



**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" Structural Wood Unclipped Mullion**

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.

**ACCEPTANCE NO.: 01-0124.13**  
**EXPIRES: 04/23/2006**

Raul Rodriguez  
Chief Product Control Division

**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: 05/24/2001**



Ultimate Door of Palm Beach, Inc.

ACCEPTANCE No.: 01-0124.13

APPROVED : MAY 24 2001

EXPIRES : April 23, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

1.1 This renews the Notice of Acceptance, No. 97-0912.03, which was issued on April 23, 1998. It approves an unclipped mullion system, 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" Structural Wood Unclipped Mullion is a wooden structural member used for top-and-bottom and side-by-side installation. Mullion and its components shall be constructed in strict compliance with the following documents: Drawing No 529C, Sheets 1 through 4 of 4, titled "Unclipped Mullions", prepared by manufacturer, dated 10/02/97, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies only to Aluminum Clad Outswing Wood French Doors, Fixed Panels and Direct Set Aluminum Clad Fixed Windows, manufactured by *Ultimate Door of Palm Beach, Inc.* with a current Notice of Acceptance, installed as shown in approved drawings.

**4. INSTALLATION**

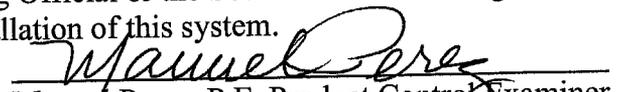
4.1 The unclipped mullion system and its components shall be installed in strict compliance with the approved drawings.  
4.2 This mullion can be installed as part of an impact resistant unit.

**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, with mullion option indicated.  
6.1.2 The Notice of Acceptance of each door and/or fixed lite attached to mullion.  
6.1.3 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.  
6.1.4 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.:** 01-0124.13

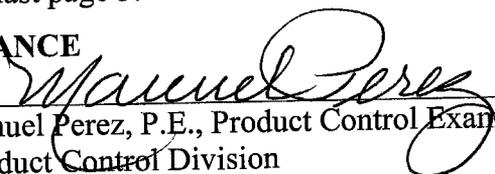
**APPROVED** : MAY 24 2001

**EXPIRES** : April 23, 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 purposes.
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 needs 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.: 01-0124.13

APPROVED : MAY 24 2001

EXPIRES : April 23, 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. **526C**, Sheets 1 through 4 of 4, titled "Unclipped Mullions" prepared by manufacturer, dated 10/02/97, signed and sealed by Warren W. Schaefer,

**B. TESTS**

1. Test reports on
  - 1) Air Infiltration Test, per SFBC, PA 202-94
  - 2) Uniform Load Static Air Pressure Test, per SFBC, PA 202-94
  - 3) Water Resistance Test, per SFBC, PA 202-94
  - 4) Large Missile Impact Test, SFBC PA 201-94
  - 5) Cyclic Loading Test, per SFBC PA 203-94along with installation diagram of a pair of outswing wood door and a fixed lite (OOX configuration) mullied together, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0026-0320-97**, dated 03/26/97, signed and sealed by Timothy Marshall, P.E.

**C. CALCULATIONS**

1. Engineering Structural & 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**

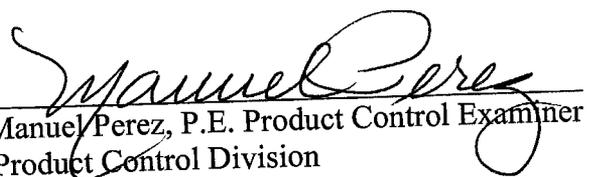
1. None.

