



MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING
 140 WEST FLAGLER STREET, SUITE 1603
 MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 372-6339
www.miamidade.gov/buildingcode

**BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION
 NOTICE OF ACCEPTANCE (NOA)**

**M. Q. Windows, Inc.
 1855 Griffin Road, Suite A-274
 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 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 JS Unclipped Steel Reinforced Wood Mullion - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MQJS-NOA1**, titled "Series JS Series Unclipped Mullion", sheets 1 through 9 of 9, dated 01/10/1999 with latest revision dated 11/30/2007, prepared by M. Q. Windows, Inc. and Wolters Engineering, signed and sealed by, Scott Wolters, 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 Missile and Small Missile Impact Resistant

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.

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 # 02-1018.02** 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
 1/3/08

NOA No. 07-1203.14
 Expiration Date: December 19, 2012
 Approval Date: January 03, 2008
 Page 1

M. Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **MQJS-NOA1**, titled "Series JS Series Unclipped Mullion", sheets 1 through 9 of 9, dated 01/10/1999 with latest revision dated 11/30/2007, prepared by M. Q. Windows, Inc. and Wolters Engineering, signed and sealed by, Scott Wolters, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Large Missile Impact Test per PA 201-94
 - 5) Cyclic Wind Pressure Loading per PA 203-94
 - 6) Forced Entry Test, per PA 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 11/04/1998 to 11/17/1998, signed and sealed by Timothy S. Marshall, P.E.

(Submitted under NOA# 02-1018.02)

2. Test reports on:
 - 1) Large Missile Impact Test per PA 201-94
 - 2) Cyclic Wind Pressure Loading per PA 203-94along 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-0118-1106-98**, dated from 10/15/1998 to 11/12/1998, signed and sealed by Timothy S. Marshall, P.E.

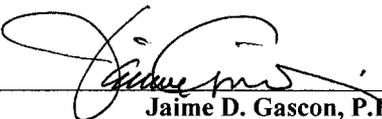
(Submitted under NOA# 02-1018.02)

3. Test reports on:
 - 1) Large Missile Impact Test per PA 201-94
 - 2) Cyclic Wind Pressure Loading per PA 203-94along 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-0118-1218-98**, dated from 01/05/1999 to 01/06/1999, signed and sealed by Timothy S. Marshall, P.E.

(Submitted under NOA# 02-1018.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Wolters Engineering, dated 11/30/2007, signed and sealed by, Scott Wolters, P.E.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-1203.14

Expiration Date: December 19, 2012
Approval Date: January 03, 2008

M. Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of conformance, no financial interest and compliance, prepared by Wolters Engineering, dated 11/30/2007, signed and sealed by, Scott Wolters, P.E.
2. Statement letter of conformance, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1218-98**, dated 01/06/1999, signed and sealed by Timothy S. Marshall, P.E.

G. OTHER

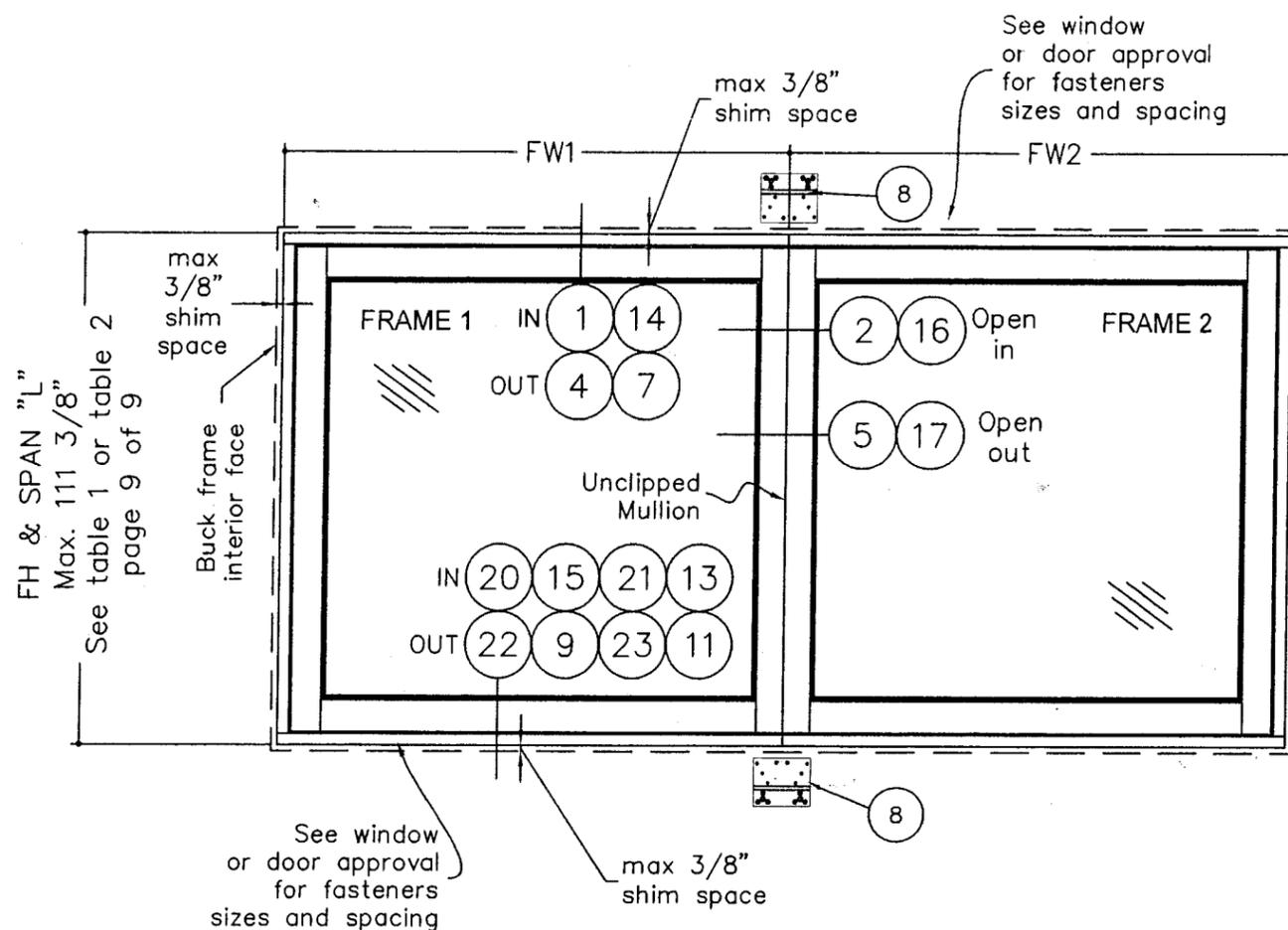
1. Notice of Acceptance No. **02-1018.02**, issued to M. Q. Windows, Inc. for their Series "Series JS Series Unclipped Mullion", approved on 12/19/2002 and expiring on 12/19/2007.



Jaime D. Gascon, P.E.

