



**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**

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**M. Q. Windows
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 Outswing Mahogany Wood Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. JS-3-OUT, titled "JS Serie Outswing Wood Windows Miami Dade County" Sheets 1 through 10 of 10, dated 01/10/99 and last revised on 05/08/06, prepared by manufacturer, signed and sealed by Walter A. Tillit Jr. 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 M.Q. Windows, Montreal, Quebec, Canada 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 & renews NOA # 99-1228.05** consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

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



J. Gascon
5/26/06

**NOA No 06-0208.04
Expiration Date: February 8, 2011
Approval Date: June 20, 2006
Page 1**

M. Q. Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

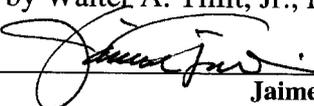
1. Manufacturer's die drawings and sections.
2. Drawing No. **JS-3-OUT**, titled "JS Serie Outswing Wood Windows Miami Dade County" Sheets 1 through 10 of 10, dated 01/10/99 and last revised on 05/08/06, prepared by manufacturer, signed and sealed by Walter A. Tillit Jr. P. E.

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 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with the manufacturer's parts drawings, installation diagram and marked-up drawings of an outswing wood window prepared by Hurricane Test Laboratory, LLC, Test Report No (s). **HTL-0118-0702-99** signed and sealed by Vinu J. Abraham, 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 202-94
along with the manufacturers' parts drawings, installation diagram and marked-up drawings of an inswing wood window prepared by Hurricane Test Laboratory, LLC, Test Report No (s). **HTL-0118-0702-98** signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94.
3) Water Resistance Test, per FBC, TAS 202-94.
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with the manufacturer's parts drawings, installation diagram and marked-up drawings of an outswing wood window prepared by Hurricane Test Laboratory, LLC, Test Report No (s). **HTL-0118-0204-03** signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2004, prepared by Tilteco Inc., dated 3/31/06, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Revised Anchor verification calculations, complying w/ FBC-2004, prepared by Tilteco Inc., dated 05/08/06, signed and sealed by Walter A. Tillit, Jr., P.E.
3. Glazing complies w/ ASTM E-1300-98



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0208.04
Expiration Date: February 8, 2011
Approval Date: June 20, 2006

M. Q. Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 01-0205.02, issued to Solutia Inc, for "Saflex / KeepsafeMax interlayer", expiring 05-21-06.

F. STATEMENTS (Transferred from file # 99-1228.06)

1. Statement letter of conformance to FBC 2004 dated March 06, 2006, signed & sealed by Walter A. Tillit, P.E.
2. Statement letter of conformance, dated 11/24/99, and "no financial interest", dated 01-08-2001, signed and sealed by Walter A. Tillit Jr., P. E.
3. Statement letters of compliance, part of the above test reports.

G. OTHER

1. Notice of Acceptance No. # 99-1228.05, M.Q. Windows, Inc., "JS Series Inswing /Outswing Mahogany Wood Windows", approved 02/08/01 and expiring 02/08/06.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0208.04
Expiration Date: February 8, 2011
Approval Date: June 20, 2006

WINDOWS, OUTSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE OUTSIDE

DESIGN PRESSURE APPLYING TO THIS PAGE
Acting inward: +58 psf Acting outward: -68 psf
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
Shutters are not required.

HINGES TABLE 1			
MAX. HINGES SPACING			
1488-03 steel hinges by Jardinier Massard secured with 8 x #7 x 1" F.H. screws			
Frame Height (in.) up to	Dist from corner	total Qty	Dist o/c (max)
39 1/2"	8"	2	20 9/16"
59"	8"	3	20 9/16"
79 1/2"	8"	4	20 9/16"
99 3/8"	8"	5	20 9/16"

GLAZING TYPE TABLE
GLASS: SINGLE, LAMINATED
3/16"(AN)-0.090" PVB interlayer Saflex III G by Solutia-3/16"(HS)
RAISED WOOD PANEL:
Max. DLO area: -Solid mahogany wood: Max. 7.81 sqf
NOTE: -See Glazing Details on sheet 7

NOTE: Numbers in circle are referred to the bill of materials on sheet 7.

GENERAL NOTES:

1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2004 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.



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

JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 05/08/06

File: JS-3-OUT
Page: 1/10

STRUCTURALLY REVIEWED BY:

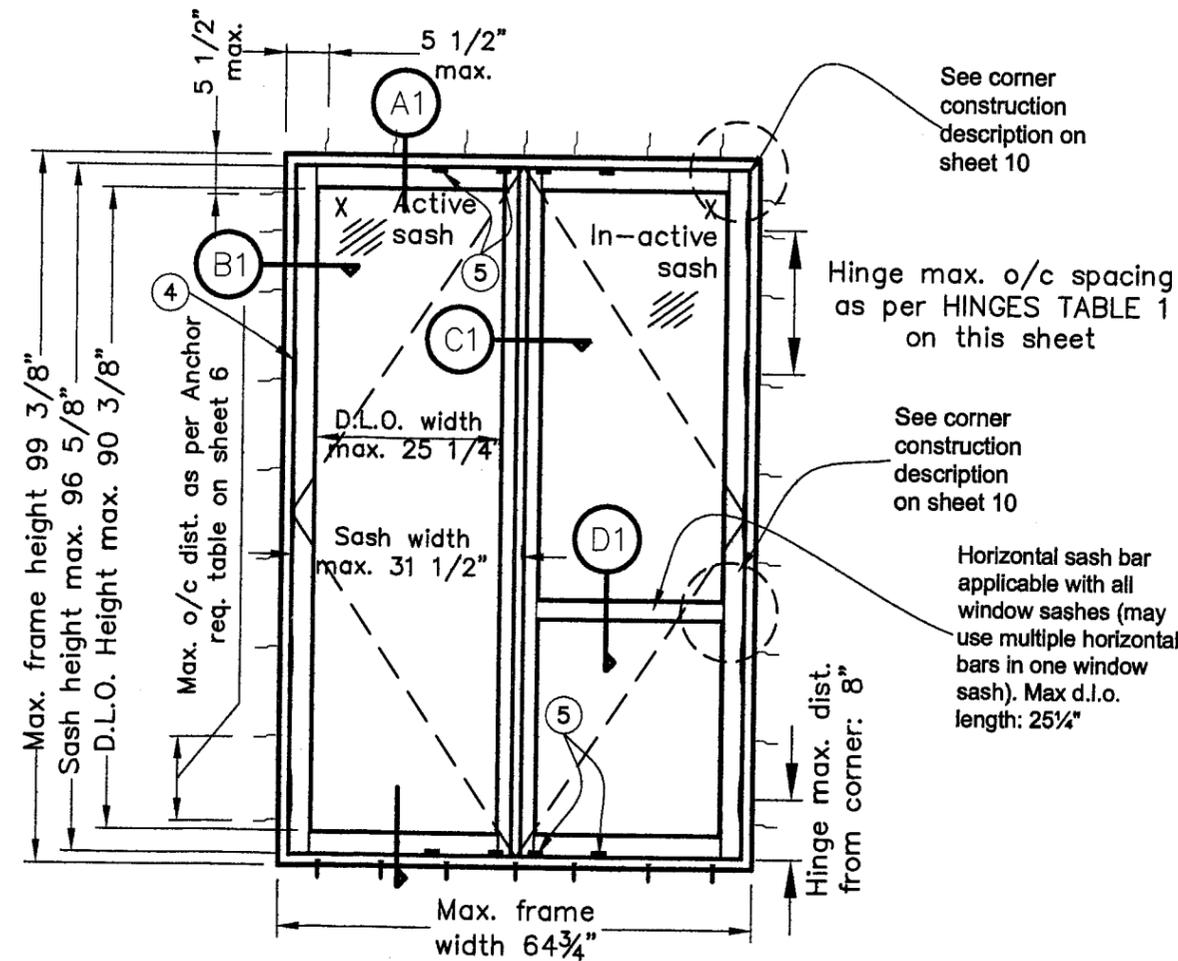
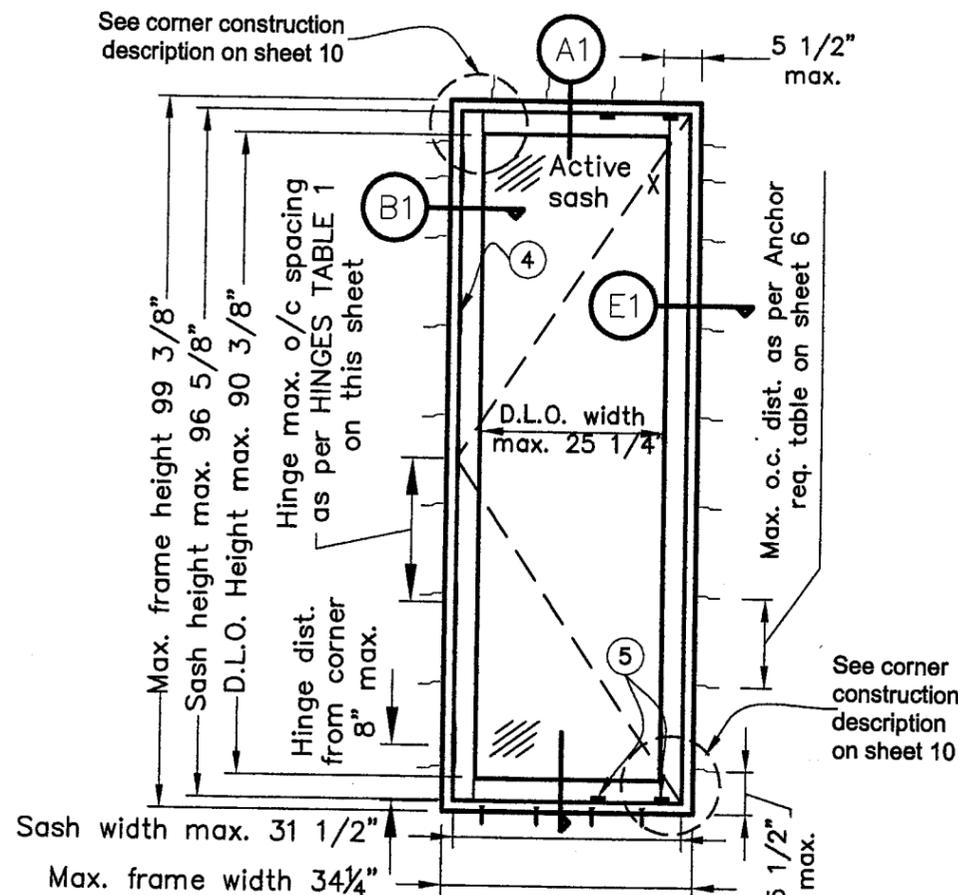
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC.NO. 44167

MAY 08 2006



TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0208.04
Expiration Date 02/05/11
By: [Signature]
Miami Dade Product Control
Division



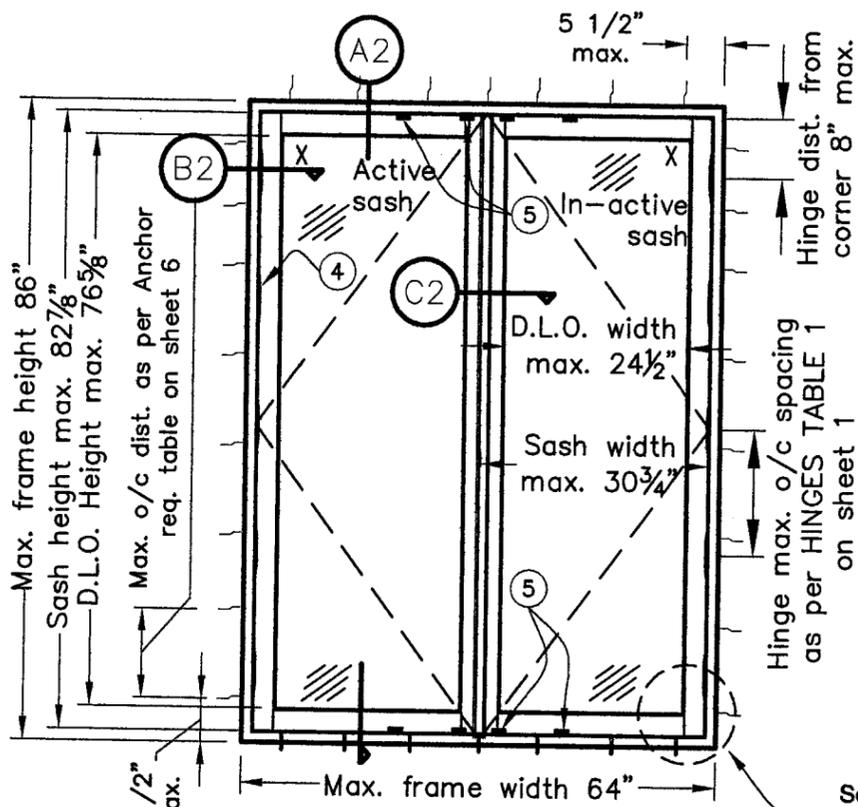
WINDOWS, OUTSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE OUTSIDE

DESIGN PRESSURE APPLYING TO THIS PAGE
As indicated on elevations
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
Shutters are not required.

