

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home/asp

M. Q. Windows
1855 Griffin Road, Suite A-271
Dania, Fl. 33004

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed 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 Opaque Wood Doors-LMI

Limitation:

1. Smaller Door sizes must comply as permitted by FBC requirements.

APPROVAL DOCUMENT: Drawing No **JS-OP-OUT**, titled "JS Opaque Door Outswing" Sheets 1 through 9 of 9, dated 03-30-06 and last revised on JAN 25, 2011, prepared by manufacturer, signed and sealed by Scott Wolters, P. E. , bearing the Miami-Dade County Product Control Renewal 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, **Ste-Agathe des Monts, 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 **renews # 06-0405.01** 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.**



NOA No 10-0902.11
Expiration Date: April 20, 2016
Approval Date: March 31, 2011
Page 1

3/19/11

A. DRAWINGS

1. Manufacturer's parts drawings (Test reports transferred from file # **06-0405.01**)
2. Drawing No **JS-OP-OUT**, titled "JS Opaque Door Outswing" Sheets 1 through 9 of 9, dated 03-30-06 and last revised on JAN 25, 2011, prepared by manufacturer, signed and sealed by Scott Wolters, P. E.

B. TESTS (Test reports transferred from file # 06-0405.01)

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 door prepared by Hurricane Test Laboratory, LLC,

2. Test Report No (s). **HTL-0118-0507.03, HTL-0118-0131.03, 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 # **06-0405.01**:
 - 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, P.E.
Product Control Examiner
NOA No 10-0902.11
Expiration Date: April 20, 2016
Approval Date: March 31, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2004, prepared by Tilteco Inc., dated 03-31-2006, 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 # **06-0405.01**)

D. QUALITY ASSURANCE

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter dated 01/25/11, issued by Wolters Engineering Inc., of Succeeding Engineer adopting another Engineer's work, signed and sealed by Scott Wolters, P.E.
2. Stateman letter of conformance and "no financial interest", dated 01/25/11, signed and sealed by Scott Wolters, P. E.
3. Statement letter, issued by MQ windows, dated July 14, 2010 stating the product has not change and requesting renewal, signed by Sylvain Marcotte.
4. 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. (Transferred from file # # 99-1228.06)
6. Distribution agreement MQ Windows, Canada and MQ Windows Inc, Dania, Florida dated Nov 30, 201, signed by Gilles Morin, president.
7. Statement letter of conformance to FBC 2004 dated March 06, 2006, signed & sealed by Walter A. Tillit, P.E. (Transferred from file # **06-0405.01**)
8. Statement letters of compliance, part of the above test reports.

G. OTHER

1. This NOA **renews NOA # 06-0405.01**, expiring 04-20-2011.
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, P.E.

Product Control Examiner

NOA No 10-0902.11

Expiration Date: April 20, 2016

Approval Date: March 31, 2011

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

DESIGN PRESSURE
Positive Pressure: +60 psf
Negative Pressure: -70 psf
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted, complying w/ FBC requirements.

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 2009 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.

GLAZING TYPE TABLE
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).
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 6



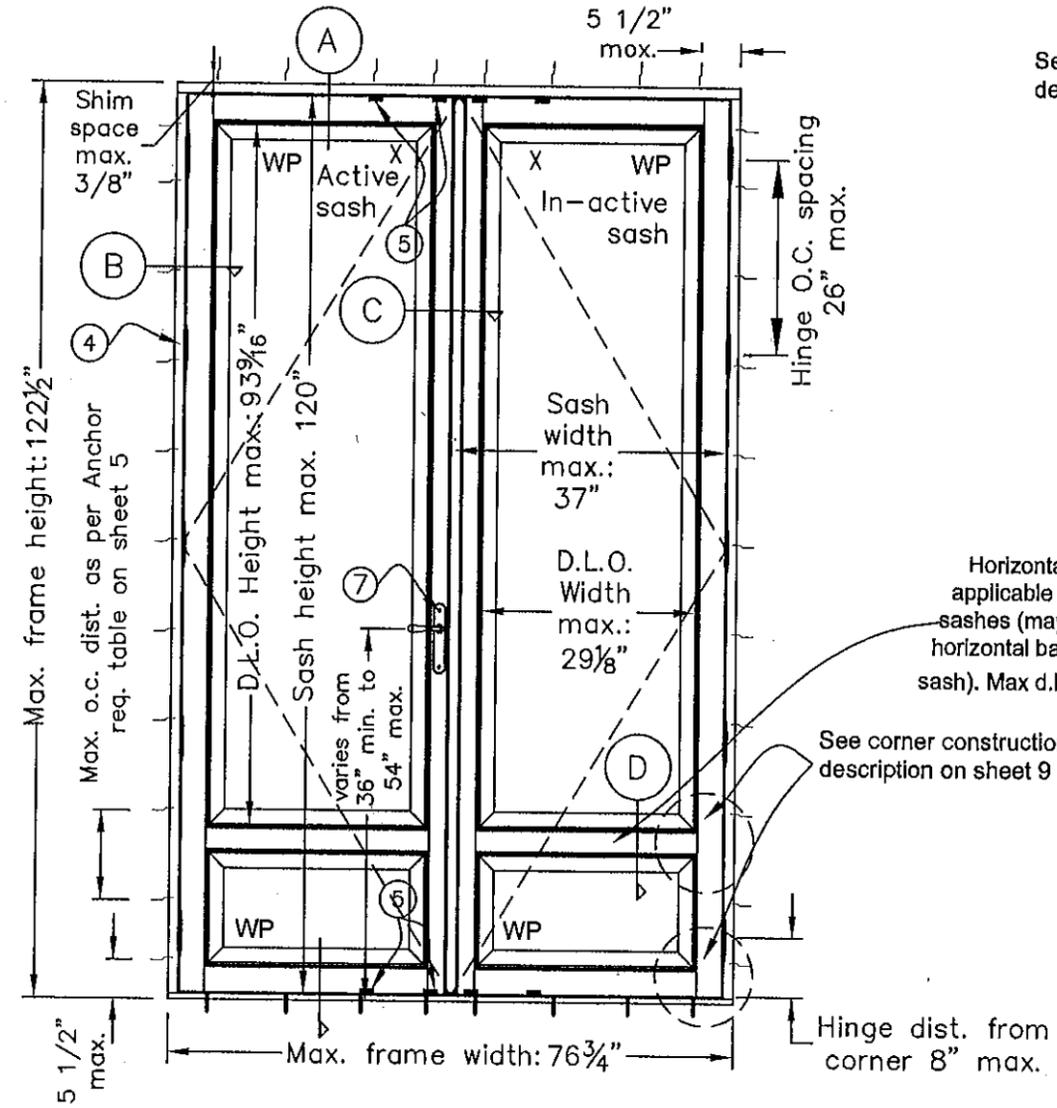
**JS SERIES
WOOD OPAQUE DOORS
OUTSWING**

Drawing no.: JS-OP-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised: 01/17/11
File: JS-OP-OUT	Page: 1 / 9

STRUCTURALLY REVIEWED BY:

Scott Walters
SCOTT WALTERS
FL PE# 62354
WALTERS ENGINEERING, INC.
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
JAN 25 2011

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 10-0902-11
Expiration Date: 10/20/2016
By: *Michael G. Clark*
Michael G. Clark Product Control

