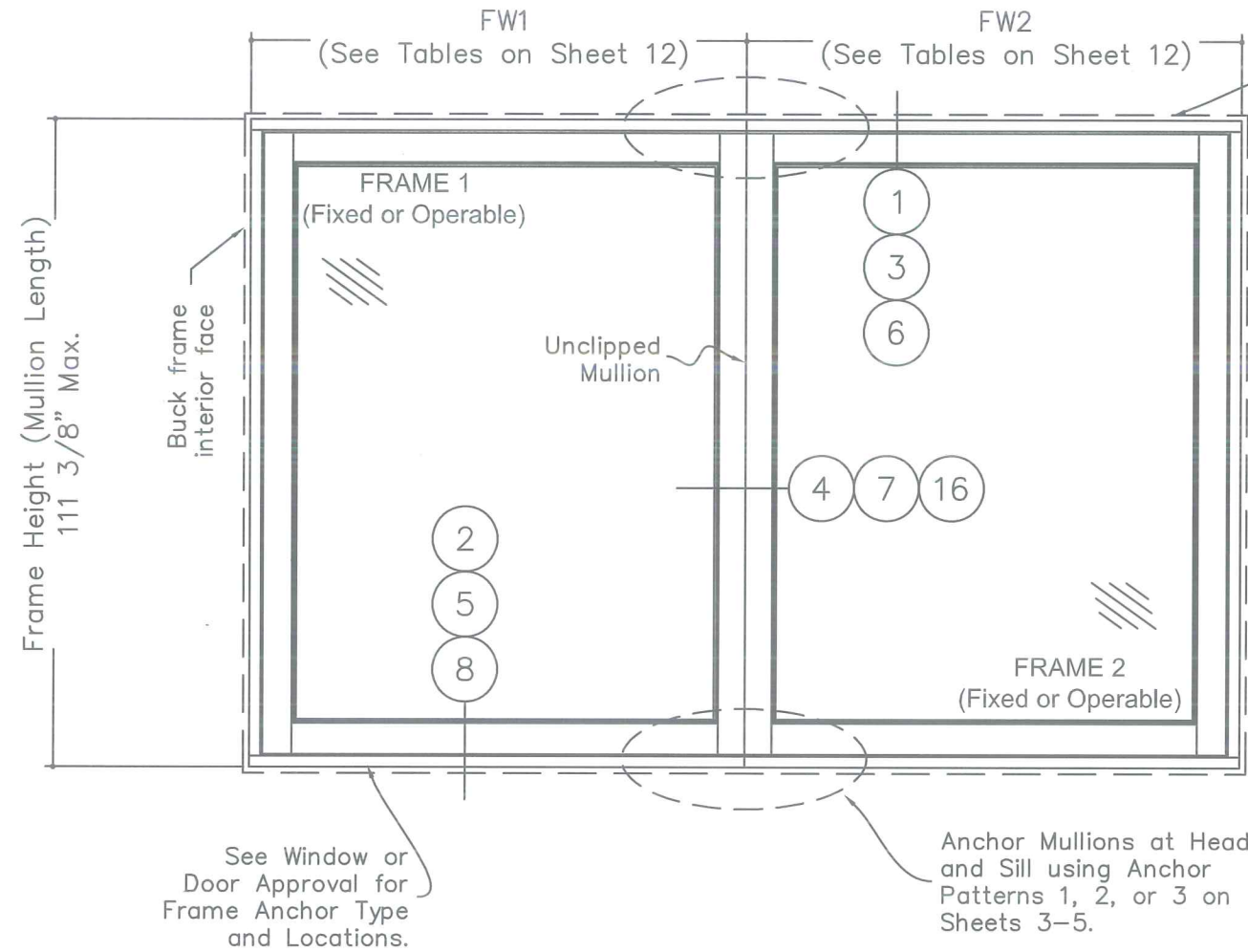


UNCLIPPED VERTICAL MULLION
(SEE SHEET 2 FOR HORIZONTAL MULLION)



See Window
or Door Approval
for Frame Anchor
Type and Locations.

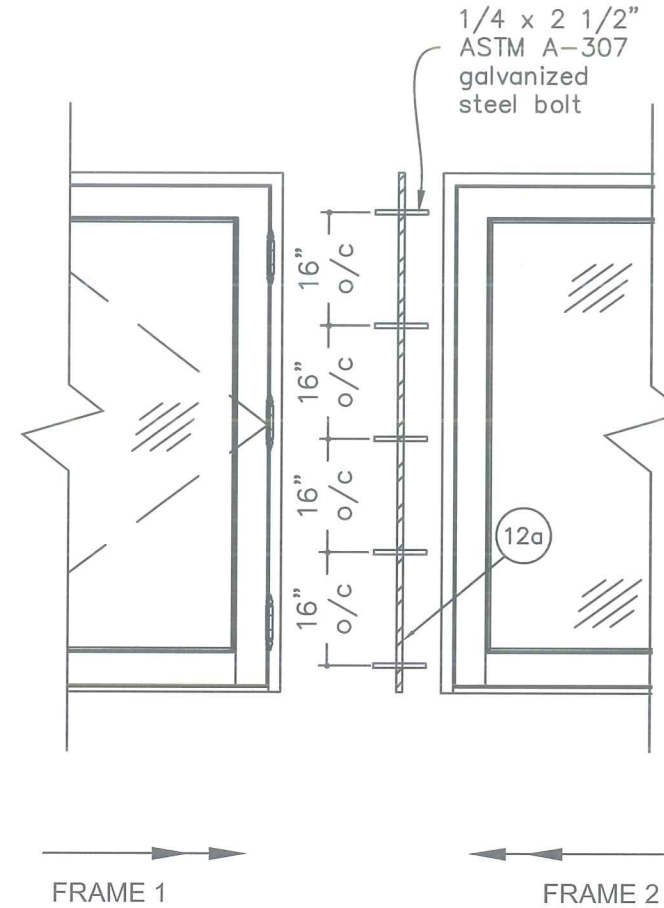
DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure: -68 psf
NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

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

VIEWED FROM THE
OUTSIDE
WOOD: Mahogany

GENERAL NOTES:

- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
- 2- THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS 201,202, & 203 FOR LARGE MISSILE IMPACT RESISTANCE. SHUTTERS ARE NOT 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 $C_d = 1.6$ 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 REQUIREMENTS.



JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9801	Page: 1/12

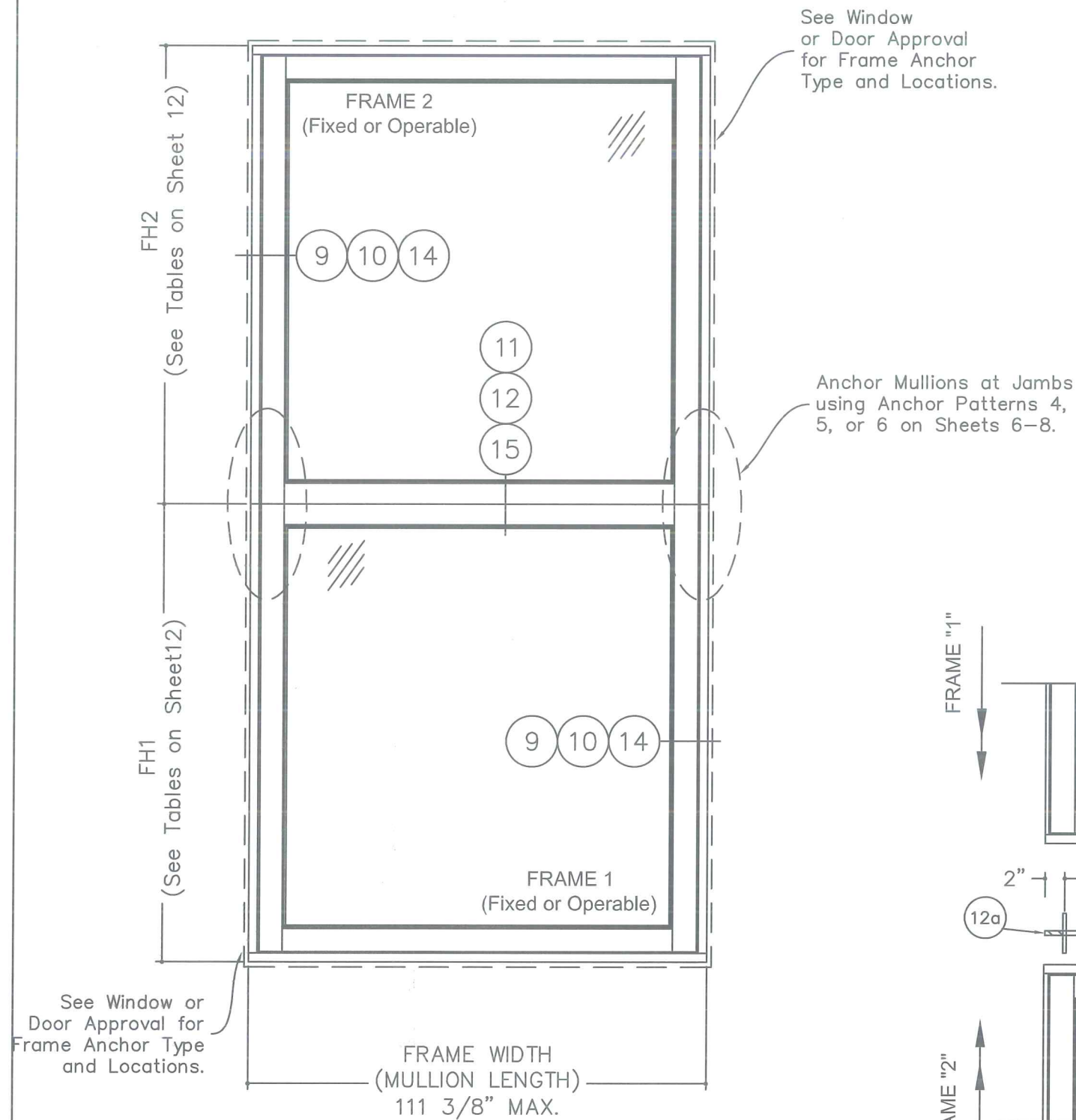
STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS
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PH/FAX:(561) 225-1982



UNCLIPPED HORIZONTAL MULLION (SEE SHEET 1 FOR VERTICAL MULLION)

