



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

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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

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 Serie Unclipped Mullion - Miami Dade County", sheets 1 through 9 of 9, dated 01/10/99, with revision dated 12/03/14, prepared by manufacturer, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Section Revision 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 manufacturer's name or logo, city, state, model/series, 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# 13-1105.14 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 Manuel Perez, P.E.



MP
12/9/14

NOA No. 14-1030.13
Expiration Date: December 12, 2019
Approval Date: December 18, 2014
Page 1

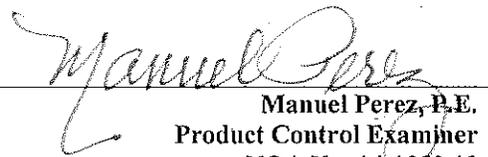
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **MQJS-NOA1**, titled "JS Serie Unclipped Mullion - Miami Dade County", sheets 1 through 9 of 9, dated 01/10/99, with revision dated 12/03/14, prepared by manufacturer, signed and sealed by Scott Wolters, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of mullied JS series wood fixed windows, prepared by Intertek Testing Services NA, Ltd., Test Report No. **ITS-101861406COQ-002**, dated 11/14/14, signed and sealed by Frederick D. Curkeet, P.E.
2. 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 202-94along with marked-up drawings and installation diagram of mullied 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 NOA No. 02-1018.02*)
3. Test reports on:
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of mullied JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Reports No. **HTL-0118-1106-98**, dated from 10/15/98 to 11/12/98, signed and sealed by Timothy S. Marshall, P.E. (*Submitted under NOA No. 02-1018.02*)
4. Test reports on:
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of mullied JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1218-98**, dated from 01/05/99 to 01/06/99, signed and sealed by Timothy S. Marshall, P.E. (*Submitted under NOA No. 02-1018.02*)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-1030.13

Expiration Date: December 12, 2019
Approval Date: December 18, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 NOA No. 12-0222.08)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

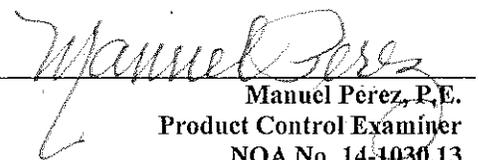
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated 12/05/14, issued by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P.E.
2. Statement letter of no financial interest, dated December 5, 2014, issued by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P.E.
3. Laboratory compliance letters for Test Reports No. **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 respectively, all signed and sealed by Timothy S. Marshall, P.E.
(Submitted under NOA No. 02-1018.02)

G. OTHERS

1. Notice of Acceptance No. **13-1105.14**, issued to M.Q. Windows, Inc. for their Series "JS" Unclipped, Steel Reinforced Wood Mullion – L.M.I., approved on 12/12/13 and expiring on 12/12/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-1030.13

Expiration Date: December 12, 2019
Approval Date: December 18, 2014

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 12/03/14

File: DJS-M9801
Page: 1 / 9

STRUCTURALLY REVIEWED BY:

Scott Walters
SCOTT WALTERS
FL PE# 62354

WALTERS ENGINEERING
(COA# 27194)
15211 97th ROAD N.,
WEST PALM BEACH, FL 33312
PH/FAX: (561) 225-1982
DEC 05 2014

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-1030-13
Expiration Date Dec 12, 2019
By *Manuel Perez*
Miami Dade Product Control

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.

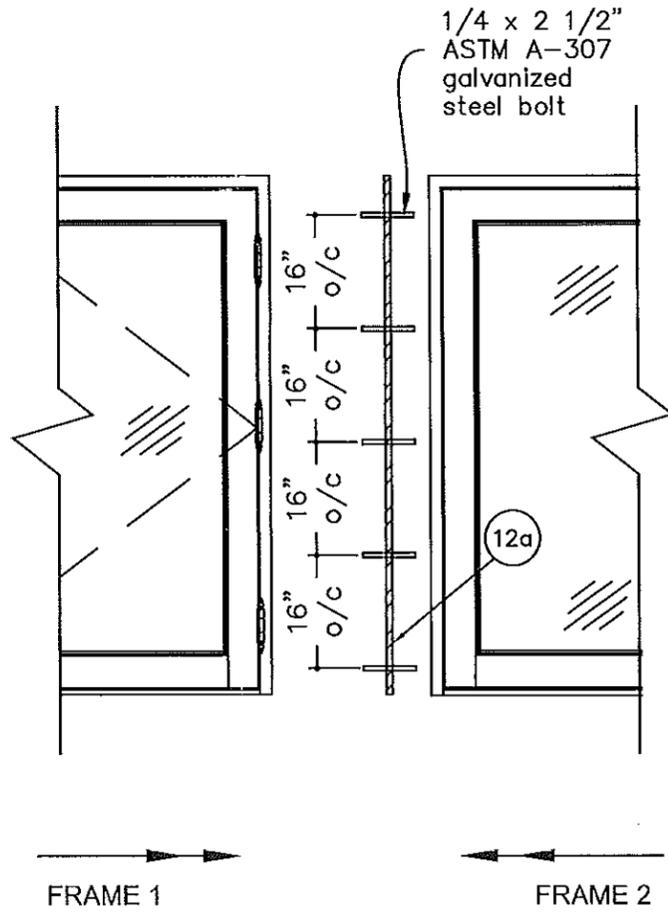
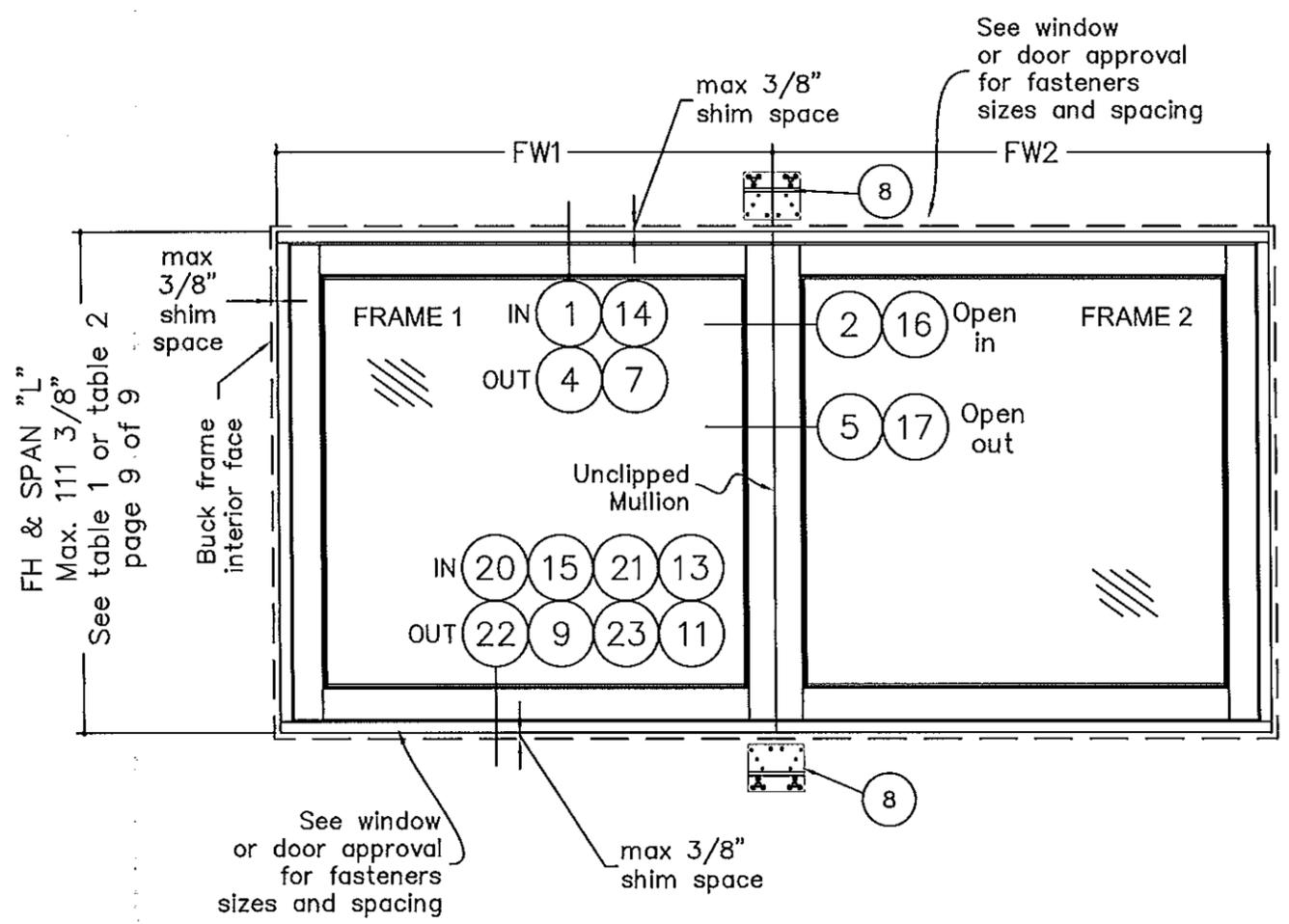
CONNECTION TO THE
STRUCTURE

