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:

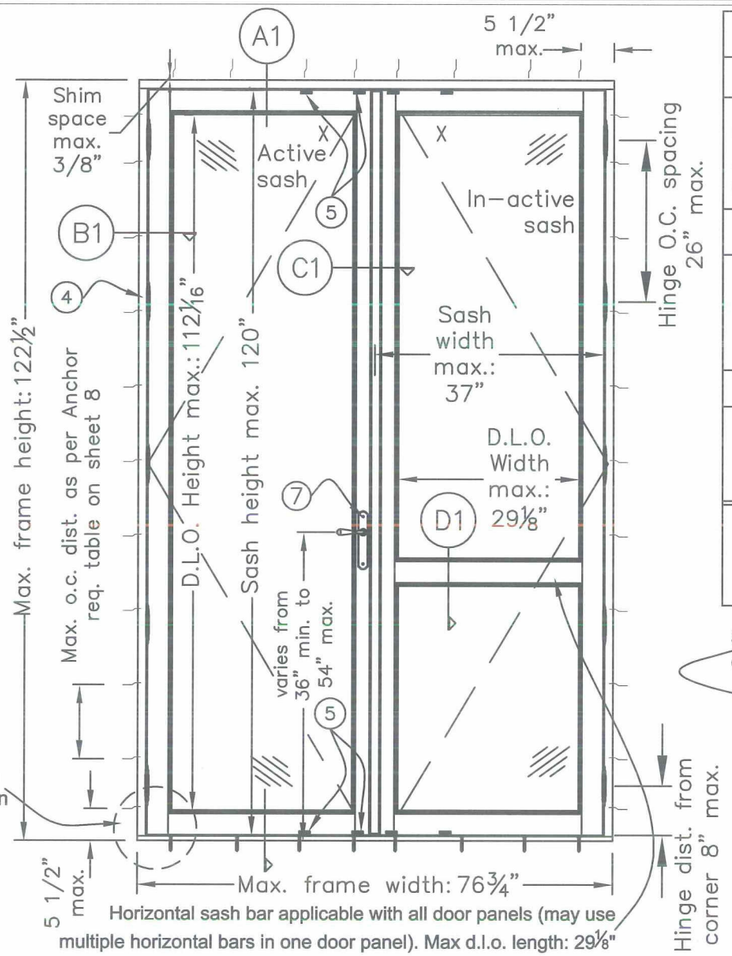
1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 5TH EDITION (2014) FLORIDA BUILDING CODE.

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.

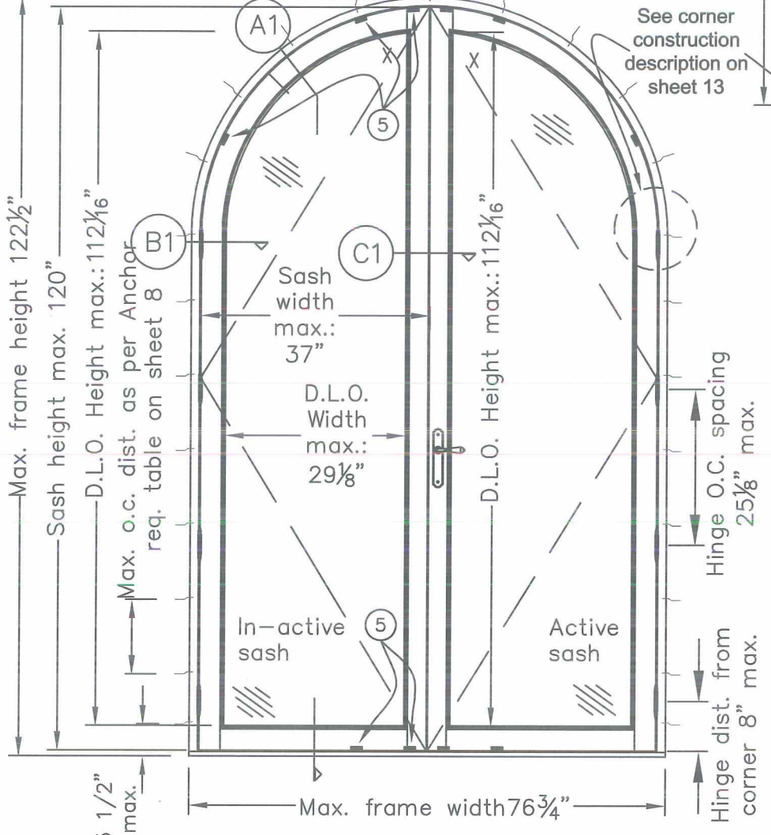
3- WOOD BUCKS (BY OTHERS) AND OPENINGS MUST BE DESIGNED BY THE PROFESSIONAL OF RECORD TO PROPERLY TRANSFER WIND LOADS TO THE MAIN STRUCTURE.

4- SPECIFIED ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

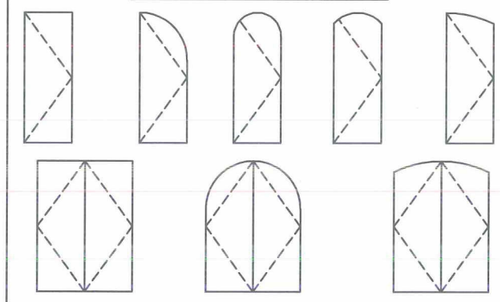
5- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE **WAS NOT** USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF Cd = 1.6 WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.



