



**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 Opaque Wood Door – L.M.I.

APPROVAL DOCUMENT: Drawing No **JS-OP-OUT**, titled “JS Wood Opaque Door, Outswing” Sheets 1 through 9 of 9, dated 03-03-06 and last revised on 03-31-2006, 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 NOA # 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.**

**NOA No 06-0405.01
Expiration Date: April 20, 2011
Approval Date: April 27, 2006
Page 1**



4/27/06

M. Q. Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **JS-OP-OUT**, titled "JS Outswing Opaque Wood Door" Sheets 1 through 9 of 9, dated 03-03-06 and last revised on 03-31-2006, 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

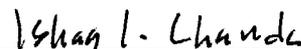
Along with the manufacturer's parts drawings, installation diagram and marked-up drawings of an outswing wood door prepared by Hurricane Test Laboratory, LLC,

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 # **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.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 06-0405.01

Expiration Date: April 20, 2011

Approval Date: April 27, 2006

M. Q. Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 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.

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 # # 99-1228.06)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

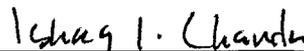
1. None

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 NOA # 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, P.E.

Product Control Examiner

NOA No 06-0405.01

Expiration Date: April 20, 2011

Approval Date: April 27, 2006

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.

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.

GLAZING TYPE TABLE
RAISED WOOD PANEL:
Max. DLO area: -MDF veneer covered: Max. 18.92 sqf. Min. specific gravity G= 0.75= 48 lb/ft ³ (0.769 g/cm ³).
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

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

**JS SERIES
WOOD OPAQUE DOORS
OUTSWING**

Drawing no.: JS-OP-OUT

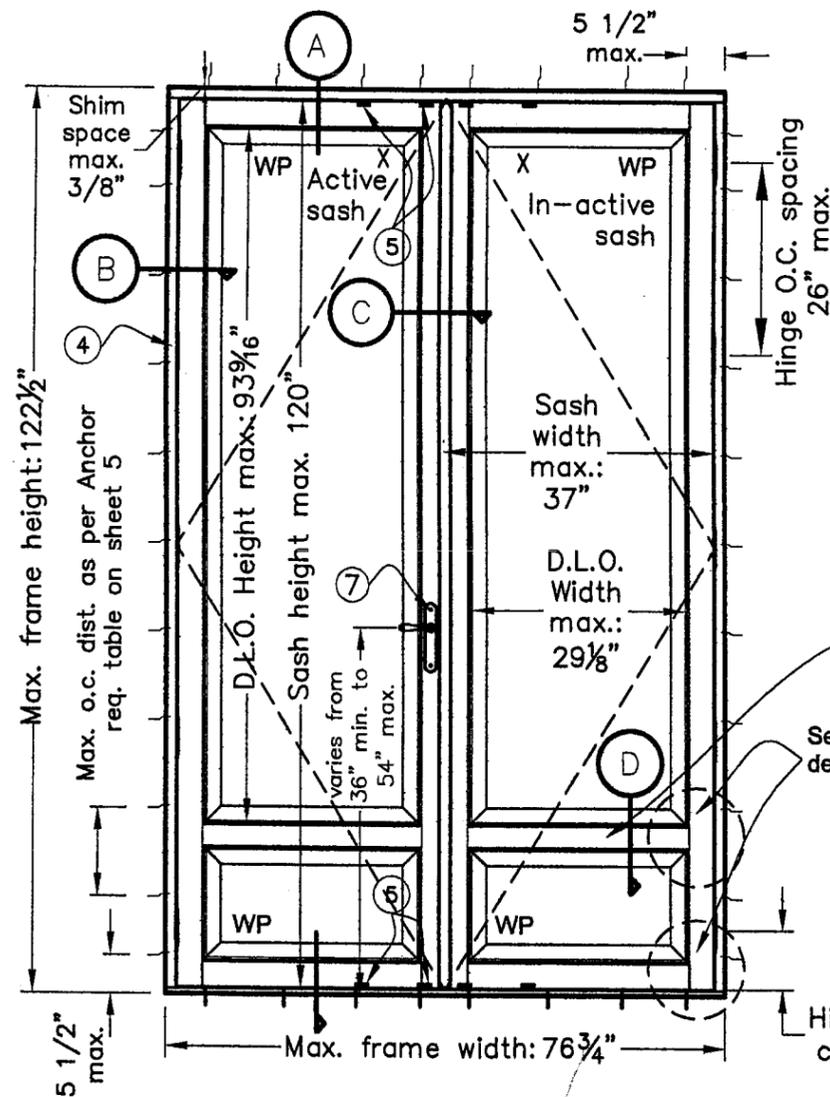
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised:
File: JS-OP-OUT	Page: 1 / 9

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

MAR 31 2006



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



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

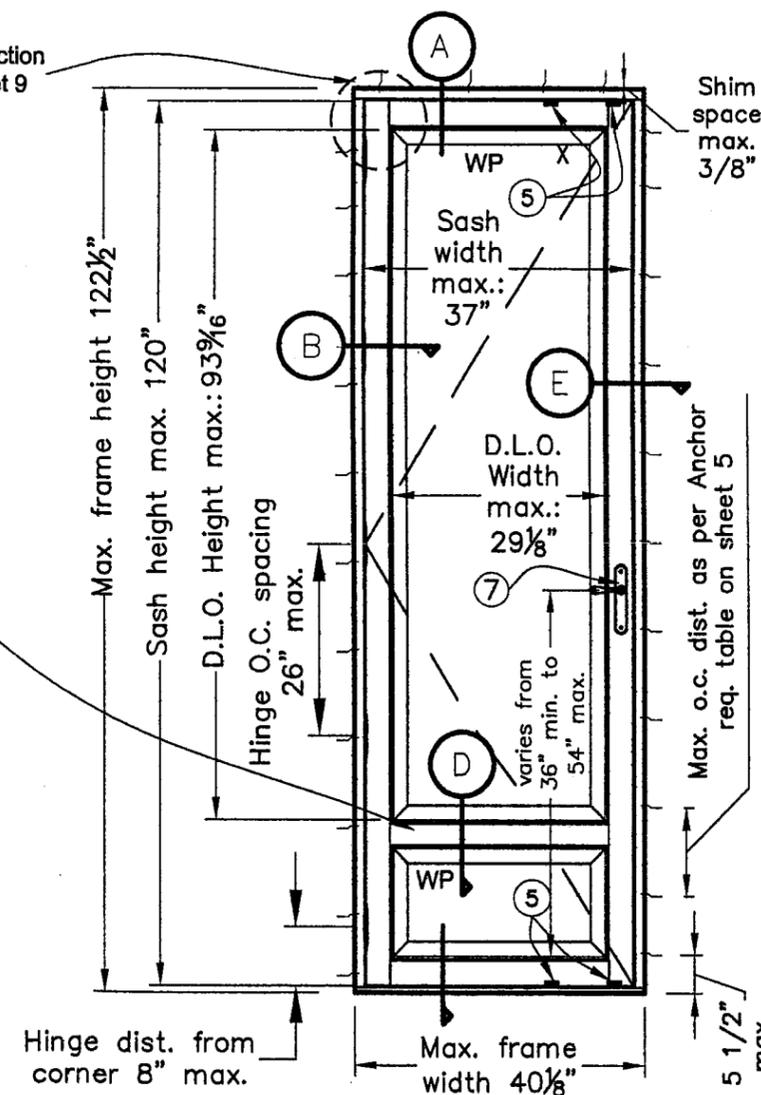
See corner construction description on sheet 9

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

Hinge dist. from corner 8" max.