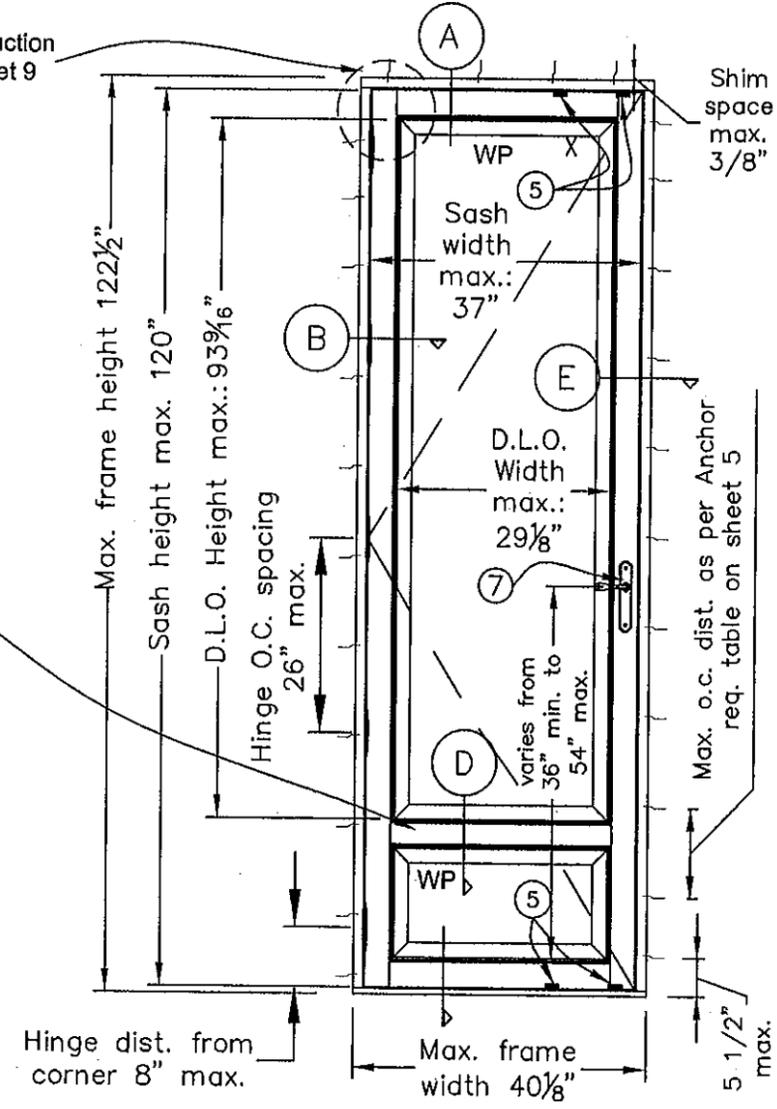


**EXTERIOR ELEVATION
DOUBLE RECTANGULAR OPAQUE DOOR UNIT
W/ HORIZONTAL SASH BAR (Not to scale)**

See corner construction description on sheet 9

Horizontal sash bar applicable with all door sashes (may use multiple horizontal bars in one door sash). Max d.l.o. length: 29 1/8"

See corner construction description on sheet 9



**EXTERIOR ELEVATION
SINGLE RECTANGULAR OPAQUE DOOR UNIT
W/ HORIZONTAL SASH BAR (Not to scale)**

NOTE: Numbers in circle are referred to the bill of materials on sheet 8.

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

**DESIGN PRESSURE
 APPLYING TO THIS PAGE**
 Acting inward: POQpsf
 Acting outward: NEQpsf
 Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted, complying w/ FBC requirements.

GLAZING TYPE TABLE
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).
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 6

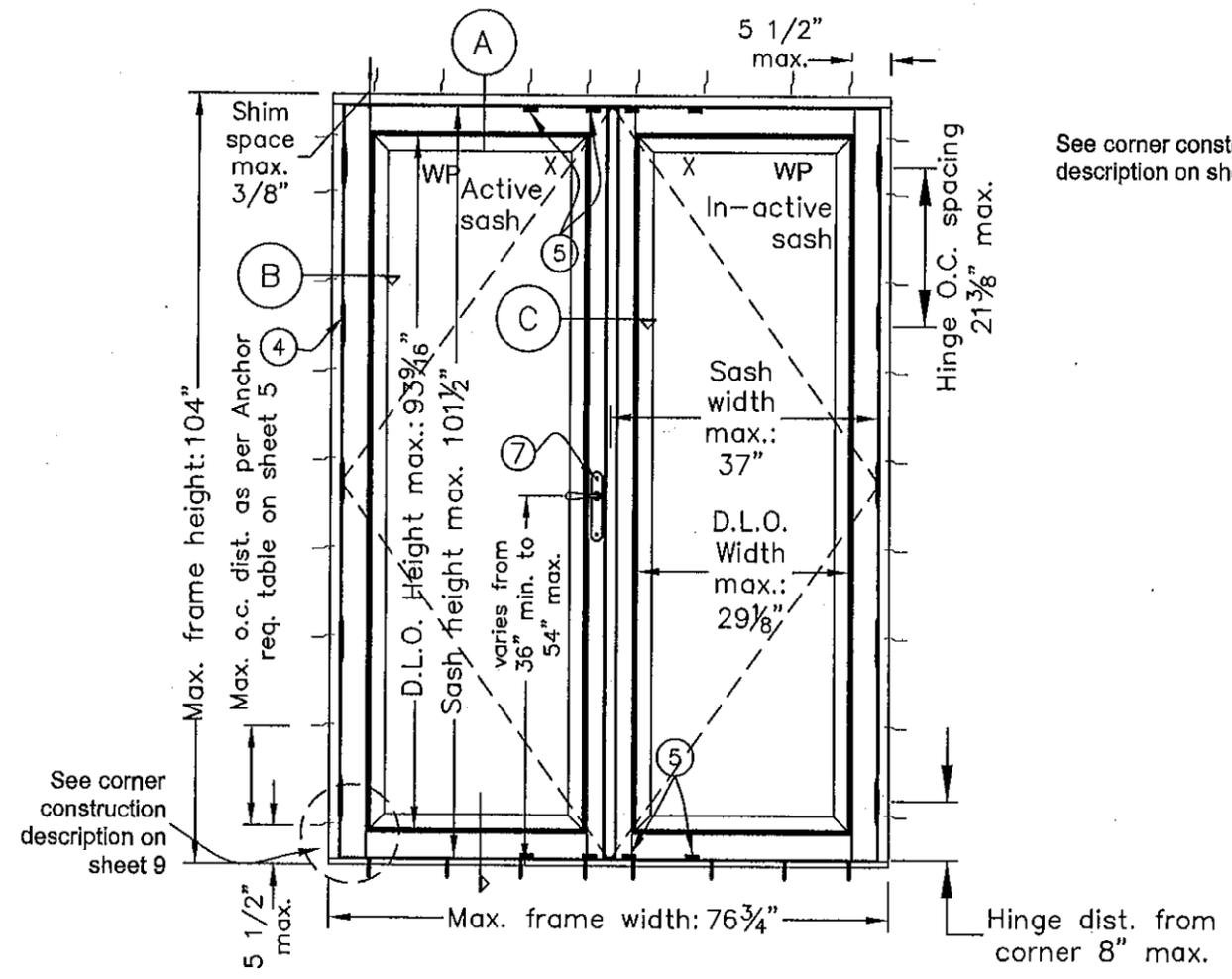
**JS SERIES
 WOOD OPAQUE DOORS
 OUTSWING**

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Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised: 01-17-11
File: JS-OP-OUT	Page: 2 / 9