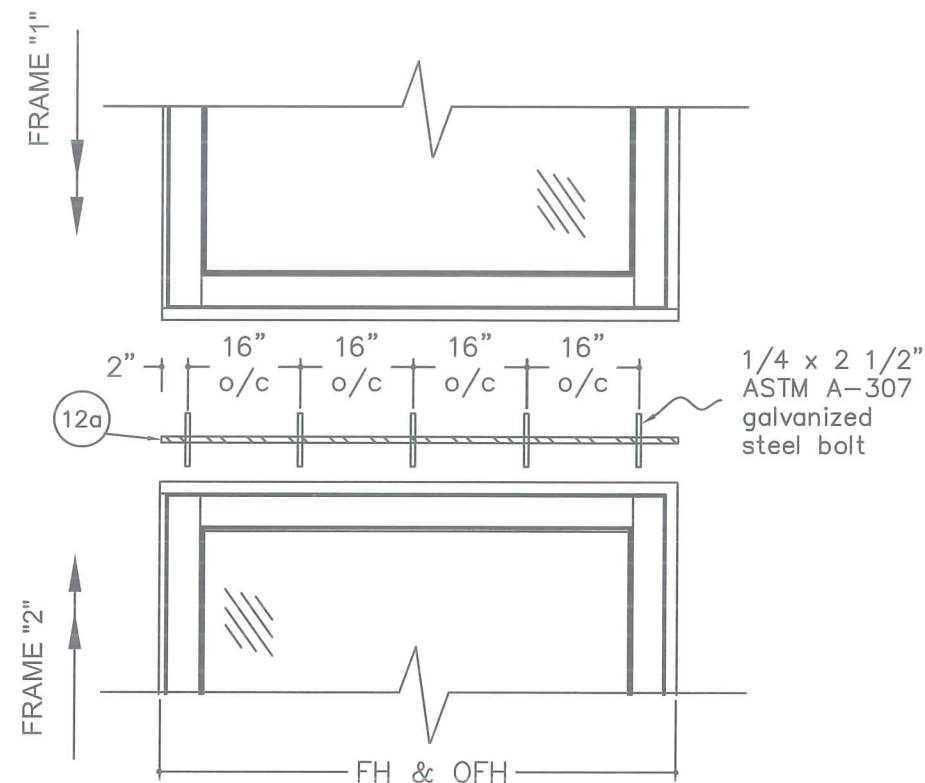


DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure -68 psf
NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
NOTE: This unit will not need a hurricane protective system.

UNCLIPPED MULLION HORIZONTAL INSTALLATION INSIDE/OUTSIDE CONFIGURATION

VIEWED FROM THE
OUTSIDE
WOOD: Mahogany

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



JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

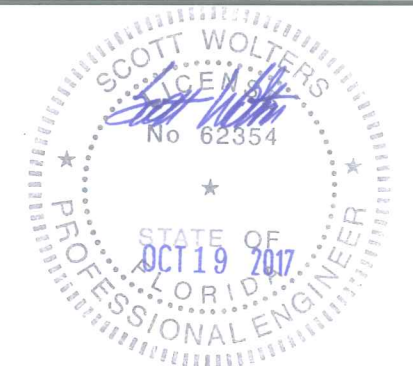
Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9802	Page: 2/12

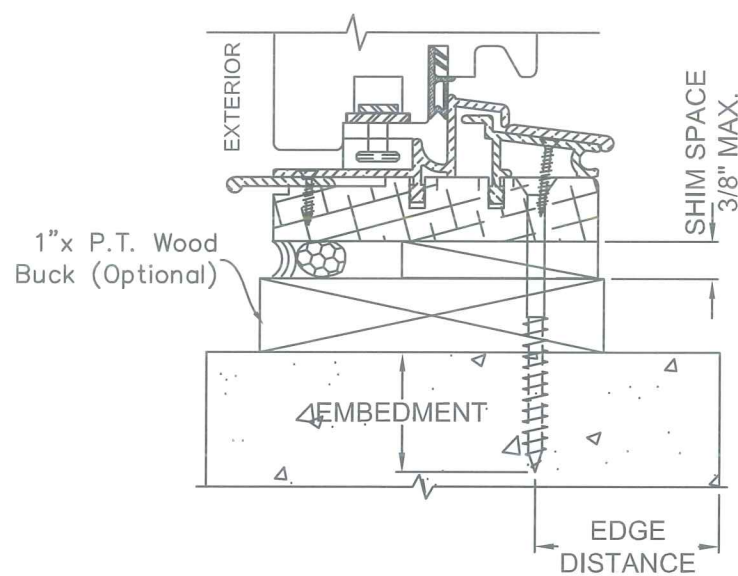
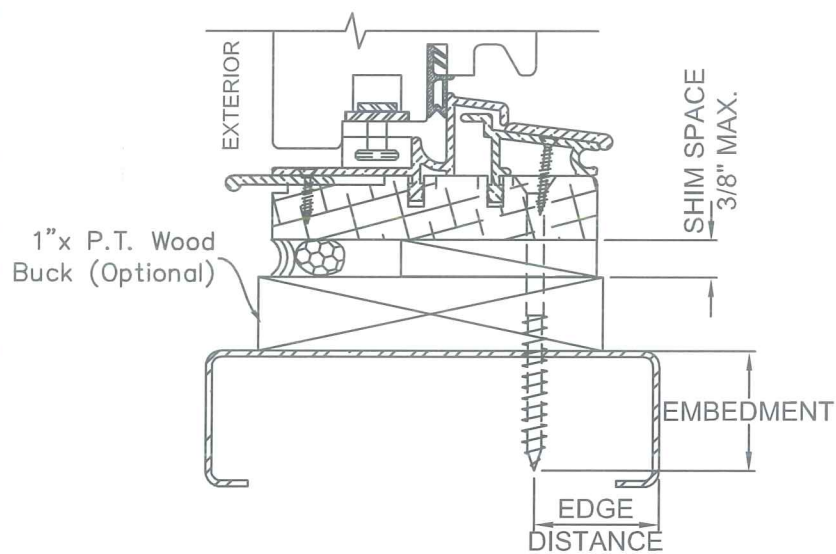
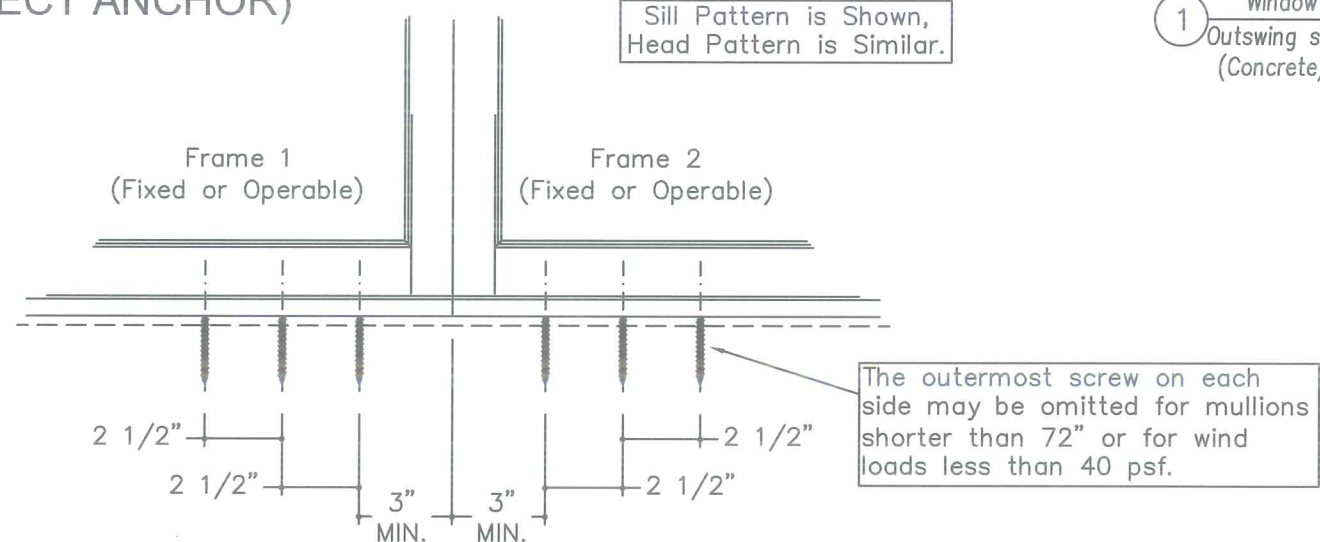
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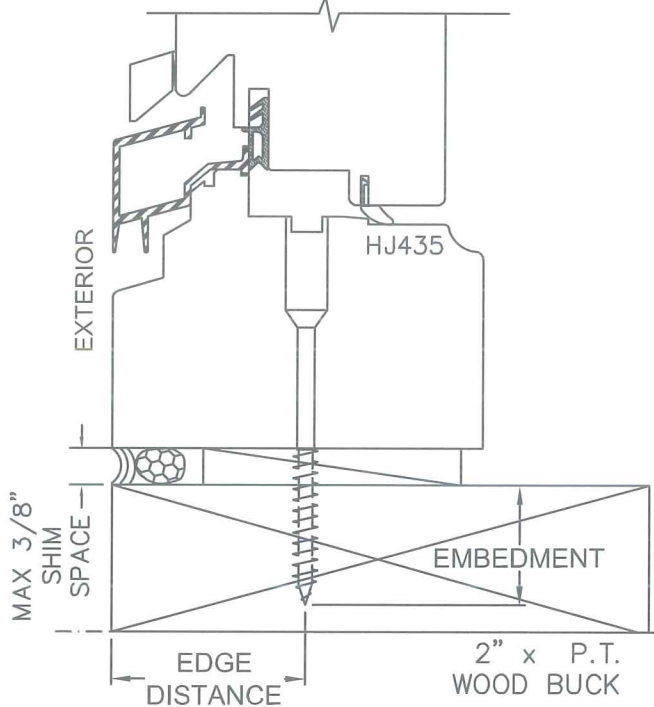
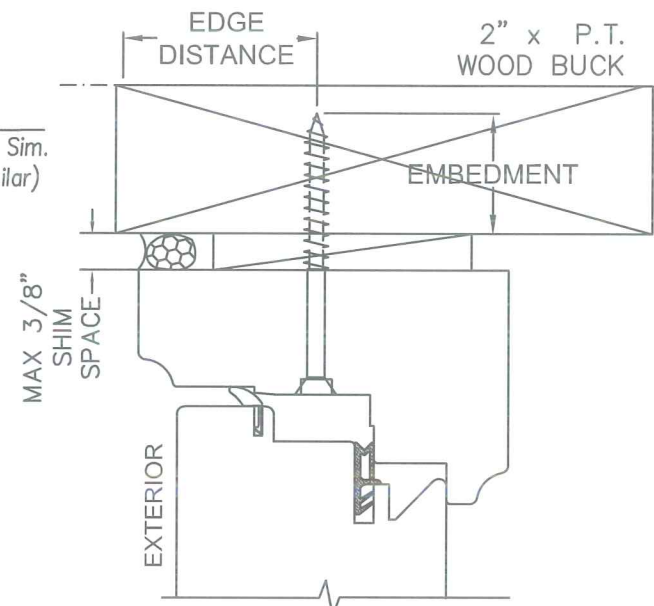
ANCHOR PATTERN 1: (DIRECT ANCHOR)



2 Window or Door Sill (Steel or Alum.)
Outswing shown. Fixed & Inswing Sim.

2 Window or Door Sill (Concrete/CMU)
Outswing shown. Fixed & Inswing Sim.

1 Window or Door Head (Wood)
Outswing shown, Fixed & Inswing Sim.
(Concrete/Metal Details Are Similar)



2 Window or Door Sill (Wood)
Inswing shown, Fixed & Outswing Sim.

mq
WINDOWS
OF EUROPE AND
THE AMERICAS

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

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9803	Page: 3/12

STRUCTURALLY REVIEWED BY:

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Anchor Requirements Table

Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			From corner	On center				Into buck/ concrete/stud	Into unit frame
Anchor pattern 1 (Direct anchor)	2x_ wood buck	Through the unit frame into the wood buck (S.G.=0.5 min): (6) #14 x 2 3/4" wood screw.	3"	2 1/2"	7/8"	----	1"	1 1/4"	----
	1x_ wood buck and concrete/cmu	Through the buck frame into concrete (f _c =2846 psi min) or cmu (ASTM C90 min): (6) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw.	3"	2 1/2"	1 "	2 1/2"	1 "	1 3/4"	----
	1x_ wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (6) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw.	3"	2 1/2"	1 "	1 "	1 "	Full*	----

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.