Chief, Product Control Division
NOA No. 07-1203.14

Expiration Date: December 19, 2012
Approval Date: January 03, 2008



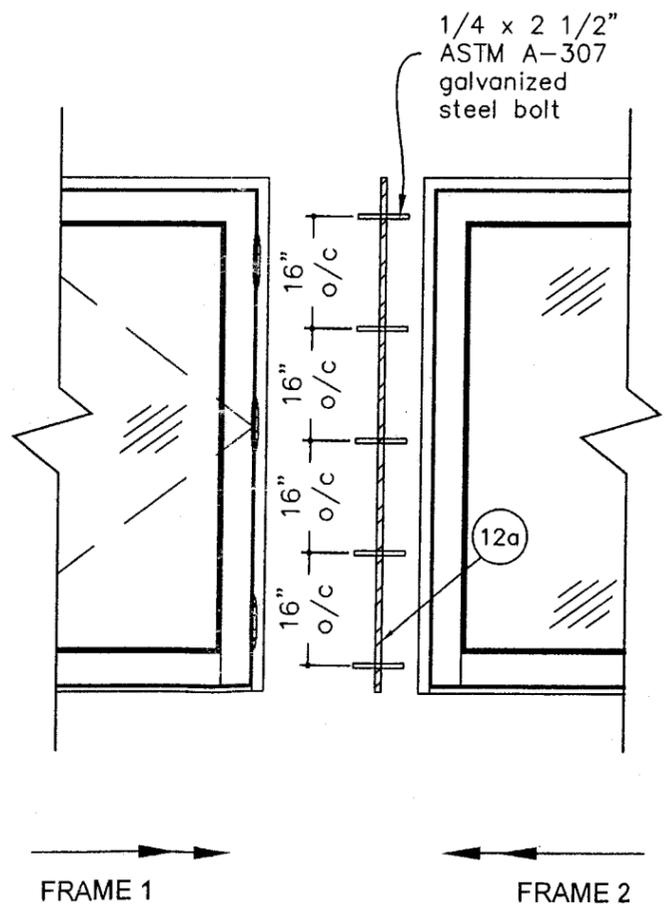
FH & SPAN "L"
Max. 111 3/8"
See table 1 or table 2
page 9 of 9

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
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.

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

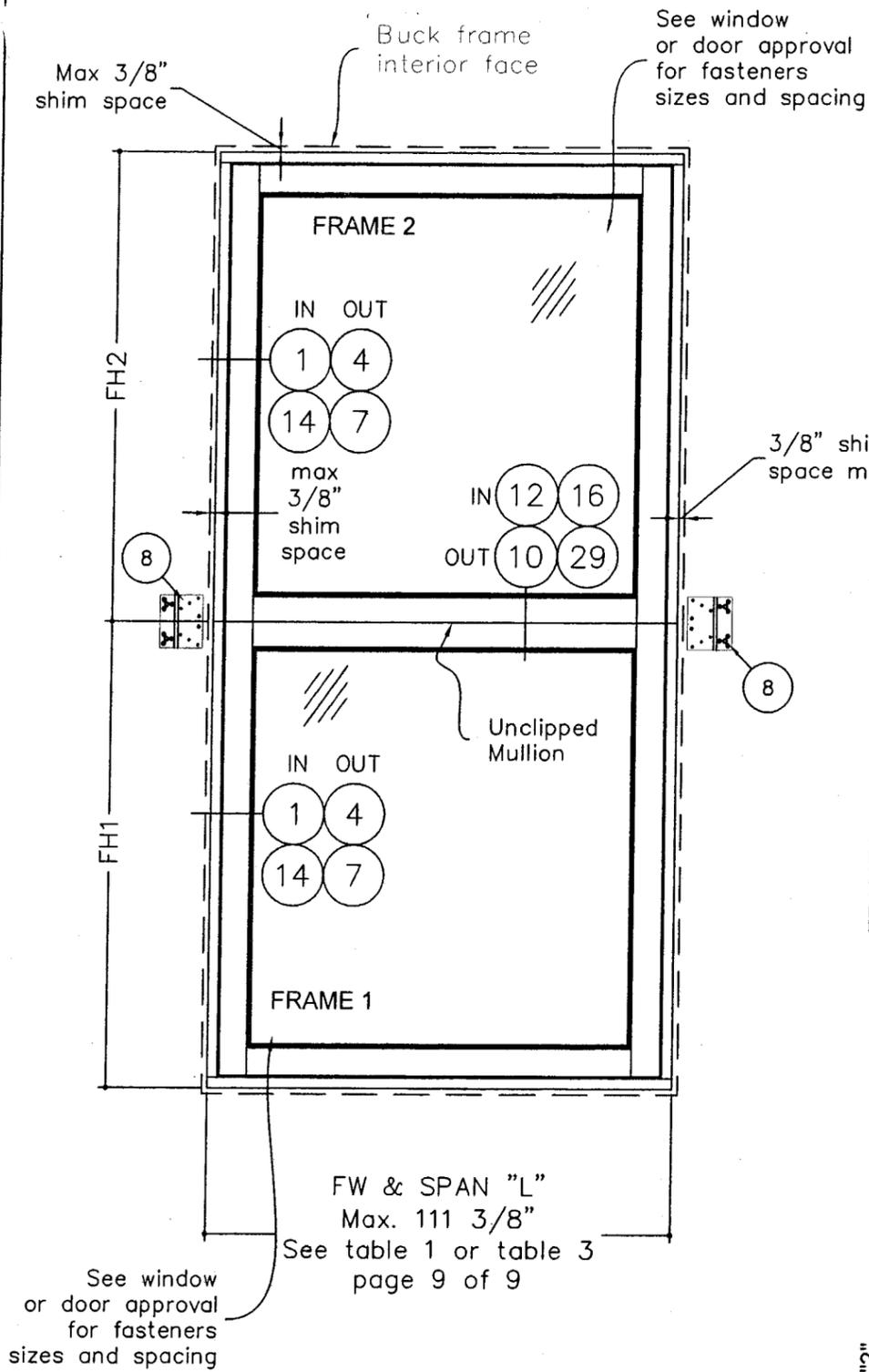
Date drawn: 01/10/99
Date revised: 07/14/01

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



DESIGN PRESSURE

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

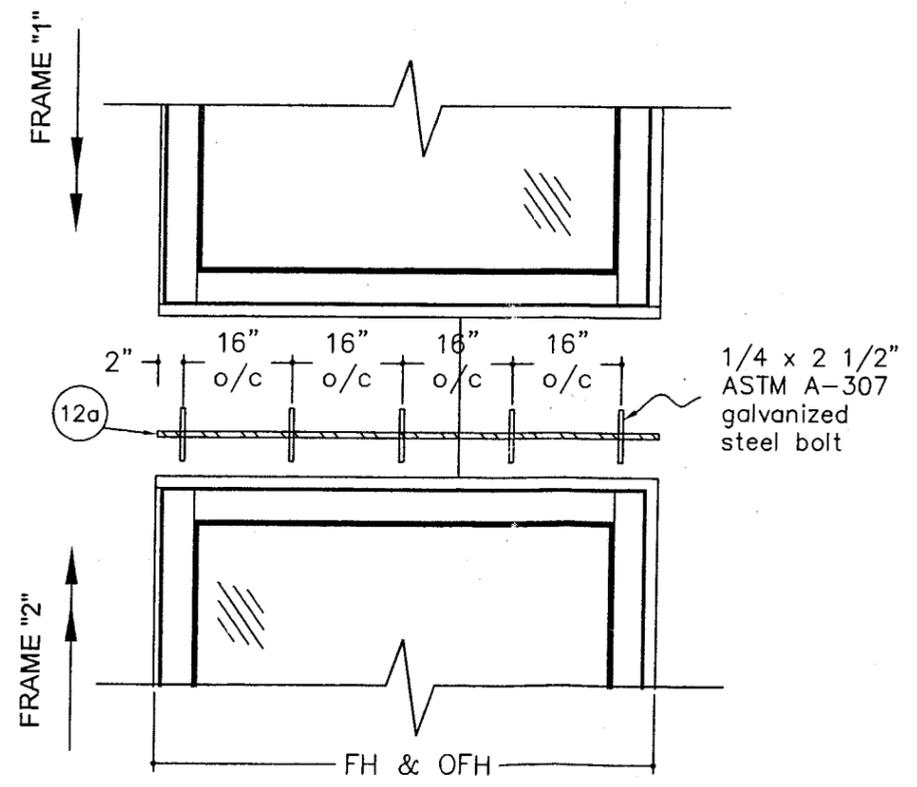
NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

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.