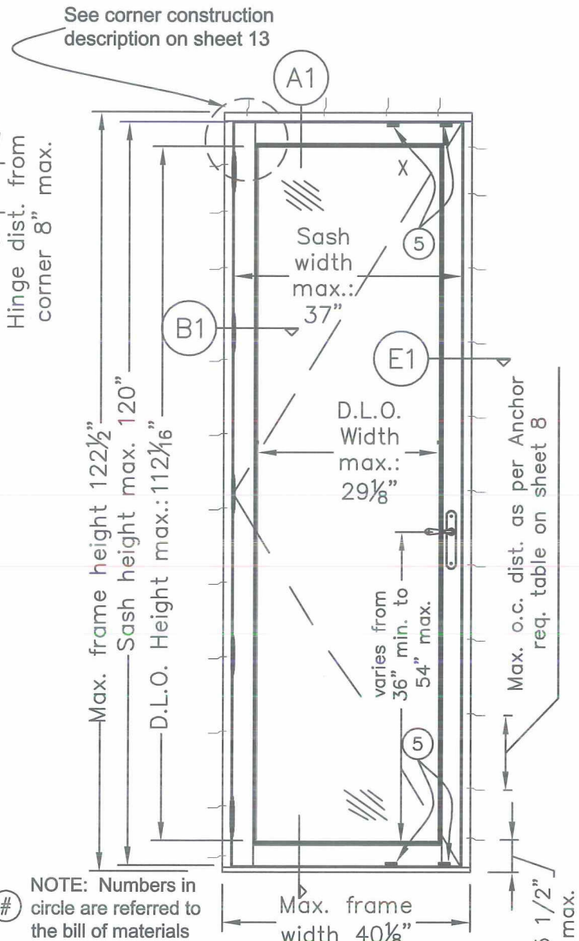
Horizontal sash bar applicable with all door panels (may use multiple horizontal bars in one door panel). Max d.l.o. length: 29⅛"



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 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 IIIG by Eastman Chemical-3/16"(HS)
Option 2: 15/32" (O.T.) Made of 3/16"(HS)-0.090" PVB interlayer Saflex IIIG by Eastman Chemical-3/16"(HS)
GLASS: DOUBLE, INSULATED
1" (O.T.) Made of: 3/16" (AN) - 0.090" PVB plastic film interlayer Saflex IIIG by Eastman Chemical - 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

WINDOWS OF EUROPE AND THE AMERICAS
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: 06/22/15
File:	Page: 1/13

STRUCTURALLY REVIEWED BY:

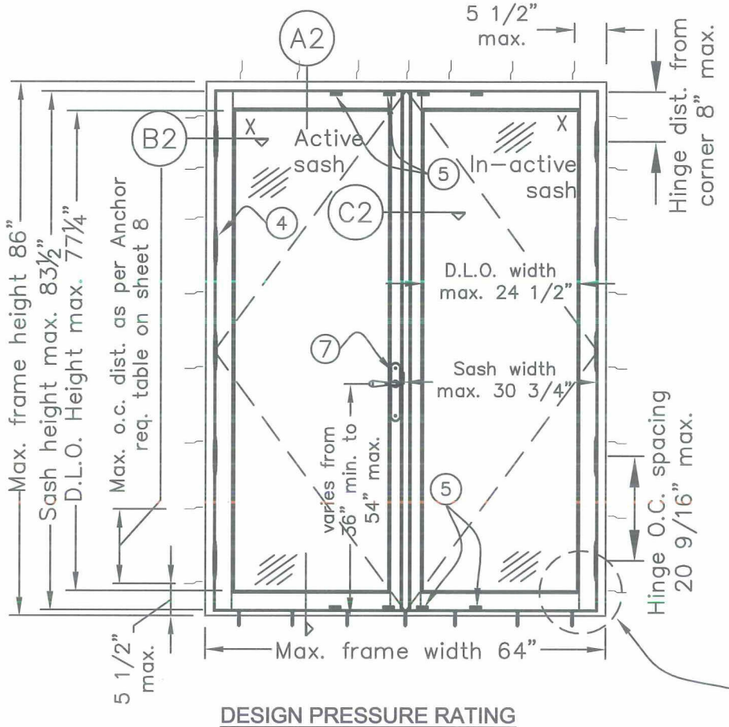
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

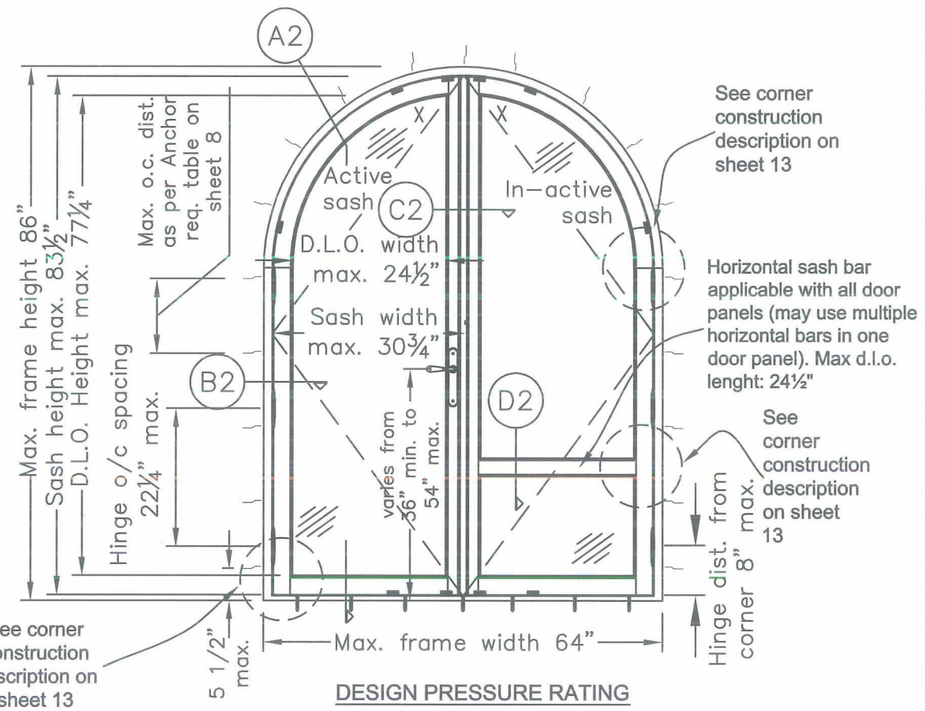
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

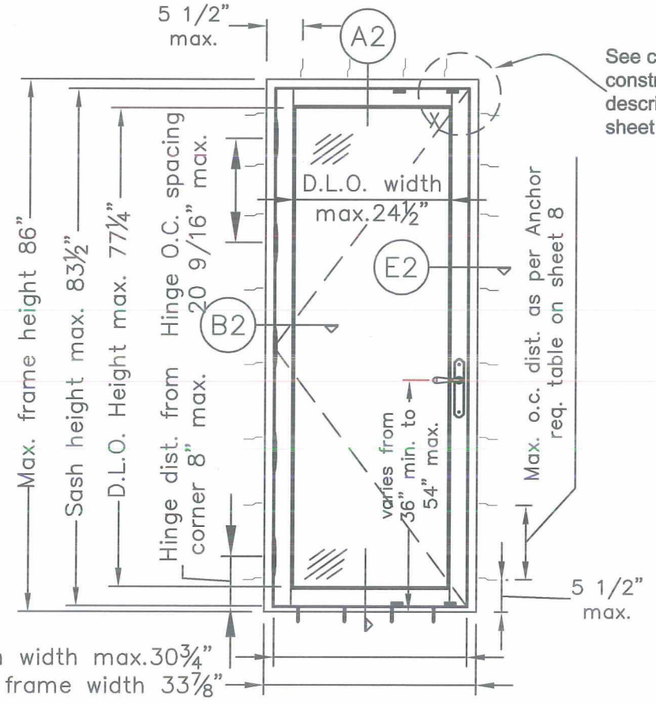
DESIGN PRESSURE APPLYING TO THIS PAGE
As indicated on elevations
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
Shutters are not required.