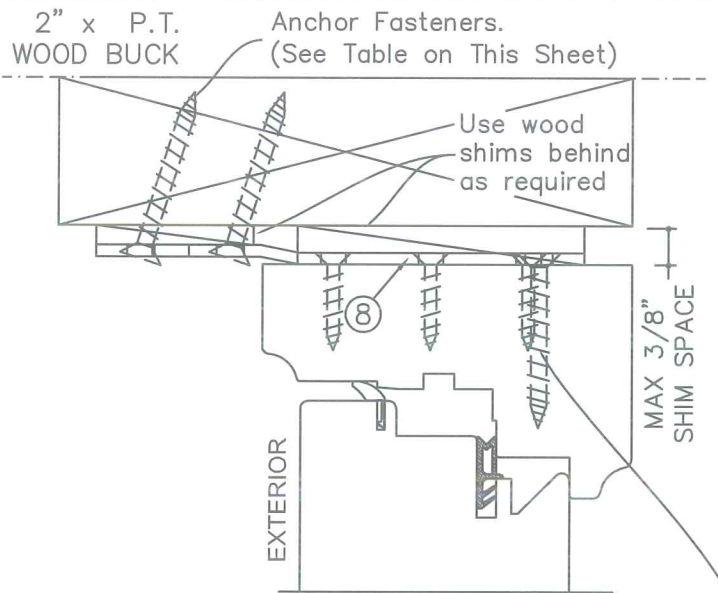
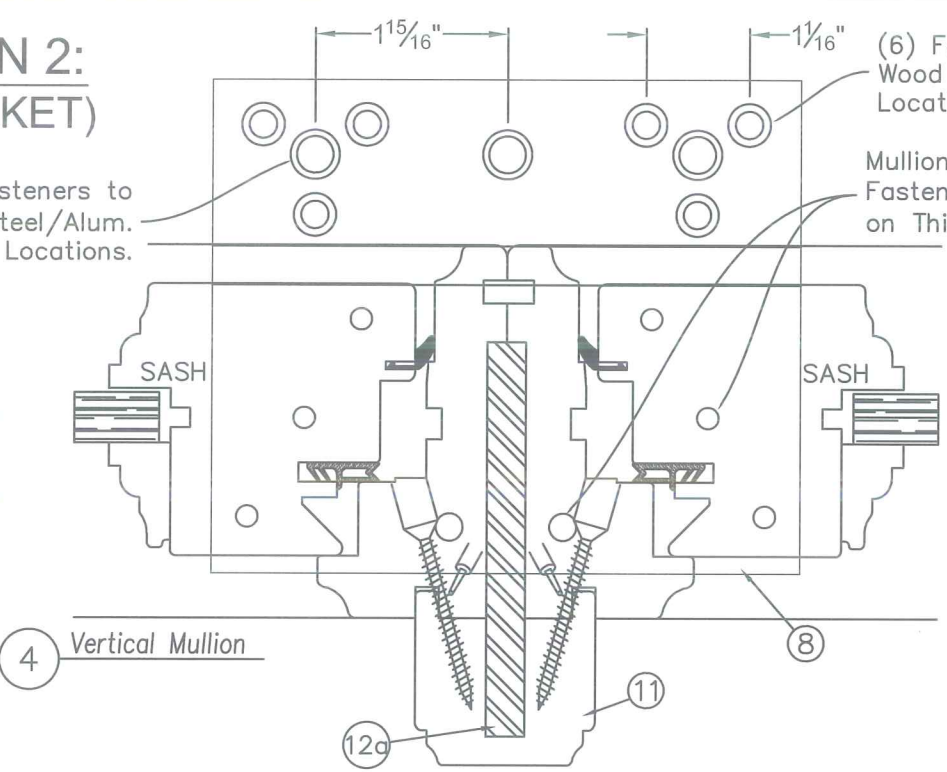
ANCHOR PATTERN 2: (PDF-JSMI-05D BRACKET)

(3) Fasteners to
Concrete/CMU or Steel/Alum.
Using These Locations.

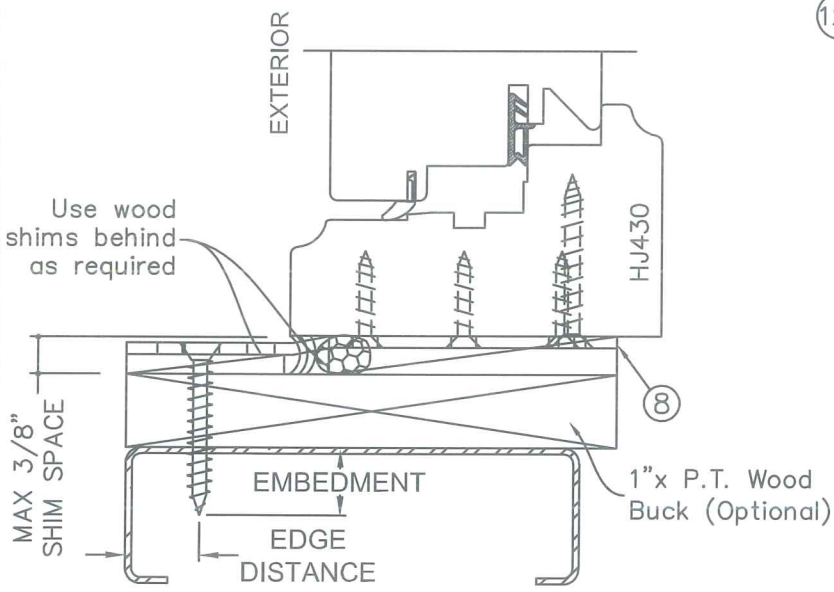
(6) Fasteners to
Wood Using These
Locations.

Mullion and Frame
Fasteners. (See Table
on This Sheet).

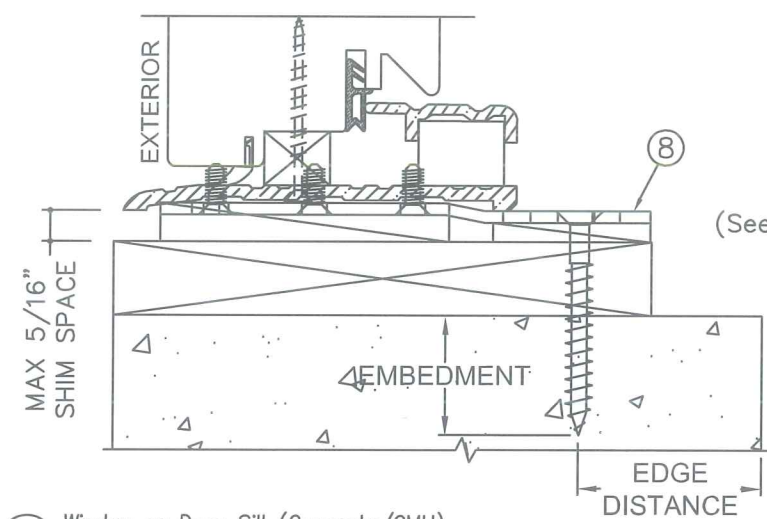
The PDF-JSMI-05D Mullion
Anchor Bracket may be
Anchored on either the
Interior or Exterior side of
Fixed, Inswing, or Outswing
Door or Window Frames.



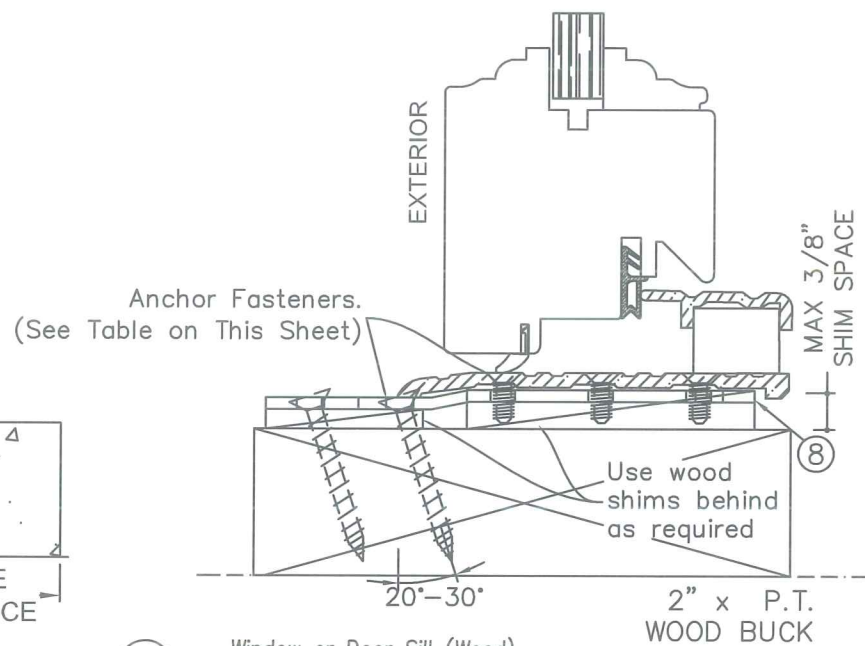
3 Window or Door Head (Wood)
Outswing shown, Fixed & Inswing Sim.
(Concrete/Metal Details Are Similar)



5 Window or Door Sill (Steel or Alum.)
Outswing shown, Fixed & Inswing Sim.



5 Window or Door Sill (Concrete/CMU)
Fixed shown, Inswing & Outswing Sim.



5 Window or Door Sill (Wood)
Outswing shown, Fixed & Inswing Sim.

Anchor Requirements Table

Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			From corner	On center				Into buck/ concrete/stud	Into unit frame
Anchor Pattern 2 (PDF-FS-05/D Installation Bracket)	Mullion and Door/ Window Frame	To the mullion: (2) #12 x 1 1/2" (a.T.) wood screws. To the unit frames: (6) #10 x 1" a.T. wood screws.	-	-	----	----	3/4"	-----	1 1/2"
	Aluminum/Bronze Thresholds	To the threshold: (6) #12 x 5/8" FHSM Screws.	-	-	----	----	3/4"	----	Full*
	2x wood buck	To the wood buck: (6) #12 x 1 1/2" (a.T.) wood screws.	1/2"	1 1/16"	7/8"	----	1 "	1 1/4"	----
	1x wood buck and concrete/cmu	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (3) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw.	3/4"	1 15/16"	1 "	2 1/2"	----	1 3/4"	----
	1x wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (3) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw.	3/4"	1 15/16"	1 "	1 "	----	Full*	----

* At metal studs, fastener threads
must be fully engaged, with three
threads minimum beyond the stud
wall, for full embedment.

