



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

M.Q. Windows, Inc.
1855 Griffin Road, Suite A-271
Dania, FL 33004

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "JS" Unclipped, Steel Reinforced Wood Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MQJS-NOA1**, titled "JS Series Unclipped Mullion Miami Dade County", sheets 01 through 09 of 09, dated 01/10/99, with revision dated 07/14/01, prepared by manufacturer, dated 11/30/07, signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the **M.Q. Windows, Inc.** or the manufacture's logo, **Ste.-Agathe des Monts, Quebec, Canada**, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION 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 **renews NOA No. 12-0222.08** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
2/1/13

NOA No. 13-0129.24
Expiration Date: December 12, 2013
Approval Date: February 07, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 02-1018.02)
2. Drawing No. **MQJS-NOA1**, titled "JS Series Unclipped Mullion Miami Dade County", sheets 01 through 09 of 09, dated 01/10/99, with revision dated 07/14/01, prepared by manufacturer, dated 11/30/07, signed and sealed by Scott Wolters, P. E.
(Submitted under previous NOA No. 12-0222.08)

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) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of mulled JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1103-98**, dated from 11/04/98 to 11/17/98, signed and sealed by Timothy S. Marshall, P. E.
(Submitted under previous NOA No. 02-1018.02)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of mulled JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Reports No.'s **HTL-0118-1106-98**, dated from 10/15/98 to 11/12/98 and **HTL-0118-1218-98**, dated from 01/05/99 to 01/06/99, both signed and sealed by Timothy S. Marshall, P. E.
(Submitted under previous NOA No. 02-1018.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Wolters Engineering, Inc., dated 05/01/12, signed and sealed by Scott Wolters, P. E.
(Submitted under previous NOA No. 12-0222.08)
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-0129.24
Expiration Date: December 12, 2013
Approval Date: February 07, 2013

M.Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Testing agreement letter, dated 10/20/10 between Intertek Testing Services NA, Ltd. (ITS) and M.Q. Windows, Inc., issued by ITS and signed by Jennifer Wren-McDonald.
2. One year approval, subjected to successful verification test.
3. Statement letter of no financial interest, conformance and complying with **FBC-2010**, issued by Wolters Engineering, Inc., dated 02/15/12, signed and sealed by Scott Wolters, P. E.
(Submitted under previous NOA No. 12-0222.08)
4. Laboratory compliance letters for Test Reports No.'s **HTL-0118-1218-98**, **HTL-0118-1106-98** and **HTL-0118-1103-98**, issued by Hurricane Test Laboratory, Inc., dated 01/06/99, 11/12/98 and 11/17/98, all signed and sealed by Timothy S. Marshall, P. E.
(Submitted under previous NOA No. 02-1018.02)

G. OTHERS

1. Notice of Acceptance No. **12-0222.08**, issued to M.Q. Windows, Inc. for their Series "JS Unclipped Steel Reinforced Wood Mullion – L.M.I.", approved on 04/26/12 and expiring on 12/12/12.
2. One year approval, subjected to successful verification test, the final approval will be issued for the balance of a total of 5 years.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 13-0129.24

Expiration Date: December 12, 2013

Approval Date: February 07, 2013



1855 GRIFFIN ROAD,
SUITE A-274
DANIA, FL 33004

**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 07/14/01

File: DJS-M9801
Page: 1 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0222-08
Expiration Date DEC. 12, 2012
By *Manuel Perez*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 071203.14
Expiration Date 12/19/2012
By *Manuel Perez*
Miami Dade Product Control
Division

DESIGN PRESSURE
Positive Pressure: +58 psf
Negative Pressure: -68 psf
NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
NOTE: This unit will not need a hurricane protective system.

**UNCLIPPED MULLION
VERTICAL INSTALLATION
INSIDE/OUTSIDE
CONFIGURATION**

VIEWED FROM THE
OUTSIDE
WOOD: Mahogany

LEGEND:
FW: FRAME SIZE, WIDTH
FH: FRAME SIZE, HEIGHT

BRACKET CONNECTIONS:
Installation Bracket
PDF-JSMI-05D for inswing;
PDF-JSMO-05D for outswing

**CONNECTION TO THE
WINDOW/DOOR FRAME:**

AT HEAD DETAILS NO 1, 14 & 4, 7;
AT SILL, DETAILS NO 20, 15 & 22, 9;
Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".

AT SILL DETAILS NO 21, 13 & 23, 11;
Screwed to the aluminum or bronze threshold using 6x 10-24 x 5/8" sheet metal screws.

**CONNECTION TO THE
STRUCTURE**

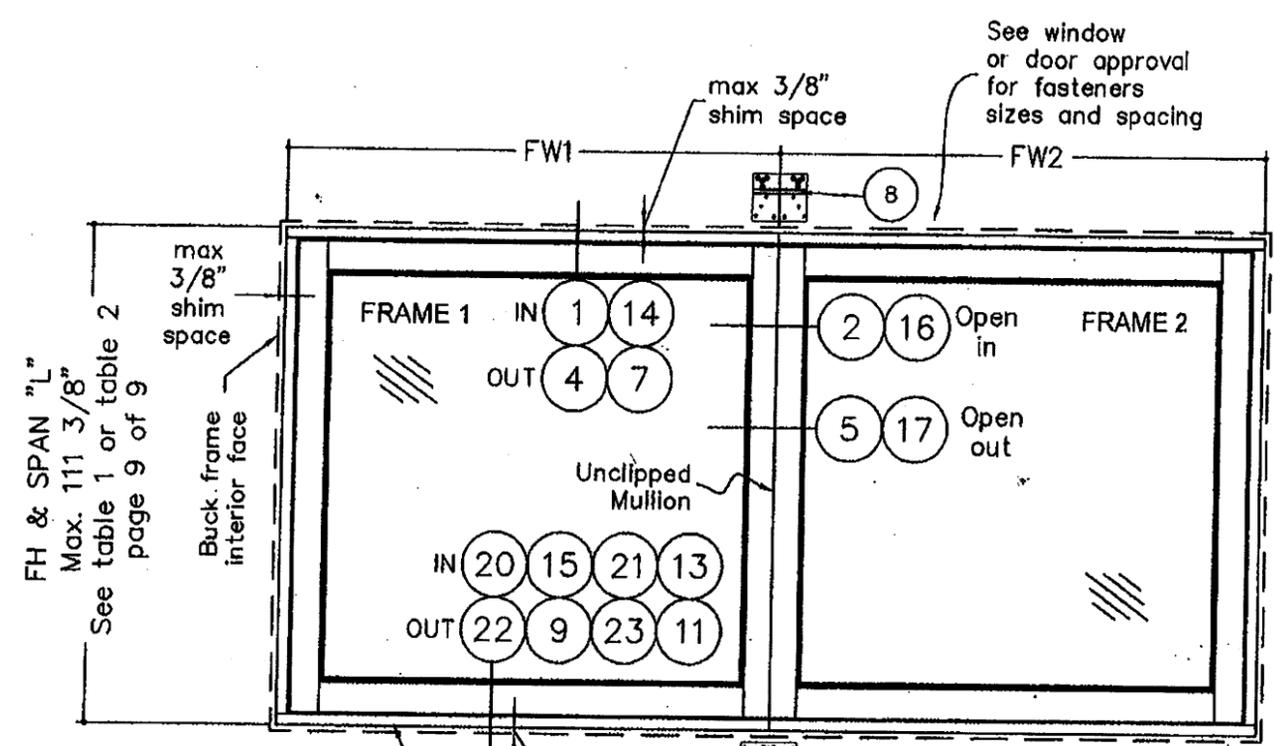
2x PT WOOD BUCK:
Screwed to the BUCK FRAME using 6x #12 x 1 1/2" wood screws. Min. embedment is 1 1/4".

1x PT WOOD BUCK:
Screwed to the MASONRY using 3 x 1/4" ø x 2 1/4" SS410 Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3".

