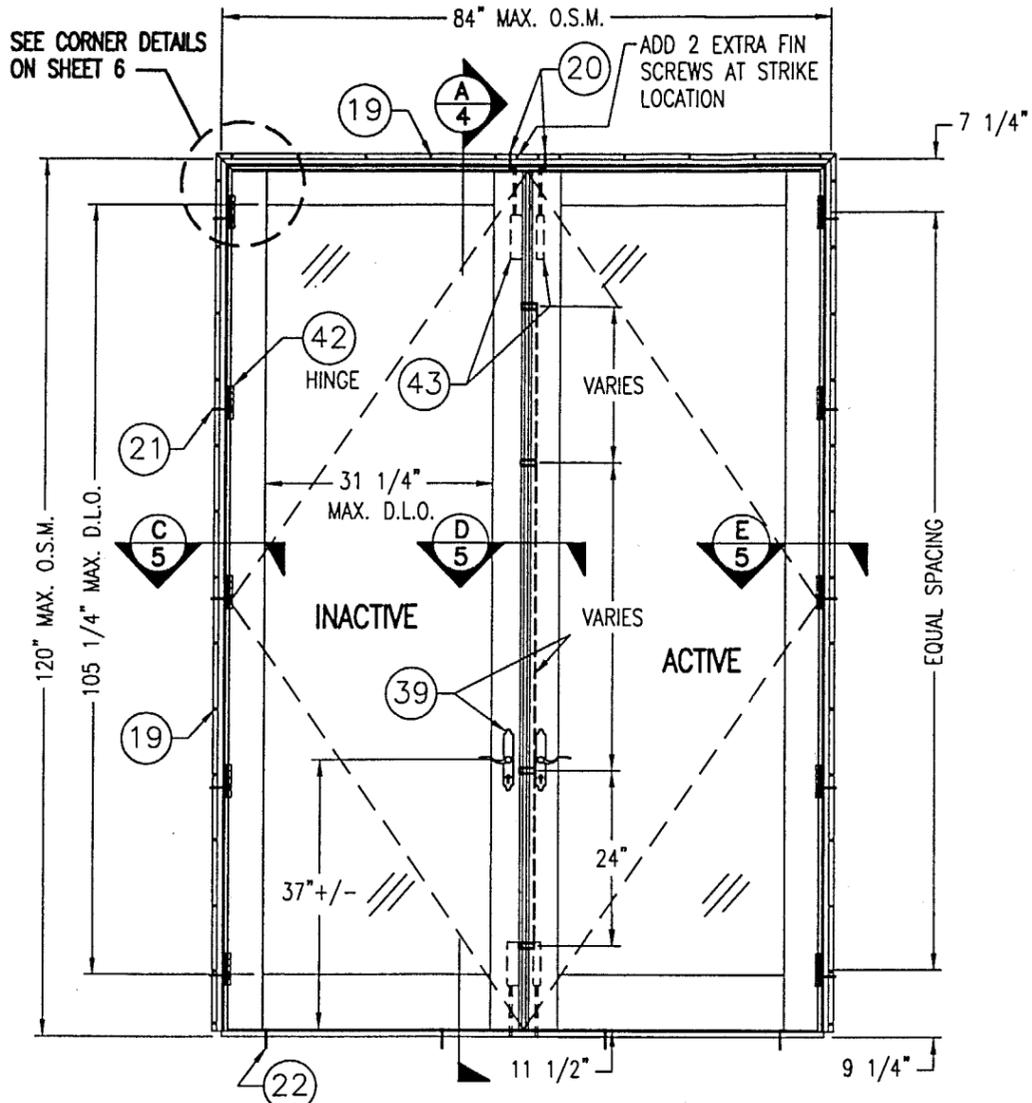
2. No Financial Interest Statement issued by W. W. Schaefer Engineering & Consulting, P.A., dated on March 1, 2000, signed and sealed by Warren Schaefer, P.E.
3. Compliance Letter, Statement issued by W. W. Schaefer Engineering & Consulting, P.A., dated on March 1, 2000, signed and sealed by Warren Schaefer, P.E.
4. Letter requesting a revision on Approval No. 97-0912.01 issued by W. W. Schaefer Engineering & Consulting, P.A., dated on March 1, 2000, signed and sealed by Warren Schaefer, P.E.

F. OTHER

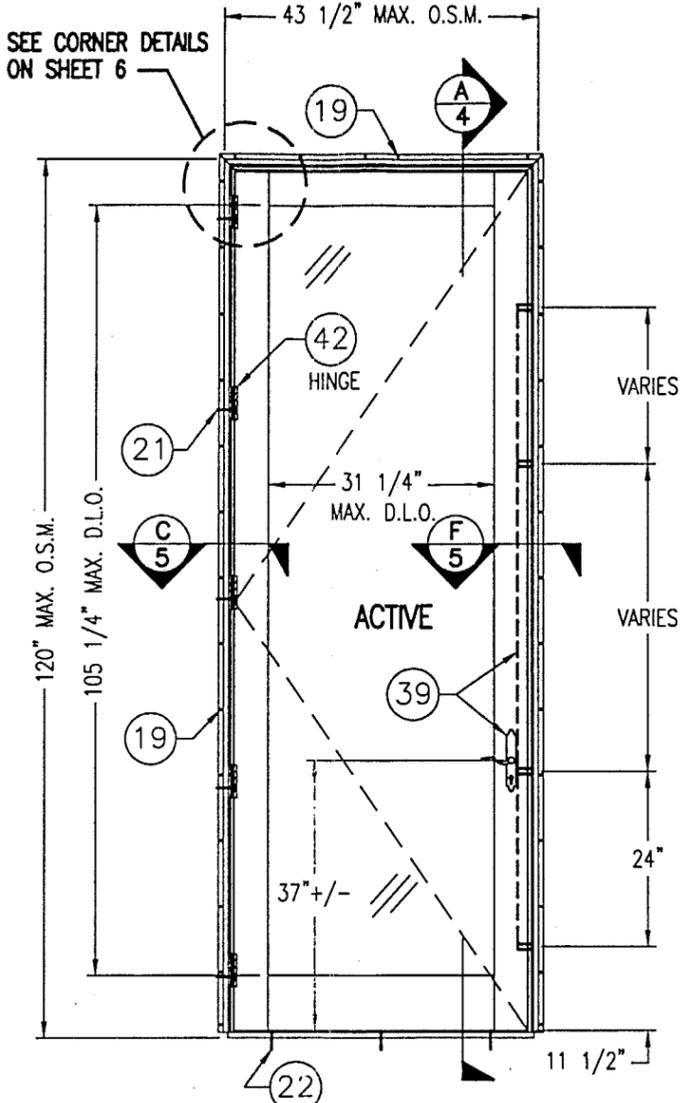
1. Notice of Acceptance No. **00-0912.03** issued to Ultimate Door of Palm Beach, Inc. for their "Ultimate Door" Aluminum Clad Outswing Wood French Doors -Impact Resistant dated 01/04/01, expiring on 04/16/01.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