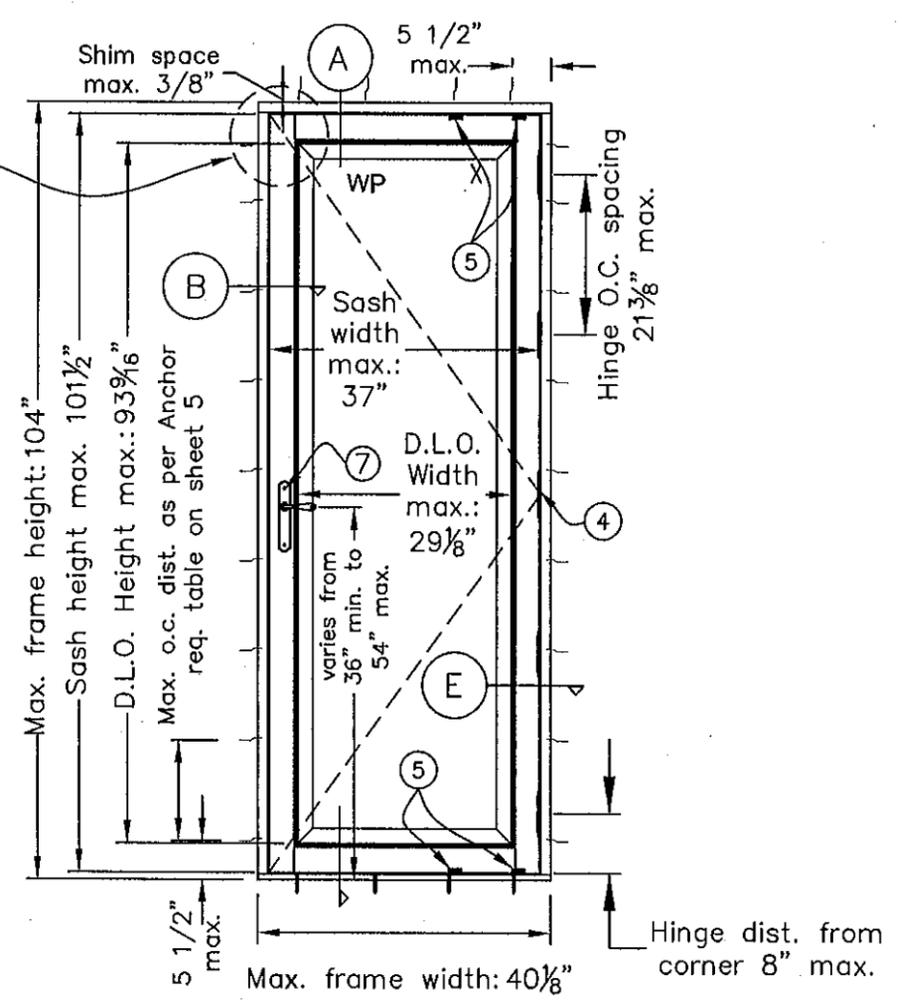
STRUCTURALLY REVIEWED BY:

 SCOTT WOLTERS
 FL PE# 62354
 WOLTERS ENGINEERING, INC.
 (COA# 27194)
 1271 GRANT STREET
 HOLLYWOOD, FL 33019
JAN 25 2011

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 10-0902.11
 Expiration Date APR 20, 2016
 By: 
 National Product Council



**EXTERIOR ELEVATION
 DOUBLE RECTANGULAR OPAQUE DOOR UNIT
 WITHOUT SASH BAR (Not to scale)**



**EXTERIOR ELEVATION
 SINGLE RECTANGULAR OPAQUE DOOR UNIT
 WITHOUT SASH BAR (Not to scale)**

NOTE: Numbers in circle are referred to the bill of materials on sheet 8.

