



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)

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

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: Outswing Aluminum Clad Wood French Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No 1004A, titled "Outswing French Doors," Sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 2/24/00 with revision "B2" on 08/09/05, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 revises and renews NOA # 01-0327.01 and consists of this page 1 and evidence pages E-1, E-2, and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



J. GAZON
3/9/06

NOA No 05-0824.03
Expiration Date: April 16, 2011
Approval Date: March 30, 2006
Page 1

Ultimate Door of Palm Beach, Inc

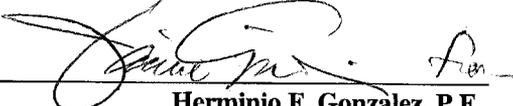
NOTICE OF ACCEPTANCE:EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 1004A, Sheets 1 through 8 of 8, titled "Outswing French Doors," prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 2/24/00 with revision "B2" on 08/09/05, 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 Load Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with installation diagram of an out-swinging wood clad aluminum French door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1008-94**, dated 11/14/94, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
2. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94
2) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1023-95**, dated 1/23/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
3. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94
2) Cyclic Loading Test, per FBC, TAS 203-94
along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0508-95**, dated 5/12/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
4. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94
along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0508-95**, dated 5/12/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
5. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with installation diagram of an out-swinging wood clad aluminum French door prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1017-99**, dated 10/22/99, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"



Herminio F. Gonzalez, P.E.

Director, Building Code Compliance Office
NOA No 05-0824.03

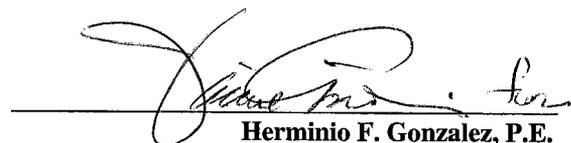
Expiration Date: April 16, 2011

Approval Date: March 30, 2006

Ultimate Door of Palm Beach, Inc

NOTICE OF ACCEPTANCE:EVIDENCE SUBMITTED

6. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94 along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0123-95**, dated 1/23/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
7. Test reports on 1) Forced Entry Test, per FBC 2411.3.2.1 (b) TAS 202-94 along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1104-95**, dated 11/13/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
8. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94 along with installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-1105-95**, dated 11/13/95, signed and sealed by Timothy Marshall, P.E.
"Submitted Under NOA# 01-0327.01"
9. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94
2) Cyclic Loading Test, per FBC, TAS 203-94 along with installation diagram of an out-swinging wood clad aluminum French 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.
"Submitted Under NOA# 01-0327.01"
10. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 along with installation diagram of an out-swinging wood clad aluminum French 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.
"Submitted Under NOA# 01-0327.01"
11. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94
2) Cyclic Loading Test, per FBC, TAS 203-94 along with installation diagram of an out-swinging wood clad aluminum French 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.
"Submitted Under NOA# 01-0327.01"



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0824.03

Expiration Date: April 16, 2011

Approval Date: March 30, 2006

Ultimate Door of Palm Beach, Inc

NOTICE OF ACCEPTANCE:EVIDENCE SUBMITTED

12. Test reports on 1) Forced-Entry Resistance Test, per FBC 2411.3.2.1 (b) TAS 202-94, along with installation diagram of an out-swinging wood clad aluminum French 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.
"Submitted Under NOA# 01-0327.01"
13. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with installation diagram of an out-swinging wood clad aluminum French 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.
"Submitted Under NOA# 01-0327.01"

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 08/09/05, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0916.02** issued to Glasslam N.G.I., Inc., for their "Glasslam Safety-Plus Laminated Glass" dated 10/23/03, expiring on 09/09/08.

F. STATEMENTS

1. Statement letter of Compliance, dated 08/09/05 signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. Notice of Acceptance No. **01-0327.01**, issued to Ultimate Door of Palm Beach, Inc., for their Outswing Wood Clad Aluminum French Doors, approved on 03/07/02 and expiring on 4/16/06.



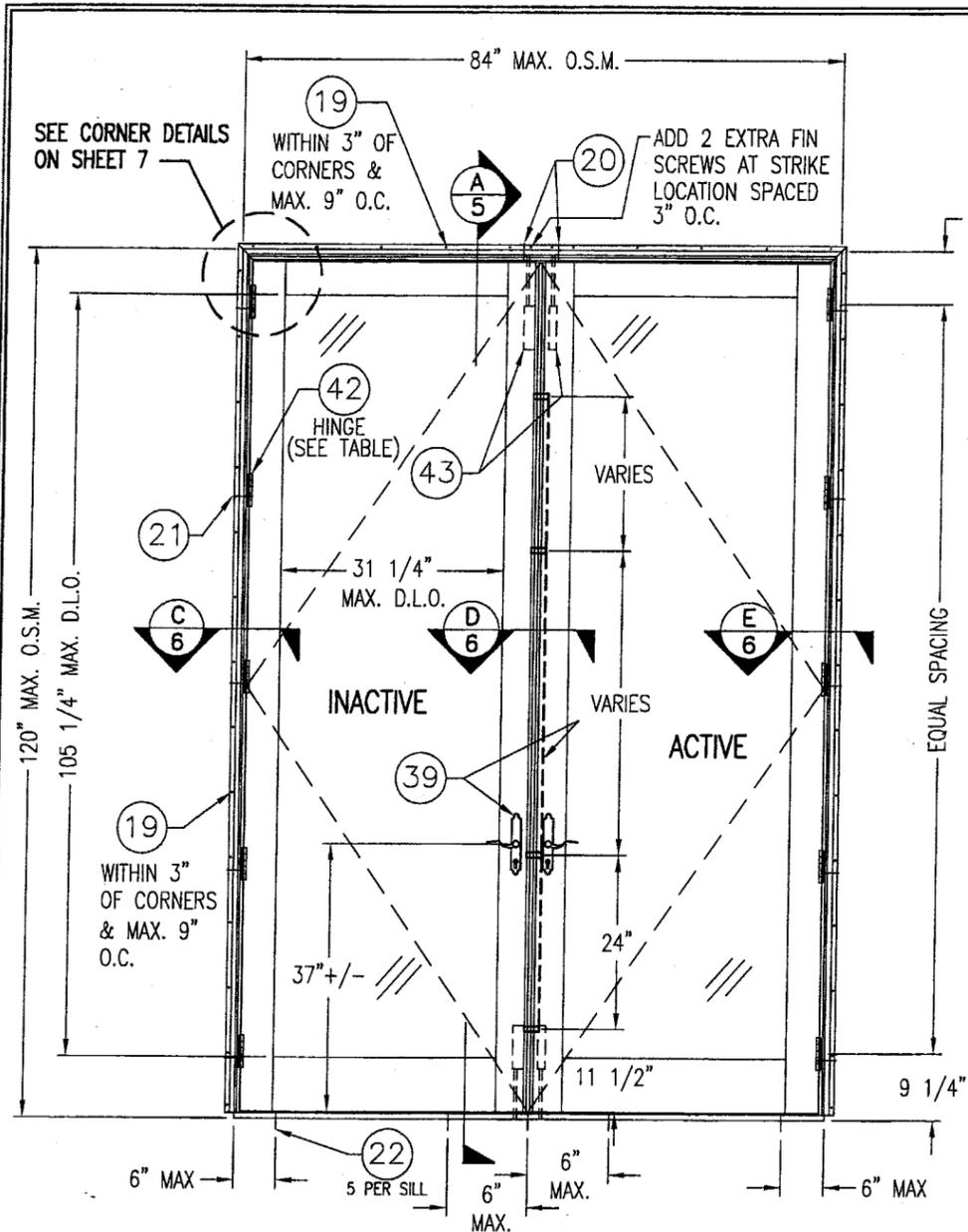
Herminio F. Gonzalez, P.E.