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

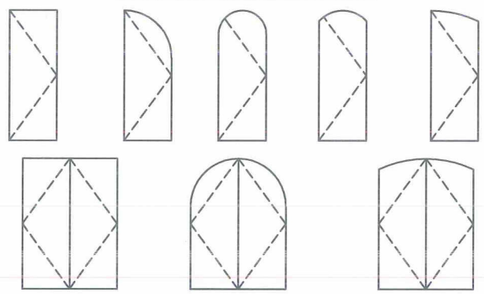


DESIGN PRESSURE RATING
Acting inward: +60.0 psf
Acting outward: -70.0 psf



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 IIIG by Eastman Chemical-3/16"(HS)
GLASS: DOUBLE, INSULATED
1" (O.T.) Made of: 3/16" (AN) - 0.090" PVB interlayer Saflex IIIG by Eastman Chemical - 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

WINDOWS OF EUROPE AND THE AMERICAS
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: 2/13

STRUCTURALLY REVIEWED BY:

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FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

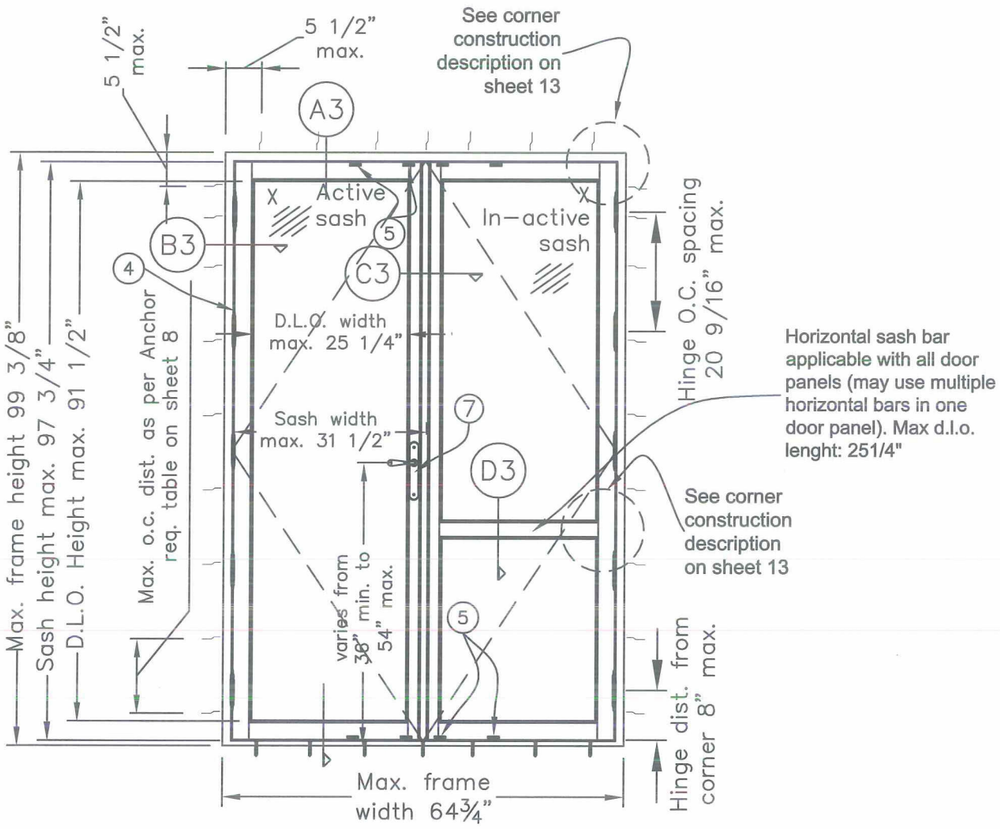
JUN 15 2016

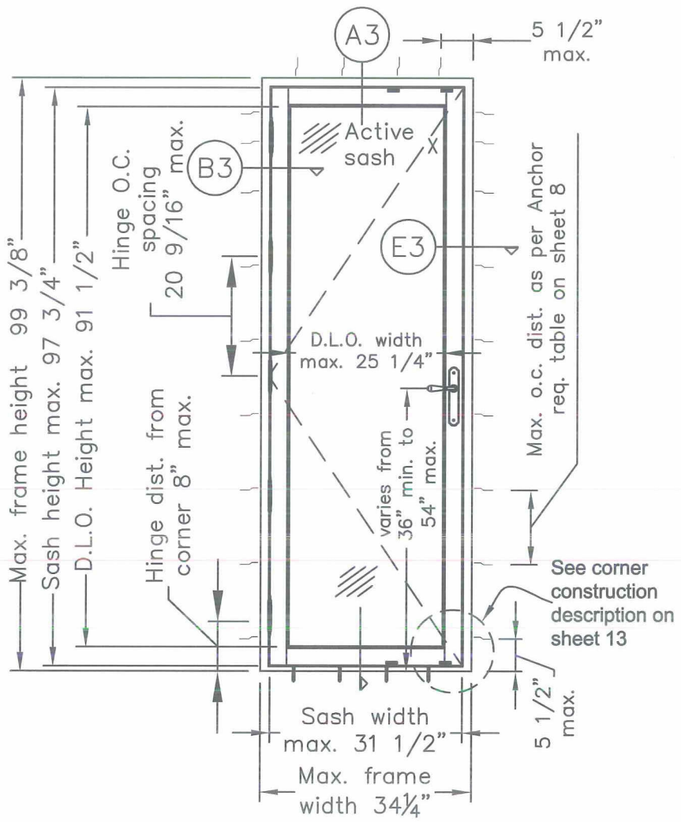
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

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

GLAZING TYPE TABLE
GLASS: SINGLE, LAMINATED
3/16"(AN)-0.090" PVB interlayer Saflex IIIG by Eastman Chemical-3/16"(HS)
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





(#) NOTE: Numbers into circle are referring to the bill of materials on sheet 12.