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

WINDOWS
OF EUROPE AND
THE AMERICAS

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

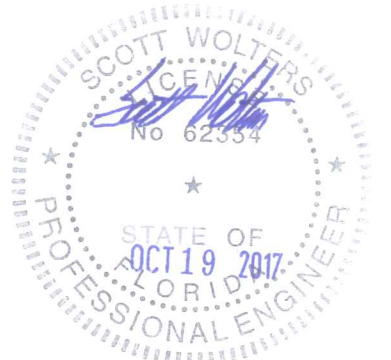
Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9804	Page: 4/12

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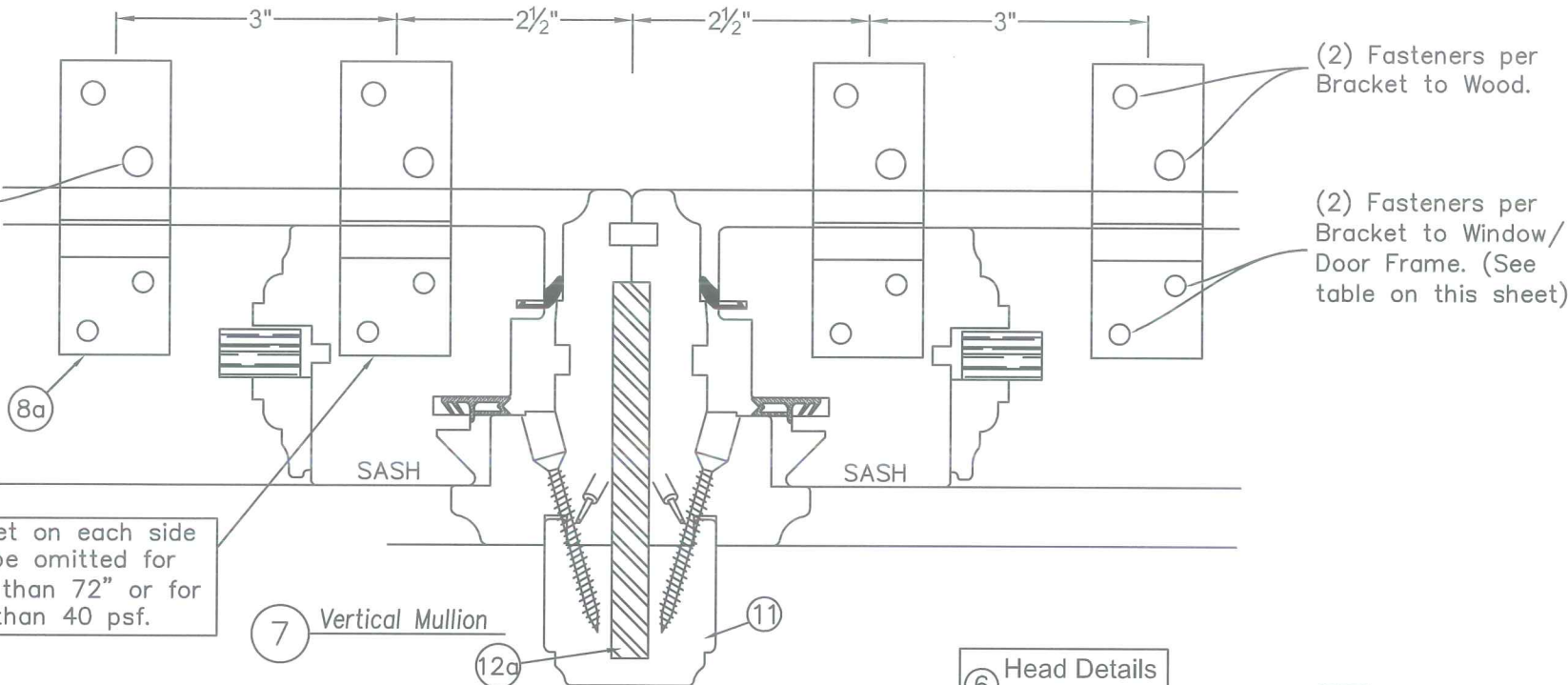


ANCHOR PATTERN 3:
(PDF-FS-05/D BRACKETS)

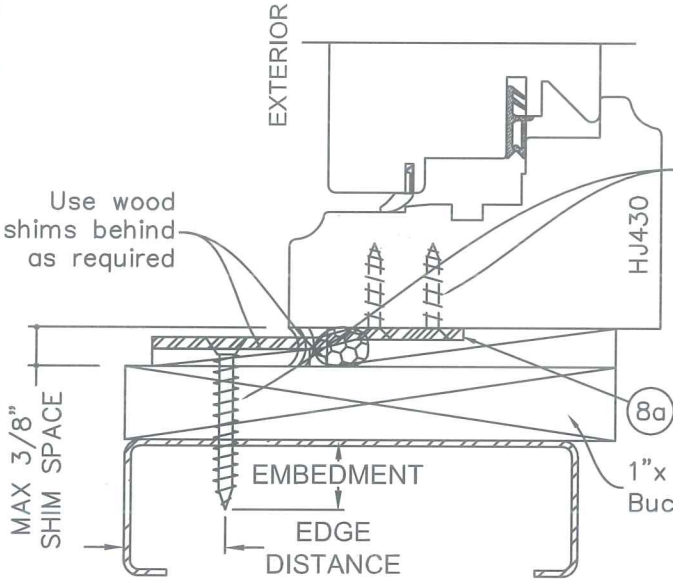
(1) Fastener per bracket to
Concrete/CMU or Steel/Alum.
Using This Location.

The PDF-FS-05/D Mullion
Anchor Brackets may be
Anchored on either the
Interior or Exterior side of
Fixed, Inswing, or Outswing
Door or Window Frames.

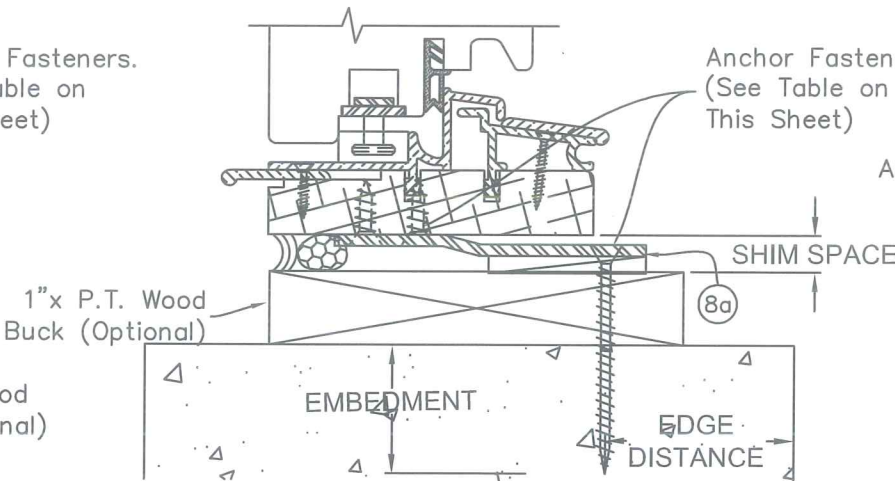
The inside bracket on each side
of mullion may be omitted for
mullions shorter than 72" or for
wind loads less than 40 psf.



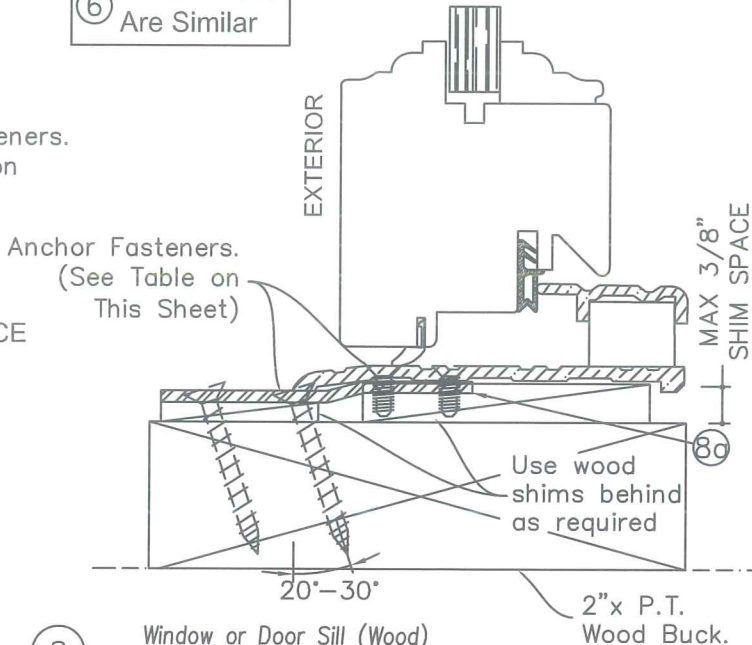
⑥ Head Details
Are Similar



⑧ Window or Door Sill (Steel or Alum.)
Outswing shown, Fixed & Inswing Sim.



⑧ Window or Door Sill (Concrete/CMU)
Outswing shown, Fixed & Inswing Sim.



⑧ Window or Door Sill (Wood)
Outswing shown, Fixed & Inswing Sim.

Anchor Requirements Table

Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing	Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			On center From corner				Into buck/ concrete/stud	Into unit frame
Anchor Pattern 3 (PDF-FS-05/D Installation Brackets)	Mullion and Door/ Window Frame	To the unit frames: (2) #10 x 1" a.T. wood screws per bracket.	13/16"	-----	-----	3/4"	-----	1"
	Aluminum/Bronze Thresholds	To the threshold: (2) #12 x 5/8" FHSM Screws per bracket.	7/8"	-----	-----	3/4"	-----	Full*
	2x_ wood buck	To the wood buck: (2) #12 x 1 1/2" (a.T.) wood screws per bracket.	1 1/16"	7/8"	-----	1"	1 1/4"	-----
	1x_ wood buck and concrete/cmu	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (1) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw per bracket.	3"	1"	2 1/2"	-----	1 3/4"	-----
	1x_ wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw per bracket.	3"	1"	1"	-----	Full*	-----

* At metal studs, fastener threads
must be fully engaged, with three
threads minimum beyond the stud
wall, for full embedment.