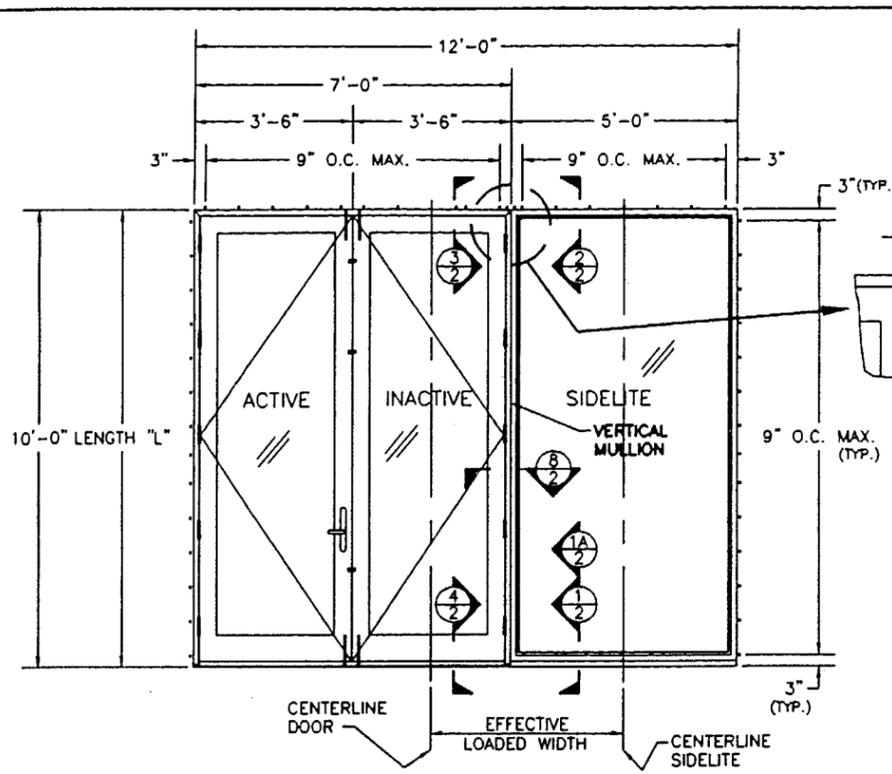
**E. STATEMENTS**

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 certifying that their engineer Warren W. Schaefer, P.E. is still practicing engineering, signed and sealed by Roger Warwick, P.E.

**F. OTHER**

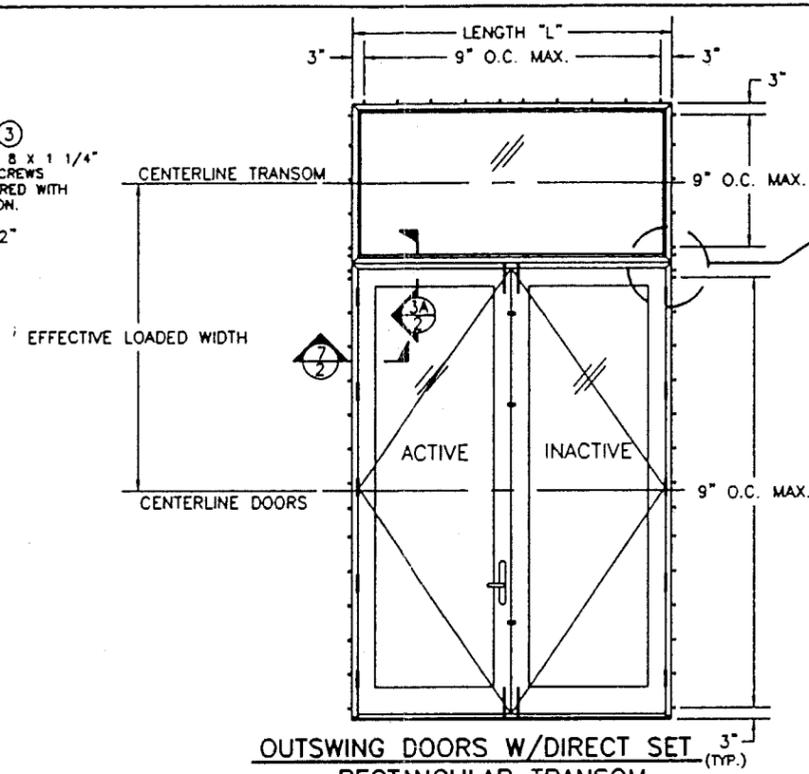
1. Notice Acceptance No. **97-0912.03**, issued to Ultimate Door of Palm Beach, Inc. for their "Ultimate Door" Structural Wood Unclipped Mullion, approved on 04/23/98 and expiring on 04/23/01.