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

JS SERIE
OUTSWING
WOOD DOORS
MIAMI DADE COUNTY

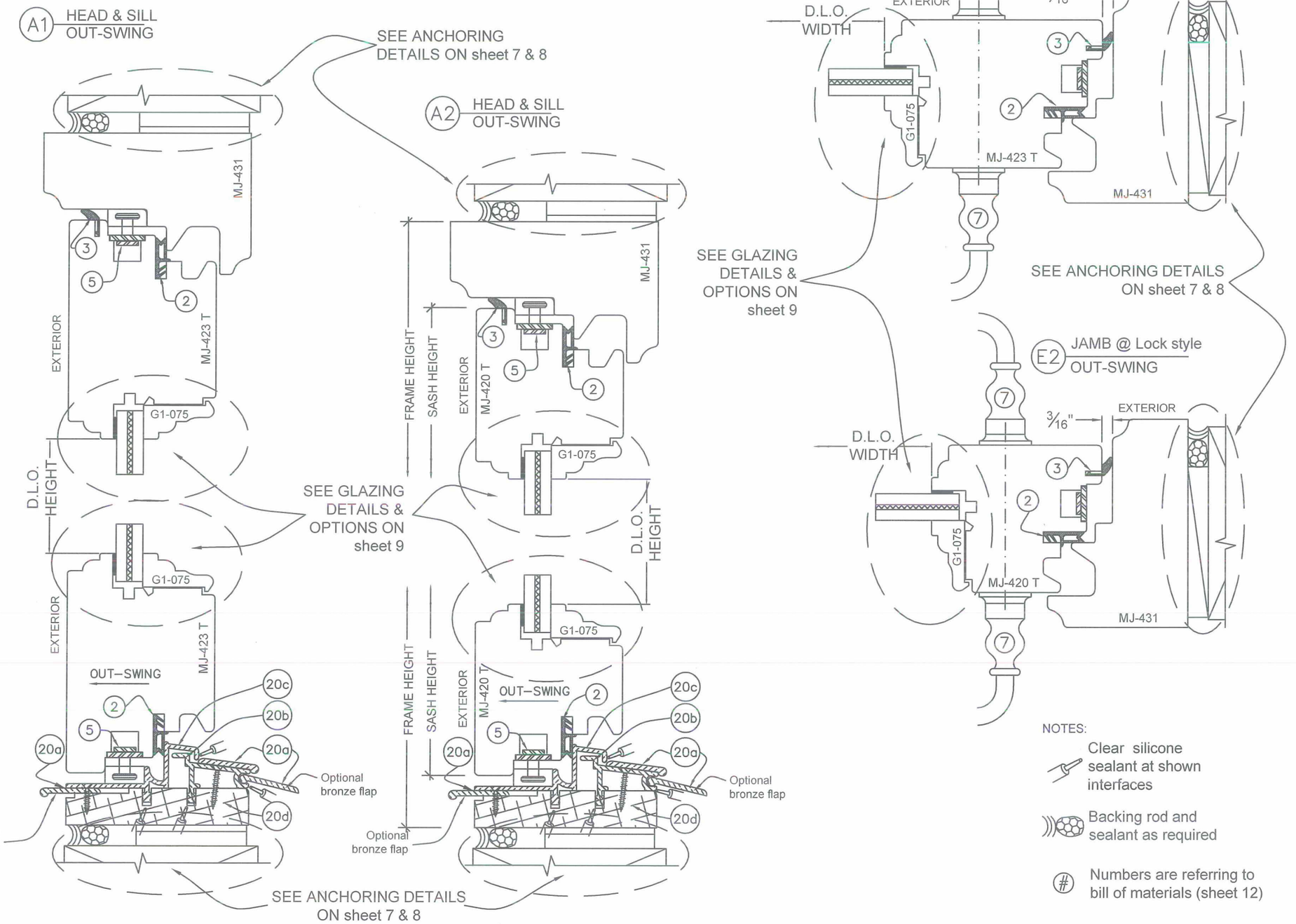
Drawing no.: JS–4–OUT	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/98	Date revised: 01/11/06
File:	Page: 3/13

STRUCTURALLY REVIEWED BY:

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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
JUN 15 2016

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

CROSS SECTION VIEWS



NOTES:

