



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: JS Series Outswing Glazed Wood Doors-LMI

Limitation: Raised Wood panels are limited to max. area specified, in combination with Glass.

APPROVAL DOCUMENT: Drawing No JS-4-OUT, titled "JS Outswing Wood Door" Sheets 1 through 13 of 13, dated 01-10-98 and last revised on 03-30-2006, 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 & Small 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 # 99-1228.06 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 **Ishaq I. Chanda, P.E.**



41516

NOA No 05-1004.06
Expiration Date: April 20, 2011
Approval Date: April 20, 2006
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **JS-4-OUT**, titled "JS Outswing Wood Door" Sheets 1 through 13 of 13, dated 01-10-98 and last revised on 03-30-2006, 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 a outswing wood door prepared by Hurricane Test Laboratory, LLC, Test Report No (s). **HTL-0118-0131.03** (sample #1), **HTL-0118-0507.03**, **HTL-0118-0722.03**, all dated 2/3/03 to 7/30/03, signed and sealed by Vinu J. Abraham, P.E, signed and sealed by Vinu J. Abraham, P.E. &

Also the manufacturer's parts drawings, installation diagram and marked-up drawings of a shaped wood Windows prepared by Hurricane Test Laboratory, LLC, Test Report No **HTL-0118-0204.03**, dated 2/12-13/03, signed and sealed by Vinu J. Abraham, P.E.

3. Additional test reports transferred from file # **99-1228.06**:

3.1 Test Report No. **HTL-0118-1103-98(Sp# 1, 2, 3 & 7)**, **HTL-0118-1006-98 (Sp4 & 7)** **HTL-0118-1218-98 (Sp#1)**, **HTL-0118-0702-99 (Sp#1)**, along with manufacturer's parts and section marked drawings prepared by Hurricane Testing Laboratories, dated 10/15//98 thru 07-06-99, signed and sealed by Timothy S. Marshall, P.E., for the following tests:

- 1) Air Infiltration Test, per PA 202-94
- 2) Uniform Static Air Pressure Test, Loading per PA 202-94
- 3) Water Resistance Test, per PA 202-94.
- 4) Large Missile Impact test, per SFBC and PA201-94
- 5) Cyclic loading test, per SFBC and PA203-94
- 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

3.2. Test report on HTL-0118-0702-99

- 1) Large Missile Impact test, per SFBC and PA201-94
- 2) Cyclic loading test, per SFBC and PA203-94

Along with manufacturer's parts and section drawings marked by Hurricane Testing Laboratory Inc, for specimen #1(MQ-8), signed and sealed by Vinu Abraham, P.E.

3.3. Structural Test reports for HTL-0118-0702-99 (Specimen #1(MQ-8) & Specimen#2(MQ-7) and HTL-0118-1103-98(Specimen #1(MQ1)), along with manufacturer's parts and section marked-up drawings, prepared by Hurricane Testing Laboratory Inc, signed and sealed by Vinu Abraham, P.E

- 1) Air Infiltration Test, per PA 202-94
- 2) Uniform Static Air Pressure Test, Loading per PA 202-94
- 3) Water Resistance Test, per PA 202-94.

Ishaq I. Chanda
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 05-1004.06
Expiration Date: April 20, 2011
Approval Date: April 20, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2004, prepared by Tilteco Inc., dated 09/28/05, 03/03/06 and last revised on 03-29-2006, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Anchor verification calculations, complying w/ FBC-2004, prepared by Tilteco Inc., dated 03/03/06 and revised on 03-30-2006, signed and sealed by Walter A. Tillit, Jr., P.E. (Transferred from file # # 99-1228.06)
3. Glazing complies w/ ASTM E-1300-98

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 "Engineer still in business" dated March 06, 2006, signed & sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of conformance to FBC 2004 dated March 06, 2006, signed & sealed by Walter A. Tillit, P.E.
3. Stateman letter of conformance, dated 11-24-1999, and "no financial interest", dated 01-08-2001 signed and sealed by Walter A. Tillit Jr., P. E.
4. Statement letters of compliance, part of the above test reports.
5. Addendum letter dated 04-27-00 for test reports, **HTL-0118-1103-98 (Sp#1), -0118-1006-98(Sp#2) , 0118-0702-99(Sp#1 (MQ-8)) and 0118-0702-99(Sp#2 (MQ-7))**, prepared by Hurricane Testing Laboratories, , reviewed, signed and sealed by Vinu Abraham, P.E.

G. OTHER

1. This NOA **revises & renews # 99-1228.06**, expiring 02-08-2006.
2. Test proposals dated 3/26/02 thru 09/05/02, approved by BCCO.
3. Test proposal **98-0073** dated August 3, 1998& October 14,1998, approved by BCCO.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 05-1004.06

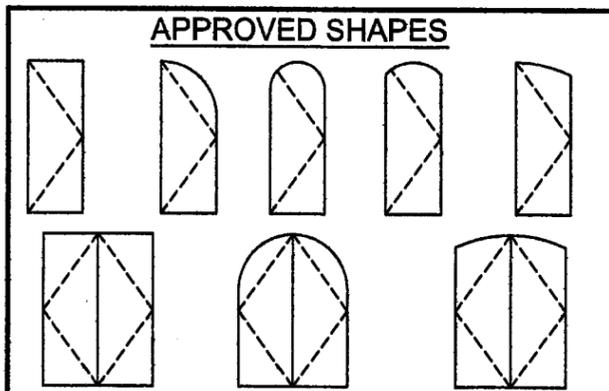
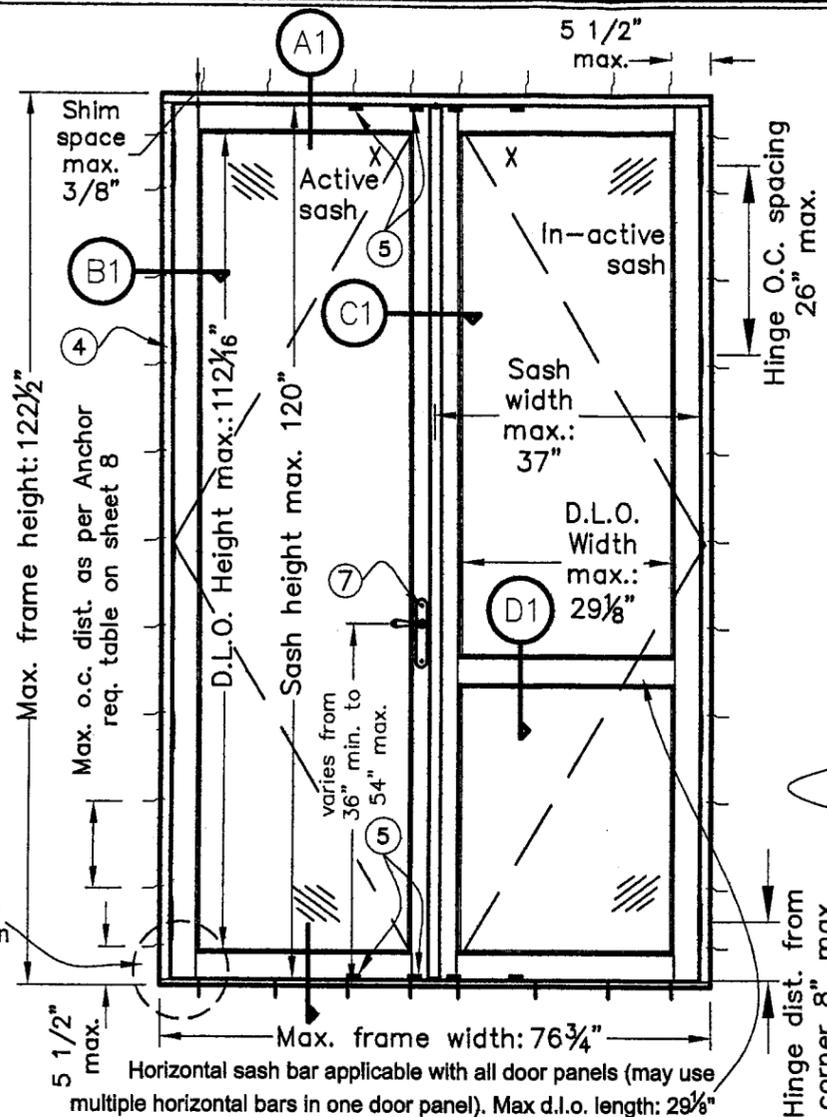
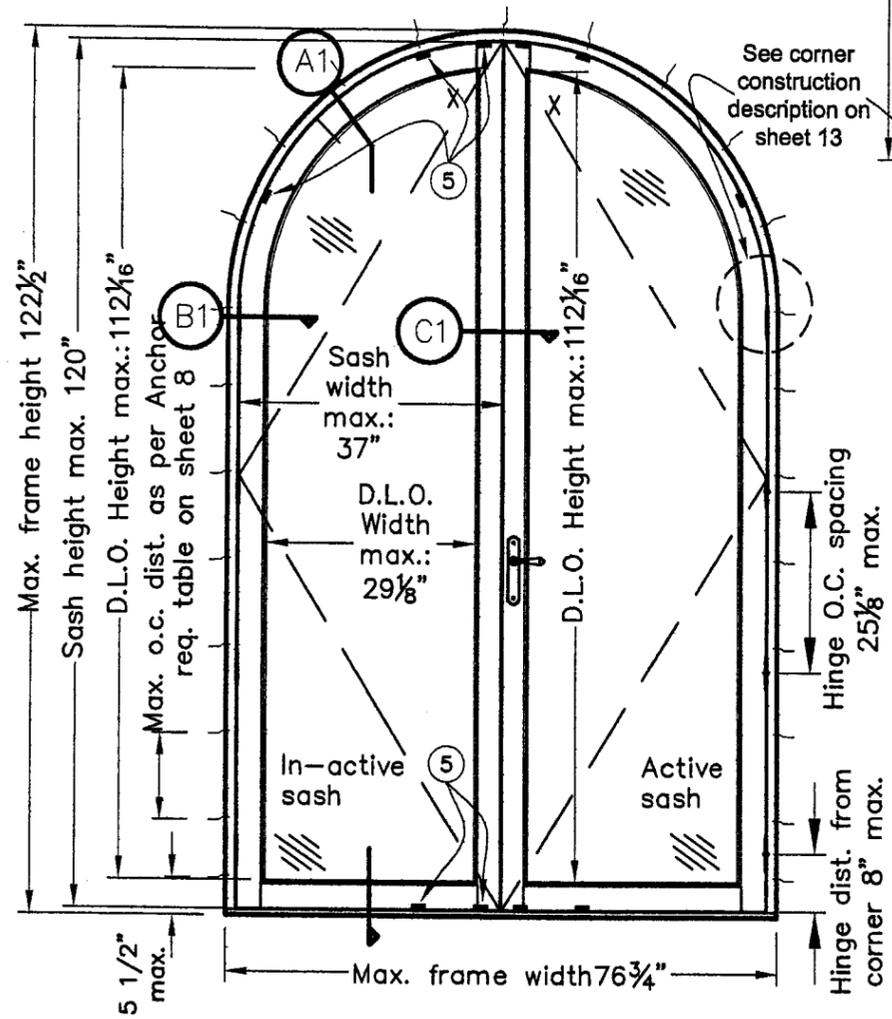
Expiration Date: April 20, 2011
Approval Date: April 20, 2006

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

**DESIGN PRESSURE
APPLYING TO THIS PAGE**
Acting inward: +60 psf
Acting outward: -70 psf
Note: All sizes noted are maximum
sizes. Sizes smaller in width &
height are permitted.