DRAWN BY:	W.W.S.	DATE:	02/24/00
CHECKED BY:	W.W.S.	DATE:	02/24/00
PLOT: 1=24			
NO.	REVISION DESCRIPTION	BY	DATE



**84" X 120" DOUBLE
RECTANGULAR FRENCH DOOR**
SCALE: 1/2" = 1'-0"



**43 1/2" X 120" SINGLE
RECTANGULAR FRENCH DOOR**
SCALE: 1/2" = 1'-0"

ALL ELEVATIONS VIEWED
FROM EXTERIOR

ALLOWABLE DESIGN PRESSURE			
DOOR SIZE	DESIGN PRESSURE		FOOT NOTE
	P1	P2	
84" X 120"	58 PSF	65 PSF	1, 4
43 1/2" X 120"	58 PSF	65 PSF	1, 4
75 1/8" X 96"	70 PSF	70 PSF	2, 3, 4
39" X 96"	70 PSF	70 PSF	2, 3, 4

P1 = PRESSURE WHEN USING 3/8" LAMINATED ANNEALED GLASS.
P2 = PRESSURE WHEN USING 1/2" LAMINATED TEMPERED GLASS.

LOAD TABLE FOOT NOTES:

- P1 MAY BE INCREASED TO 65 PSF IF THE DAYLIGHT OPENING IS EQUAL TO OR SMALLER THAN 20 SF.
- 70 PSF PRESSURE IS ONLY APPLICABLE WHEN PARTS 5, 48, 49 & 50 ARE USED WITH THE DOORS. OTHERWISE, THE ALLOWABLE PRESSURE MUST BE REDUCED TO 65 PSF.
- ALLOWABLE PRESSURE FOR FIXED PANELS MAY NOT EXCEED 65 PSF.
- LISTED PRESSURE IS FOR BOTH POSITIVE & NEGATIVE DIRECTIONS.

HINGE TABLE	
DOOR HEIGHT	NO. HINGES REQUIRED
120"	5 PER PANEL
96" & SMALLER	4 PER PANEL

NOTE: ONLY 4 HINGES REQUIRED PER PANEL AT ALL RADIUS TOP DOORS

O.S.M. = OUTSIDE MEASUREMENT

GENERAL NOTES

- THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES SHOWN ON THESE DRAWINGS.
- BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
- BUCKING FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS REGARDLESS OF CIRCUMSTANCE.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR IMPACT DOORS.
- ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK A MINIMUM OF 1 1/4". IF PENETRATION IS LESS THAN 1 1/4" THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
- THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION.
- THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA-201, PA-202 & PA-203 FOR LARGE MISSILE IMPACT, STRUCTURAL & CYCLIC TESTING.

PRODUCT RENEWED

ACCEPTANCE No. 01-0124.12 APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 EXPIRATION DATE 4-16-06 DATE January 04, 2005
 By Manuel Perez BY Manuel Perez
 PRODUCT CONTROL DIVISION PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0912-03

DRAWING TITLE: **OUTSWING FRENCH DOORS**

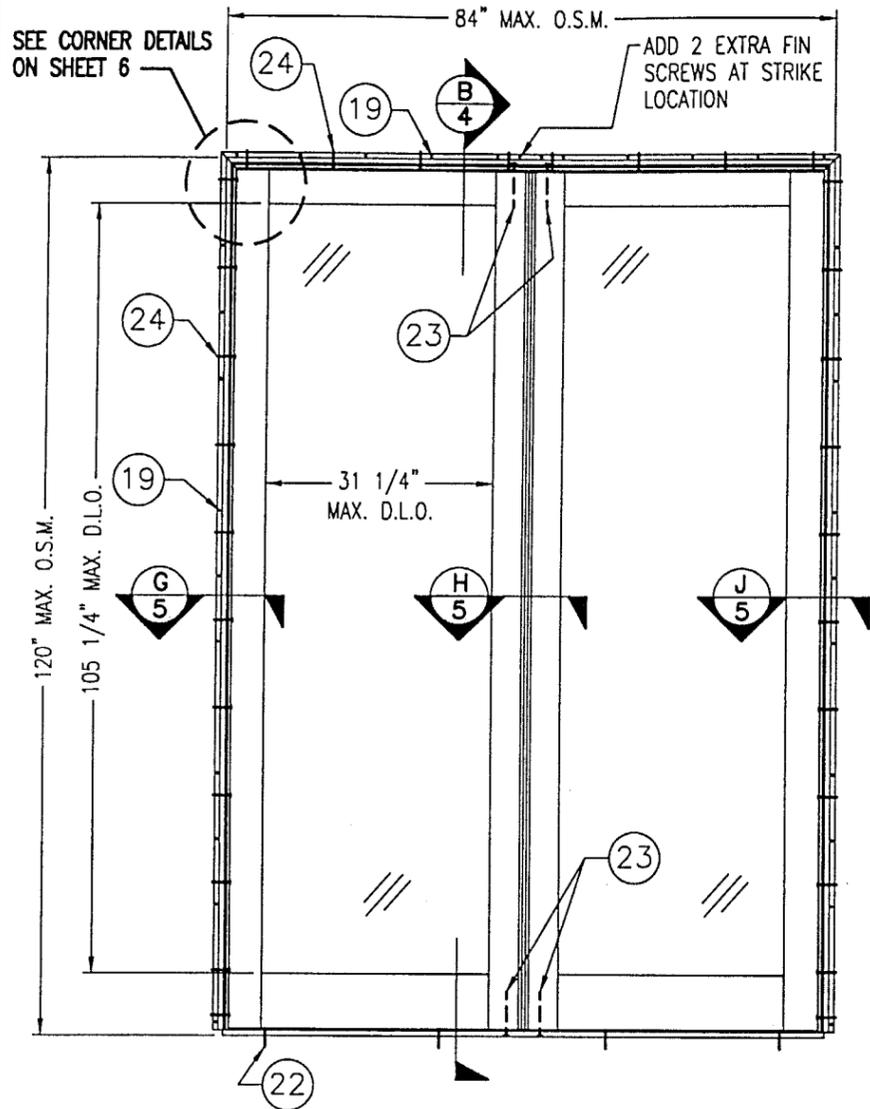
CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**
 600 SANDTREE DRIVE, SUITE 203B
 PALM BEACH GARDENS, FL 33403
 PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER: **ULTIMATE DOOR OF PALM BEACH, INC.**
 2800 2ND AVE., NORTH
 LAKE WORTH, FL 33461
 561-642-2828