MAXIMUM SHIM SPACE: 3/8"

THESE INSTALLATION PATTERNS APPLIES TO THE MULLION CONNECTIONS TO THE BUILDING ONLY

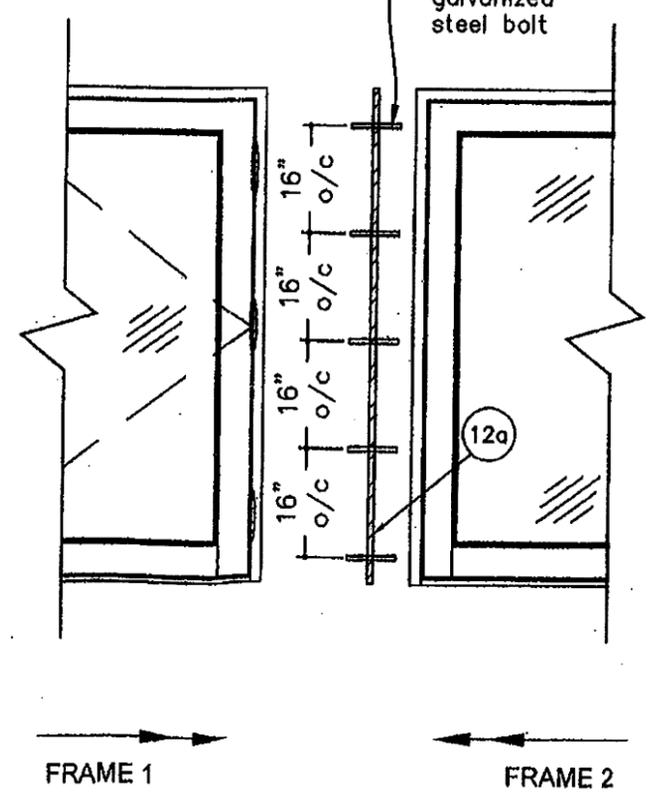
NOTE - THE 33% STRESS INCREASE FOR SHORT TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.



FH & SPAN "L"
Max. 111 3/8"
See table 1 or table 2
page 9 of 9

See window or door approval for fasteners sizes and spacing

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0129.24
Expiration Date 12/12/2013
By *[Signature]*
Miami Dade Product Control



FRAME 1

FRAME 2



1855 GRIFFIN ROAD,
SUITE A-274
DANIA, FL 33004

**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 07/14/01

File: DJS-M9802
Page: 2/9

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0222-08
Expiration Date DEC 12 2012

By *Manuel Perez*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-1203-19
Expiration Date 12/19/2012

By *Manuel Perez*
Miami Dade Product Control
Division

DESIGN PRESSURE

Positive Pressure: +58 psf
Negative Pressure -68 psf

NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

NOTE: This unit will not need a hurricane protective system.

**UNCLIPPED MULLION
HORIZONTAL INSTALLATION
INSIDE/OUTSIDE
CONFIGURATION**

VIEWED FROM THE
OUTSIDE
WOOD: Mahogany

LEGEND:

FW: FRAME SIZE, WIDTH
FH: FRAME SIZE, HEIGHT

BRACKET CONNECTIONS:

Installation Bracket
PDF-JSMI-05D for inswing;
PDF-JSMO-05D for outswing

**CONNECTION TO THE
WINDOW /DOOR FRAME:**

AT JAMBS DETAILS NO 1, 14 & 4, 7;
Screwed to the WOOD FRAME
using 6x #10 x 1" wood screws.
Min. embedment is 7/8"; and 2x
#12 x 1 3/4" FH wood screw.
Min. embedment is 1 1/2".

**CONNECTION TO THE
STRUCTURE**

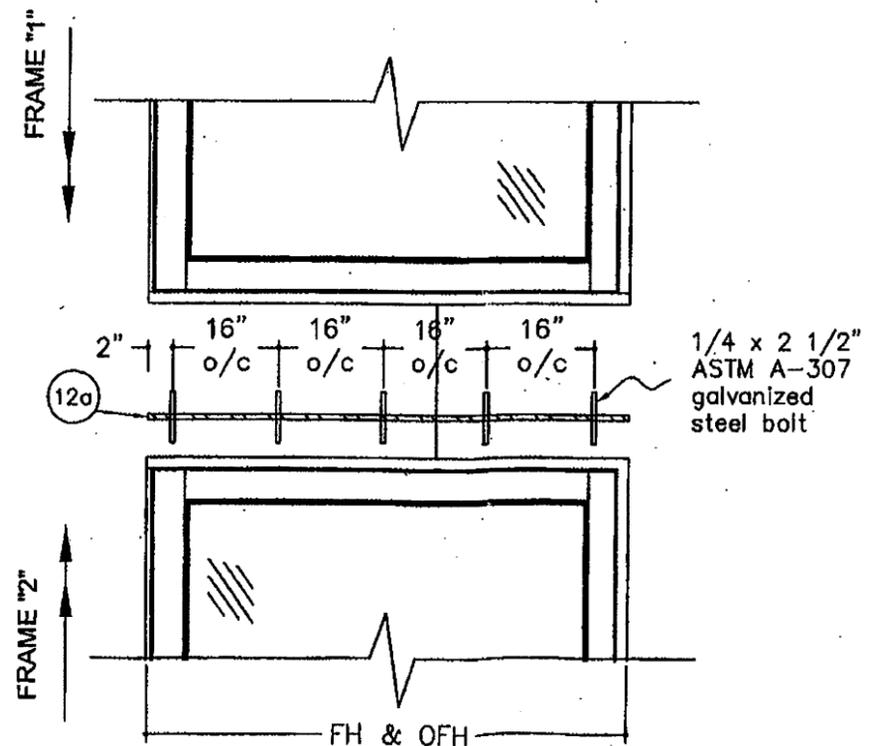
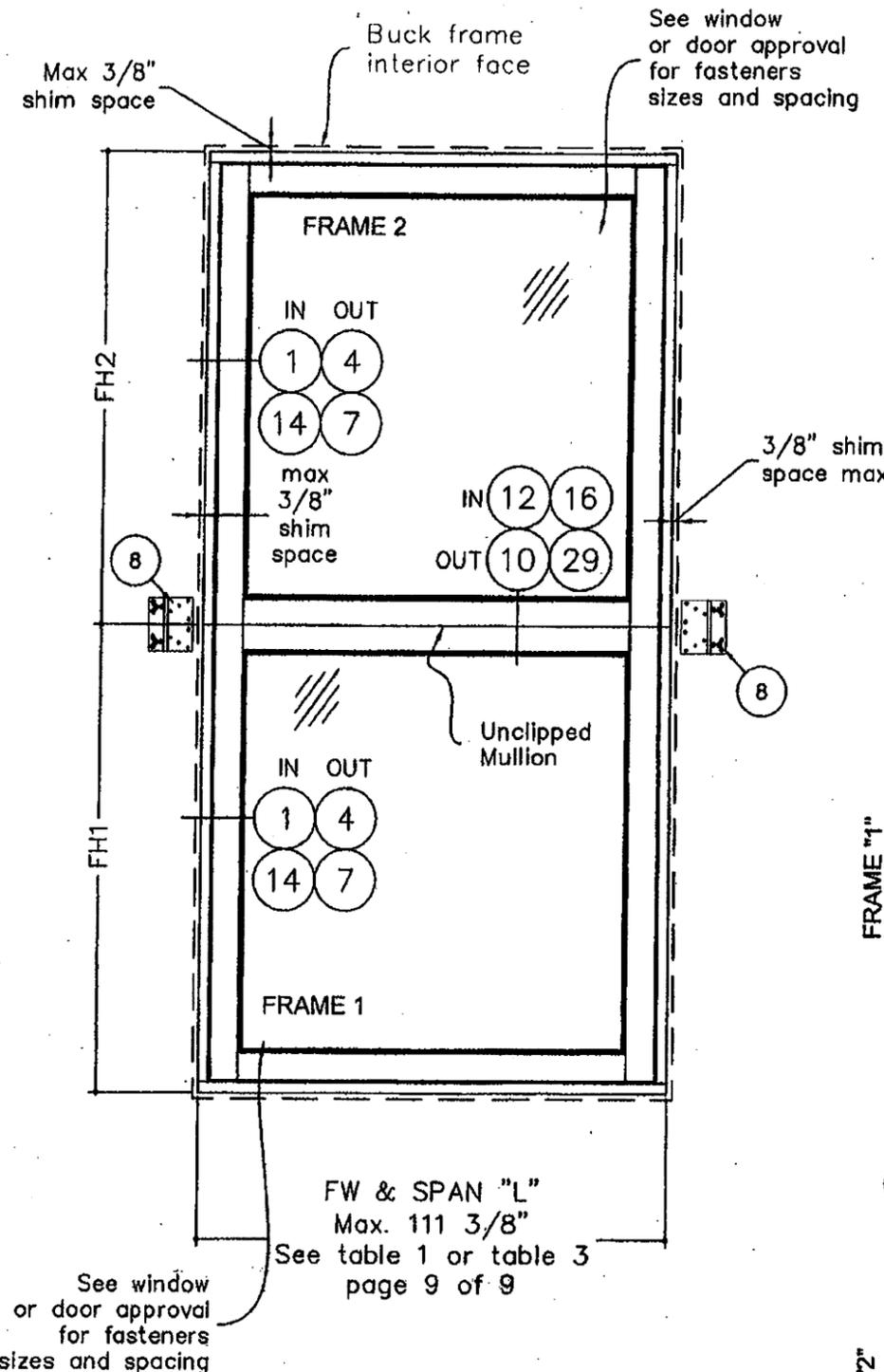
2 x PT WOOD BUCK:
Screwed to the BUCK FRAME
using 6x #12 x 1 1/2" wood
screws. Min. embedment is
1 1/4".