GENERAL NOTES:

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

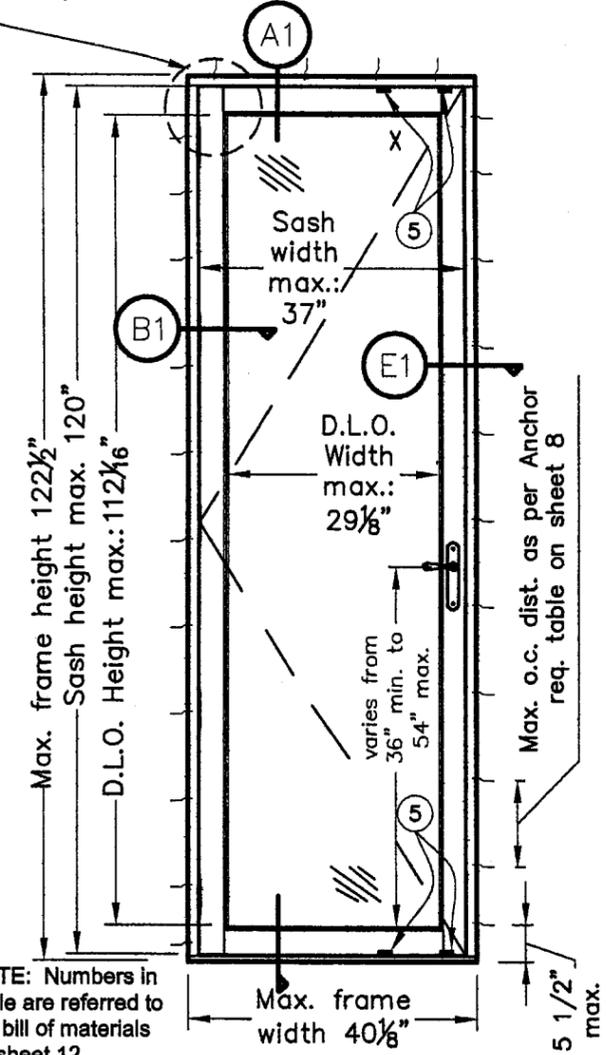


NOTES:
1. Other shapes may apply providing they are similar to those shown & have corner construction as described on sheet 13.
2. All shaped units must fit inscribed into the allowable rectangular units & be governed by the allowable pressure of the respective rectangular unit.
3. Approved shaped heads on this sheet conform to cross section A1 on sheet 4.
4. Keepers qty & location identical to shown arched door. For single panel full arched door, keepers at head evenly distributed.

NOTE: Numbers in circle are referred to the bill of materials on sheet 12.

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	
1" (O.T.) Made of: 3/16" (AN) - 0.090" PVB plastic film interlayer Saflex IIIIG by Solutia - 3/16" (HS) - 7/16" air space - 5/32" full tempered.	
RAISED WOOD PANEL:	
Max. DLO area: -MDF veneer covered: Max. 18.92 sqf. Min. specific gravity G= 0.75= 48 lb/ft3 (0.769 g/cm3). -Solid mahogany wood: Max. 7.81 sqf	
NOTE: -Aspect Ratio (D.L.O. Height / D.L.O. Width) must be less than or equal to 5.0 for all door sizes. -See Glazing Details on sheet 9	

See corner construction description on sheet 13



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

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

Drawing no.: JS-4-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/98 Date revised: 01/11/06

File: Page: 1/13

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

Walter A. Tillit Jr.
MAR 30 2006

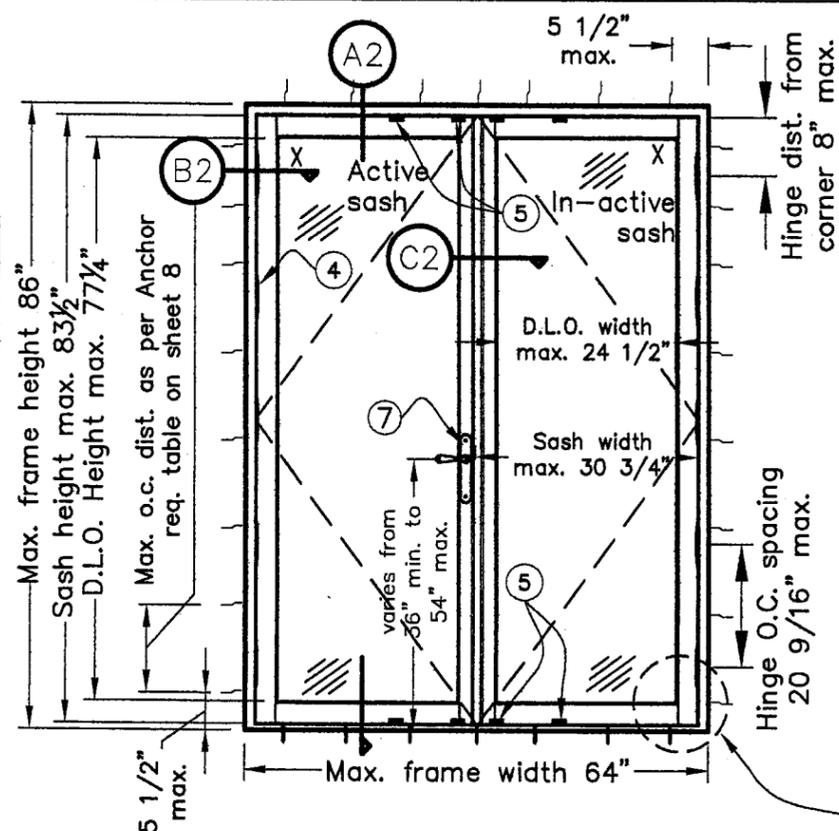


TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

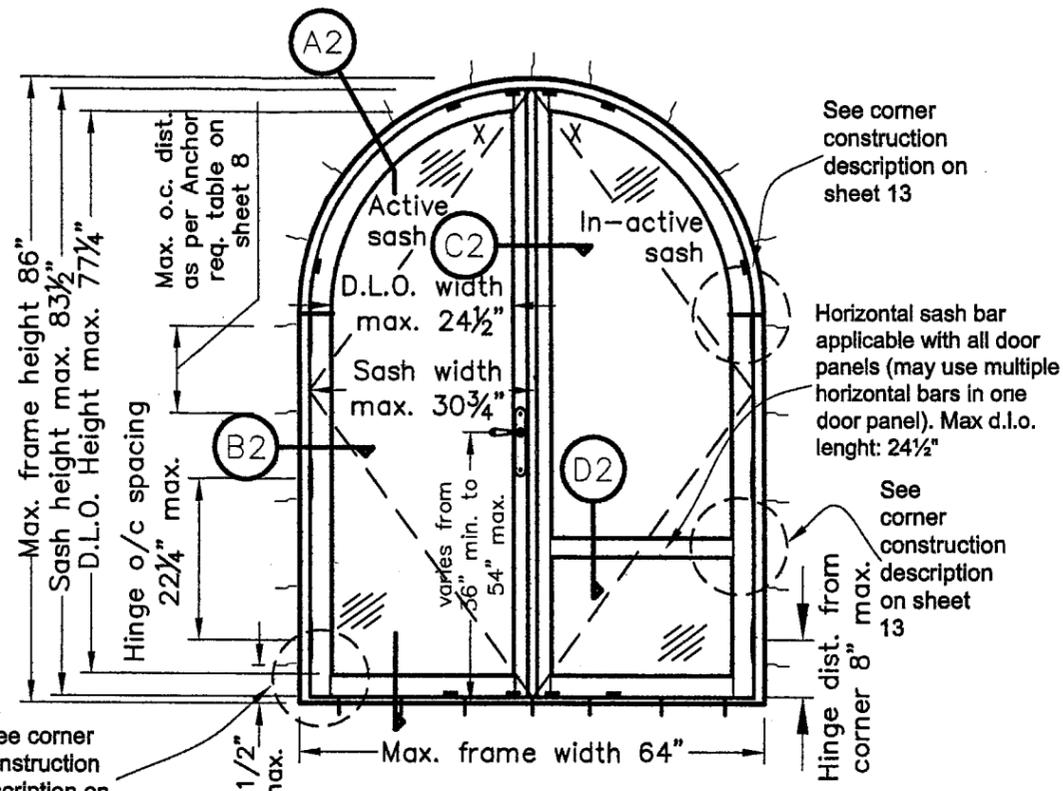
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-06
Expiration Date APRIL 20, 2011
By: Shag I. Chavala
Miami Dade Product Control
Division