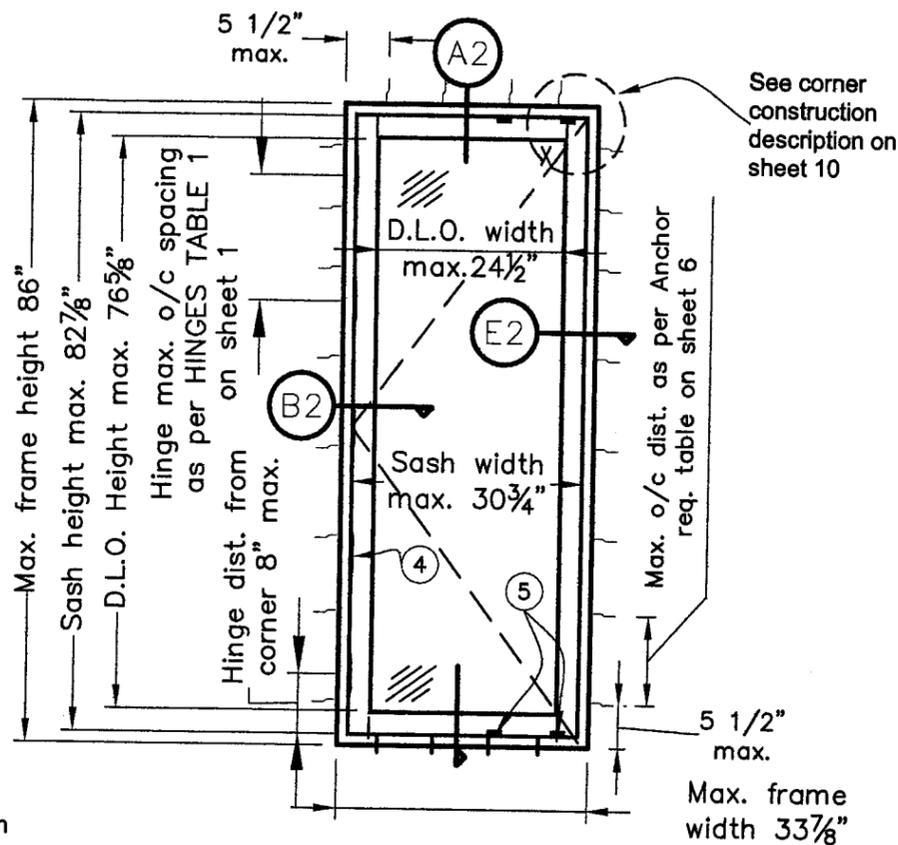
HINGES TABLE 2

SHAPED HEAD WINDOW
MAX. HINGES SPACING
1488-03 steel hinges by
Jardinier Massard secured with
with 8 x #7 x 1" F.H. screws

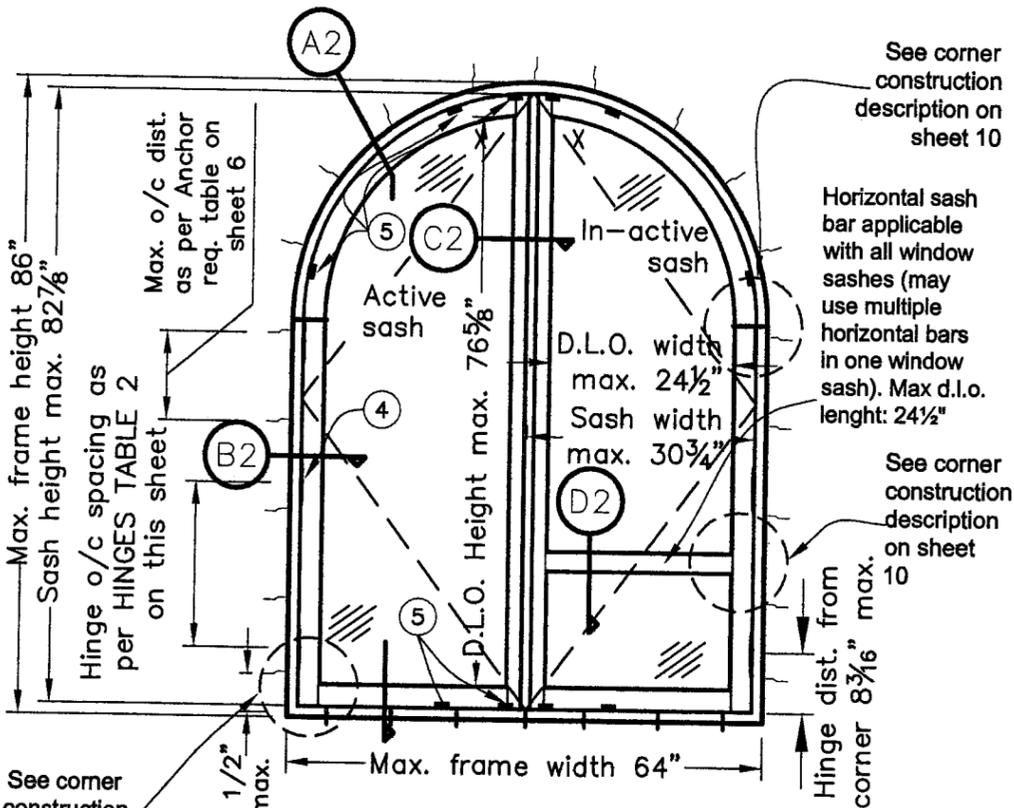
Frame Height (in.) up to	Dist from corner	total Qty	Dist o/c (max)
64"	8"	2	22 1/4"
86"	8"	3	22 1/4"



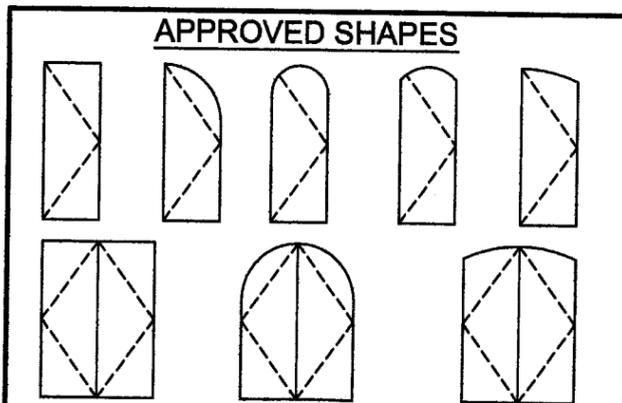
DESIGN PRESSURE RATING Acting inward: +60.0 psf
Acting outward: -68.0 psf



DESIGN PRESSURE RATING: Acting inward: +60.0 psf
Acting outward: -68.0 psf



DESIGN PRESSURE RATING Acting inward: +60.0 psf
Acting outward: -70.0 psf



NOTES:
1. Other shapes may apply providing they are similar to those shown & have corner construction as described on sheet 10.
2. All shaped units must fit inscribed into the allowable rectangular units & be governed by the allowable pressure of the respective rectangular unit.
3. Approved shaped heads on this sheet conform to cross section A2 on sheet 4.
4. Keepers qty & location identical to shown arched unit. For single panel full arched unit, keepers at head evenly distributed.

NOTE: Numbers in circle are referred to the bill of materials on sheet 7.

GLAZING TYPE TABLE

GLASS: SINGLE, LAMINATED
OPTION 1: 15/32" (O.T.) Made of 3/16"(AN)-0.090" PVB interlayer, Saflex IIIIG by Solutia-3/16"(HS)
OPTION 2: 15/32" (O.T.) Made of 3/16"(HS)-0.090" PVB interlayer, Saflex IIIIG by Solutia-3/16"(HS)

GLASS: DOUBLE, INSULATED
OPTION 1: 1" (O.T.) Made of: 3/16" (AN) - 0.090" PVB interlayer, Saflex IIIIG by Solutia - 3/16" (HS) - 0.377" air space - 5/32" (AN).
OPTION 2: 1" (O.T.) Made of: 3/16" (HS) - 0.090" PVB interlayer, Saflex IIIIG by Solutia - 3/16" (HS) - 0.377" air space - 5/32" (AN).

RAISED WOOD PANEL:
Max. DLO area:
Solid mahogany wood: Max. 7.81 sqf

NOTE:
-See Glazing Details on sheet 7



**JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT
Scale: NONE Drawn by: S. Marcotte
Date drawn: 01/10/99 Date revised: 05/08/06
File: JS-3-OUT Page: 2/10

STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC.NO. 44167

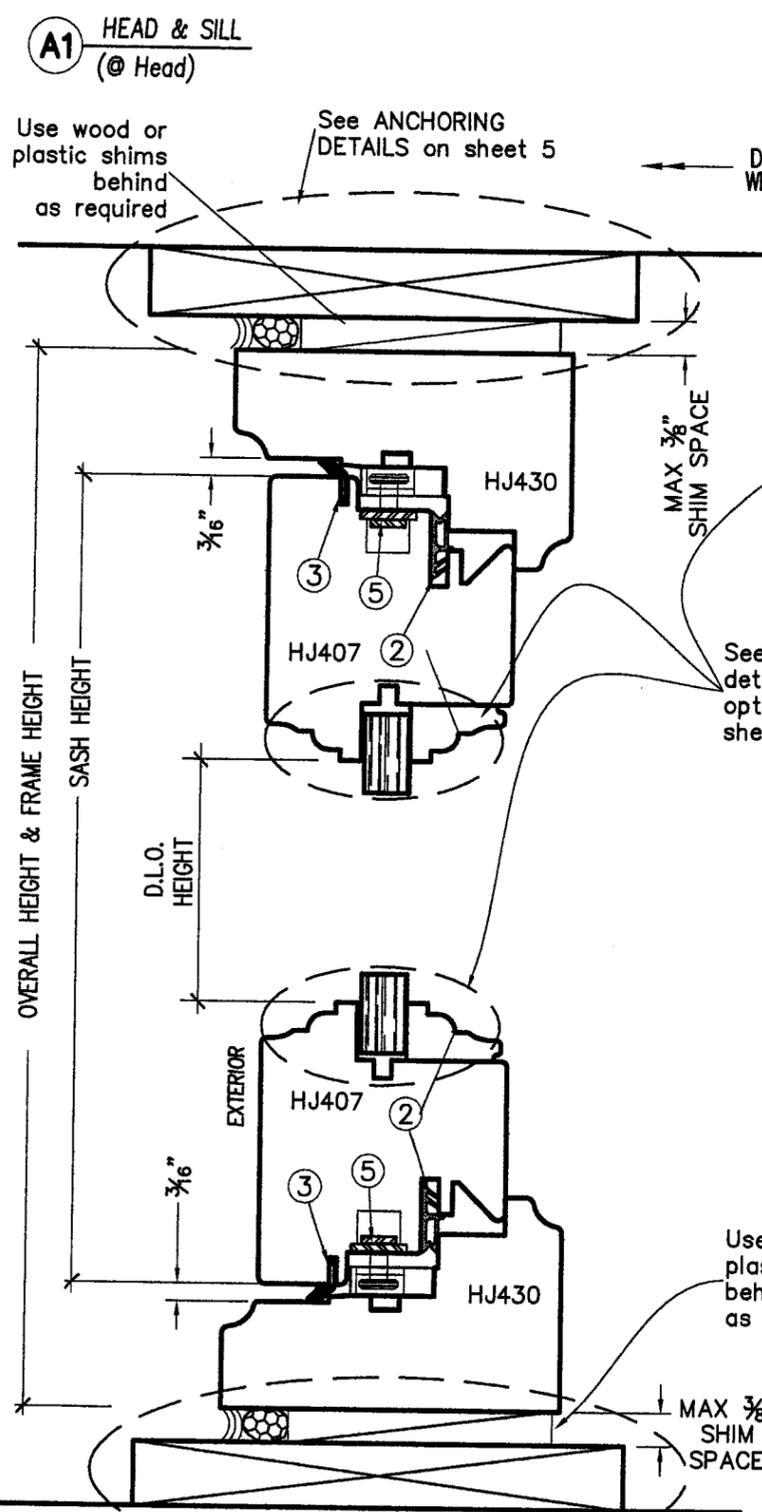
MAY 08 2006



TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

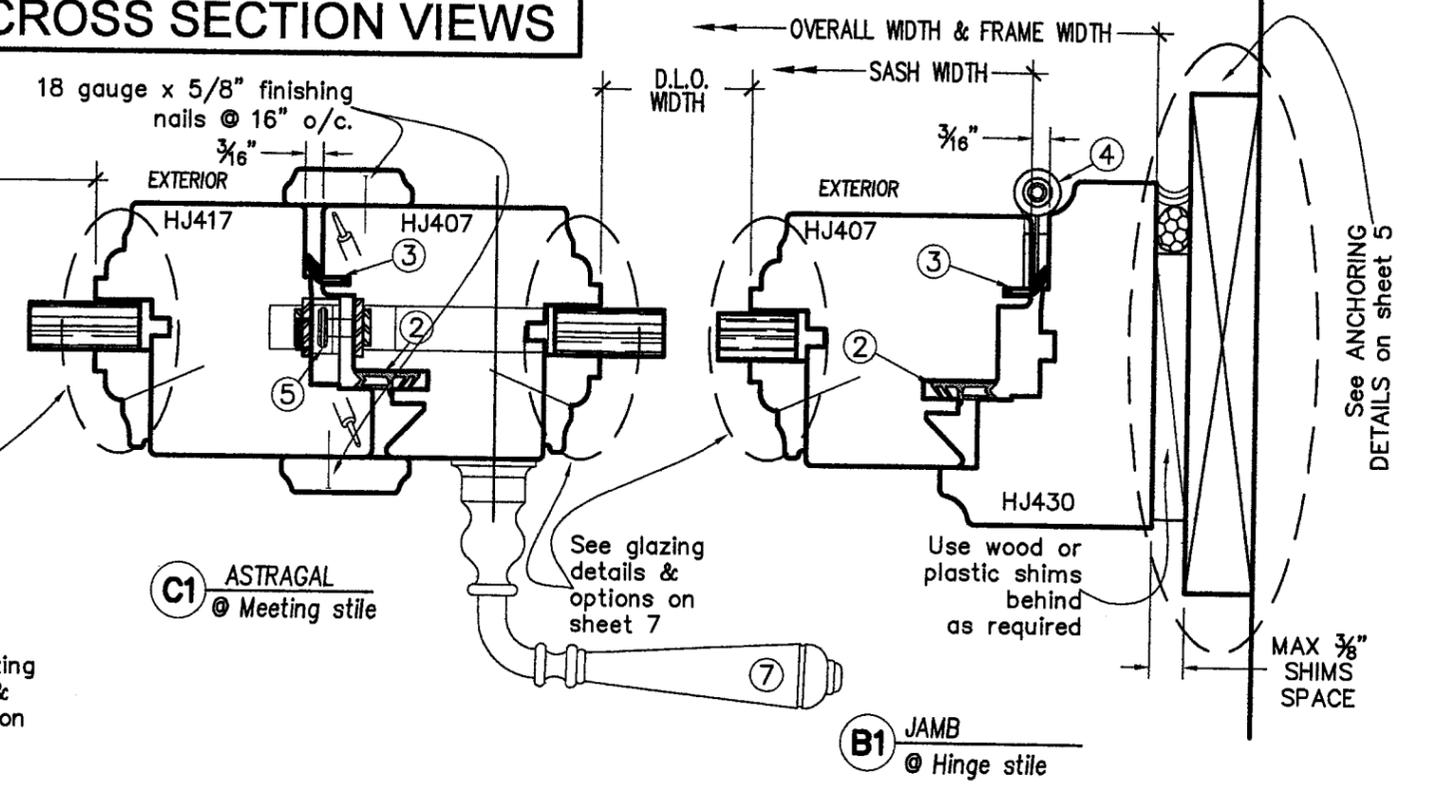
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Acceptance No. 06-0208.04
Expiration Date 02/08/11
By: [Signature]
Miami Dade Product Control
Division

CROSS SECTION VIEWS



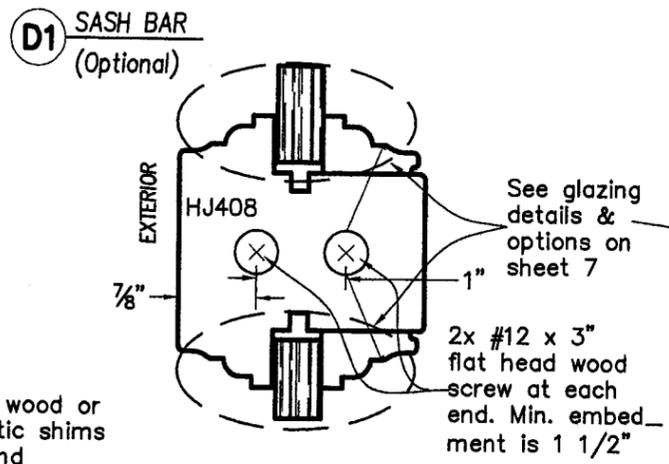
A1 HEAD & SILL
 (@ Head)

A1 HEAD & SILL
 (@ Sill)

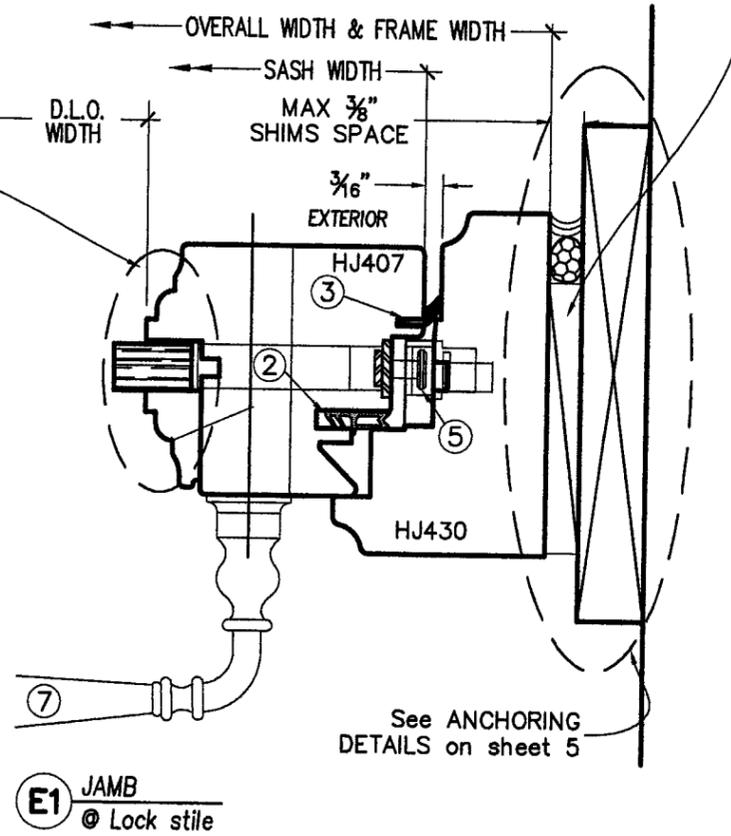


C1 ASTRAGAL
 @ Meeting stile

B1 JAMB
 @ Hinge stile



D1 SASH BAR
 (Optional)



E1 JAMB
 @ Lock stile

- NOTES:
- Clear silicone sealant at shown interfaces
 - Backing rod and sealant as required
 - Numbers are referring to bill of materials (sheet 7)

**JS SERIE
 OUTSWING
 WOOD WINDOWS
 MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 05/08/06
File: JS-3-OUT	Page: 3/10

STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
 STRUCTURAL ENGINEER
 FL. LIC.NO. 44167

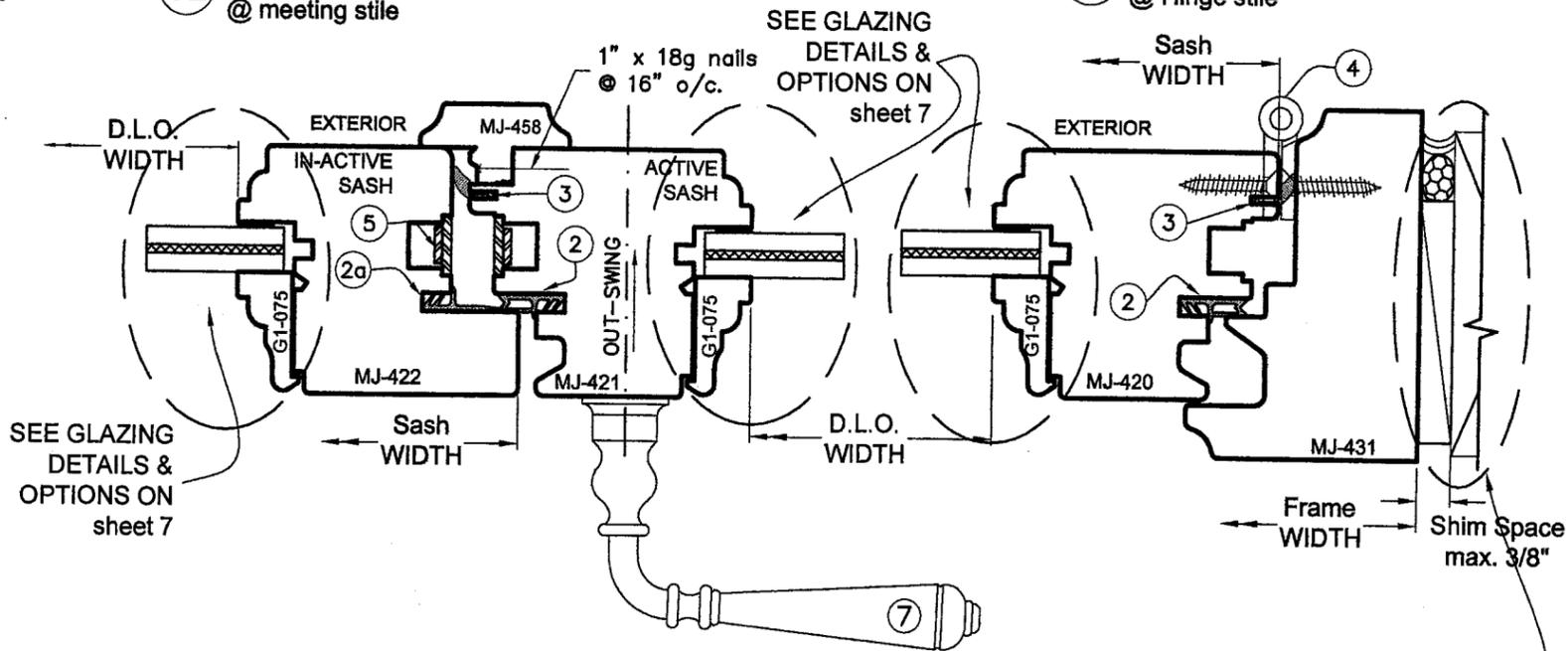
[Signature]
 MAY 08 2006

TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 NW 36th STREET, STE. 305
 MIAMI, FLORIDA 33166
 FL E.B. LICENSE No. 0006719