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



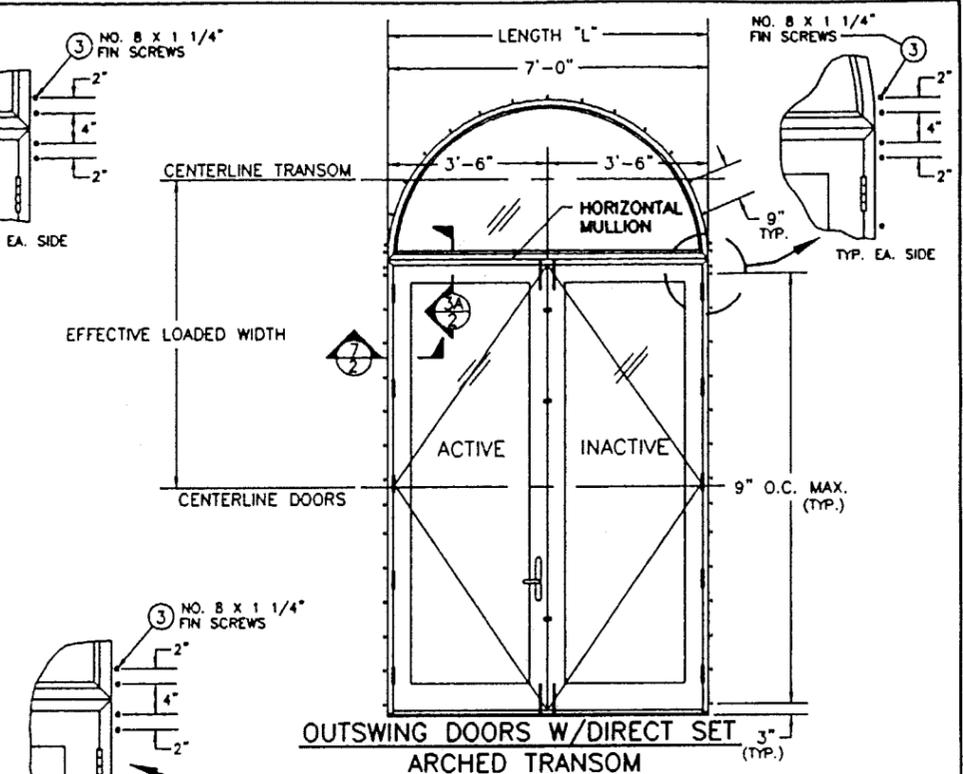
**OUTSWING DOORS W/DIRECT SET SIDELITE**

(SEE GRAPH NO. 1)  
(TESTED UNIT)  
OUTSIDE VIEW



**OUTSWING DOORS W/DIRECT SET  
RECTANGULAR TRANSOM**

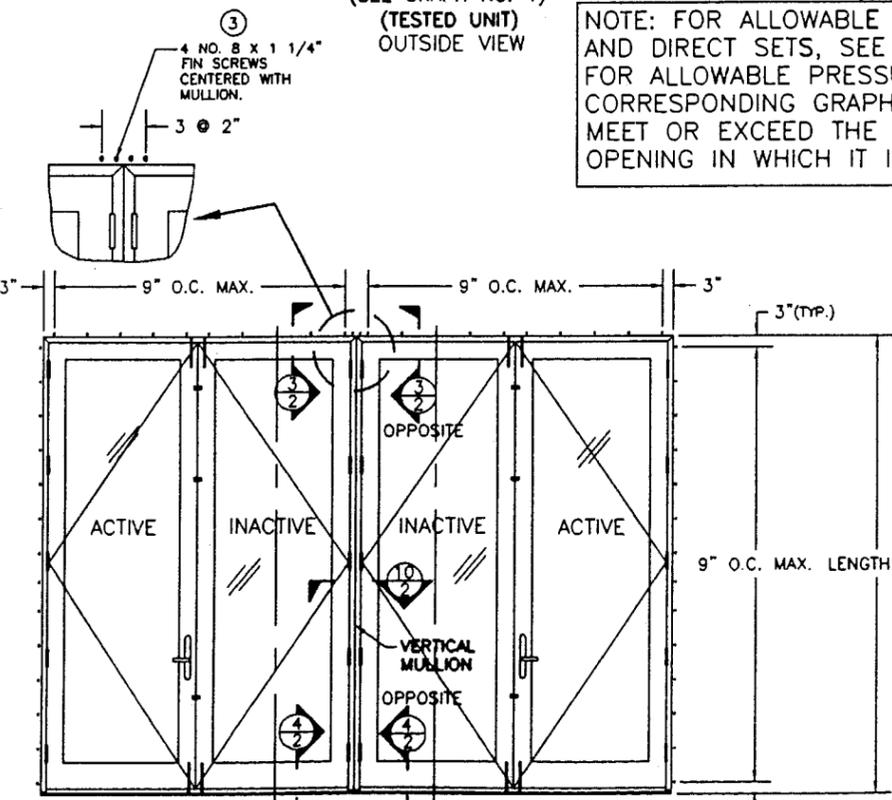
(SEE GRAPH NO. 4)  
OUTSIDE VIEW



**OUTSWING DOORS W/DIRECT SET  
ARCHED TRANSOM**