CERTIFICATION
DEC 06 2000

WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

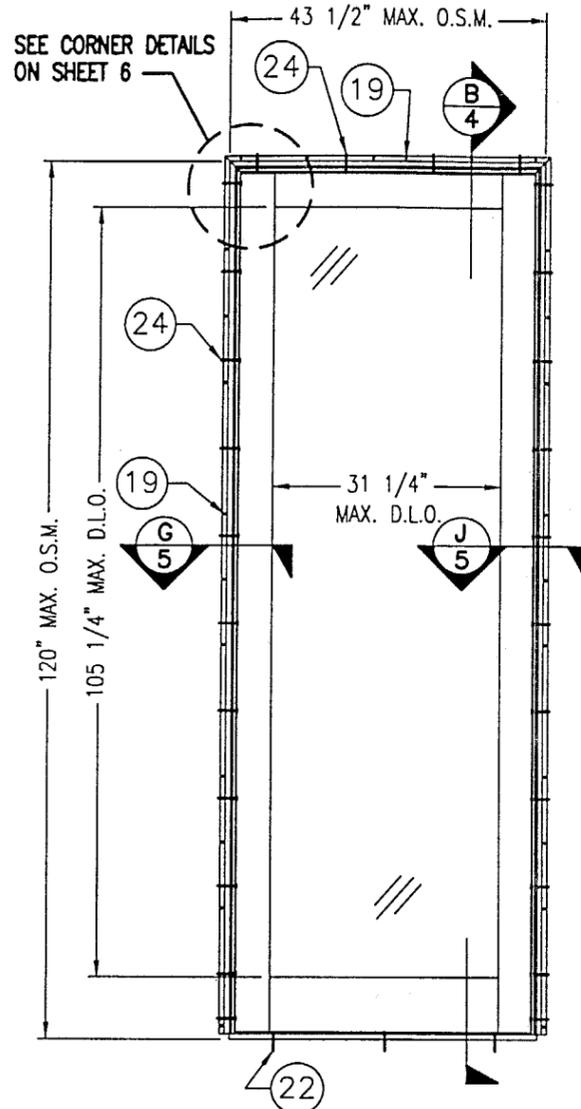
DRAWING NO. **1004A** REV.
 SHEET NO. **1** OF **7**



**84" X 120" DOUBLE
RECTANGULAR FIXED PANELS**

SCALE: 1/2" = 1'-0"

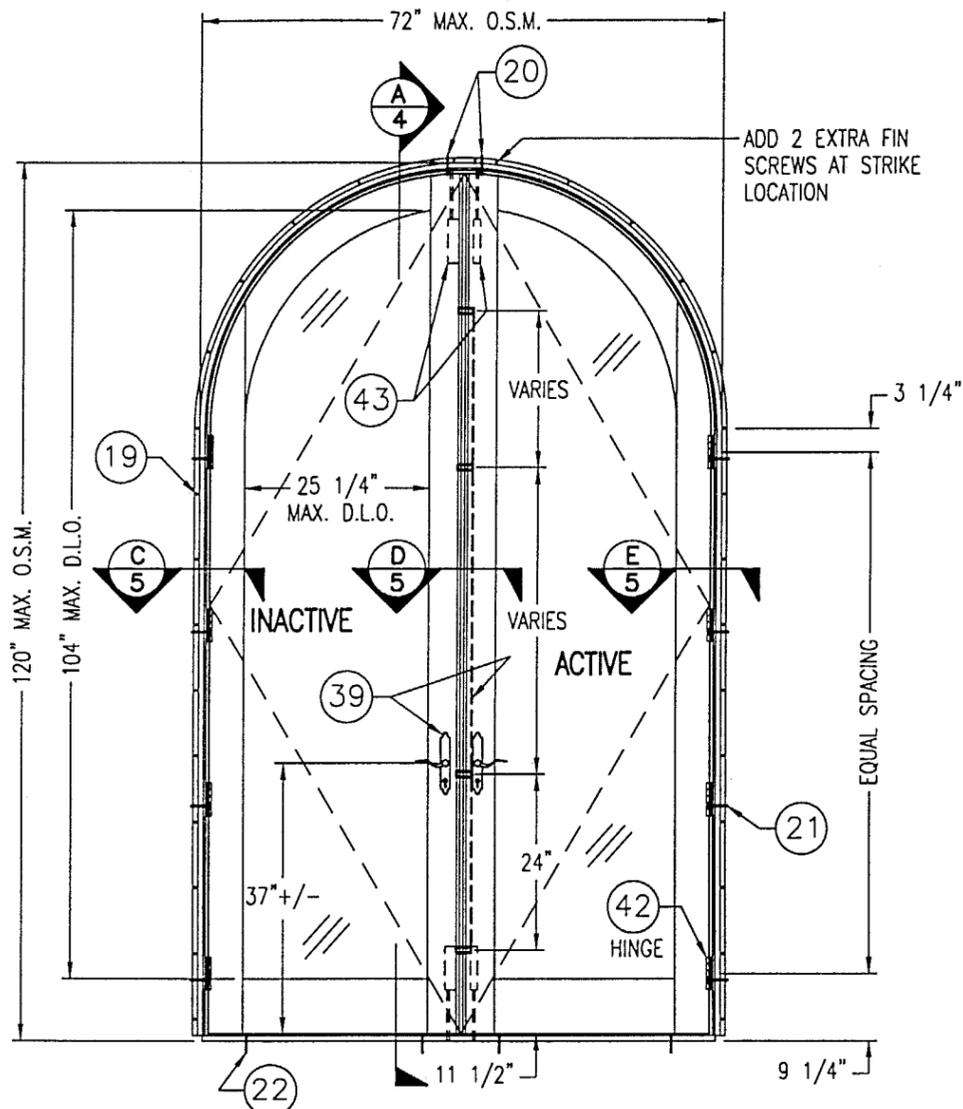
NOTE: FIXED PANELS MAY BE RADIUS TOP
BUT LIMITED TO 72" WIDE



**43 1/2" X 120" SINGLE
RECTANGULAR FIXED PANEL**

SCALE: 1/2" = 1'-0"

NOTE: FIXED PANELS MAY BE RADIUS TOP



**72" X 120" DOUBLE
QUARTER-ROUND FRENCH DOOR**

SCALE: 1/2" = 1'-0"

NOTE: HALF ROUND & PARTIAL SEGMENTAL TOP
DOORS ARE ALSO ACCEPTABLE.

72" IS MAX. ALLOWABLE WIDTH FOR SHAPED
TOP DOUBLE DOORS.

