



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

M.Q. Windows, Inc.
1855 Griffin Road, Suite A-274,
Dania Beach 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 Inswing Tilt & Turn Wood Window – L. M. I.

APPROVAL DOCUMENT: Drawing No. **JS-TT-1**, titled "JS Serie Tilt & Turn Inswing Wood Windows Miami Dade County", sheets 1 through 7 of 7, dated 07/03/07 revised 12/18/08, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name and the following statement: "**Miami-Dade County Product Control Approved**".

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Fitz A. Harris, P.E.**

Fitz A. Harris
3/1/09



NOA No 08-0827.23
Expiration Date: March 25, 2014
Approval Date: March 25, 2009
Page 1

M.Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. JS-TT-1 titled "Serie Tilt & Turn Inswing Wood Windows Miami Dade County", sheets 1 through 7 of 7, dated 07/03/07, revised 12/18/08, prepared by Wolters Engineering, Inc., and sealed by Scott Wolters, P.E.

B. TESTS

1. Test report 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 Resistance Test per ASTM F588, FBC, TAS 202-94
along with marked-up drawings and installation diagram of JS Series Dual Action Inswing Window, prepared by Hurricane Test Laboratory, LLC., Test Report No. G118-1108-06, dated November 29, 2006, signed and sealed by Vinu J. Abraham, P.E.

C. QUALITY ASSURANCE

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

D. MATERIAL CERTIFICATIONS

None

E. CALCULATIONS

1. Anchor Calculations, and structural analysis complying with FBC, dated 08/25/08, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E.
Complies with ASTM E1300-98/02

F. STATEMENTS

1. Statement letter of Compliance and "No Financial Interest", dated 08/25/08, signed and sealed by Scott Wolters, P.E.

G. OTHER

None



Fitz A. Harris, P.E.

Product Control Examiner

NOA No 08-0827.23

Expiration Date: March 25, 2014

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TILT & TURN (DUAL ACTION)
WOOD WINDOWS, INSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE INSIDE

DESIGN PRESSURE APPLYING TO THIS PAGE
Acting inward: +65 psf Acting outward: -85 psf
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
Shutters are not required.

GENERAL NOTES:

- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE WITH 2005 SUPPLEMENT.
- 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 004 ch. 2326.2.4.

FOR ANCHOR SPACING, SEE ANCHOR REQUIREMENTS TABLE ON SHEET 4.

NOTE: Numbers in circle are referred to the bill of materials on sheet 5.

GLAZING TYPE TABLE
GLASS: SINGLE, LAMINATED
OPTION 1: 3/16"(AN)-0.090" PVB interlayer Saflex IIIIG by Solutia-3/16"(HS)
OPTION 2: 3/16"(HS)-0.090" PVB interlayer Saflex IIIIG by Solutia-3/16"(HS)
OPTION 3: 5/32"(AN)-0.075" Vanceva SG2 interlayer by Solutia-5/32"(AN)
GLASS: INSULATED, LAMINATED
OPTION 1a: 1" overall thickness. 3/16"(AN)-0.090" PVE interlayer Saflex IIIIG by Solutia-3/16"(HS); air space 0.377"; Interior 5/32"(AN).
OPTION 2a: 1" overall thickness. 3/16"(HS)-0.090" PVE interlayer Saflex IIIIG by Solutia-3/16"(HS); air space 0.377"; Interior 5/32"(AN).
OPTION 3a: 1" overall thickness. 5/32"(AN)-0.075" Vanceva SG2 interlayer by Solutia-5/32"(AN); air space 0.456"; Interior 5/32"(AN).
RAISED WOOD PANEL: (specific gravity of 0.59)
Max. DLO area: -Solid mahogany wood: Max. 7.81 sqf
NOTE: -See Glazing Details on sheet 5



1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

**JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-TT-1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 07/03/07 Date revised: 12/18/08

