



**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)

**Traco Windows & Doors, Inc.
71 Progress Avenue
Cranberry Township, PA 16166**

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: Series "Doral 3" Outswing Aluminum Patio Door

APPROVAL DOCUMENT: Drawing No. **03-0867-113**, titled "Series Doral 3 Outswing Patio Door", prepared by Frank Bennardo, P.E., sheets 1 through 5 of 5, dated 9/15/03 with revision on 9/24/03, signed and sealed by Frank Bennardo, 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: None

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** NOA # **01-0910.05**, and 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: 9/26/2003



**NOA No 03-0917.01
Expiration Date: September 14, 2006
Approval Date: October 16, 2003
Page 1**

Traco Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-0867-113**, titled "Series Doral 3 Outswing Aluminum Patio Door", prepared by Frank Bennardo, P.E., sheets 1 through 5 of 5, dated 9/15/03 with revision on 9/24/03, signed and sealed by Frank Bennardo, 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) Force Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a patio door, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL 0021-0502-03 dated 4/28-6/19/03, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and ASTM E-1300, prepared by manufacturer, dated 9/15/03, signed and sealed by Frank Bennardo, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade County Building Code Compliance Office.

E. STATEMENTS

1. Statement letter of no financial interest, dated 9/15/03, signed and sealed by Frank Bennardo, P.E.
2. Statement letter of conformance, dated 9/15/03, signed and sealed by Frank Bennardo, P.E.
3. Laboratory compliance letter for Hurricane Test Laboratory, Inc., Test Report No. HTL 0021-0502-03 dated 4/28-6/19/03, signed and sealed by Vinu Abraham, P.E.

G. OTHER

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



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0917.01
Expiration Date: September 14, 2006
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NON-IMPACT OUTSWING DOOR, WITH SIDELITES

GENERAL NOTES:

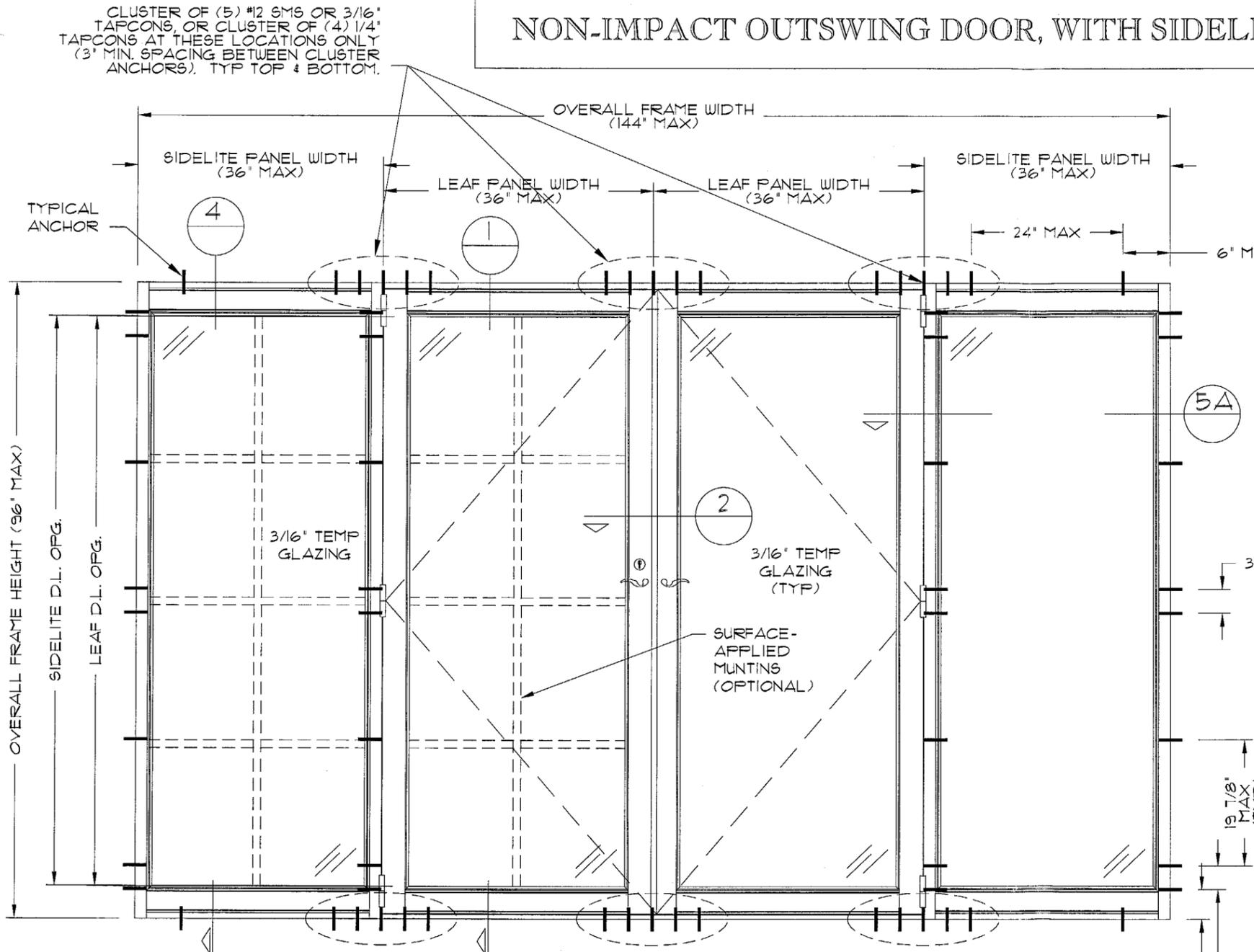
1. THE SWING DOOR SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2001, HIGH VELOCITY HURRICANE ZONES, AND MIAMI-DADE COUNTY PROTOCOLS TAS 201, 202 & 203.
2. A 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS DOOR SYSTEM.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS DOOR SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN ASCE 7-98 IS USED TO DETERMINE DESIGN PRESSURES, A DIRECTIONALITY FACTOR $K_d=1$ IS REQUIRED.
4. THE DOOR SYSTEM DETAILED HEREIN HAS BEEN TESTED PER MIAMI-DADE COUNTY PROTOCOLS TAS-201, TAS-202, & TAS-203 AS REFERENCED IN TEST REPORTS #34-532 BY MIAMI TESTING LABORATORY (MTL) & #0021-0502-03 BY HURRICANE TEST LABORATORY (HTL).
5. THE DOOR SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (NOT BY TRACO) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. DOOR PANELS GLAZED WITH 3/16" TEMPERED GLASS ARE NOT IMPACT RESISTANT AND SHALL BE PROTECTED WITH MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS FOR ALL INSTALLATIONS.
8. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

TABLE ①

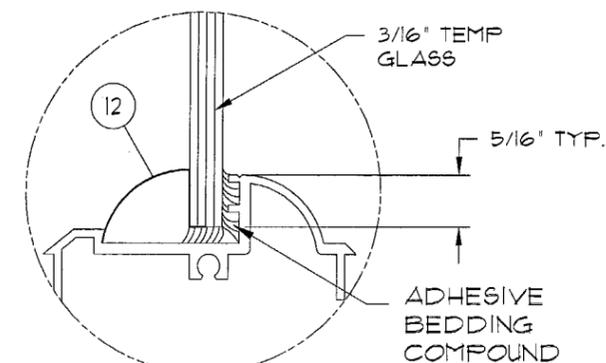
DOORS WITH SIDELITES				
DESIGN LOAD CAPACITY - PSF				
SINGLE PANEL DIMENSIONS		POSITIVE		NEG
PANEL WIDTH	FRAME HEIGHT	WHERE WATER * INFILTR. NOT REQ'D	WHERE WATER * INFILTR. REQ'D	
2'-6"	6'-8"	72.0	50.0	-69.9
2'-8"		68.5	50.0	-66.5
3'-0"		62.9	50.0	-61.0
2'-6"	8'-0"	57.7	50.0	-56.1
2'-8"		54.8	50.0	-53.2
3'-0"		50.0	50.0	-48.5