ALL ELEVATIONS VIEWED
FROM EXTERIOR

O.S.M. = OUTSIDE MEASUREMENT

FOR DESIGN LOADS & HINGE
REQUIREMENTS, SEE SHEET 1

PRODUCT RENEWED

ACCEPTANCE No. 01-0124.12

EXPIRATION DATE 4-16-06

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE

DATE January 09, 2001

BY Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 00-0912-02

DRAWN BY: W.W.S. DATE: 02/24/00
CHECKED BY: W.W.S. DATE: 02/24/00

PLOT: 1=24

NO.	REVISION DESCRIPTION	DATE

DRAWING TITLE: **OUTSWING FRENCH DOORS**

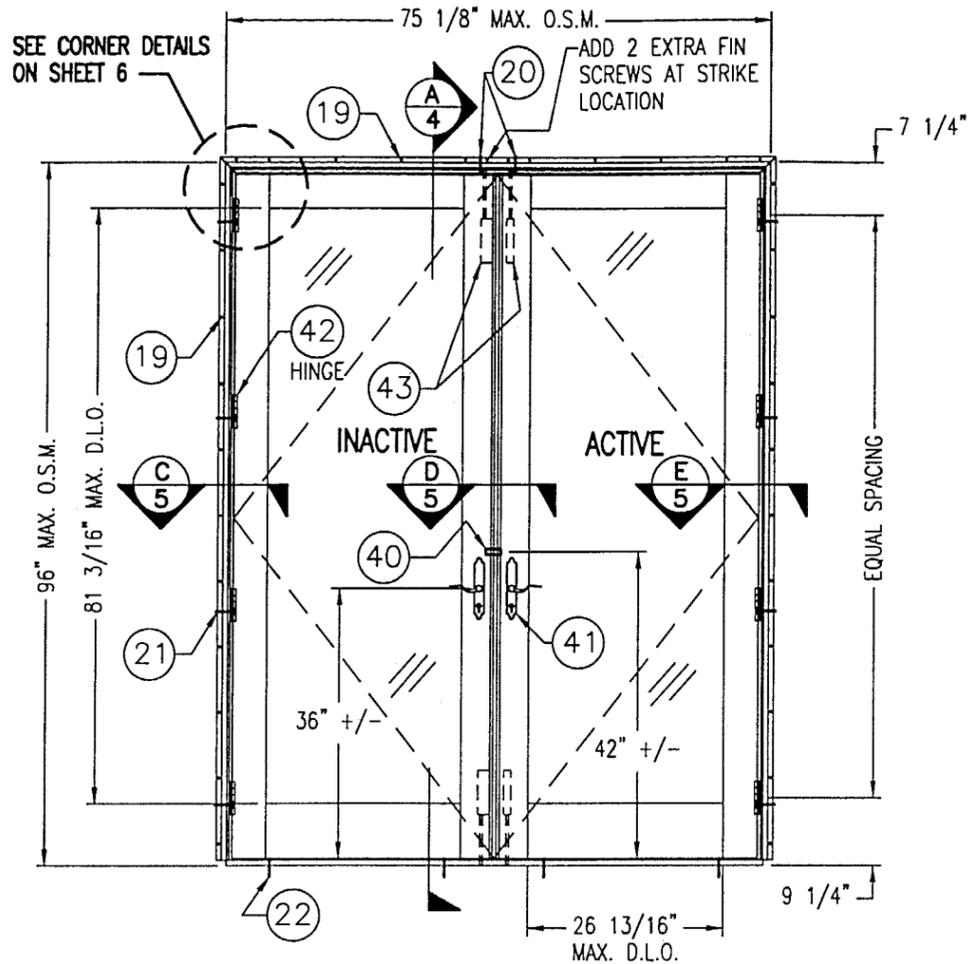
CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER: **ULTIMATE DOOR OF PALM BEACH, INC.**
2800 2ND AVE. NORTH
LAKE WORTH, FL 33461
561-642-2828