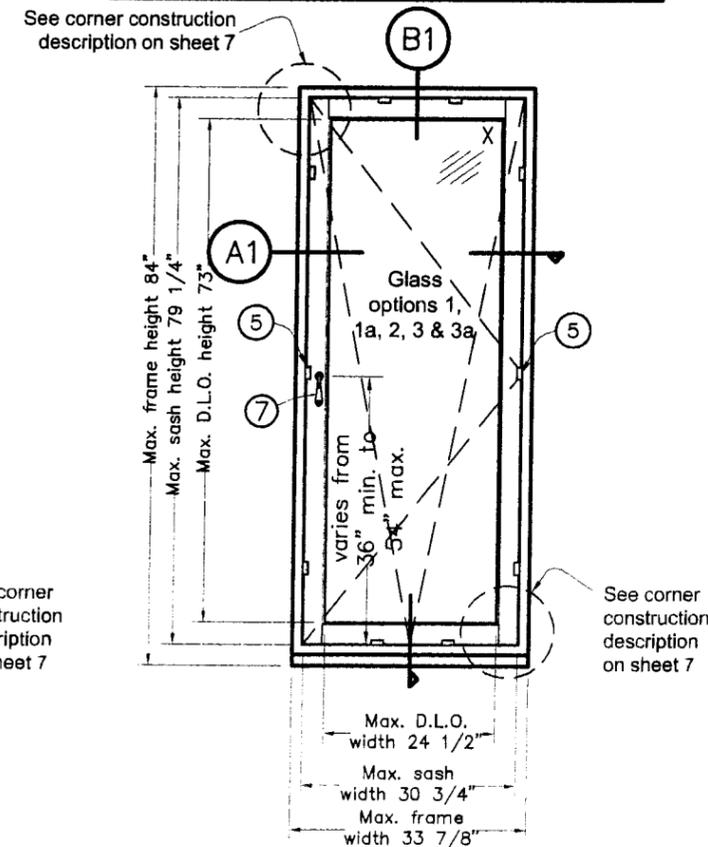
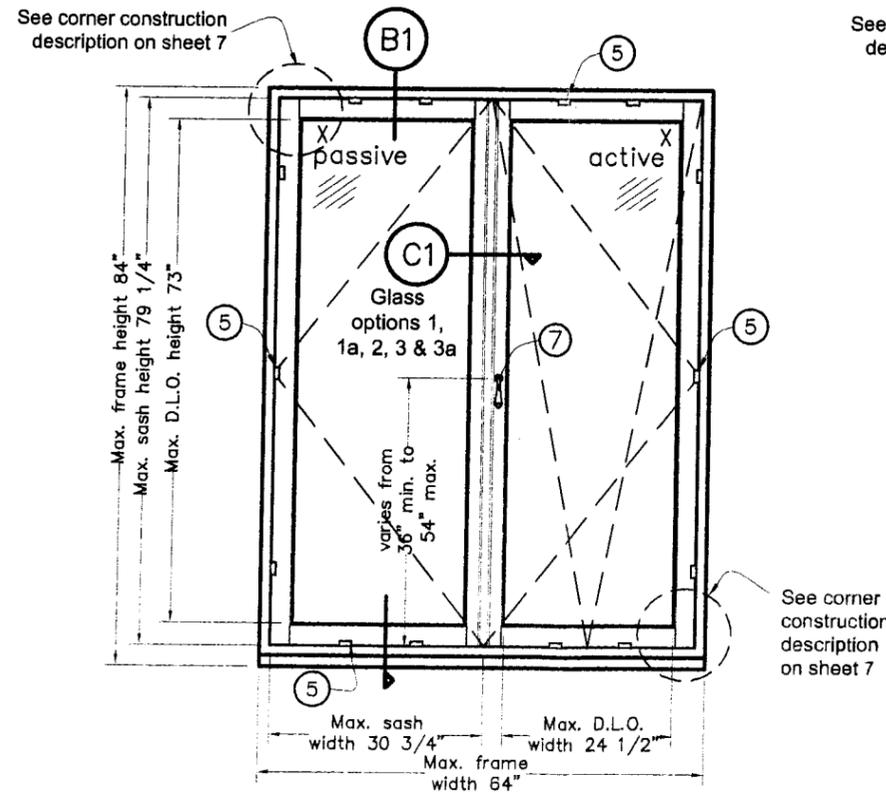
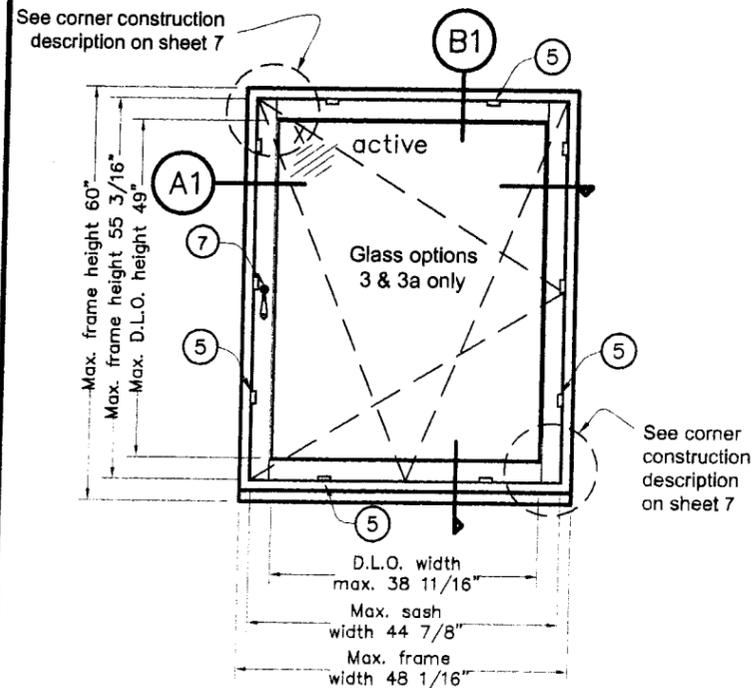
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STRUCTURALLY REVIEWED BY:

Scott Wolter
SCOTT WOLTER
FL PE # 62354

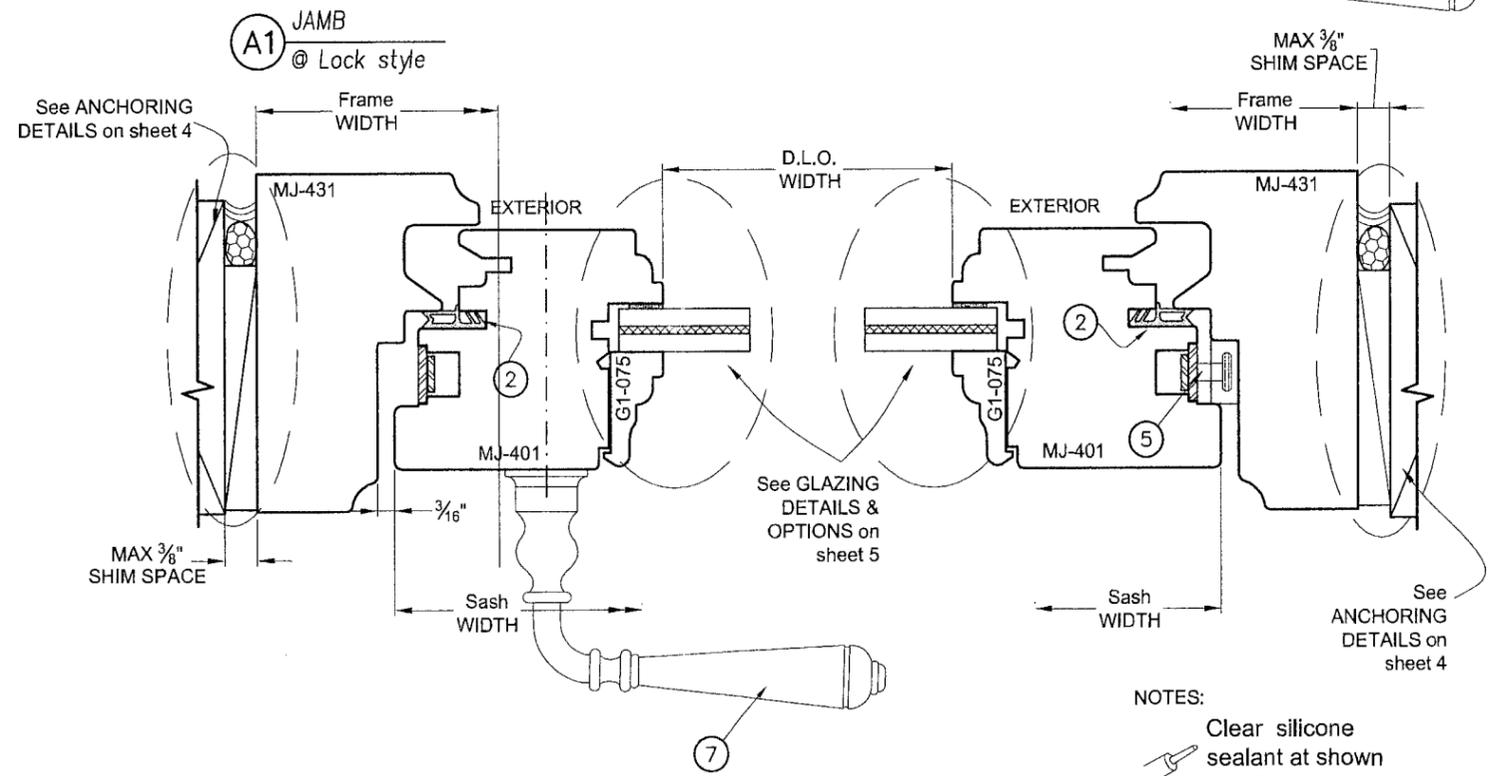
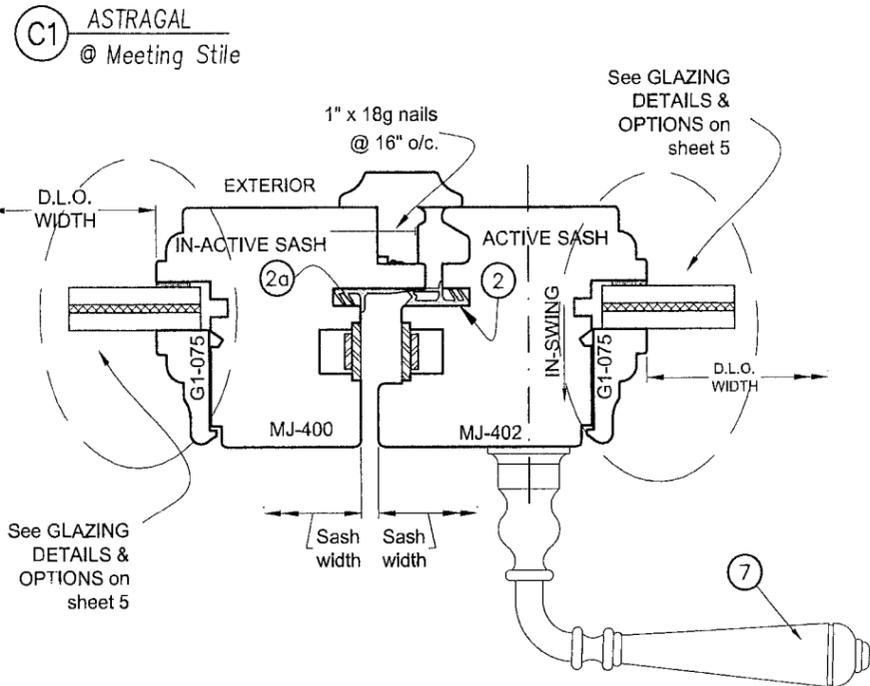
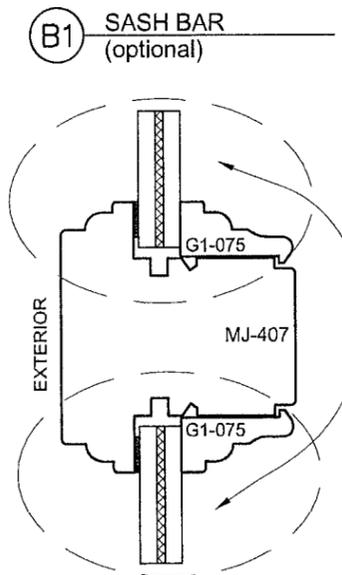
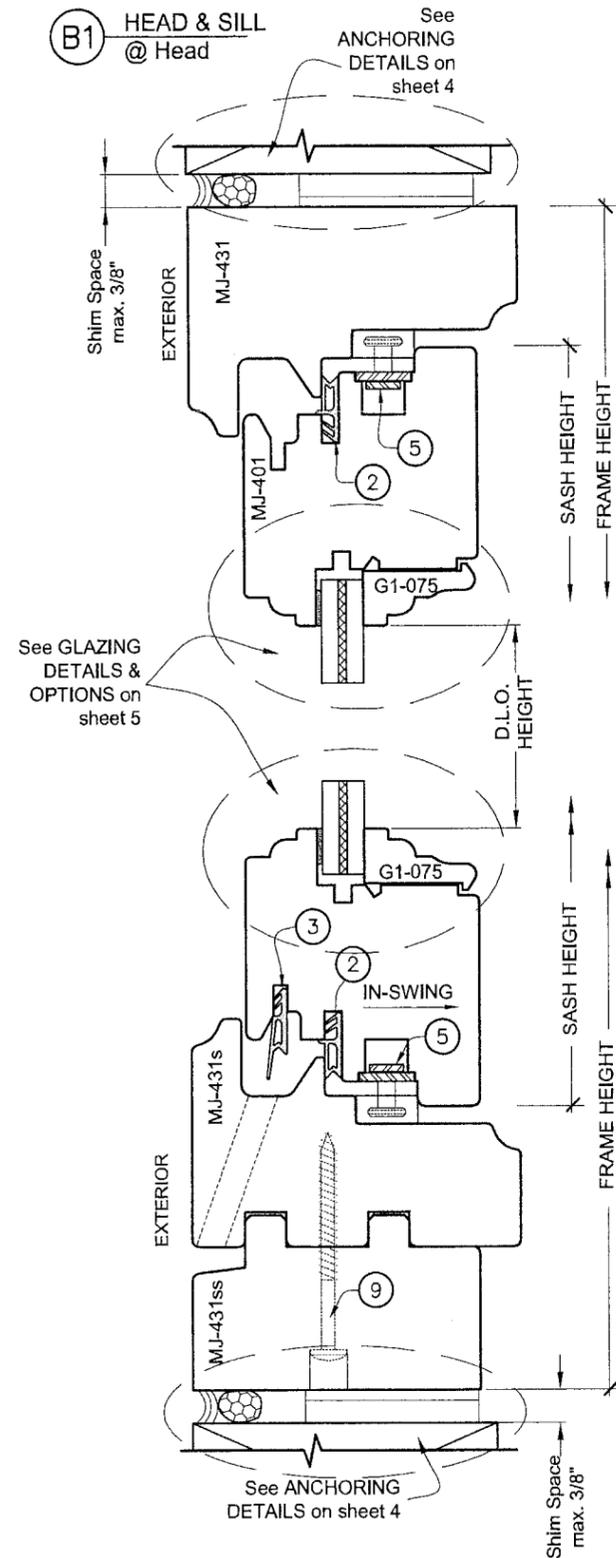
WOLTERS ENGINEERING, INC.
(COA# 27194)
322 BUCHANAN ST. #807
HOLLYWOOD, FL 33019