TABLE 1 NOTES:

1. "PANEL WIDTH" DENOTES MAX PANEL WIDTH (LEAF PANEL WIDTH OR SIDELITE PANEL WIDTH) FOR EACH OPENING IN HOST STRUCTURE.
- * WATER INFILTRATION REQUIREMENTS APPLY WHERE ROOF OVERHANG IS LESS THAN WALL HEIGHT AT DOOR LOCATION.



A EXTERIOR ELEVATION
AS SHOWN, OR OXX, XXO, OXO, XO, OX, or XX CONFIG (N.T.S.)



B GLAZING DETAIL
LEAF OR SIDELITE
(TYPICAL FOR 3/16" TEMP. GLAZING)

GLAZING NOTES:

ALL INSTALLATION SCREWS, FRAME & PANEL CORNER SEAMS SEALED WITH ALUM- OR CLEAR-COLORED SEALANT (FOR USE WITH 3/16" TEMP. GLASS).

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0913.01
Expiration Date 09/14/06
By: *[Signature]*
Miami Dade Product Control
Division

SEP 24 2003

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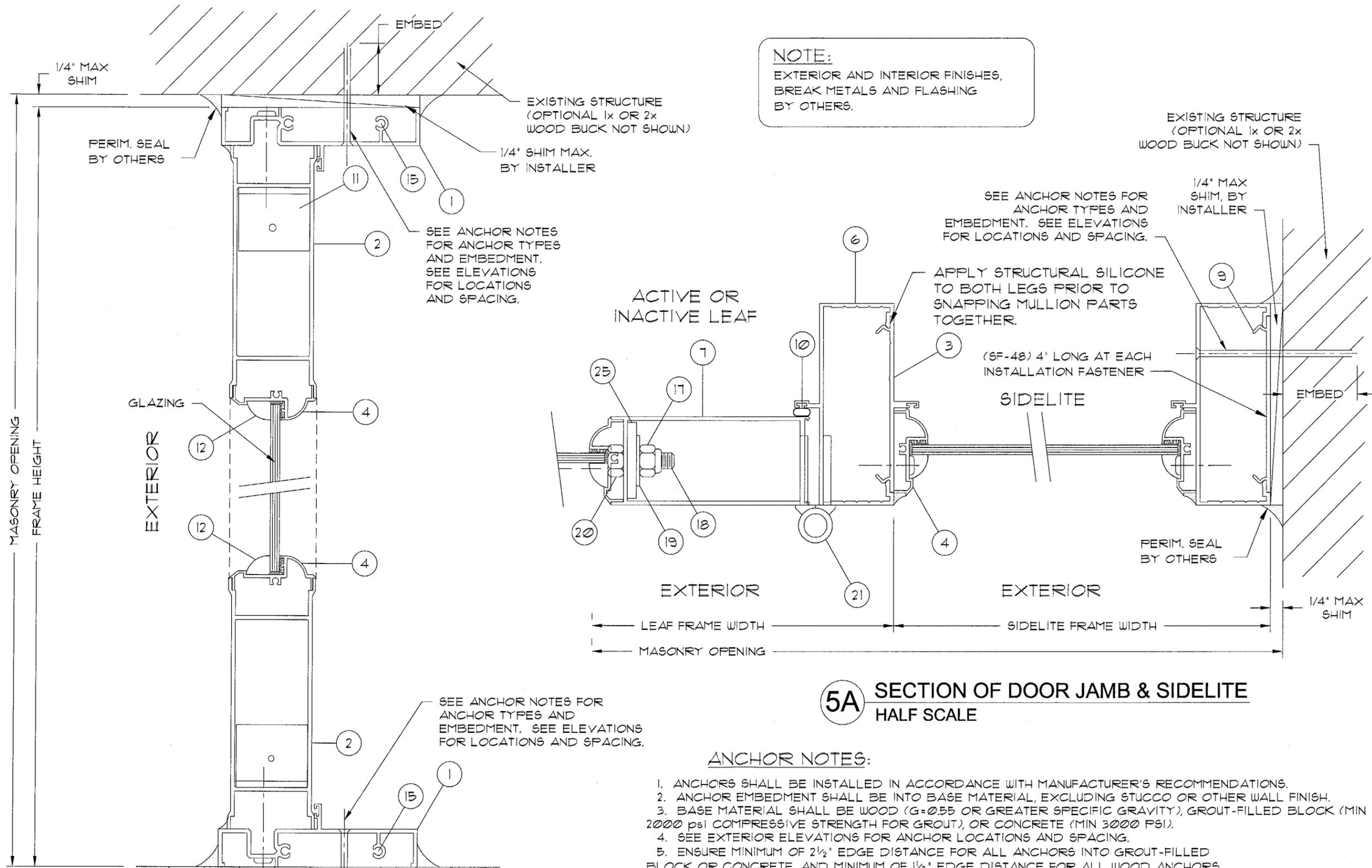
TRACO
Windows & Doors Inc.
SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR