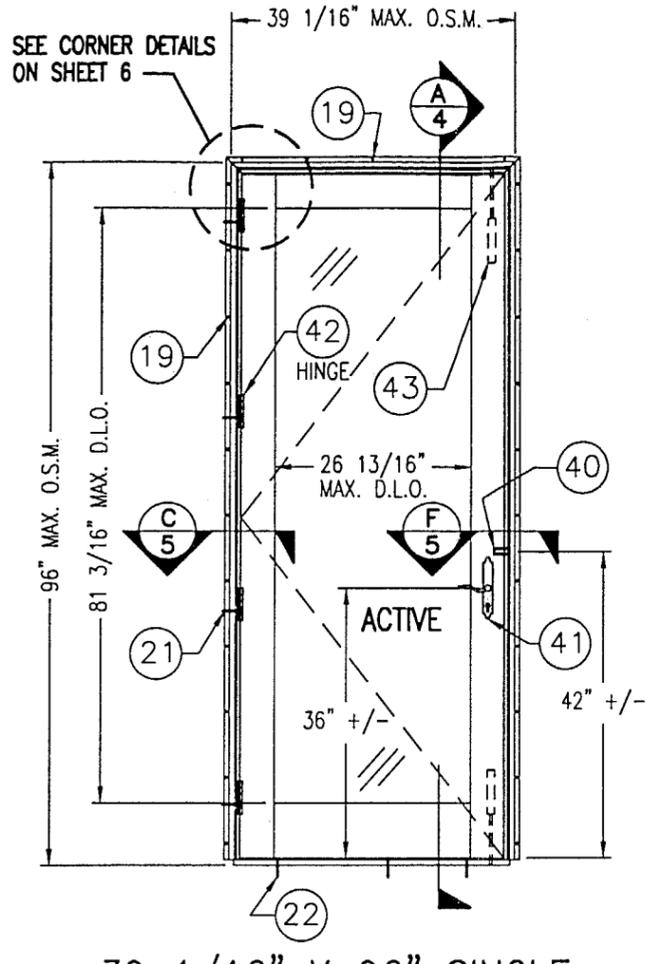
CERTIFICATION: **DEC 06 2000**

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

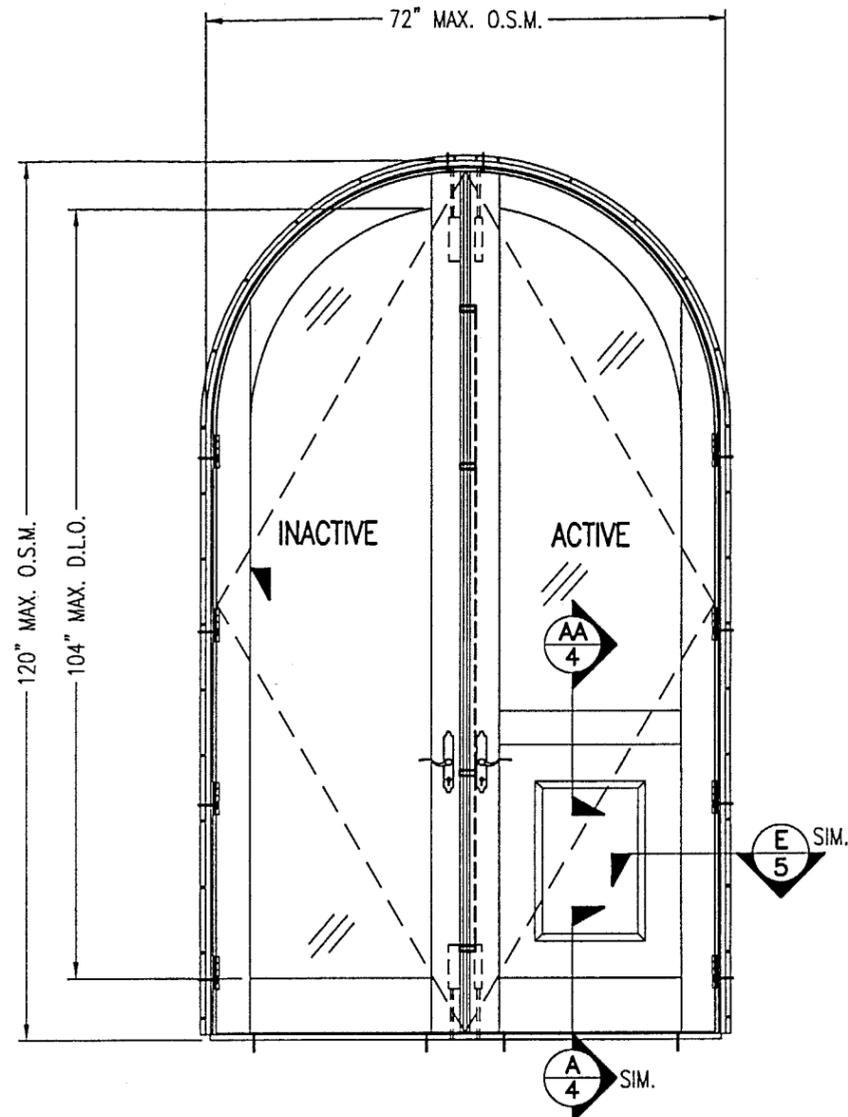
DRAWING NO. **1004A** REV.
SHEET NO. **2** OF **7**



**75 1/8" X 96" DOUBLE
RECTANGULAR FRENCH DOOR**
SCALE: 1/2" = 1'-0"



**39 1/16" X 96" SINGLE
RECTANGULAR FRENCH DOOR**
SCALE: 1/2" = 1'-0"



**FRENCH DOOR WITH
RAISED PANEL**
SCALE: 1/2" = 1'-0"
ALLOWABLE WITH ALL DOORS

ALL ELEVATIONS VIEWED
FROM EXTERIOR

FOR DESIGN LOADS & HINGE
REQUIREMENTS, SEE SHEET 1

O.S.M. = OUTSIDE MEASUREMENT

PRODUCT RENEWED

ACCEPTANCE No. 01-0124.12

EXPIRATION DATE 4-16-06

By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE

DATE January 04, 2001

BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 00-0912.03

DRAWN BY: W.W.S. DATE: 02/24/00
CHECKED BY: W.W.S. DATE: 02/24/00
PLOT: 1=24

NO.	REVISION DESCRIPTION	DATE	BY

DRAWING TITLE: **OUTSWING FRENCH DOORS (DADE)**

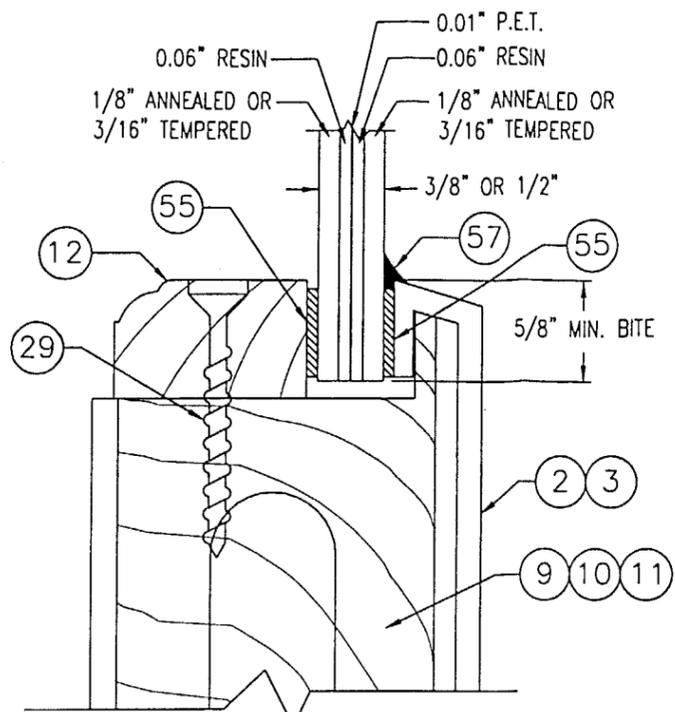
CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER: **ULTIMATE DOOR OF PALM BEACH, INC.**
2800 2ND AVE. NORTH
LAKE WORTH, FL 33461
561-642-2828

CERTIFICATION
DEC 06 2000

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

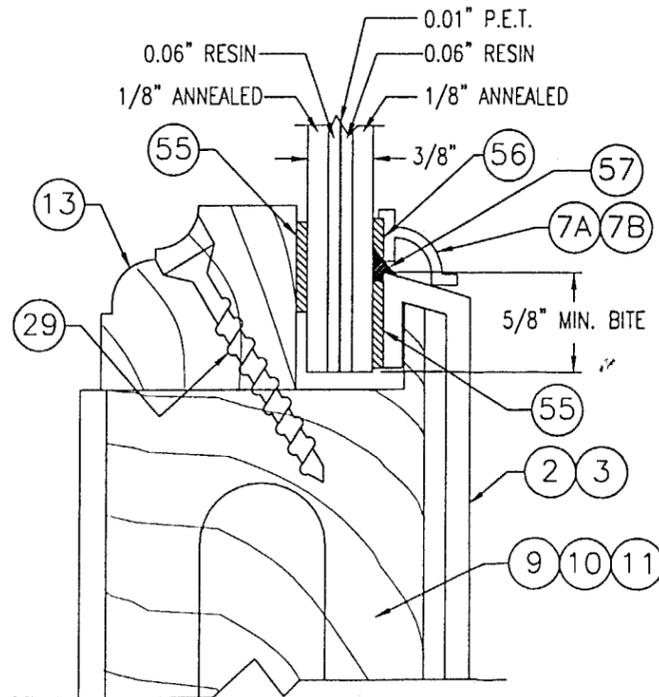
DRAWING NO. **1004A** REV.
SHEET NO. **3** OF **7**



