



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 Avenue 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: Series "Ultimate Door" Structural Wood Unclipped Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. 529C, titled "Unclipped Mullion", sheets 1 through 4 of 4, dated 10/02/97, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren 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 # 01-0124.13 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

NOA No 05-0829.05

Expiration Date: April 23, 2011

Approval Date: March 30, 2006

Page 1



J. Gascon
3/30/06

Ultimate Door of Palm Beach, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **529C**, titled "Unclipped Mullion", Sheets 1 through 4 of 4, dated - 10/02/97, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren 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
4) Large Missile Impact Test, FBC, TAS 201-94
5) Cyclic Loading Test, per FBC, TAS 203-94
along 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.
"Submitted under NOA # 01-0124.13"

C. CALCULATIONS

1. Revised engineering Structural & Anchor Calculations, prepared by W. W. Schaefer, Engineering & Consulting, P.A. dated 01/16/06, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. 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.

G. OTHER

1. Notice of Acceptance No. **01-0124.13**, issued to Ultimate Door of Palm Beach, Inc. for their Series "Ultimate Door" Structural Wood Unclipped Mullion, approved on 05/24/01 and expiring on 04/23/06.

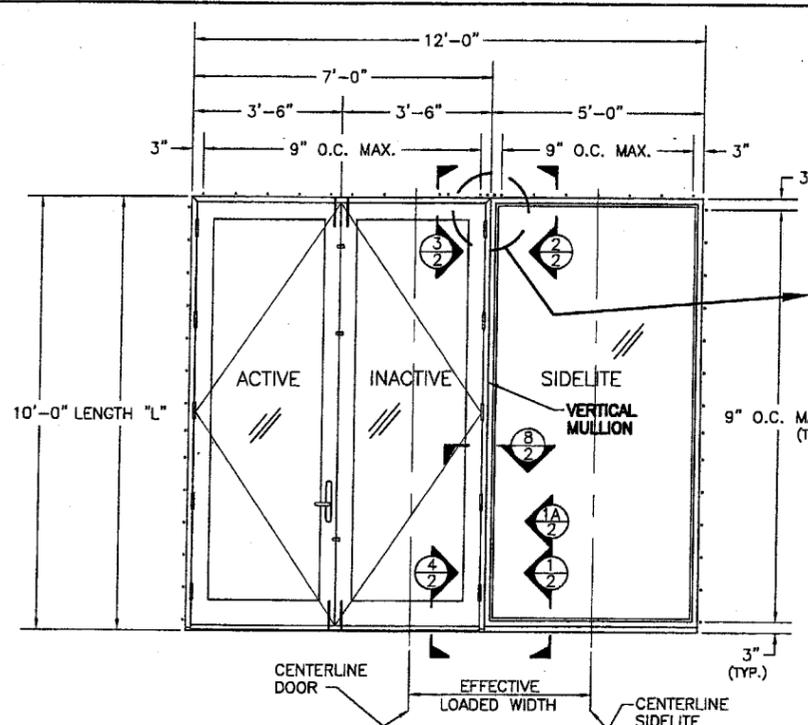

Herminio F. Gonzalez, P.E.