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

mq
WINDOWS
OF EUROPE AND
THE AMERICAS

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9804	Page: 5/12

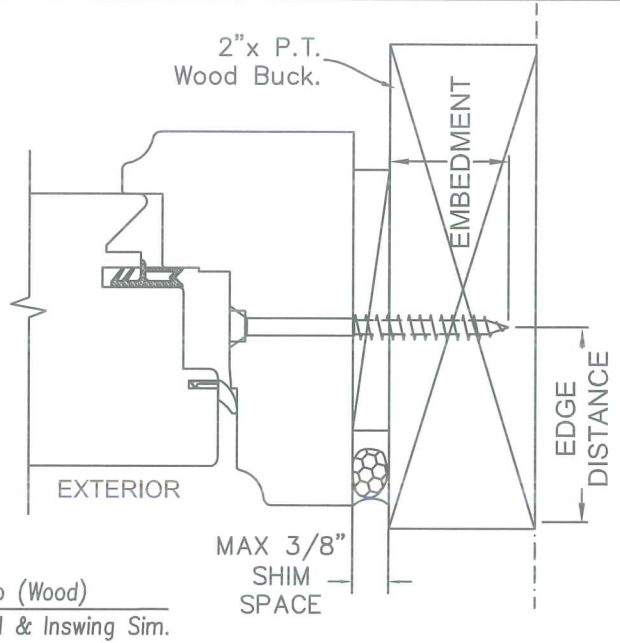
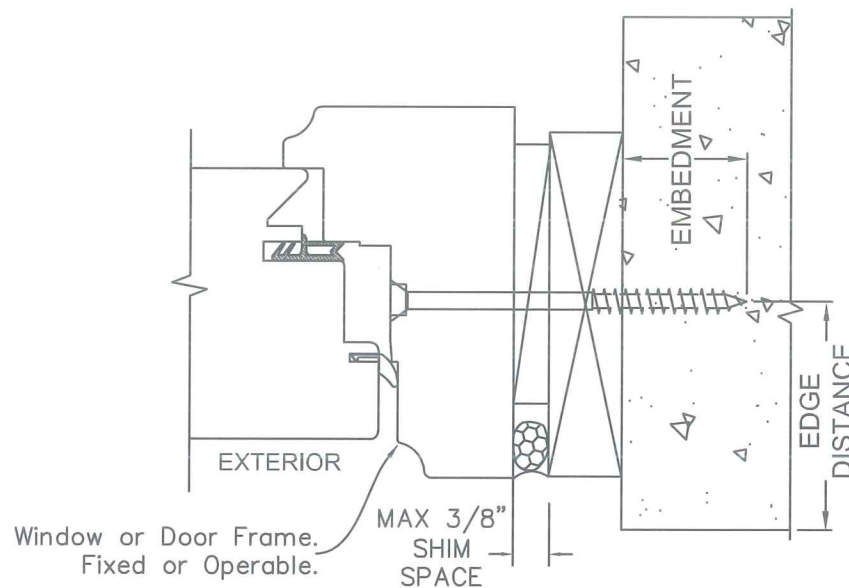
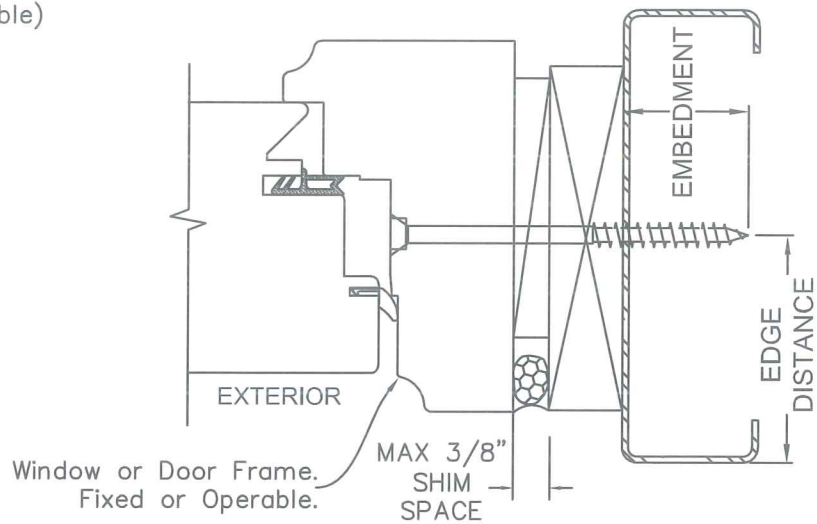
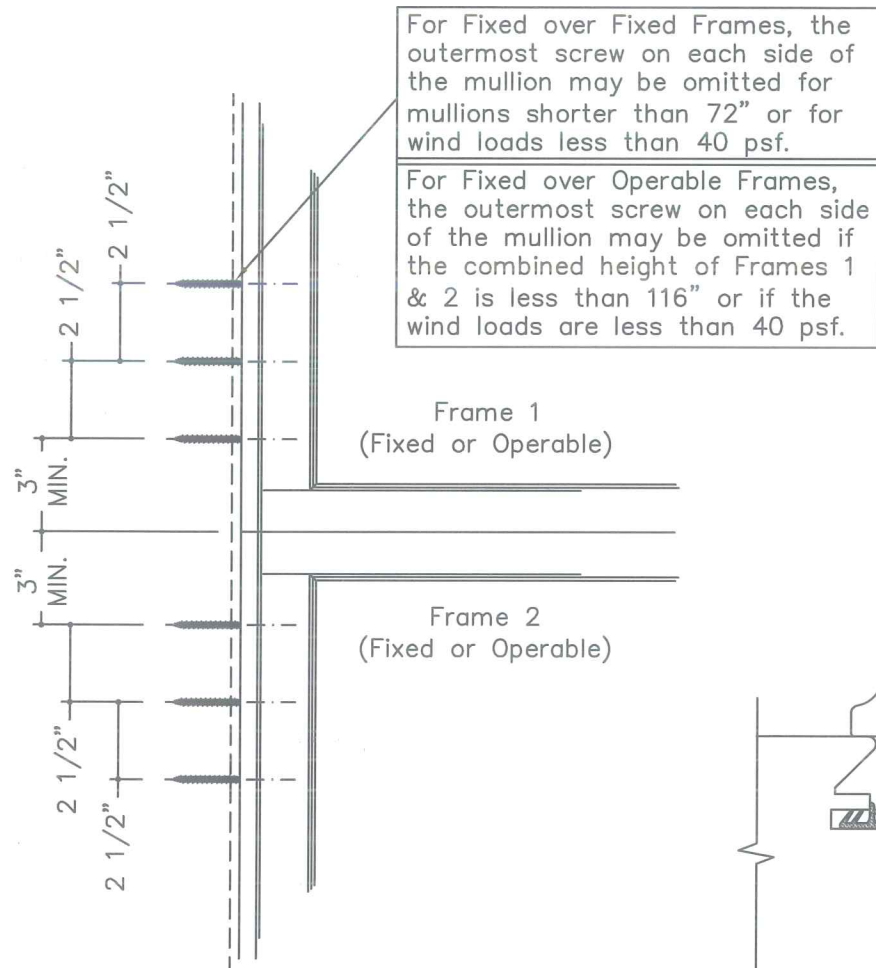
STRUCTURALLY REVIEWED BY:

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WOLTERS ENGINEERING
(COA# 27194)
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PH/FAX:(561) 225-1982



ANCHOR PATTERN 4: (DIRECT ANCHOR)



Anchor Requirements Table

Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			From corner	On center				Into buck/ concrete/stud	Into unit frame
Anchor pattern 4 (Direct anchor)	2x_ wood buck	Through the unit frame into the wood buck (S.G.=0.5 min): (6) #14 x 2 3/4" wood screw.	3"	2 1/2"	7/8"	----	1"	1 1/4"	----
	1x_ wood buck and concrete/cmu	Through the buck frame into concrete (f _c =2846 psi min) or cmu (ASTM C90 min): (6) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw.	3"	2 1/2"	1"	2 1/2"	1"	1 3/4"	----
	1x_ wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (6) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw.	3"	2 1/2"	1"	1"	1"	Full*	----

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.

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

mq

WINDOWS
OF EUROPE AND
THE AMERICAS

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

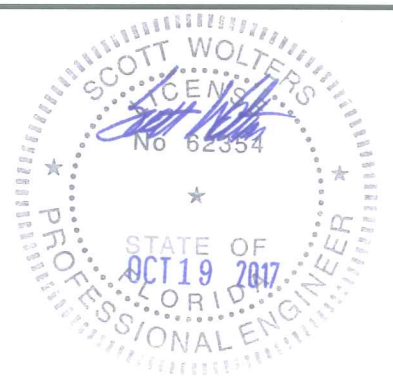
Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9803	Page: 6/12

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ANCHOR PATTERN 5:
(PDF-JSMI-05D BRACKET)

The PDF-JSMI-05D Mullion Anchor Bracket may be Anchored on either the Interior or Exterior side of Fixed, Inswing, or Outswing Door or Window Frames.

(6) Fasteners to Wood Using These Locations.

(3) Fasteners to Concrete/CMU or Steel/Alum. Using These Locations.

11 Horizontal Mullion

Anchor Fasteners.
(See Table on This Sheet)

10 Window or Door Jamb (Steel/Alum.)
Inswing shown, Fixed & Outswing Sim.

10 Window or Door Jamb (Wood)
Inswing shown, Fixed & Outswing Sim.

Anchor Fasteners.
(See Table on This Sheet)

Anchor Fasteners.
(See Table on This Sheet)

10 Window or Door Jamb (Concrete/CMU)
Inswing shown, Fixed & Outswing Sim.

Anchor Requirements Table

Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing	Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			From corner / On center				Into buck/concrete/stud	Into unit frame
Anchor Pattern 5 (PDF-JSMI-05D Installation Bracket)	Mullion and Door/Window Frame	To the mullion: (2) #12 x 1 1/2" (a.T.) wood screws. To the unit frames: (6) #10 x 1" a.T. wood screws.	-	-----	-----	3/4"	-----	1 1/2"
	2x_ wood buck	To the wood buck: (6) #12 x 1 1/2" (a.T.) wood screws.	1/2" / 1 1/16"	7/8"	-----	1 "	1 1/4"	-----
	1x_ wood buck and concrete/cmu	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (3) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw.	3/4" / 1 15/16"	1 "	2 1/2"	-----	1 3/4"	-----
	1x_ wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (3) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw.	3/4" / 1 15/16"	1 "	1 "	-----	Full*	-----

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.