GLAZING DETAIL 1

NEBULA SAFETY-PLUS LAMINATED GLASS
(THIS DETAIL MAY BE USED WITH ALL DOOR SIZES)

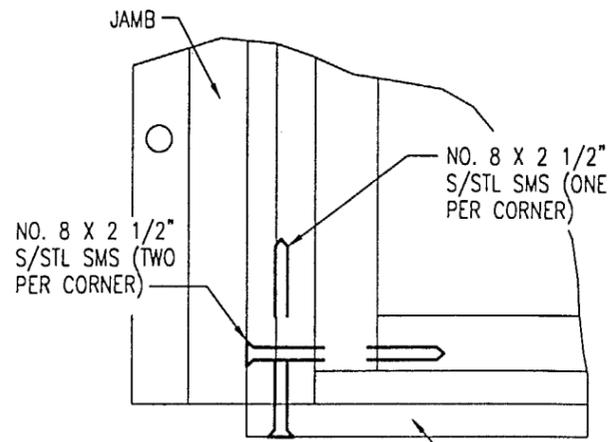
SCALE: FULL SIZE



GLAZING DETAIL 2

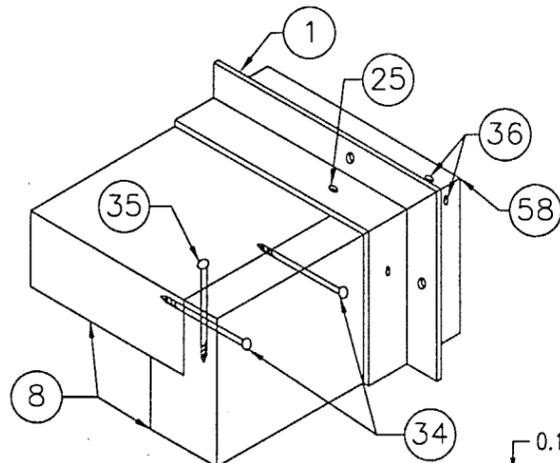
NEBULA SAFETY-PLUS LAMINATED GLASS
(THIS DETAIL MAY BE USED WITH DOOR SIZES 39"x96" AND SMALLER)

SCALE: FULL SIZE



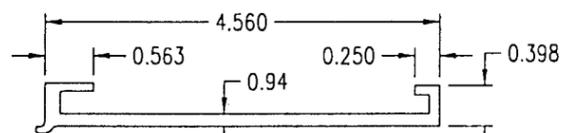
JAMB TO THRESHOLD CORNER

SCALE: N.T.S.
CORNER IS ALSO GLUED

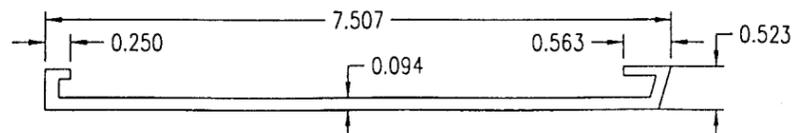


JAMB-JAMB CORNER

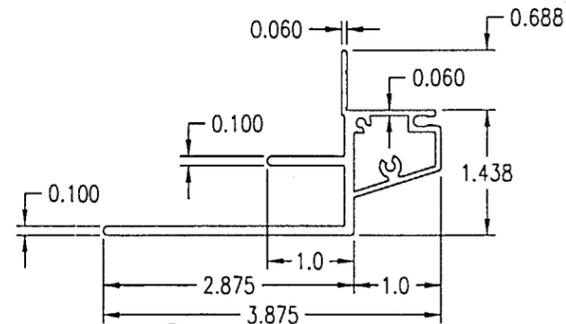
SCALE: N.T.S.
CORNER IS ALSO GLUED



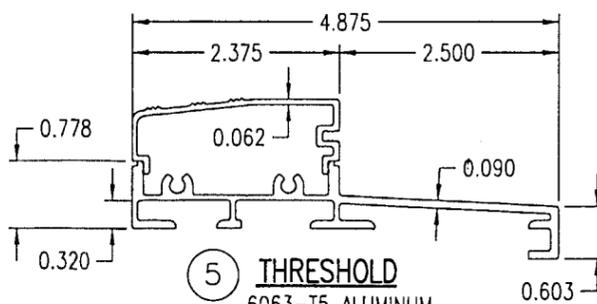
2 STILE & TOP RAIL CLAD
6063-T5 ALUMINUM