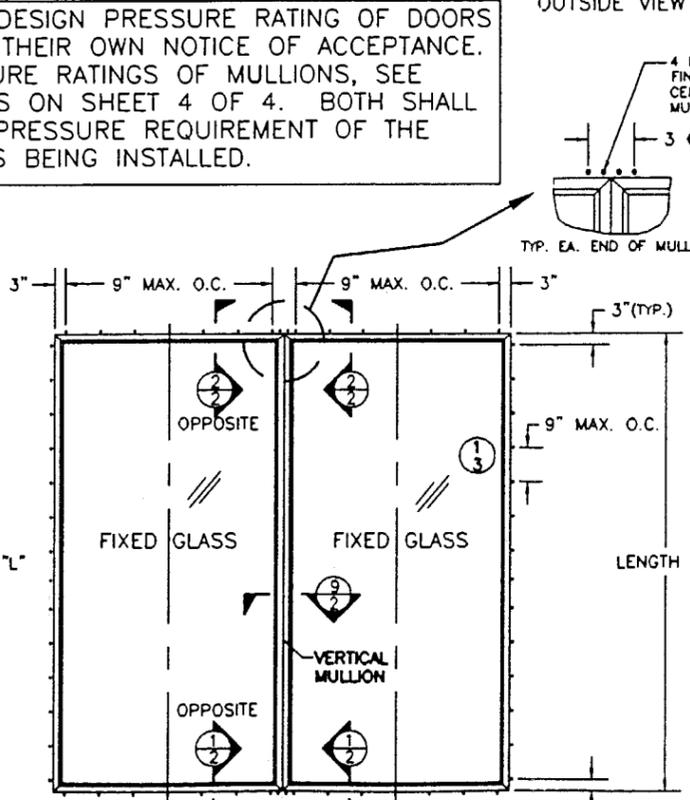
(SEE GRAPH NO. 4)  
(TESTED UNIT)  
OUTSIDE VIEW

NOTE: FOR ALLOWABLE DESIGN PRESSURE RATING OF DOORS AND DIRECT SETS, SEE THEIR OWN NOTICE OF ACCEPTANCE. FOR ALLOWABLE PRESSURE RATINGS OF MULLIONS, SEE CORRESPONDING GRAPHS ON SHEET 4 OF 4. BOTH SHALL MEET OR EXCEED THE PRESSURE REQUIREMENT OF THE OPENING IN WHICH IT IS BEING INSTALLED.