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



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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 06-0405-01
Expiration Date APRIL 20, 2011

By: Isaac J. Chande
Miami Dade Product Control Division

OPAQUE 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.

GLAZING TYPE TABLE
RAISED WOOD PANEL:
Max. DLO area: -MDF veneer covered: Max. 18.92 sqf. Min. specific gravity G= 0.75= 48 lb/ft ³ (0.769 g/cm ³).
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:

File: JS-OP-OUT
Page: 2 / 9

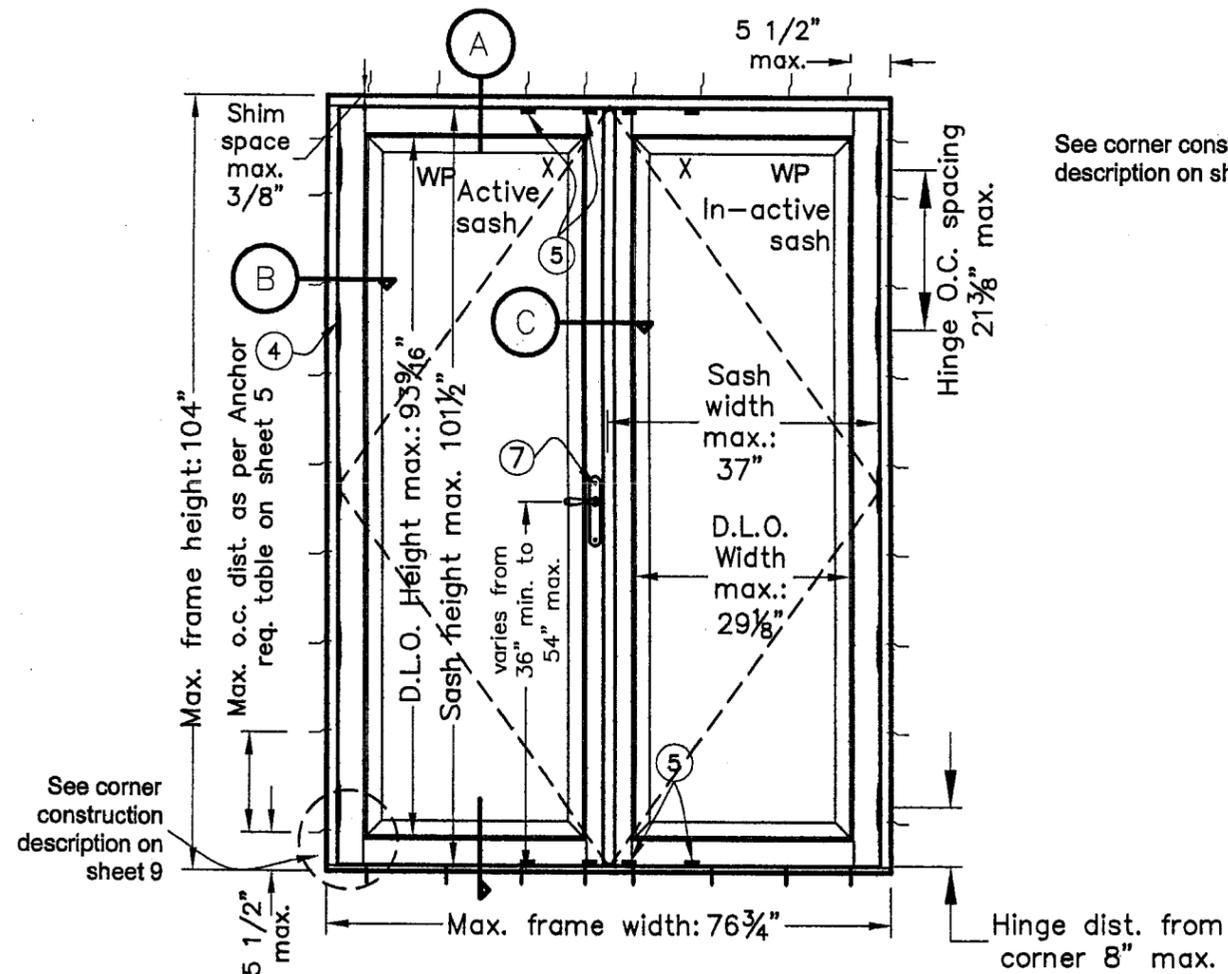
STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC. NO. 44167