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

WINDOWS
OF EUROPE AND
THE AMERICAS

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

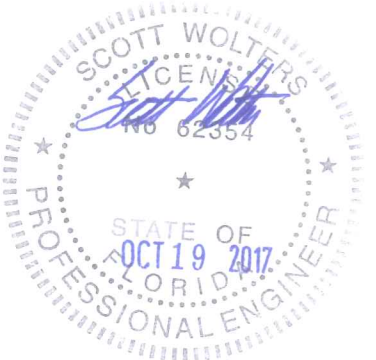
Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9804	Page: 7/12

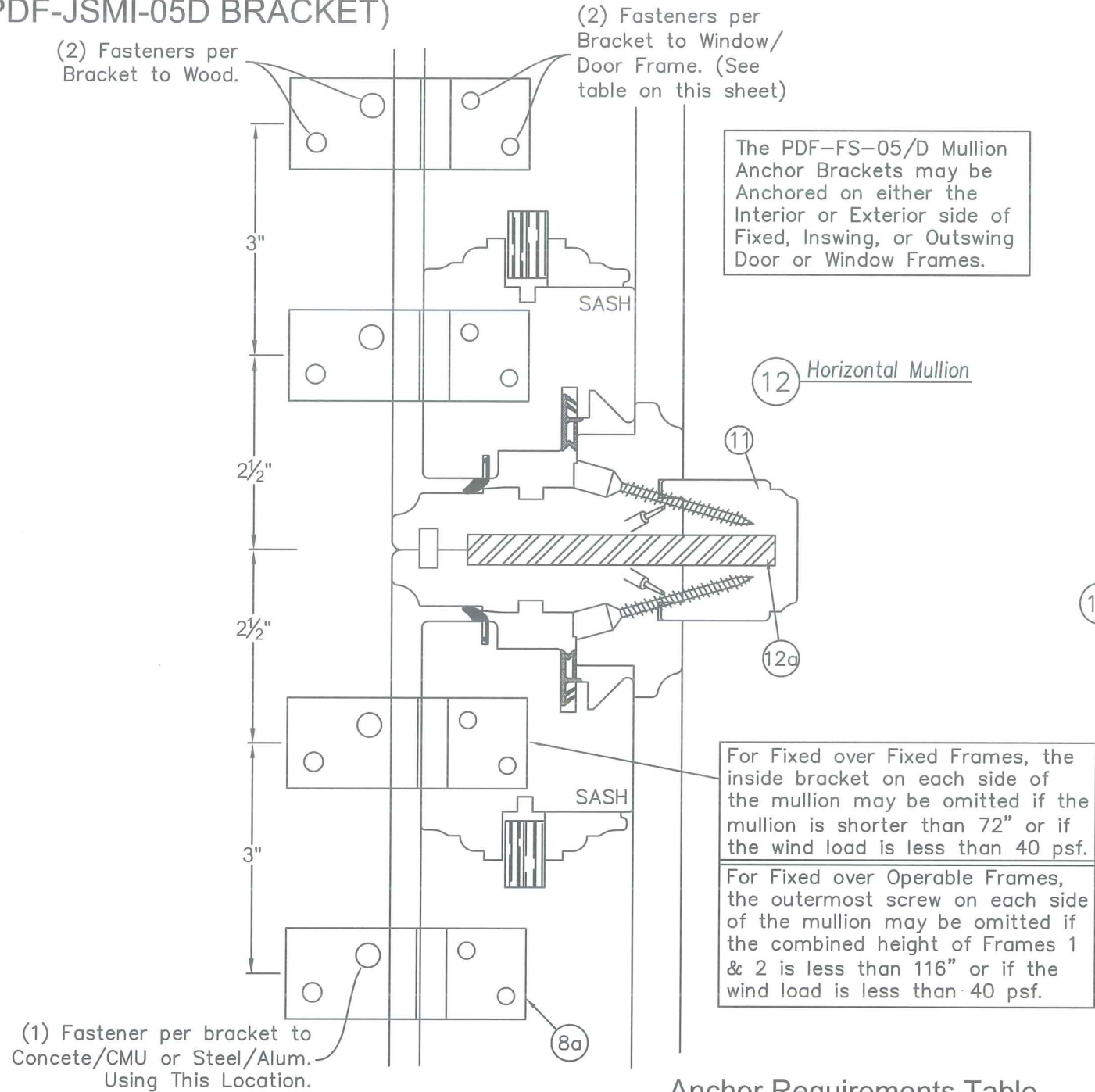
STRUCTURALLY REVIEWED BY:

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FL PE# 62354

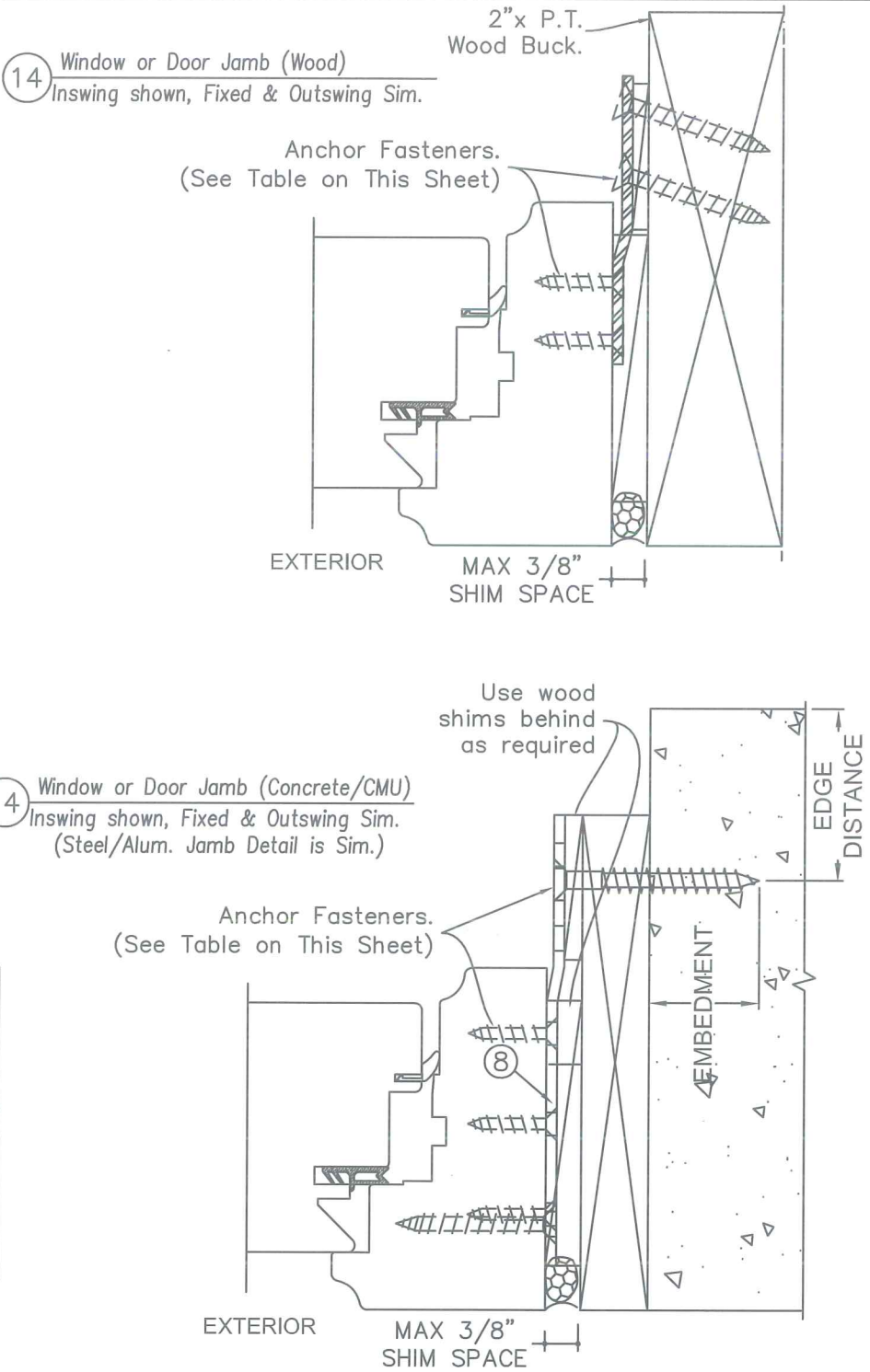
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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ANCHOR PATTERN 6:
(PDF-JSMI-05D BRACKET)



Anchor Requirements Table



Anchoring Method	Substrate	Fasteners type, size & embedment	Spacing	Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
			On center From corner				Into buck/ concrete/stud	Into unit frame
Anchor Pattern 6 (PDF-FS-05/D Installation Bracket)	Mullion and Door/ Window Frame	To the unit frames: (2) #10 x 1" a.T. wood screws per bracket.	13 1/16"	-----	-----	3/4"	-----	1 1/2"
	2x_ wood buck	To the wood buck: (2) #12 x 1 1/2" (a.T.) wood screws per bracket.	1/2" 7/8"	7/8"	-----	1"	1 1/4"	-----
	1x_ wood buck and concrete/cmu	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (1) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw per bracket.	3"	1"	2 1/2"	-----	1 3/4"	-----
	1x_ wood buck and steel or alum.	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (1/8", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw per bracket.	3"	1"	1"	-----	Full*	-----

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.



JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/14/16
File: DJS-M9804	Page: 8/12

STRUCTURALLY REVIEWED BY:

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JS SERIE

UNCLIPPED MULLION

MIAMI DADE COUNTY

Drawing no.: MQJS-MULL	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9806	Page: 9/12

STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS

FL PE# 62354

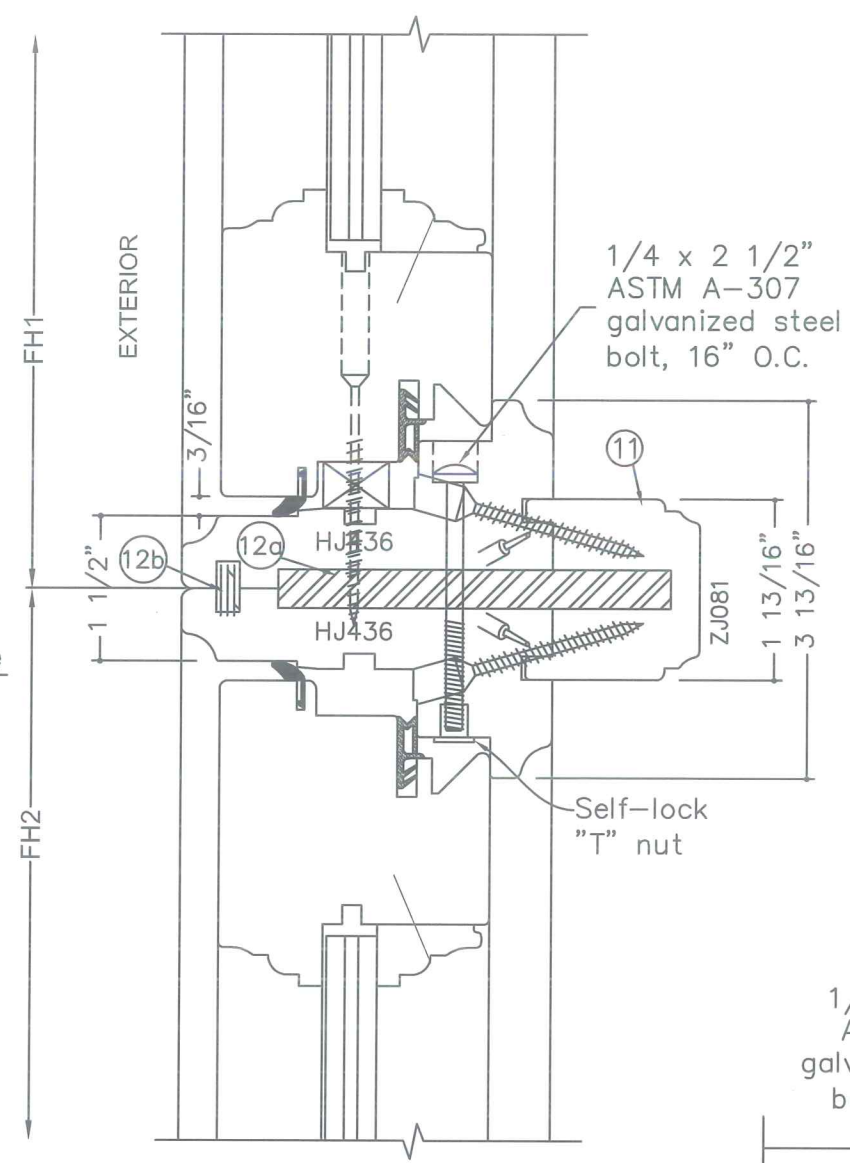
WOLTERS ENGINEERING

(COA# 27194)

15211 97TH ROAD N

WEST PALM BEACH, FL 33412

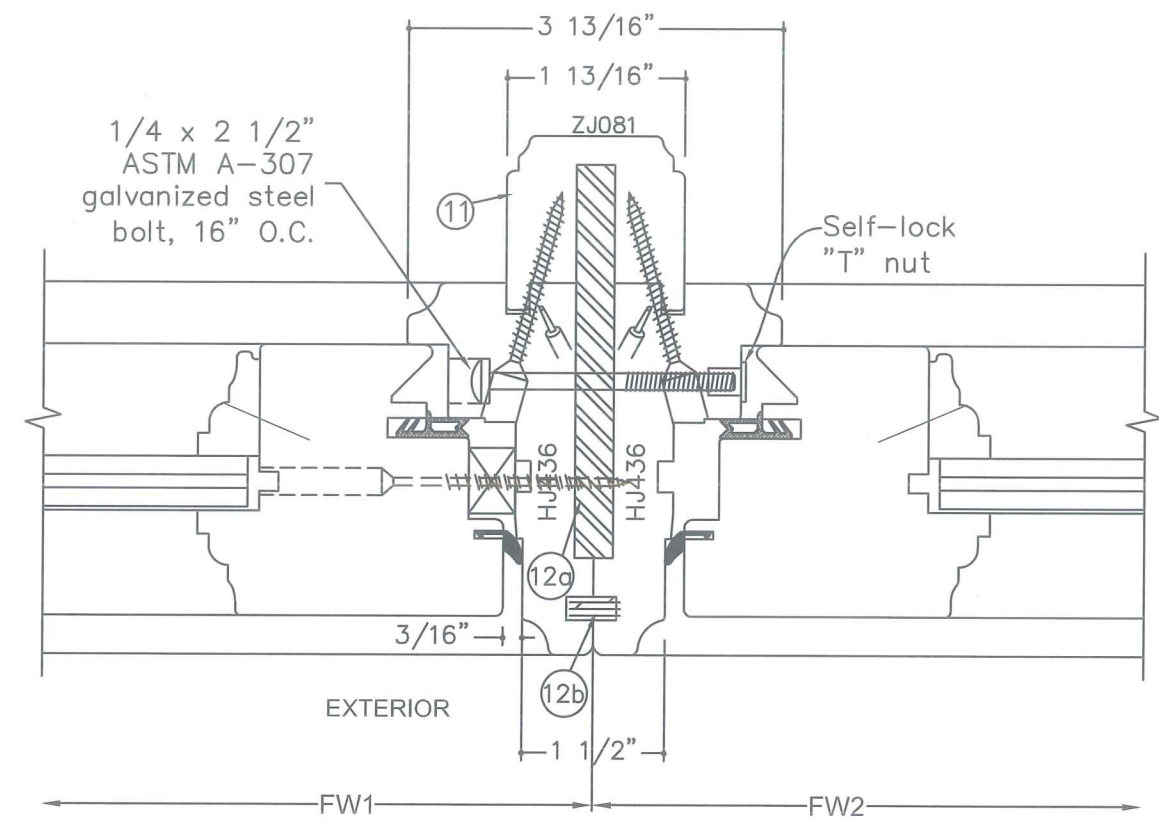
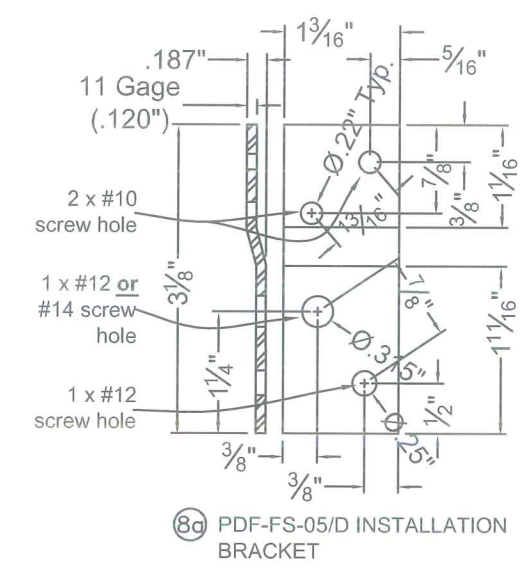
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15

Horizontal Mullion, Fixed over Operable

Outswing shown. Other configurations are Similar.



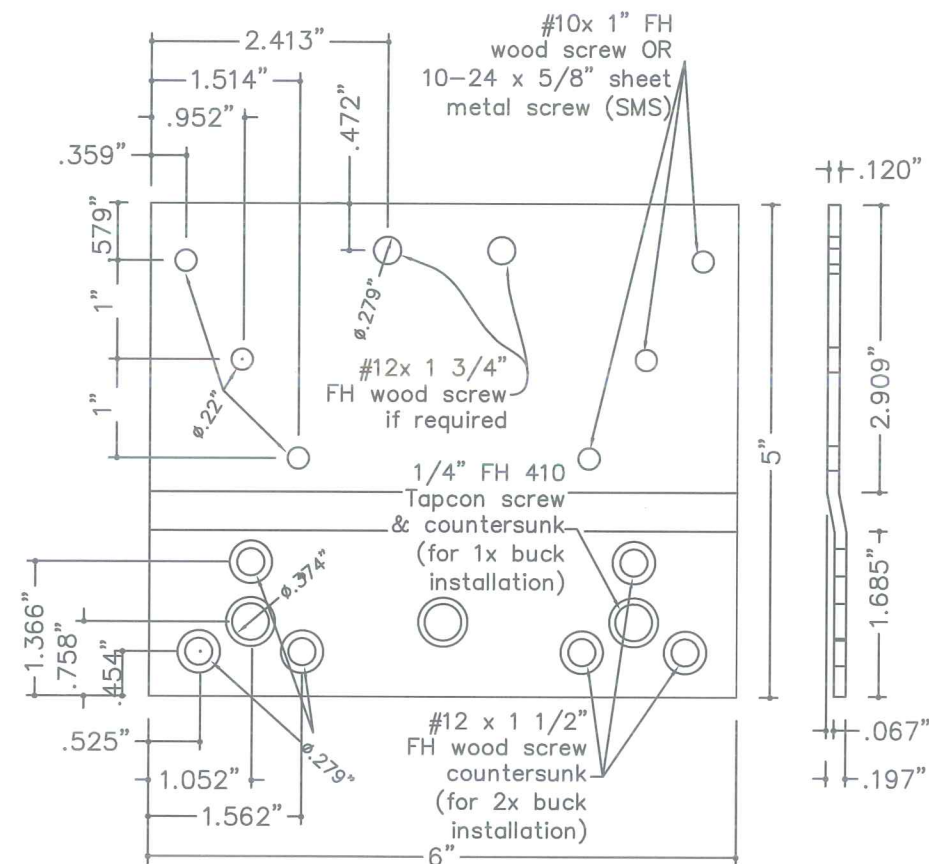
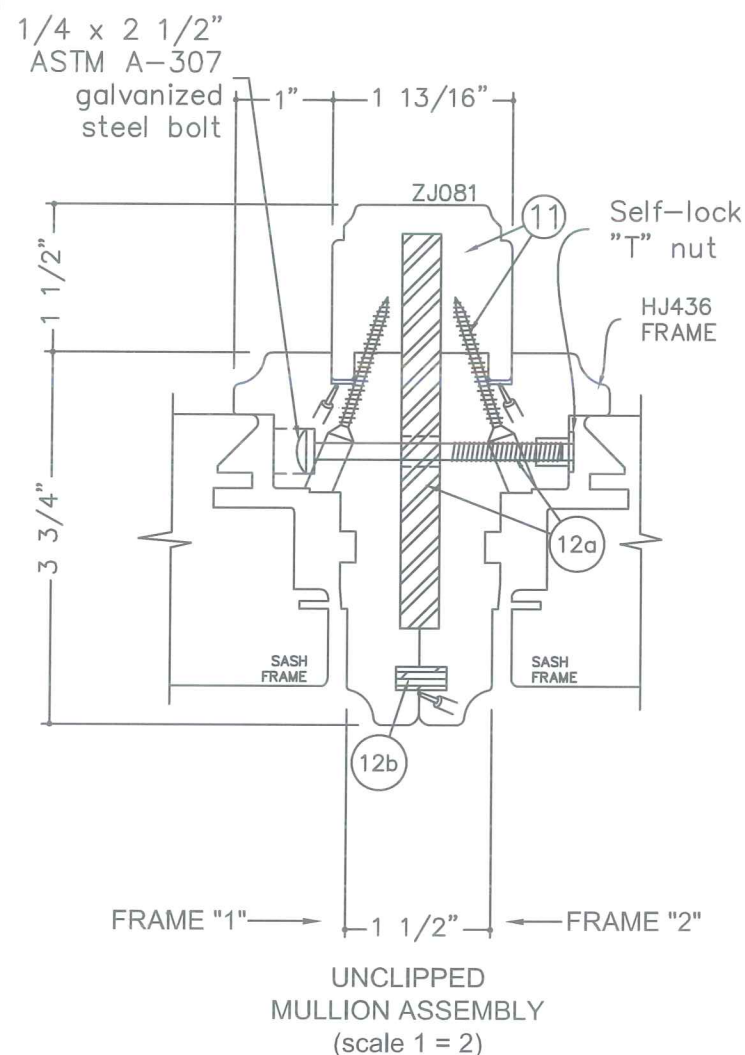
16