DOORS, OUTSWING
NARROW PROFILES
ELEVATION VIEWS
CONFIGURATIONS: X, XX
WOOD: Mahogany
VIEWED FROM THE OUTSIDE

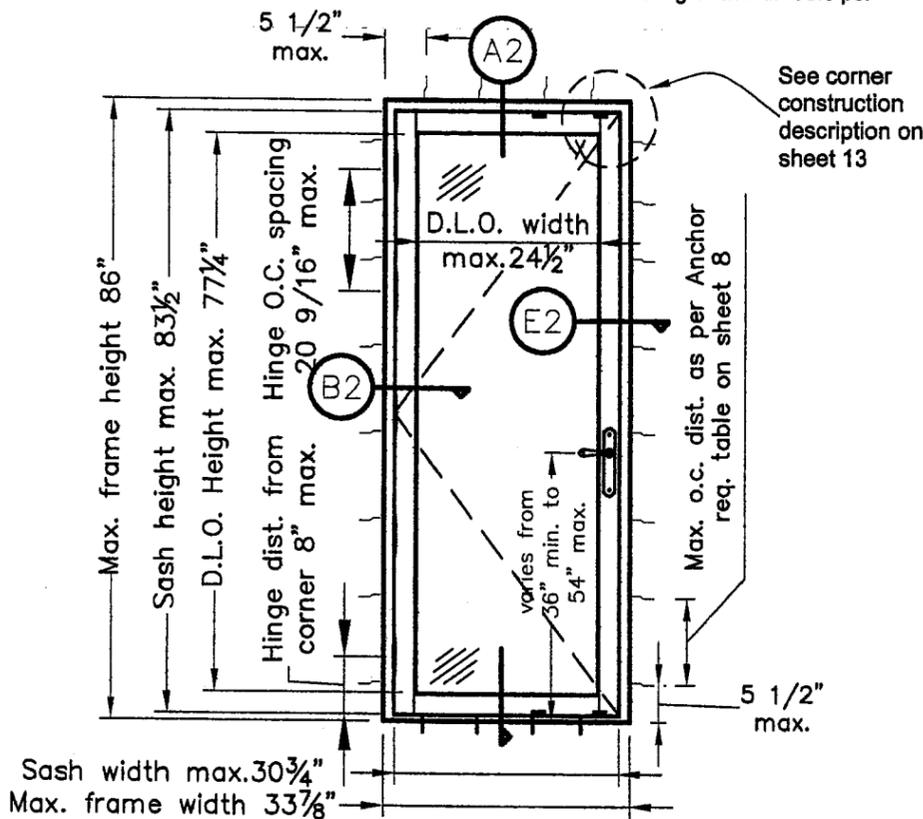
**DESIGN PRESSURE
APPLYING TO THIS PAGE**
As indicated on elevations
Note: All sizes noted are maximum
sizes. Sizes smaller in width &
height are permitted.
Shutters are not required.



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

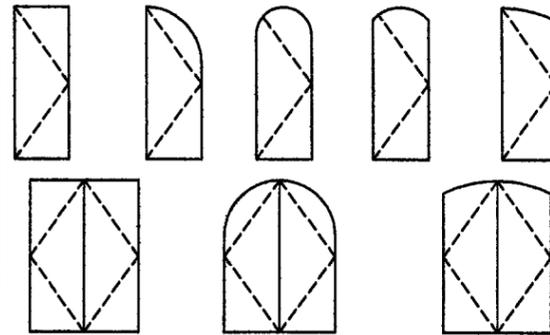


DESIGN PRESSURE RATING
Acting inward: +60.0 psf
Acting outward: -70.0 psf



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

APPROVED SHAPES



- NOTES:**
1. Other shapes may apply providing they are similar to those shown & have corner construction as described on sheet 13.
 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 door. For single panel full arched door, keepers at head evenly distributed.

NOTE: Numbers in circle are referred to the bill of materials on sheet 12.

GLAZING TYPE TABLE

GLASS: SINGLE, LAMINATED
3/16"(AN)-0.090" PVB interlayer Saflex IIIIG by Solutia-3/16"(HS)
GLASS: DOUBLE, INSULATED
1" (O.T.) Made of: 3/16" (AN) - 0.090" PVB interlayer Saflex IIIIG by Solutia - 3/16" (HS) - 7/16" air space - 5/32" full tempered.
RAISED WOOD PANEL:
Max. DLO area: -MDF veneer covered: Max. 18.92 sqf. Min. specific gravity: 48 lb/ft³ (0.769 g/cm³). -Solid mahogany wood: Max. 7.81 sqf
NOTE: See Glazing Details on sheet 9

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

Drawing no.: JS-4-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/98 Date revised: 01/11/06

File: Page: 2/13

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

[Signature]
MAR 30 2006

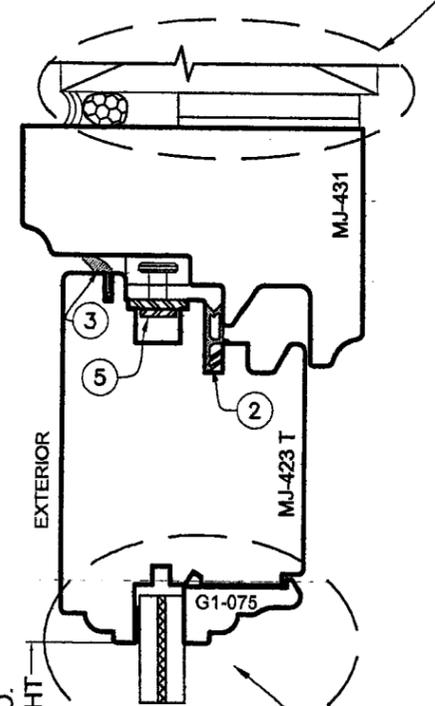


TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-06
Expiration Date April 20, 2011
By *[Signature]*
Miami Dade Product Control
Division

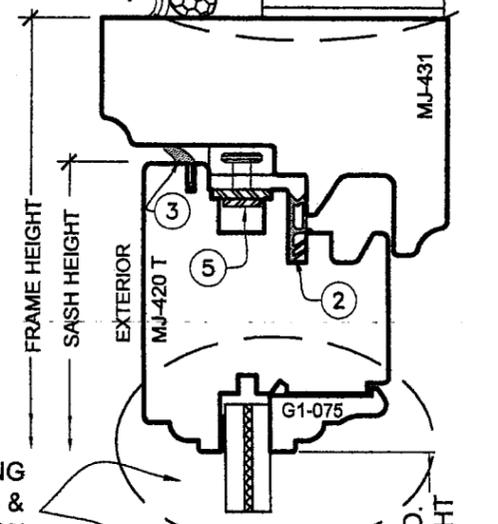
CROSS SECTION VIEWS

A1 HEAD & SILL
OUT-SWING

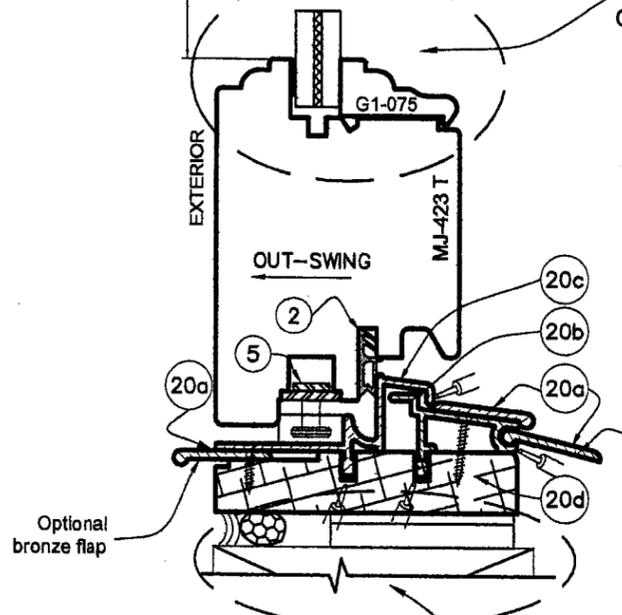


SEE ANCHORING
DETAILS ON sheet 7 & 8

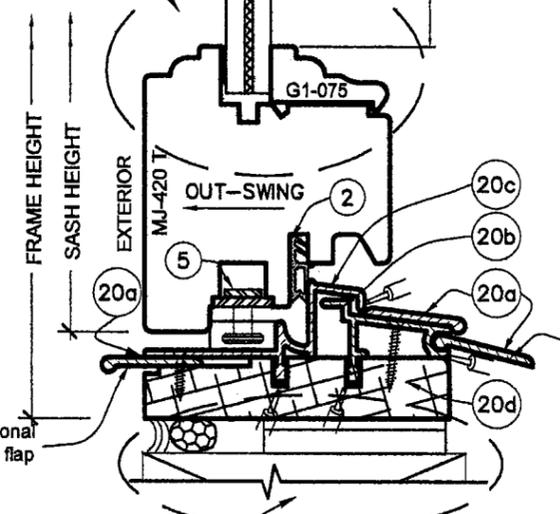
A2 HEAD & SILL
OUT-SWING



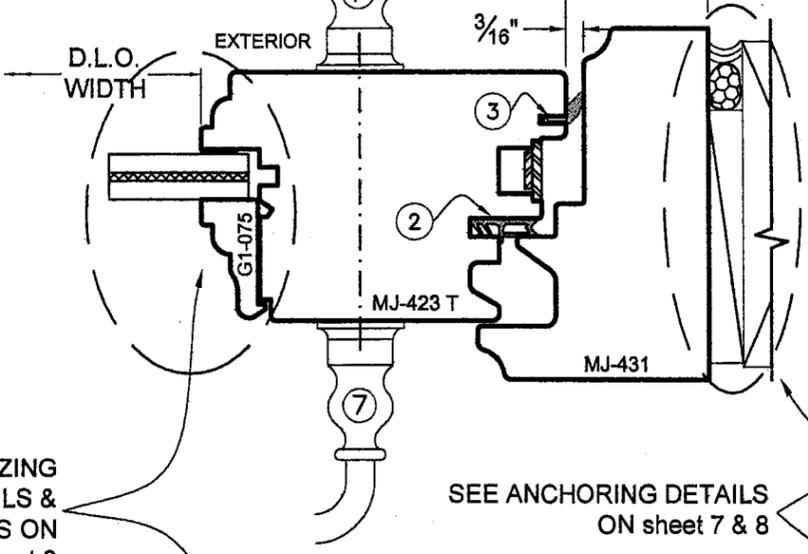
SEE GLAZING
DETAILS &
OPTIONS ON
sheet 9



SEE ANCHORING DETAILS
ON sheet 7 & 8



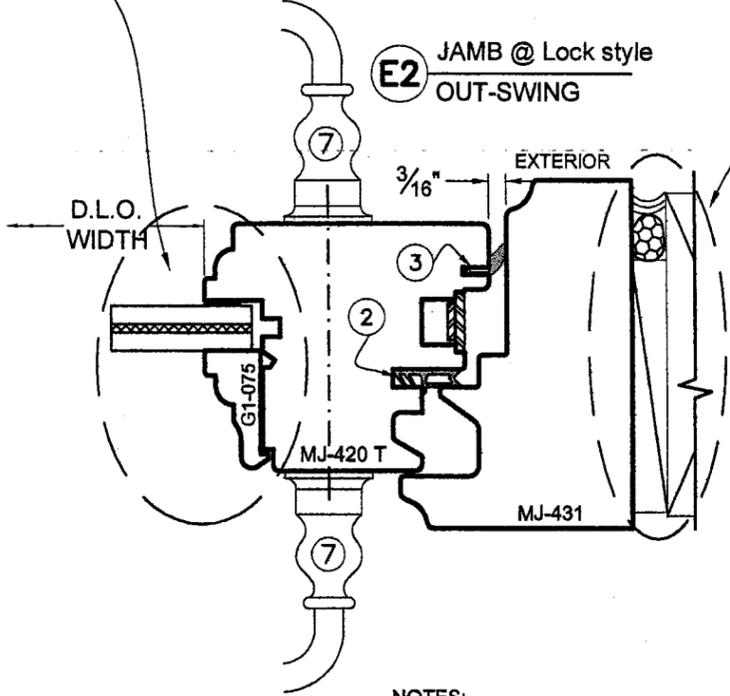
E1 JAMB @ Lock style
OUT-SWING



SEE GLAZING
DETAILS &
OPTIONS ON
sheet 9

SEE ANCHORING DETAILS
ON sheet 7 & 8

E2 JAMB @ Lock style
OUT-SWING



- NOTES:
- Clear silicone sealant at shown interfaces
 - Backing rod and sealant as required
 - Numbers are referring to bill of materials (sheet 12)