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

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

WINDOWS OF EUROPE AND THE AMERICAS

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

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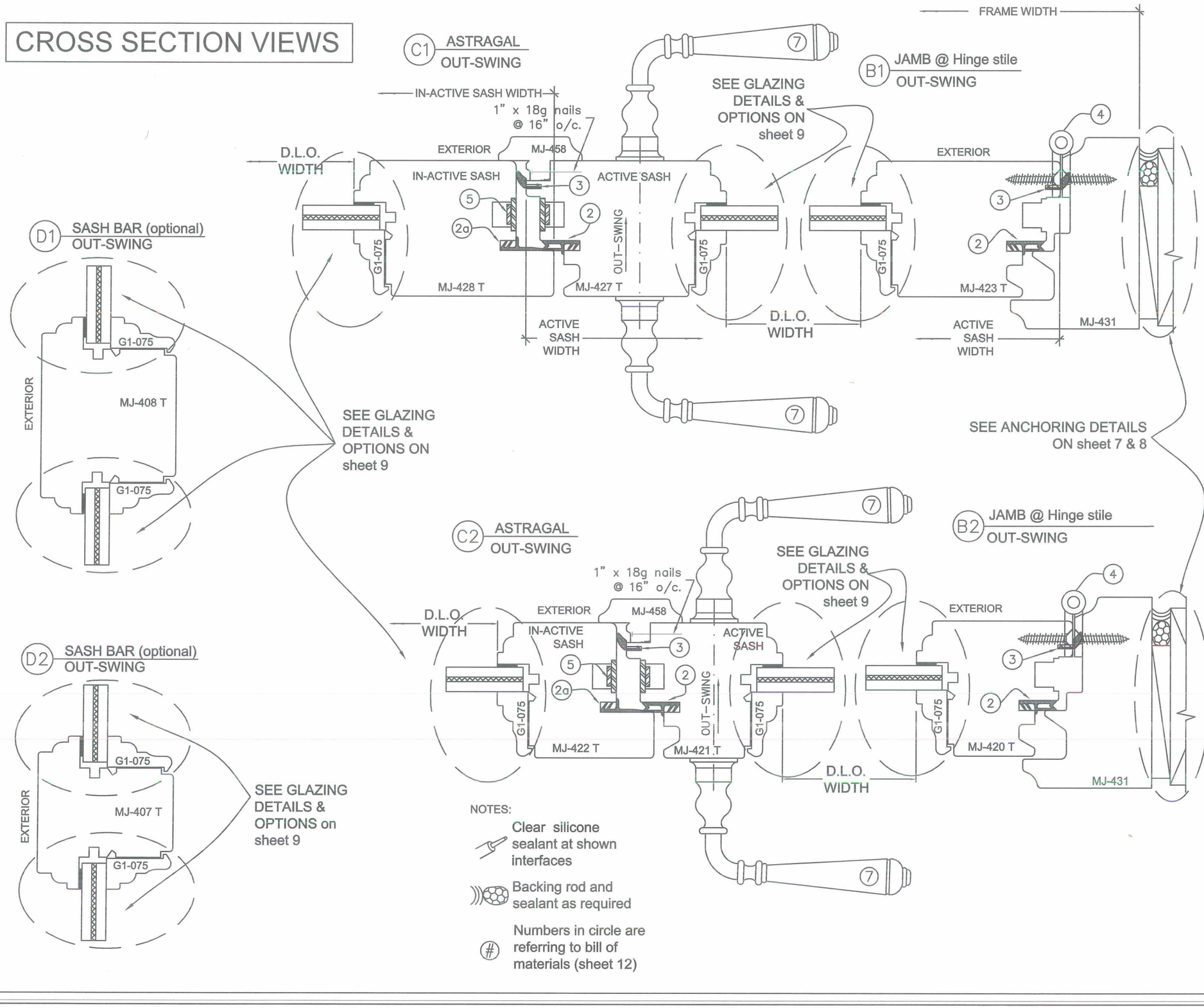
SCOTT WOLTERS
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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

CROSS SECTION VIEWS



NOTES:

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

WINDOWS OF EUROPE AND THE AMERICAS

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: 5/13

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FL PE# 62354

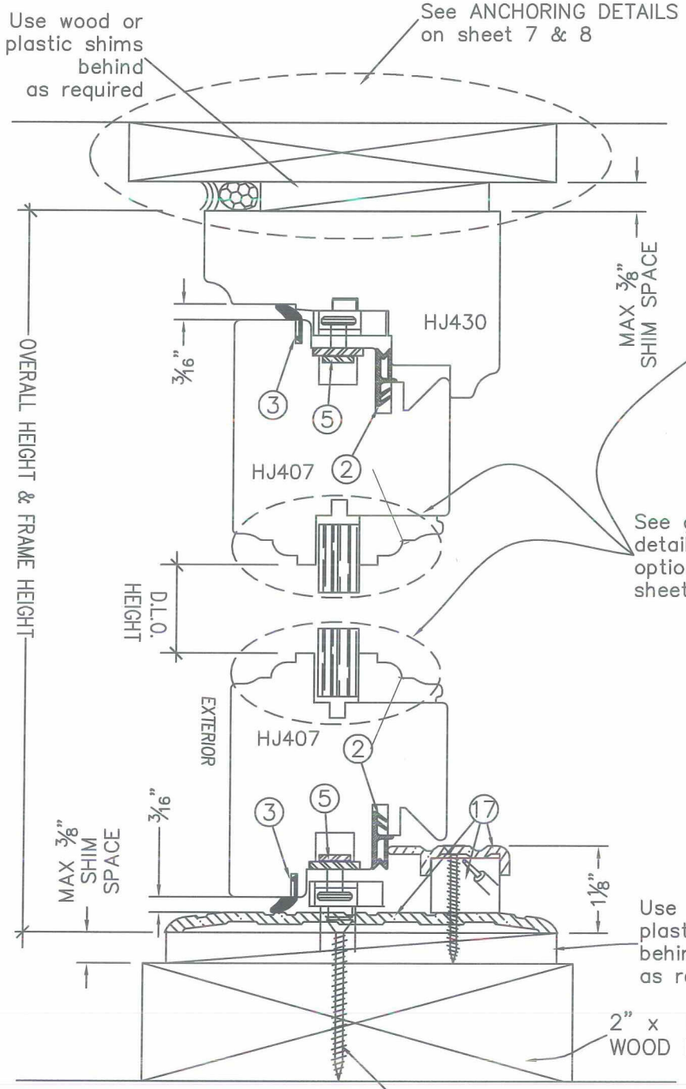
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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

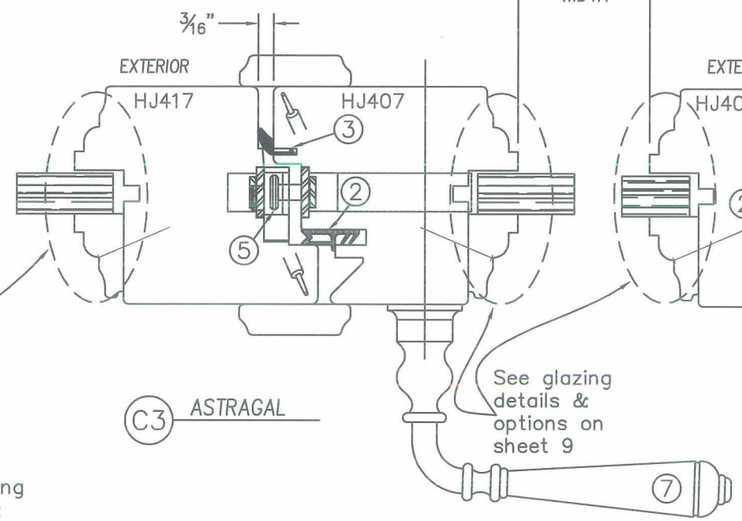
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