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

By *Manuel Pina*
Miami Dade Product Control
Division

**JS SERIE
 UNCLIPPED MULLION
 MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

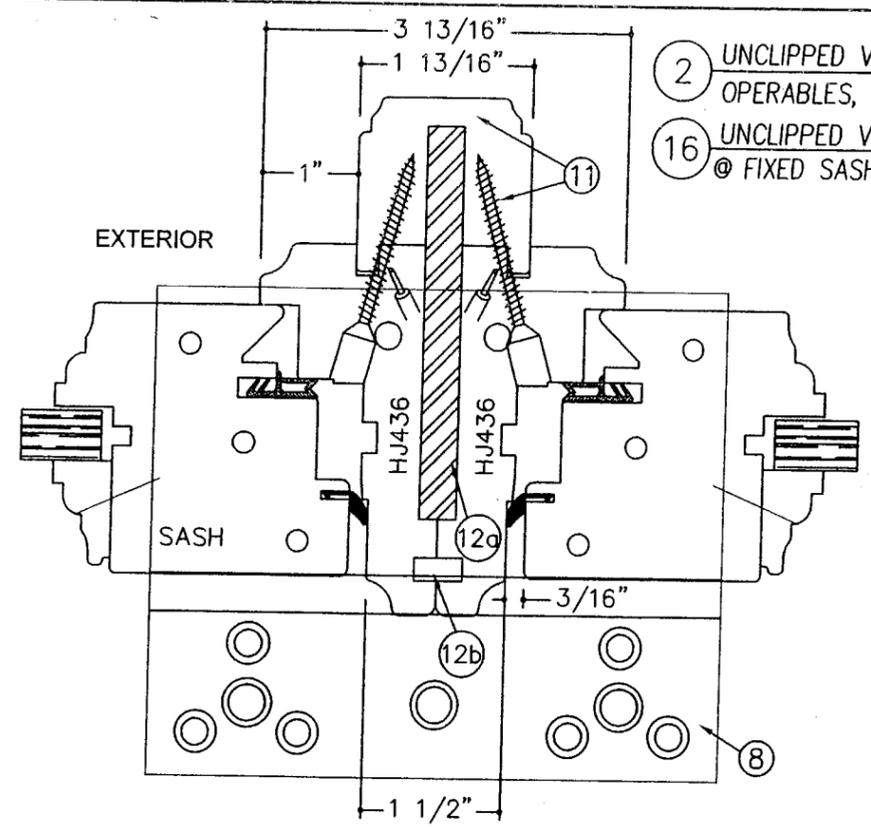
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9803	Page: 3 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
 SCOTT WOLTERS
 FL PE# 62354

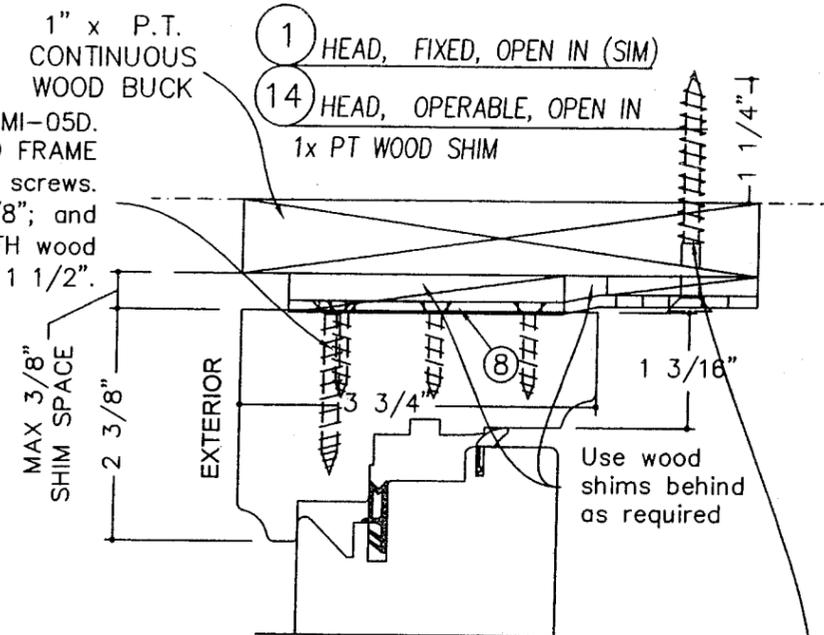
WOLTERS ENGINEERING
 (COA# 27194)
 322 BUCHANAN #609
 HOLLYWOOD, FL 33019
 NOV 30 2007

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-1203.14
 Expiration Date 12/19/2012
 By *Marcus Perry* Sr.
 Miami Dade Product Control
 Division



- ② UNCLIPPED VERTICAL MULLION OPERABLES, OPEN IN
- ①⑥ UNCLIPPED VERTICAL MULLION @ FIXED SASH OPEN IN (SIM)

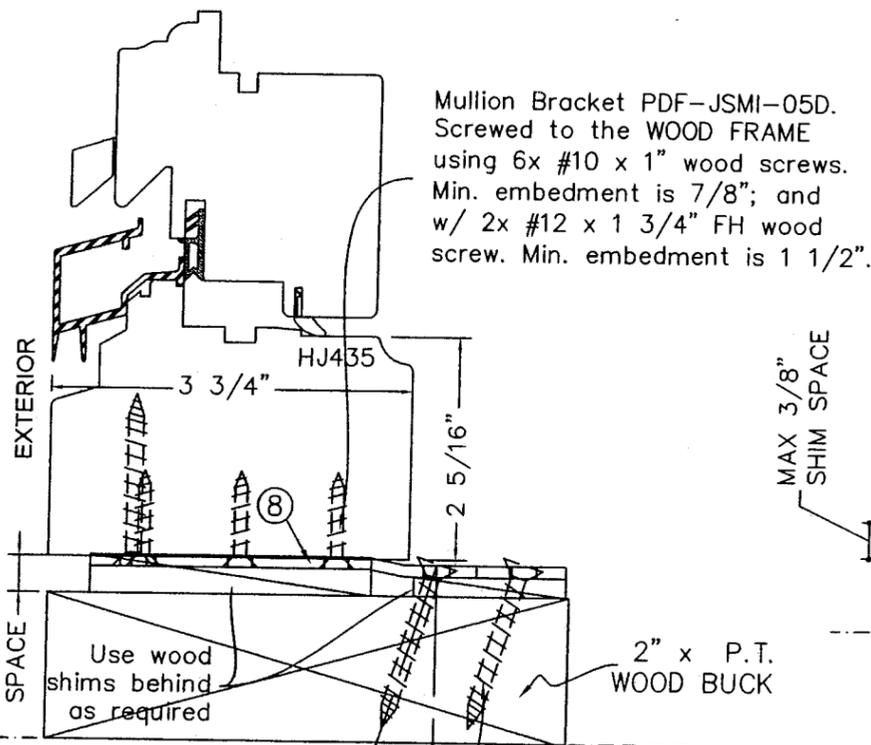
Mullion Bracket PDF-JSMI-05D. Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and w/ 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".