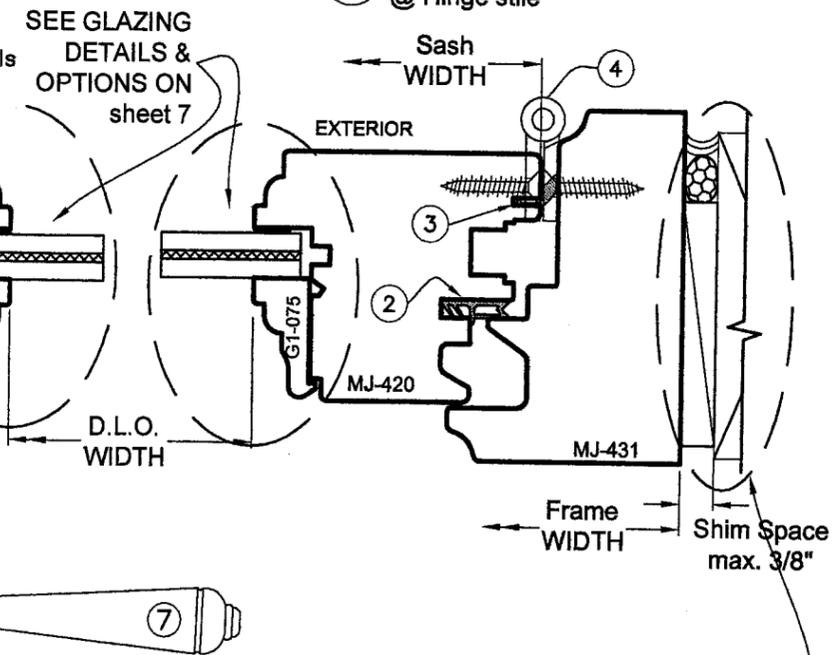
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 By *[Signature]*
 Miami Dade Product Control
 Division

CROSS SECTION VIEWS

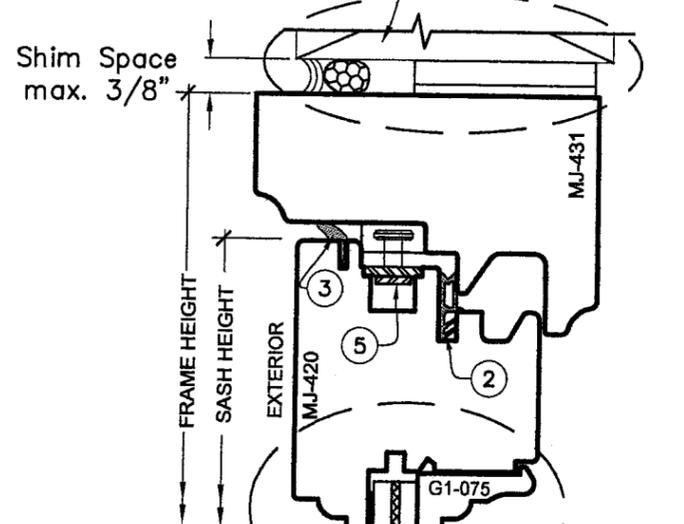
C2 ASTRAGAL
@ meeting stile



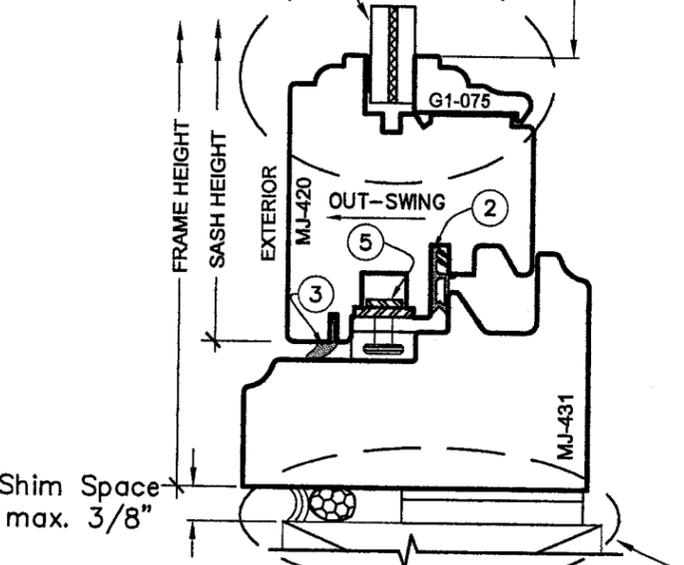
B2 JAMB
@ Hinge stile



A2 HEAD & SILL
@ head

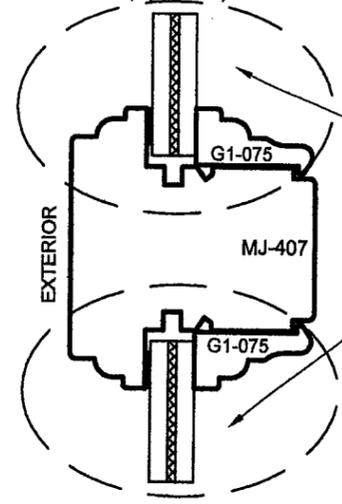


SEE GLAZING
DETAILS &
OPTIONS ON
sheet 7

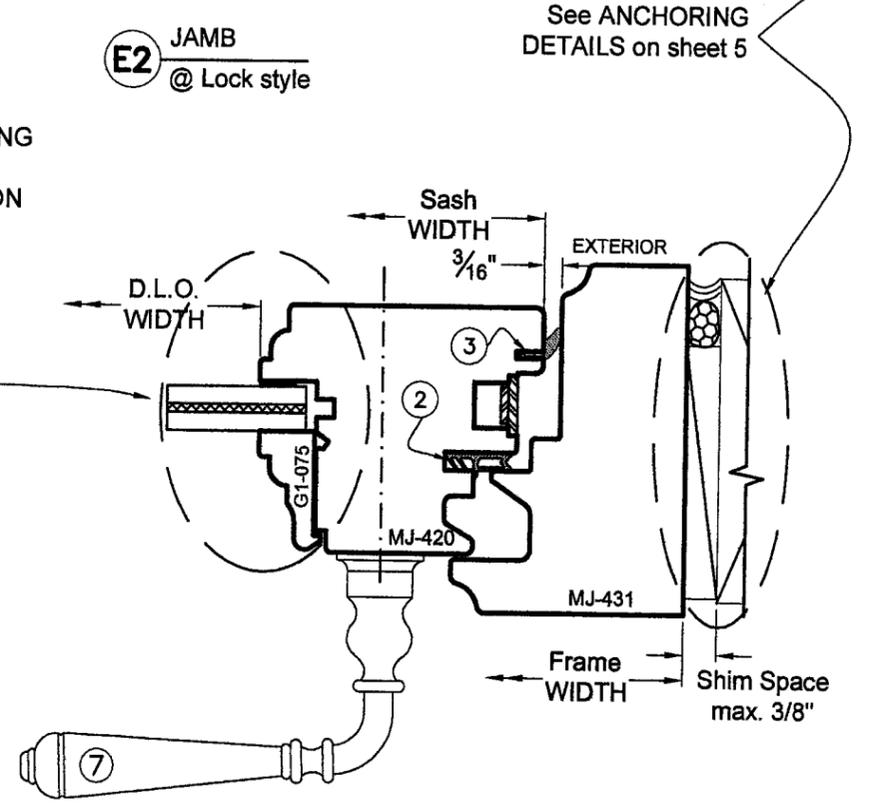


A2 HEAD & SILL
@ sill

D2 SASH BAR
(optional)



E2 JAMB
@ Lock style



- NOTES:
- Clear silicone sealant at shown interfaces
 - Backing rod and sealant as required
 - Numbers are referring to bill of materials (sheet 7)

**JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 05/08/06

File: JS-3-OUT Page: 4/10

STRUCTURALLY REVIEWED BY:
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STRUCTURAL ENGINEER
FL. LIC. NO. 44167

[Signature]
MAY 08 2006



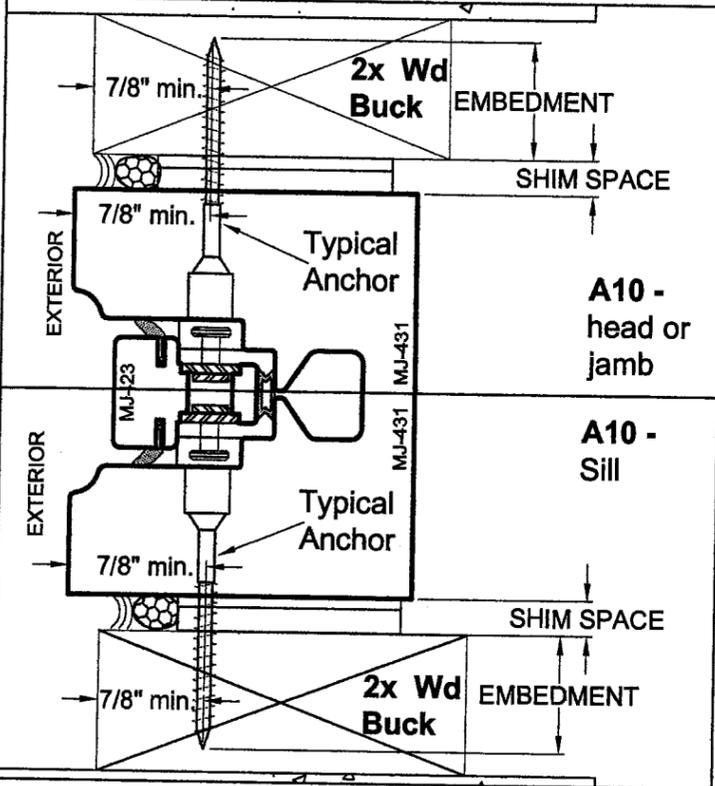
TILLIT TESTING & ENGINEERING COMPANY
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MIAMI, FLORIDA 33166
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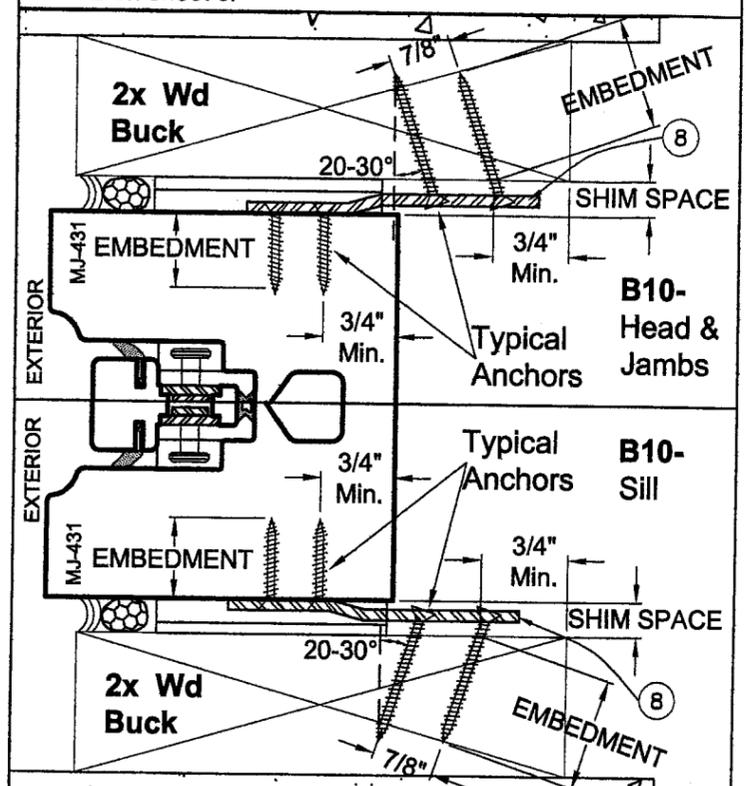
By *[Signature]*
Miami Dade Product Control
Division

ANCHORING DETAILS VIEWS

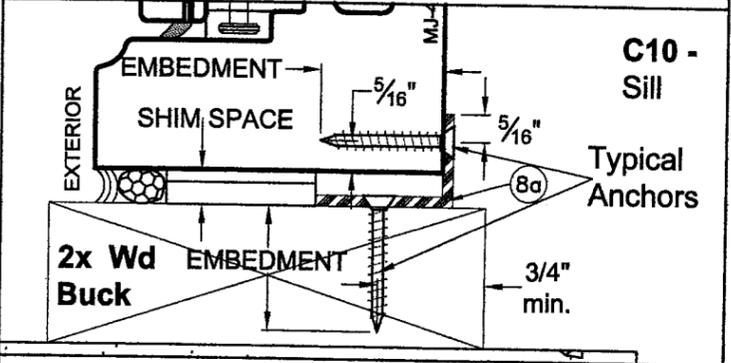
A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



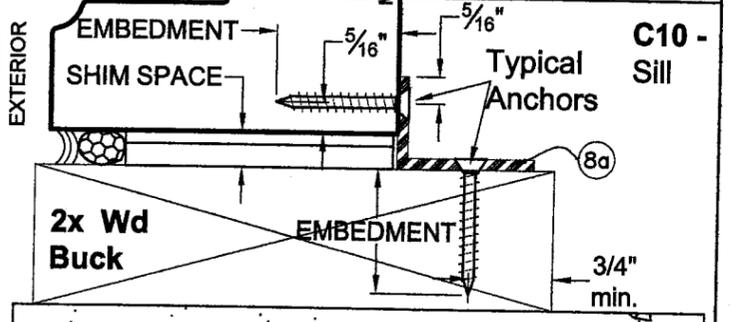
B10 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 6.