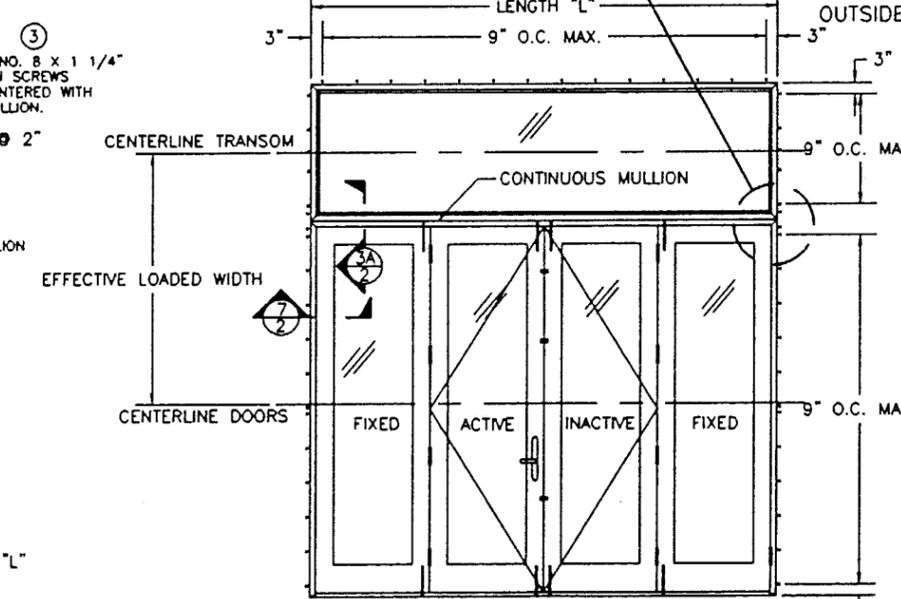
**OUTSWING DOORS EACH SIDE**

(SEE GRAPH NO. 2)  
OUTSIDE VIEW



**SIDELITE EACH SIDE**

(SEE GRAPH NO. 3)  
OUTSIDE VIEW



**TRIPLE OR QUAD OUTSWING DOORS/FIXED PANELS**

(SEE GRAPH NO. 5)

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0124.13

EXPIRATION DATE 4-23-06

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

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *APRIL 23* 1998  
BY *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 97-0912.03

W. W. SCHAEFER ENGINEERING  
& CONSULTING, P.A.  
5070 WILLOW POND ROAD WEST  
WEST PALM BEACH, FL 33417  
PHONE: 561-640-7177; FAX: 561-697-4620

**ULTIMATE DOOR**  
OF PALM BEACH, INC. (DADE)

1902 7th COURT NORTH "B"  
LAKE WORTH, FL 33461  
PHONE: 561-586-3888; FAX: 561-586-0050

SCALE: 1/4" = 1'-0"

DRAWN BY: W.W.S.