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

Drawing no.: JS-4-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/98 Date revised: 01/11/06

File: Page: 4/13

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

MAR 30 2006



TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33165
FL E.B. LICENSE No. 0006719

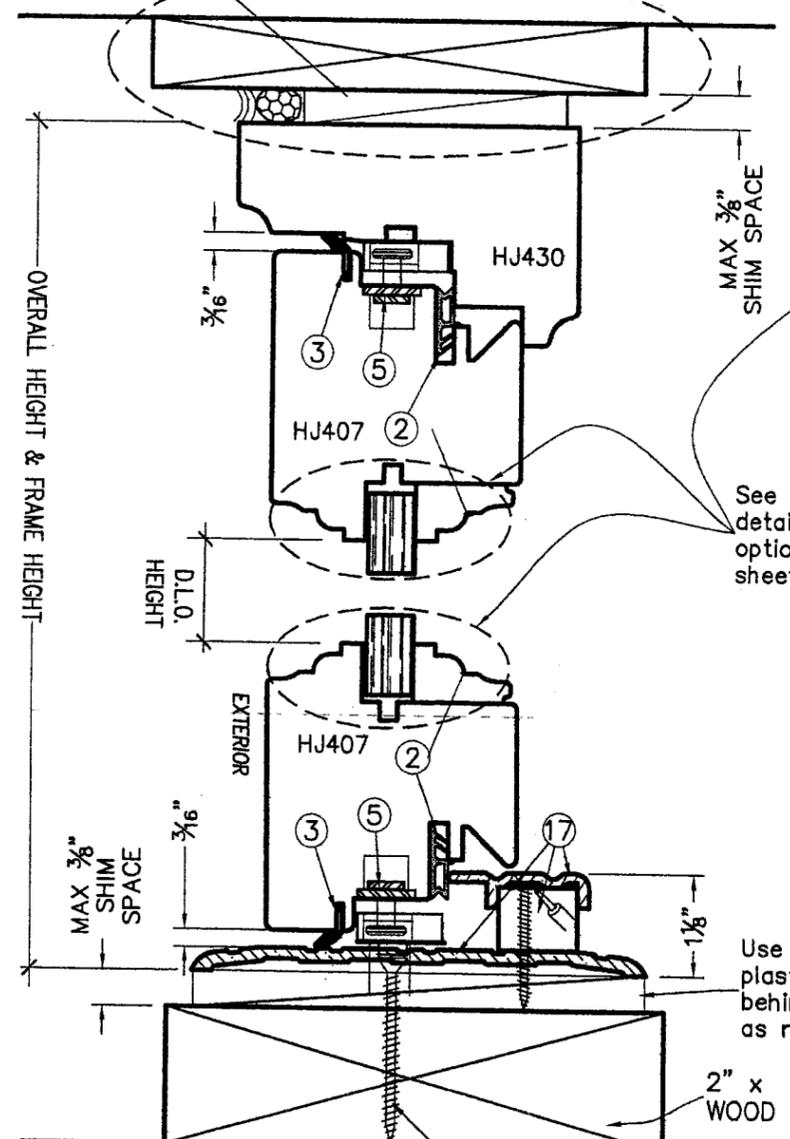
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-06
Expiration Date APRIL 20, 2011
By Ishaq I. Chaudhry
Miami Dade Product Control
Division

A3 HEAD & SILL
(@ Head)

CROSS SECTION VIEWS

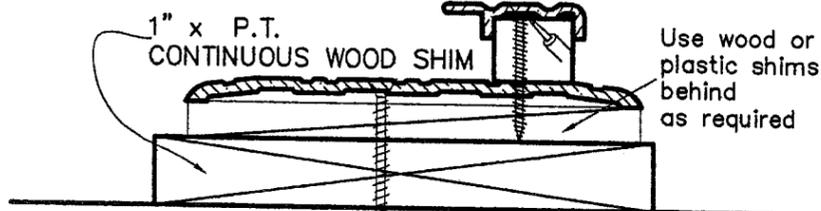
Use wood or plastic shims behind as required

See ANCHORING DETAILS on sheet 7 & 8



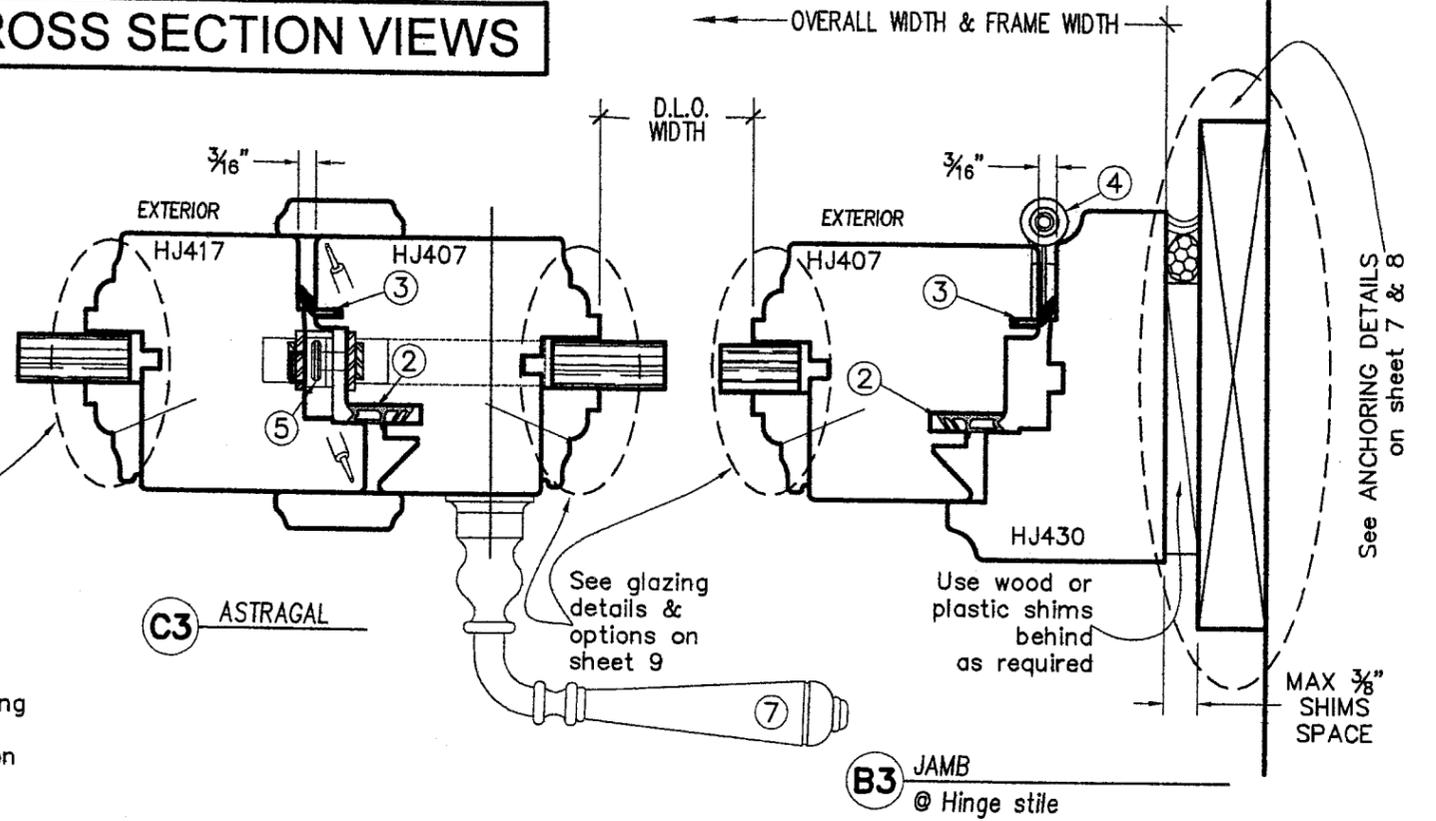
A3 HEAD & SILL
(@ Sill w/ 2x & SCREWED)

See A10 on ANCHOR REQUIREMENT TABLE (sheet 8) for fastener specification

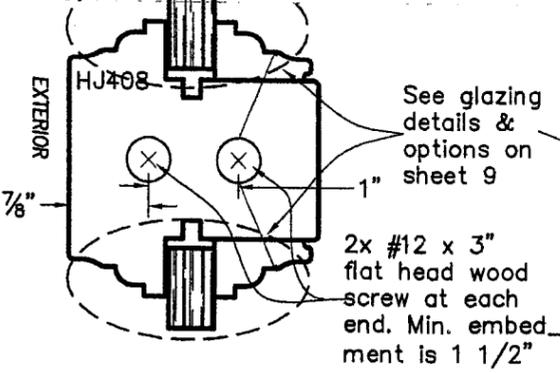


A3 HEAD & SILL
(@ Sill w/ 1x & TAPCON)

See A20 on ANCHOR REQUIREMENT TABLE (sheet 8) for fastener specification



D3 SASH BAR
(Optional)



NOTES:

-  Clear silicone sealant at shown interfaces
-  Backing rod and sealant as required
-  Numbers are referring to bill of materials (sheet 12)

E3 JAMB
@ Lock stile



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

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

Drawing no.: JS-4-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/98	Date revised: 01/11/06
File:	Page: 6/13

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

[Signature]
MAR 30 2006

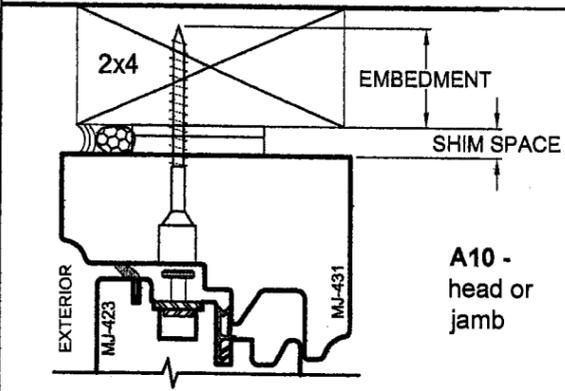


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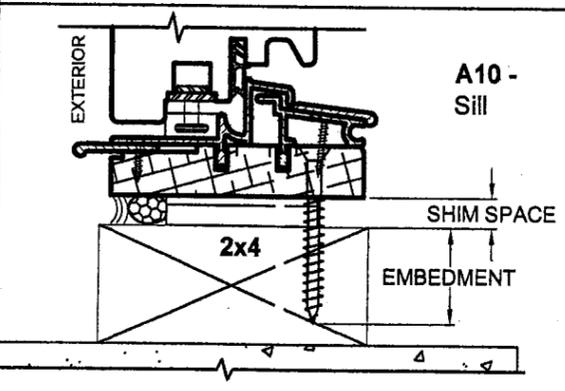
PRODUCT REVISION
as complying with the Florida
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Acceptance No. 05-1004-06
Expiration Date APRIL 2011
By Isag I. Chauda
Miami Dade Product Control
Division

ANCHORING DETAILS

A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.