[Signature]
MAR 31 2006



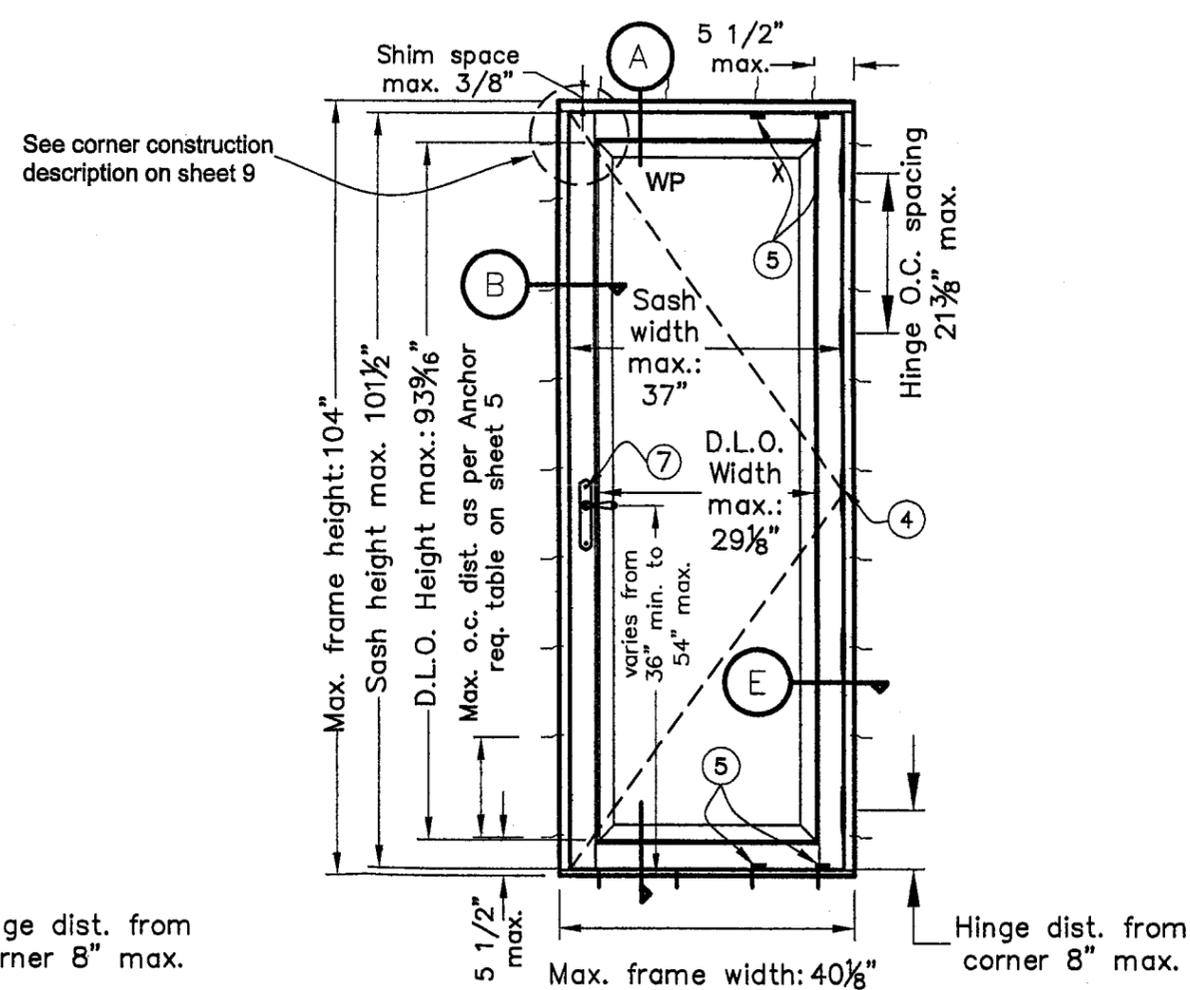
TILLIT TESTING & ENGINEERING COMPANY
6355 NW 36th STREET, STE. 305
MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0405-01
Expiration Date 02/20/11
By: *[Signature]*
Miami Dade Product Control
Division



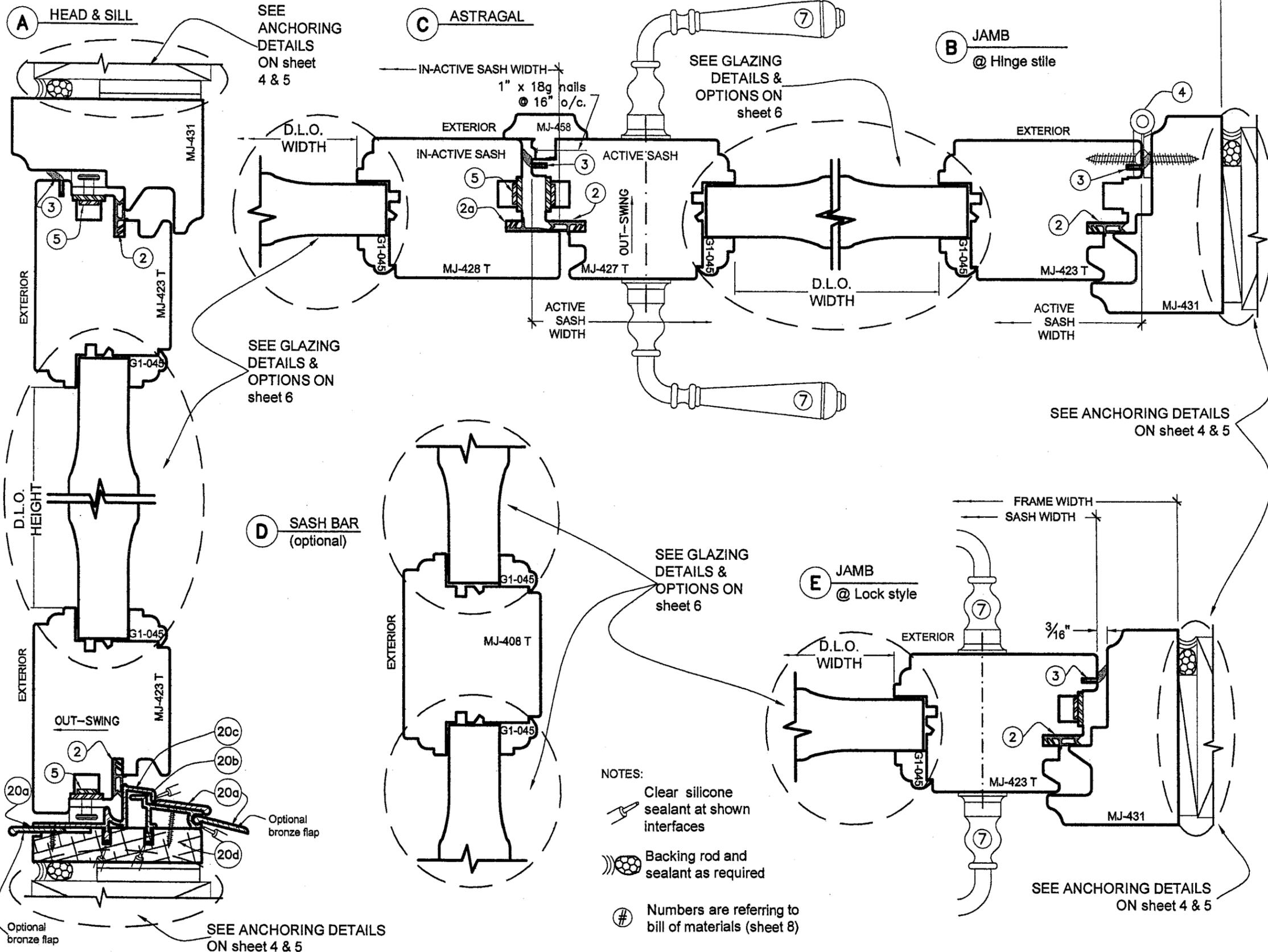
**EXTERIOR ELEVATION
DOUBLE RECTANGULAR OPAQUE DOOR UNIT
WITHOUT SASH BAR (Not to scale)**

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



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

CROSS SECTION VIEWS



mj.
 WINDOWS
 OF EUROPE AND
 THE AMERICAS

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

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: 3 / 9

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

[Signature]