REVISIONS	
DESCRIPTION	DATE
FOR LOADS (SL)	9/24/2003

SCALE: 1/2 (UNO.)
DRAWN BY: CL
CHECKED BY: HJB
ORIG. DATE: 3/15/2003
DWG #: 03-086-1-13

SHEET:
1 OF 3



**4 SECTION OF SIDELITE
HALF SCALE**

NOTE:
EXTERIOR AND INTERIOR FINISHES,
BREAK METALS AND FLASHING
BY OTHERS.

**5A SECTION OF DOOR JAMB & SIDELITE
HALF SCALE**

ANCHOR NOTES:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. ANCHOR EMBEDMENT SHALL BE INTO BASE MATERIAL, EXCLUDING STUCCO OR OTHER WALL FINISH.
3. BASE MATERIAL SHALL BE WOOD (G=0.55 OR GREATER SPECIFIC GRAVITY), GROUT-FILLED BLOCK (MIN 2000 psi COMPRESSIVE STRENGTH FOR GROUT), OR CONCRETE (MIN 3000 PSI).
4. SEE EXTERIOR ELEVATIONS FOR ANCHOR LOCATIONS AND SPACING.
5. ENSURE MINIMUM OF 2 1/2" EDGE DISTANCE FOR ALL ANCHORS INTO GROUT-FILLED BLOCK OR CONCRETE, AND MINIMUM OF 1 1/2" EDGE DISTANCE FOR ALL WOOD ANCHORS.
6. ANCHOR OPTIONS FOR INSTALLATION ARE AS FOLLOWS:

- TO 2x WOOD BUCK OR WOOD STRUCTURE:
#12 SMS, 3/16" TAPCONS OR 1/4" TAPCONS (ITW OR ELCO)
WITH 1 1/2" MINIMUM EMBEDMENT.
- TO CONC OR GROUT-FILLED BLOCK:
(DIRECTLY OR THRU 1x OR 2x WOOD BUCK)
3/16" OR 1/4" TAPCONS (ITW OR ELCO) WITH 1 1/4" MINIMUM
EMBEDMENT TO CONC OR GROUT-FILLED BLOCK.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **03-0917.01**
Expiration Date **09/14/06**
By *William Berman*
Miami Dade Product Control
Division

SEP 24 2003
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REG 2463-9

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TRACO
Windows & Doors Inc.



SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR

REVISIONS	DESCRIPTION	DATE
1	POB LOADS (SL)	3/24/2003

SCALE: 1/2"
DRAWN BY: CL
CHECKED BY: HLB
ORIG DATE: 3/15/2003
DWG #: 03-0861-113

SHEET:
4 OF 5

MATERIAL LIST

ITEM No.	PART No.	QUANTITY	DESCRIPTION	MAT'L	MFR/SUPPLIER/REMARKS
1	050-338	1/DOOR 2/SIDELITE	ATRIUM FRAME HEAD	6063-T6	TIFTON OR EQUIV.
2	050-389	2/ LEAF	DOOR LEAF TOP & BOTTOM RAIL	6063-T5	ALUMAX OR EQUIV.
3	050-002	1/ SIDELITE	SNAP CANTILEVER	6063-T5	-
4	050-372	4/ GLASS LITE	GLAZING SUB FRAME	6063-T6	TIFTON OR EQUIV.
5	050-138	1 # DOOR	THRESHOLD	6063-T5	ALUMAX OR EQUIV.
6	050-292	2/ DOOR 1/ SIDELITE	ATRIUM FRAME JAMB	6063-T5	TIFTON OR EQUIV.
7	051-394	2/ LEAF	RESIDENTIAL DOOR PANEL VERTICAL STILE	6063-T5	TIFTON OR EQUIV.
8	050-455	1/ LEAF	GAP CLOSURE	6063-T5	TIFTON OR EQUIV.
9	SF-48	A6 REQD.	INSTALLATION CLIP (4' LG.) AT ANCHORS	6063-T5	TIFTON OR EQUIV.
10					
11	050-124	A6 REQD.	1" x 1 1/4" x 1/8" ANGLE	ALUMINUM	-
12	004-00-009	A6 REQD.	ROLL FORMED GLAZING BEAD	-	-
13	-	A6 REQD.	#8 x 1" PHFH, SMS	-	-
14	A6 REQD.	-	1/8" SHIM	PLASTIC	-
15	-	8/ FRAME	#10 x 1" DOOR FRAME ASSEMBLY SCREW	-	-
16	-	A6 REQD.	DOOR HANDLE	-	MARBOLLO
17	-	4/ LEAF	1/2" SELF LOCK NUT	STEEL	-
18	-	2/ LEAF	1/2" ROD (2 X PANELS)	STEEL	-
19	-	4/ LEAF	1/2" FLAT WASHER	STEEL	-
20	-	4/ LEAF	1/2" REGULAR NUT	-	-
21	051-181	3/ LEAF	HINGES	-	-
22	007-10-051	2/ LEAF	STANDARD FLUSH BOLT	-	-
23	-	4	#8 x 1/2" SMS	-	-
24					
25	-	4/ LEAF	BLOCK ROD GUIDE	-	-
26	-	1	1 x 2 x 1/8" ANGLE	ALUMINUM	SILL RISER
27	-	1/ LEAF	1 x Ø50 ALUM BAR (BETWEEN VERTICALS)	ALUMINUM	-

ADDITIONAL SYSTEM NOTES

SEALANTS:

ALL FRAME AND LEAF CORNERS, INSTALLATION SCREW HEADS (AT SILL & JAMBS), AND BOTTOM GLAZING BEAD SEALED WITH SCHEE MOREHEAD 5504 SEALANT

HINGES:

4' LONG ALUM. BUTT HINGES WITH .312 DIA X 2-1/2" ALUM PIN, BRASS SPACER AND NYLON CAPS AT 3 1/2" FROM TOP & BOTTOM AND AT MIDSPAN

LOCKS:

STANDARD STEEL THROW BOLT LOCK, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR 39 1/2" FROM BOTTOM AT ACTIVE LEAF LOCK STILE.