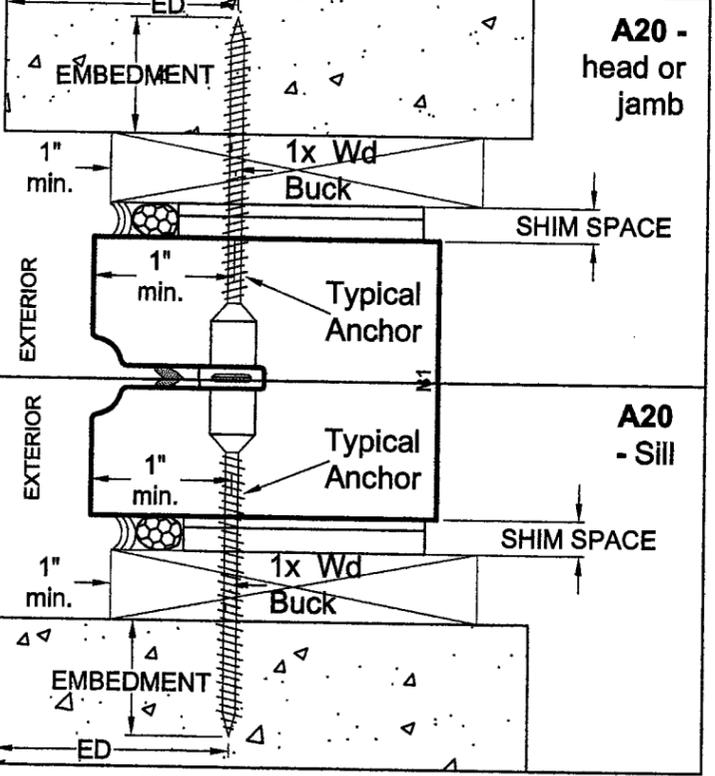
C10 - Typical anchor (@ sill only) w/ Continuous Aluminum Angle (8a) using wood screws in 2x wood buck and window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



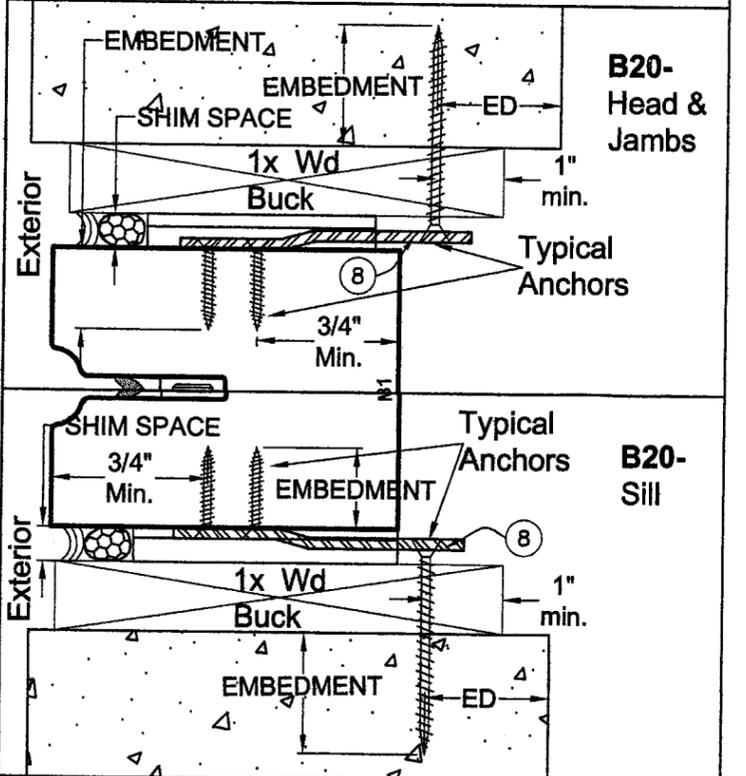
C10 - Alternate typical anchor location for the continuous aluminum Angle (8a)



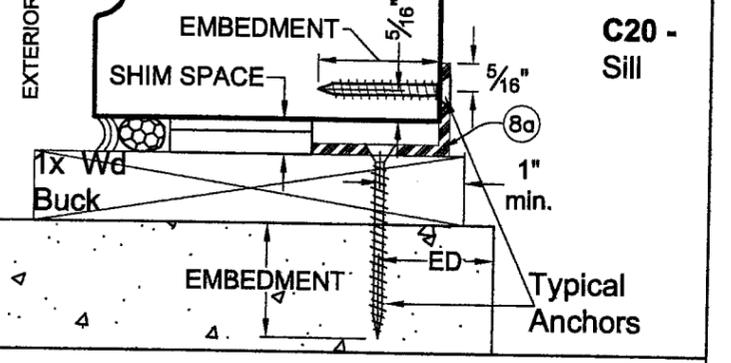
A20 - Typical direct anchor through 1x wood buck into concrete using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



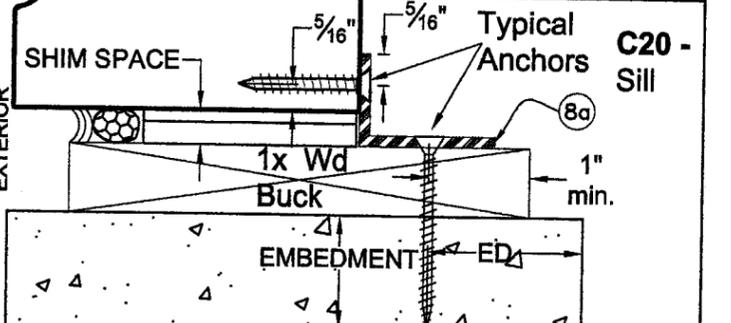
B20 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete as per ANCHOR REQUIREMENTS TABLE on sheet 6.



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 6.



Alternate typ. anchor location for the cont. aluminum Angle (8a)



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

mj
WINDOWS
OF EUROPE AND
THE AMERICAS

**JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 05/08/06

File: JS-3-OUT Page: 5/10

STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC. NO. 44167

[Signature]
MAY 08 2006

TILECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 06-0208.04
Expiration Date 02/08/11

By: *[Signature]*
Miami Dade Product Control
Division

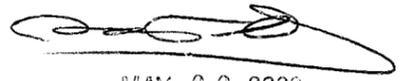
ANCHOR REQUIREMENTS TABLE


 1855 GRIFFIN ROAD,
 SUITE A-271
 DANIA, FL 33004
WINDOWS OF EUROPE AND THE AMERICAS

**JS SERIE
 OUTSWING
 WOOD WINDOWS
 MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT
 Scale: NONE Drawn by: S. Marcotte
 Date drawn: 01/10/99 Date revised: 05/08/06
 File: JS-3-OUT Page: 6/10

STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC.NO. 44167


 MAY 08 2006



TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 NW 36th STREET, STE. 305
 MIAMI, FLORIDA 33166
 FL E.B. LICENSE No. 0006719

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 By 
 Miami Dade Product Control
 Division

Anchoring method	Substrate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from concr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
				From corner	On center				Into buck/concrete	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 buck frame into the masonry: (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 4 sides	To the buck frame: (2) #12 X 1 1/2" all threaded (a.T.) wood screws. Into the unit frame: (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 4 sides	Through the buck frame into the masonry: (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"
Continuous aluminum angle (At sill only)	2x_ wood buck	C10 sill	To the window sill 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 sill	Through the buck frame into the f'c= 3320 psi. concrete: 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit sill: (1) #12 x1 1/2".	5 1/2"	10"	1"	2 1/2"	5/16"	1 1/4"	1 1/4"

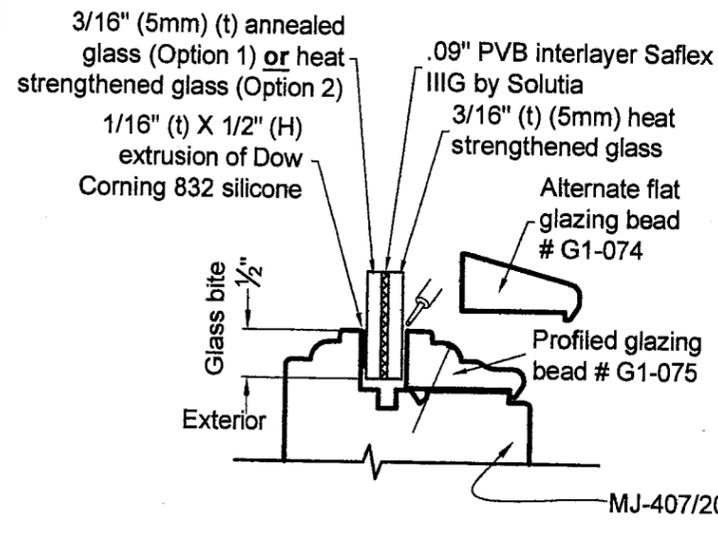
NOTES:

- 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 Florida Building Code, 2004 edition with the 2005 supplement.