1 x PT WOOD BUCK:
Screwed to the MASONRY
using 3 x 1/4"Ø x 2 1/4"
SS410 Tapcon screws. Min.
embedment is 1 1/4".
Min. edge distance is 3".

MAXIMUM SHIM SPACE: 3/8"

THESE INSTALLATION
PATTERNS APPLIES TO THE
MULLION CONNECTIONS TO
THE BUILDING ONLY

NOTE - THE 33% STRESS
INCREASE FOR SHORT
TERM LOADING HAS
NOT BEEN USED IN THE
DESIGN OF THIS PRODUCT.



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0129-24
Expiration Date 12/12/2013
By *Manuel Perez*
Miami Dade Product Control

**JS SERIE
 UNCLIPPED MULLION
 MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9803	Page: 3 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
 SCOTT WOLTERS
 FL PE# 62354

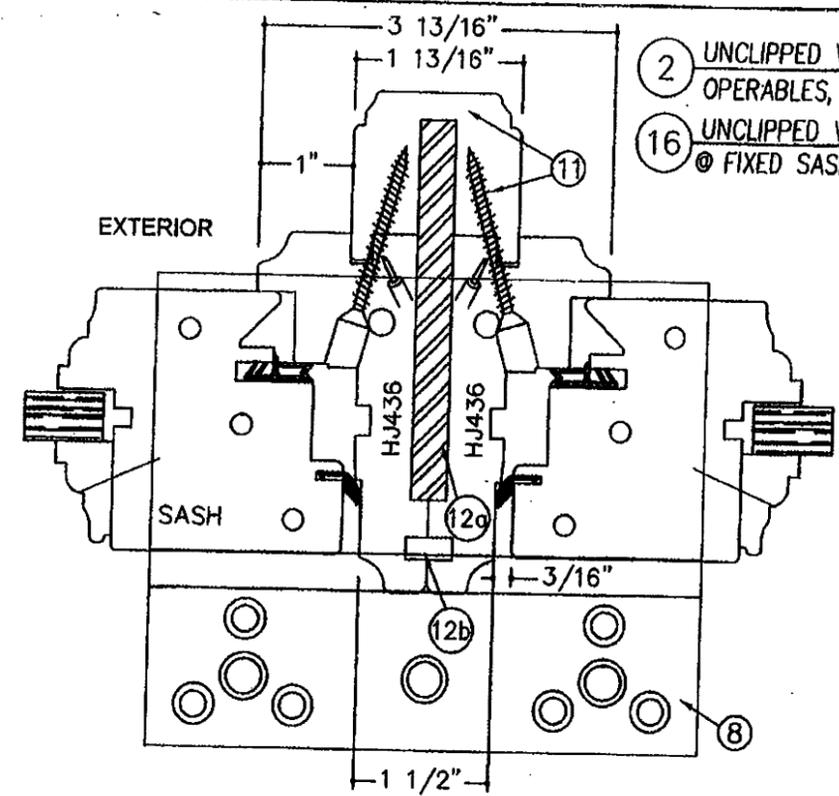
WOLTERS ENGINEERING
 (COA# 27194)
 322 BUCHANAN #609
 HOLLYWOOD, FL 33019
 NOV 30 2007

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0222-08
 Expiration Date DEC. 12, 2012

By *Manuel Perez*
 Miami Dade Product Control

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 07-1203-14
 Expiration Date 12/19/2012

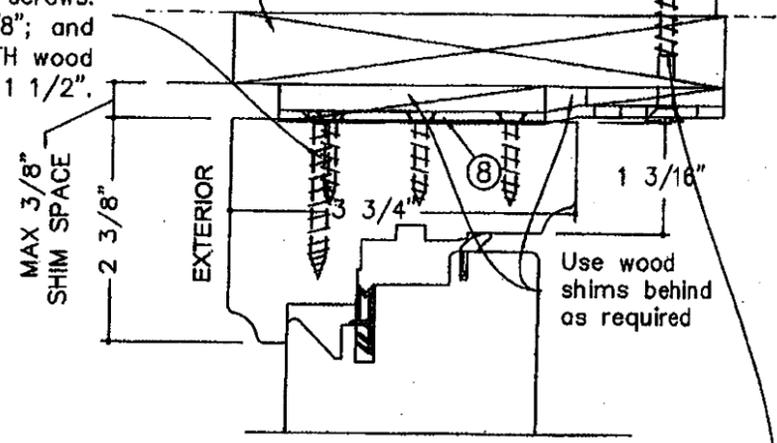
By *Manuel Perez*
 Miami Dade Product Control
 Division



1" x P.T. CONTINUOUS WOOD BUCK

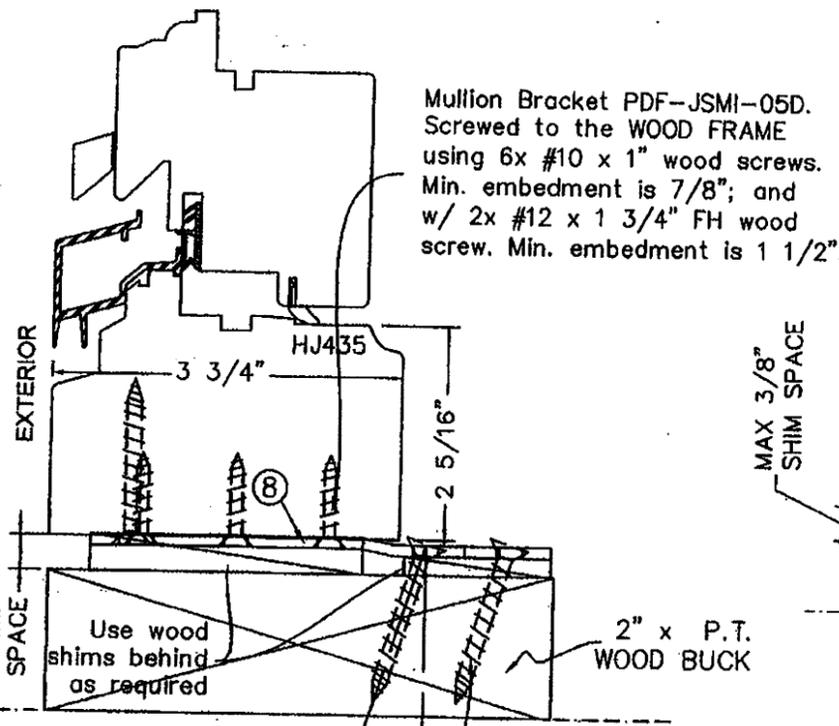
① HEAD, FIXED, OPEN IN (SIM)
 ⑭ HEAD, OPERABLE, OPEN IN
 1x PT WOOD SHIM

Mullion Bracket PDF-JSMI-05D.
 Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and w/ 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".



Mullion Bracket PDF-JSMI-05D.
 Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

**UNCLIPPED VERTICAL MULLION,
 OPEN IN CONFIGURATION**

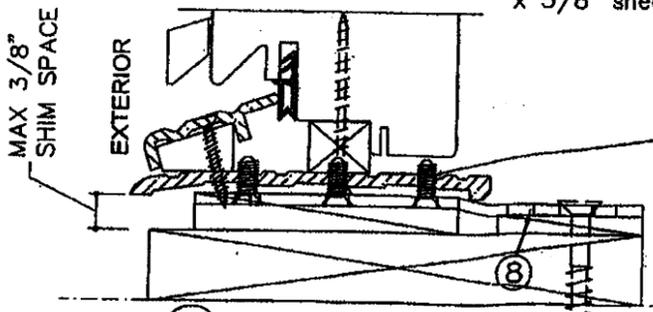


Mullion Bracket PDF-JSMI-05D.
 Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and w/ 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".