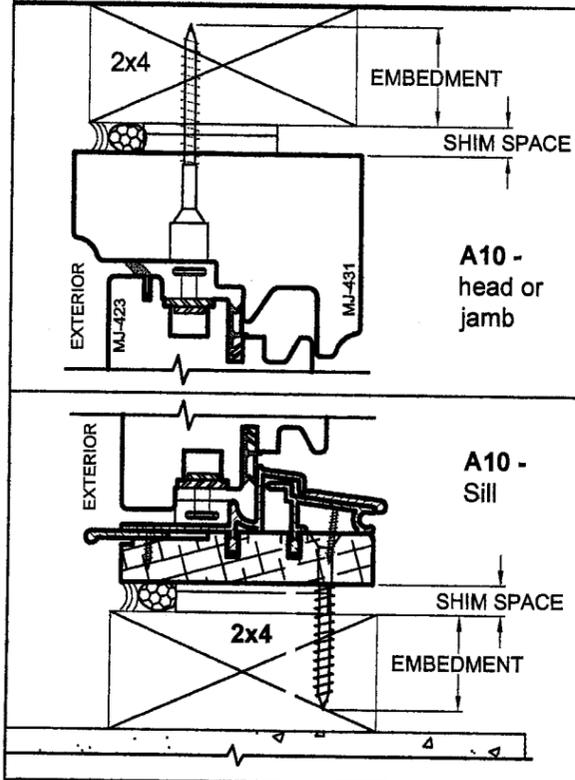
MAR 31 2006

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

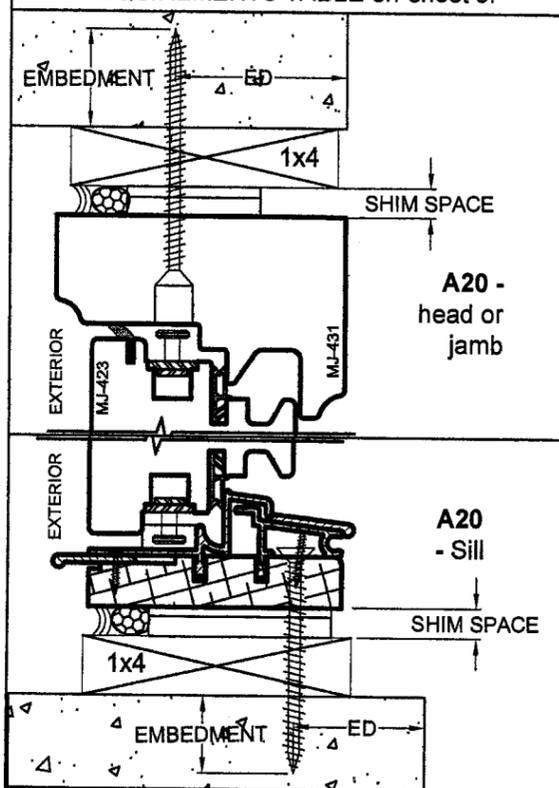
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0405.01
 Expiration Date APRIL 20, 2011
 By *[Signature]*
 Miami Dade Product Control
 Division

- NOTES:
- Clear silicone sealant at shown interfaces
 - Backing rod and sealant as required
 - Numbers are referring to bill of materials (sheet 8)

A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 5.

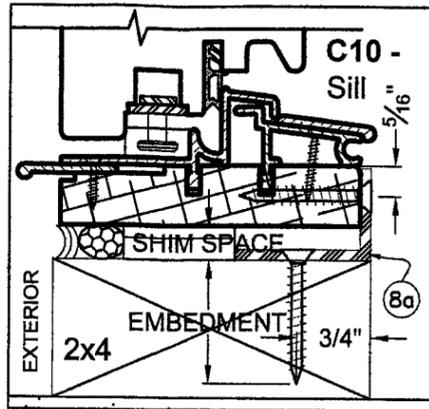


A20 - Typical direct anchor through 1x wood buck into concrete or masonry using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 5.



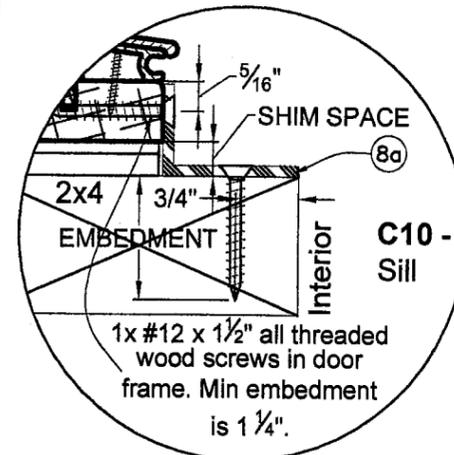
ANCHORING DETAILS

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.



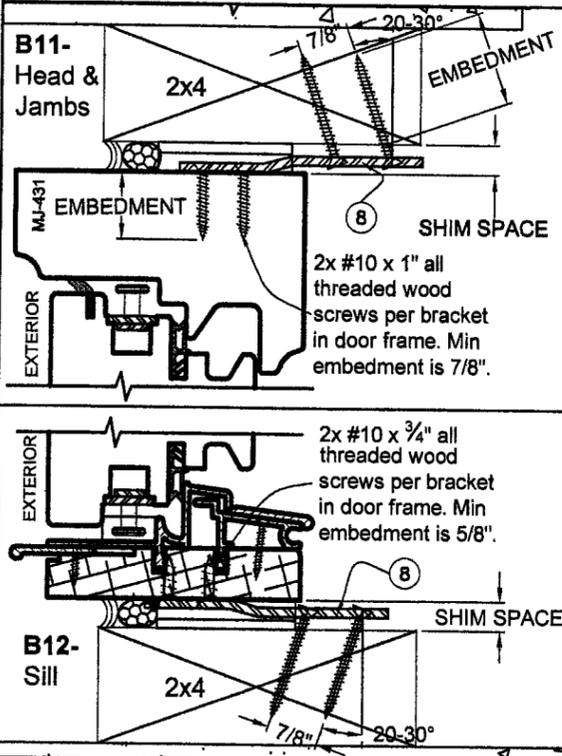
Frame's leg up on the edge of the sill, buck's leg out on the face.

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

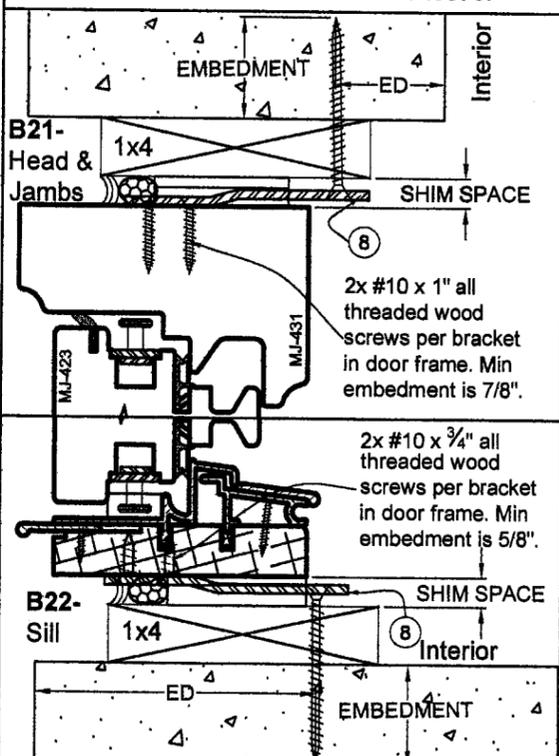


Frame's leg up on the edge of the sill, buck's leg in on the face.