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

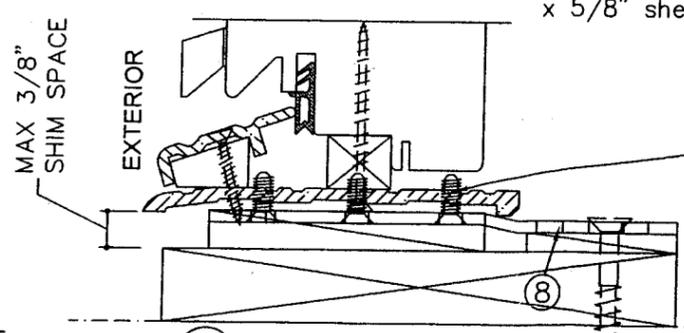
Mullion Bracket PDF-JSMI-05D. Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

**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".

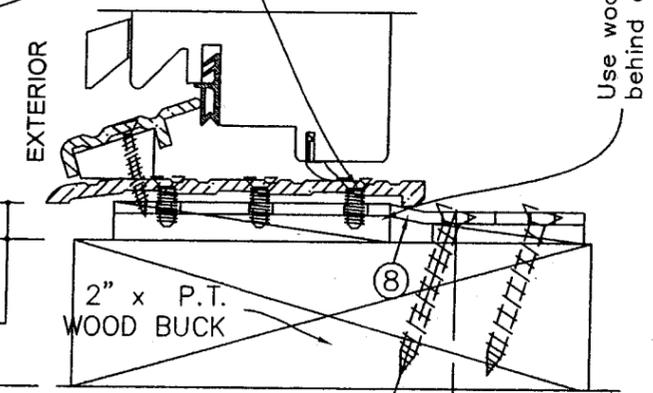
Mullion Bracket PDF-JSMI-05D. Screwed to the aluminum or bronze threshold using 6x 10-24 x 5/8" sheet metal screws.



- 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

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".

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

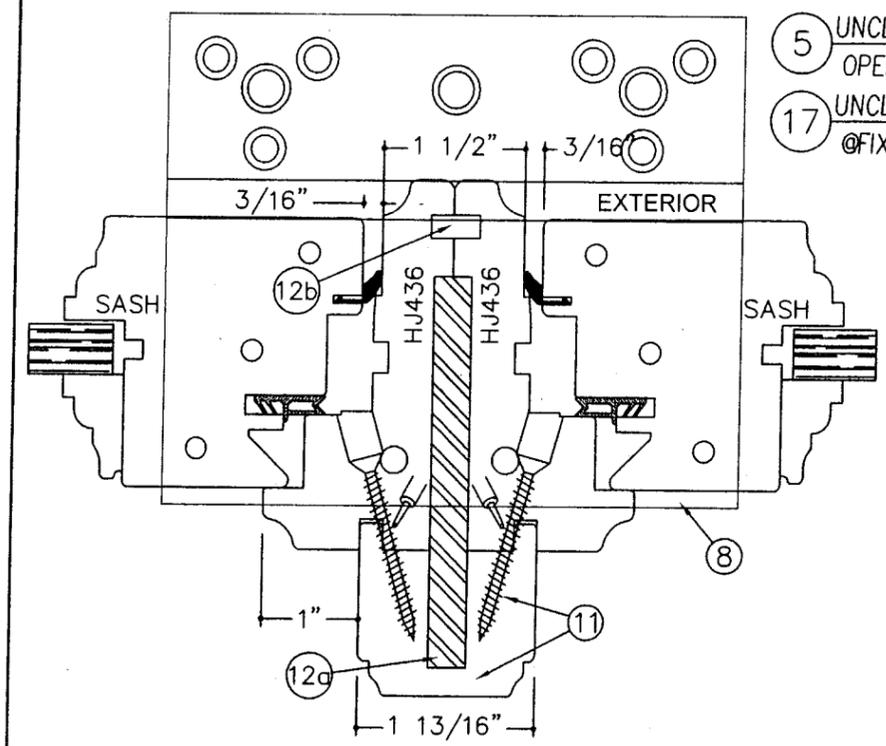
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9804	Page: 4 / 9

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

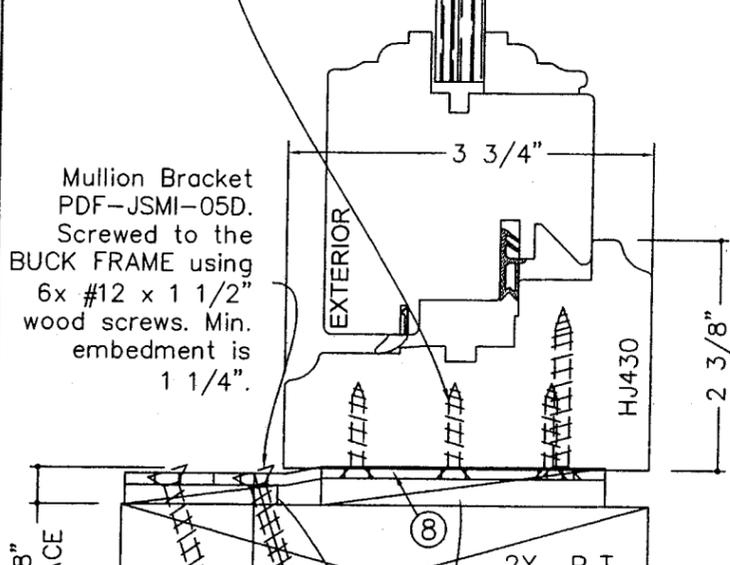
WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

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



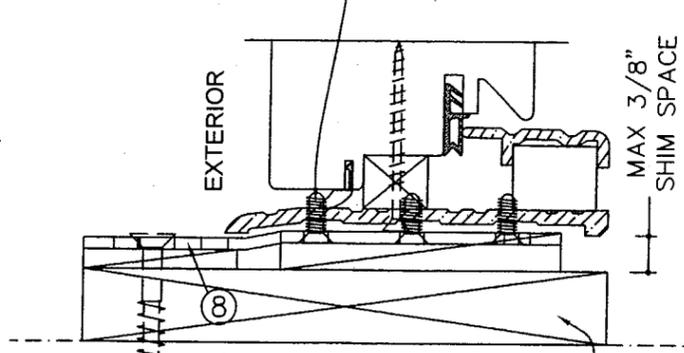
- 5 UNCLIPPED VERTICAL MULLION OPERABLES, OPEN OUT
- 17 UNCLIPPED VERTICAL MULLION @FIXED (SIM), OPEN OUT

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".