Mullion Bracket PDF-JSMI-05D.
 Screwed to the aluminum or bronze threshold using 6x 10-24 x 5/8" sheet metal screws.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 13-0129-24
 Expiration Date 12/12/2013

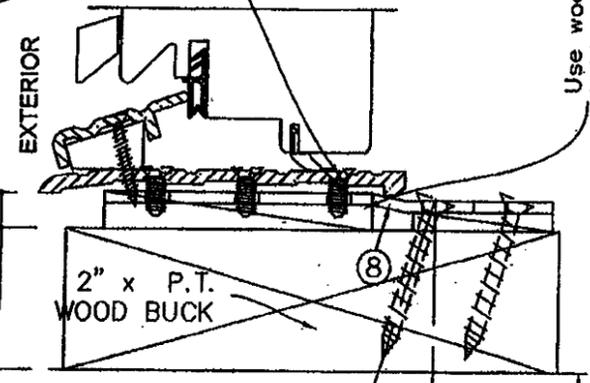
By *Manuel Perez*
 Miami Dade Product Control



②① SILL, FIXE, OPEN IN
 1x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D.
 Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

MAX 3/8" SHIM SPACE



⑬ SILL, OPERABLE, OPEN IN
 2x PT WOOD BUCK

MASONRY LINE

- ②① SILL, FIXE, OPEN IN
- ⑮ SILL, OPERABLE, OPEN IN (SIM)
 2x PT WOOD BUCK

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 7 TO 8



1855 GRIFFIN ROAD,
SUITE A-274
DANIA, FL 33004

**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 07/14/01

File: DJS-M9804
Page: 4 / 9

STRUCTURALLY REVIEWED BY:

Scott Walters
SCOTT WALTERS
FL PE# 62354

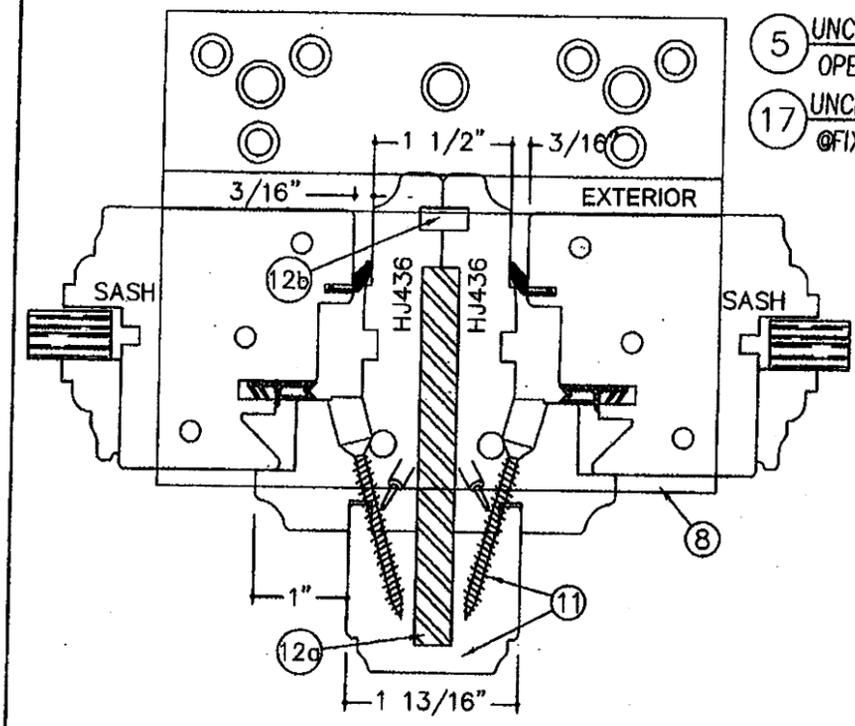
WALTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0222-08
Expiration Date DEC. 12, 2012

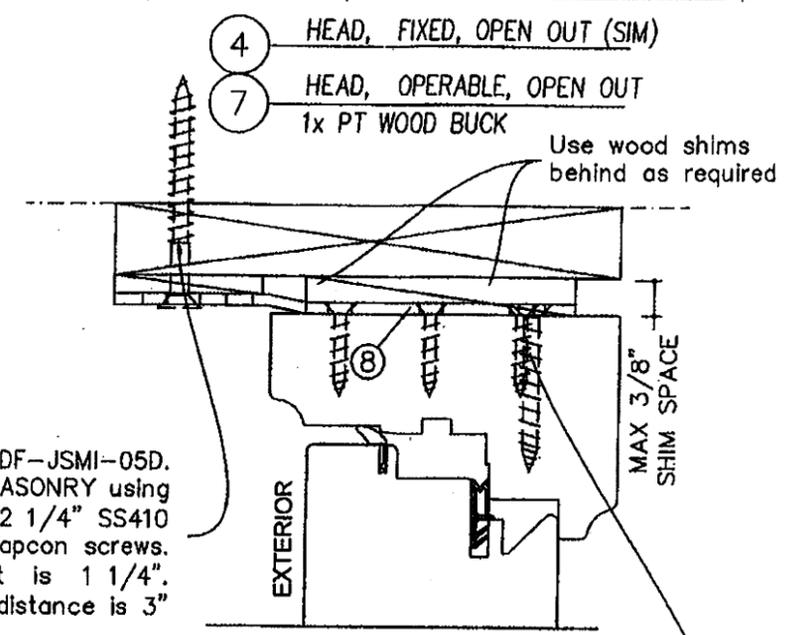
By *Manuel Perez*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-1203-14
Expiration Date 12/19/2012

By *Manuel Perez*
Miami Dade Product Control
Division



- 5 UNCLIPPED VERTICAL MULLION OPERABLES, OPEN OUT
- 17 UNCLIPPED VERTICAL MULLION @FIXED (SIM), OPEN OUT



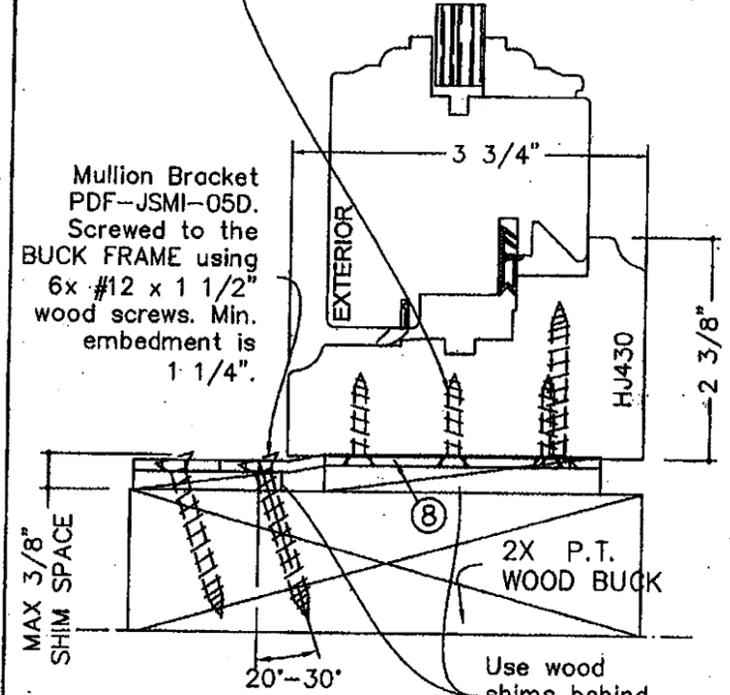
- 4 HEAD, FIXED, OPEN OUT (SIM)
- 7 HEAD, OPERABLE, OPEN OUT 1x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D. Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

Mullion Bracket PDF-JSMI-05D. Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and w/ 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".

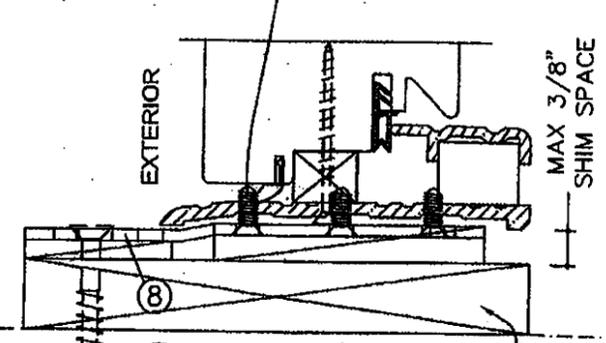
UNCLIPPED VERTICAL MULLION, OPEN OUT CONFIGURATION

Mullion Bracket PDF-JSMI-05D. Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and w/ 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".