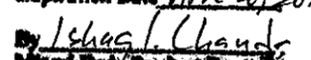
CROSS SECTION VIEWS

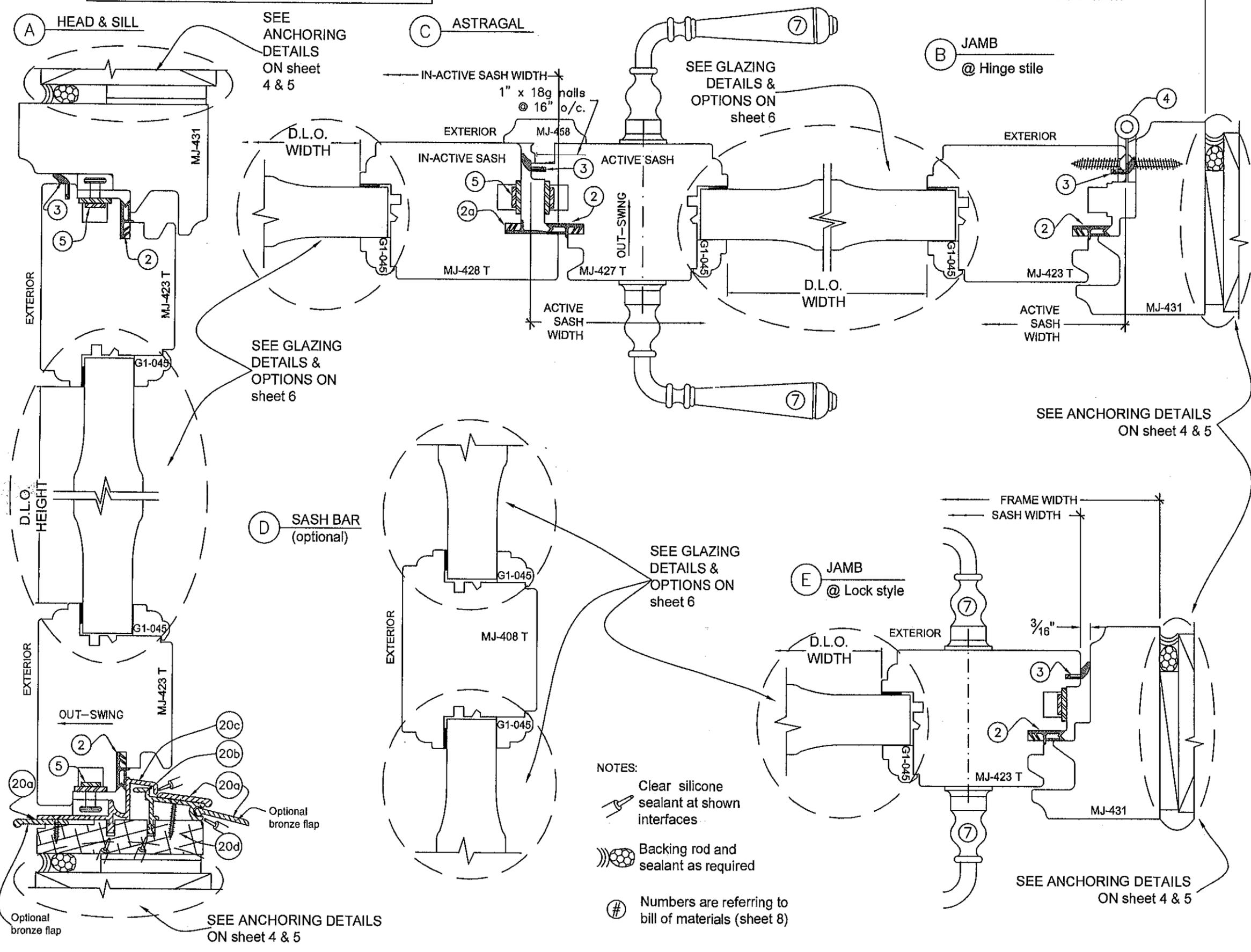
JS SERIES WOOD OPAQUE DOORS OUTSWING

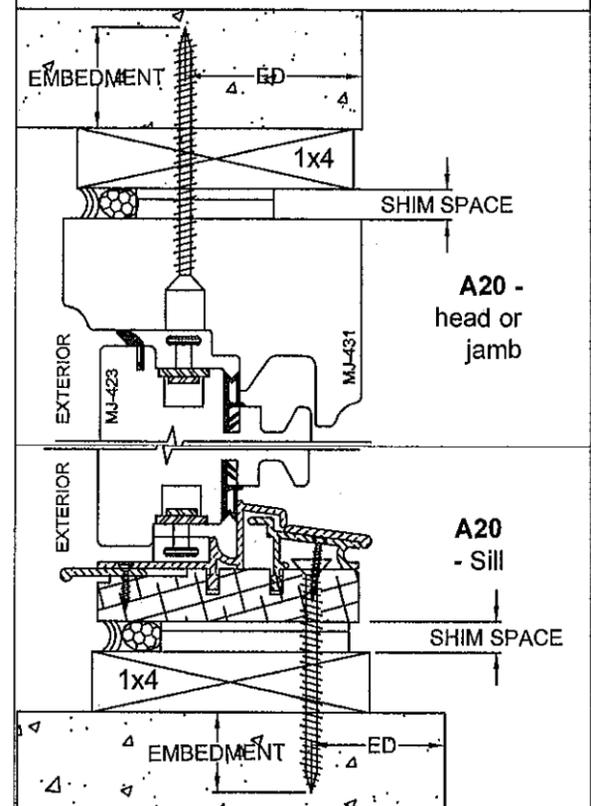
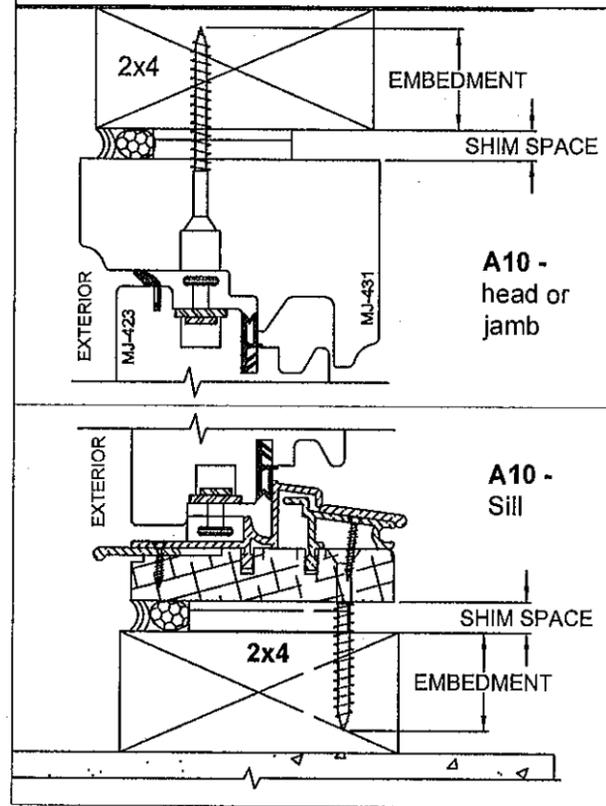
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 Scale: NONE
 Date drawn: 03/30/06
 File: JS-OP-OUT
 Drawn by: S. Marcotte
 Date revised:
 Page: 3 / 9

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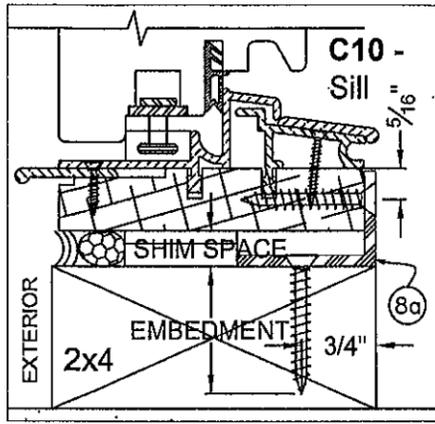
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 Michael D. Clark
 Miami-Dade Product Council



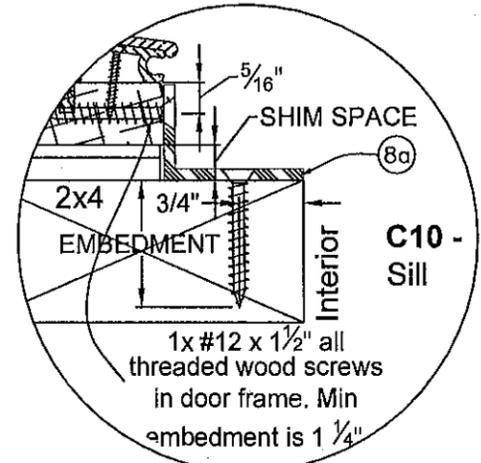


C10 - Typical anchor (@ sill only) w/ Continuous Aluminum Angle (8a) using wood screws in 2x wood buck and door frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 5.



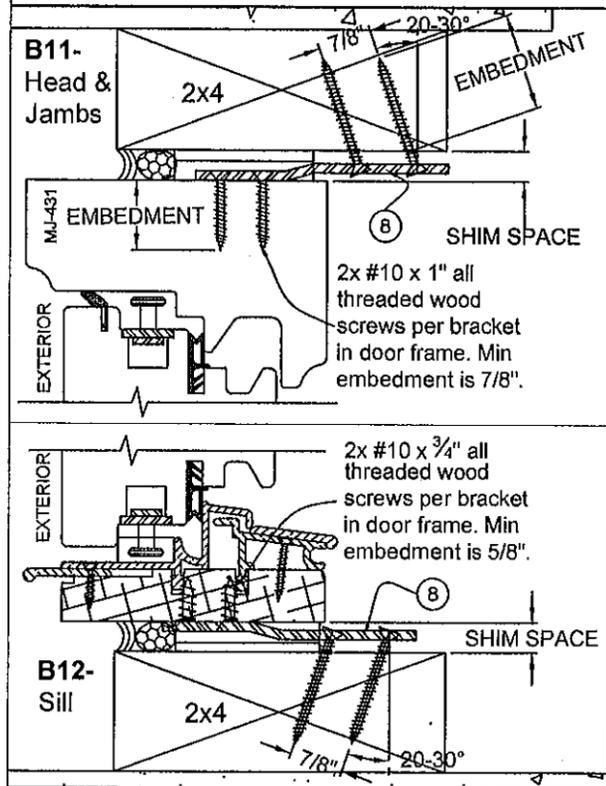
Frame's leg up on the edge of the sill, buck's leg out on the face.

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

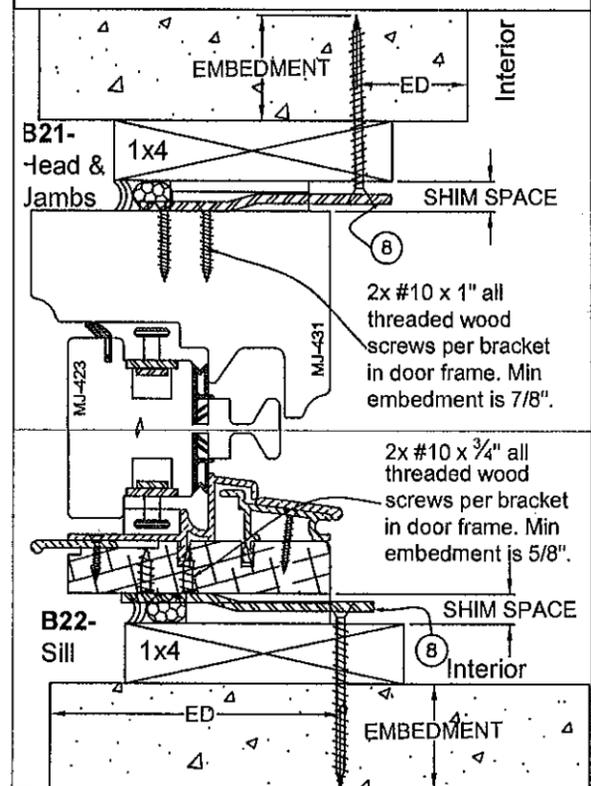


Frame's leg up on the edge of the sill, buck's leg in on the face.