Vertical Mullion, Fixed/Operable

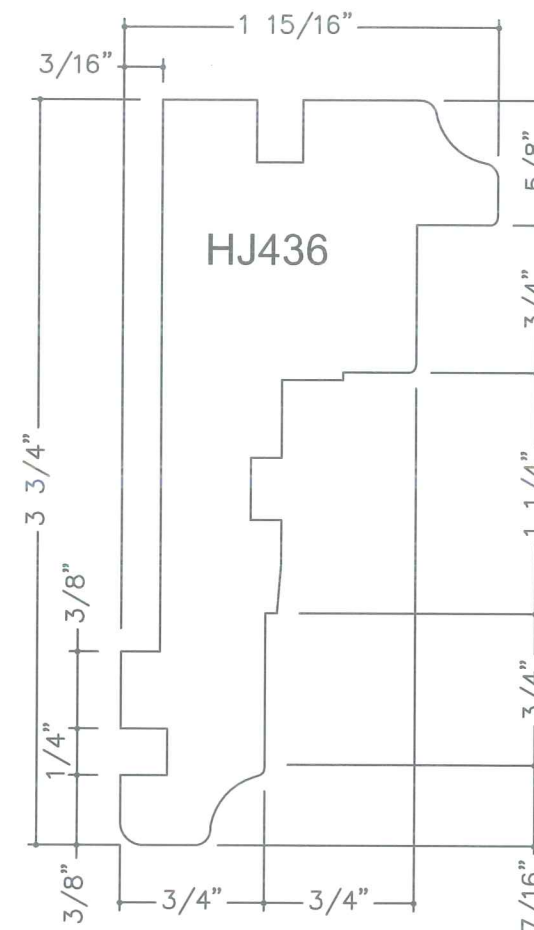
Outswing shown. Other configurations are Similar.

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

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



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



(scale 1 = 1)



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

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9807	Page: 10/12

STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS
FL PE# 62354

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BILL OF MATERIALS

REF.	QTY	Component	DESCRIPTION	MATERIAL	DIMENSIONS	MEAN OF ATTACHMENT	LOCATION
⑧	One per end	Instal- lation	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
⑧a	(4) per end	Instal- lation	PDF-FS-05/D Mullion bracket	Galv. Steel	1 3/16" x 3/8" x 0.120"t	See cross sections	2 1/2" & 5 1/2" to each side of mullion centerline.
⑪	1 per unclipped mullion	Mullion cap	ZJ081 wood mouding, used to hide the steel reinforcement	Maho- gany	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	Reinfor- cement	Al1299, Galvanized Steel AISI C1020, Cold drawn, yield point 47,000 psi	Galv. Steel	3/8"(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



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

JS SERIE
UNCLIPPED MULLION
MIAMI DADE COUNTY

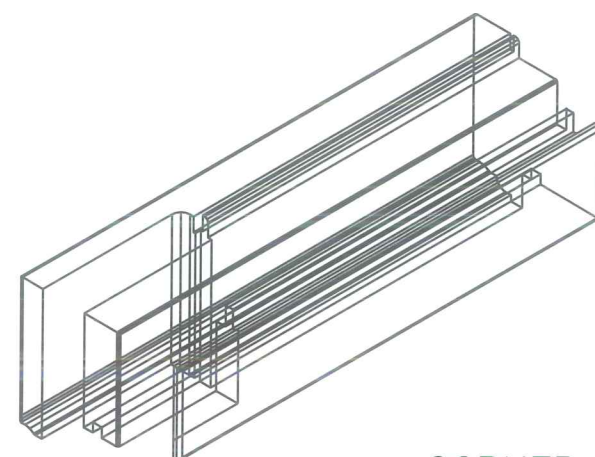
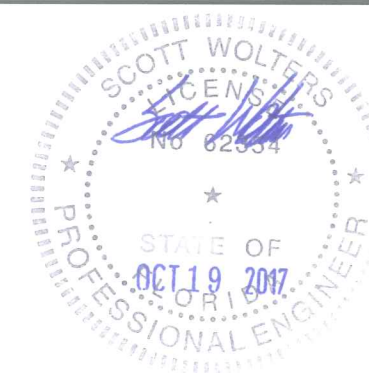
Drawing no.: MQJS-MULL

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 12/15/16
File: DJS-M9807	Page: 11/12

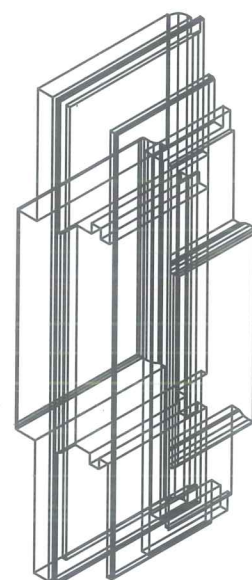
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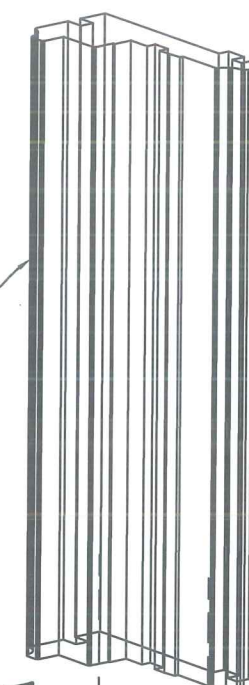
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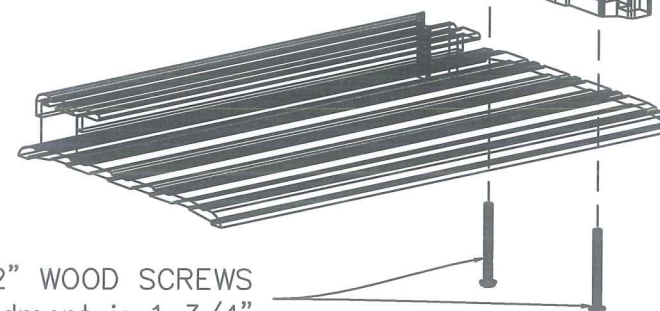
CORNER
ASSEMBLY
(MULTI-FORK)



FRAME JAMB
HJ-436



ALUMINUM FLAT
SILL ASSEMBLY



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

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

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 11/16	64	64
72 3/4	68	68
72 1/2	70	70
72 7/16	72	72

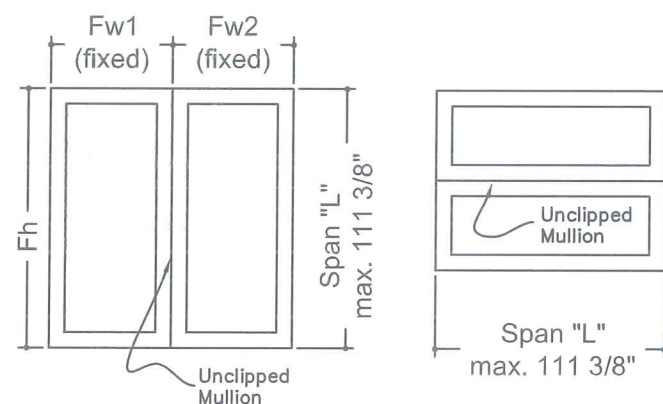


TABLE 2
VERTICAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION

VERTICAL SPAN "L" (in)	MAX FIXED WIDTH (1) FW1 (in)	MAX OPERABLE WIDTH (2) FW2 (in)
111 3/8	42	76 3/4
108 1/8	46	76 3/4
102 1/2	47	76 3/4
97 3/4	48	76 3/4
93 7/8	49	76 3/4
90 3/4	50	76 3/4
88	51	76 3/4
85 5/8	52	76 3/4
83 3/4	53	76 3/4
82	54	76 3/4
80 1/2	55	76 3/4
79 1/4	56	76 3/4
75 3/4	60	76 3/4
73 3/4	64	76 3/4
72 3/4	68	76 3/4
72 1/2	70	76 3/4
72	72	76 3/4

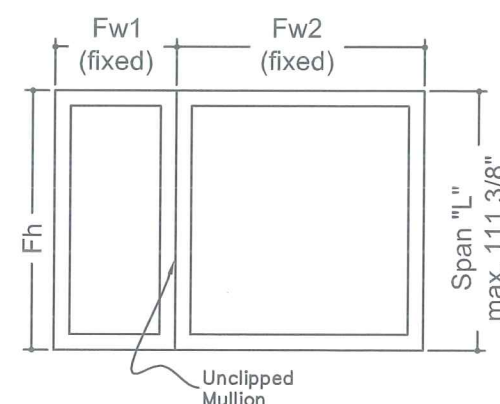
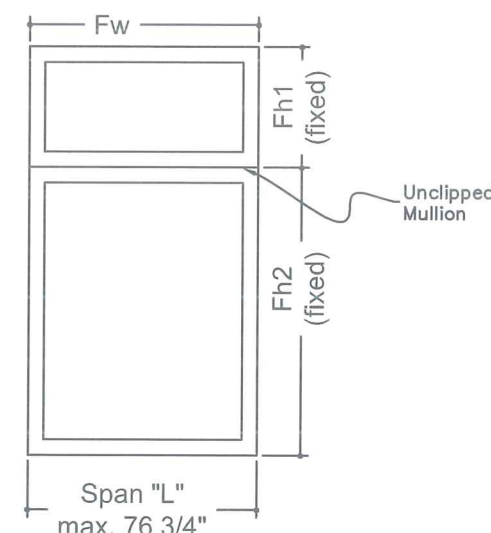


TABLE 3
HORIZONTAL
UNCLIPPED MULLION,
FIXED-OPERABLE
COMBINATION

HORIZONTAL SPAN "L" (in)	MAX FIXED HEIGHT FH1 (in)	MAX OPERABLE HEIGHT FH2 (in)
76 3/4	72 9/16	111 3/8
76 3/4	61 7/16	122 1/2
75	65 11/16	122 1/2
73 1/4	70 3/16	122 1/2
72 1/8	72 9/16	122 1/2



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-MULL

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 12/15/16

File: DJS-M9809 Page: 12/12

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