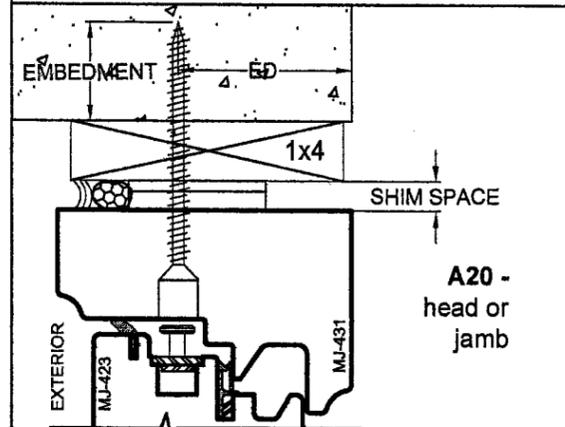


A10 - head or jamb

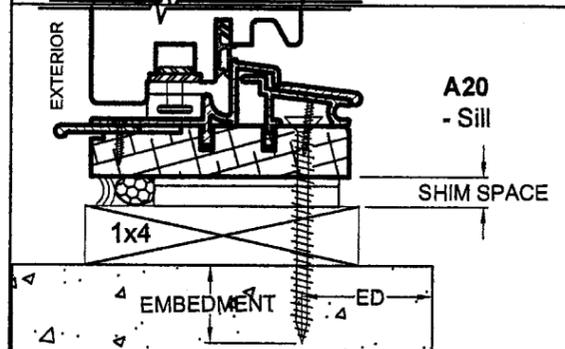


A10 - Sill

A20 - Typical direct anchor through 1x wood buck into concrete or masonry using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.

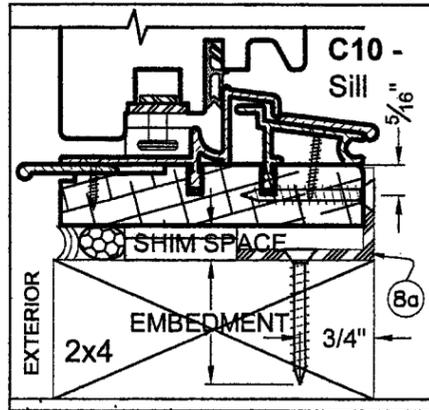


A20 - head or jamb



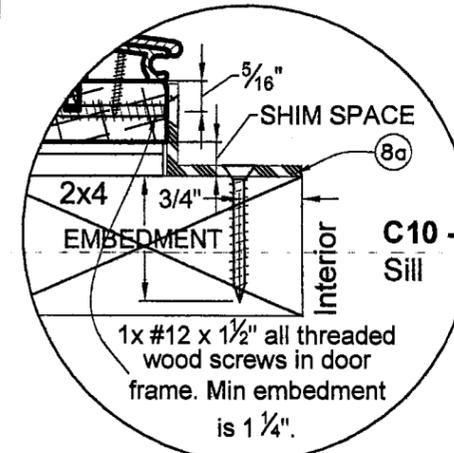
A20 - Sill

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



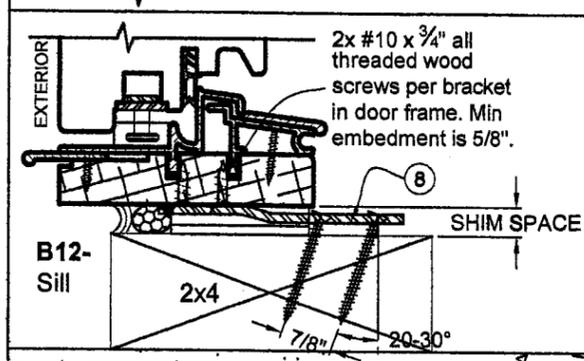
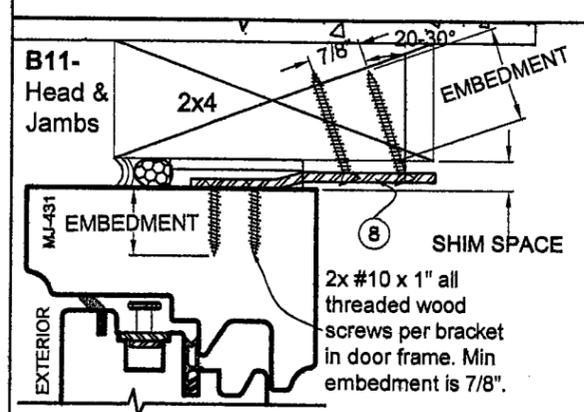
Frame's leg up on the edge of the sill, buck's leg out on the face.

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



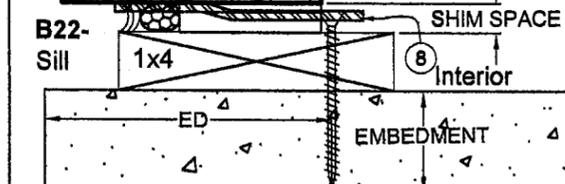
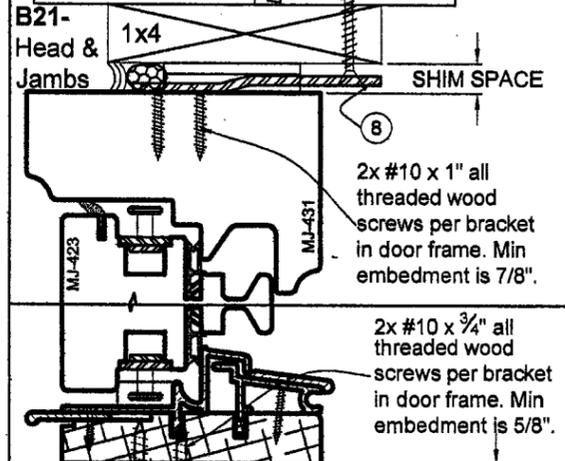
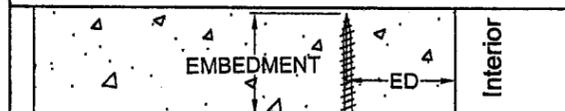
Frame's leg up on the edge of the sill, buck's leg in on the face.

B11, B12 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 8.



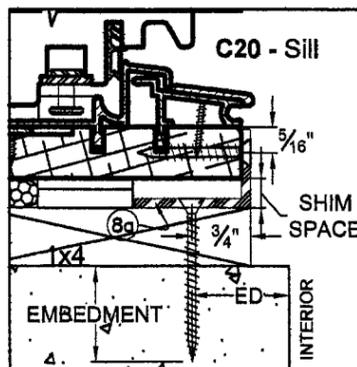
B12 - Sill

B21, B22 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete or masonry as per ANCHOR REQUIREMENTS TABLE on sheet 8.



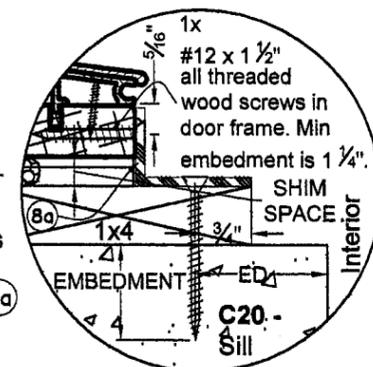
B22 - Sill

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



Frame's leg up on the edge of the sill, buck's leg out on the face.

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



Frame's leg up on the edge of the sill, buck's leg in on the face.

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

Drawing no.: JS-4-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/98
Date revised: 01/11/06

File: Page: 7/13

STRUCTURALLY REVIEWED BY:

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

MAR 30 2006



TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0009719

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-06
Expiration Date APRIL 20, 2011

By: *Shay L. Chanda*
Miami Dade Product Control
Division

ANCHORING DETAILS



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

JS SERIE
OUTSWING
WOOD DOORS
MIAMI DADE COUNTY

Drawing no.: JS-4-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/98 Date revised: 01/11/06

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MIAMI, FLORIDA 33186
FL E.B. LICENSE No. 0006719

PRODUCT REVISED
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Acceptance No. 05-1004-06
Expiration Date APR 20, 2011
By Islay I. Andrade
Miami Dade Product Control
Division

ANCHOR REQUIREMENTS TABLE

Anchoring method	Substrate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from msry edge (ED)	Min. embedment	
				From corner	On center			Into substrate	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"	3/4"	---	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"	3/4"	2 1/2"	1 1/4"	---
PDF-FS-05/D Installation bracket	2x_ wood buck	B11 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"	---	---	1 1/4"	7/8"
		B12 sill	To the buck frame: (2) #12 X 1 1/2" a.T. wood screws. To the unit frame: (2) # 10 x 3/4" a.T. wood screws.	5 1/2"	6 1/2"	---	---	1 1/4"	5/8"
	1x_ wood buck	B21 head jamb	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"	3/4"	2 1/2"	1 1/4"	7/8"
		B22 sill	Through the buck frame into the masonry: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. To the unit frame: (2) # 10 x 3/4" a.T. wood screws.	5 1/2"	6 1/2"	3/4"	2 1/2"	1 1/4"	5/8"
Continuous aluminum angle (At sill only)	2x_ wood buck	C10 sill	To the door sill and to the buck frame with (1) #12 x1 1/2" a. T. wood screw.	5 1/2"	7"	3/4"	---	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"	3/4"	2 1/2"	1 1/4"	1 1/4"