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



GENERAL NOTES:

- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 5TH EDITION OF THE FLORIDA BUILDING (2014), INCLUDING THE HVHZ PROVISIONS.
- 2- THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS201, 202 AND 203. NO SHUTTERS ARE REQUIRED.
- 3- WOOD BUCKS (BY OTHERS) AND OPENINGS MUST BE DESIGNED BY THE PROFESSIONAL OF RECORD TO PROPERLY TRANSFER WIND LOADS TO THE MAIN STRUCTURE.
- 4- SPECIFIED ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 5- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE WAS NOT USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF Cd = 1.6 WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.
- 6- ALL WOOD NOT SEPARATED FROM AND/OR IN DIRECT CONTACT WITH CONCRETE AND MASONRY SHALL BE TREATED IN AN APPROVED PRESERVATIVE OR SHALL BE AN APPROVED DURABLE SPECIES PER FBC SECTION 2304.11.

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 Walters
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PH/FAX: (561) 225-1982
DEC 05 2014

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-1030.13
Expiration Date Dec 12, 2019
By *Manuel Perez*
Miami Dade Product Control

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.

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".

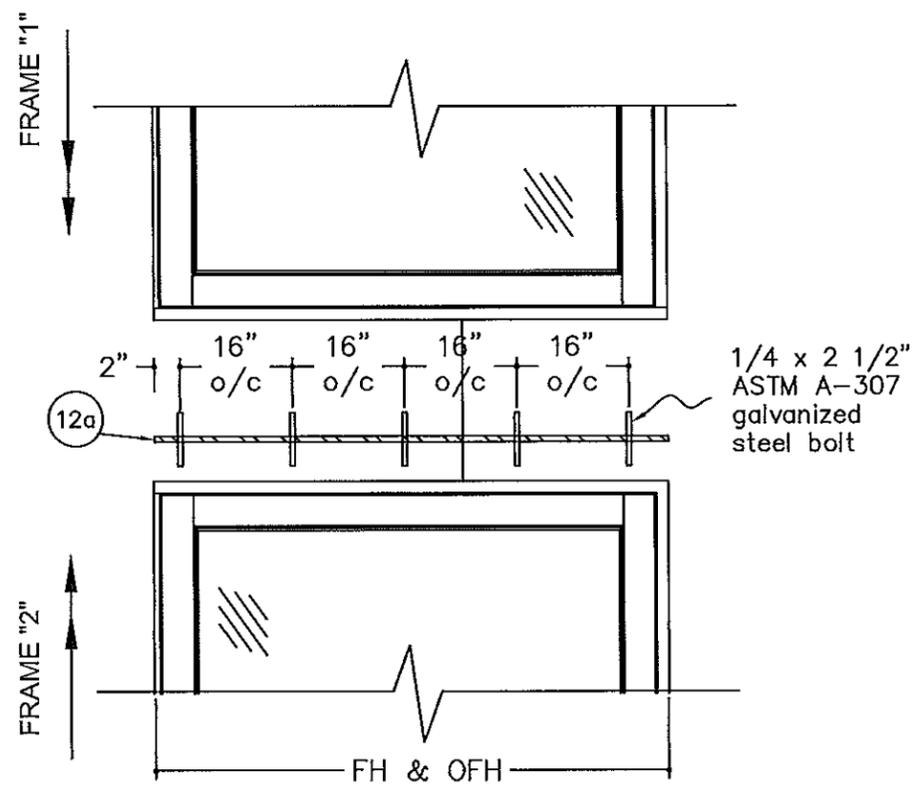
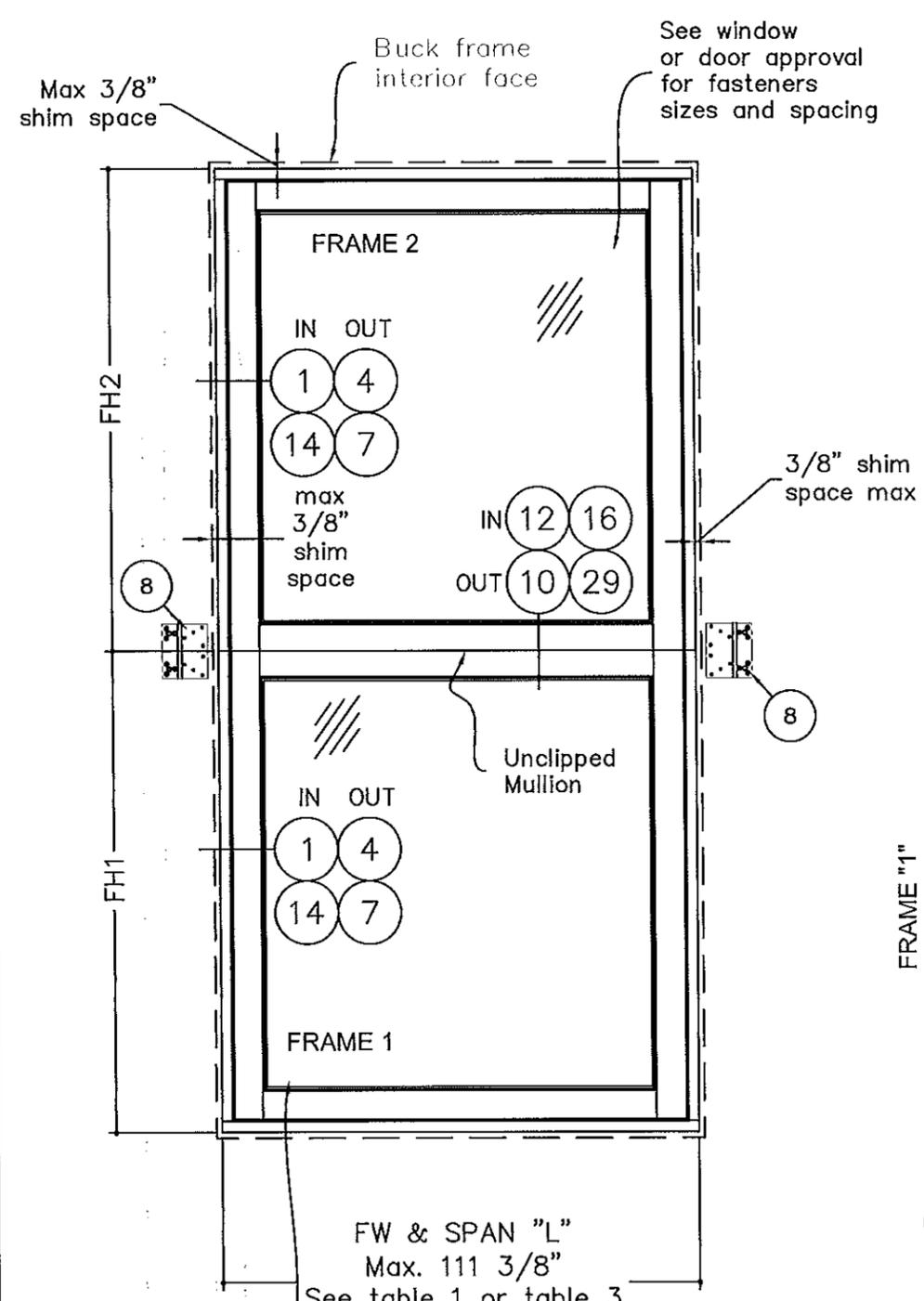
MAXIMUM SHIM SPACE: 3/8"