3-3-09



Approved for use with the Florida Building Code
Date: 3-3-09
Permit: 08-0827-23
Miami-Dade Permit District
Division
By: *John Harris*

CROSS SECTION VIEWS



- NOTES:
- Clear silicone sealant at shown interfaces
 - Backing rod and sealant as required
 - Numbers are referring to bill of materials (sheet 5)

**JS SERIE
 TILT & TURN INSWING
 WOOD WINDOWS
 MIAMI DADE COUNTY**

Drawing no.: JS-TT-1	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 07/03/15	Date revised: 12/18/08
File: JS-TT-1	Page: 2/7

STRUCTURALLY REVIEWED BY:

Scott Wolters
 SCOTT WOLTERS
 FL PE # 62354

WOLTERS ENGINEERING, INC.
 (COA# 27194)
 322 BUCHANAN ST. #807
 HOLLYWOOD, FL 33019
 DEC 26 2008

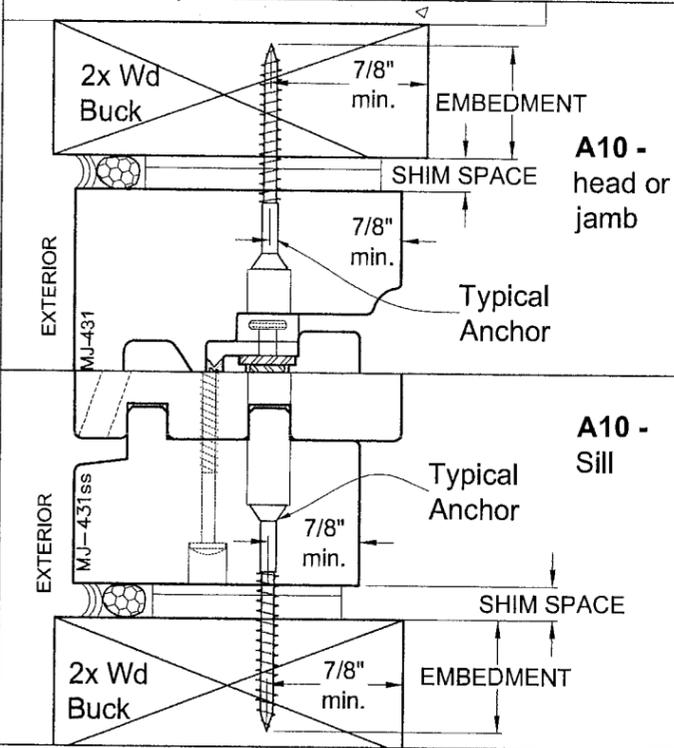
Approved as complying with the
 Florida Building Code
 Date 3-3-09
 NOA# 08-082723
 Miami Dade Product Control
 Division
 By *Dick Harris*

ANCHORING DETAILS VIEWS

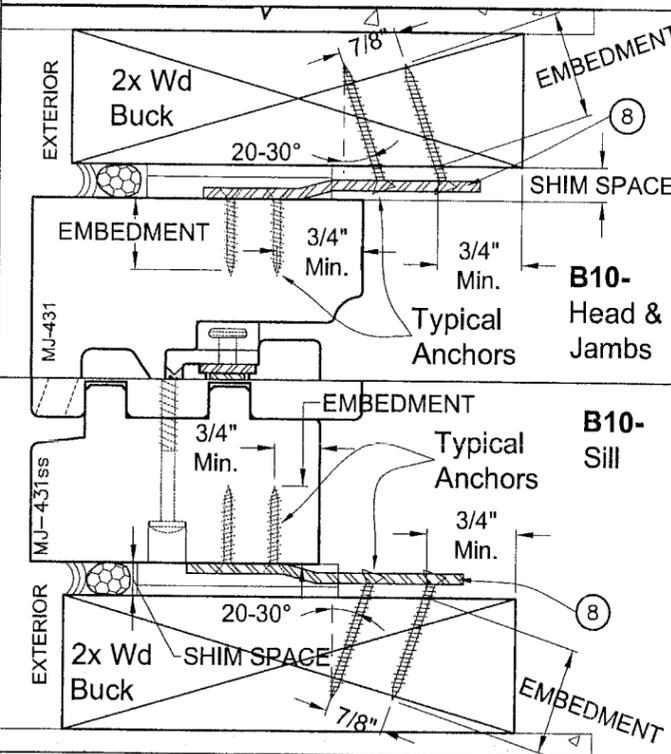


1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

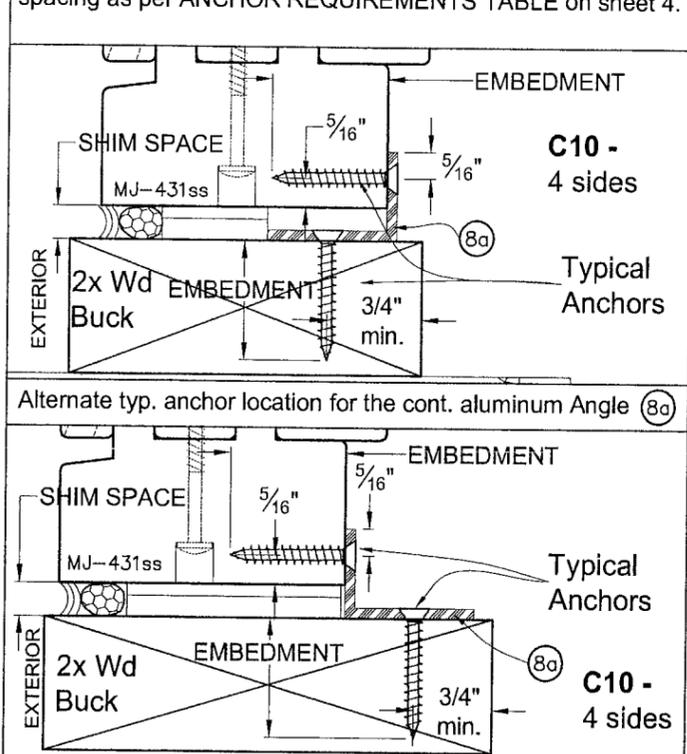
A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.