Director, Building Code Compliance Office

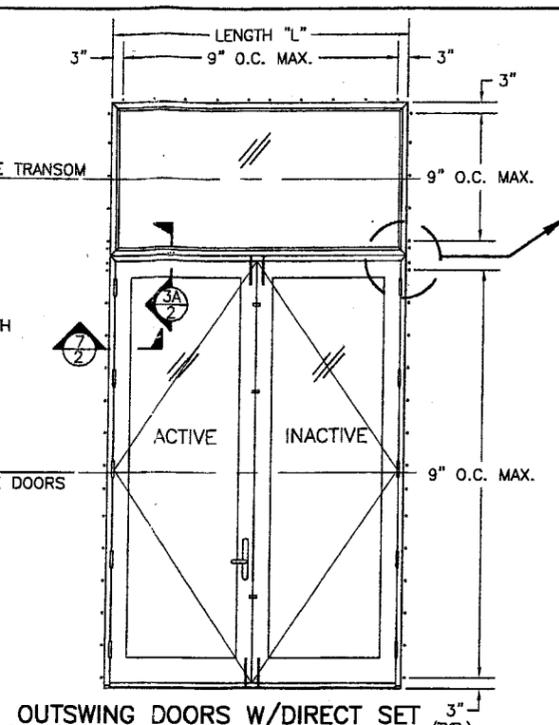
NOA No 05-0829.05

Expiration Date: April 23, 2011

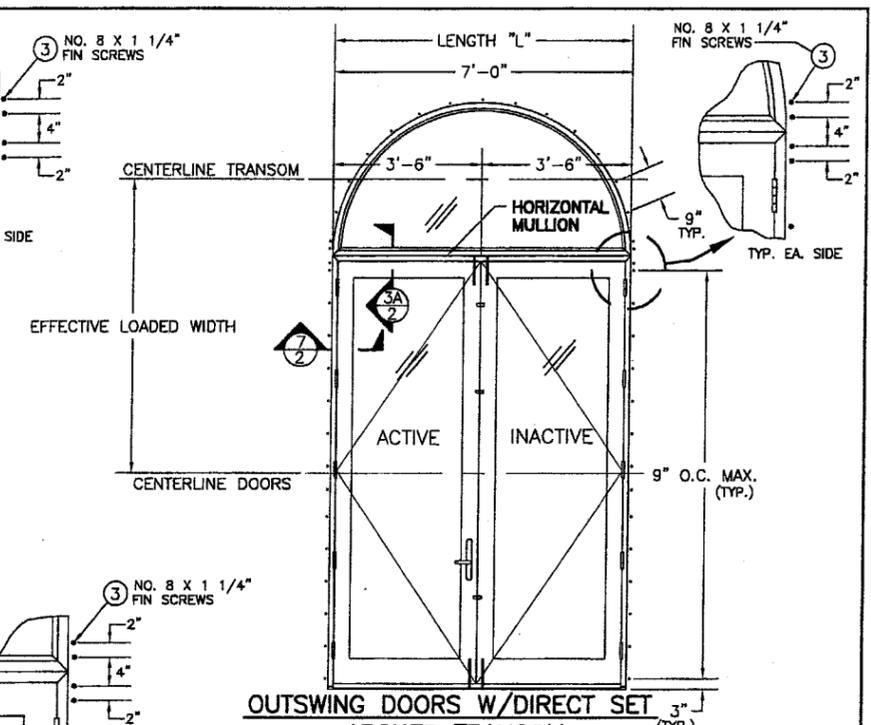
Approval Date: March 30, 2006



OUTSWING DOORS W/DIRECT SET SIDELITE
(SEE GRAPH NO. 1)



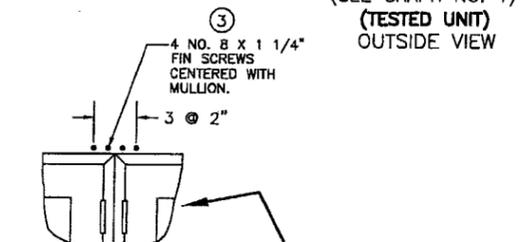
OUTSWING DOORS W/DIRECT SET RECTANGULAR TRANSOM
(SEE GRAPH NO. 4)



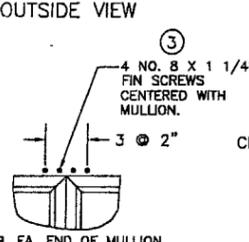
OUTSWING DOORS W/DIRECT SET ARCHED TRANSOM
(SEE GRAPH NO. 4)

FOR ANCHOR EMBED & EDGE DISTANCE REQUIREMENTS, SEE "ANCHOR REQUIREMENTS TABLE" ON SHEET 3

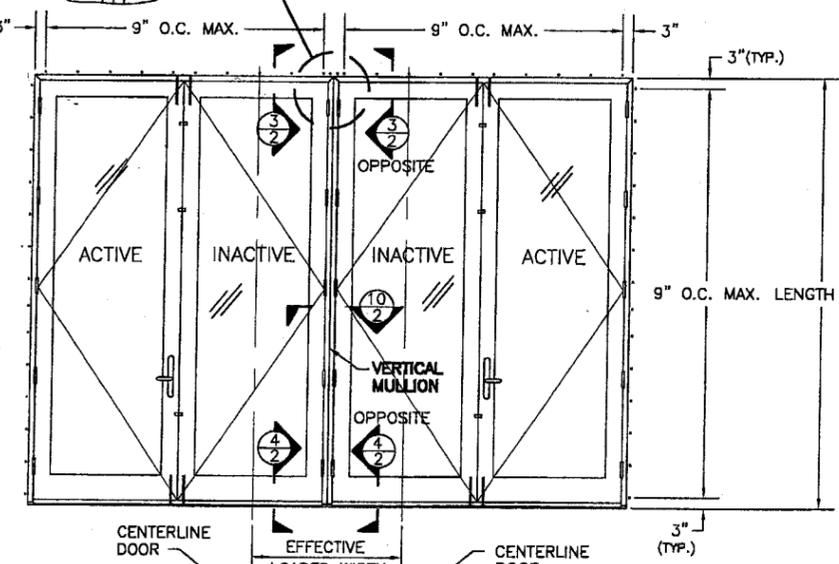
NOTE: FOR ALLOWABLE DESIGN PRESSURE RATING OF DOORS AND DIRECT SETS, SEE THEIR OWN NOTICE OF ACCEPTANCE. FOR ALLOWABLE PRESSURE RATINGS OF MULLIONS, SEE CORRESPONDING GRAPHS ON SHEET 4 OF 4. BOTH SHALL MEET OR EXCEED THE PRESSURE REQUIREMENT OF THE OPENING IN WHICH IT IS BEING INSTALLED.