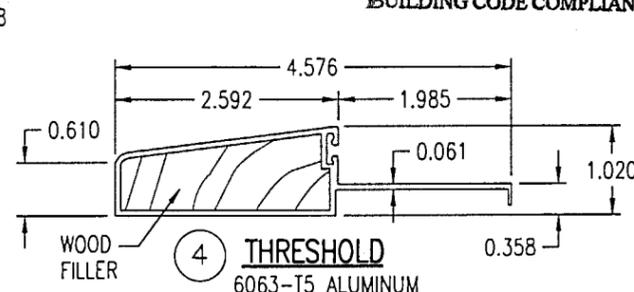
3 BOTTOM RAIL CLAD
6063-T5 ALUMINUM



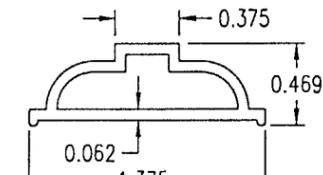
1 JAMB CLAD
6063-T5 ALUMINUM



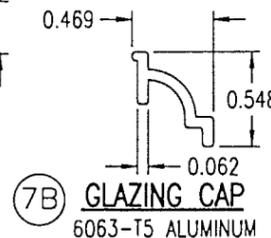
5 THRESHOLD
6063-T5 ALUMINUM



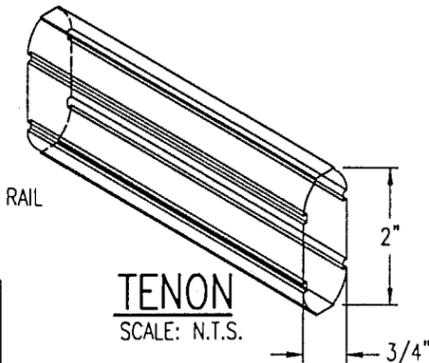
4 THRESHOLD
6063-T5 ALUMINUM



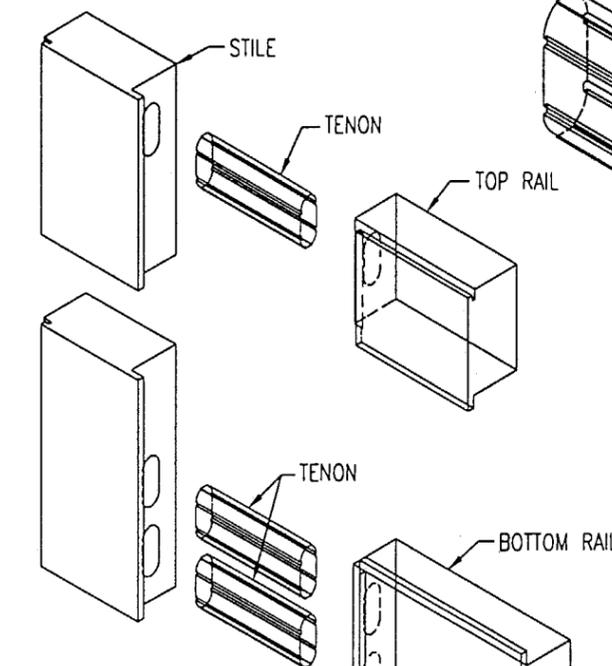
6 ASTRIGAL CAP
6063-T5 ALUMINUM



7B GLAZING CAP
6063-T5 ALUMINUM



TENON
SCALE: N.T.S.



PANEL CORNERS

SCALE: N.T.S.
CORNERS & TENONS ARE GLUED WITH MULTIBOND 2000 WOOD GLUE

PRODUCT RENEWED

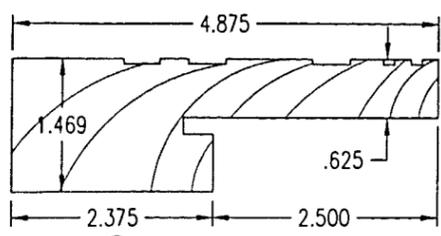
ACCEPTANCE No. 01-0124.12

EXPIRATION DATE 4-16-06

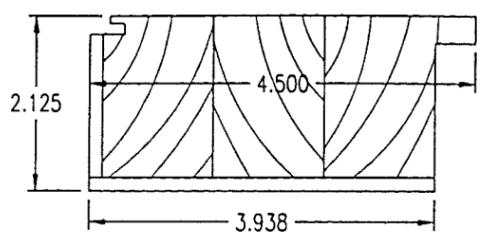
By *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *January 04, 2001*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.03

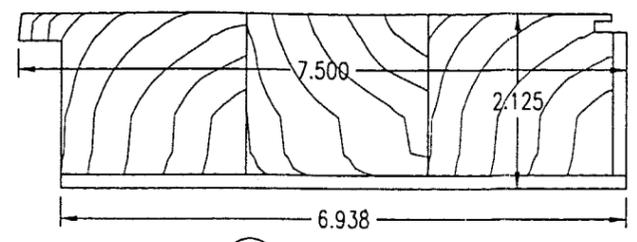
DRAWN BY: W.W.S. CHECKED BY: W.W.S. DATE: 02/24/00 DATE: 02/24/00 PLOT: 1=1	DATE BY NO. REVISION DESCRIPTION	(DATE) ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	MANUFACTURER W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	DRAWING TITLE OUTSWING FRENCH DOORS	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 DEC 06 2000 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1004A SHEET NO. 6 OF 7
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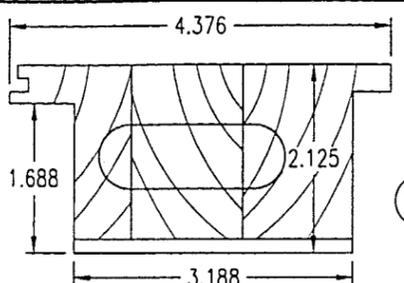
8 JAMB
PONDEROSA PINE