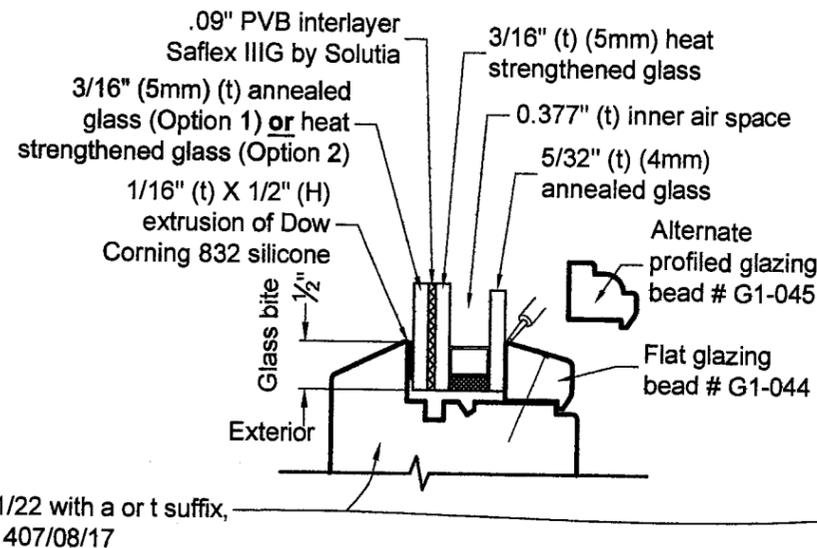
 Backing rod and sealant as required
 Numbers in circle are referring to bill of materials (sheet 7)

GLAZING DETAILS

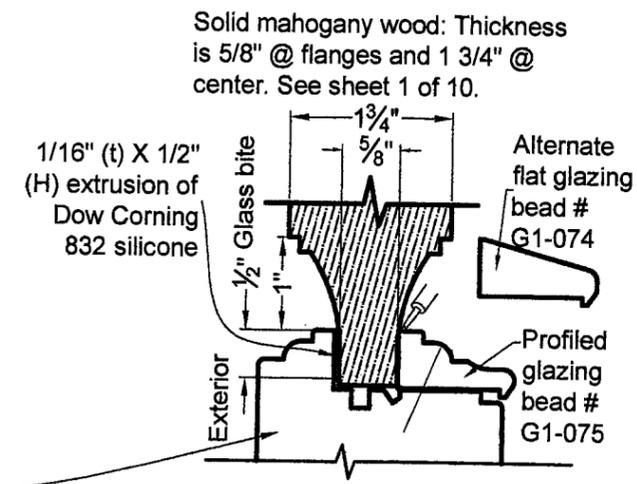
Typ. glazing w/ monolithic laminated glass



Typ. glazing w/ double insulated glass



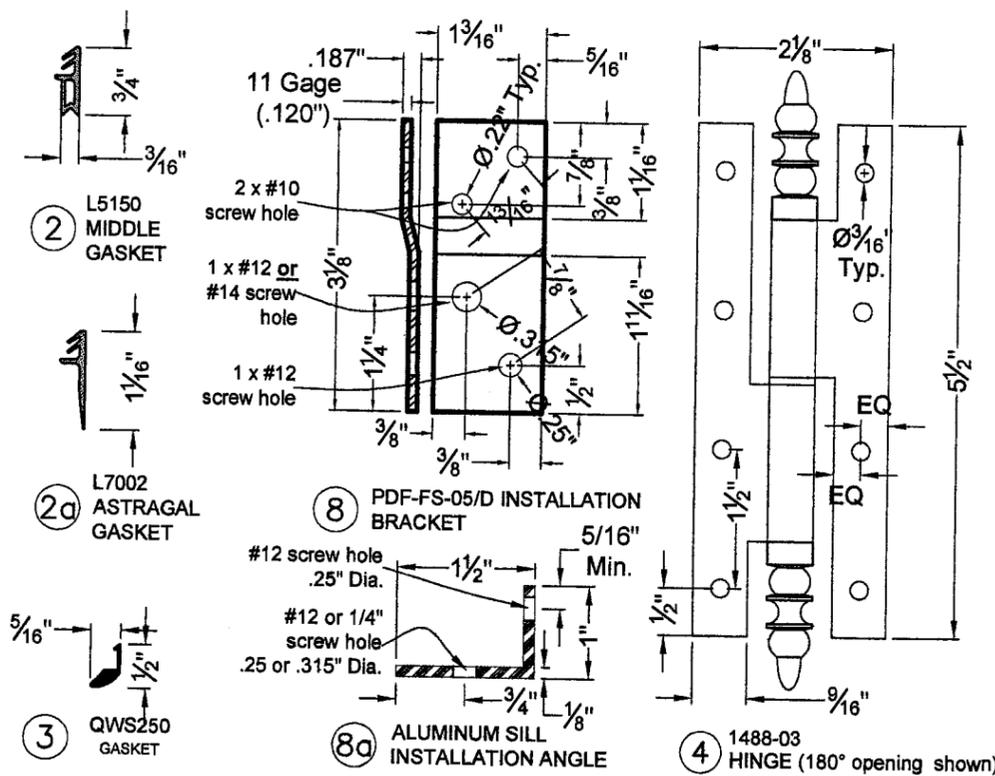
Typ. glazing w/ raised wood panel



MJ-407/20/21/22 with a or t suffix,
HJ 407/08/17

NOTE: All glazing beads fixed at the glass perimeter w/ #18 gauge x 1" long finishing nails spaced 2" from the corners and 10" o/c.

ACCESSORIES



BILL OF MATERIALS

(see also related cross sections details)

Ref.	ITEM DESCRIPTION	MANUFACTURER / NOTES
②	Brügman L5150, Push-in EPDM middle gasket	Push-in gasket, in a continuous groove around the sash.
②a	Brügman L7002, Push-in EPDM In-active astragal meeting stile middle gasket	Push-in gasket in a continuous groove. Ends @ sash's head & sill glued to the L5150 gasket
③	Schlegel QWS250 Polyurethane foam gasket.	Push-in gasket, in a continuous groove around the sash. Mitre cut @ corners.
④	Jardinier Massard S.A. 1488-03 painted steel hinges	Qty, max. o/c & from corner dist. as per MAX. HINGES SPACING table on sheet 1. Fasteners: 4x #7 x 1" flat head screws on sash and frame for each hinge.
⑤	Ferco multi-point lock system.	Ferco G-20755 corner gear Ferco 6-26295 steel intermediate arm Ferco 6-25485 steel mechanism Ferco 6-26076 steel lever. Bronze cast alloy keeper, #833856.
⑦	Lock handle	As required to operate lock.
⑧	PDF-FS-05/D Installation bracket Gage 11 ASTM A653 SQ 33 G90 galvanized steel	For Anchor types, sizes and spacing, see ANCHOR REQUIREMENTS TABLE on sheet 6
⑧a	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS TABLE on sheets 6

REF. NUMBERS ARE RELATED TO THOSE USED ON CROSS SECTIONS DRAWINGS



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

JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 05/08/06

File: JS-3-OUT
Page: 7/10

STRUCTURALLY REVIEWED BY:

WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC.NO. 44167

[Signature]

MAY 03 2006



TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

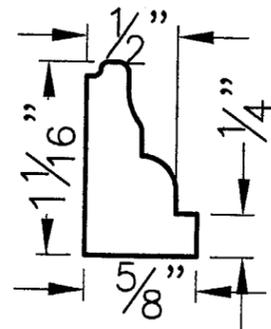
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0208.04
Expiration Date 02/08/11
By *[Signature]*
Miami Dade Product Control
Division

WOOD PROFILES

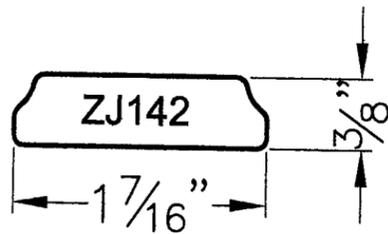
NOTES:

-These profiles apply to elevations on sheet 1 only.

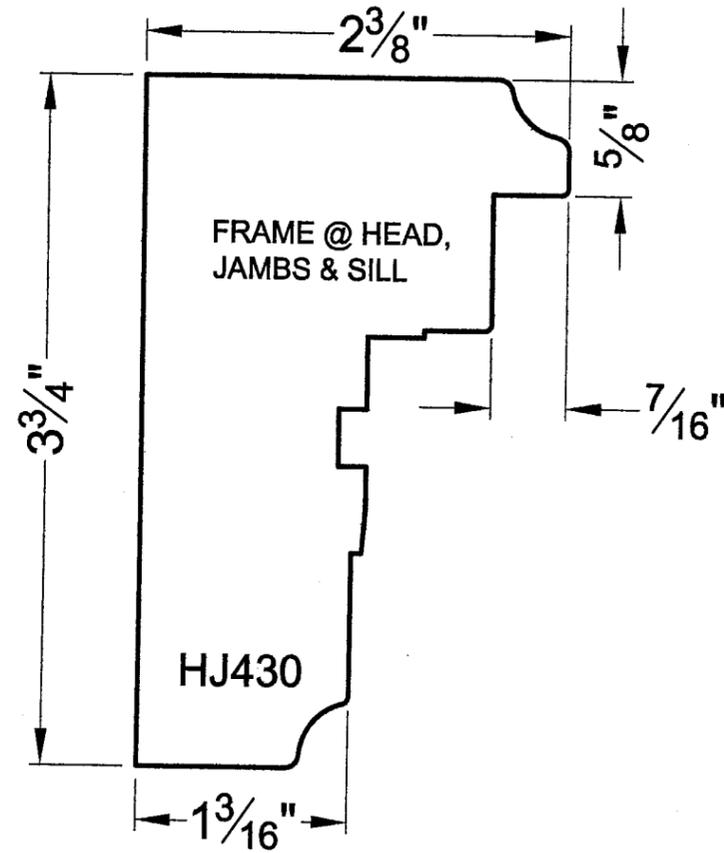
-All profiles dimensions are minimum dimensions.