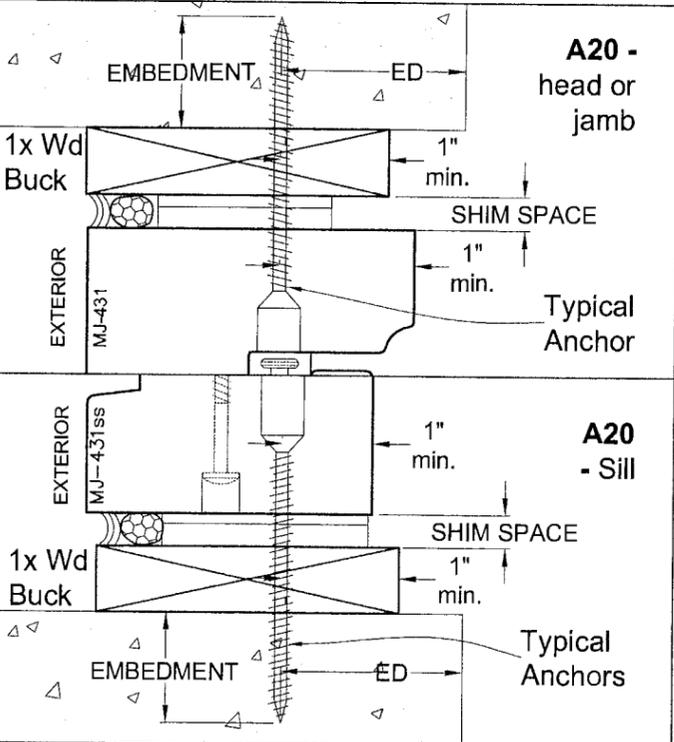
B10- Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 4.



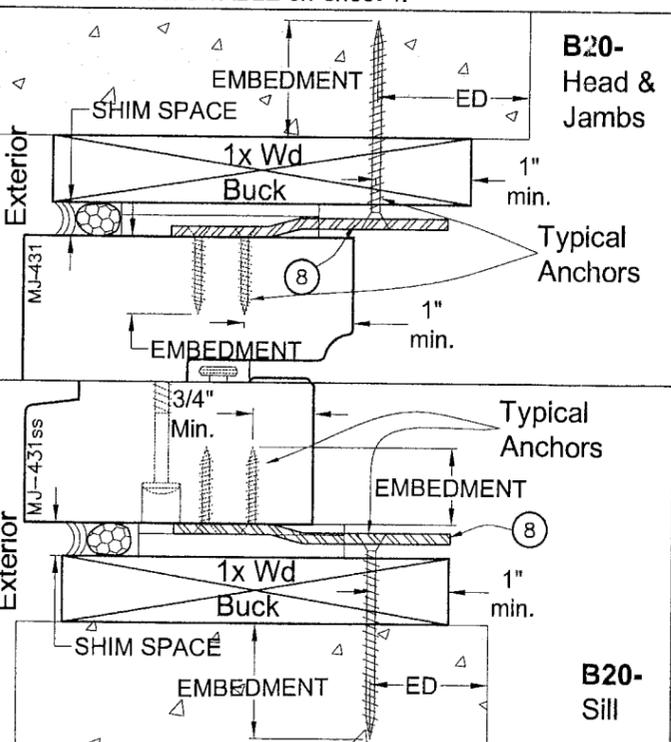
C10 - Typical anchor w/ Continuous Aluminum Angle (8a) using wood screws in 2x wood buck and window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.



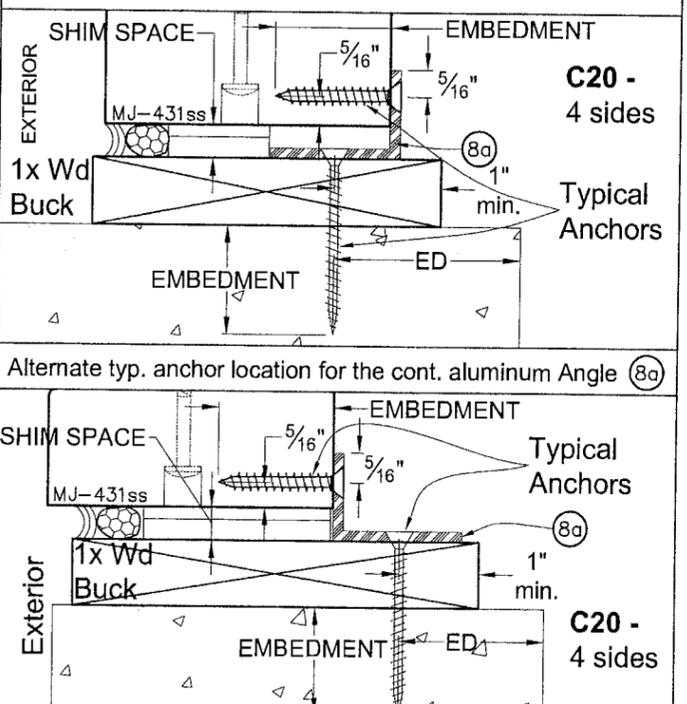
A20 - Typical direct anchor through 1x wood buck into concrete using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.



B20 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete as per ANCHOR REQUIREMENTS TABLE on sheet 4.



C20 - Typical anchor w/ Continuous Aluminum Angle (8a) using Tapcon screws through 1x wood buck into concrete and wood screw into window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.



**JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-TT-1
Scale: NONE
Date drawn: 07/03/15
Date revised: 12/18/08
File: JS-TT-1
Page: 3/7

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE # 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
322 BUCHANAN ST. #807
HOLLYWOOD, FL 33019

DEC 26 2008

Approved as complying with the
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NOA# 08-0827-23
Miami Dade Product Control
Division
By *John Harris*

ANCHOR REQUIREMENTS TABLE



**JS SERIE
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WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-TT-1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 07/03/15 Date revised: 12/18/08

File: JS-TT-1 Page: 4/7

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Anchoring method	Substrate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from msry edge (ED)	Min. dist. from unit frame edge	Min. embedment	
				From corner	On center				Into buck / msry	Into unit frame
Direct anchor (shear screws)	2x_ wood buck	A10 4 sides	Through the unit frame into the buck frame: (1) #14 x 2 3/4" wood screw.	5 1/2"	4 1/2"	7/8"	----	7/8"	1 1/4"	----
	1x_ wood buck	A20 4 sides	Through the unit frame & buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw.	5 1/2"	5 1/2"	1"	2 1/2"	1"	1 1/4"	----
PDF-FS-05/D Installation bracket	2x_ wood buck	B10 head jamb	To the buck frame: (2) #12 X 1 1/2" all threaded (a.T.) wood screws. To the unit frame: (2) # 10 x 1" a.T. wood screws.	5 1/2"	11"	3/4"	----	3/4"	1 1/4"	7/8"
		B10 sill	To the buck frame: (2) #12 X 1 1/2" a.T. wood screws. To the unit frame subsill (MJ431ss): (2) # 10 x 1" a.T. wood screws.	5 1/2"	11"	3/4"	----	3/4"	1 1/4"	7/8"
	1x_ wood buck	B20 head jamb	Through the buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5 1/2"	10 1/2"	1"	2 1/2"	3/4"	1 1/4"	7/8"
		B20 sill	Through the buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. To the unit frame frame : (2) # 10 x 1" a.T. wood screws.	5 1/2"	10 1/2"	1"	2 1/2"	3/4"	1 1/4"	7/8"
Continuous aluminum angle (At sill only)	2x_ wood buck	C10 4 sides	To the window frame and to the buck frame with (1) #12 x1 1/2" a. T. wood screw.	5 1/2"	9"	3/4"	----	5/16"	1 1/4"	1 1/4"
	1x_ wood buck	C20 4 sides	Through the buck frame into the fc= 3320 psi. concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit frame: (1) #12 x1 1/2".	5 1/2"	10"	1"	2 1/2"	5/16"	1 1/4"	1 1/4"

NOTES:

- All shim spaces between window frame and wood buck max. 3/8" @ head, jambs and sill. Use std wood or plastic shims.
- Jambs anchoring identical to head anchoring shown
- Wood bucks (by others) and openings must be designed by the professional of record to properly transfer wind loads to the main structure.
- Installation brackets (B) and aluminum angles (C) may be positioned at the interior or exterior side of the window.
- Materials, but not limited to steel & steel screws that come in contact with other dissimilar materials shall meet with section 2003.8.4 of the 2004 edition of the Florida Building Code with the 2005 supplement.

))) Backing rod and sealant as required

(#) Numbers in circle are referring to bill of materials (sheet 5)

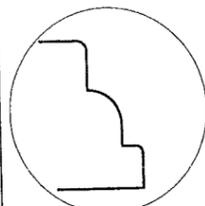
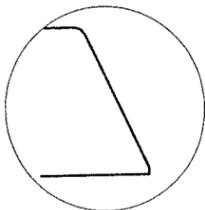
Approved as complying with the
Florida Building Code
Date 3.3.09
NOA# 08-0827-23
Miami Dade Product Control
Division
By *[Signature]*

WOOD PROFILES

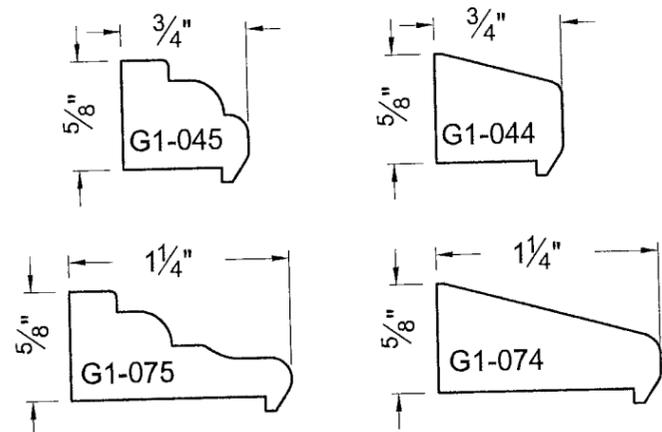
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