- 22 SILL, FIXE, OPEN OUT (SIM)
- 9 SILL, OPERABLE, OPEN OUT 2x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D. Screwed to the aluminum or bronze threshold using 6x 10-24 x 5/8" sheet metal screws.

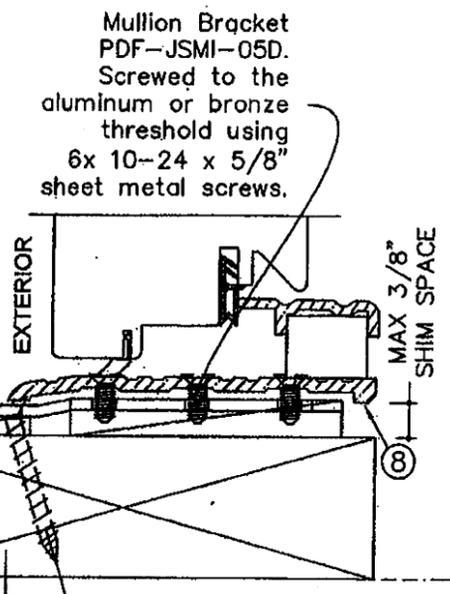


- 23 SILL, FIXE, OPEN OUT 1x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D. Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

1" x P.T. CONTINUOUS WOOD BUCK
PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 13-0129-24
Expiration Date 12/12/2013
By *Manuel Perez*
Miami Dade Product Control

Mullion Bracket PDF-JSMI-05D. Screwed to the BUCK FRAME using 6x #12 x 1 1/2" wood screws. Min. embedment is 1 1/4".



- 11 SILL, OPERABLE, OPEN OUT 2x PT WOOD BUCK

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

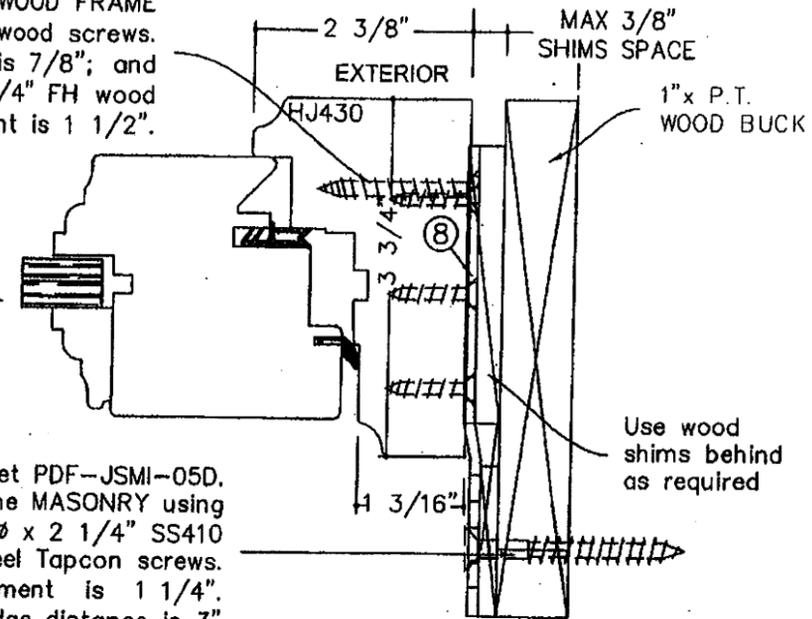
NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 7 TO 8

UNCLIPPED HORIZONTAL MULLION,
OPEN IN CONFIGURATION

Mullion Bracket PDF-JSMI-05D.
Screwed to the WOOD FRAME
using 6x #10 x 1" wood screws.
Min. embedment is 7/8"; and
w/ 2x #12 x 1 3/4" FH wood
screw. Min. embedment is 1 1/2".

① JAMB, FIXED, OPEN IN (SIM)

⑭ JAMB, OPERABLE, OPEN IN
1x PT CONTINUOUS WOOD BUCK



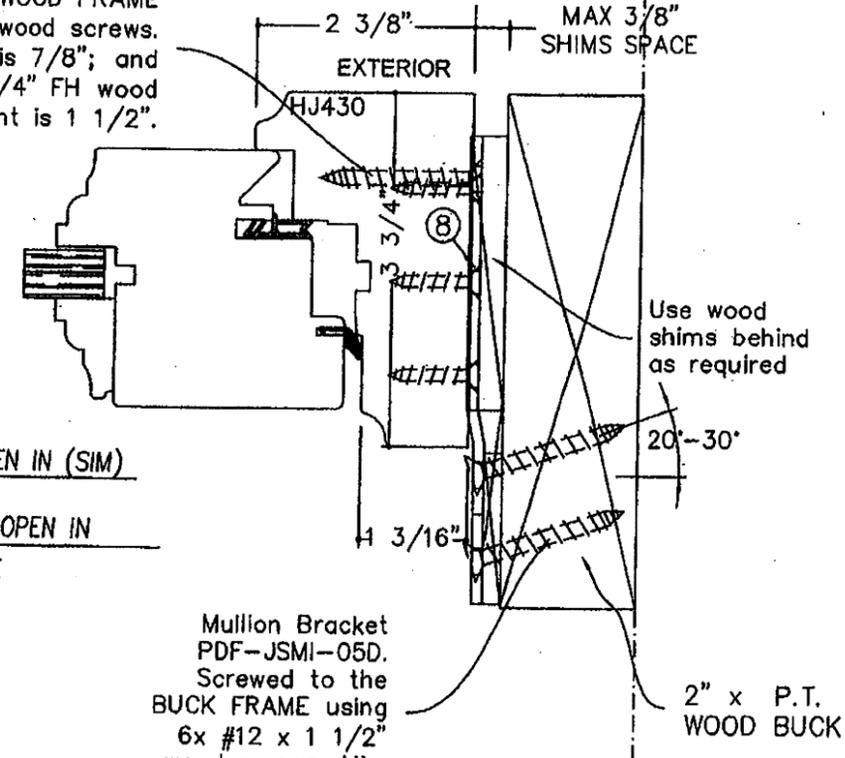
Mullion Bracket PDF-JSMI-05D.
Screwed to the MASONRY using
3 x 1/4" ϕ x 2 1/4" SS410
stainless steel Tapcon screws.
Min. embedment is 1 1/4".
Min. edge distance is 3"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **13-0129.24**
Expiration Date **12/12/2013**
By *Scott Wolters*
Miami Dade Product Control

Mullion Bracket PDF-JSMI-05D.
Screwed to the WOOD FRAME
using 6x #10 x 1" wood screws.
Min. embedment is 7/8"; and
w/ 2x #12 x 1 3/4" FH wood
screw. Min. embedment is 1 1/2".

① JAMB, FIXED, OPEN IN (SIM)

⑭ JAMB, OPERABLE, OPEN IN
2x PT WOOD BUCK



Mullion Bracket
PDF-JSMI-05D.
Screwed to the
BUCK FRAME using
6x #12 x 1 1/2"
wood screws. Min.
embedment is 1 1/4".

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 07/14/01

File: DJS-M9805 Page: 5 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **12-0222.08**
Expiration Date **DEC. 12, 2012**

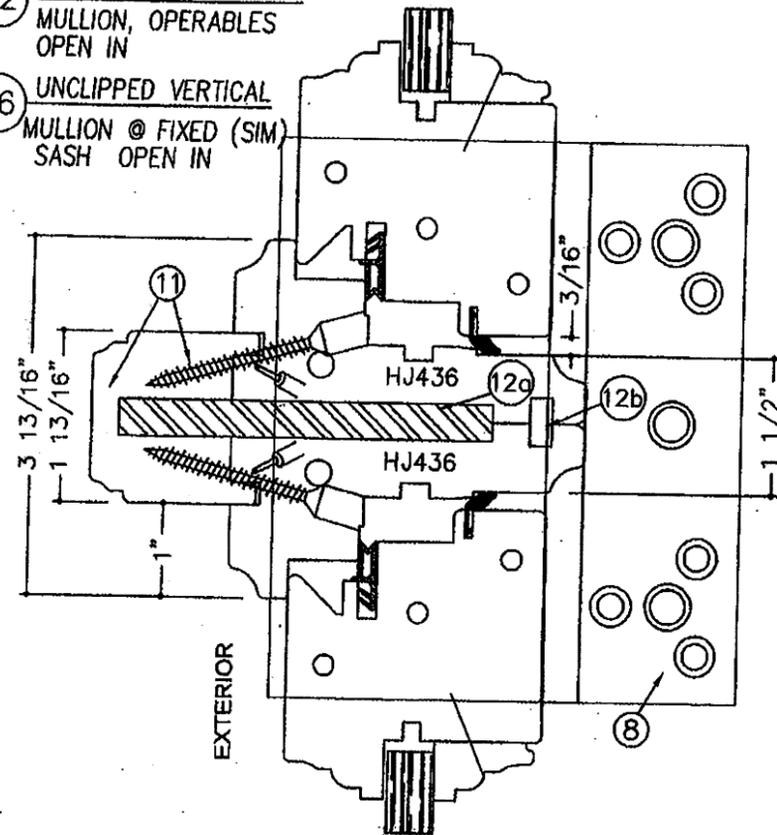
By *Manuel Cruz*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **07-1203.14**
Expiration Date **12/19/2012**