Director, Building Code Compliance Office

NOA No 05-0824.03

Expiration Date: April 16, 2011

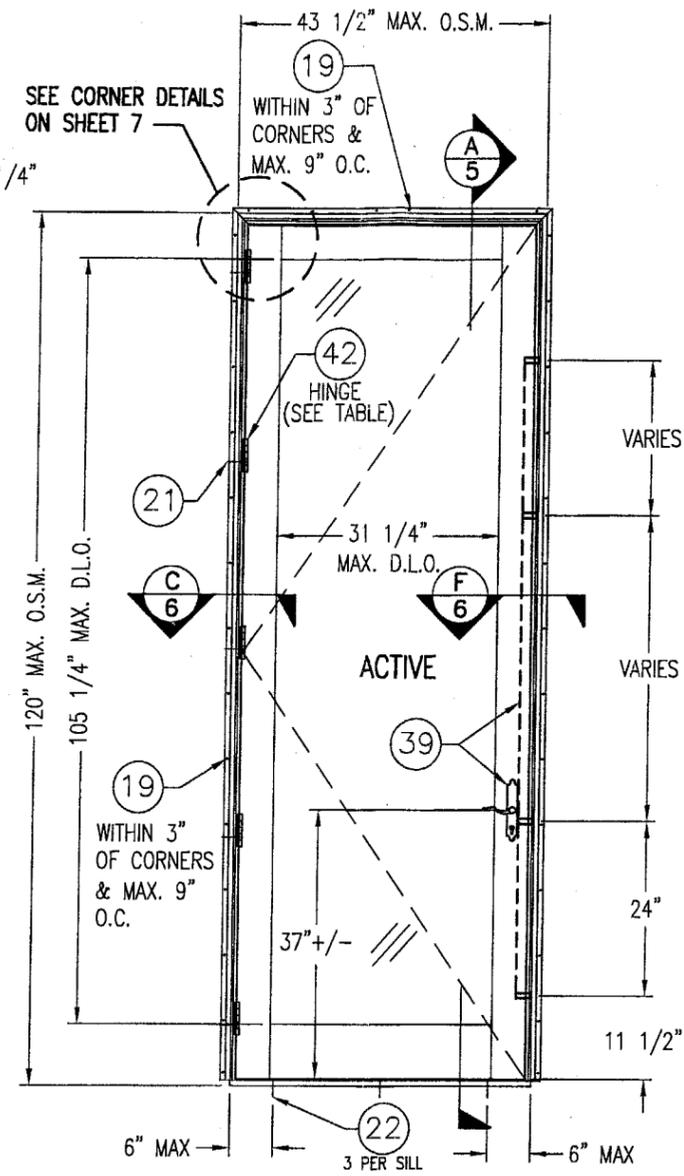
Approval Date: March 30, 2006



84" X 120" DOUBLE
RECTANGULAR FRENCH DOOR

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

ALL ELEVATIONS VIEWED
FROM EXTERIOR



43 1/2" X 120" SINGLE
RECTANGULAR FRENCH DOOR

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

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 1/2" LAMINATED ANNEALED GLASS.
P2 = PRESSURE WHEN USING 1/2" LAMINATED TEMPERED GLASS.
LOAD TABLE FOOT NOTES:
1. P1 MAY BE INCREASED TO 65 PSF IF THE DAYLIGHT OPENING IS EQUAL TO OR SMALLER THAN 20 SF.
2. 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.
3. ALLOWABLE PRESSURE FOR FIXED PANELS MAY NOT EXCEED 65 PSF.
4. 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
D.L.O. = DAYLIGHT OPENING

ANCHOR REQUIREMENTS TABLE			
FRAME SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB & HINGE TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/4"	3/4"
2X_ WOOD FRAME OR BUCK	NO. 12 SMS SCREW	1 1/4"	3/4"
MIN. 2500 P.S.I. CONCRETE	1/4" CONCRETE SCREW	1 1/4"	2 1/2"
NAIL FIN SCREWS			
2X_ WOOD FRAME OR BUCK	NO. 8 S.S. SMS SCREW	1 1/8"	1/2"

GENERAL NOTES

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES SHOWN ON THESE DRAWINGS.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
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 PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FBC PROTOCOLS TAS-201, 202 & 203 FOR IMPACT DOORS.
5. 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.
6. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES.
7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH THE 2004 FBC PROTOCOLS TAS-201, TAS-202 & TAS-203 FOR LARGE MISSILE IMPACT, STRUCTURAL & CYCLIC TESTING.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 05-0824.03
Expiration Date 04/16/11
By: [Signature]
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 02/24/00
DATE 03/19/01	BY W.W.S.
DATE 08/09/05	BY K.P.S.
DATE 08/09/05	BY K.P.S.
NO.	REVISION DESCRIPTION
A1	CHANGED SHEET #
B1	UPDATE TO 2004 CODE COMPLIANT
B2	ADDED ANCHORS AT SILL

DRAWING TITLE: OUTSWING FRENCH DOORS (DADE)

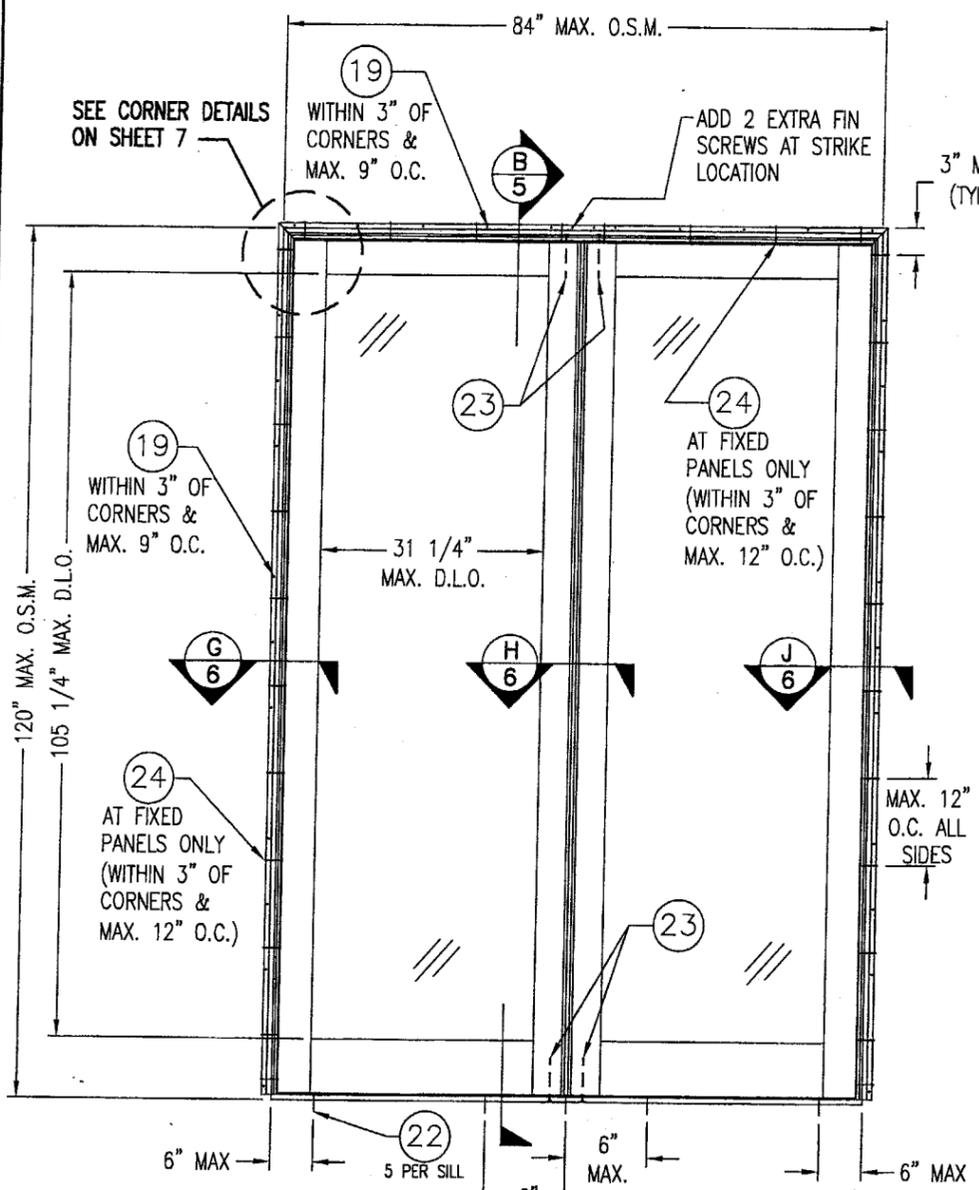
MANUFACTURER: ULTIMATE DOOR OF PALM BEACH, INC.
2800 2ND AVE. NORTH
LAKE WORTH, FL 33461
561-642-2828

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4802 FAX: 561-775-4903

CERTIFICATION: JAN 16 2006
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1004A	REV. B
SHEET NO. 1 OF 8	

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1-24	DATE:	02/24/00
NO.	REVISION DESCRIPTION	BY	DATE
A1	CHANGED SHEET #	W.W.S.	03/19/01
B2	ADDED ANCHORS AT SILL	K.P.S.	06/09/05