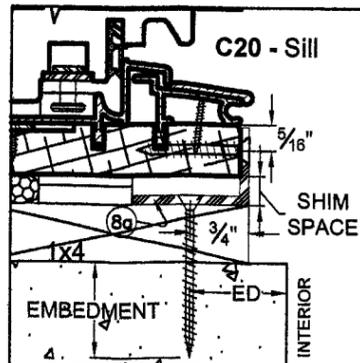
B11, B12 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 5.



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 5.

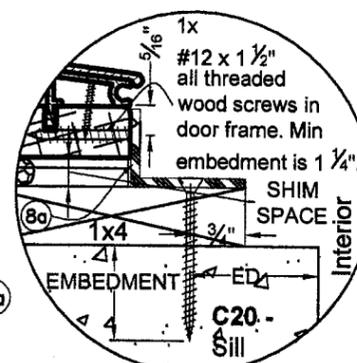


C20 - Typical anchor w/ Continuous Aluminum Angle (8a) using Tapcon screws through 1x wood buck into concrete and wood screw into door frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 5.



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.



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

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:

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

MAR 31 2006



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PRODUCT REVISED
as complying with the Florida
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Acceptance No. 06-0405.01
Expiration Date APRIL 20, 2011

By *(Signature)* *(Name)*
Miami Door Product Control
Division

ANCHORING DETAILS

JS SERIES WOOD OPAQUE DOORS OUTSWING

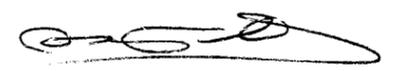
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Date drawn: 03/30/06
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Miami Dade Product Control
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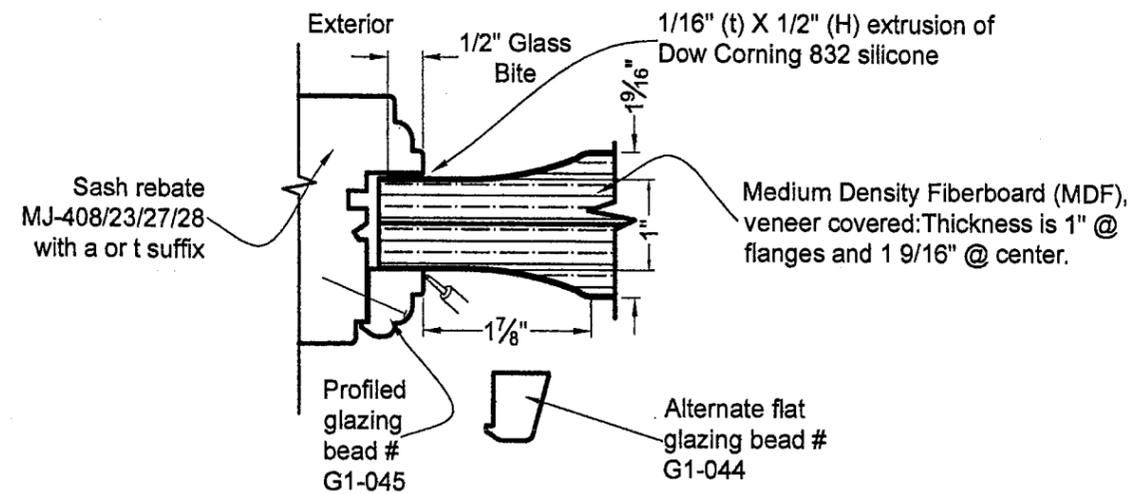
ANCHOR REQUIREMENTS TABLE

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 fc= 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 (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)

GLAZING DETAILS

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

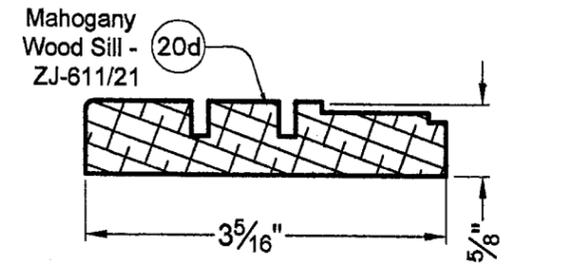
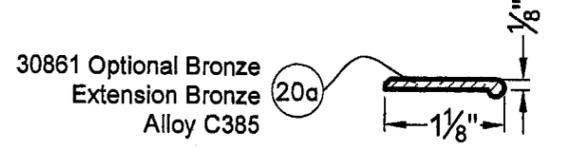
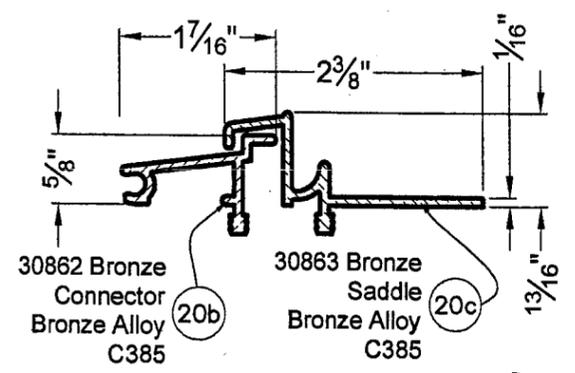
Drawing no.: JS-OP-OUT

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 03/30/06	Date revised:
File: JS-OP-OUT	Page: 6 / 9