NOTES:

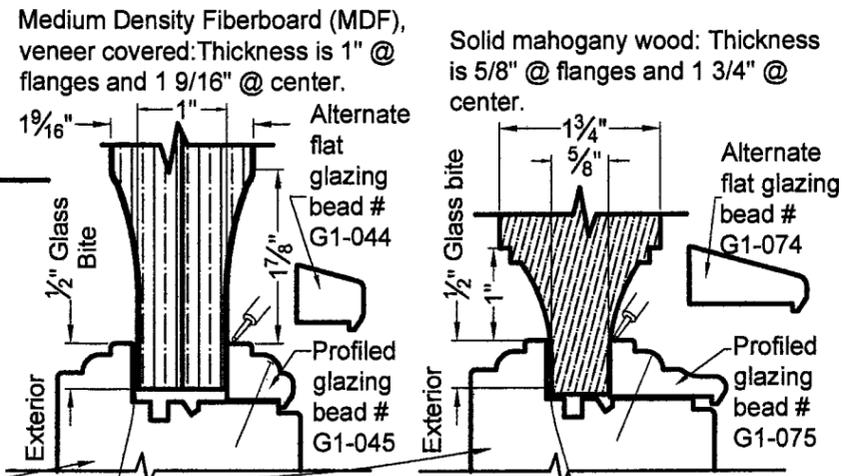
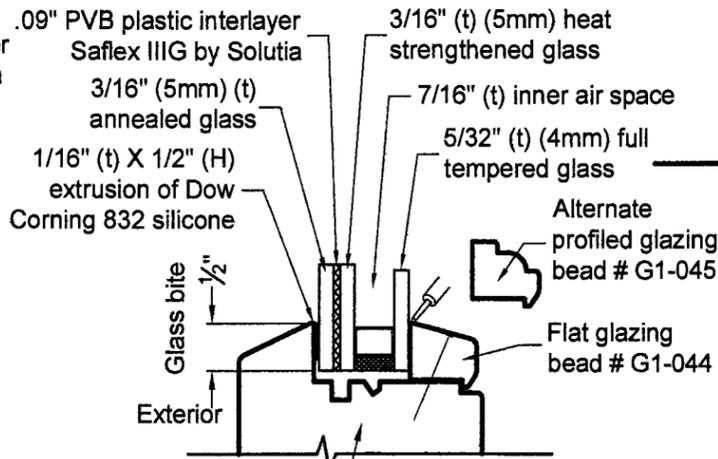
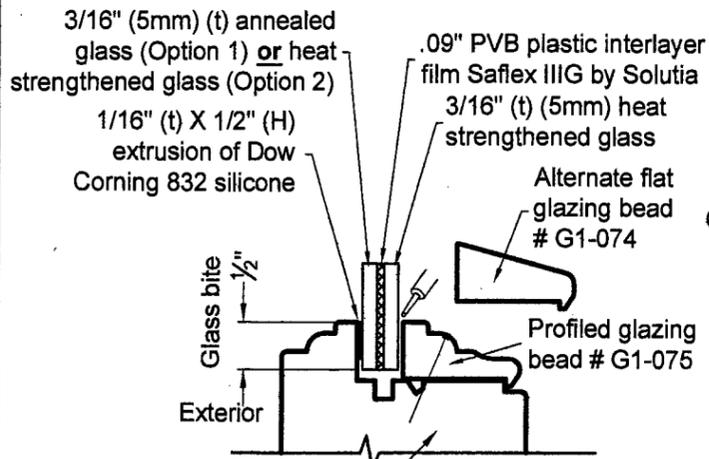
- All shim spaces between door frame and wood buck max. 3/8" @ head, jambs and sill. Use std wood or plastic shims.
- Jambs anchoring identical to head anchoring shown
- Wood bucks (by others) and openings must be designed by the professional of record to properly transfer wind loads to the main structure.
- Installation brackets (8) and aluminum angles (8a) may be positioned at the interior or exterior side of the door.
- 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.

))) Backing rod and sealant as required

Numbers in circle are referring to bill of materials (sheet 12)

GLAZING DETAILS

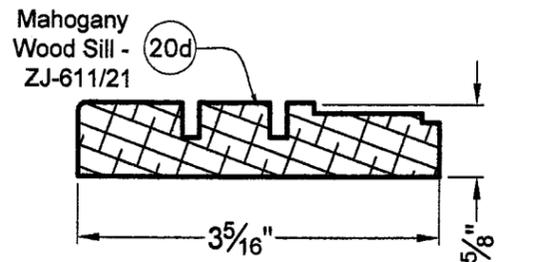
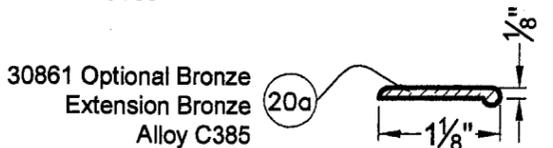
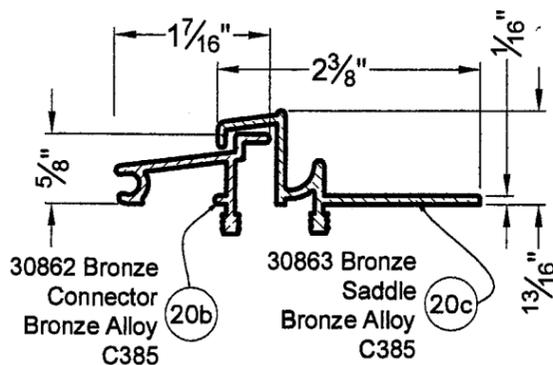
Typ. glazing w/ monolithic laminated glass Typ. glazing w/ double insulated glass Typ. glazing w/ raised wood panel



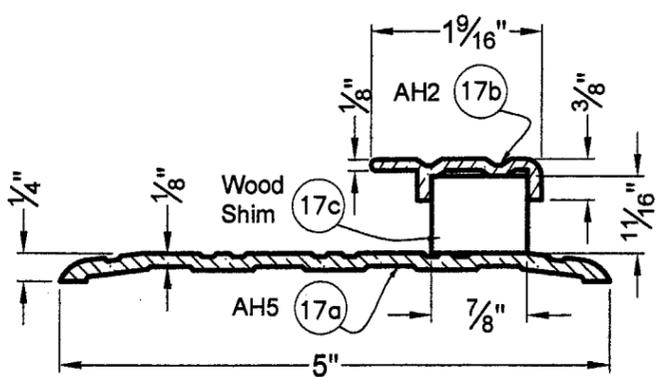
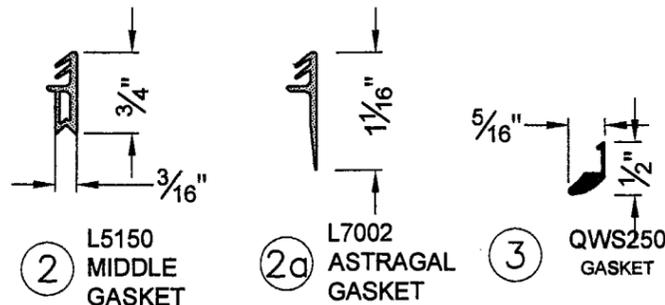
MJ-407/08/20/21/22/23/27/28 with a or t suffix and HJ407/08/17

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.

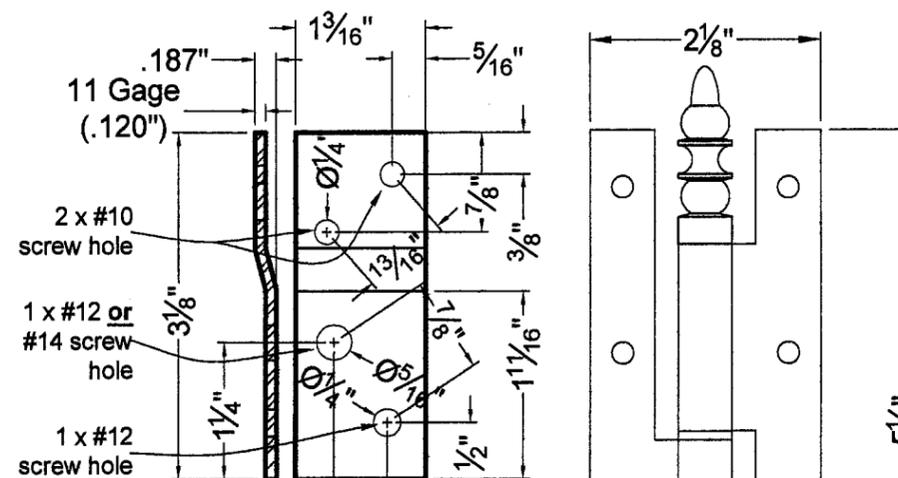
ACCESSORIES



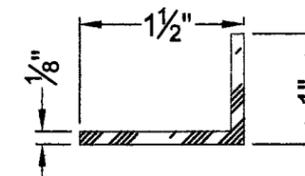
20 BRONZE SADDLE OVER WOOD SILL



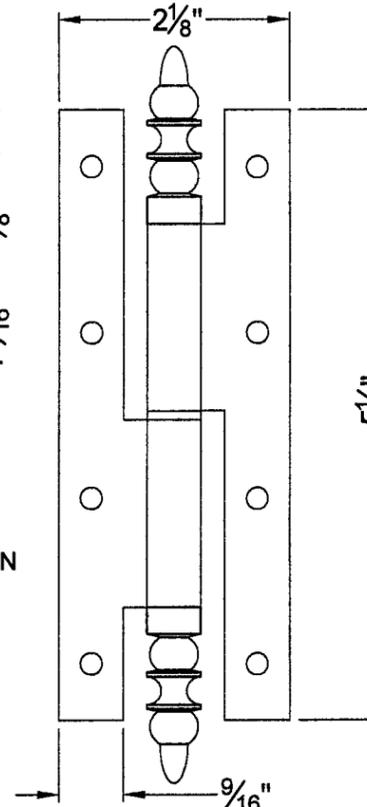
17 ALUMINUM FLAT SILL



8 PDF-FS-05/D INSTALLATION BRACKET



8a ALUMINUM SILL INSTALLATION ANGLE



4 1488-03 HINGE (180° opening shown)

JS SERIE
 OUTSWING
 WOOD DOORS
 MIAMI DADE COUNTY

Drawing no.: JS-4-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/98 Date revised: 01/11/06

File: Page: 9/13

STRUCTURALLY REVIEWED BY:

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

Walter A. Tillit Jr.
 MAR 30 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
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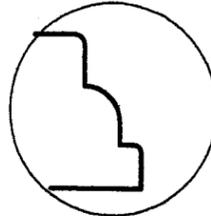
By *Isabel J. Lynch*
 Miami Dade Product Control
 Division