CROSS SECTION VIEWS

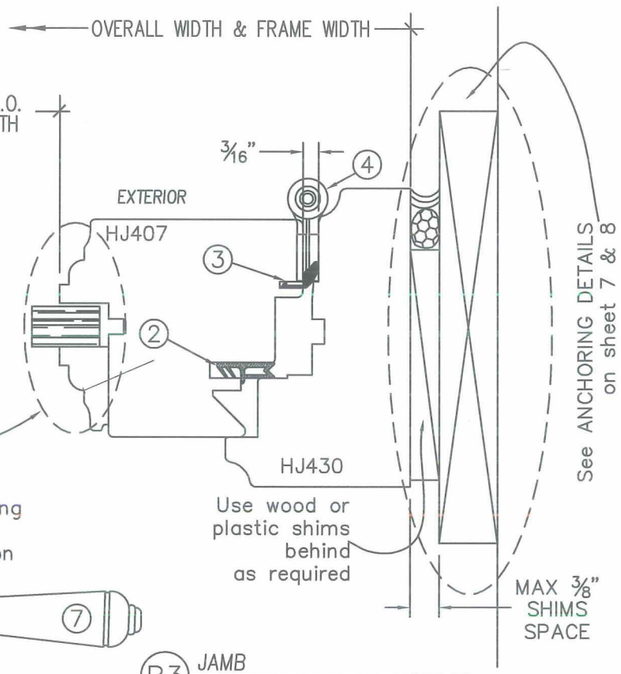
A3 HEAD & SILL (@ Head)



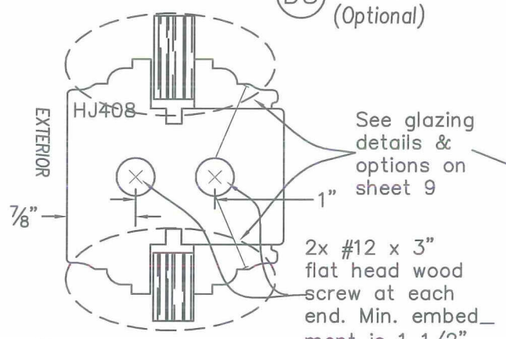
C3 ASTRAGAL



B3 JAMB @ Hinge stile

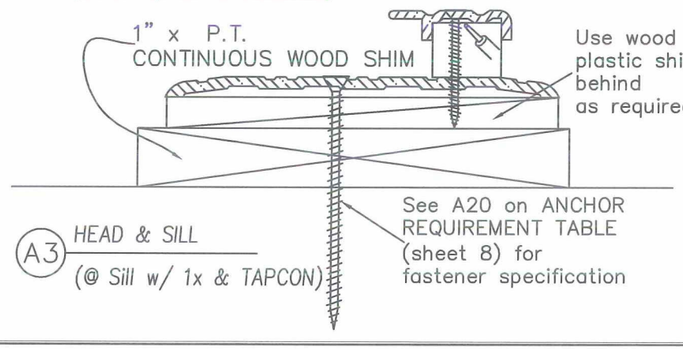


D3 SASH BAR (Optional)



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

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



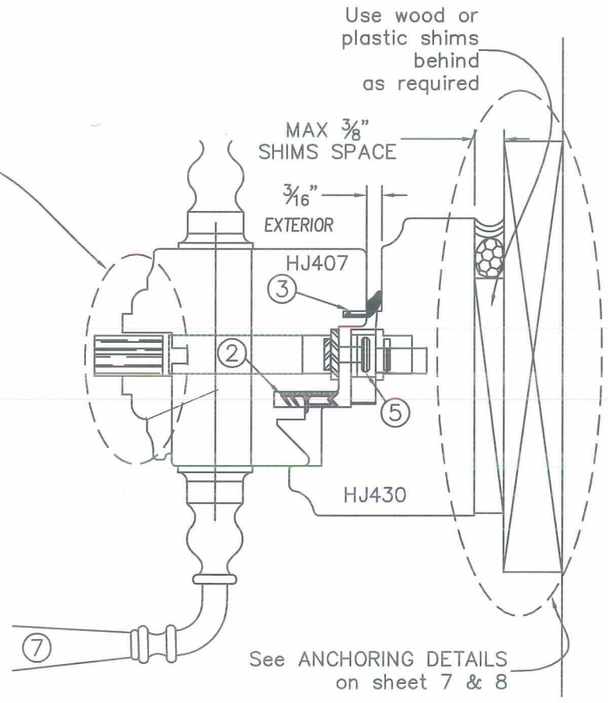
NOTES:

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



WINDOWS OF EUROPE AND THE AMERICAS

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:

SCOTT WOLTERS
FL PE# 62354

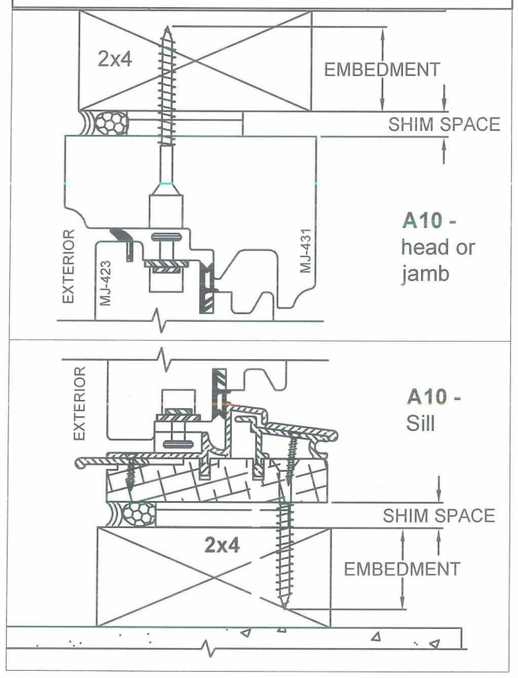
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