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

UNCLIPPED MULLION
HORIZONTAL INSTALLATION
INSIDE/OUTSIDE
CONFIGURATION

VIEWED FROM THE OUTSIDE
WOOD: Mahogany

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



JS SERIE
 UNCLIPPED MULLION
 MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

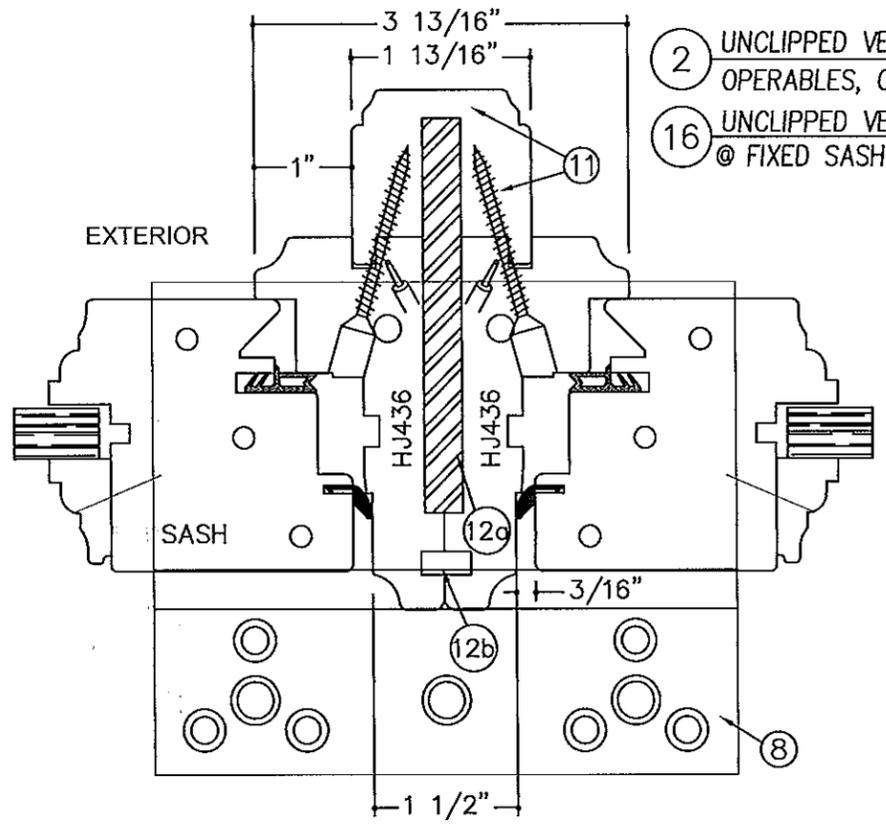
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9803	Page: 3 / 9

STRUCTURALLY REVIEWED BY:

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 DEC 05 2014

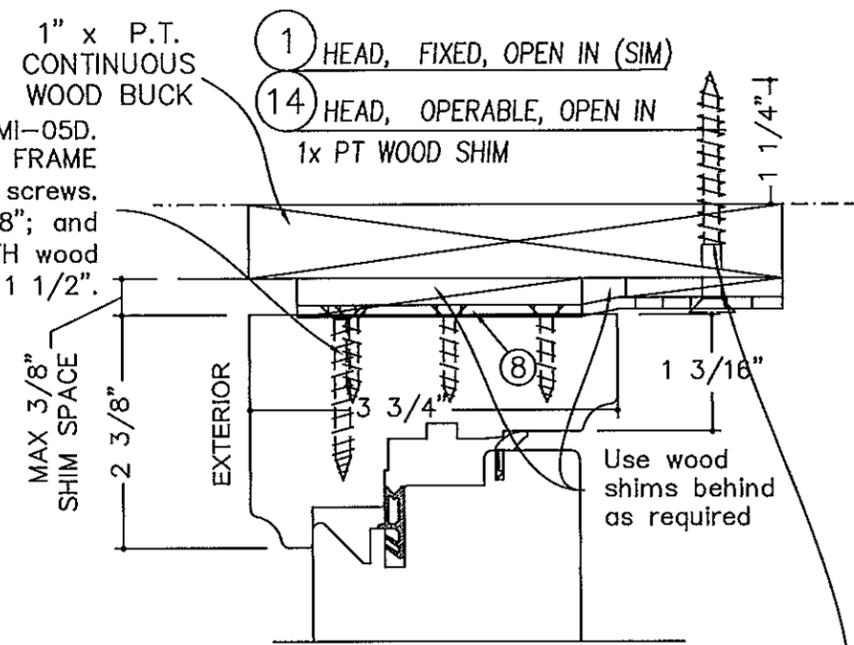
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 14-1030.13
 Expiration Date Dec 12, 2019
 By *Manuel Frey*
 Miami Dade Product Control



1" x P.T. CONTINUOUS WOOD BUCK

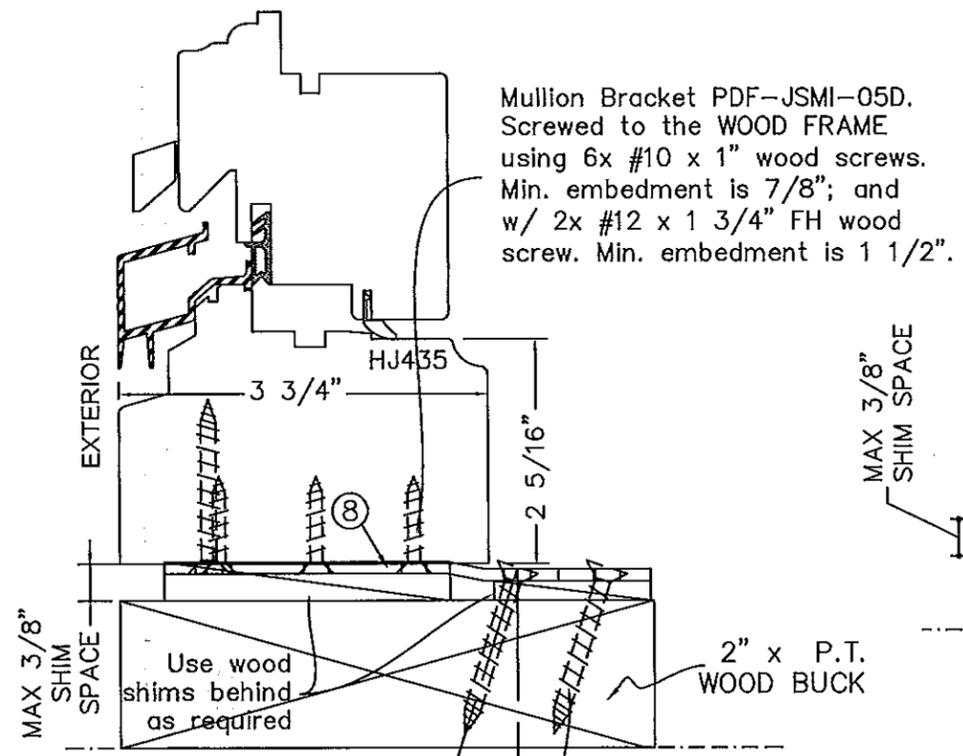
1 HEAD, FIXED, OPEN IN (SIM)
 14 HEAD, OPERABLE, OPEN IN
 1x PT WOOD SHIM

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".