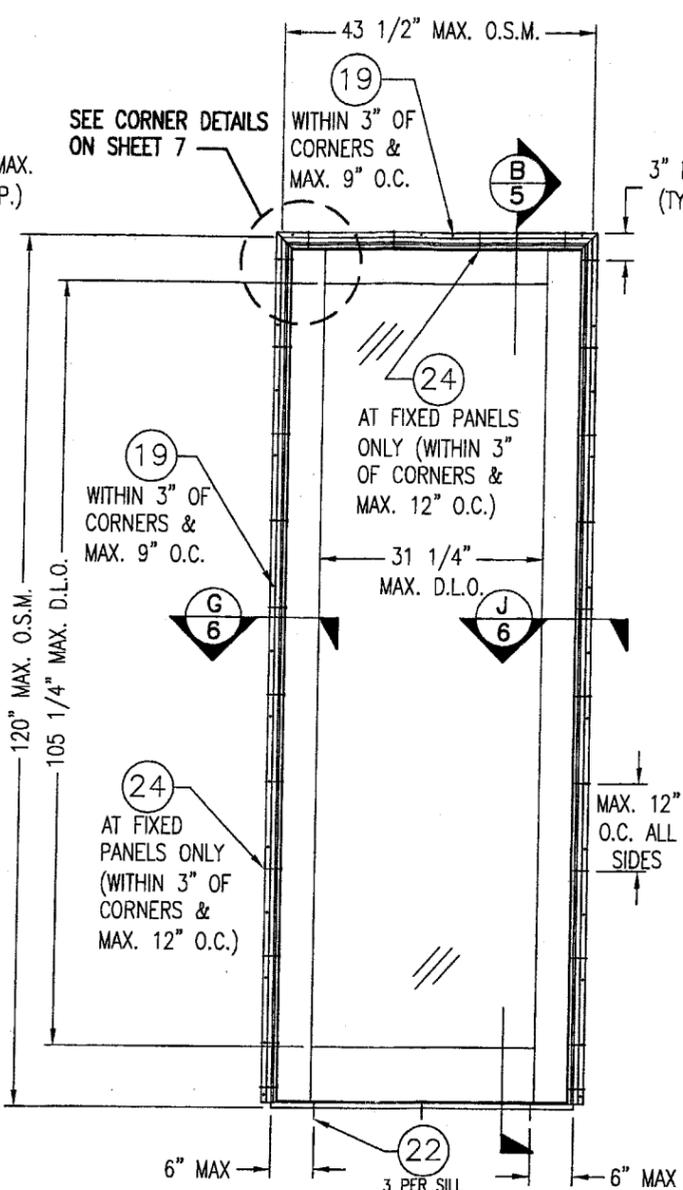
**84" X 120" DOUBLE
RECTANGULAR FIXED PANELS**

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

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

ALL ELEVATIONS VIEWED
FROM EXTERIOR

FOR DESIGN LOADS & HINGE
REQUIREMENTS, SEE SHEET 1

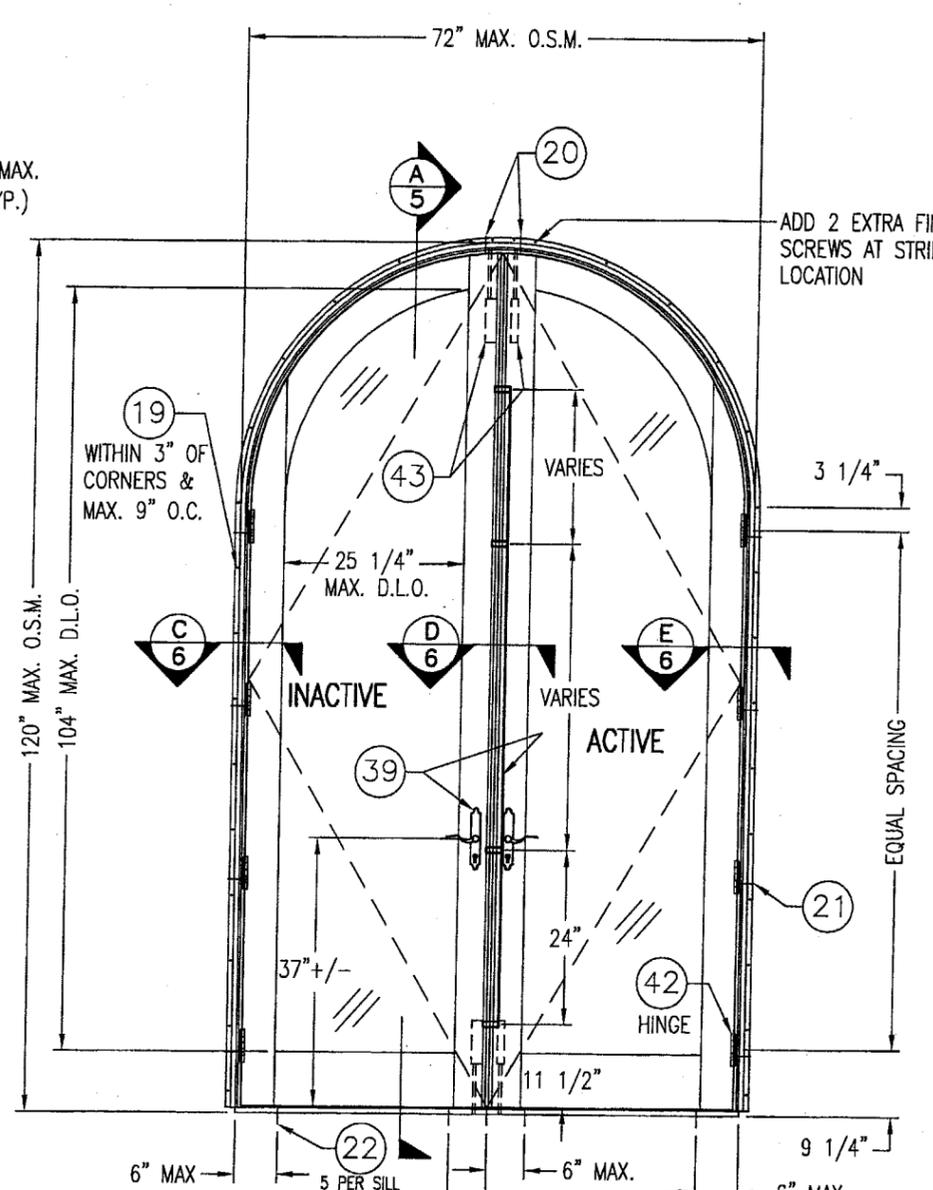


**43 1/2" X 120" SINGLE
RECTANGULAR FIXED PANEL**

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

NOTE: FIXED PANELS MAY BE RADIUS TOP

O.S.M. = OUTSIDE MEASUREMENT
D.L.O. = DAYLIGHT OPENING



**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.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **05-0824.03**
Expiration Date **05/16/11**
By *[Signature]*
Miami Dade Product Control
Division

DRAWING TITLE
OUTSWING FRENCH DOORS (DADE)

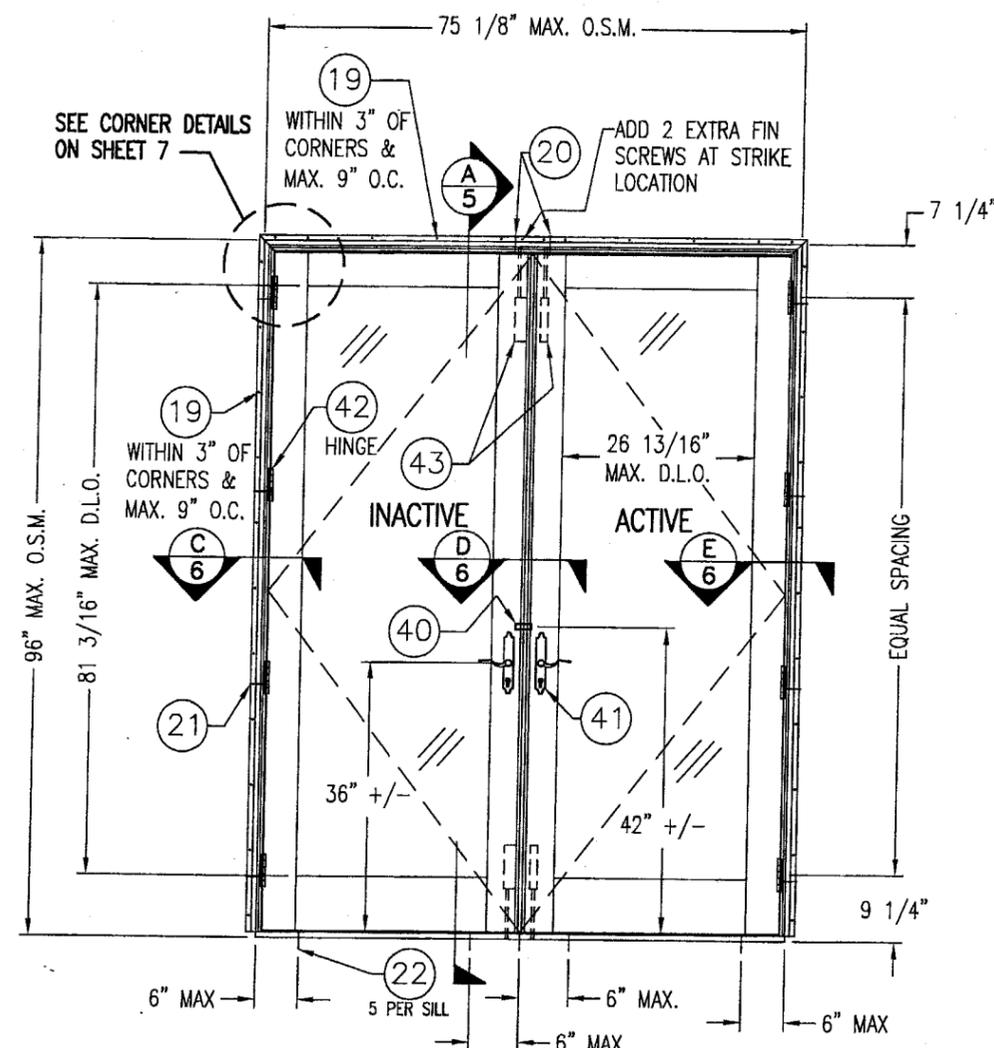
CONSULTANTS
**W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A.**
8885 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

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

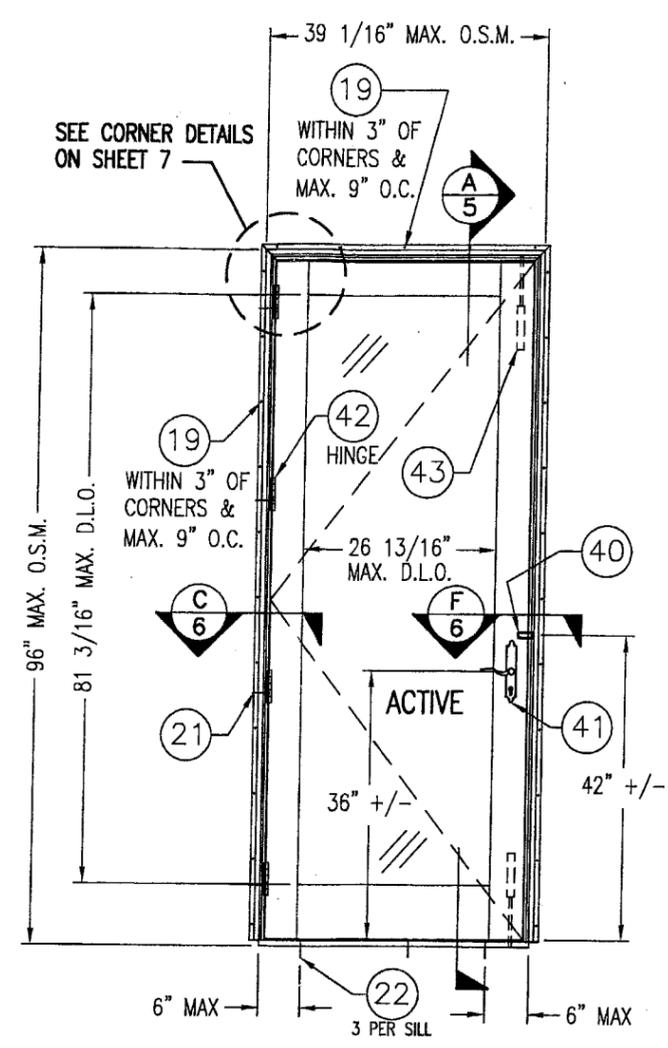
CERTIFICATION
JAN 16 2006
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1004A	B
SHEET NO.	
2	OF 8