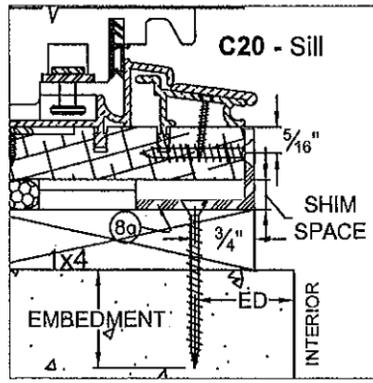
B11, B12 - Typical anchor using Installation Bracket (B) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 5.



B21, B22 - Typical anchor w/ Installation Bracket (B) using Tapcon screws through 1x wood buck into concrete or masonry as per ANCHOR REQUIREMENTS TABLE on sheet 5.

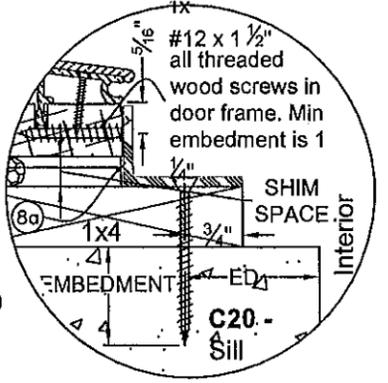


C20 - Typical anchor w/ Continuous Aluminum Angle (8a) using Tapcon screws through 1x wood buck into concrete and wood screw into door frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 5.



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 SERIES WOOD OPAQUE DOORS OUTSWING

Drawing no.: JS-OP-OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised:
File: JS-OP-OUT	Page: 4 / 9

STRUCTURALLY REVIEWED BY:

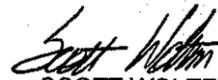
 SCOTT WOLTERS
 FL PE# 62354
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 (COA# 27194)
 1271 GRANT STREET
 HOLLYWOOD, FL 33019
 JAN 25 2011

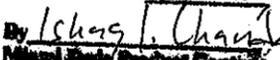
PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 10-0702.11
 Expiration Date: APR 20, 2016
 By:
 Miami Dade Product Control

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"

JS SERIES WOOD OPAQUE DOORS OUTSWING

Drawing no.: JS-OP-OUT
 Scale: NONE
 Date drawn: 03/30/06
 File: JS-OP-OUT
 Drawn by: S. Marcotte
 Date revised:
 Page: 5 / 9

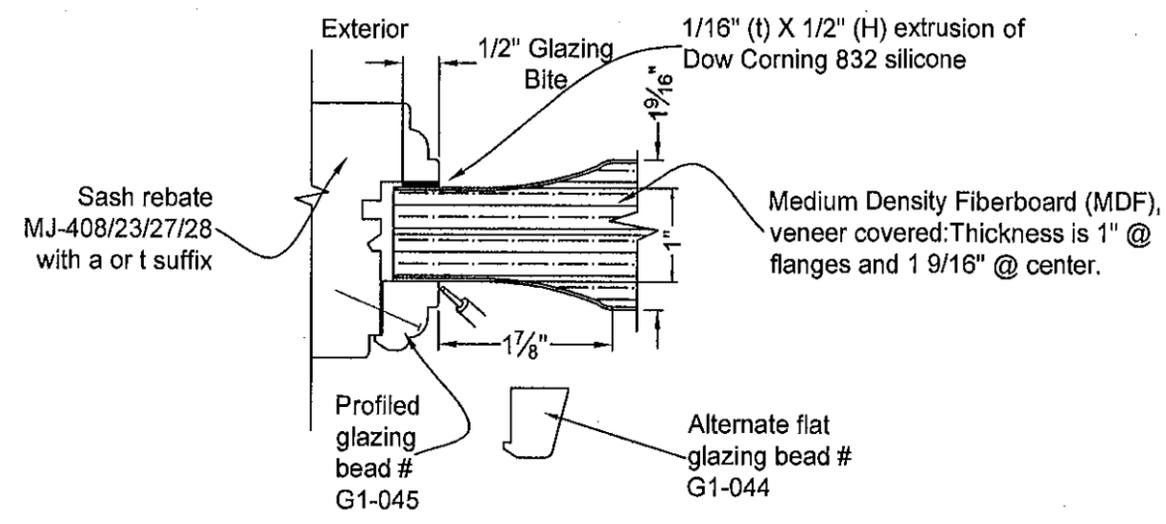
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 1271 GRANT STREET
 HOLLYWOOD, FL 33019
 JAN 25 2011

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 10-0902.11
 Expiration Date 08/20 2016
 By: 
 Miami Code Product Control

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 (B) and aluminum angles (C) 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 8)

Typ. glazing w/ MDF raised wood panel



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

Clear silicone sealant at shown interface

JS SERIES WOOD OPAQUE DOORS OUTSWING

Drawing no.: JS-OP-OUT

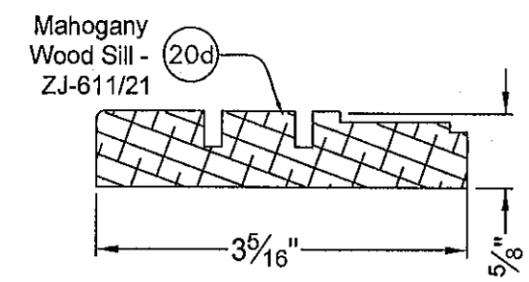
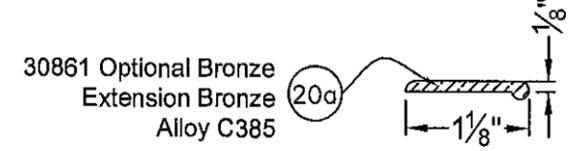
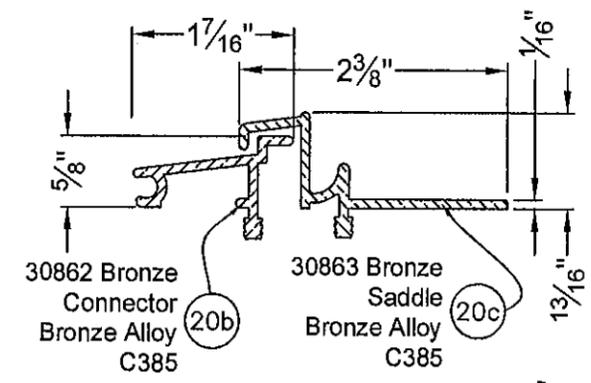
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Date drawn: 03/30/06	Date revised: 01/17/11
File: JS-OP-OUT	Page: 6 / 9

STRUCTURALLY REVIEWED BY:

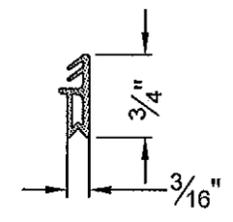
Scott Walters
SCOTT WALTERS
FL PE# 62354

WALTERS ENGINEERING, INC.
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
JAN 25 2011