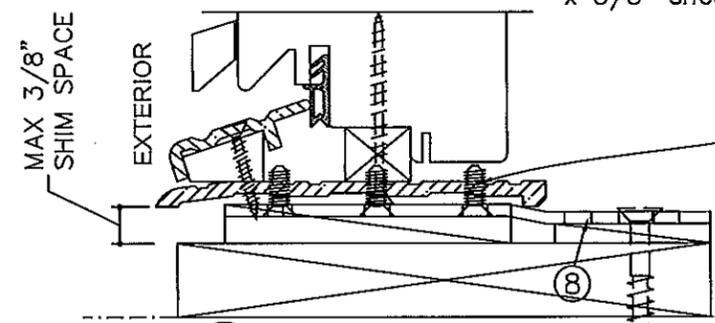


Mullion Bracket PDF-JSMI-05D.
 Screwed to the MASONRY using
 3 x 1/4"φ x 2 1/4" SS410
 stainless steel Tapcon screws.
 Min. embedment is 1 1/4".
 Min. edge distance is 3"

UNCLIPPED VERTICAL MULLION,
 OPEN IN CONFIGURATION

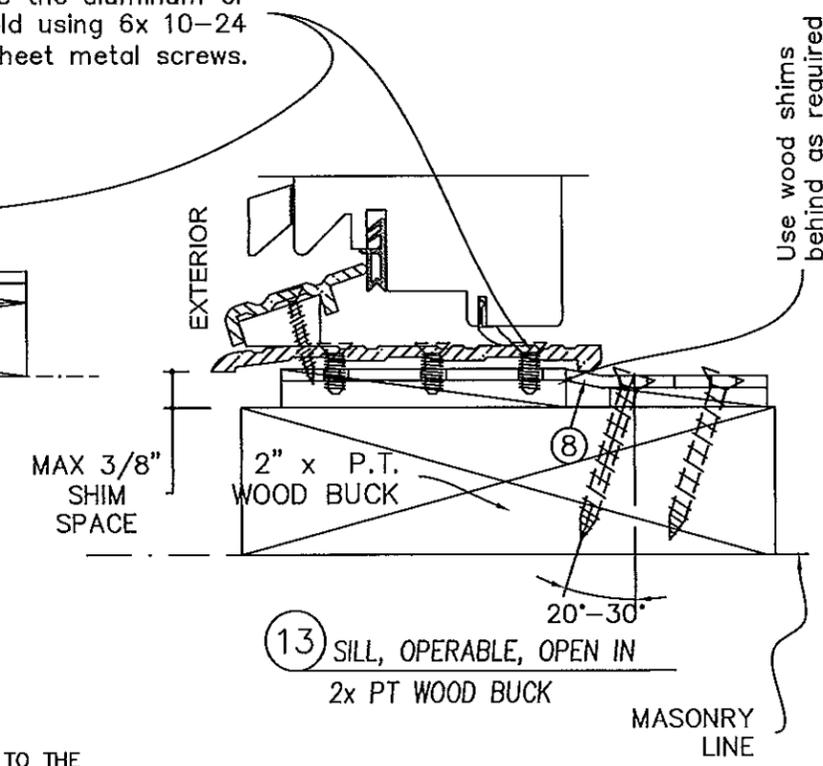


Mullion Bracket PDF-JSMI-05D.
 Screwed to the aluminum or
 bronze threshold using 6x 10-24
 x 5/8" sheet metal screws.



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

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



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

20 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

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

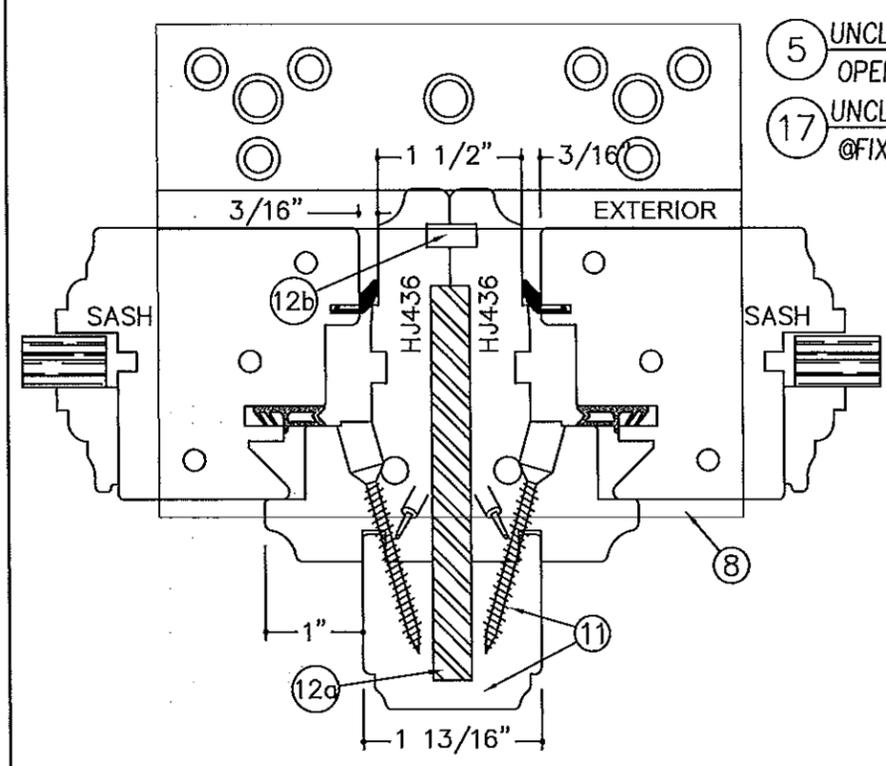
STRUCTURALLY REVIEWED BY:

Scott Walters
 SCOTT WALTERS
 FL PE# 62354

WALTERS ENGINEERING
 (COA# 27194)
 15211 97th ROAD N.,
 WEST PALM BEACH, FL 33312
 PH/FAX: (561) 225-1982
 DEC 05 2004

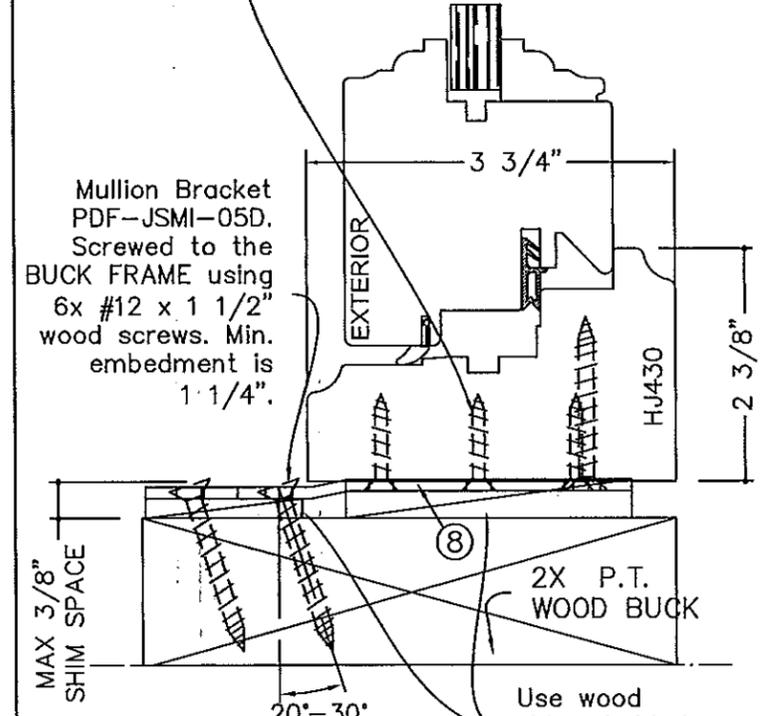
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. _____
 Expiration Date _____