By *Manuel Cruz*
Miami Dade Product Control
Division

⑫ UNCLIPPED HORIZONTAL
MULLION, OPERABLES
OPEN IN

⑯ UNCLIPPED VERTICAL
MULLION @ FIXED (SIM)
SASH OPEN IN

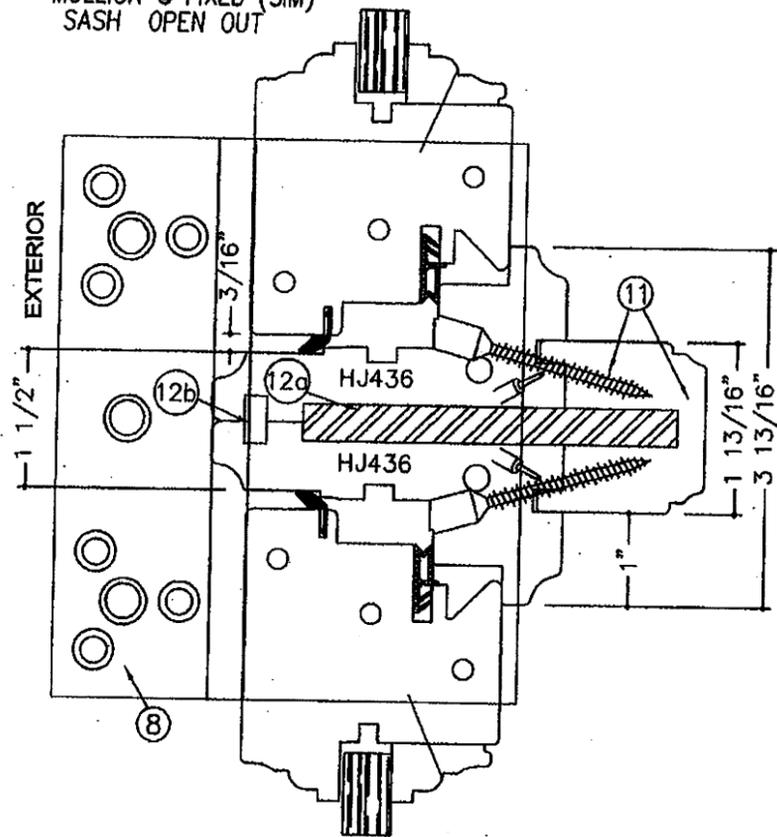


NUMBERS ARE REFERRING TO THE
ASSEMBLY LISTS ON PAGES 7 TO 8

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

UNCLIPPED HORIZONTAL MULLION,
OPEN OUT CONFIGURATION

- 10 UNCLIPPED HORIZONTAL MULLION, OPERABLES OPEN OUT
- 29 UNCLIPPED VERTICAL MULLION @ FIXED (SIM) SASH OPEN OUT



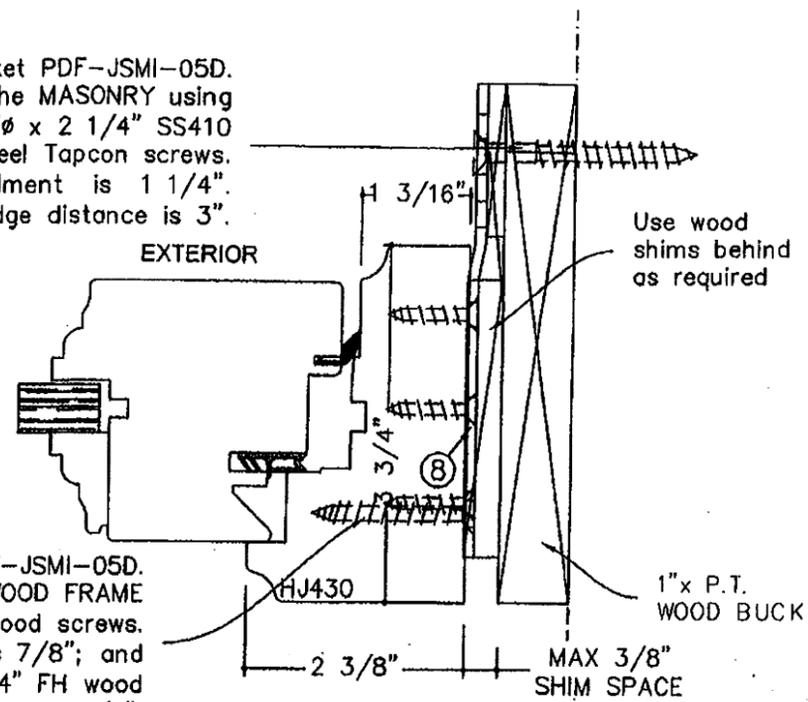
NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 7 TO 8

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

Mullion Bracket PDF-JSMI-05D.
Screwed to the MASONRY using
3 x 1/4"Ø x 2 1/4" SS410
stainless steel Tapcon screws.
Min. embedment is 1 1/4".
Min. edge distance is 3".

- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT
1x PT CONTINUOUS WOOD BUCK

Mullion Bracket PDF-JSMI-05D.
Screwed to the WOOD FRAME
using 6x #10 x 1" wood screws.
Min. embedment is 7/8"; and
w/ 2x #12 x 1 3/4" FH wood
screw. Min. embedment is 1 1/2".

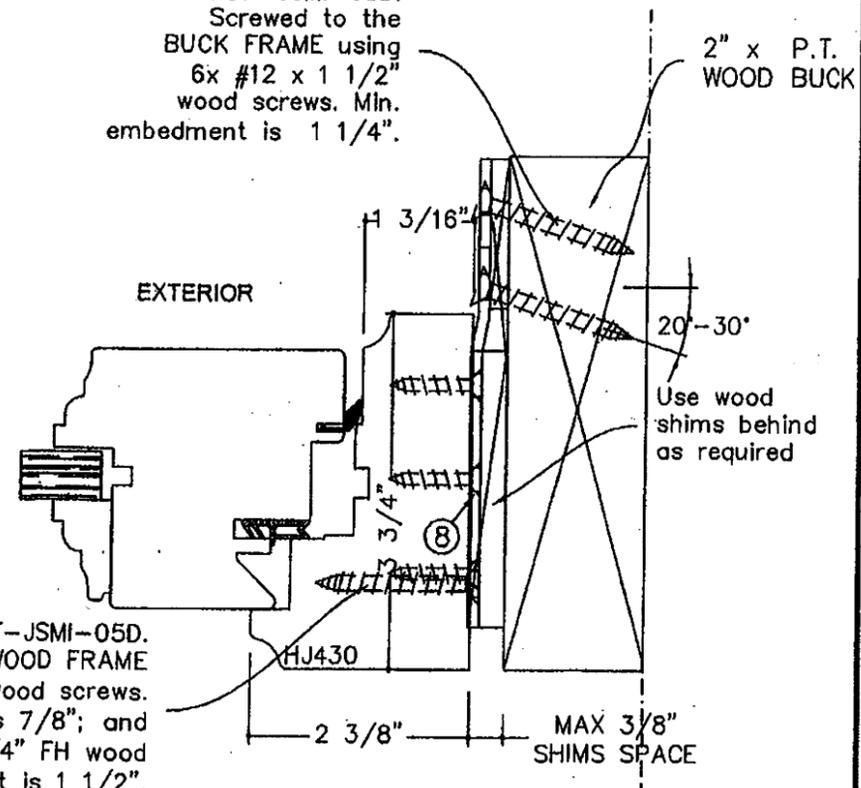


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **13-0129.24**
Expiration Date **12/12/2013**
By *John Davis*
Miami Dade Product Control

Mullion Bracket
PDF-JSMI-05D.
Screwed to the
BUCK FRAME using
6x #12 x 1 1/2"
wood screws. Min.
embedment is 1 1/4".

- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT
2x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D.
Screwed to the WOOD FRAME
using 6x #10 x 1" wood screws.
Min. embedment is 7/8"; and
w/ 2x #12 x 1 3/4" FH wood
screw. Min. embedment is 1 1/2".



1855 GRIFFIN ROAD,
SUITE A-274
DANIA, FL 33004

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 07/14/01

File: DJS-M9806 Page: 6 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

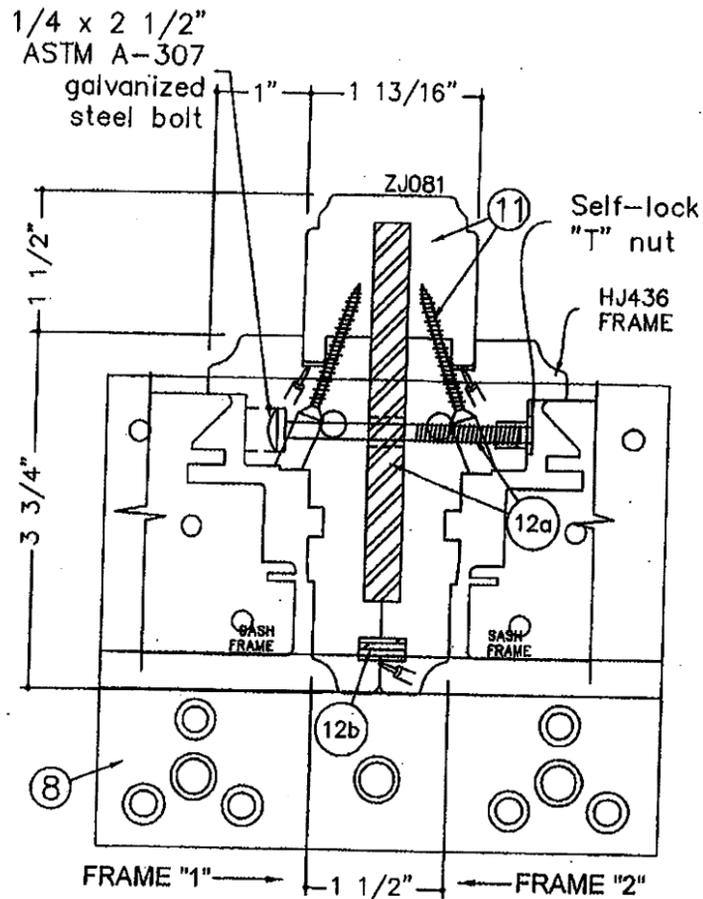
WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **12-0222.08**
Expiration Date **DEC. 12, 2012**

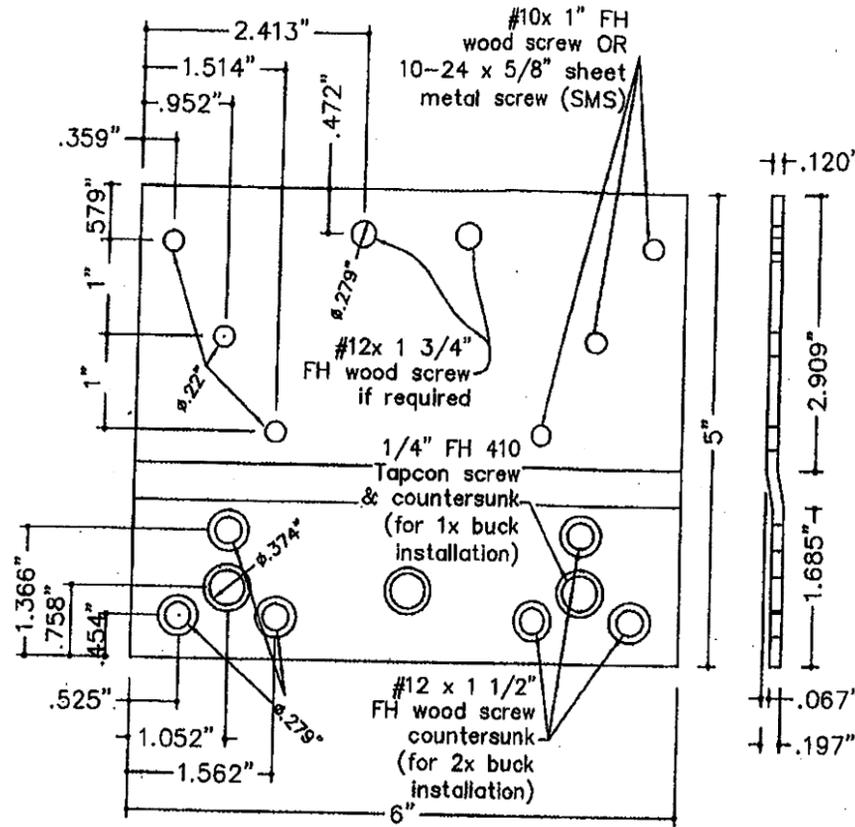
By *Manuel Perez*
Miami Dade Product Control

PRODUCT RENEWED
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Building Code
Acceptance No **07-1203.14**
Expiration Date **12/19/2012**

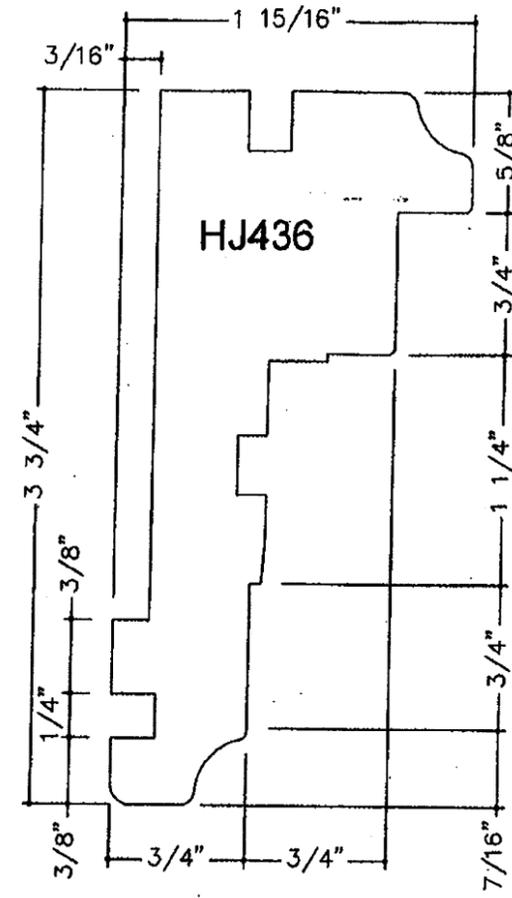
By *Manuel Perez*
Miami Dade Product Control
Division



UNCLIPPED
MULLION ASSEMBLY
(scale 1 = 2)



PDF-JSMI-05D
MULLION BRACKET
(scale 1 = 2)
Note: galvanized steel or stainless steel



(scale 1 = 1)

BILL OF MATERIALS

REF.	QTY	Component	DESCRIPTION	MATERIAL	DIMENSIONS	MEAN OF ATTACHMENT	LOCATION
⑧	One per end	Installation	PDF-JSMI-05D Mullion bracket	Galv. Steel	6" w x 5" h x 0.120" t	See cross sections	Centered at the center line of mullion assembly
⑪	1 per unclipped mullion	Mullion cap	ZJ081 wood mounding, used to hide the steel reinforcement	Mahogany	1 1/2" (d) x 1 13/16" (t)	2 x #8 x 1 3/4" wood flat head screws @ 16" o/c. Embedment is 1".	Along the entire length of the unclipped horizontal or vertical mullion.
12a	1 per unclipped mullion	Reinforcement	A11299, Galvanized Steel AISI C1020, Cold drawn, yield point 47,000 psi	Galv. Steel	1/2" (t) x 4" (d)	1/4" x 2 1/2" ASTM A-307 galvanized steel bolt, @ 2" from one end of the steel and @ 16" o/c balance.	Along the entire length of the unclipped horizontal or vertical mullion. Bolted through a "T" self lock nut.
12b	1 per mullion	Alignment plate	Plywood shim	Wood	1/4" (t) x 15/32" (w)	N/A (tight fit)	Along the entire length of the unclipped horizontal or vertical mullion

☞ Clear "Spectrem 2" silicone sealant at shown interfaces

**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 07/14/01

File: DJS-M9807
Page: 7 / 9

STRUCTURALLY REVIEWED BY:

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FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