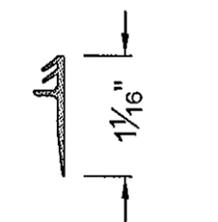
ACCESSORIES



20 BRONZE SADDLE OVER WOOD SILL



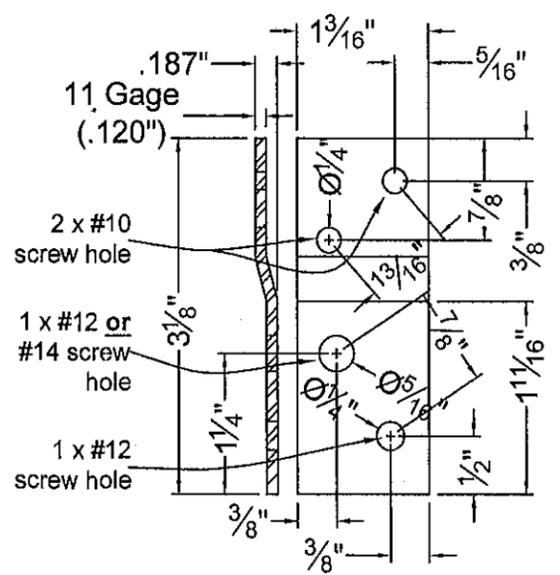
2 L5150 MIDDLE GASKET



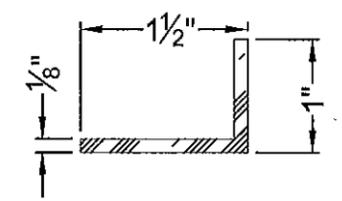
2a L7002 ASTRAGAL GASKET



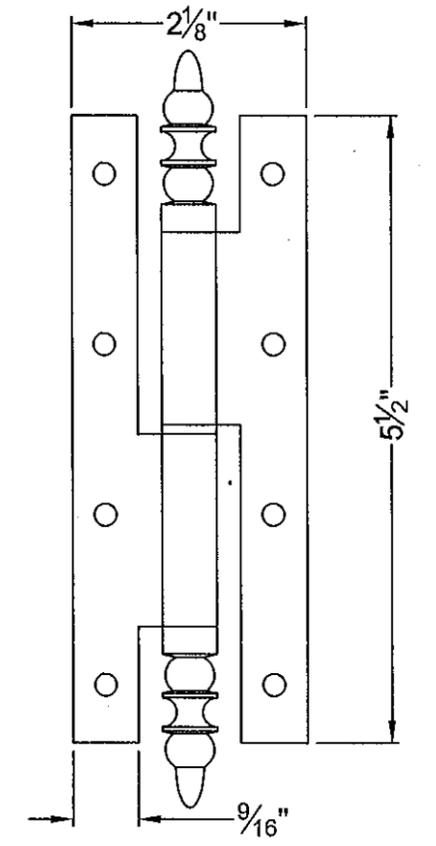
3 QWS250 GASKET



8 PDF-FS-05/D INSTALLATION BRACKET



8a ALUMINUM SILL INSTALLATION ANGLE



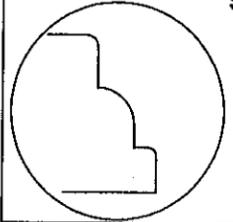
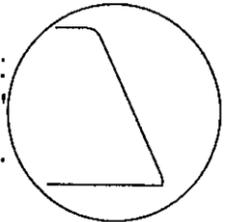
4 1488-03 HINGE (180° opening shown)

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 10-0902.11
Expiration Date APR 20, 2016
By *Glenn L. Howard*
Miami Trade Product Control

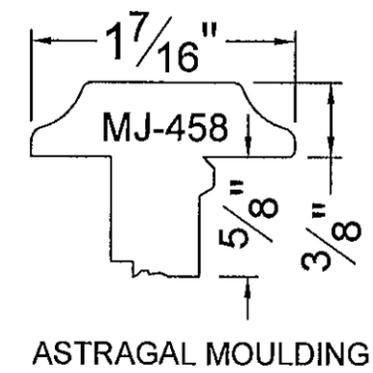
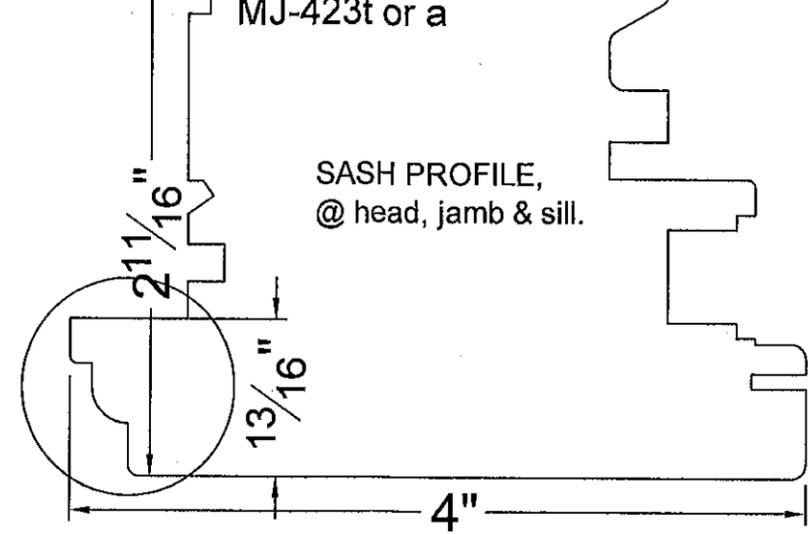
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

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



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



**JS SERIES
WOOD OPAQUE DOORS
OUTSWING**

Drawing no.: JS-OP-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 03/30/06 Date revised:

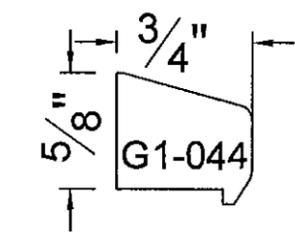
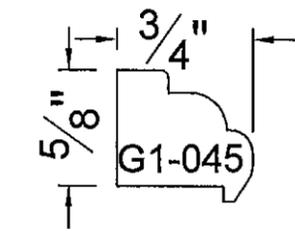
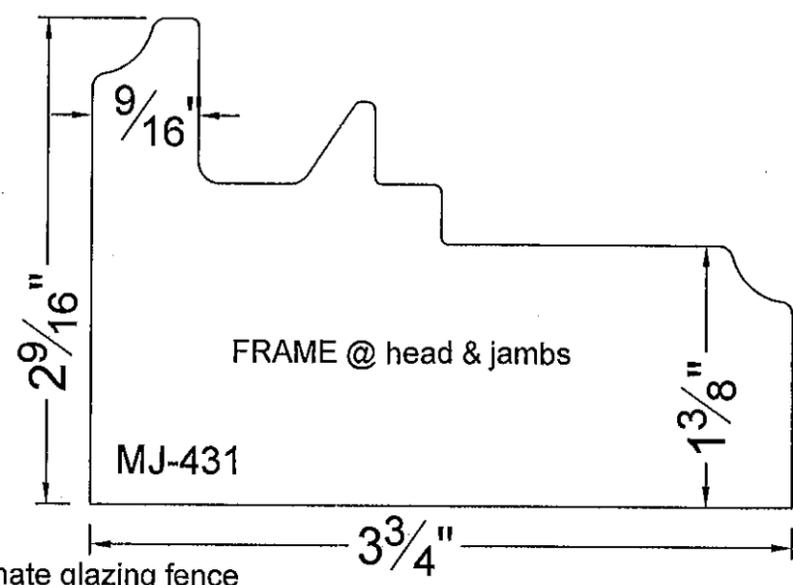
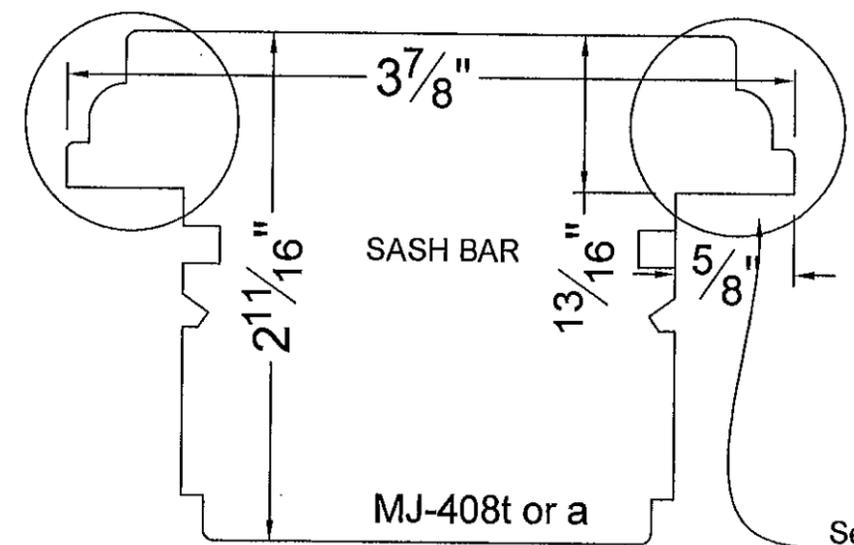
File: JS-OP-OUT Page: 7 / 9