By _____
 Miami Dade Product Control



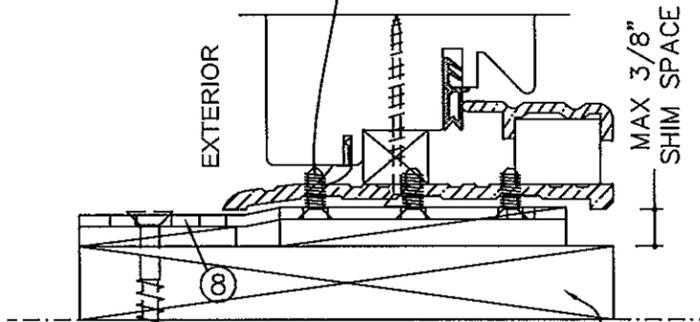
- 5 UNCLIPPED VERTICAL MULLION OPERABLES, OPEN OUT
- 17 UNCLIPPED VERTICAL MULLION @FIXED (SIM), OPEN OUT

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".



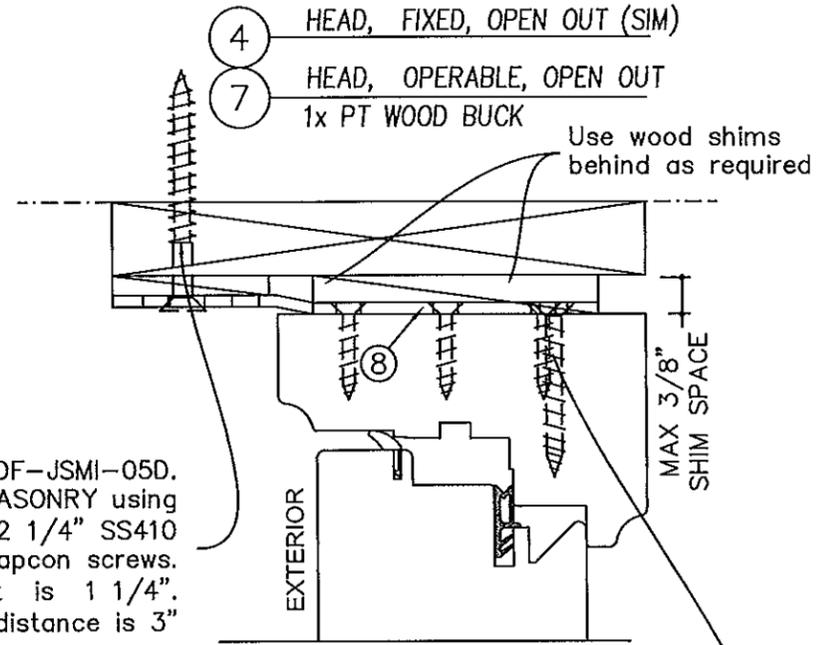
- 22 SILL, FIXE, OPEN OUT (SIM)
- 9 SILL, OPERABLE, OPEN OUT 2x PT WOOD BUCK

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



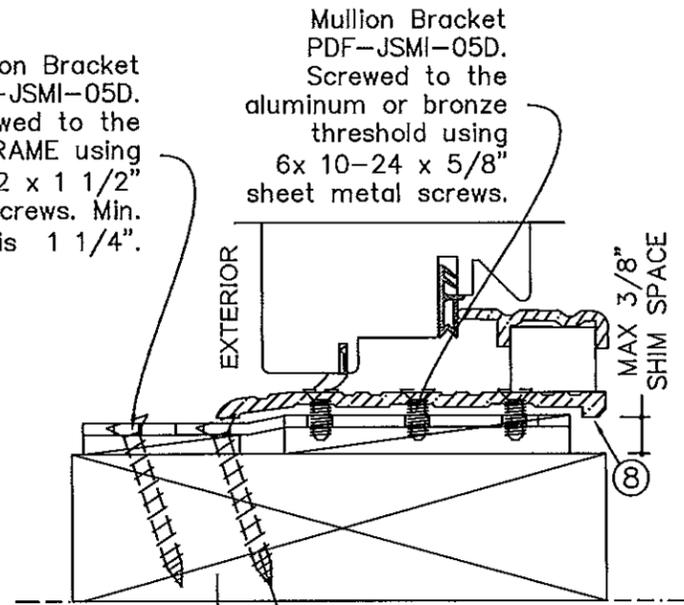
- 4 HEAD, FIXED, OPEN OUT (SIM)
- 7 HEAD, OPERABLE, OPEN OUT 1x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D. Screwed to the MASONRY using 3 x 1/4" 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 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

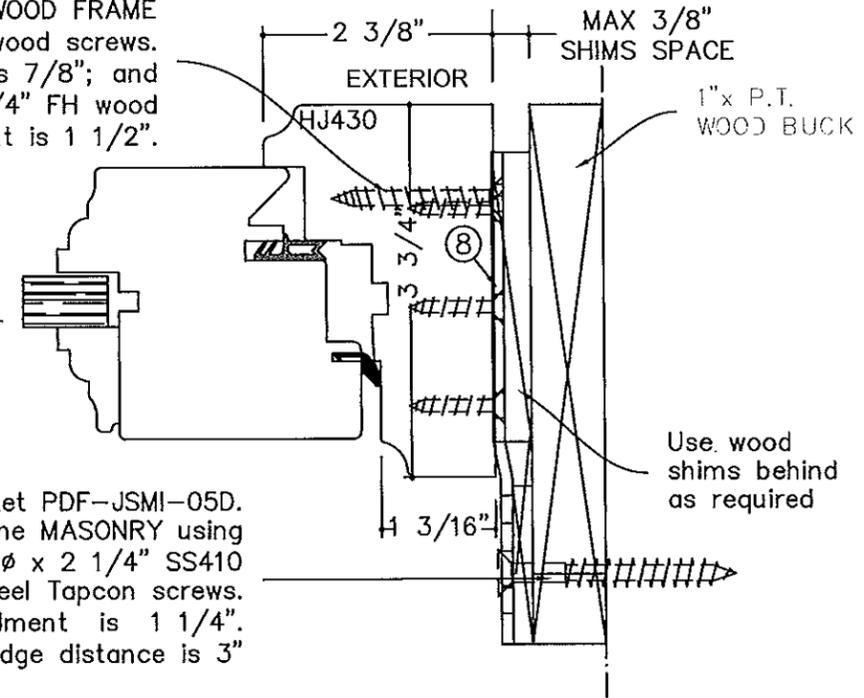
NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

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".