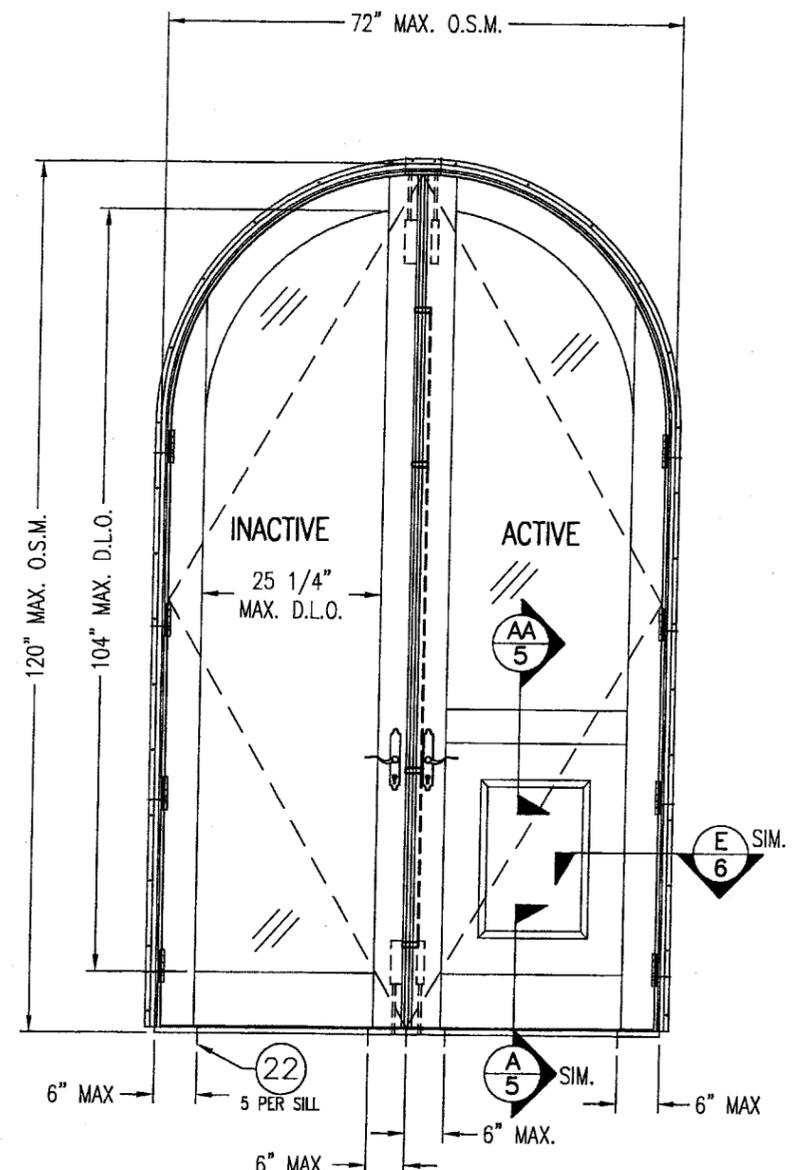
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PLOT:	1=24	DATE:	02/24/00
NO.	REVISION DESCRIPTION	BY	DATE
A1	CHANGED SHEET #	W.W.S.	03/19/01
B2	ADDED ANCHORS AT SILL	K.P.S.	08/09/05



**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"

ALL ELEVATIONS VIEWED FROM EXTERIOR

FOR DESIGN LOADS & HINGE REQUIREMENTS, SEE SHEET 1

O.S.M. = OUTSIDE MEASUREMENT
D.L.O. = DAYLIGHT OPENING

ALLOWABLE WITH ALL DOORS
(FOR DETAILS NOT SHOWN, SEE OTHER ELEVATIONS)

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 05-0824.03
Expiration Date 04/16/11

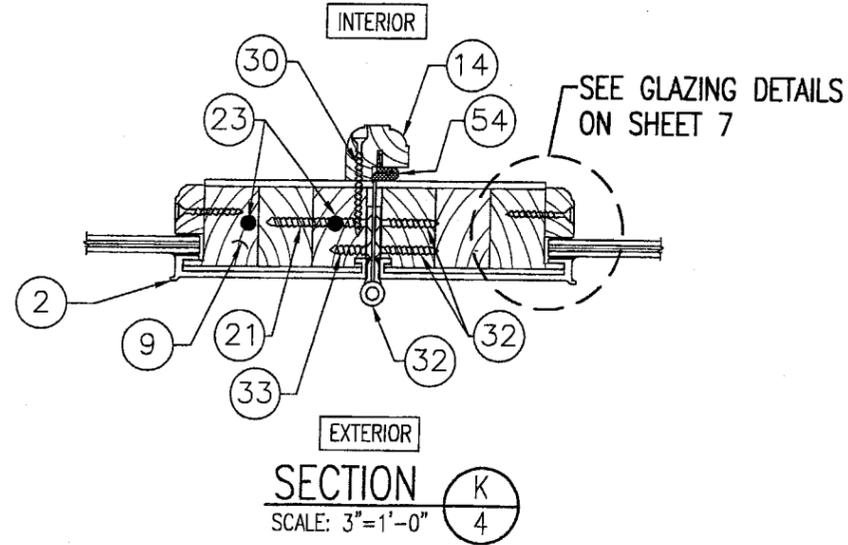
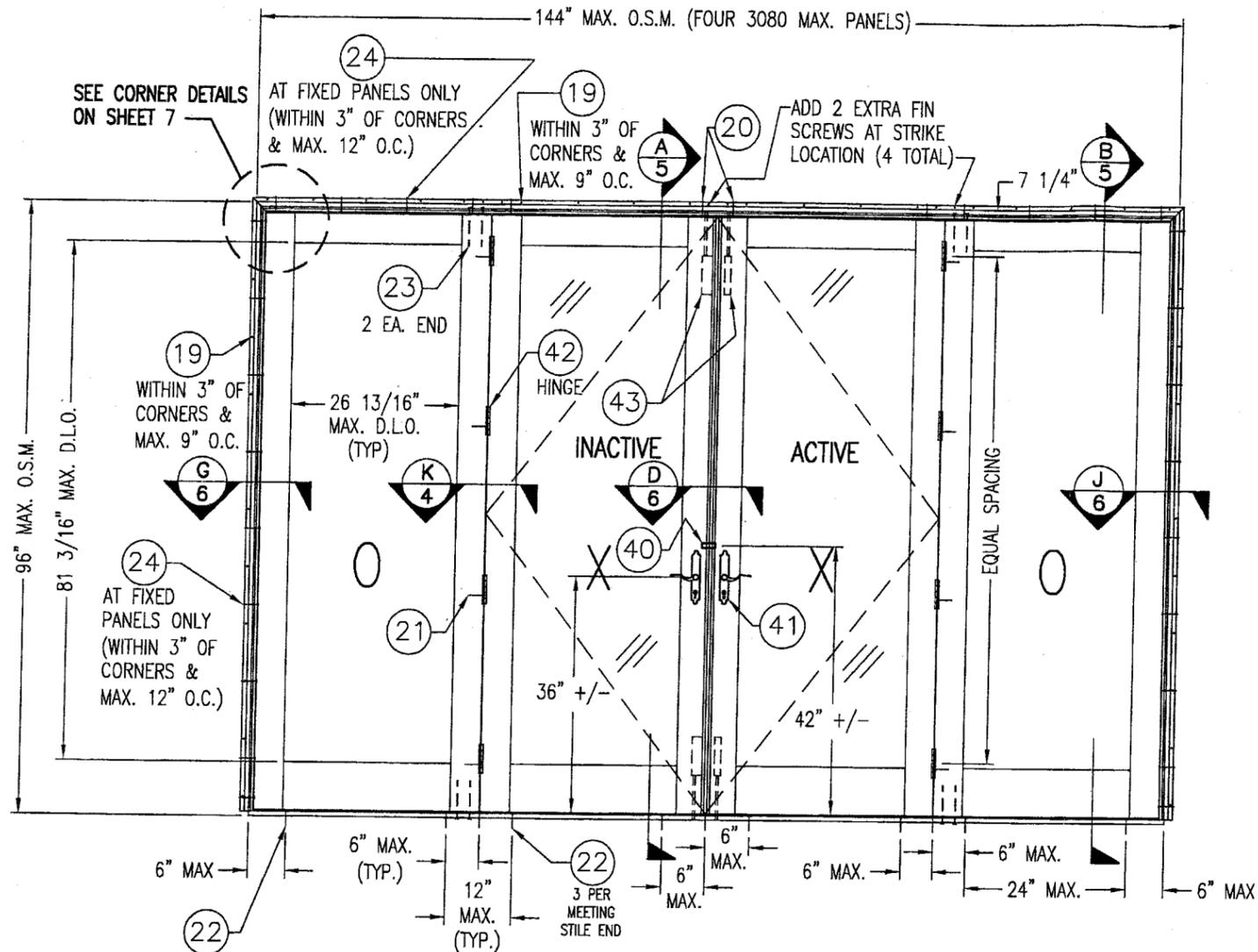
By *[Signature]*
Miami Dade Product Control Division