STRUCTURALLY REVIEWED BY:

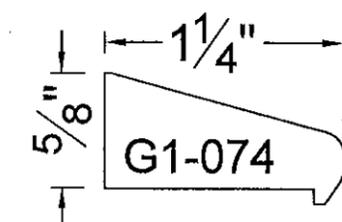
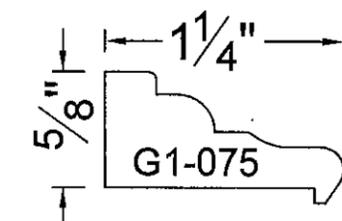
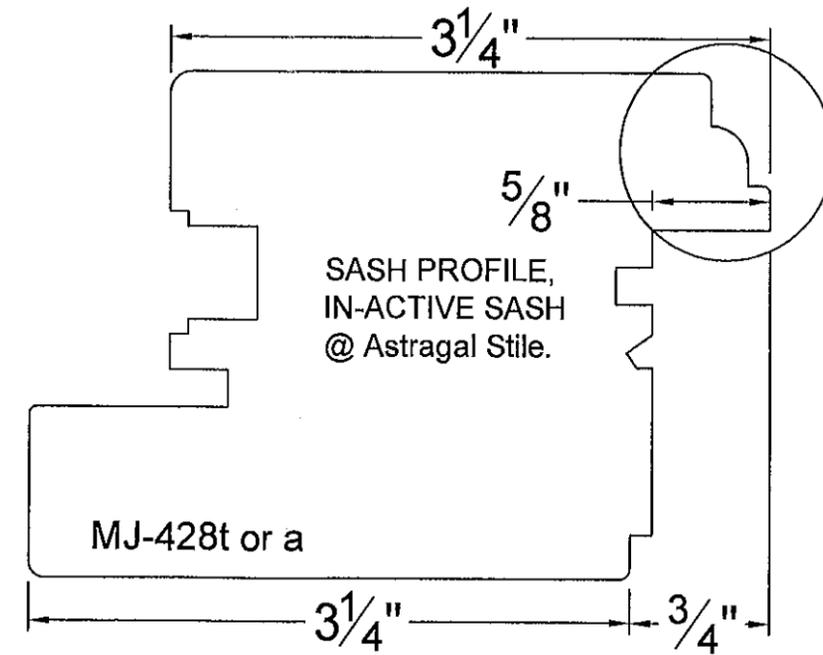
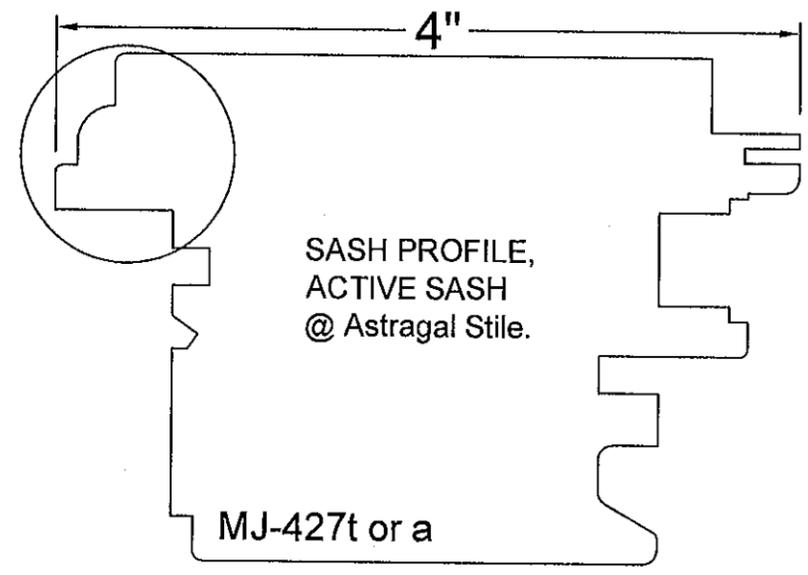
Scott Wolters

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
JAN 25 2011

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 10-0902.11
Expiration Date APR 20, 2016
By: *L. Shag J. Chaudh*
Miami Door Product Council



See Alternate glazing fence details on this sheet



GLAZING BEADS

(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 5.
⑧a	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS TABLE on sheet 5.
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 9.

⑧ REF. NUMBERS ARE RELATED TO THOSE USED ON CROSS SECTIONS DRAWINGS

**JS SERIES
WOOD OPAQUE DOORS
OUTSWING**

Drawing no.: JS-OP-OUT

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised: 01/17/11
File: JS-OP-OUT	Page: 8 / 9

STRUCTURALLY REVIEWED BY:

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SCOTT WOLTERS
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JAN 25 2011

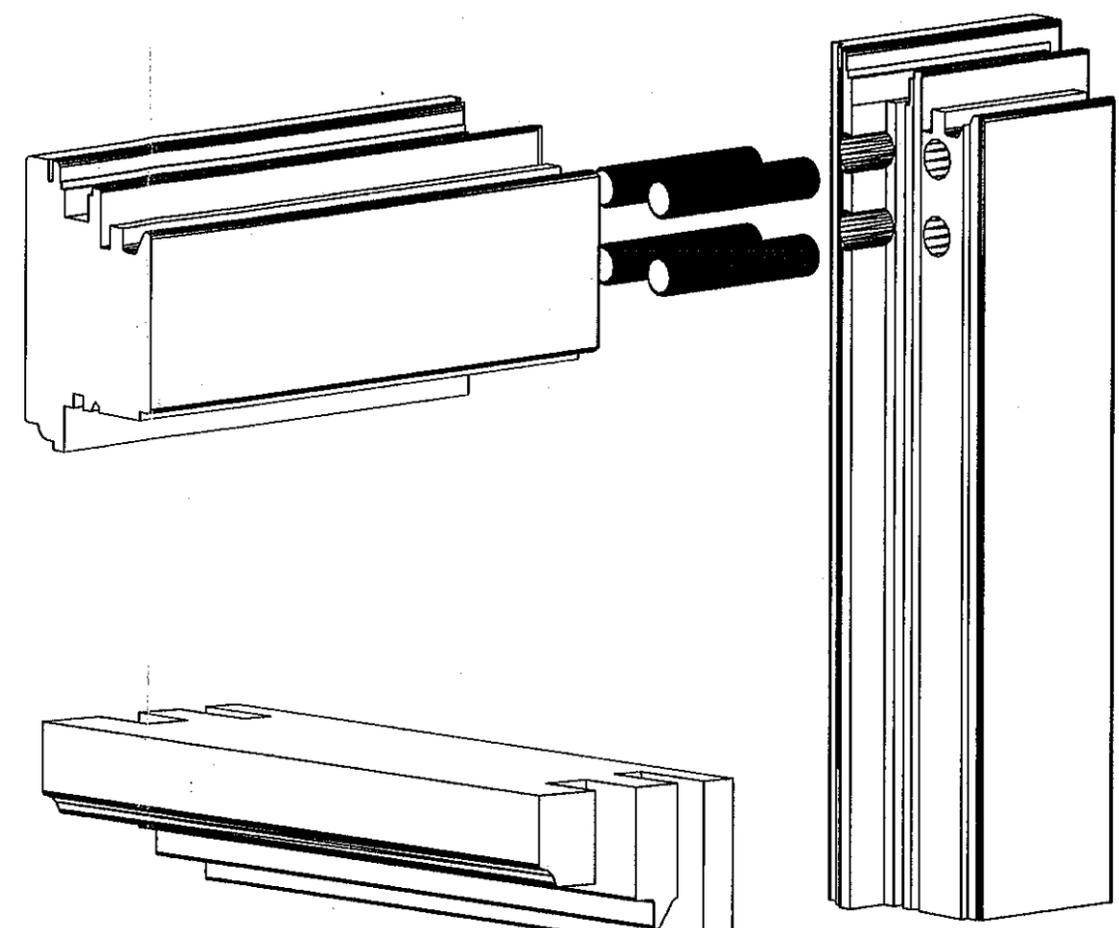
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Expiration Date APR 20, 2016
By *Chas. Chay*
Miami Dade Product Control