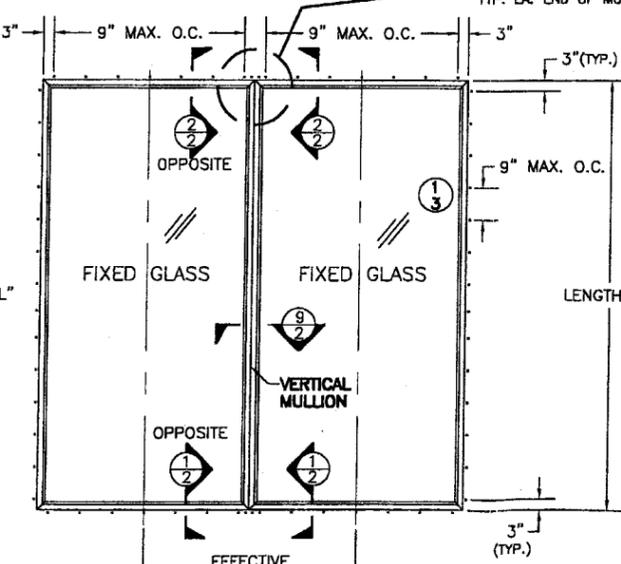
(TESTED UNIT) OUTSIDE VIEW



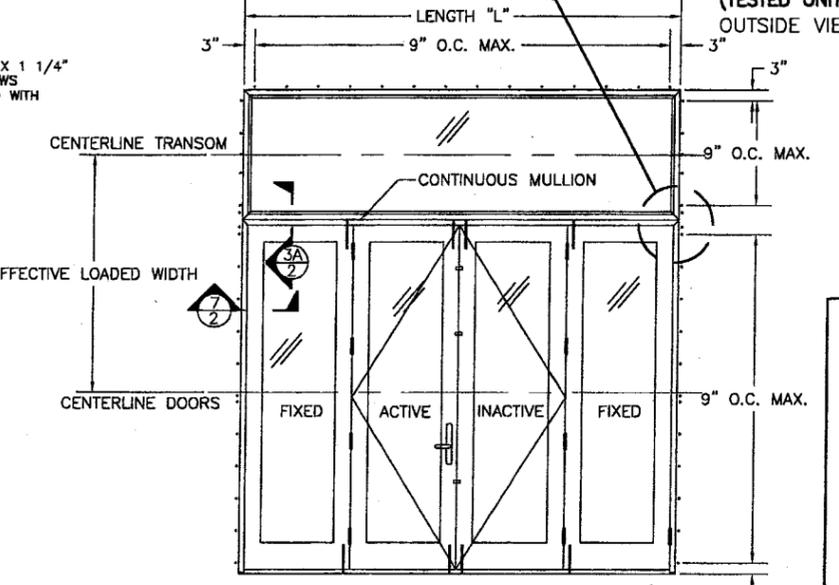
(TESTED UNIT) OUTSIDE VIEW



OUTSWING DOORS EACH SIDE
(SEE GRAPH NO. 2)



SIDELITE EACH SIDE
(SEE GRAPH NO. 3)



TRIPLE OR QUAD OUTSWING DOORS/FIXED PANELS
(SEE GRAPH NO. 5)

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 05-0829, 05
Expiration Date 09/23/11
By *[Signature]*
Miami Dade Product Control Division

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
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