TITLE UNCLIPPED MULLIONS

DATE: 10/02/97

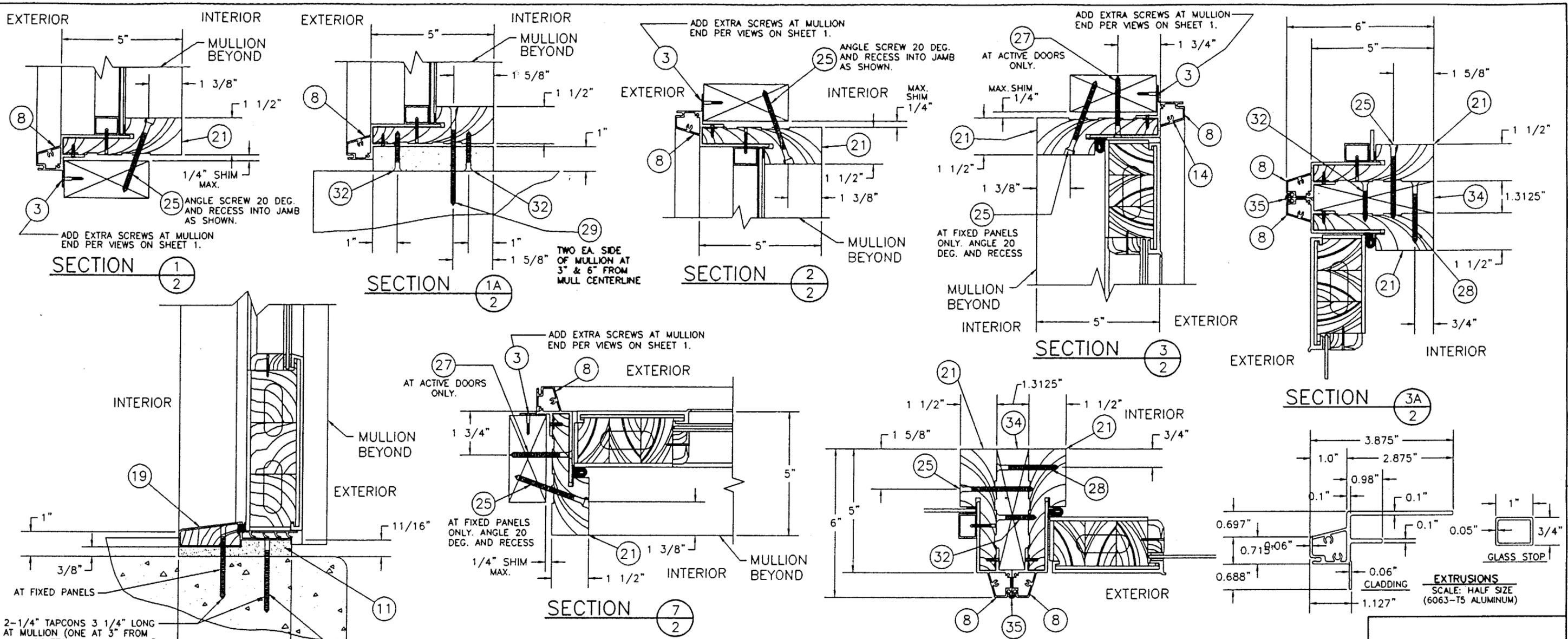
REV. NO. DESCRIPTION DATE

529C  
DRAWING NO.

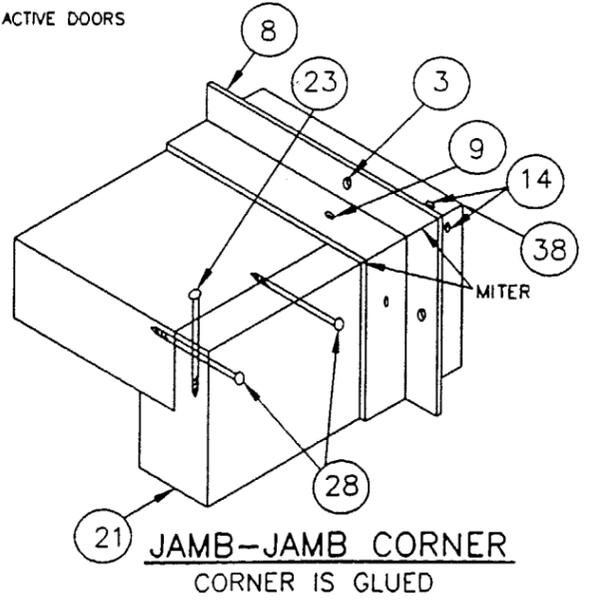
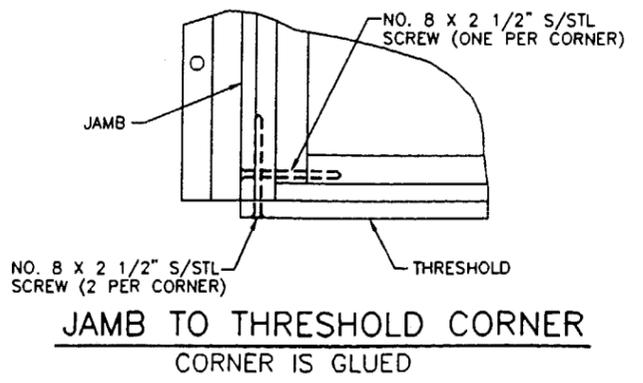
SHEET 1 OF 4

*Warren W. Schaefer*  
MAR 31 1998

WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER; P.E. NO. 44135



2-1/4" TAPCONS 3 1/4" LONG AT MULLION (ONE AT 3" FROM MULL CENTERLINE & ONE AT 6" FROM MULL CENTERLINE) TYP. AT WOOD AND CONCRETE BASE. IF DOORS EXIST ON BOTH SIDES OF MULLION, PLACE TWO FASTENERS AT EA. SIDE OF MULL.



SECTION 8 9 10  
(SECTIONS 9 & 10 SIMILAR TO 8)

**PRODUCT RENEWED**  
ACCEPTANCE No. 01-0124-13  
EXPIRATION DATE 4-23-06  
By Mannul Puz  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