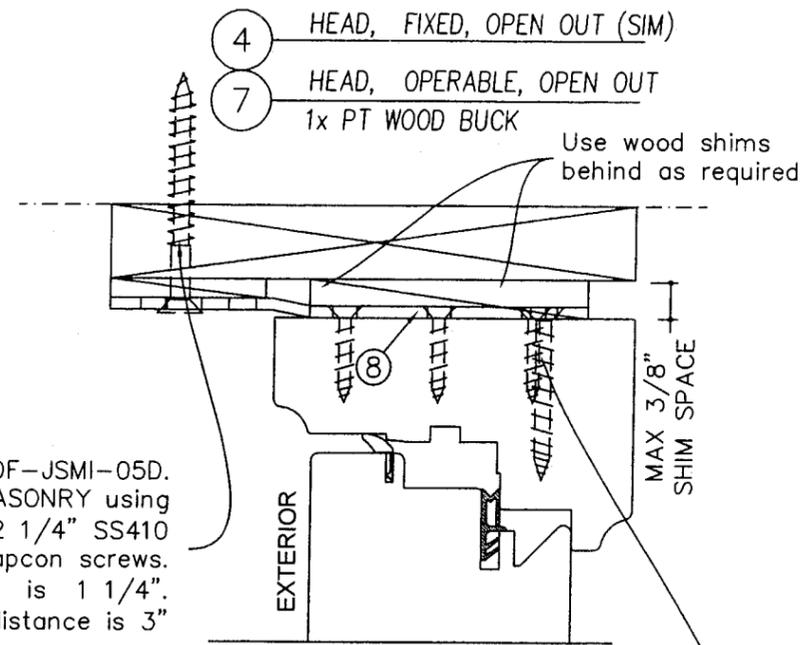


- 22 SILL, FIXE, OPEN OUT (SIM)
- 9 SILL, OPERABLE, OPEN OUT 2x PT WOOD BUCK

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"φ x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"



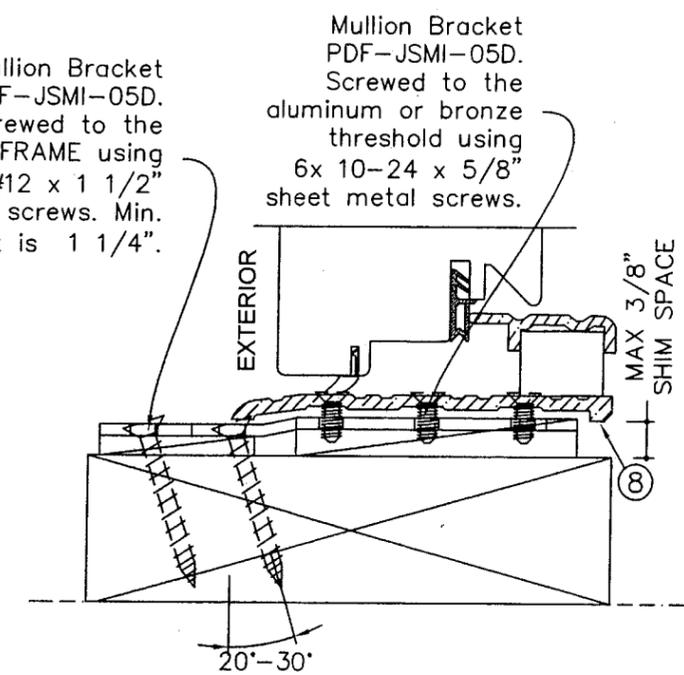
Mullion Bracket PDF-JSMI-05D. Screwed to the MASONRY using 3 x 1/4"φ x 2 1/4" SS410 stainless steel Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3"

- 4 HEAD, FIXED, OPEN OUT (SIM)
- 7 HEAD, OPERABLE, OPEN OUT 1x 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".

**UNCLIPPED VERTICAL MULLION,
OPEN OUT CONFIGURATION**

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".



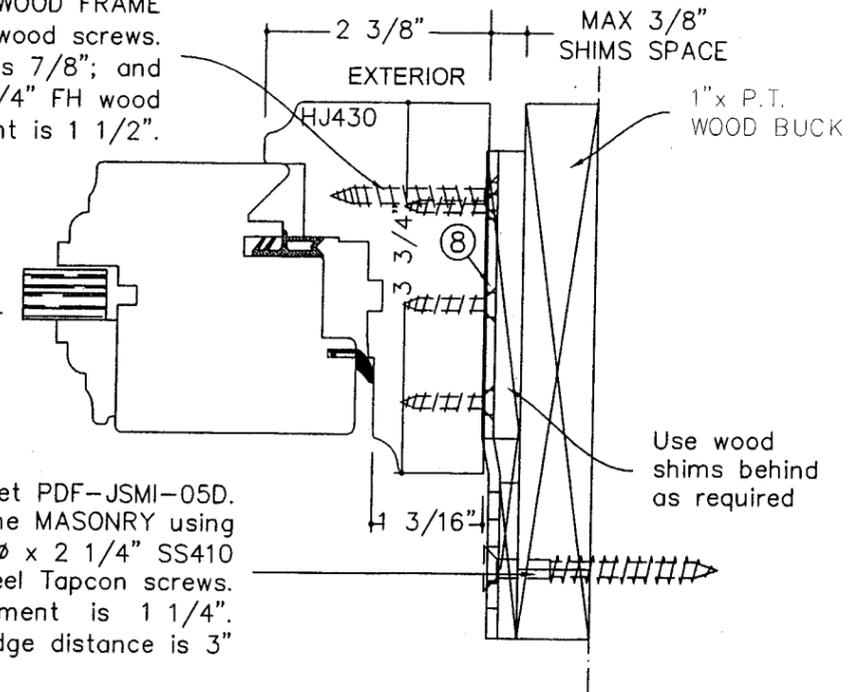
- 11 SILL, OPERABLE, OPEN OUT 2x PT WOOD BUCK

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".

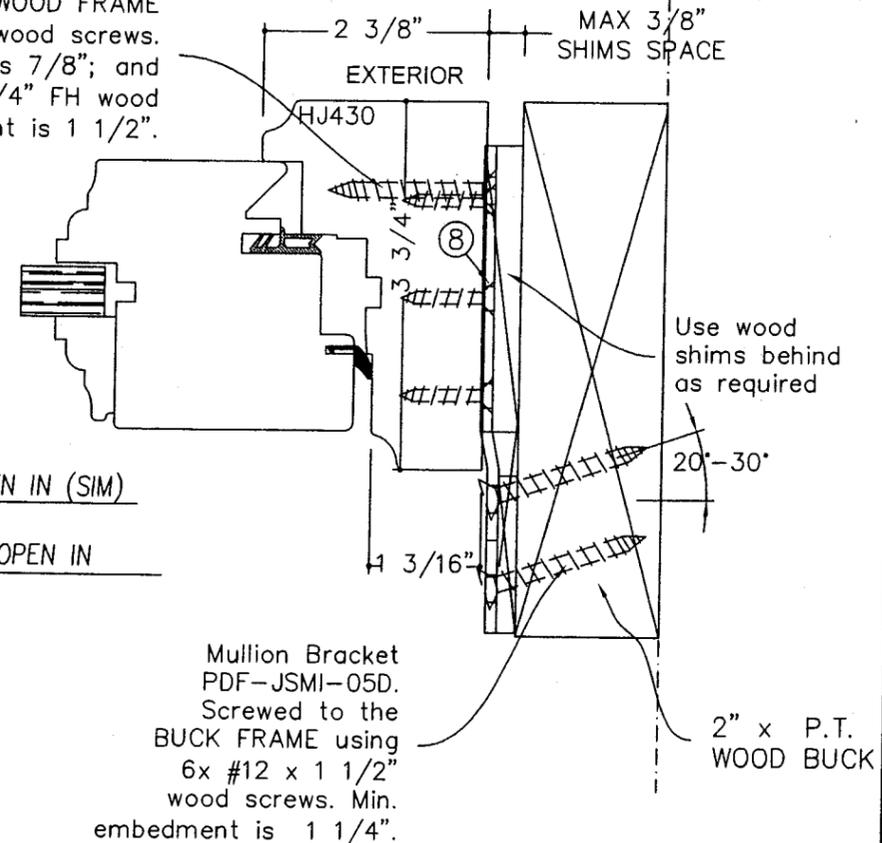
- ① JAMB, FIXED, OPEN IN (SIM)
- ⑭ JAMB, OPERABLE, OPEN IN
1x PT CONTINUOUS WOOD BUCK