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

CONSULTANTS: **W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**
8805 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
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	JAN 16 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1004A	REV. B
SHEET NO.	3	OF 8



**QUAD DOOR/FIXED PANEL UNIT
WITH MAX. 3080 PANELS**

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

ALLOWABLE DESIGN LOADS = +48/-59 PSF FOR THIS UNIT

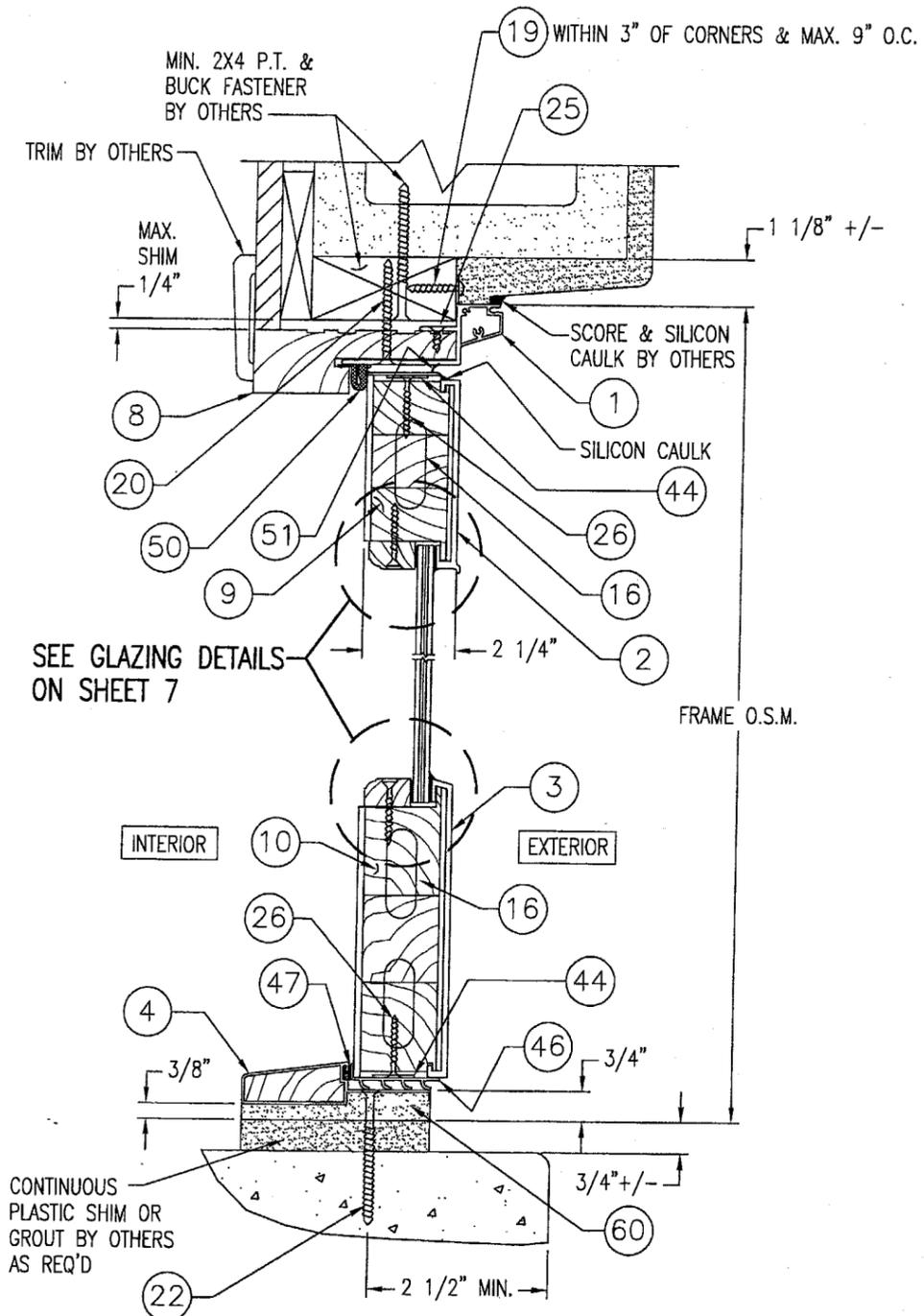
ALL ELEVATIONS VIEWED
FROM EXTERIOR

O.S.M. = OUTSIDE MEASUREMENT

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 05-0824-03
Expiration Date 04/16/11

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

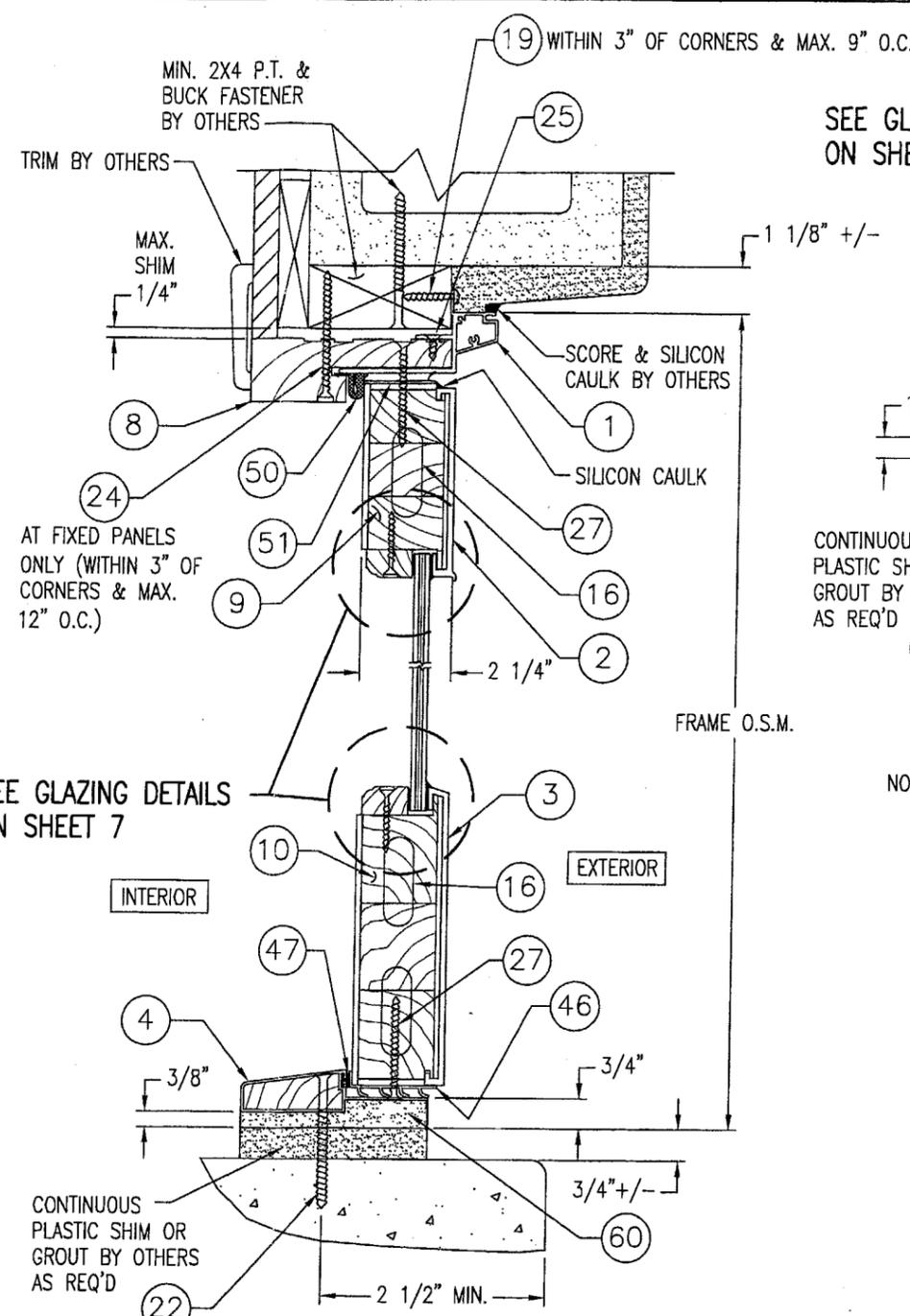
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 02/24/00	
NO.	REVISION DESCRIPTION	DATE	
A1	CHANGED SHEET #	03/19/01	
B2	ADDED ANCHORS AT SILL	08/09/05	
B3	CORRECTED SECTION & PART #'S	08/09/05	
DRAWING TITLE: OUTSWING FRENCH DOORS (DADE)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: ULTIMATE DOOR OF PALM BEACH, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CERTIFICATION			
JAN 16 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.		
1004A	B		
SHEET NO.			
4 OF 8			