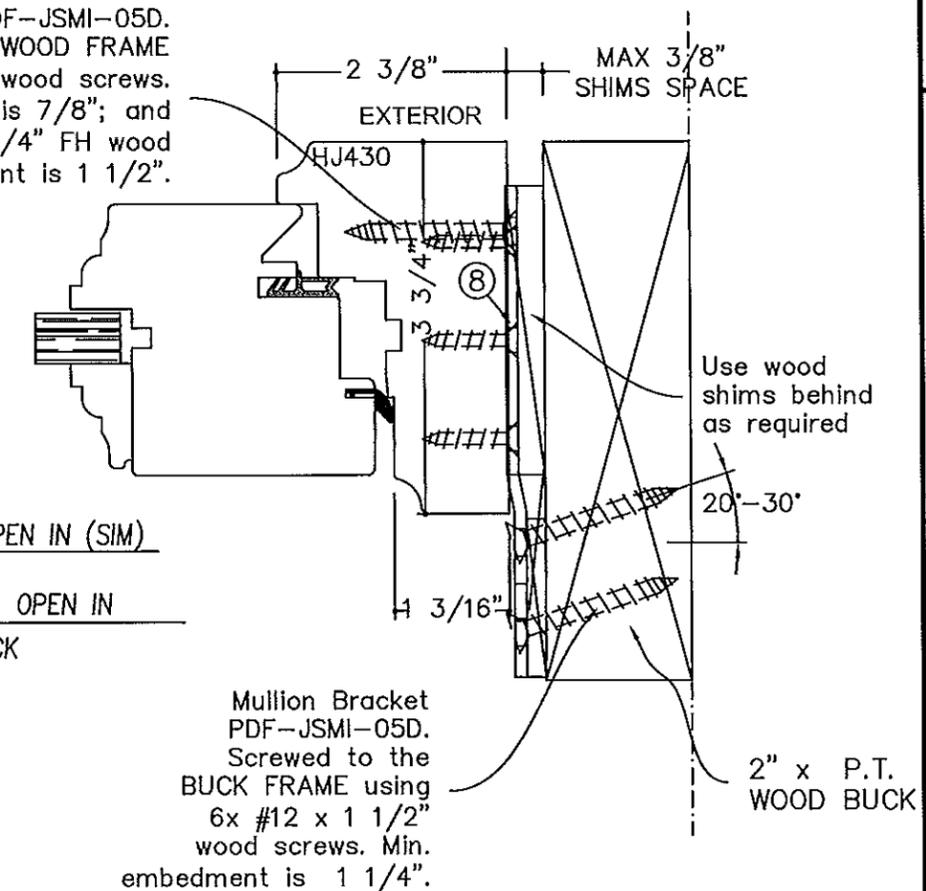
- ① JAMB, FIXED, OPEN IN (SIM)
- ⑭ JAMB, OPERABLE, OPEN IN
1x PT CONTINUOUS WOOD BUCK



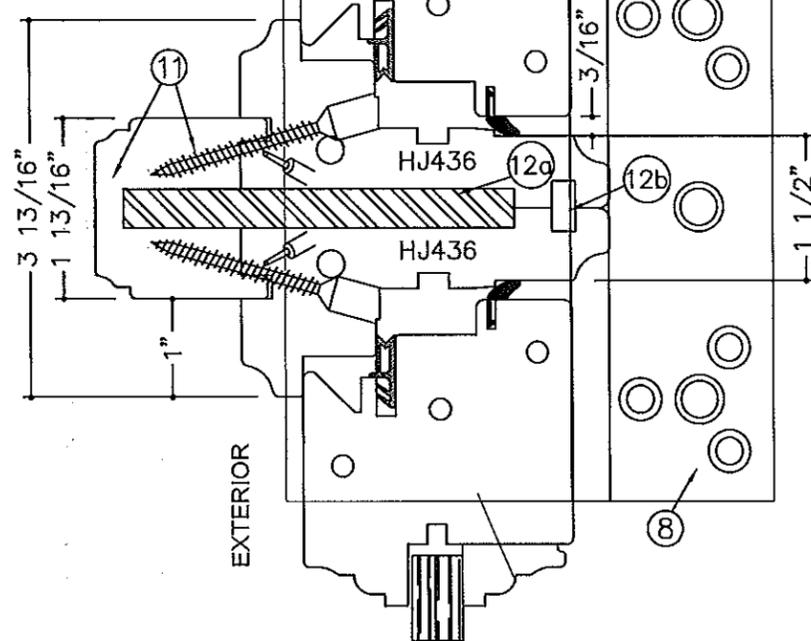
Mullion Bracket PDF-JSMI-05D.
Screwed to the MASONRY using
3 x 1/4"φ x 2 1/4" SS410
stainless steel Tapcon screws.
Min. embedment is 1 1/4".
Min. edge distance is 3"

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



- 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 Walters
SCOTT WALTERS
FL PE# 62354

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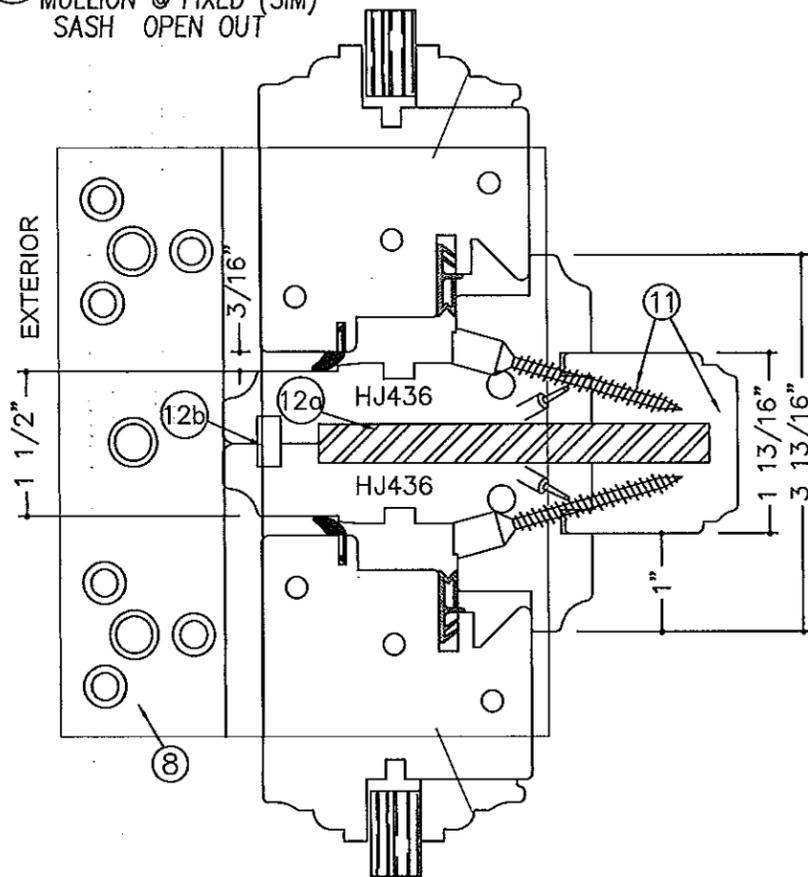
DEC 05 2014

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-1030.13
Expiration Date Dec 12, 2019

By *Manuel Perez*
Miami Dade Product Control

UNCLIPPED HORIZONTAL MULLION,
OPEN OUT CONFIGURATION

- ⑩ UNCLIPPED HORIZONTAL MULLION, OPERABLES OPEN OUT
- ⑲ UNCLIPPED VERTICAL MULLION @ FIXED (SIM) SASH OPEN OUT

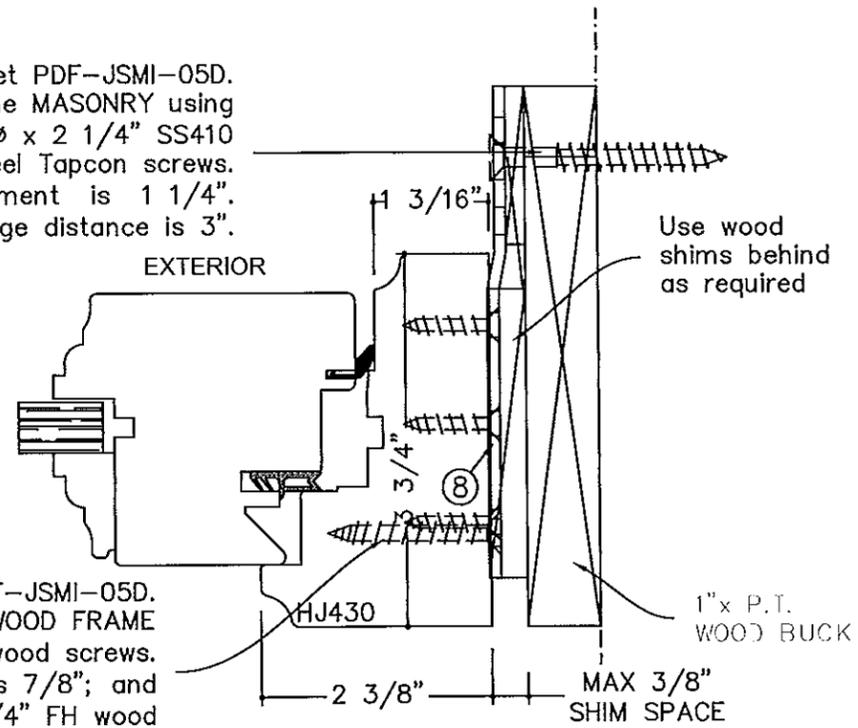


NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 7 TO 8

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".