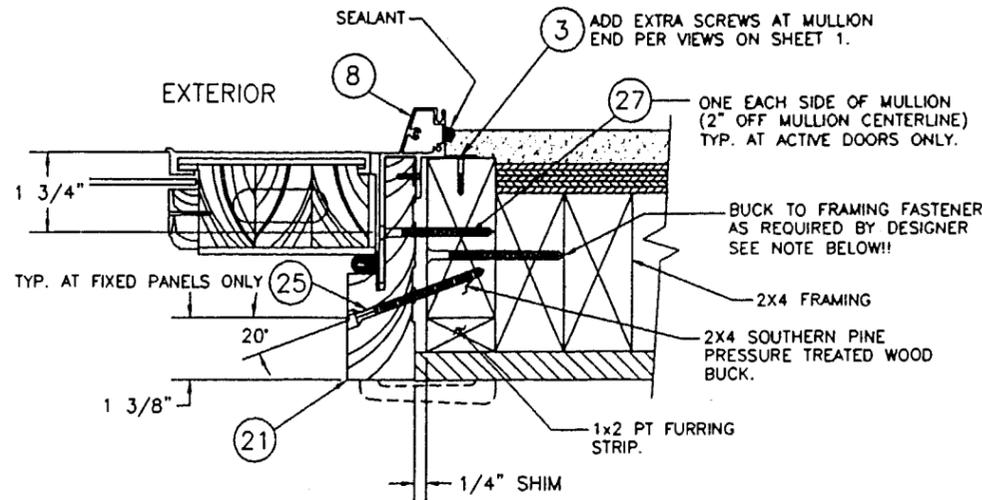
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
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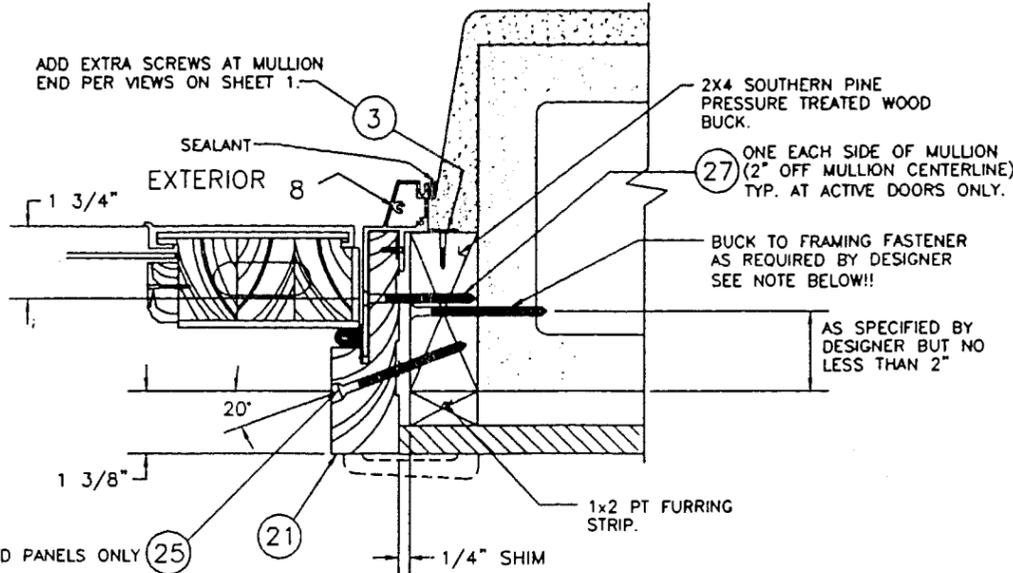
*Warren W. Schaefer*  
**MAR 31 1998**  
WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER; P.E. NO. 44135

SCALE: 3"=1'-0"		DRAWN BY: W.W.S.	
TITLE UNCLIPPED MULLIONS		DATE: 10/02/97	
REV. NO.	DESCRIPTION	DATE	529C DRAWING NO.
			SHEET 2 OF 4