SECTION A
SCALE: 3"=1'-0" OPERABLE DOORS

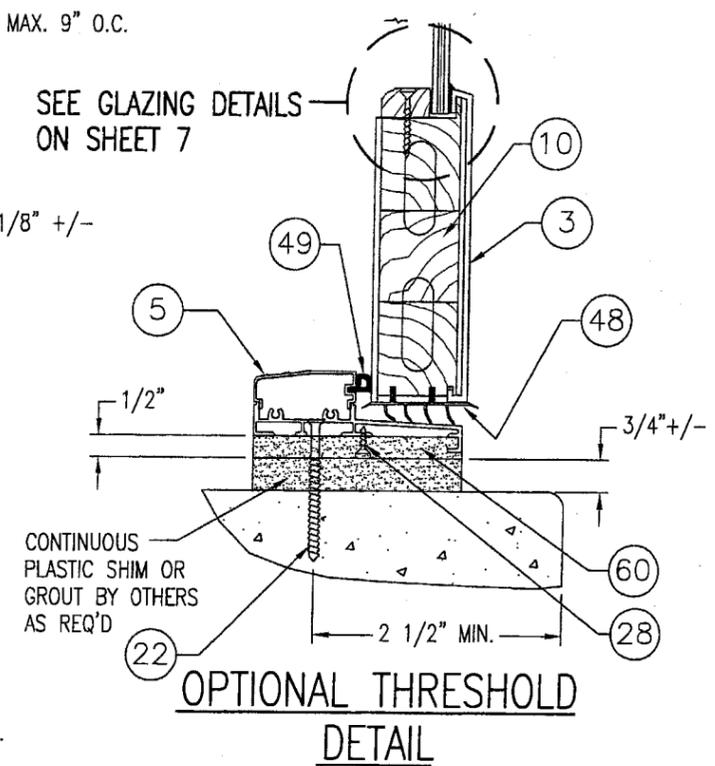
SEE "OPTIONAL THRESHOLD DETAIL" ON THIS SHEET FOR 2ND TYPE OF THRESHOLD & SEALS.
SEE "GLAZING DETAIL 2" ON SHEET 7 FOR 2ND TYPE OF GLAZING STOP

SEE ANCHOR REQUIREMENTS TABLE ON SHEET 1 & MATERIAL LIST ON SHEET 8 FOR ALL INSTALLATION REQUIREMENTS

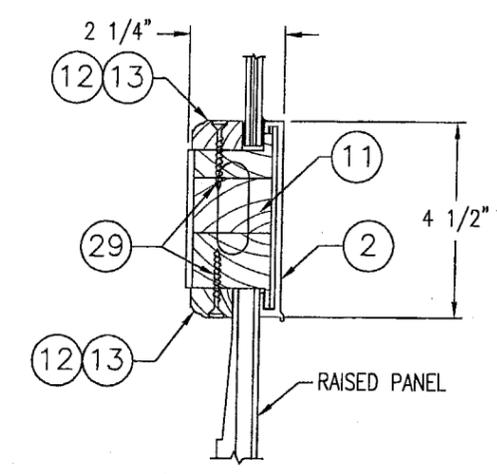


SECTION B
SCALE: 3"=1'-0" FIXED DOORS

SEE "OPTIONAL THRESHOLD DETAIL" ON THIS SHEET FOR 2ND TYPE OF THRESHOLD & SEALS.
SEE "GLAZING DETAIL 2" ON SHEET 7 FOR 2ND TYPE OF GLAZING STOP



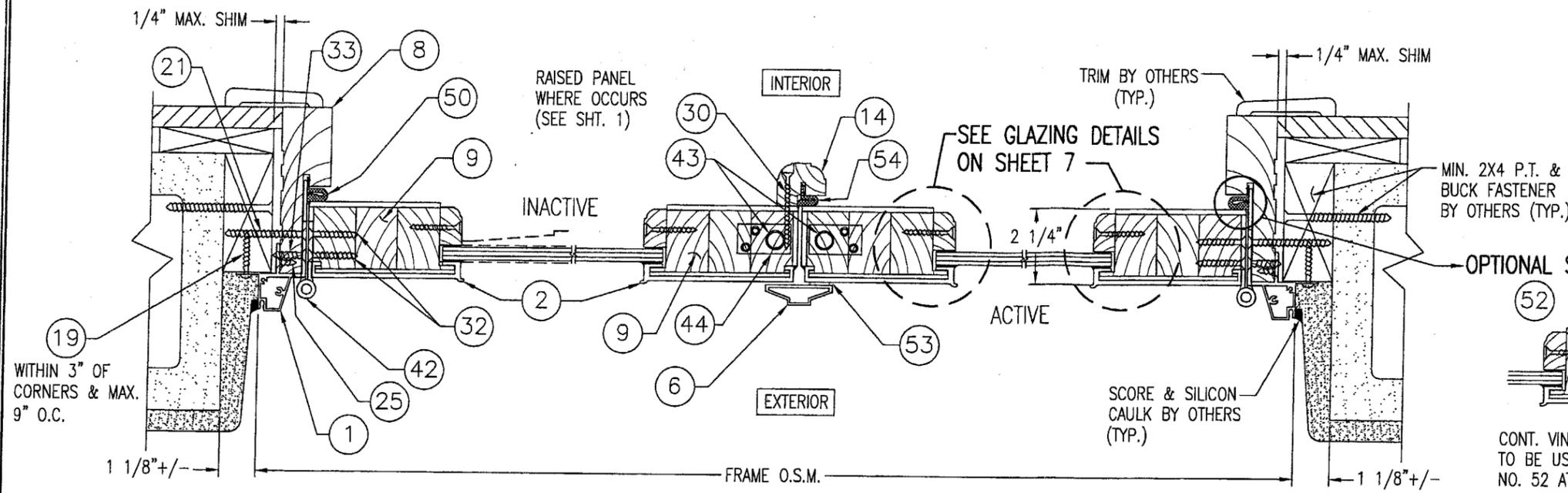
OPTIONAL THRESHOLD DETAIL
NOTE: SUB-THRESHOLD IS SILICONED TO ALUMINUM THRESHOLD



SECTION AA
SCALE: 3"=1'-0"

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=4		DATE: 02/24/00	
DATE	BY	NO.	REVISION DESCRIPTION
03/19/01	W.W.S.	A1	CHANGED SHEET #
DRAWING TITLE: OUTSWING FRENCH DOORS (DADE) 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. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: JAN 16 2006 WARREN W. SCHAEFER, P.E. No. 44135 Miami Dade Product Control Division			
DRAWING NO. 1004A		REV. B	
SHEET NO. 5 OF 8			

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 05-0824.03
Expiration Date 04/16/11



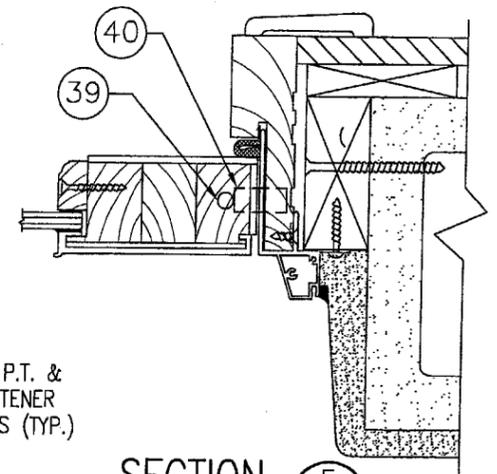
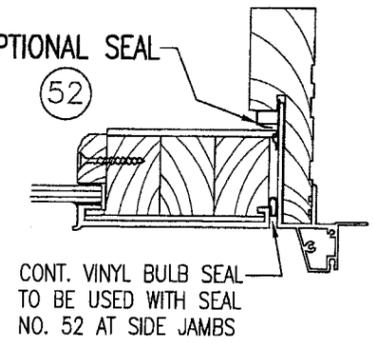
SECTION C
SCALE: 3"=1'-0"
6

SEE "OPTIONAL STILE/GLAZING DETAIL" ON SHEET 7 FOR 2ND TYPE OF STILE & GLAZING STOP

SECTION D
SCALE: 3"=1'-0"
6
OPERABLE DOORS

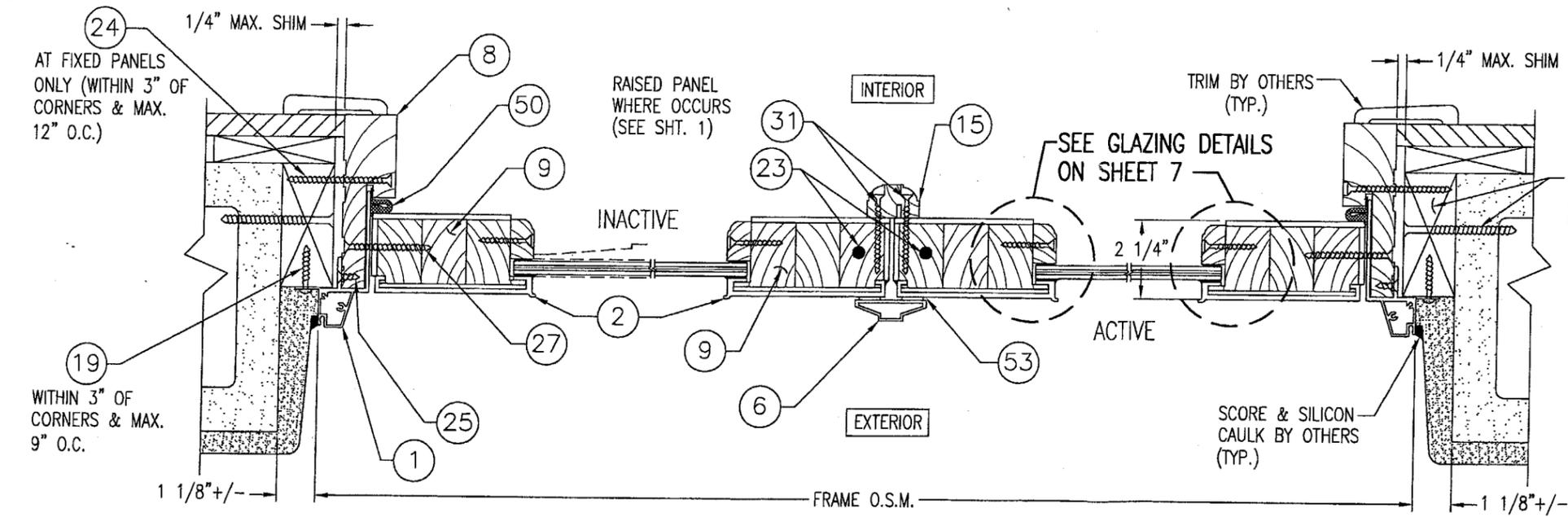
SECTION E
SCALE: 3"=1'-0"
6

SEE "OPTIONAL STILE/GLAZING DETAIL" ON SHEET 7 FOR 2ND TYPE OF STILE & GLAZING STOP



SECTION F
SCALE: 3"=1'-0"
6

SEE SECTION E/5 ON THIS SHEET FOR DETAIL NOT SHOWN.