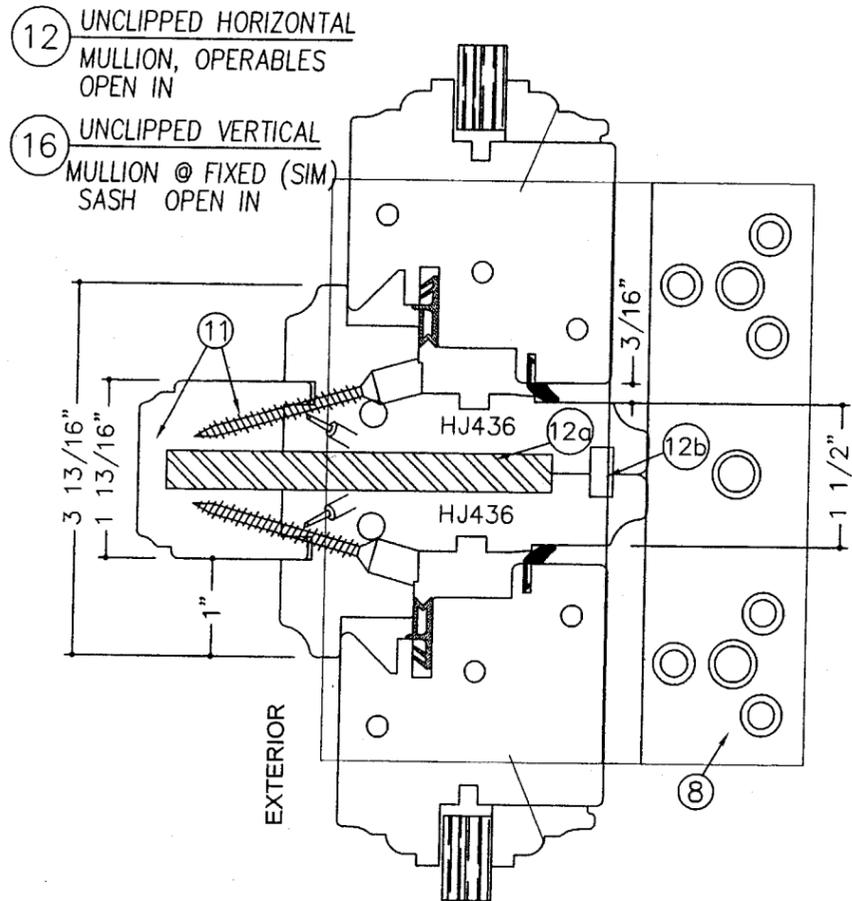
Mullion Bracket PDF-JSMI-05D.
Screwed to the MASONRY using
3 x 1/4"Ø x 2 1/4" SS410
stainless steel Tapcon screws.
Min. embedment is 1 1/4".
Min. edge distance is 3"

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".

- 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".



- 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

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:

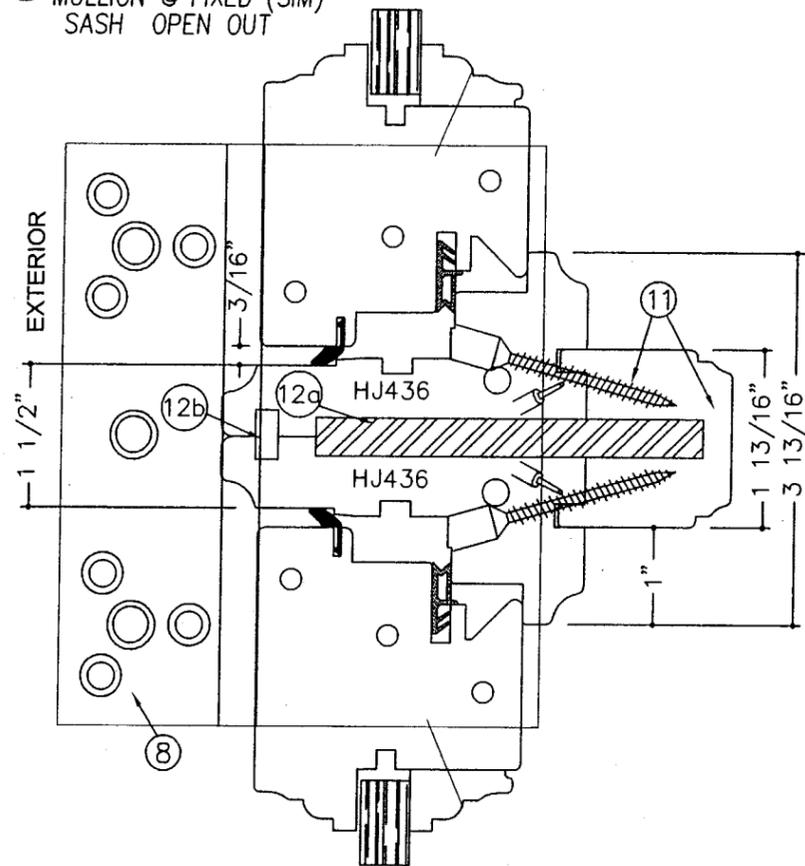
Scott Wolters
SCOTT WOLTERS
FL PE# 62354