WOOD PROFILES

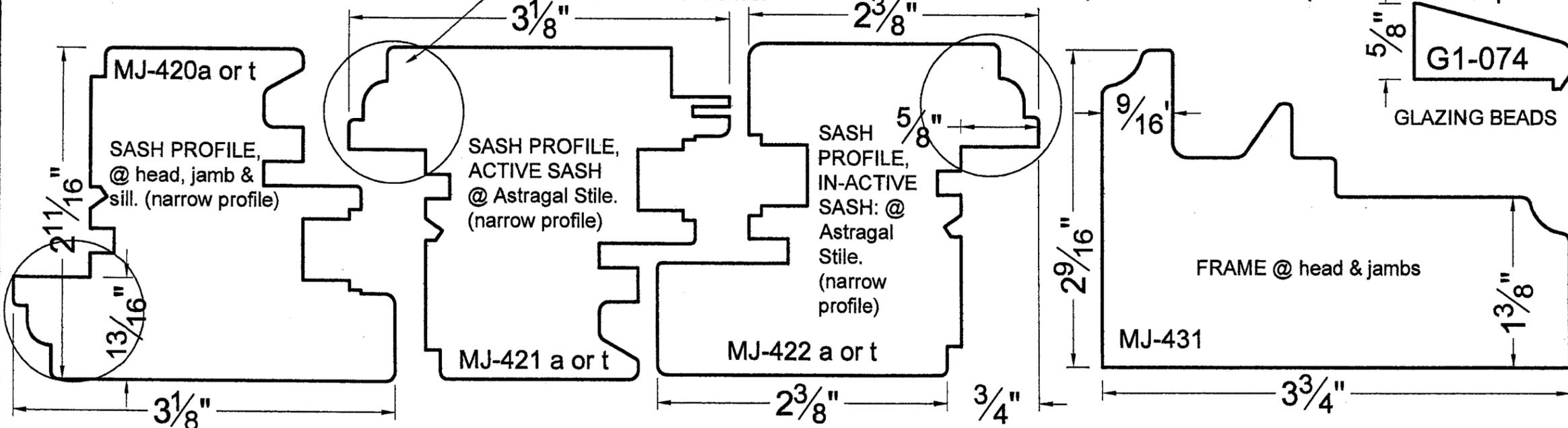
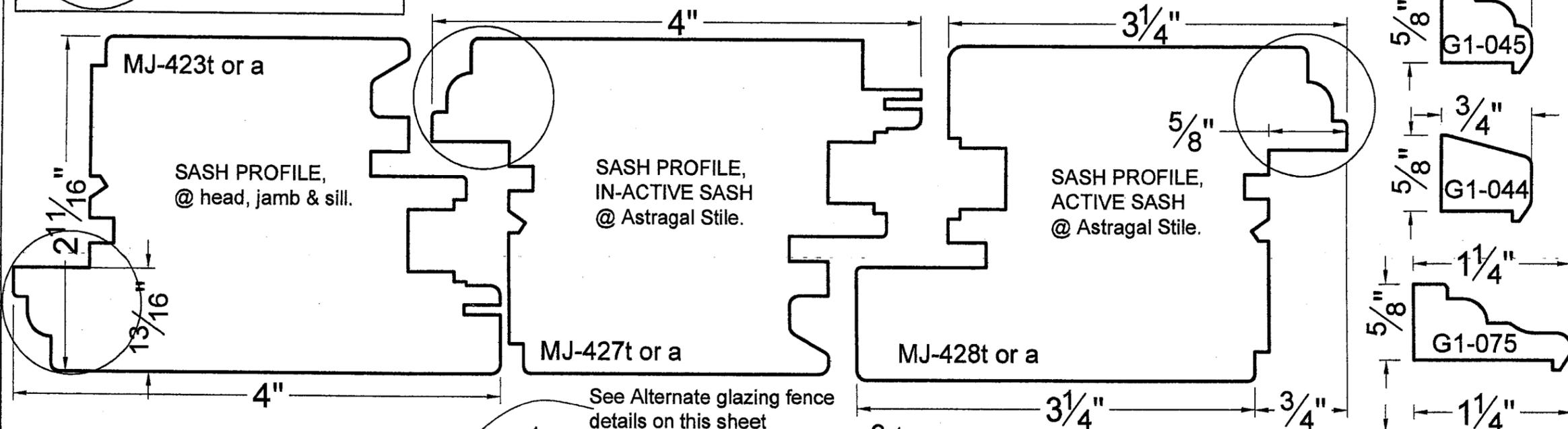
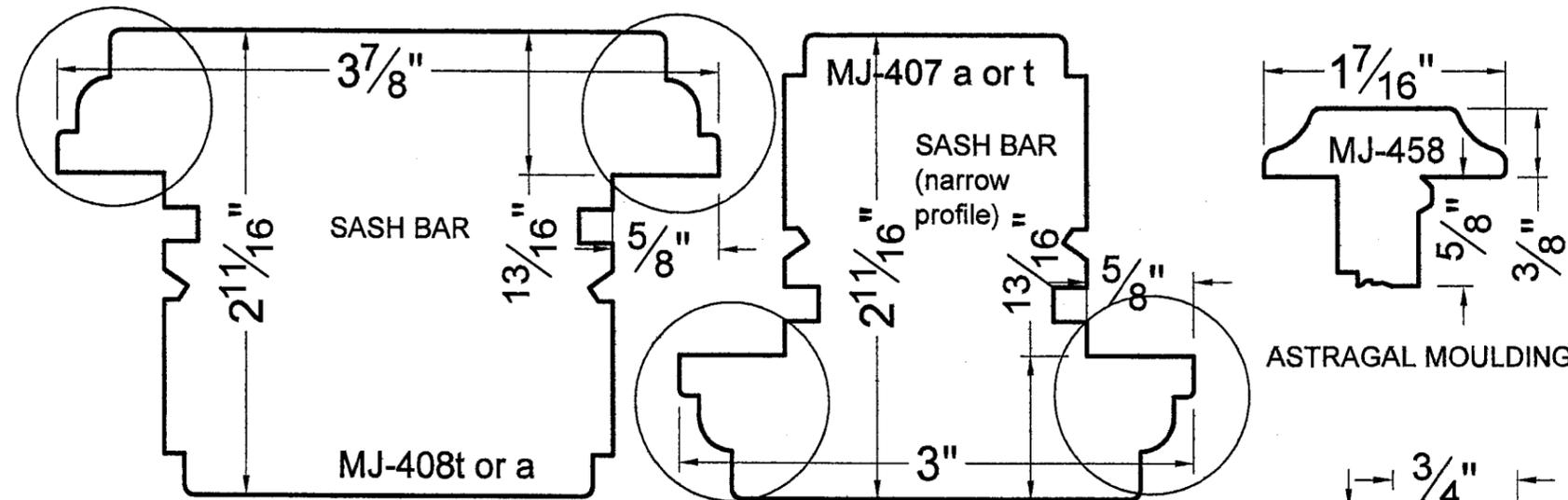
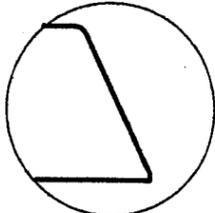
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

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



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



JS SERIE
OUTSWING
WOOD DOORS
MIAMI DADE COUNTY

Drawing no.: JS-4-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/98
Date revised: 01/11/06

File: Page: 10/13

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FL. LIC. NO. 44167

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MAR 30 2006

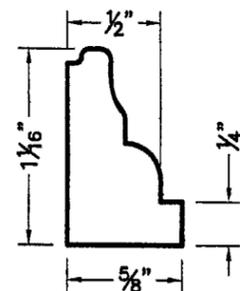
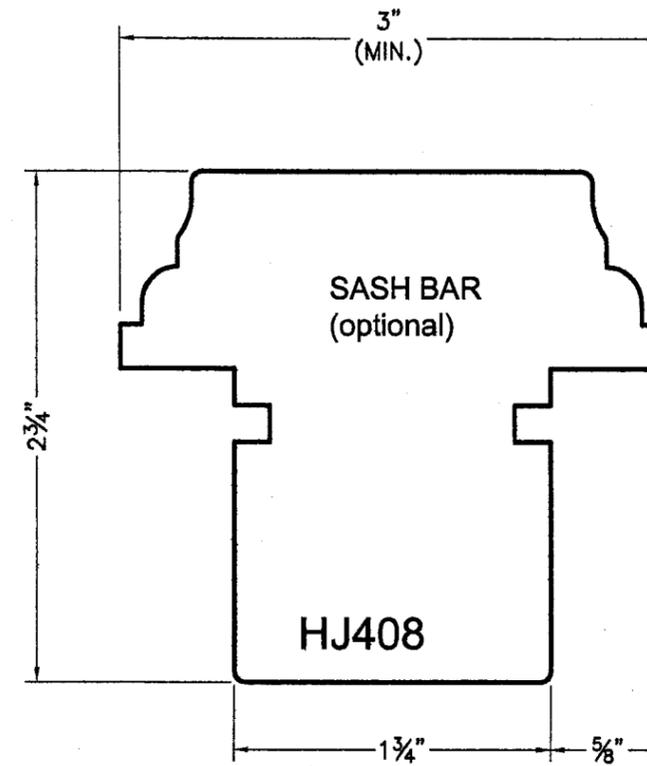
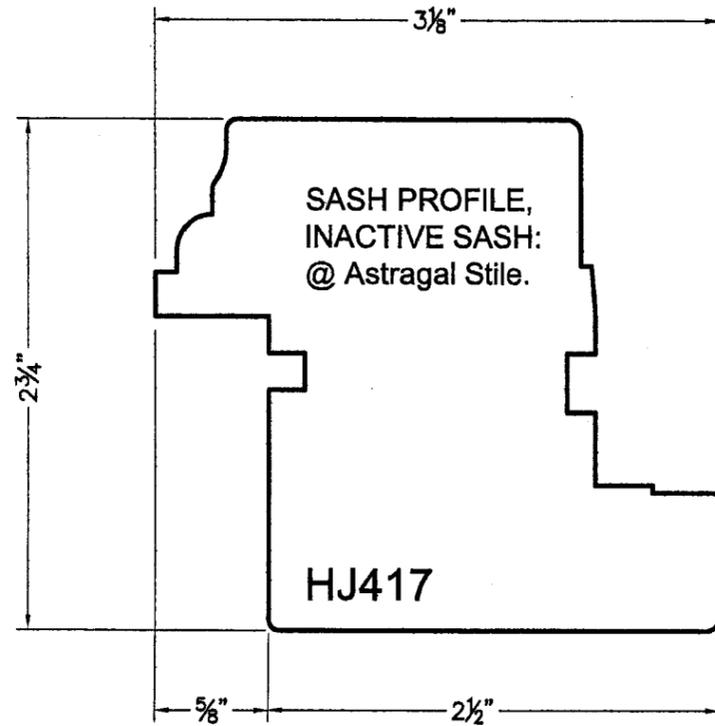