SECTION G
SCALE: 3"=1'-0"
6

SEE "OPTIONAL STILE/GLAZING DETAIL" ON SHEET 7 FOR 2ND TYPE OF STILE & GLAZING STOP

SECTION H
SCALE: 3"=1'-0"
6
FIXED DOORS

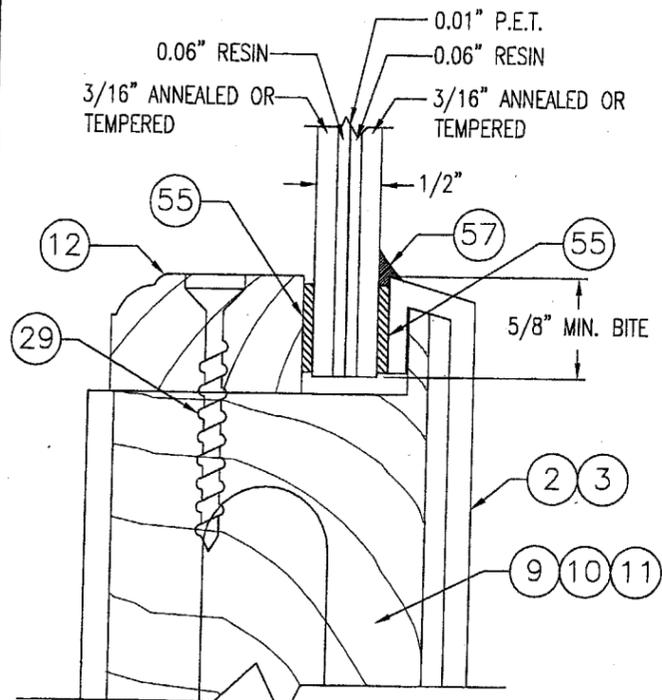
SECTION J
SCALE: 3"=1'-0"
6

SEE "OPTIONAL STILE/GLAZING DETAIL" ON SHEET 7 FOR 2ND TYPE OF STILE & GLAZING STOP

SEE ANCHOR REQUIREMENTS TABLE ON SHEET 1 & MATERIAL LIST ON SHEET 8 FOR ALL INSTALLATION REQUIREMENTS

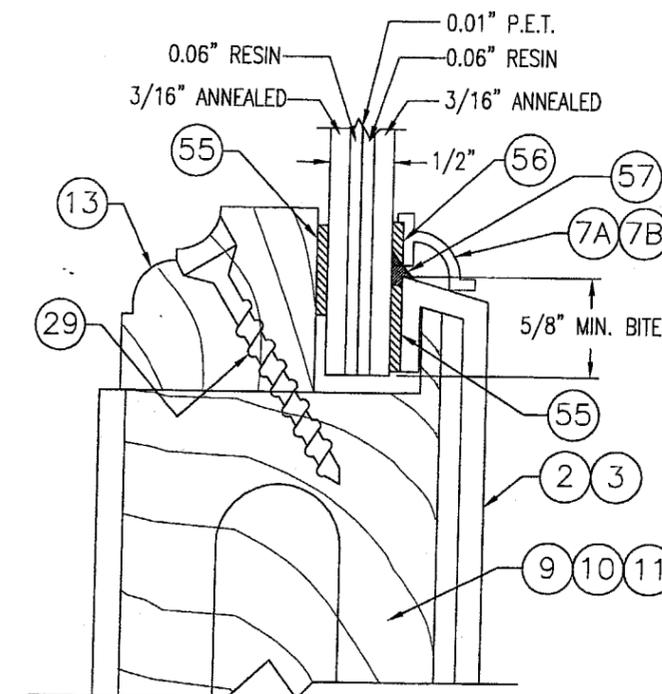
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No **05-0824.03**
Expiration Date **04/16/11**
By *[Signature]*
Miami-Dade Product Control Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=4		DATE: 02/24/00	
DATE	BY	REVISION DESCRIPTION	NO.
03/19/01	W.W.S.	CHANGED SHEET #	A1
DRAWING TITLE OUTSWING FRENCH DOORS (DADE)			
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 ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CERTIFICATION JAN 16 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1004A		REV. B	
SHEET NO. 6 OF 8			



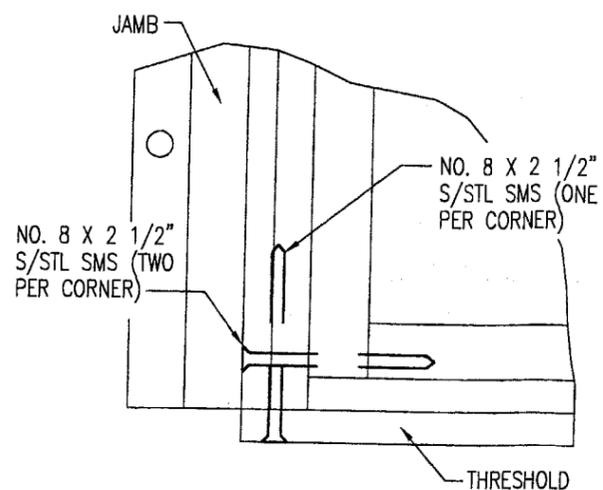
GLAZING DETAIL 1

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



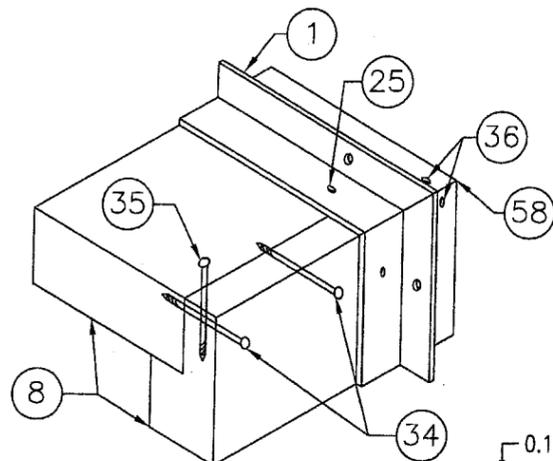
GLAZING DETAIL 2

NEBULA SAFETY-PLUS LAMINATED GLASS
(THIS DETAIL MAY BE USED WITH DOOR
SIZES 39"X96" AND SMALLER)
SCALE: FULL SIZE



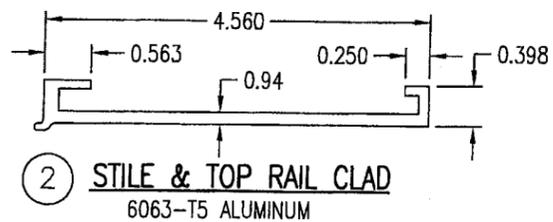
JAMB TO THRESHOLD CORNER

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

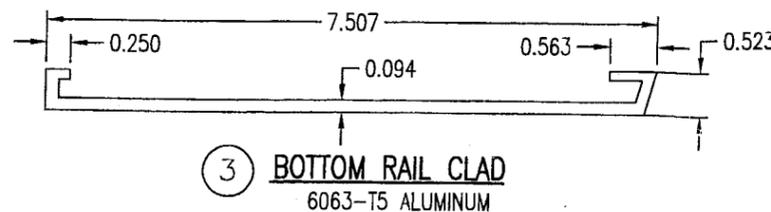


JAMB-JAMB CORNER

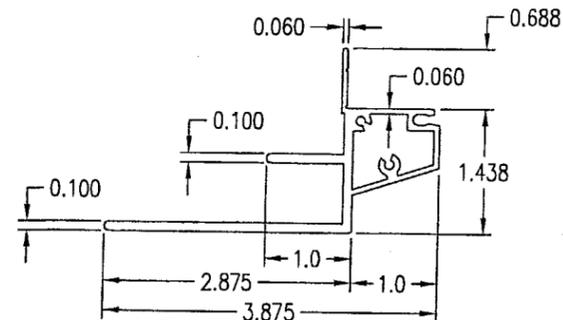
SCALE: N.T.S.
CORNER IS ALSO GLUED



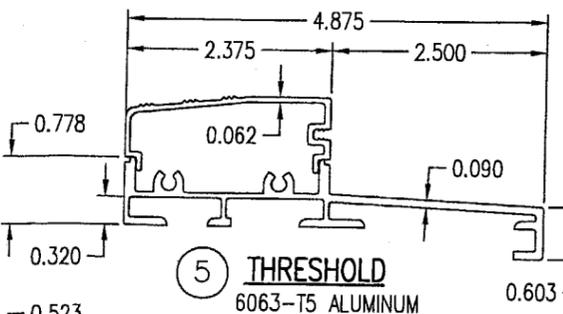
2 STILE & TOP RAIL CLAD
6063-T5 ALUMINUM