wood dowels, w/ 1 3/8" embedment to each profile
 Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.

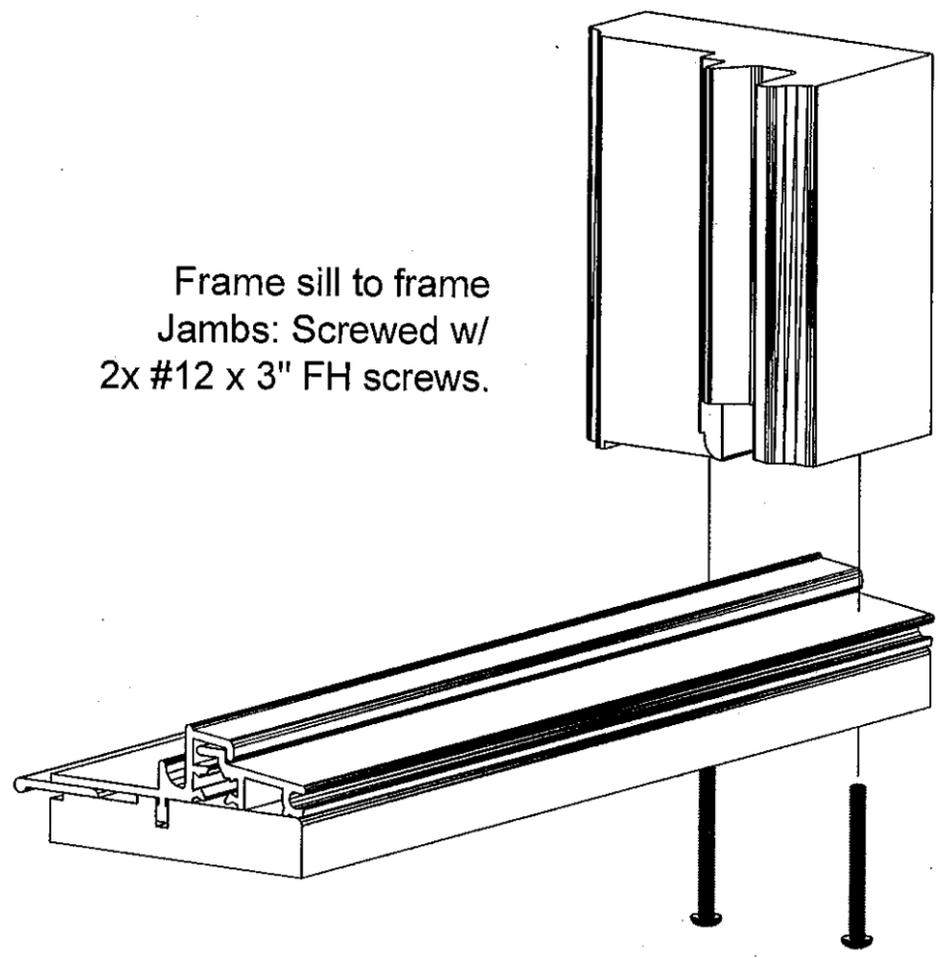
JS SERIES
 WOOD OPAQUE DOORS
 OUTSWING

Drawing no.: JS-OP-OUT
 Scale: NONE Drawn by: S. Marcotte
 Date drawn: 03/30/06 Date revised:
 File: JS-OP-OUT Page: 9 / 9

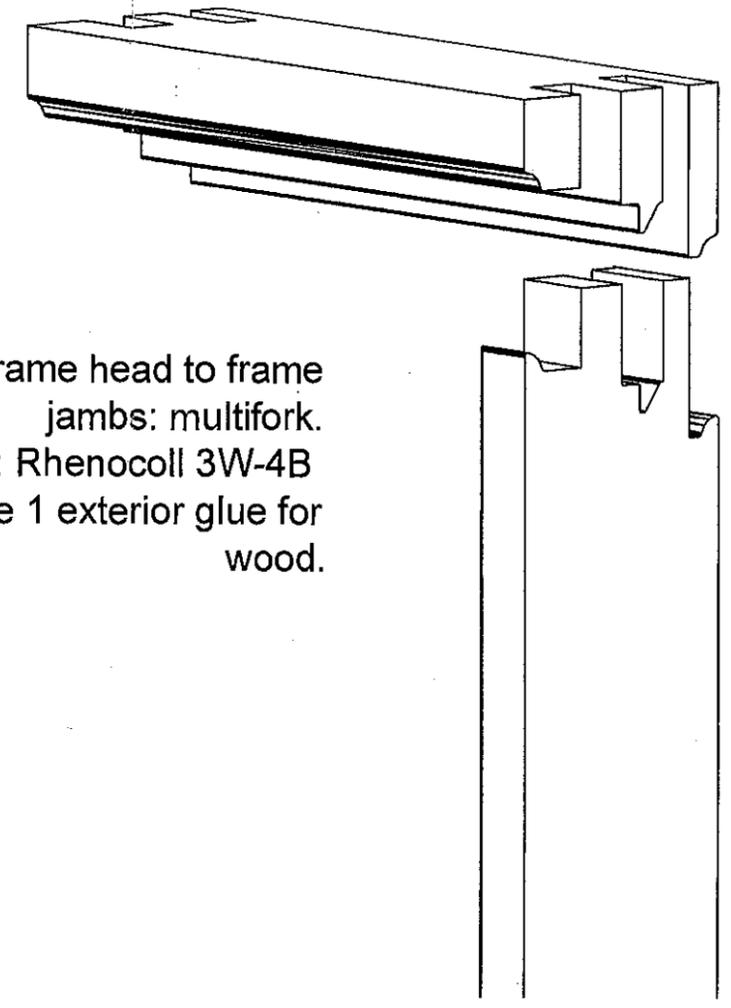
CORNER ASSEMBLY
 3D VIEW DETAILS



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



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



STRUCTURALLY REVIEWED BY:

Scott Walters
 SCOTT WALTERS
 FL PE# 62354

WALTERS ENGINEERING, INC.
 (COA# 27194)
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 HOLLYWOOD, FL 33019
 JAN 25 2011

PRODUCT RENEWED
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 Expiration Date: APR 20, 2016
 By: *Michael L. Chouk*
 Miami Dade Product Control