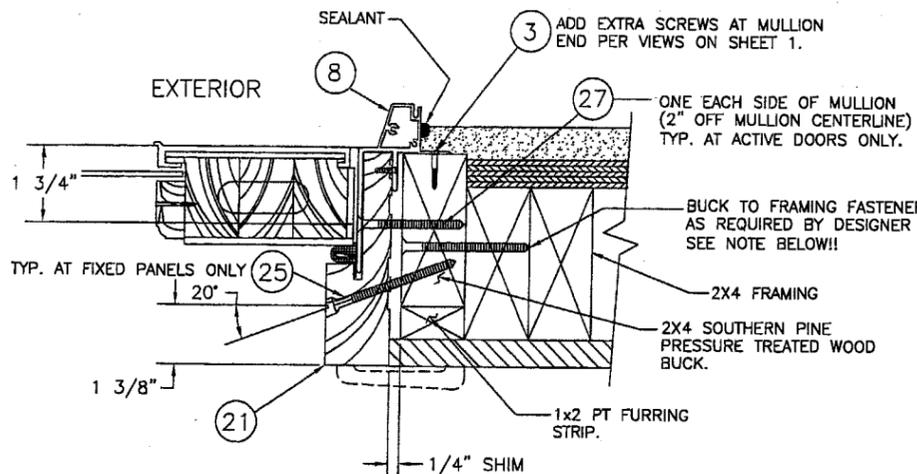
JAN 16 2006

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

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

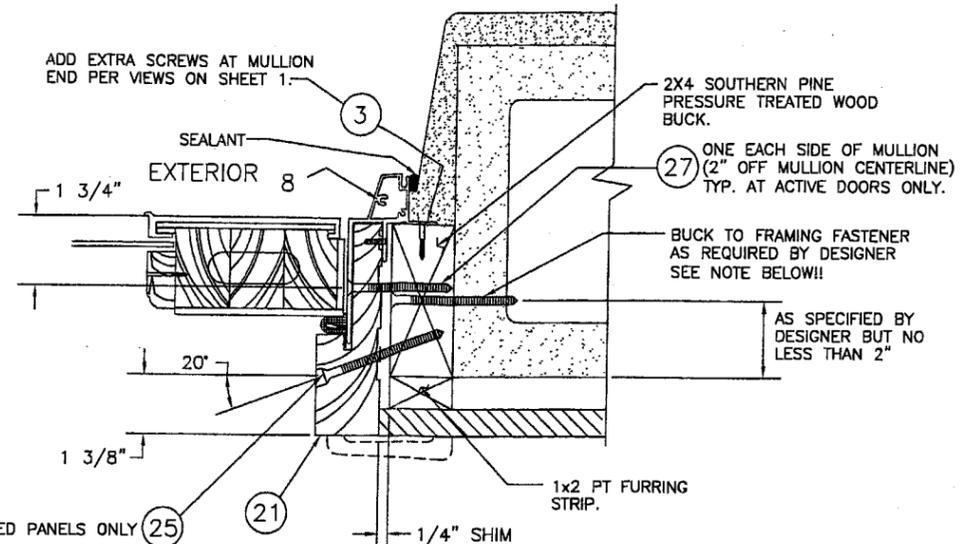
GENERAL NOTES

1. THESE MULLIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES.
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 FBC PROTOCOLS TAS 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.



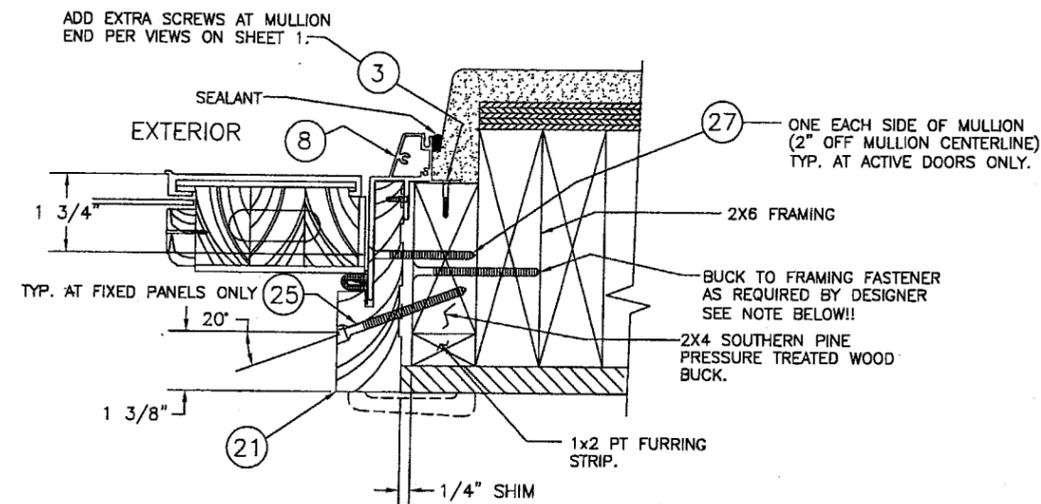
**BUCKING DETAIL
2X4 FRAMED OPENING**

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).

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"

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 05-0829.05
Expiration Date 04/23/10
By: [Signature]
Ultimate Door Product Control Division

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TITLE: UNCLIPPED MULLIONS		DATE: 10/02/97	
REV. NO.	DESCRIPTION	DATE	529C A
A1	UPDATE GENERAL NOTES TO 2004 CODE COMPLIANT	08/09/05	
			SHEET 3 OF 4

JAN 16 2006
WARREN W. SCHAEFER, P.E.
STRUCTURAL ENGINEER; P.E. NO. 44135