GJ064
GLAZING BEAD

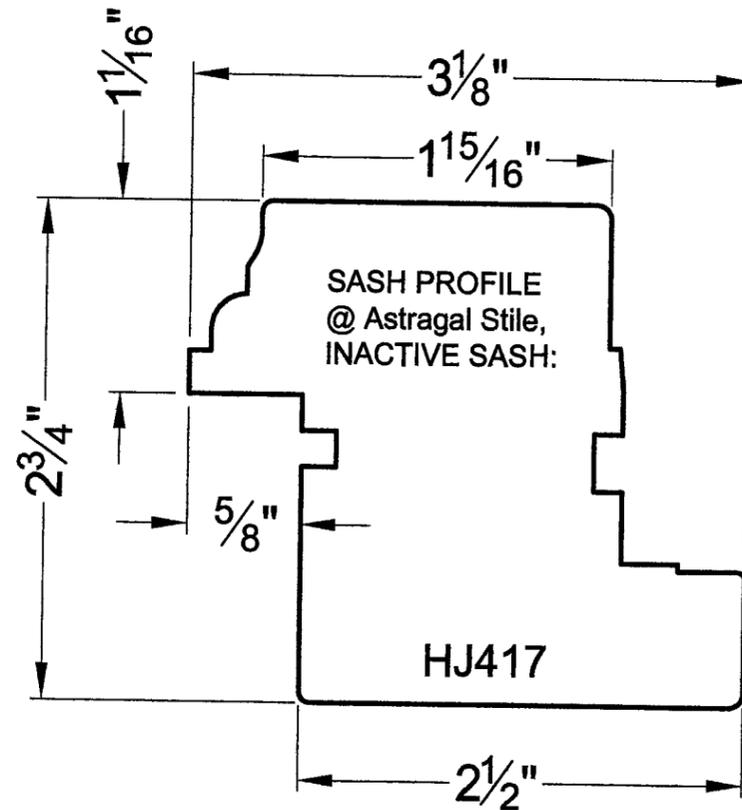


ZJ142
ASTRAGAL MOULDING



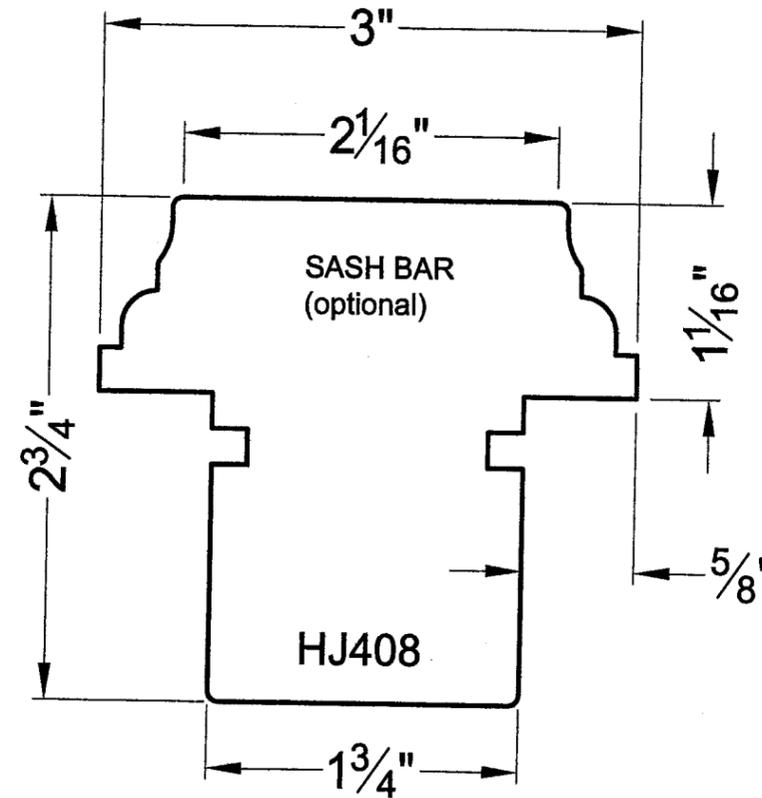
FRAME @ HEAD,
JAMBS & SILL

HJ430



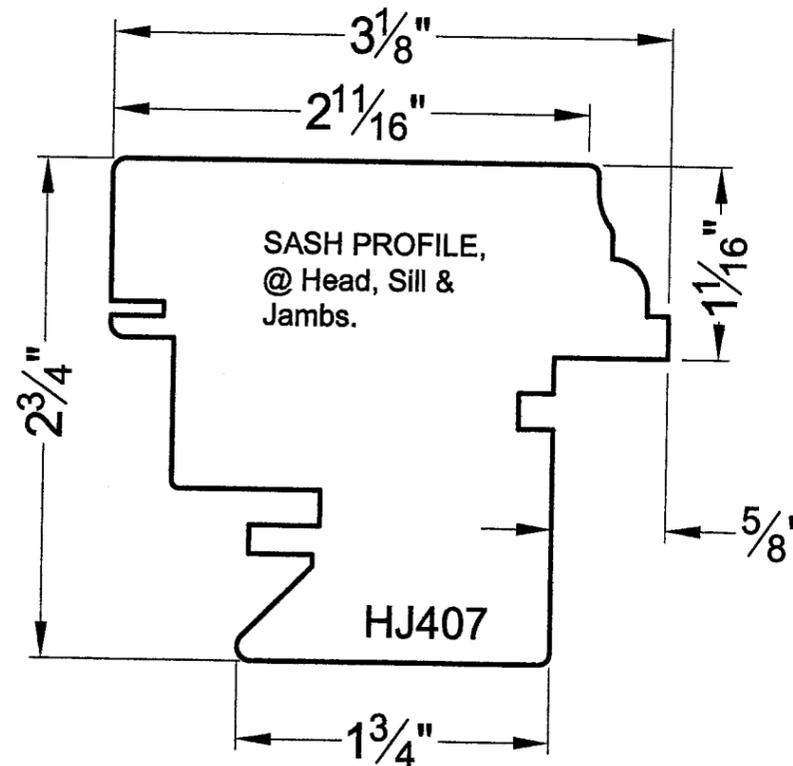
SASH PROFILE
@ Astragal Stile,
INACTIVE SASH:

HJ417



SASH BAR
(optional)

HJ408



SASH PROFILE,
@ Head, Sill &
Jambs.

HJ407



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

JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 05/08/06

File: JS-3-OUT Page: 8/10

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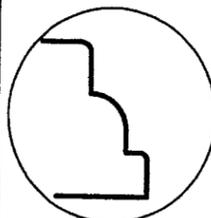
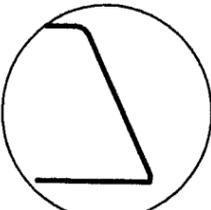
By *[Signature]*
Miami Dade Product Control
Division

WOOD PROFILES

NOTE: All profiles dimensions shown are minimum dimensions.

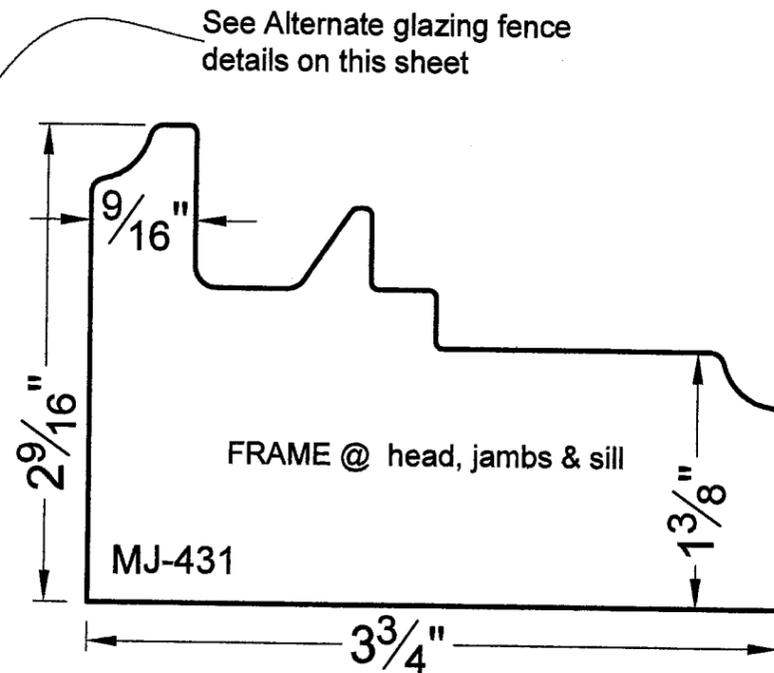
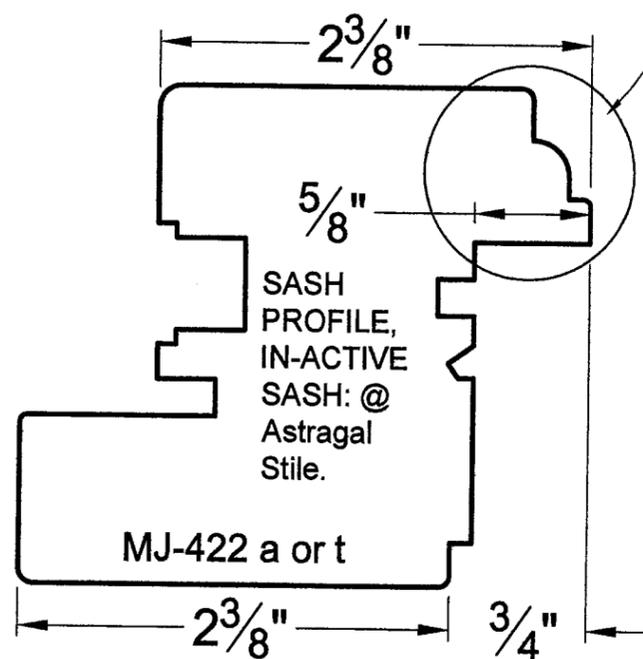
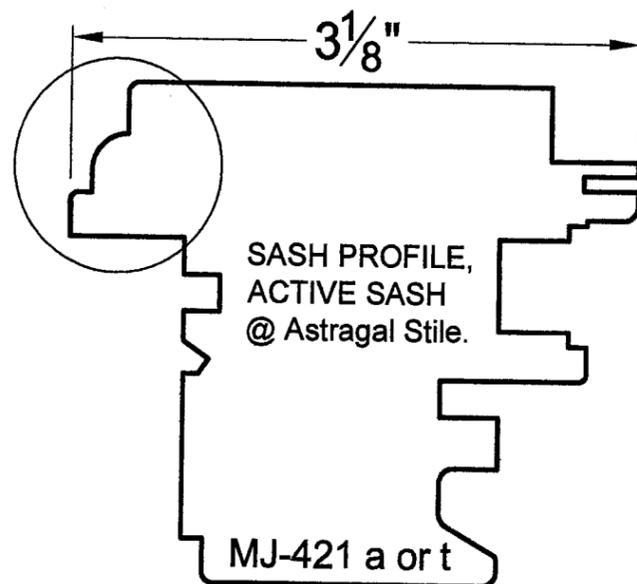
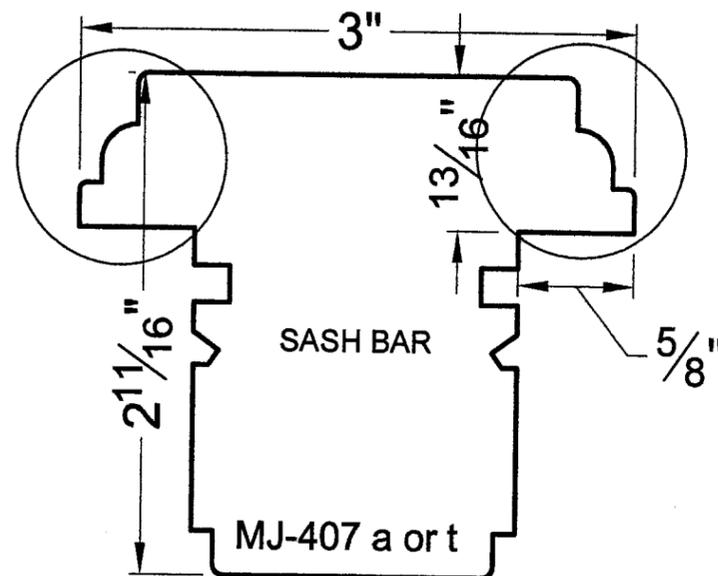
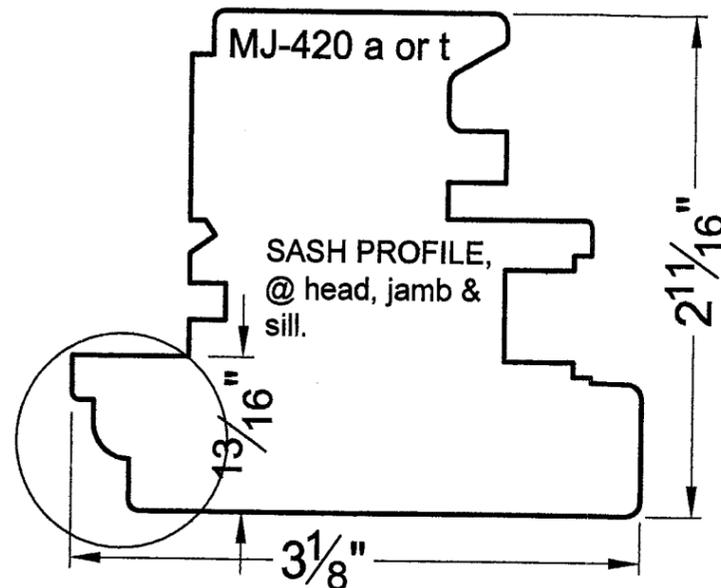
Alternate glazing fence details

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

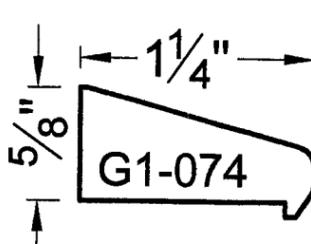
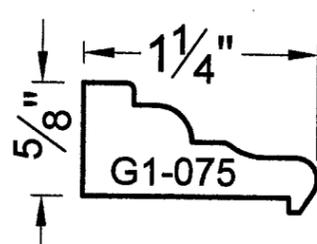
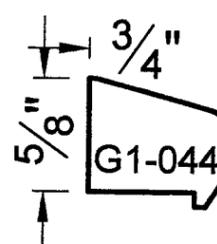


Moulded glazing fence: Part number w/ "t" suffix.