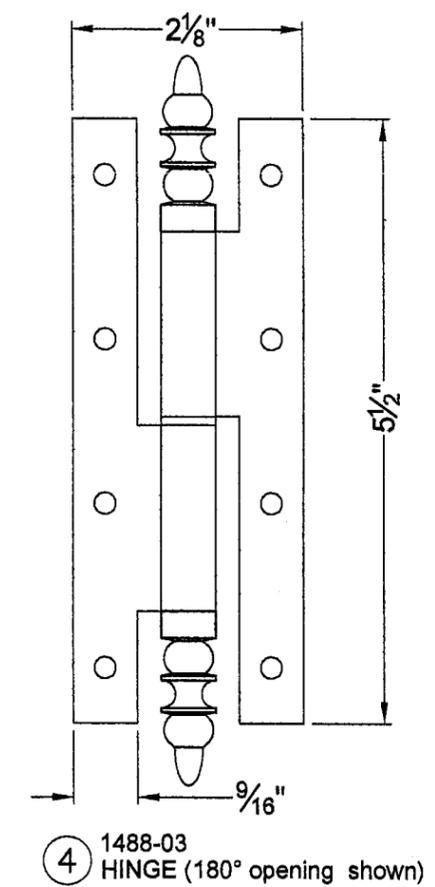
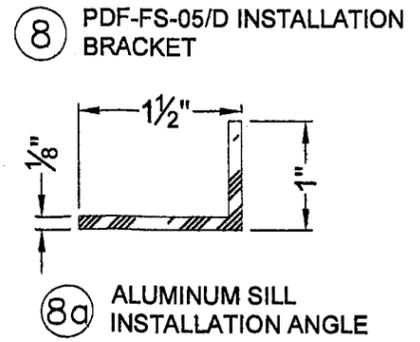
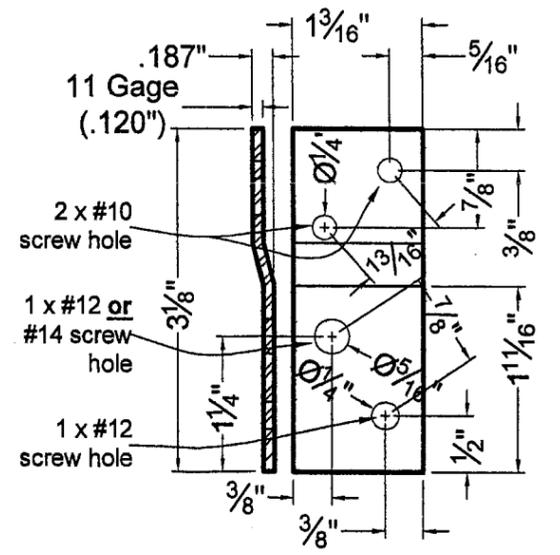
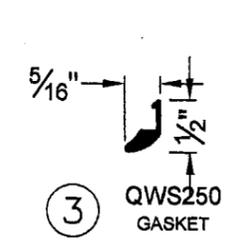
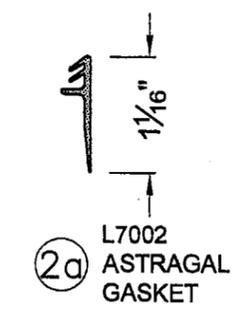
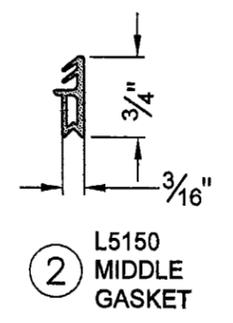
STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC.NO. 44167

MAR 31 2006

ACCESSORIES



20 BRONZE SADDLE OVER WOOD SILL



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

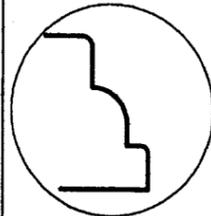
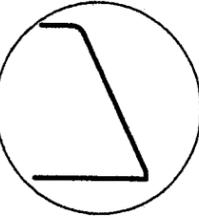
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Acceptance No. 06-0405.01
Expiration Date APRIL 20, 2011
By Walter A. Tillit Jr.
Miami Dade Product Control
Division

WOOD PROFILES

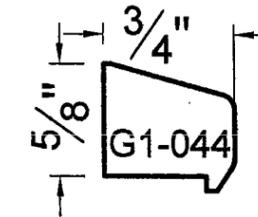
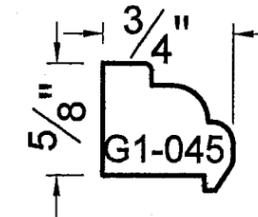
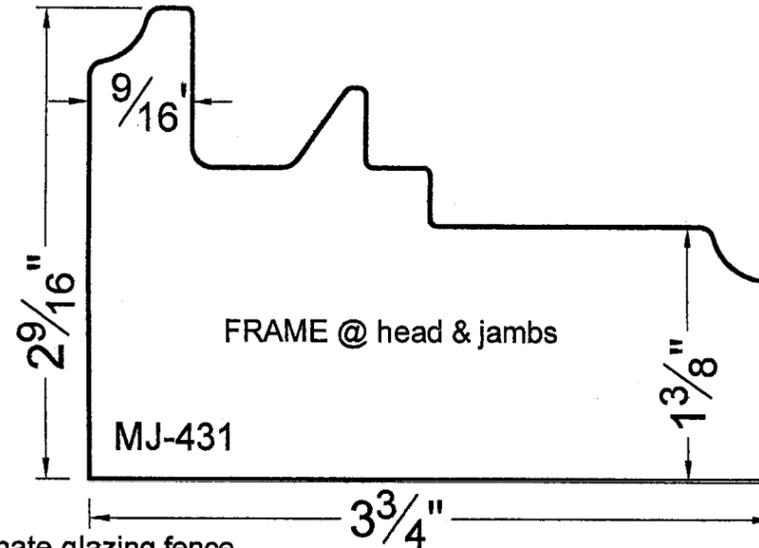
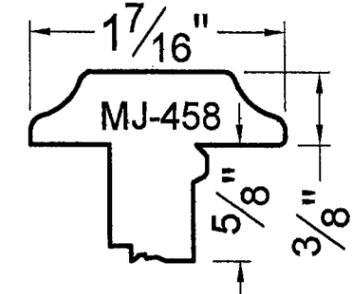
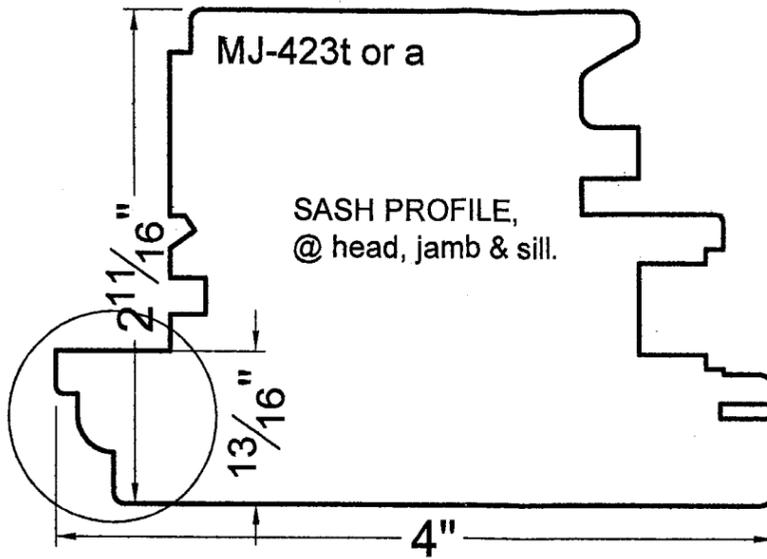
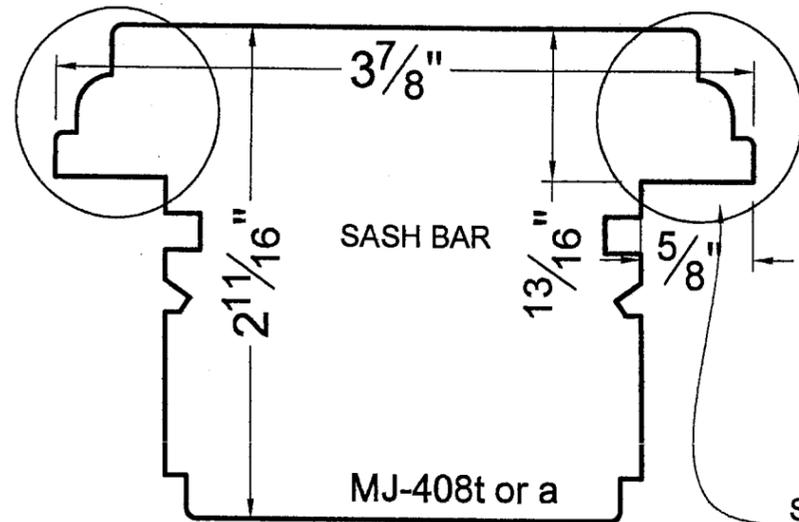
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