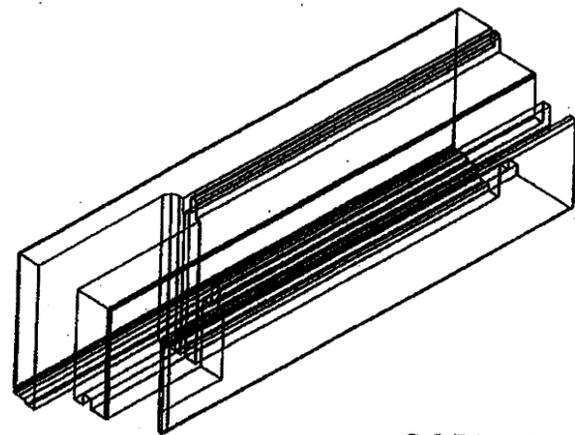
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0129.24
Expiration Date 12/12/2013
By *Jain*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0227.08
Expiration Date DEC 12 2012

By *Marcus Perez*
Miami Dade Product Control

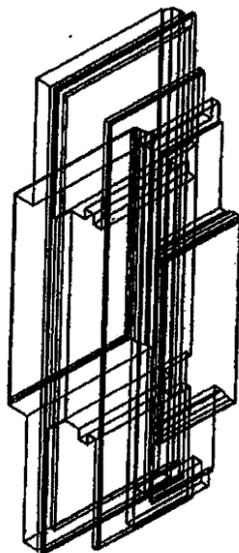
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 07-1203.14
Expiration Date 12/19/2012

By *Marcus Perez*
Miami Dade Product Control
Division



TYPE OF GLUE:
RESIBOIS 222 no 30222-01 TYPE 1
EXTERIOR GLUE FOR WOOD

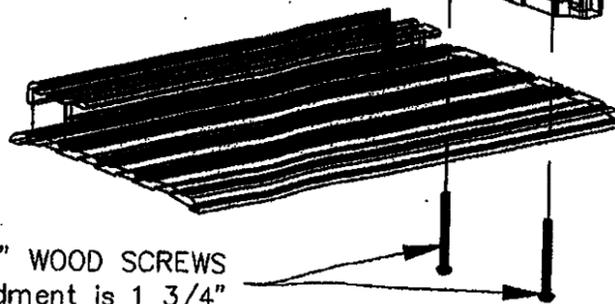
CORNER
ASSEMBLY
(MULTI-FORK)



FRAME JAMB
HJ-436



ALUMINUM FLAT
SILL ASSEMBLY



#12 x 2" WOOD SCREWS
Embedment is 1 3/4"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0222.08
Expiration Date DEC 12, 2012
By Manuel Perez
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-0129.24
Expiration Date 12/12/2013
By Manuel Perez
Miami Dade Product Control



1855 GRIFFIN ROAD, SUITE A-274
DANIA, FL 33004

JS SERIE
IN SWING & OUT SWING
CONFIGURATIONS
UNCLIPPED MULLION

METRO DADE COUNTY
PROPOSAL # 98-0073
PA201, PA202 & PA203

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised:

File: DJS-M9808 Page: 8/9

ENGINEER:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

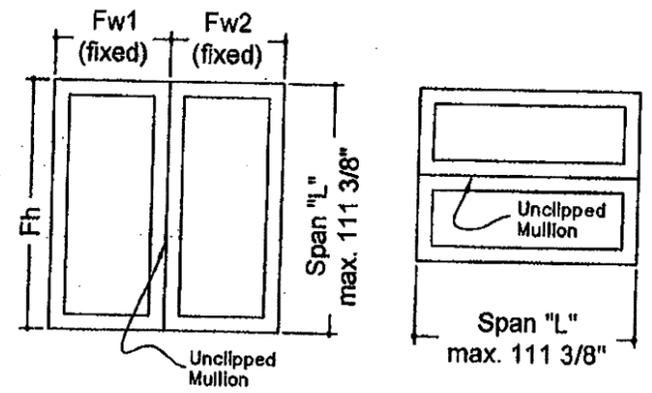
WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

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By Manuel Perez
Miami Dade Product Control
Division

**MAXIMUM FRAME WIDTH & HEIGHT TABLES
FOR A GIVEN MULLION SPAN (HORIZONTAL OR VERTICAL)**

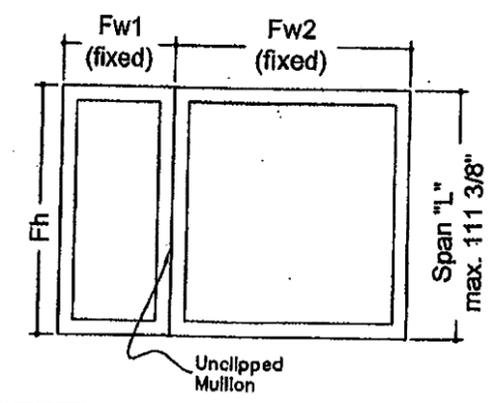
**TABLE 1
VERTICAL OR HORIZONTAL
UNCLIPPED MULLION,
FIXED-FIXED COMBINATION**

Span "L" (In)	Max. Fixed width (1) Fw1 (In)	Max. Fixed width (2) Fw2 (In)
111 3/8	45 3/16	45 3/16
108 3/16	46	46
102 7/16	47	47
97 13/16	48	48
93 15/16	49	49
90 11/16	50	50
88	51	51
85 11/16	52	52
83 11/16	53	53
82	54	54
80 9/16	55	55
79 1/4	56	56
75 11/16	60	60
73 5/7	64	64
72 3/4	68	68
72 1/2	70	70
72 7/16	72	72



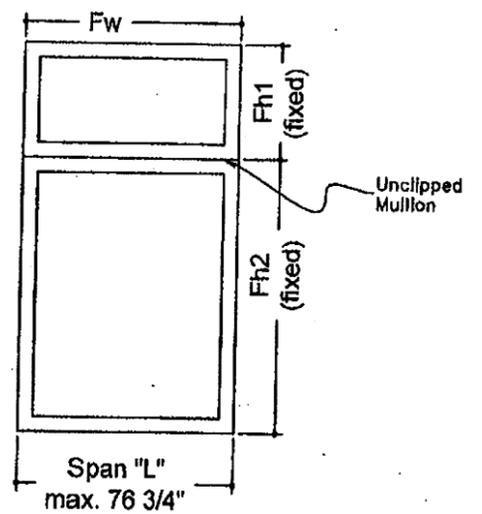
**TABLE 2
VERTICAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION**

Vertical Span "L" (In)	Max. Fixed width Fw1 (In)	Max. Operable width Fw2 (In)
0- 111 3/8	42	76 3/4
0- 108 1/8	46	76 3/4
0- 102 1/2	47	76 3/4
0- 97 3/4	48	76 3/4
0- 93 7/8	49	76 3/4
0- 90 3/4	50	76 3/4
0- 88	51	76 3/4
0- 85 5/8	52	76 3/4
0- 83 3/4	53	76 3/4
0- 82	54	76 3/4
0- 80 1/2	55	76 3/4
0- 79 1/4	56	76 3/4
0- 75 3/4	60	76 3/4
0- 73 3/4	64	76 3/4
0- 72 3/4	68	76 3/4
0- 72 1/2	70	76 3/4
0- 72 1/2	72	76 3/4



**TABLE 3
HORIZONTAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION**

Horizontal Span "L" (In)	Max. Fixed height Fh1 (In)	Max. Operable height Fh2 (In)
76 3/4	58	111 3/8
75 11/16	60	111 3/8
73 3/4	64	111 3/8
72 3/4	68	111 3/8
72 1/2	70	111 3/8
72 7/16	72	111 3/8



DESIGN PRESSURE
Positive Pressure: +58 psf
Negative Pressure: -68 psf

NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

NOTE: This unit will not need a hurricane protective system.

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. **13-0129.24**
Expiration Date **12/12/2013**
By *[Signature]*
Miami Dade Product Control

LEGEND:
Fw: FRAME SIZE, WIDTH
Fh: FRAME SIZE, HEIGHT



**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1
Scale: NONE
Date drawn: 01/10/99
Date revised: 07/14/01
File: DJS-M9809
Page: 9 / 9

STRUCTURALLY REVIEWED BY:
[Signature]
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FL PE# 62354
WOLTERS ENGINEERING
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322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. **12-0222.08**
Expiration Date **DEC. 12, 2012**
By *[Signature]*
Miami Dade Product Control

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. **07-1203.14**
Expiration Date **12/19/2012**
By *[Signature]*
Miami Dade Product Control Division