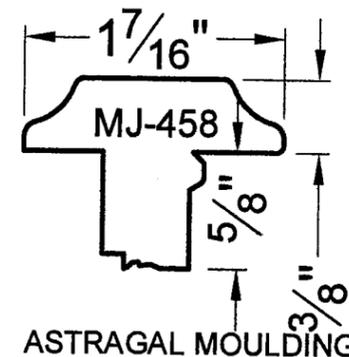
NOTE: These profiles apply to elevations on sheet 2 only



See Alternate glazing fence details on this sheet



GLAZING BEADS



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

JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 05/08/06

File: JS-3-OUT Page: 9/10

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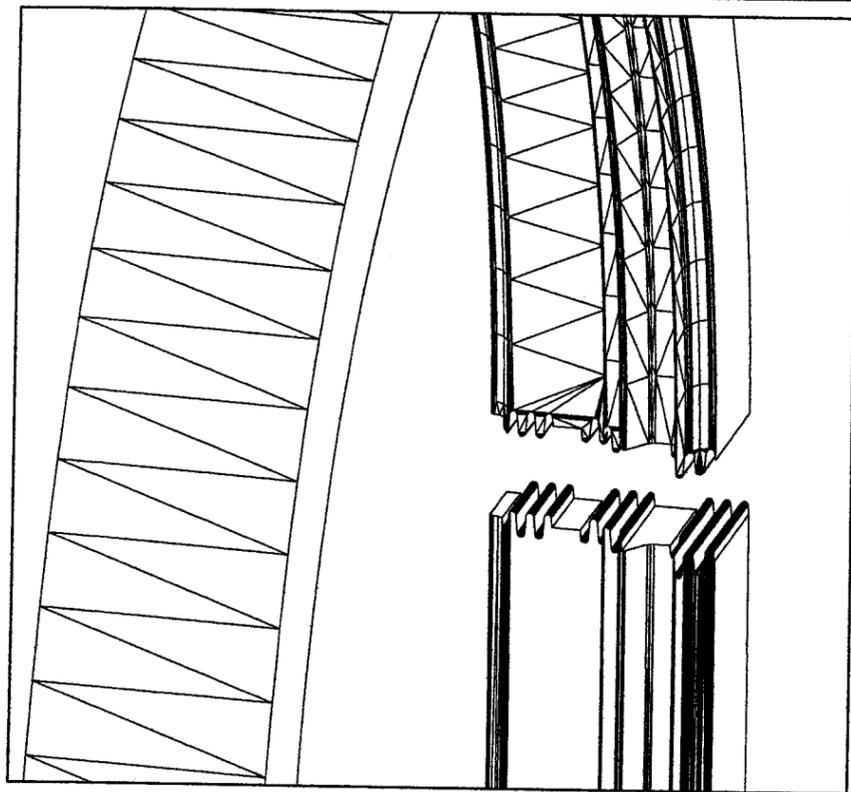
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC. NO. 44167

MAY 08 2006



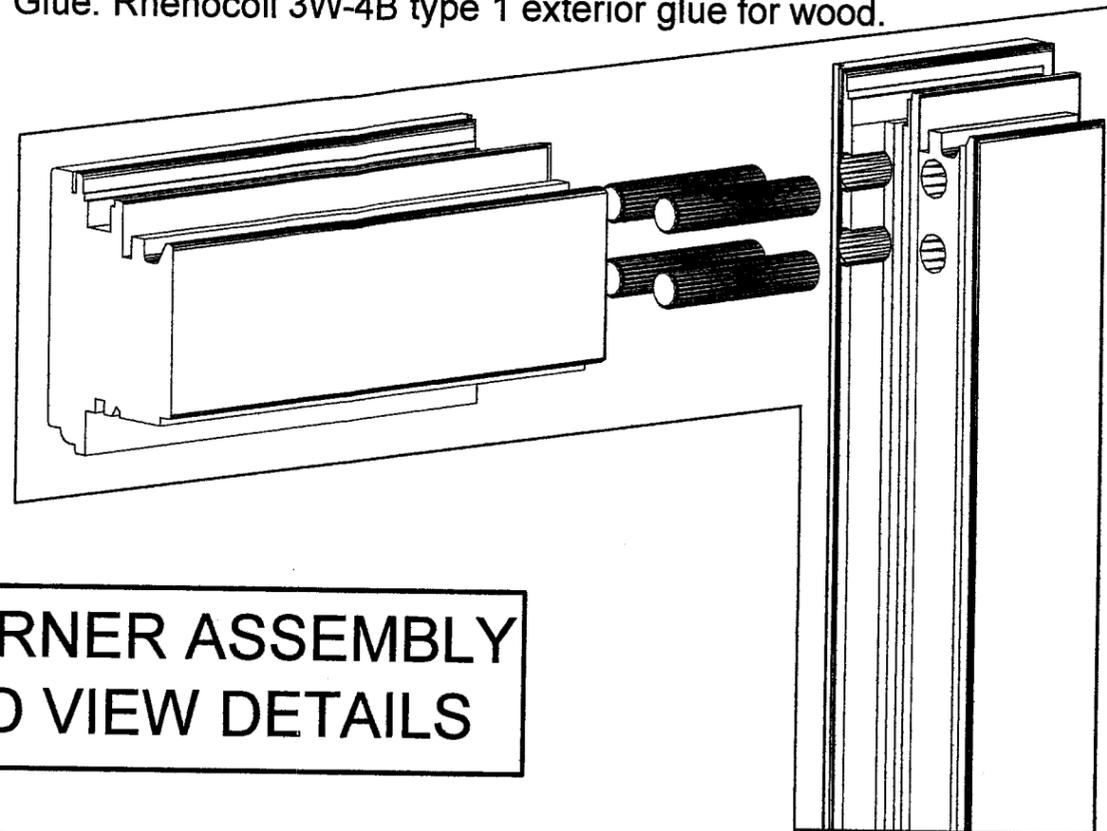
TILLIT TESTING & ENGINEERING COMPANY
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FL E.B. LICENSE No. 0006719

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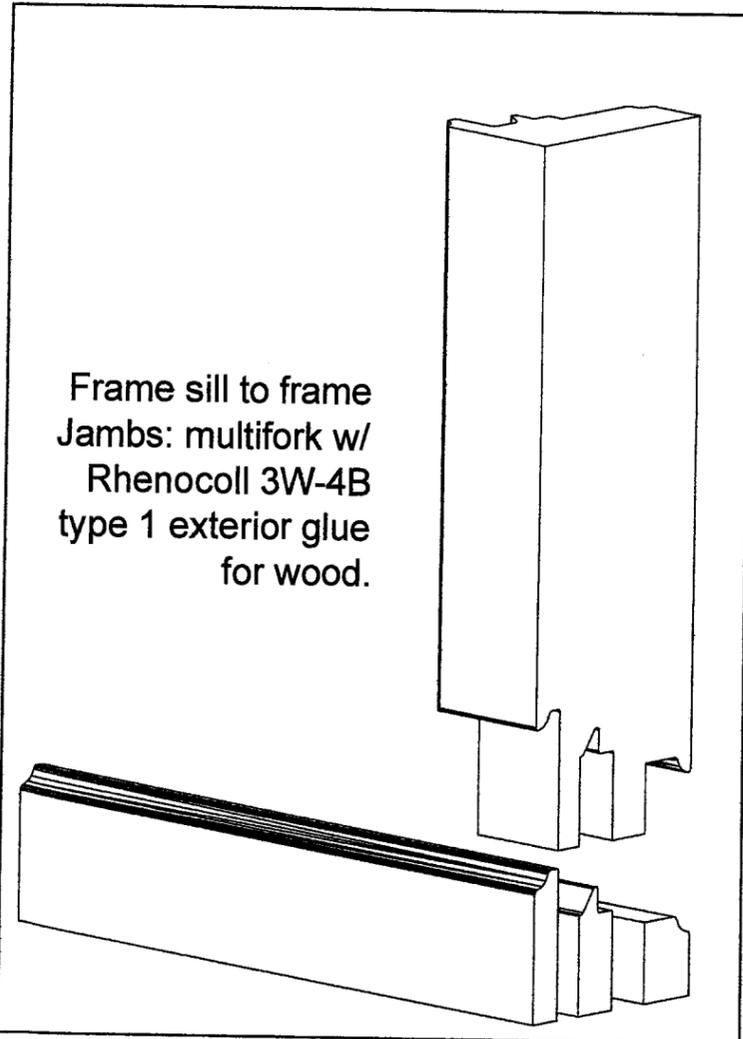


Finger Joints assembly for full arched members; Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.

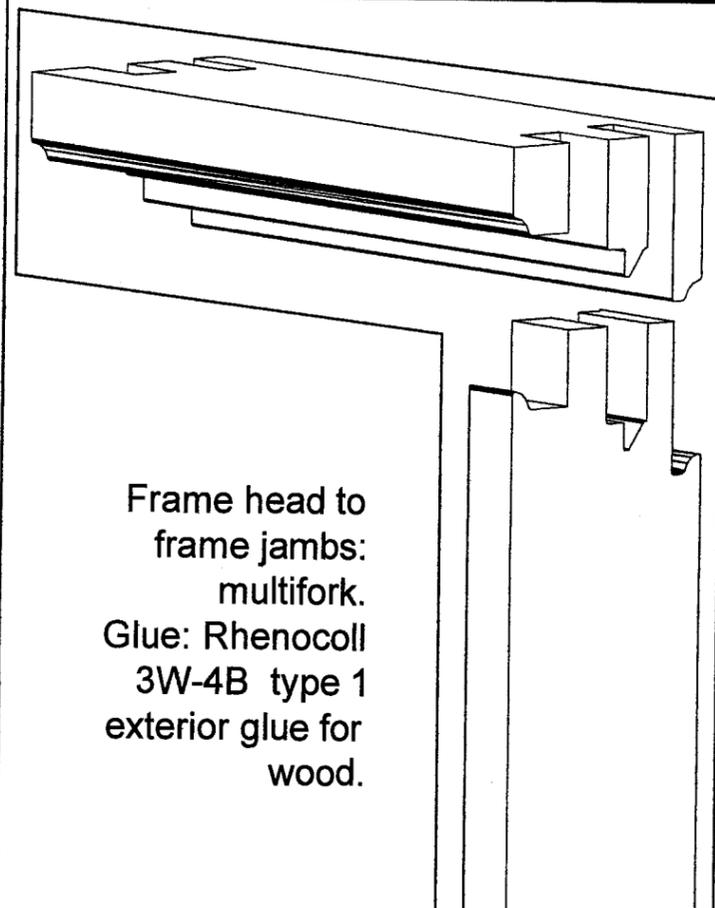
Sash rails to sash stiles: 4x 7/16" x 2 3/4" wood dowels, w/ 1 3/8" embedment to each profile
Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.



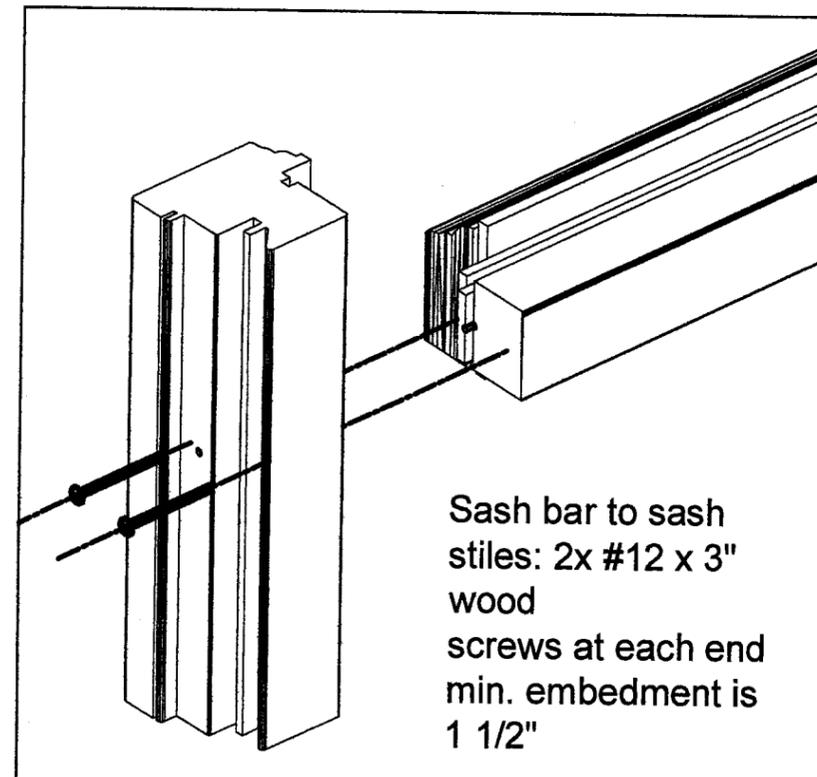
**CORNER ASSEMBLY
3D VIEW DETAILS**



Frame sill to frame Jamb: multifork w/ Rhenocoll 3W-4B type 1 exterior glue for wood.



Frame head to frame jamb: 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"

mq
WINDOWS
OF EUROPE AND
THE AMERICAS

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

**JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 05/08/06
File: JS-3-OUT	Page: 10/10

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TILLIT TESTING & ENGINEERING COMPANY
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MIAMI, FLORIDA 33166
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