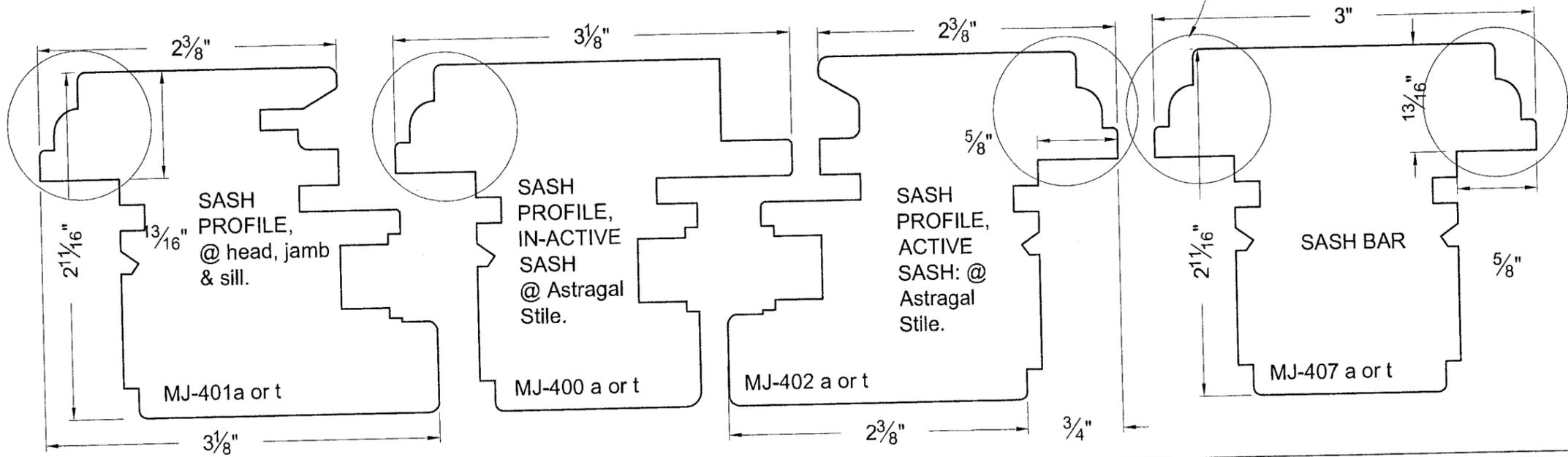
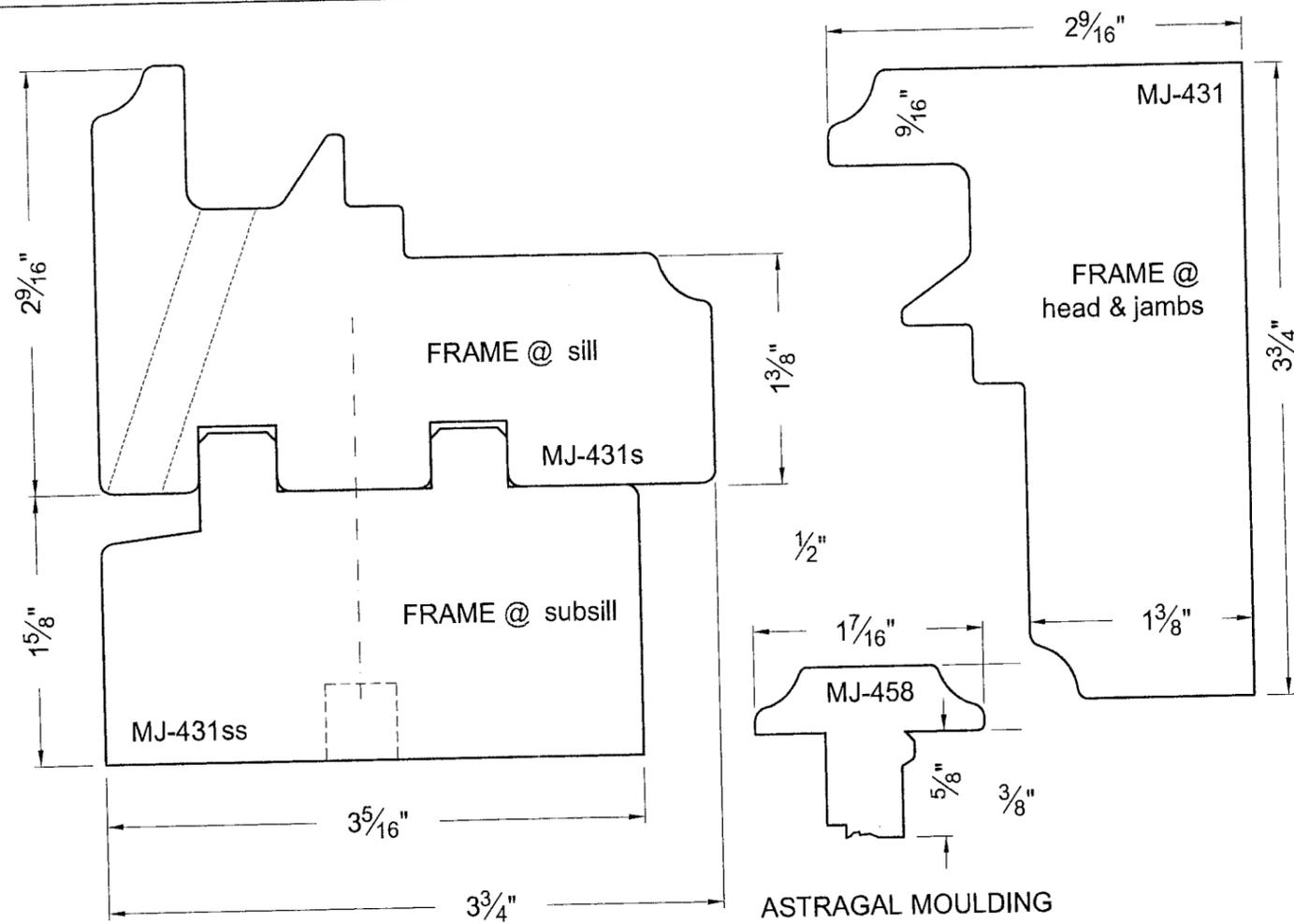
Flat glazing fence:
Part number w/ "a"
suffix.



Moulded glazing fence:
Part number w/ "t"
suffix.



GLAZING BEADS



mj
WINDOWS
OF EUROPE AND
THE AMERICAS

1855 GRIFFIN ROAD,
SUITE A-271
DANIA, FL 33004

JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-TT-1	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 07/03/15	Date revised: 12/18/08
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See Alternate glazing fence
details on this sheet

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WOOD WINDOWS
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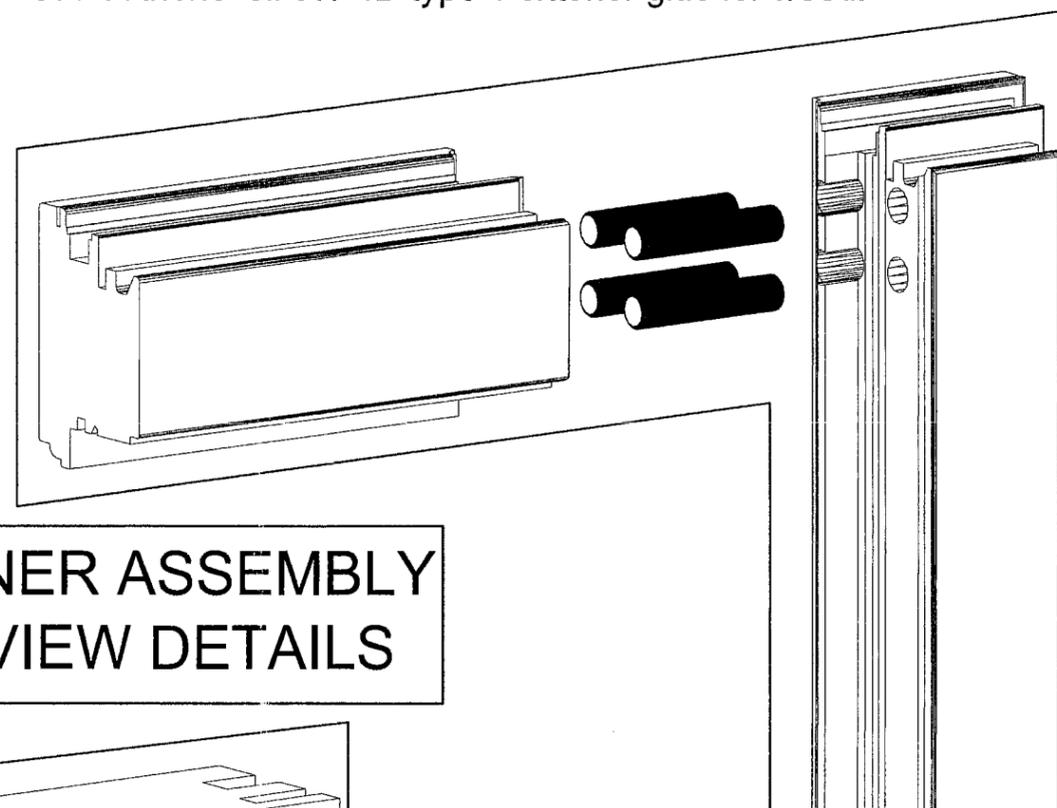
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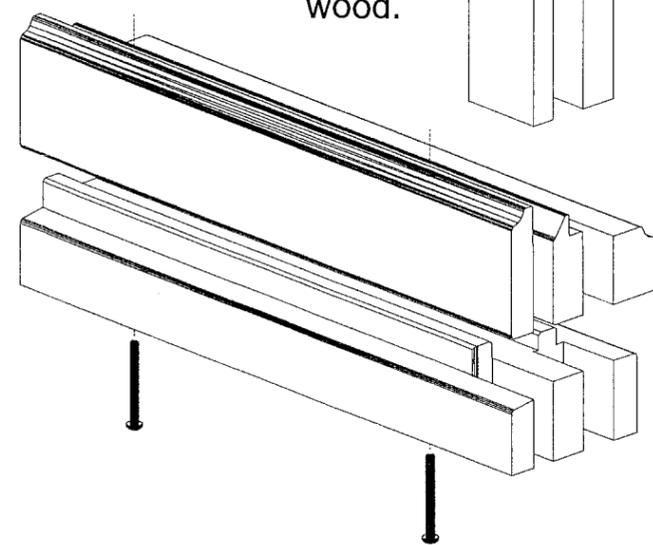
DEC 26 2008