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

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

UNCLIPPED HORIZONTAL MULLION,
OPEN OUT CONFIGURATION

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

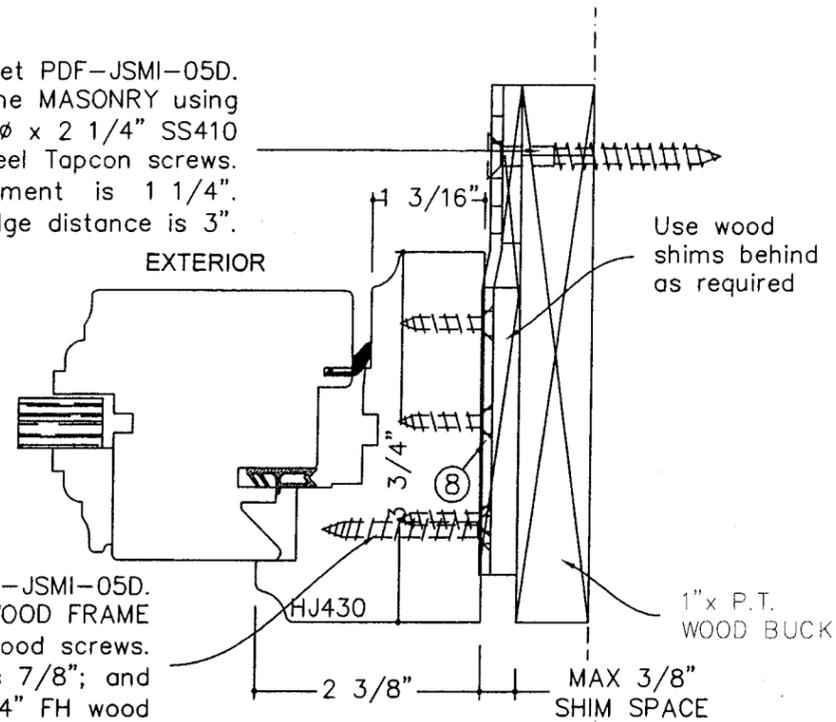


NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 7 TO 8

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

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

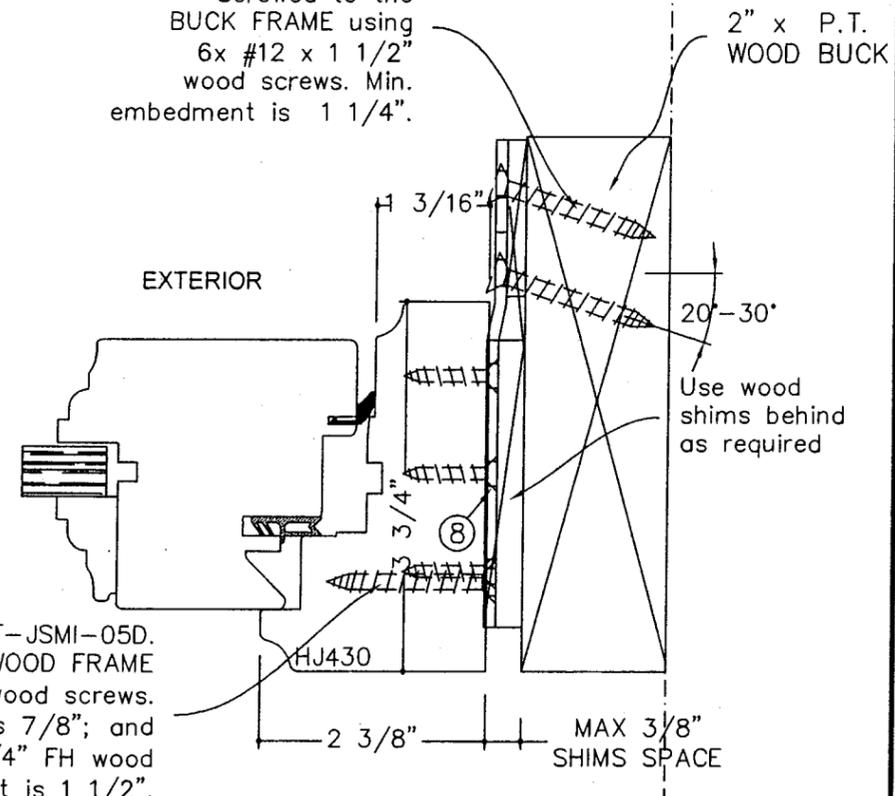
- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT
1x PT CONTINUOUS WOOD BUCK



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".

- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT
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".



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".

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 RENEWED
as complying with the Florida
Building Code
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Miami Dade Product Control
Division

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

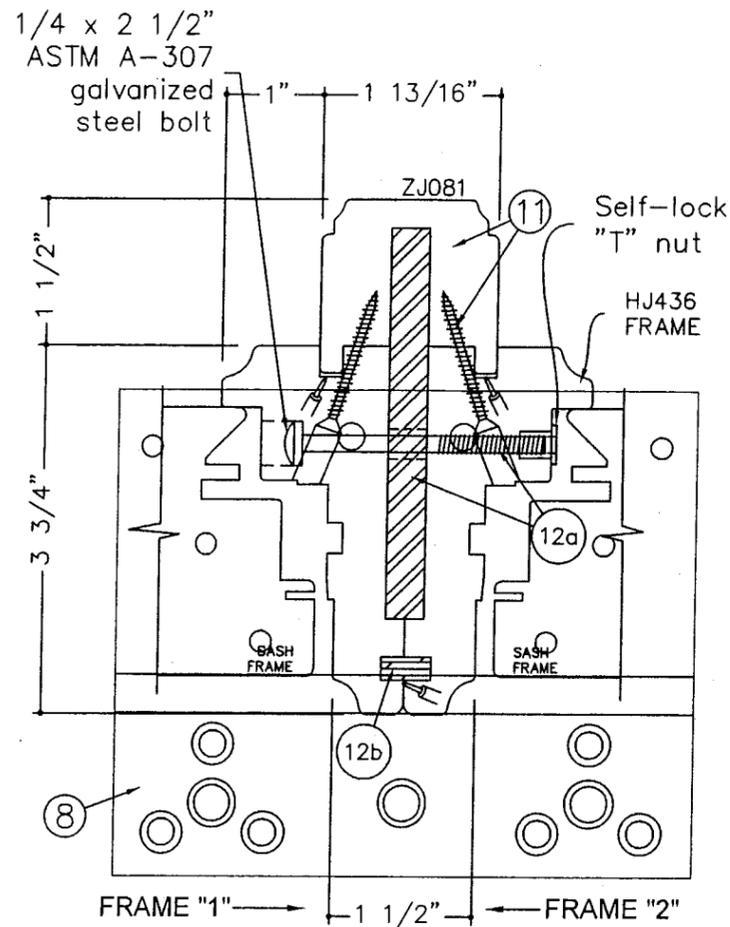
Date drawn: 01/10/99 Date revised: 07/14/01

File: DJS-M9807 Page: 7 / 9

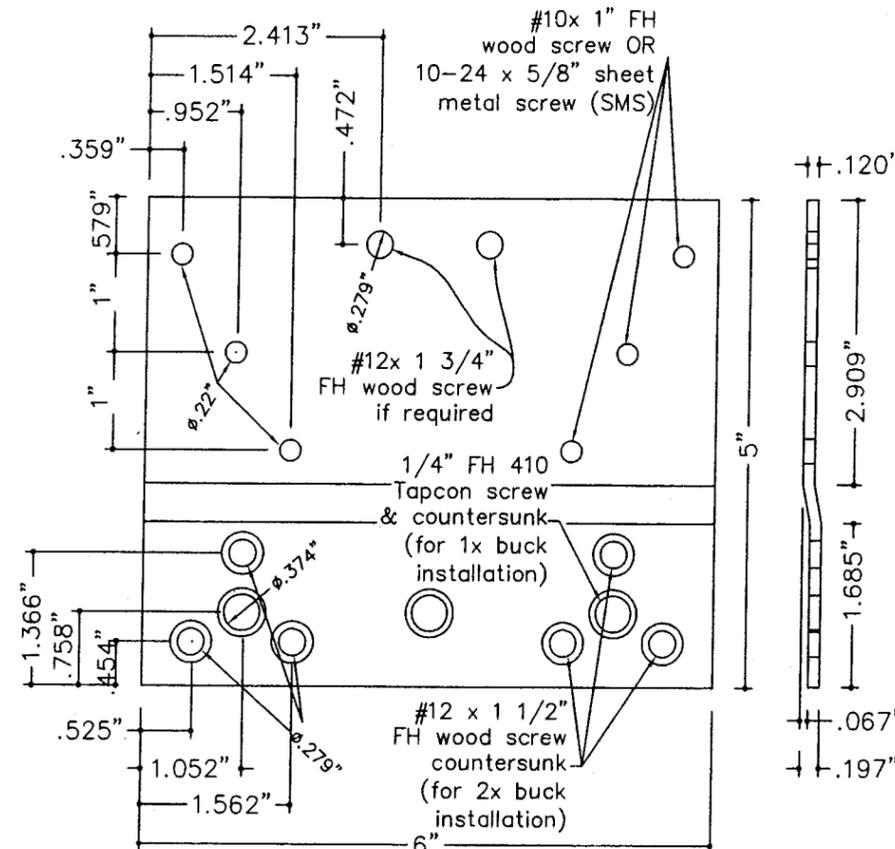
STRUCTURALLY REVIEWED BY:

Scott Walters
SCOTT WALTERS
FL PE# 62354

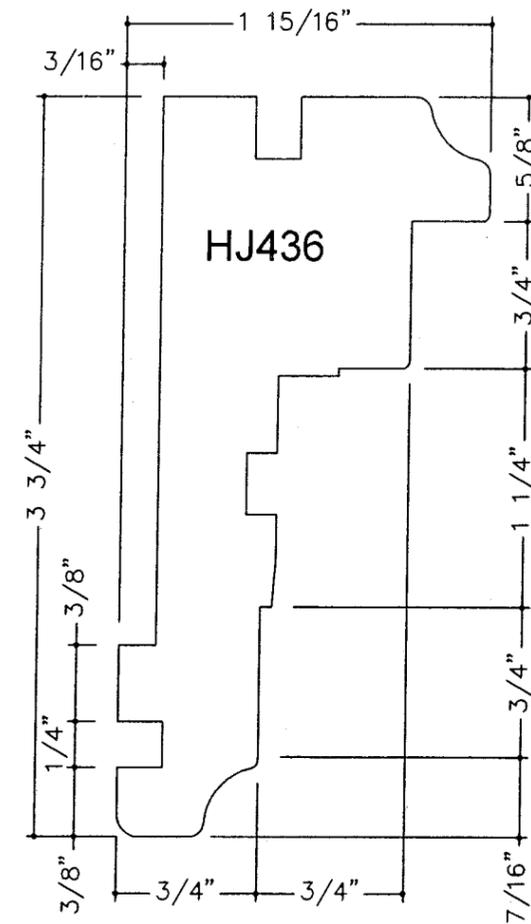
WALTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 00 2007



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

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



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

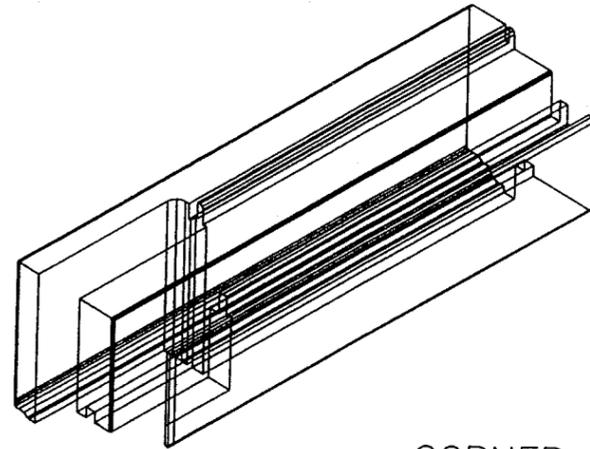
ENGINEER:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

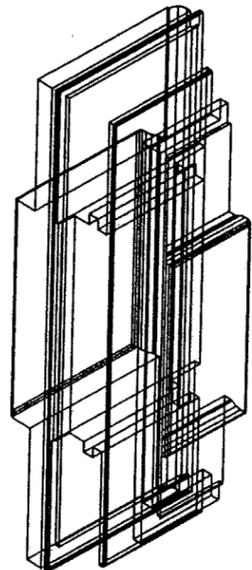
WOLTERS ENGINEERING
(COA# 27194)
322 BUCHANAN #609
HOLLYWOOD, FL 33019
NOV 30 2007

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Miami Dade Product Control
Division

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



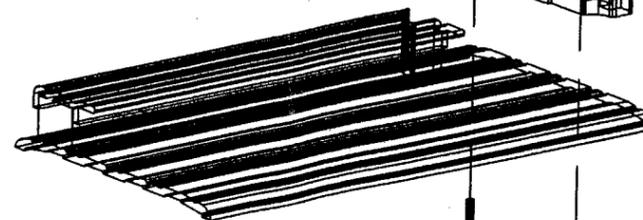
CORNER
ASSEMBLY
(MULTI-FORK)



FRAME JAMB
HJ-436



ALUMINUM FLAT
SILL ASSEMBLY



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

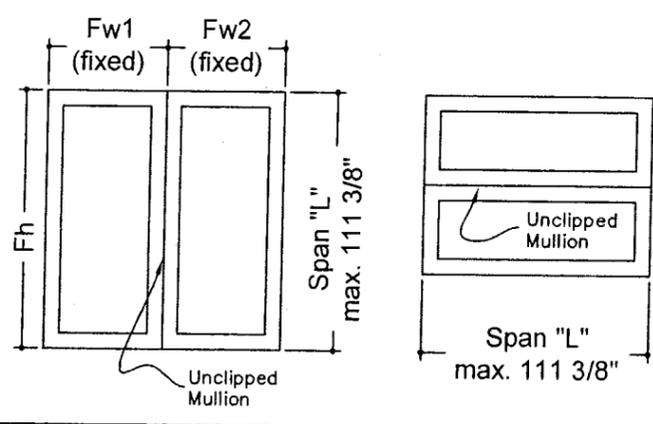


**MAXIMUM FRAME WIDTH & HEIGHT TABLES
FOR A GIVEN MULLION SPAN (HORIZONTAL OR VERTICAL)**

**JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY**

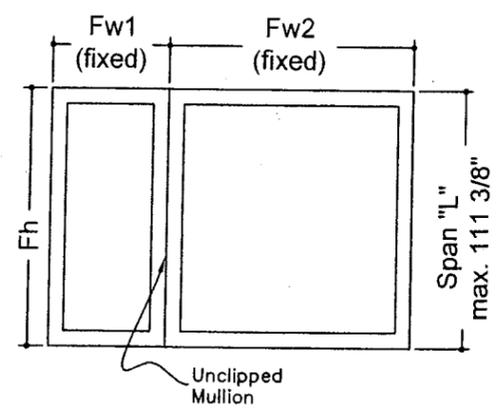
**TABLE 1
VERTICAL OR HORIZONTAL
UNCLIPPED MULLION,
FIXED-FIXED COMBINATION**

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



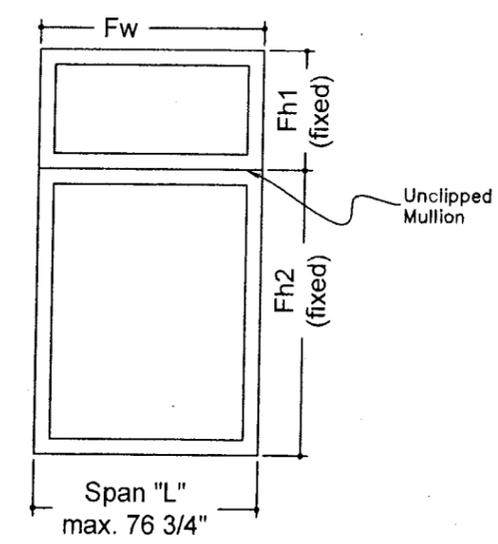
**TABLE 2
VERTICAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION**

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.

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

Drawing no.: MQJS-NOA1
Scale: NONE
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Drawn by: S. Marcotte
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Scott Walters
SCOTT WALTERS
FL PE# 62354
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