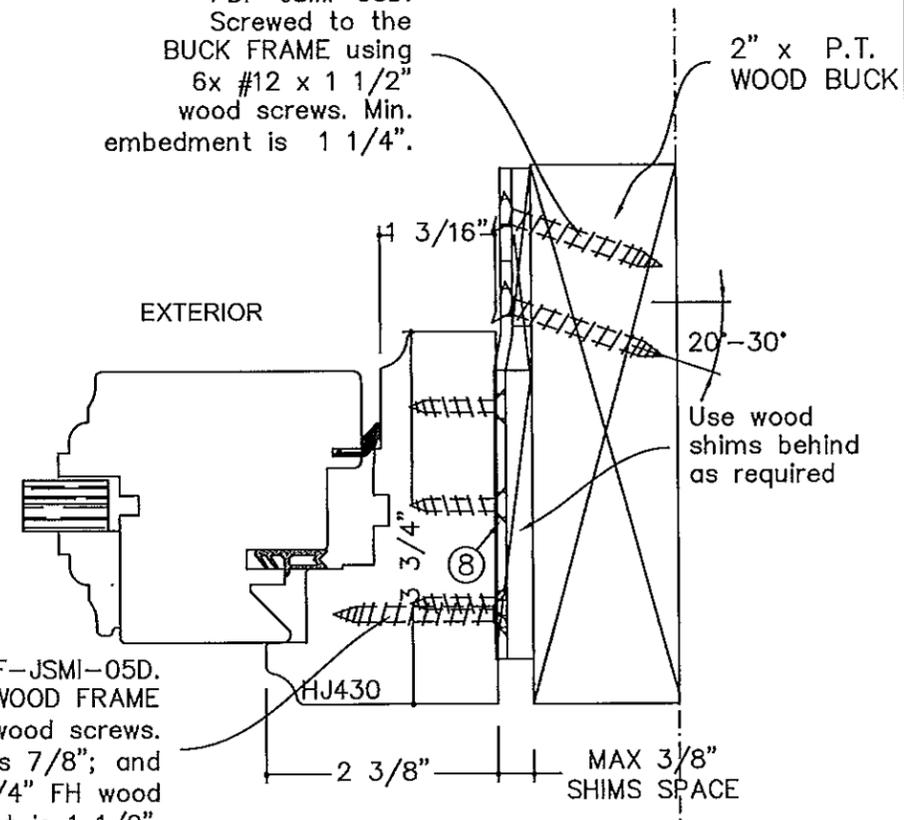
- ④ JAMB, FIXED, OPEN OUT (SIM)
- ⑦ JAMB, OPERABLE, OPEN OUT
1x PT CONTINUOUS WOOD BUCK



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".

- 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:

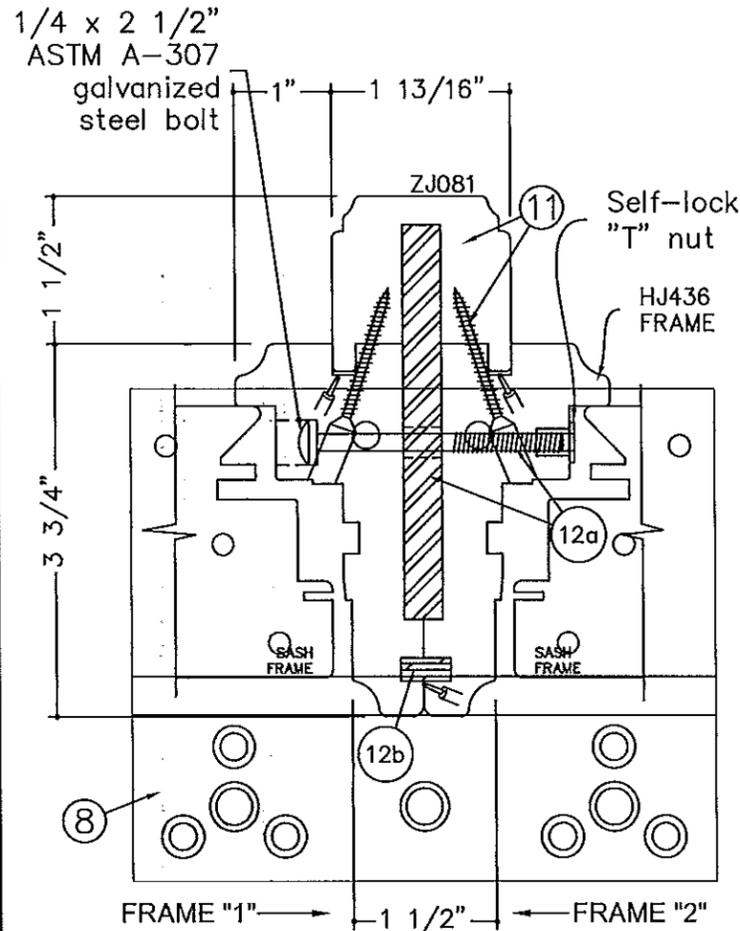
Scott Walters
SCOTT WALTERS
FL PE# 62354

WALTERS ENGINEERING
(COA# 27194)
15211 97th ROAD N.,
WEST PALM BEACH, FL 33312
PH/FAX: (561) 225-1982

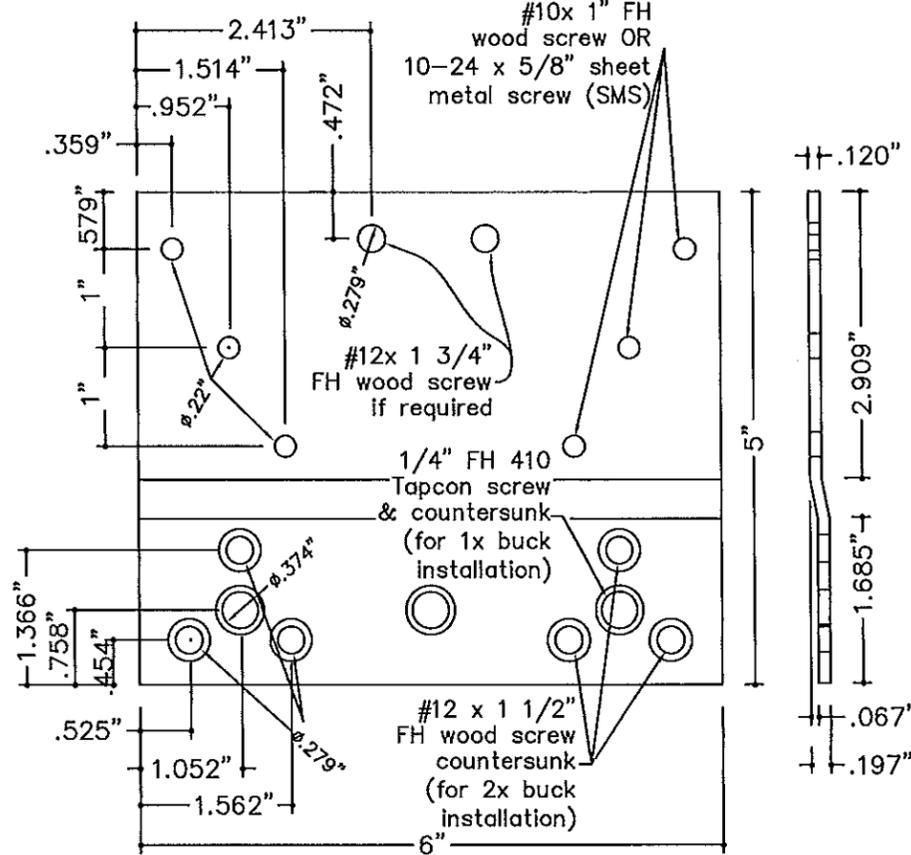
DEC 05 2016

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-103013
Expiration Date Dec 17, 2019