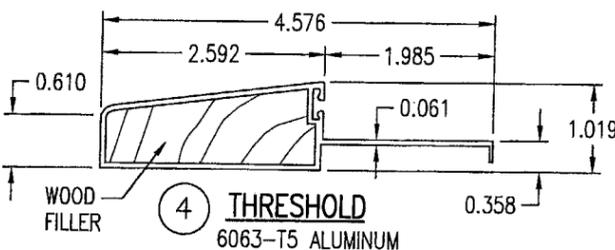
3 BOTTOM RAIL CLAD
6063-T5 ALUMINUM



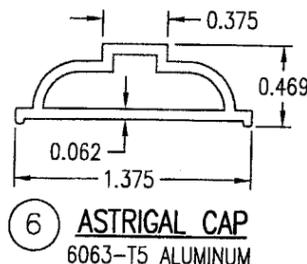
1 JAMB CLAD
6063-T5 ALUMINUM



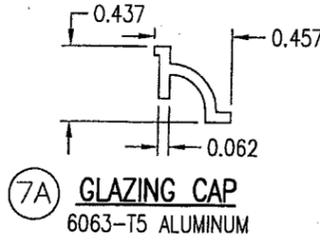
5 THRESHOLD
6063-T5 ALUMINUM



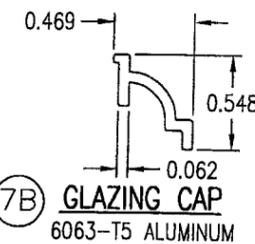
4 THRESHOLD
6063-T5 ALUMINUM



6 ASTRIGAL CAP
6063-T5 ALUMINUM



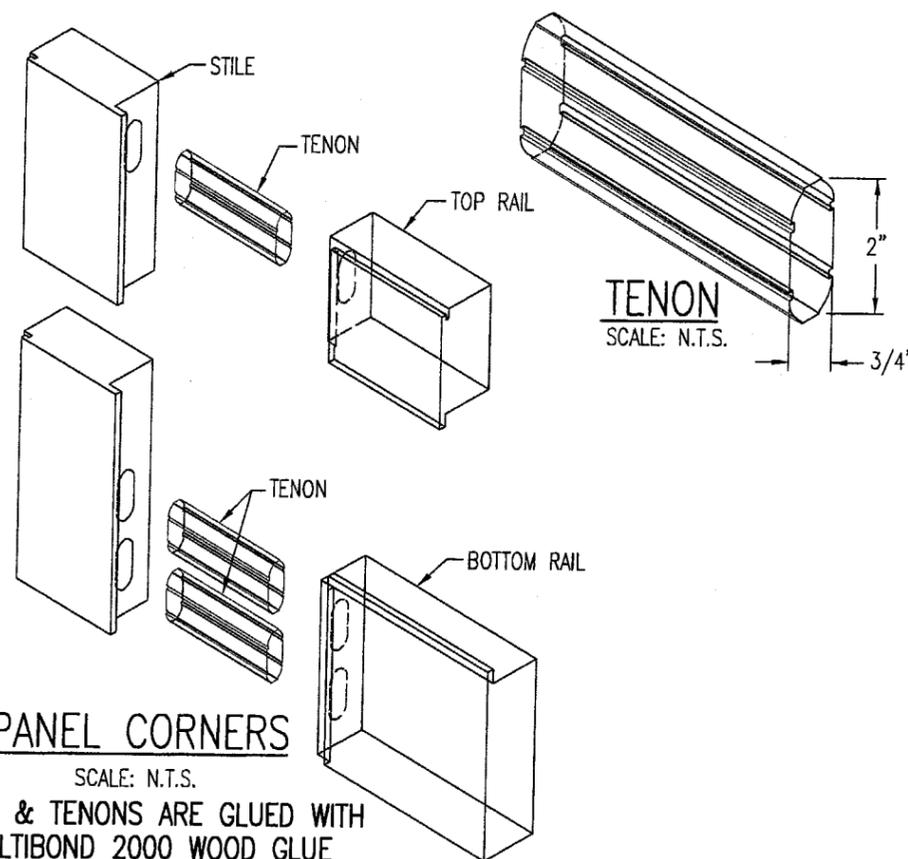
7A GLAZING CAP
6063-T5 ALUMINUM



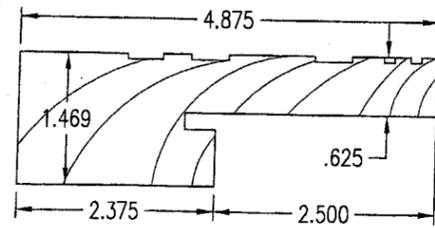
7B GLAZING CAP
6063-T5 ALUMINUM

PANEL CORNERS

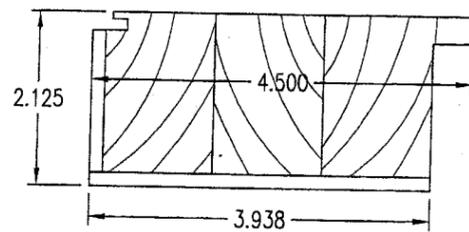
SCALE: N.T.S.
CORNERS & TENONS ARE GLUED WITH
MULTIBOND 2000 WOOD GLUE



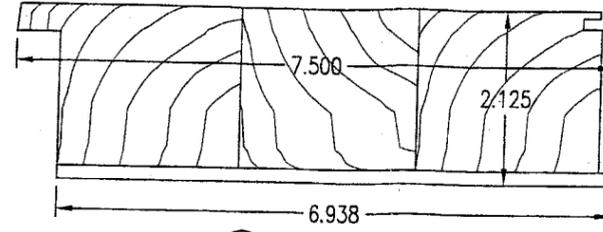
NO.	REVISION DESCRIPTION	DATE	BY	CHECKED BY
A1	CHANGED SHEET #	03/19/01	W.W.S.	W.W.S.
DRAWING TITLE		DRAWING NO.		REV.
OUTSWING FRENCH DOORS (DADE)		1004A		B
CONSULTANTS		SHEET NO.		
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		7		8
MANUFACTURER		CERTIFICATION		
ULTIMATE DOOR OF PALM BEACH, INC.		JAN 16 2006		
2800 2ND AVE. NORTH		WARREN W. SCHAEFER, P.E.		
LAKE WORTH, FL 33461		P.E. NO. 44135		
561-642-2828		PRODUCT RENEWED		
		as complying with the Florida Building Code		
		Acceptance No. 05-0824.03		
		Expiration Date 04/16/11		
		By: [Signature]		
		Miami Dade Product Control Division		



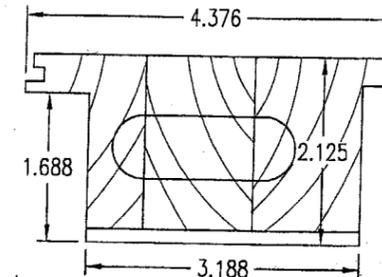
8 JAMB
PONDEROSA PINE



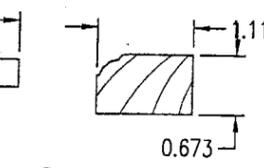
9 STILE & TOP RAIL
PONDEROSA PINE



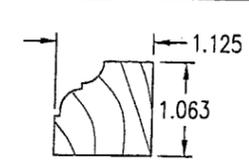
10 BOTTOM RAIL
PONDEROSA PINE



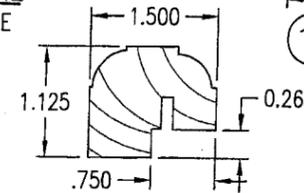
11 RAISED PANEL RAIL
PONDEROSA PINE



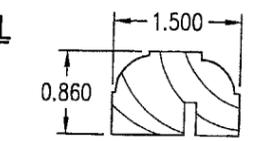
12 GLAZING STOP
PONDEROSA PINE



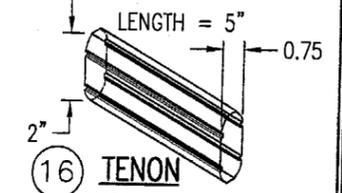
13 OPTIONAL GLAZING STOP
PONDEROSA PINE



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 SMS SCREWS	2 AT HEAD JAMB INTO BUCK MIN 1 1/4" (1 EA. SIDE OF MIDPOINT 4" APART)
21	NO. 12 S/STL SMS	ONE PER HINGE THROUGH JAMB & INTO BUCK OR FIXED PANEL MIN. 1 1/4"
22	1/4" TAPCON OR CR-10 CONCRETE SCREW	WHERE SHOWN IN ELEVATIONS (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 @ FIXED DOORS
24	NO. 8 SQUARE SLOT FINISH SCREW	3" FROM CORNERS & MAX 12" O.C. INTO BUCK MIN. 1 1/4" (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	NICLEL 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	SUB-THRESHOLD	SEALS END GRAIN OF FRAME (SOLID PVC)
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
 as complying with the Florida
 Building Code
 Acceptance No. 05-0824.03
 Expiration Date 04/16/11
 By *[Signature]*
 Miami-Dade Product Control
 Division

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	02/24/00
DATE:	03/18/01	BY:	
NO.:	AT	REVISION DESCRIPTION	
	CHANGED SHEET #		

DRAWING TITLE: OUTSWING FRENCH DOORS (DADE)
 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.
 8695 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION:	JAN 16 2006
DRAWING NO.	1004A
REV.	B
SHEET NO.	8 OF 8