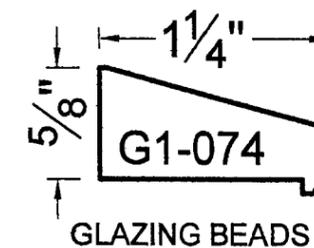
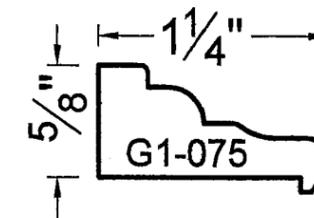
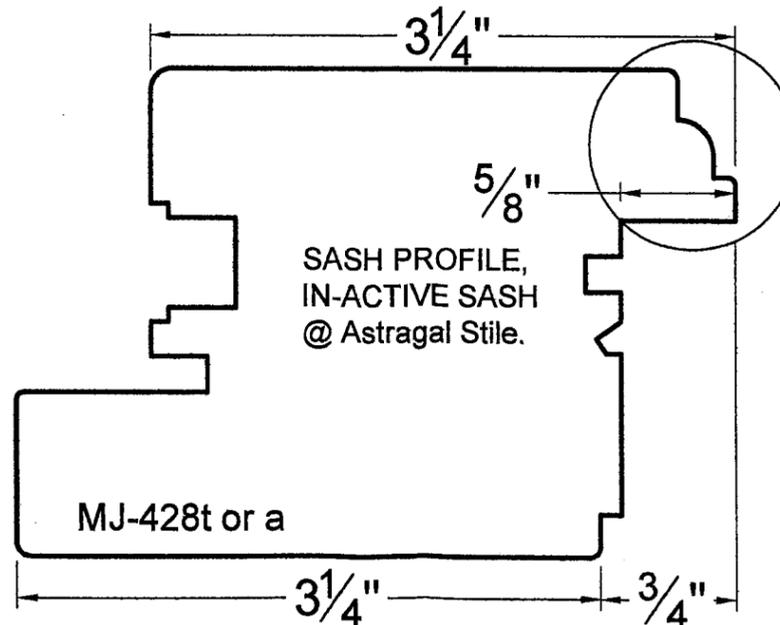
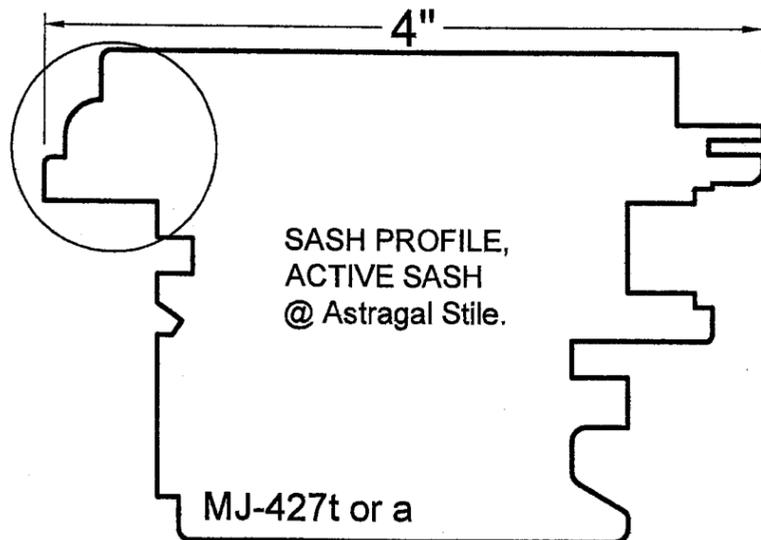
Flat glazing fence:
Part number w/ "a"
suffix.



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



See Alternate glazing fence
details on this sheet



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

MAR 31 2006

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

PRODUCT REVISED
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Expiration Date April 20, 2011
By Isaac J. Landa
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 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.