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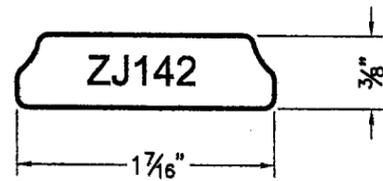
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-06
Expiration Date APRIL 20, 2011
By *[Signature]*
Miami Dade Product Control
Division

WOOD PROFILES

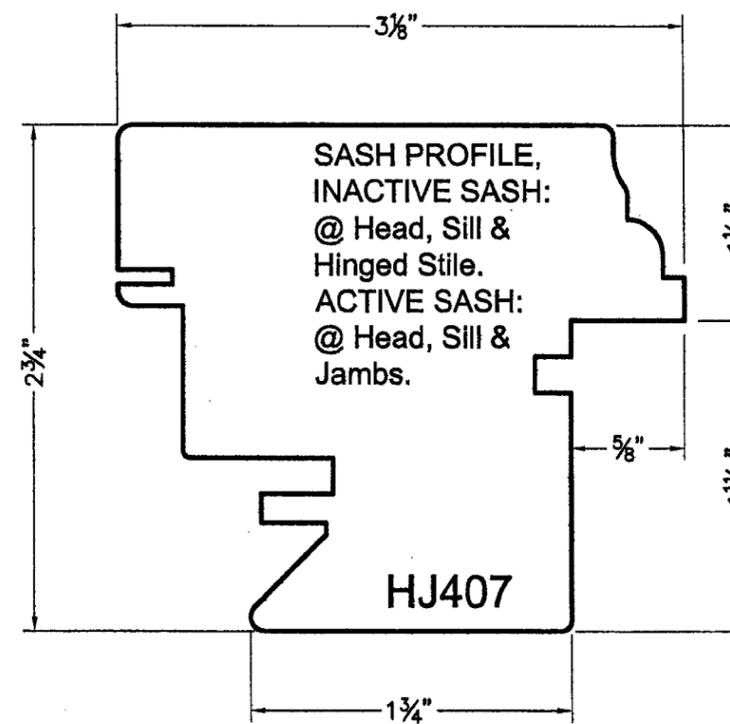
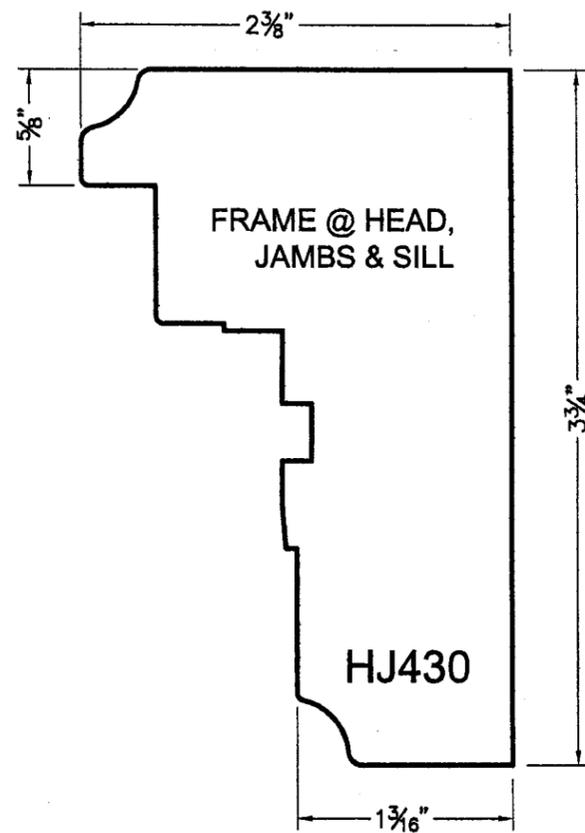
NOTE:
These profiles apply to elevations on sheet 3 only



GJ064
GLAZING BEAD



ASTRAGAL MOULDING



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

Drawing no.: JS-4-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/98
Date revised: 01/11/06

File: Page: 11/13

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Expiration Date APRIL 20, 2011

By Ismael J. Chanda
Miami Dade Product Control
Division

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	5 per hinged stile of sashes, 8" from corners; see elevations for max. o/c spacing. 4 x #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	To door frame: 2x #10 x 1" a.t. wood screws. Min. embedment is 3/4". To door sill frame: 2 x #10 x 3/4" a.t. wood screws. Min embedment is 5/8". To structure as per ANCHOR REQUIREMENTS TABLE on sheet 8.
⑧a	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS TABLE on sheet 8.
①7a	AH5 flat saddle aluminum profile (Alloy 6063-T5)	Directly screwed to the substrate as per ANCHOR REQUIREMENTS TABLE (configuration A10 or A20) on sheet 8. Square cut @ ends.
①7b	AH2 stopper aluminum profile (Alloy 6063-T5)	Screwed to alum. sill w/ (1) #10 x 1 1/4" F.H. screw @ 14" o/c. Butt joint against the frame jambs @ both ends.
①7c	Continuous wood shim (mahogany)	See AH2 screws. Butt joint against the frame jambs @ both ends.
②0a	30861 1" Bronze extension (Alloy C385)	Brass #7 x (1/2" for 30863, 3/4" for 30862) FH screws @ 16" o/c & continuous line of silicone behind; When 30861 is used to hide screw holes, use with 3M double face acrylic tape. It may be used as an optional in or out extension to link with floor finishing material.
②0b	30862 Bronze connector (Alloy C385)	
②0c	30863 Bronze saddle (Alloy C385)	
②0d	ZJ-611/21 Mahogany wood sill	Square cut @ ea end. Screwed with 2x # 12 x 3" wood Screws to the frame jambs. See sheet 13.

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



JS SERIE
OUTSWING
WOOD DOORS
MIAMI DADE COUNTY

Drawing no.: JS-4-OUT

Scale: NONE	Drawn by: S. Marcotte
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File:	Page: 12/13

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MAR 30 2006

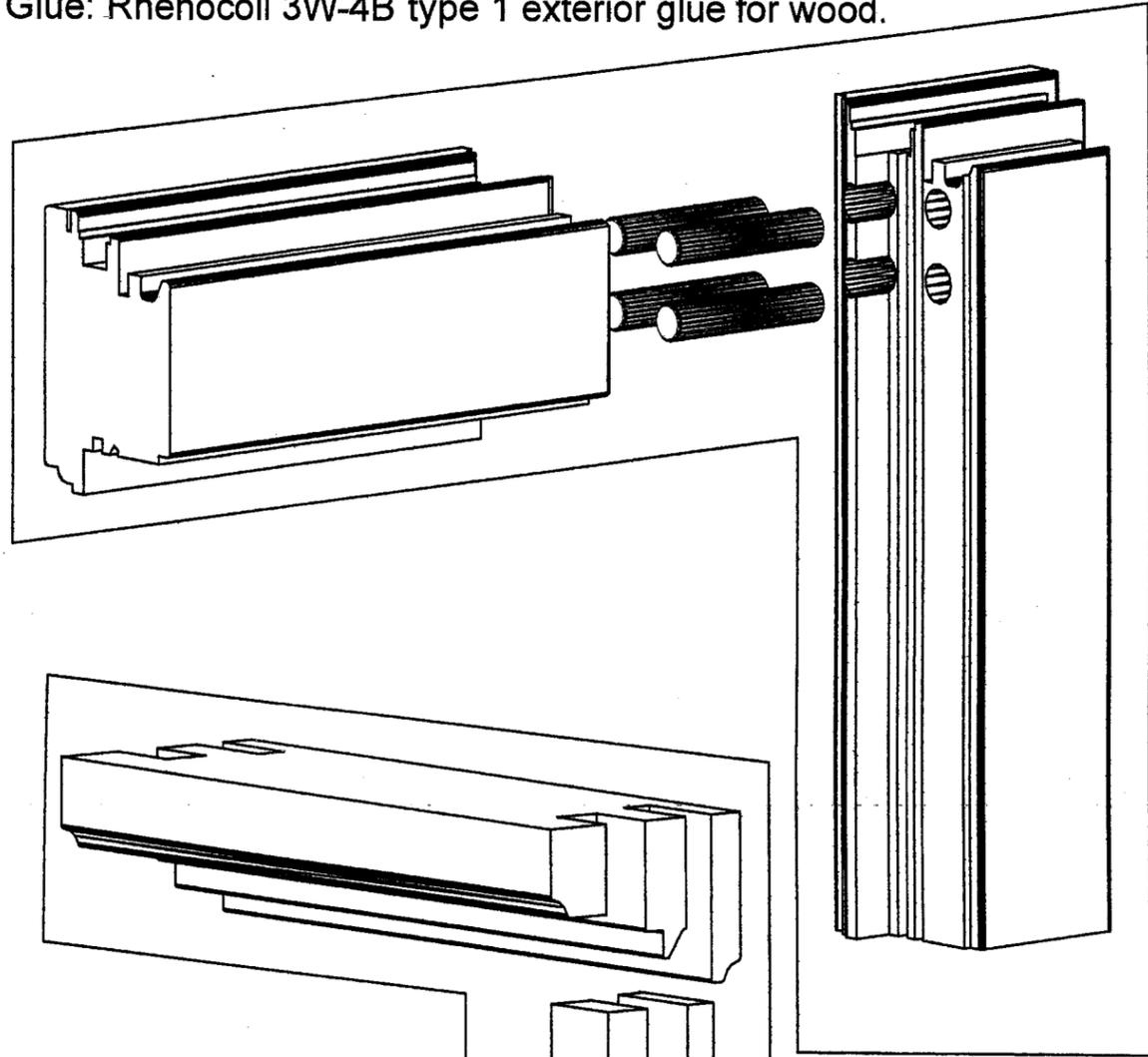


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By Isaac L. Chaudhry
Miami Dade Product Control
Division

Sash rails and sash bar 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.

Finger Joints
 assembly for
 full arched
 members; 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.

Frame sill to frame
 Jambs: Screwed w/
 2x #12 x 3" FH screws.

**CORNER ASSEMBLY
 3D VIEW DETAILS**

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

Drawing no.: JS-4-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/98	Date revised: 01/11/06
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[Signature]
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 Miami Dade Product Control
 Division