Sash rails to sash stiles: 4x 7/16" x 2 3/4" wood
dowels, w/ 1 3/8" embedment to each profile
Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.

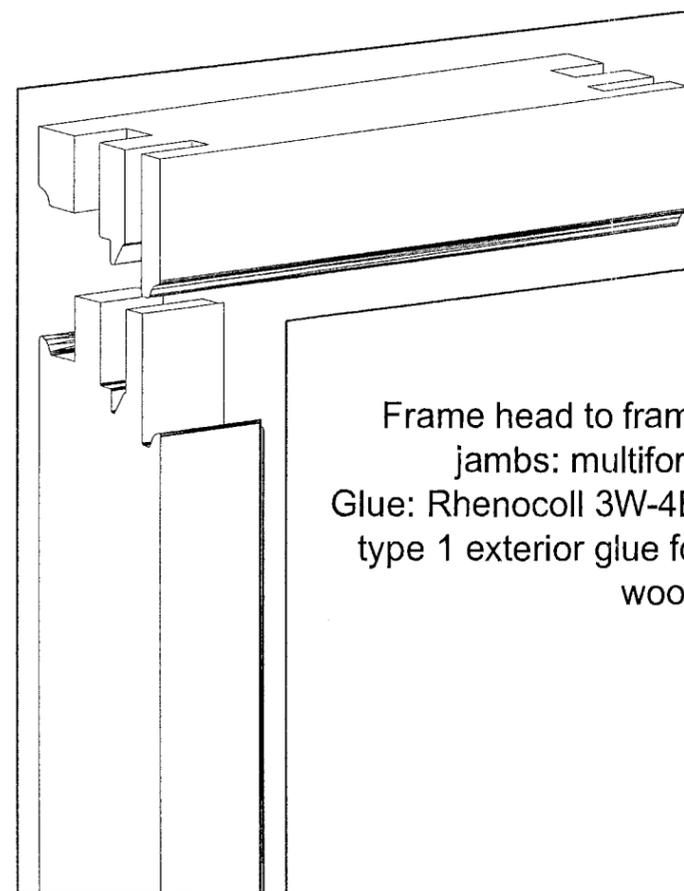


CORNER ASSEMBLY 3D VIEW DETAILS

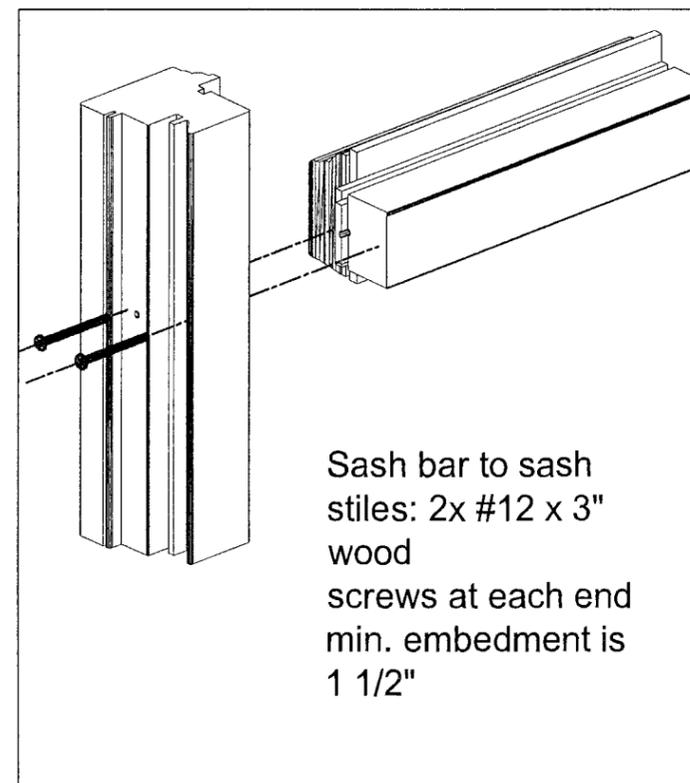
Frame subsill to frame
sill: (1) #12 x 2 1/2" @
5 1/2" from ends & 12"
o/c. Frame sill & subsill
to frame jambs:
multifork.
Glue: Rhenocoll 3W-4B
type 1 exterior glue for
wood.



Frame head to frame
jambs: multifork.
Glue: Rhenocoll 3W-4B
type 1 exterior glue for
wood.



Sash bar to sash
stiles: 2x #12 x 3"
wood
screws at each end
min. embedment is
1 1/2"



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