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

WINDOWS
OF EUROPE AND
THE AMERICAS

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: 8 / 9

STRUCTURALLY REVIEWED BY:
WALTER A. TILLIT JR., P.E.
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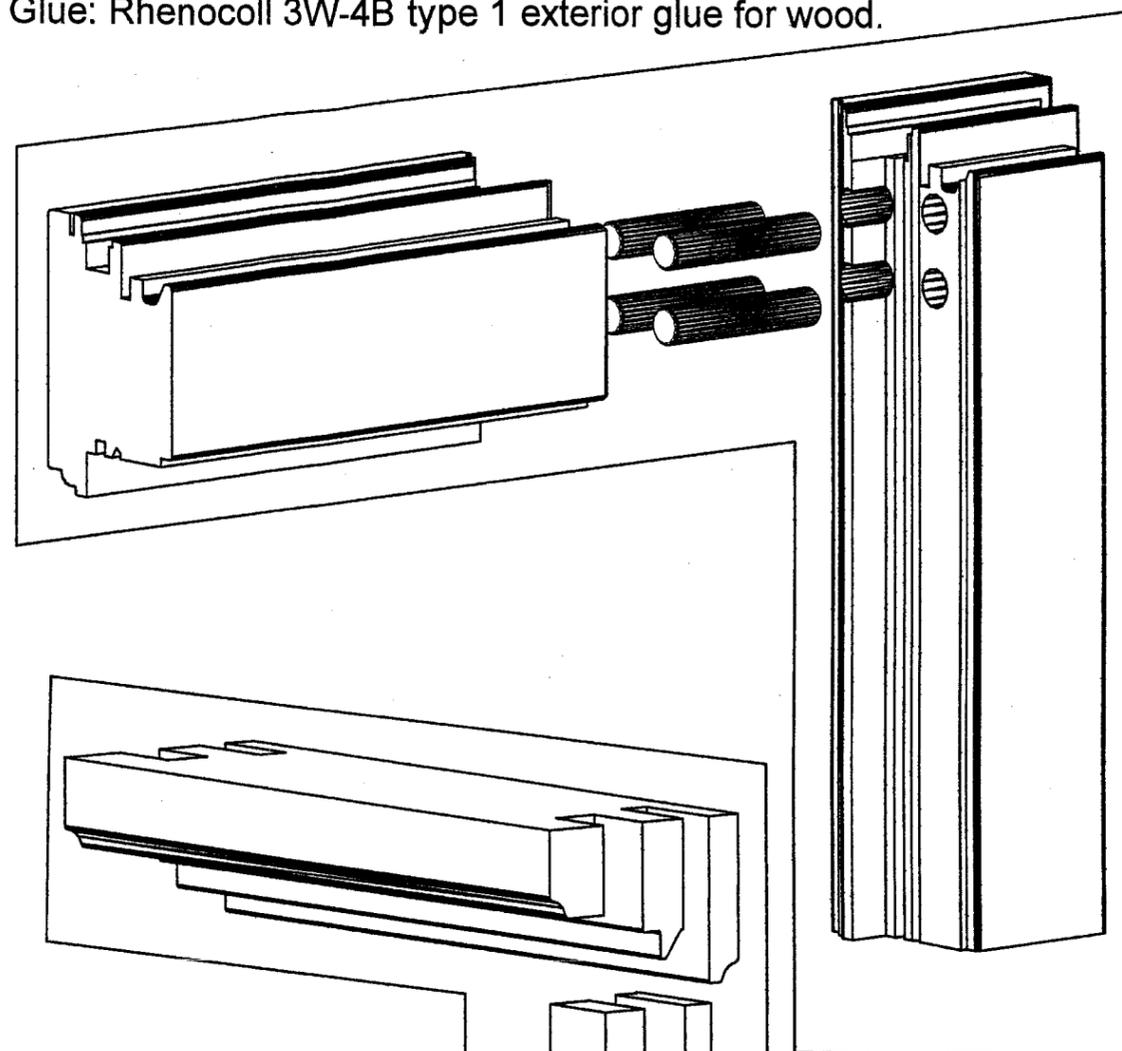
TILLIT TESTING & ENGINEERING COMPANY
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MIAMI, FLORIDA 33166
FL E.B. LICENSE No. 0006719

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By Ishag I. Lhanda
Miami Dade Product Control
Division

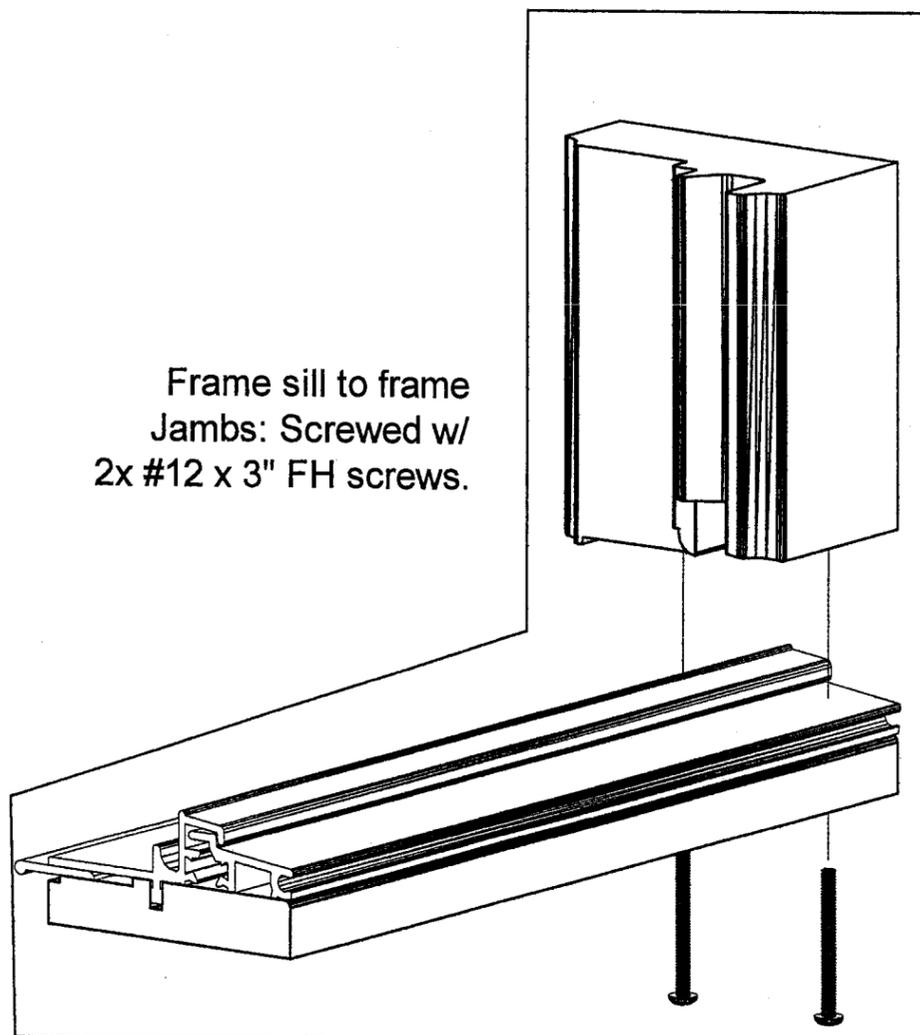
REF. NUMBERS ARE RELATED TO THOSE USED ON CROSS SECTIONS DRAWINGS

**CORNER ASSEMBLY
3D VIEW DETAILS**

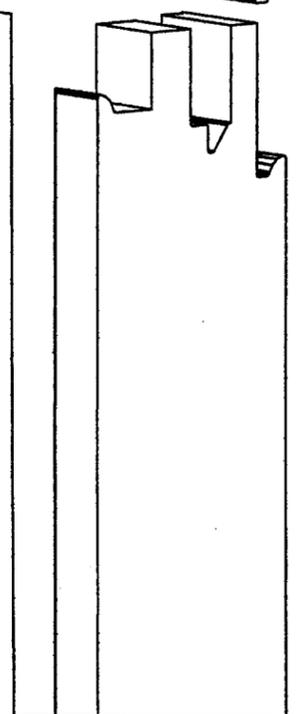
Sash rails and sash bar to sash stiles: 4x 7/16" x 2 3/4"
wood dowels, w/ 1 3/8" embedment to each profile
Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.



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



Frame head to frame
jambs: multifork.
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

STRUCTURALLY REVIEWED BY:

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

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By Ishaq I. Chanda
Miami Dade Product Control
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