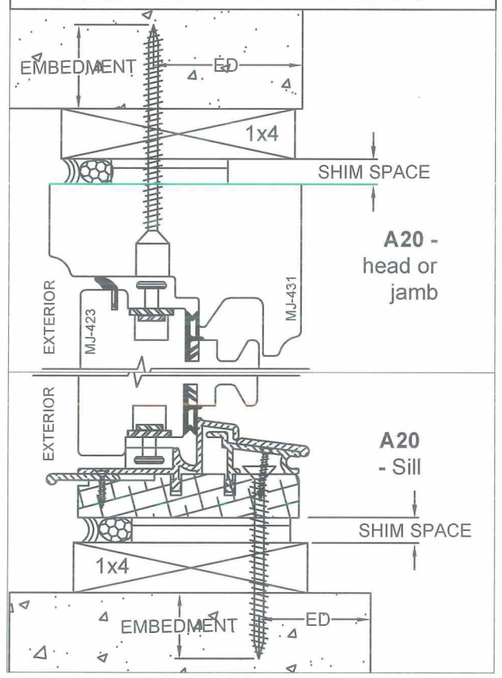
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

ANCHORING DETAILS

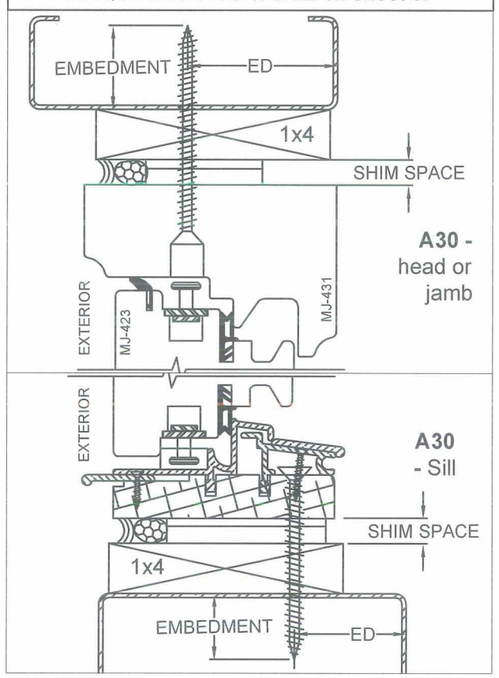
A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.



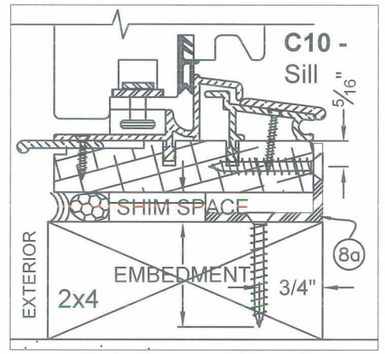
A20 - Typical direct anchor through 1x wood buck into concrete or masonry using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.



A30 - Typical direct anchor through 1x wood buck into steel or aluminum using Teks type screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.

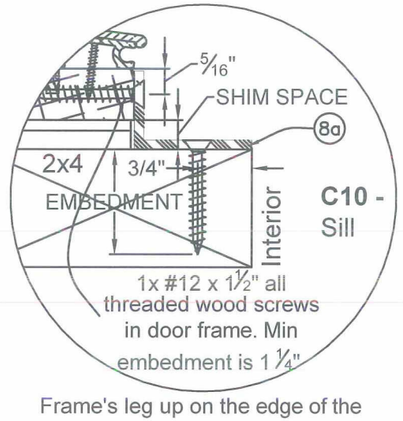


C10 - Typical anchor (@ sill only) w/ Continuous Aluminum Angle using wood screws in 2x wood buck and door frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 8.



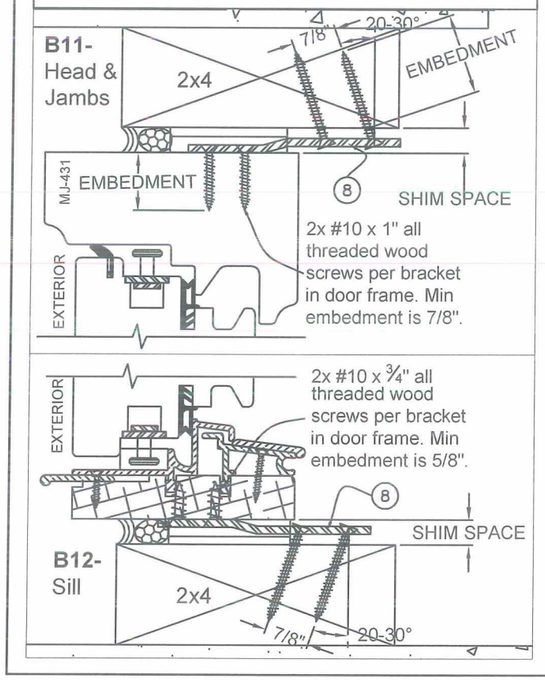
Frame's leg up on the edge of the sill, buck's leg in on the face.

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

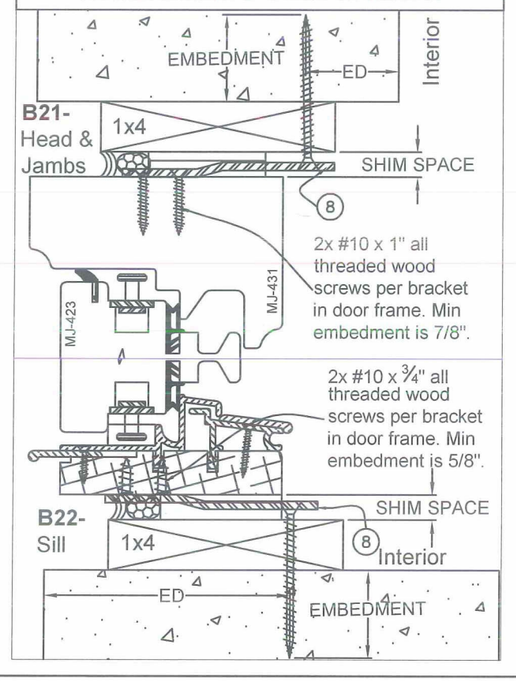


Frame's leg up on the edge of the sill, buck's leg out on the face.