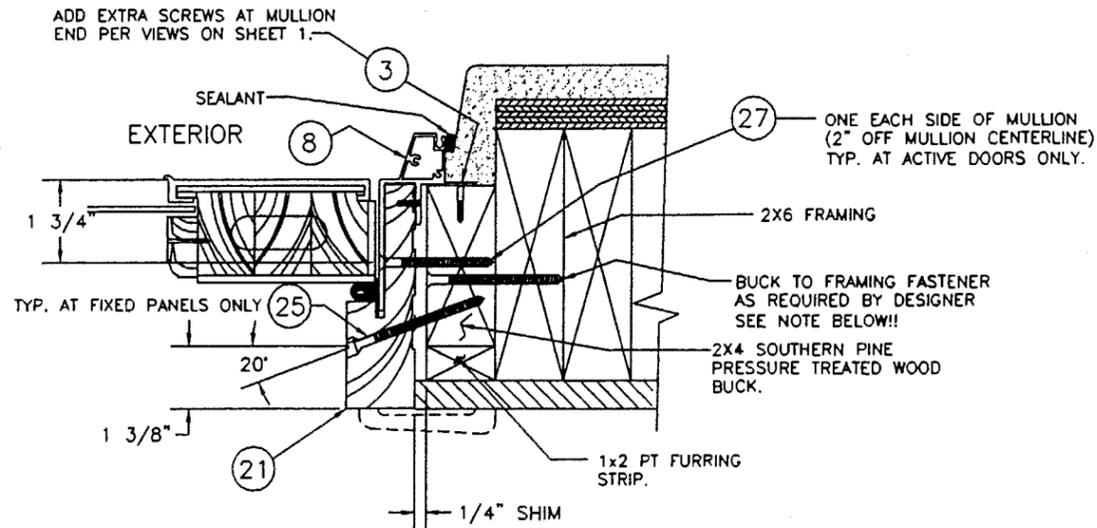
**BUCKING DETAIL  
2X4 FRAMED OPENING**

NOTE: POINT LOADS EXIST AT MULLION ENDS AND AT DOOR LATCH POINTS AND VARY WITH THE SIZE OF THE SYSTEM. THE BUCK FASTENING DESIGNER SHALL CONSIDER THESE LOADS WHEN SPECIFYING BUCK TO OPENING FASTENERS AND THEIR SPACINGS (FASTENER SPACING SHALL NOT EXCEED 16" O.C. REGARDLESS OF SITUATION).



**BUCKING DETAIL  
BLOCK OR CONCRETE FRAMED OPENING**

NOTE: POINT LOADS EXIST AT MULLION ENDS AND AT DOOR LATCH POINTS AND VARY WITH THE SIZE OF THE SYSTEM. THE BUCK FASTENING DESIGNER SHALL CONSIDER THESE LOADS WHEN SPECIFYING BUCK TO OPENING FASTENERS AND THEIR SPACINGS (FASTENER SPACING SHALL NOT EXCEED 16" O.C. REGARDLESS OF SITUATION).



**BUCKING DETAIL  
2X6 FRAMED OPENING**

NOTE: POINT LOADS EXIST AT MULLION ENDS AND AT DOOR LATCH POINTS AND VARY WITH THE SIZE OF THE SYSTEM. THE BUCK FASTENING DESIGNER SHALL CONSIDER THESE LOADS WHEN SPECIFYING BUCK TO OPENING FASTENERS AND THEIR SPACINGS (FASTENER SPACING SHALL NOT EXCEED 16" O.C. REGARDLESS OF SITUATION).

**GENERAL NOTES**

1. THESE GLASS DOOR AND DIRECT SET SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH:  
A) SOUTH FLORIDA BUILDING CODE, 1994 EDITION
2. MINIMUM MECHANICAL PROPERTIES SHALL BE IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION HANDBOOK AND NATIONAL WOOD WINDOW AND DOOR MANUFACTURERS ASSOCIATION.
3. DESIGN POSITIVE AND NEGATIVE WIND LOADS FOR OPENINGS MAY NOT EXCEED THOSE LISTED ON THESE DRAWINGS FOR EACH PARTICULAR SYSTEM.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
5. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 AND 203 WITH DESIGN LOADS AS SHOWN IN THE LEGEND AND/OR IN GRAPHS.
6. ALL FASTENERS FOR BUCK TO OPENING CONNECTIONS SHALL BE AS SPECIFIED BY THE DESIGNER OF RECORD BUT MUST CONFORM WITH THE MINIMUM REQUIREMENTS OF THESE DRAWINGS.
6. REFER TO MATERIAL LIST "MTL-1" FOR ALL MATERIAL DESCRIPTIONS.

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0124.13

EXPIRATION DATE 4-23-06

By Manuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE APRIL 23 1998  
BY Manuel Perez  
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STRUCTURAL ENGINEER; P.E. NO. 44135

SCALE: 3"=1'-0"		DRAWN BY: W.W.S.
TITLE UNCLIPPED MULLIONS		DATE: 10/02/97
REV. NO.	DESCRIPTION	DATE
		529C DRAWING NO.
		SHEET 3 OF 4