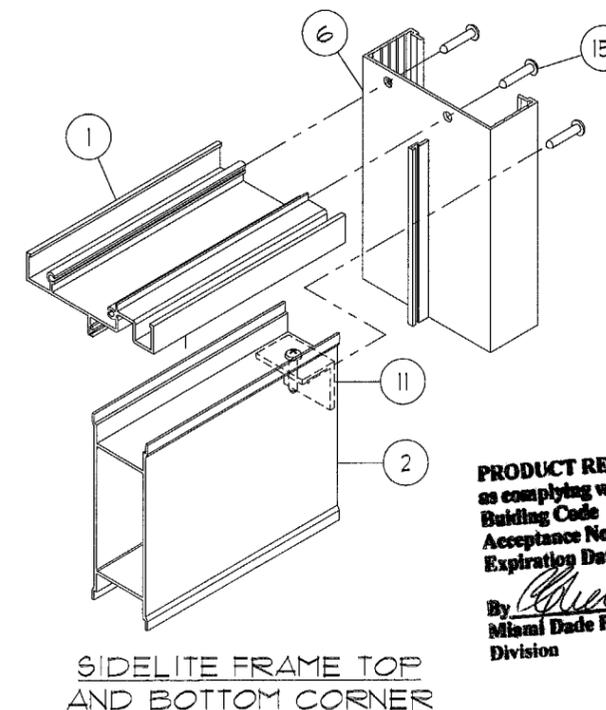
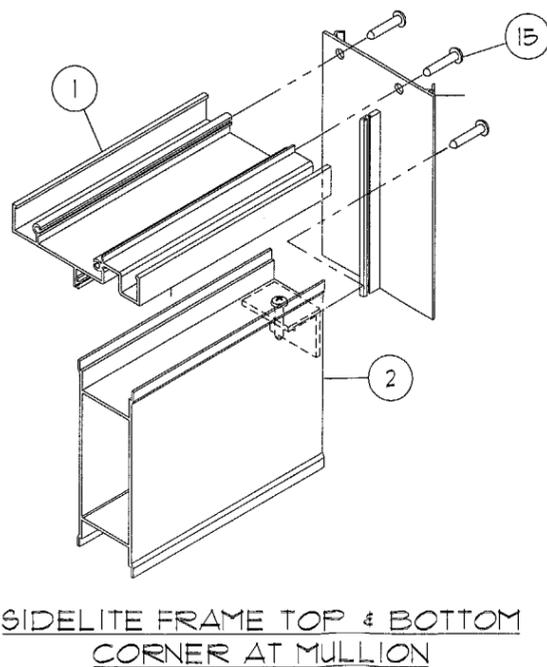
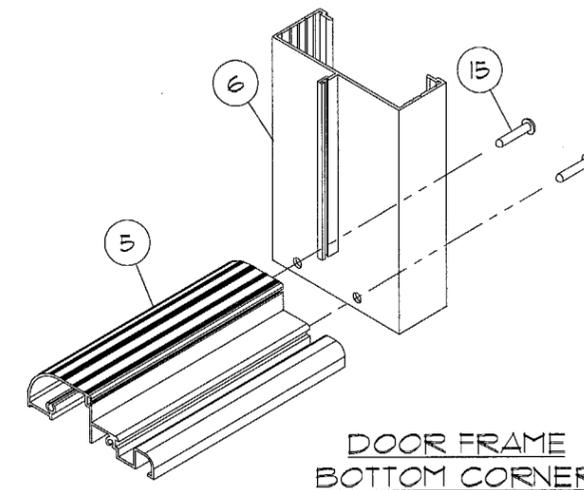
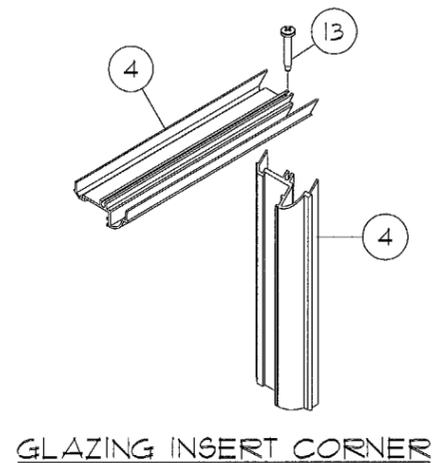
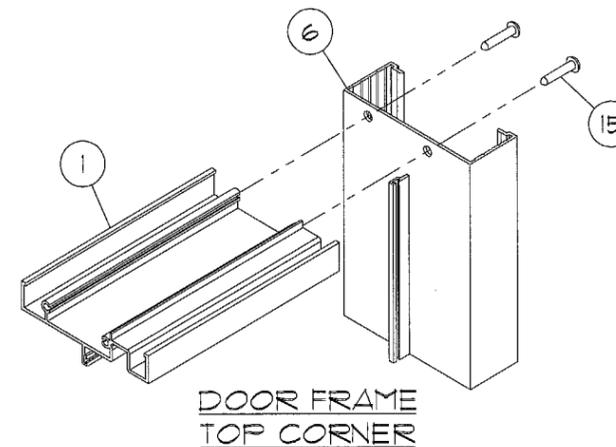
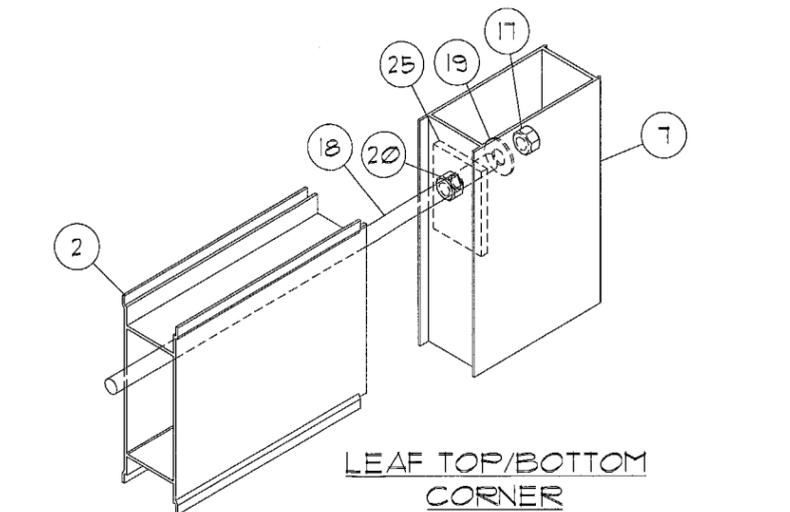
CONVENTIONAL LOCKSET WITH LEVER TYPE OPERATOR HANDLE AT ACTIVE LEAF LOCK STILE NEAR MIDSPAN.

STANDARD FLUSH BOLTS, MANUALLY OPERATED AT TOP AND BOTTOM OF EACH ACTIVE AND INACTIVE LEAF.

WEATHER-STRIPPING CONFIGURATIONS

	HEAD	JAMBS (2)	MEETING RAIL (2)	SILL
1	a	a	a	a
2	c	c	a	d
3	c	c	b	d

- a  FIN SEAL
- b  VINYL FLAP
- c  VINYL BULB
- d  FOAM-TITE LEAF



PRODUCT REVISED
as complying with the Florida
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Acceptance No. 03-0917.01
Expiration Date 09/14/06

By *Cherrie Berman*
Miami Dade Product Control
Division

SEP 24 2003
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SERIES DORAL 3
OUTSWING ALUMINUM PATIO DOOR

REVISIONS	DESCRIPTION	DATE
1	POB LOADS (SL)	9/24/2003

SCALE: N.T.S.
DRAWN BY: CL
CHECKED BY: FLB
ORIG DATE: 9/15/2003
DWG #: 03-086-1-113

SHEET:
5 OF 5