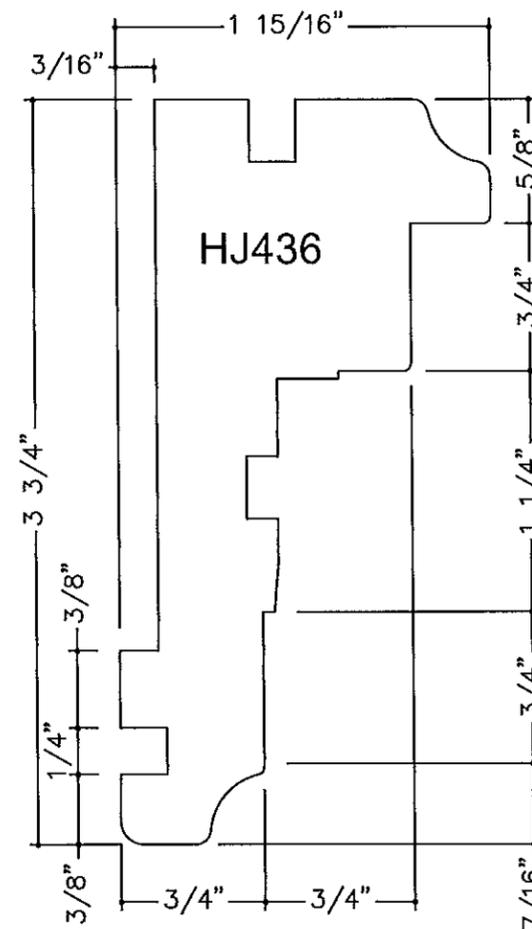
By *Manuel Perez*
Miami Dade Product Control



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

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DEC 05 2014

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as complying with the Florida
Building Code
Acceptance No. 14-1030-13
Expiration Date Dec 12, 2019

By *Manuel Ruiz*
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

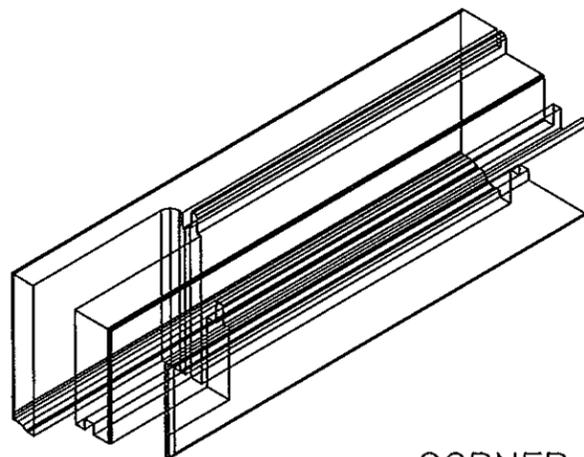
ENGINEER:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

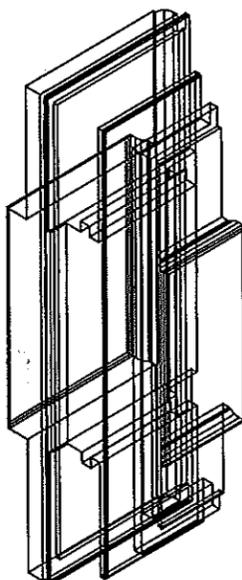
WOLTERS ENGINEERING
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15211 97th ROAD N.,
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PRODUCT REVISED
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Expiration Date Dec 12, 2019
By *Manuel Perez*
Miami Dade Product Control

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



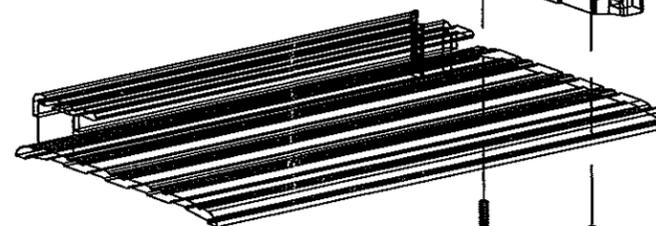
CORNER
ASSEMBLY
(MULTI-FORK)



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)

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

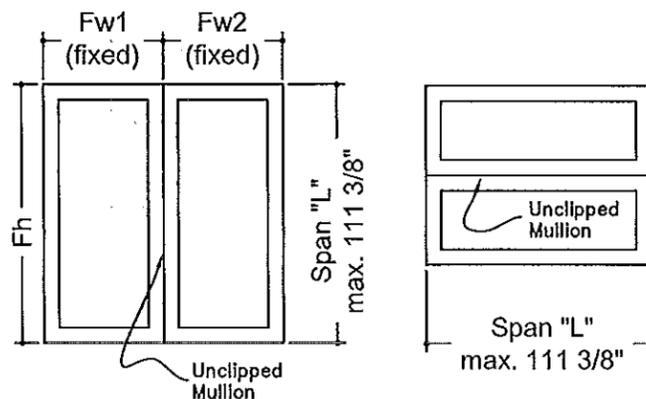


TABLE 2
VERTICAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION

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

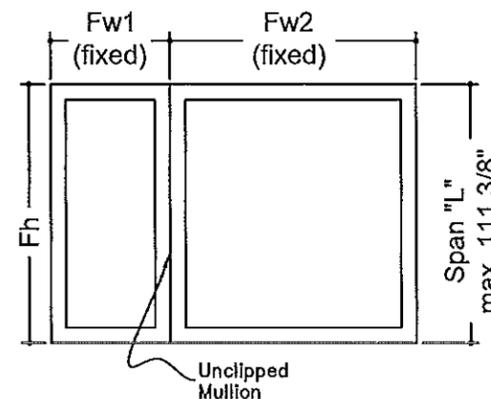
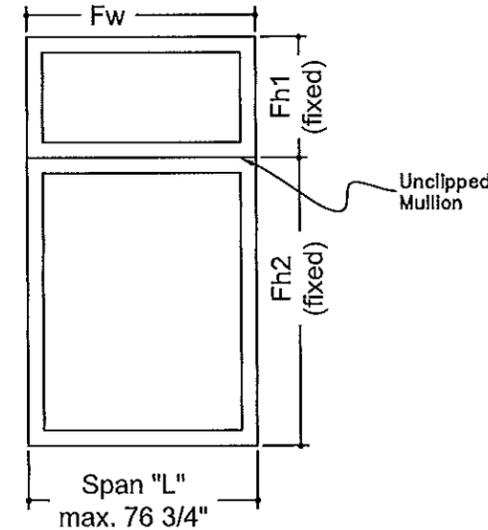


TABLE 3
HORIZONTAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION

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

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

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DEC 05 2014

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By *Marcus Perez*
Miami Dade Product Control