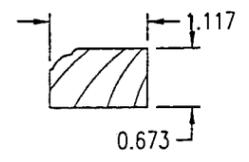
9 STILE & TOP RAIL
PONDEROSA PINE



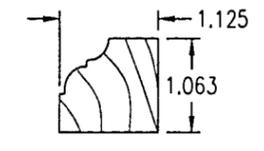
10 BOTTOM RAIL
PONDEROSA PINE



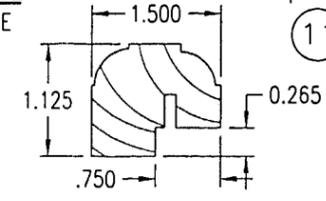
11 RAISED PANEL RAIL
PONDEROSA PINE



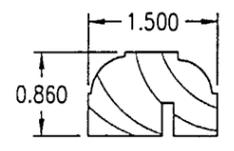
12 GLAZING STOP
PONDEROSA PINE



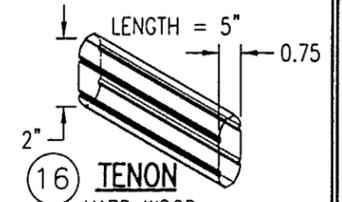
13 OPTIONAL GLAZING STOP
PONDEROSA PINE



14 ACTIVE ASTRIGAL
PONDEROSA PINE



15 FIXED ASTRIGAL
PONDEROSA PINE



16 TENON
HARD WOOD
N.T.S.

ALL ARE DRAWN AT 1/2 FULL SIZE

MATERIAL LIST		
NO.	DESCRIPTION	NOTES
PARTS & EXTRUSIONS		
1	JAMB CLAD	
2	STILE & TOP RAIL CLAD	
3	BOTTOM RAIL CLAD	
4	THRESHOLD (OPTION 1)	SINGLE SECTION ALUMINUM WITH WOOD FILLER
5	THRESHOLD (OPTION 2)	2 SECTION ALUMINUM
6	ASTRIGAL CAP	
7A	GLAZING CAP	USED WITH STILES & TOP RAIL (OPTIONAL)
7B	GLAZING CAP	USED WITH BOTTOM RAIL (OPTIONAL)
8	WOOD JAMB	
9	WOOD STILE & TOP RAIL	STAGE BLOCK (3 BLOCKS)
10	WOOD BOTTOM RAIL	STAGE BLOCK (3 BLOCKS)
11	RAISED PANEL RAIL	STAGE BLOCK (3 BLOCKS)
12	5/8 X 1 1/8 WOOD GLAZING STOP	MAY BE USED WITH ALL DOOR SIZES
13	1 1/16 X 1 1/8 GLAZING STOP	TO BE USED ONLY WITH 3080/6080 DOOR SIZES & SMALLER
14	WOOD ASTRIGAL	FOR USE WITH OPERABLE DOORS
15	WOOD ASTRIGAL	FOR USE WITH FIXED PANEL DOORS
16	WOOD TENON	1 PER TOP RAIL CORNER/2 PER BOTTOM RAIL CORNER
17	OPEN	
FASTENERS		
19	NO. 8 X 1 1/4 SMS SCREWS (FIN ATTACHMENT)	3" FROM CORNERS & MAX. 9" O.C.
20	NO. 12 X MIN. 2" SMS SCREWS	2 AT HEAD JAMB INTO BUCK MIN 1 1/4" (1 EA. SIDE OF MIDPOINT 4" APART)
21	NO. 12 X MIN. 2" S/STL SMS	ONE PER HINGE THROUGH JAMB & INTO BUCK MIN. 1 1/4"
22	1/4" TAPCON OR CR-10 CONCRETE SCREW	6" FROM CORNERS & MAX. 24" O.C. (MIN. 1 1/4" CONCR. EMBED)
23	3/8" X 6" GALV. LAG BOLT WITH 1/4" WASHER	THROUGH HEAD JAMB & THRESHOLD INTO EA. PANEL @ DOUBLE FIXED DOOR
24	NO. 8 X 3" SQUARE SLOT FINISH SCREW	3" FROM CORNERS & MAX 12" O.C. (ANGLE UP TO 20 DEG IF REQ'D)
25	NO. 8 X 5/8" HEX TEK SCREW	2" FROM CORNER & MAX. 12" O.C. (CLAD TO JAMB)
26	NO. 6 X 1 1/2" S/STL SMS SCREW	2 PER PANEL STRIKE PLATE
27	NO. 8 X 2 1/2" SMS SCREW	4" FROM CORNERS & MAX. 9" O.C. (ALL SIDES OF FRAME)
28	NO. 6 X 5/8" SMS SCREW	2" FROM ENDS & MAX. 16" O.C. (SUB-THRESHOLD TO THRESHOLD)
29	NO. 6 X 1 1/2" TRIM SCREW	2" FROM CORNERS & MAX. 9" O.C.
30	NO. 7 X 2 1/4" SQUARE SLOT TRIM SCREW	1 1/2" FROM ENDS & MAX. 11" O.C. (ASTRIGAL TO ACTIVE PANEL)
31	NO. 7 X 2 1/4" SQUARE SLOT TRIM SCREW	1 1/2" FROM ENDS & MAX. 11" O.C. (ASTRIGAL TO EACH FIXED PANEL)
32	NO. 10 X 1 1/2" S/STL SMS SCREWS	4 PER HINGE INTO PANEL
33	NO. 12 X 1" S/STL SMS SCREW	3 PER HINGE INTO JAMB
34	NO. 8 X 2 1/2" GALV. DECK SCREWS	2 PER JAMB CORNER (SIDE JAMB TO HEAD JAMB)
35	NO. 10 X 3 1/2" SMS SCREW	1 PER JAMB CORNER (HEAD JAMB TO SIDE JAMB)
36	NO. 6 X 2" SMS SCREWS	2 PER JAMB CLAD CORNER INTO CLAD SCREW BOSS
37	OPEN	
38	OPEN	

MATERIAL LIST		
NO.	DESCRIPTION	NOTES
HARDWARE		
39	3-POINT LOCK SYSTEM AT ACTIVE PANEL	SCHLEGEL BY FULEX CO. (MAY BE USED WITH ALL DOOR SIZES)
40	SCHLAGE DEAD BOLT NO. B162V4626 OR EQUAL	MAY ONLY BE USED WITH 6080/3080 DOORS & SMALLER
41	HANDLE	
42	4 X 4 1/2 HAGER HINGE NO. 1191	NICEL PLATED BRASS WITH S/STL BALL BEARINGS
43	HAGER 458-B26D-12" FLUSH BOLT	1 AT EA. TOP & BOTTOM OF EA. PANEL (W/3/8" S/STL THRU-BOLT)
44	1" X 2 1/4" X 1/16" S/STL STRIKE PLATE	1 AT EACH PANEL MEETING CORNER AT TOP & BOTTOM
45	OPEN	
SEALS & SEALANTS		
46	KOROSEAL SWEEP NO. 48-28-3770-1	FULL LENGTH OF BOTTOM RAIL
47	POLYMERIC BULB GASKET	CONTINUOUS AT THRESHOLD
48	KOROSEAL SWEEP NO. 28-28-1380-00-1	FULL LENGTH OF BOTOM RAIL
49	KOROSEAL GASKET NO. 28-23-5210-00-1	CONTINUOUS AT THRESHOLD
50	SCHLEGEL Q-LON 650 SEAL NO. A-6F16E	CONTINUOUS AT SIDE & HEAD JAMBS
51	RJF INTER. NO. 28-28-1120-00-1 SWEEP	CONTINUOUS AT TOP OF PANELS
52	KOROSEAL NO. 28-23-5210-00-1 DOOR SEAL	CONTINUOUS AT SIDE JAMBS
53	PAK-LITE 1/16 X 9/16 (2) SIDED TAPE	CLOSED CELL URATHANE (ALUM ASTRIGAL CAP TO FIXED & ACTIVE PANELS)
54	SCHLEGEL Q-LON 650 SEAL NO. A-6F16E	CONTINUOUS AT INTERIOR ASTRIGAL
55	PAK-LITE 1/16 X 9/16 (2) SIDED TAPE	GLAZING TAPE CONTINUOUS AROUND EACH SIDE OF GLASS
56	PAK-LITE 1/16 X 1/4 (2) SIDED TAPE	ATTACHES DECORATIVE ALUMINUM GLAZING CAP TO GLASS
57	DOW CORNING 795 SILICON SEALANT	CAP BEAD CONTINUOUS AROUND EXTERIOR OF GLASS
58	DOW CORNING 795 SILICON SEALANT	SEALS JAMB CLAD CORNERS
59	OPEN	
OTHER		
60	SJB-THRESHOLD	SEALS END GRAIN OF FRAME
61	OPEN	

1 THE FOLLOWING WOOD SPECIES SHALL BE ALTERNATES TO PONDEROSA PINE:
 1. MAHOGONY 4. CYPRUS
 2. OAK 5. DOUGLAS FIR
 3. CHERRY

PRODUCT RENEWED

ACCEPTANCE No. 01-0124.12

EXPIRATION DATE 4-16-06

By Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE January 04, 2005
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0912-03

DRAWN BY: W.W.S. DATE: 02/24/00
 CHECKED BY: W.W.S. DATE: 02/24/00
 PLOT: 1=2

NO. REVISION DESCRIPTION BY DATE

DRAWING TITLE: **OUTSWING FRENCH DOORS**

MANUFACTURER: **ULTIMATE DOOR OF PALM BEACH, INC.**
 2800 2ND AVE. NORTH
 LAKE WORTH, FL 33461
 561-642-2828

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: **DEC 06 2004**
 WARREN W. SCHAEFER P.E.
 P.E. NO. 44135

DRAWING NO. **1004A** REV.
 SHEET NO. **7** OF **7**