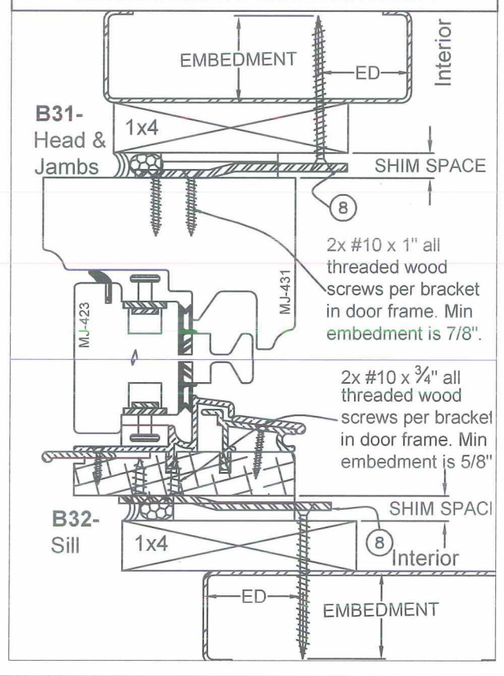
B11, B12 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 8.



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.



B31, B32 - Typical anchor w/ Installation Bracket (8) using Teks type screws through 1x wood buck into steel or aluminum as per ANCHOR REQUIREMENTS TABLE on sheet 8.



WINDOWS OF EUROPE AND THE AMERICAS

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: 7/13

STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

ANCHOR REQUIREMENTS TABLE

Anchoring method	Sub-strate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing: From corner / On center	Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment: Into buck/ concrete/stud	Min. embedment: Into unit frame
Direct anchor (shear screws)	2x_ wood buck	**A10 4 sides**	Through the unit frame into the wood buck (S.G.=0.5 min): (1) #14 x 2 3/4" wood screw.	5½" / 4 ½"	7/8"	-----	7/8"	1 ¼"	-----
	1x_ wood buck	**A20 4 sides**	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (1) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw.	5½" / 5 ½"	1 "	2½"	1 "	1 ¼"	-----
		A30 4 sides	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (⅛", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw.	5½" / 5 ½"	1 "	1 "	1 "	Full*	-----
PDF-FS-05/D Installation bracket	2x_ wood buck	**B11 head/ jamb**	To the wood buck (S.G.=0.5 min): (2) #12 X 1 1/2" (a.T.) wood screws. Into the unit frame: (2) # 10 x 1" a.T. wood screws.	5½" / 11"	7/8"	-----	3/4"	1 ¼"	7/8"
		B12 sill	To the wood buck (S.G.=0.5 min): (2) #12 X 1 1/2" (a.T.) wood screws. Into the unit frame: (2) # 10 x 1" a.T. wood screws.	5½" / 6 ½"	7/8"	-----	7/8"	1 ¼"	7/8"
	1x_ wood buck	**B21 head/ jambs**	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (1) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5½" / 10 ½"	1 "	2½"	3/4"	1 ¼"	7/8"
		B22 sill	Through the buck frame into concrete (f'c=2846 psi min) or cmu (ASTM C90 min): (1) 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5½" / 6 ½"	1 "	1 "	3/4"	1 ¼"	7/8"
		B31 head/ jambs	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (⅛", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5½" / 10 ½"	1"	1"	7/8"	Full*	7/8"
		B32 sill	Through the buck frame into steel (18 ga, 45 ksi min) or alum. (⅛", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5½" / 6 ½"	1 "	2½"	3/4"	Full*	7/8"
Continuous aluminum angle (At sill only)	2x_ wood buck	**C10 sill**	To the unit sill and to the wood buck (S.G.=0.5 min): (1) #12 x1 1/2" a. T. wood screw.	5½" / 10"	3/4"	-----	3/4"	1 ¼"	1 ¼"
	1x_ wood buck	**C20 sill**	Through the buck into concrete (f'c= 2826 psi min) or cmu (ASTM C90 min): 1/4" x 2 3/4" Elco Ultracon or ITW Tapcon. Into the unit sill: (1) #12 x1 1/2" a.T. wood screw.	5½" / 7"	1 "	2½"	3/4"	1 ¼"	1 ¼"
		C30 sill	Through the buck into steel (18 ga, 45 ksi min) or alum. (⅛", 6063-T6 min): (1) 1/4" x 2 3/4" Elco Dril-flex or ITW Teks screw. Into the unit sill: (1) #12 x 1 ½" a.T. wood screws.	5½" / 10"	1 "	1 "	3/4"	Full*	1 ¼"

* At metal studs, fastener threads must be fully engaged, with three threads minimum beyond the stud wall, for full embedment.

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.

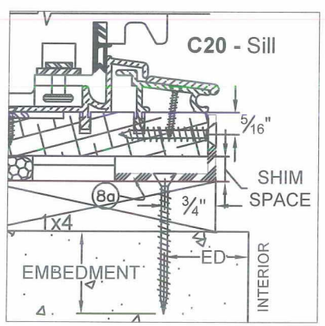
-Installation brackets (8) and aluminun angles (8a) may be positioned at the interior or exterior side of the door.

-Materials, but not limited to steel & steel screws that come in contact with other dissimilar materials shall meet with chapters 20 and 23 of the Florida Building Code.

Backing rod and sealant as required

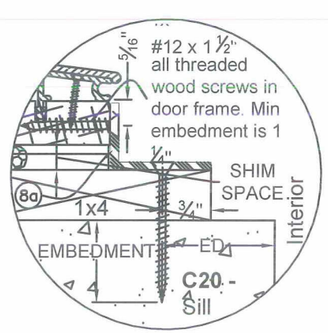
(#) Numbers in circle are referring to bill of materials (sheet 12)

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



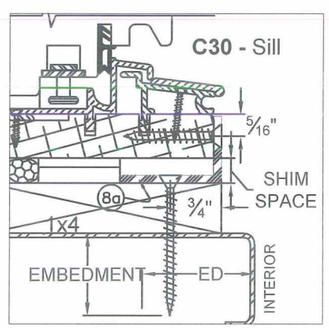
Frame's leg up on the edge of the sill, buck's leg in on the face.

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



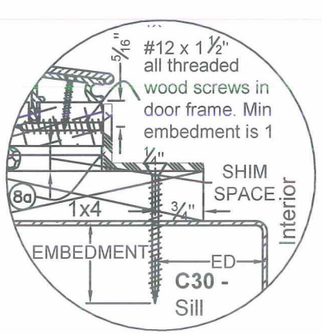
Frame's leg up on the edge of the sill, buck's leg out on the face.

C30 - Typical anchor w/ Continuous Aluminum Angle (8a) using Teks type screws through 1x wood buck into steel or aluminum and wood screws into door frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on this sheet.



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

WINDOWS OF EUROPE AND THE AMERICAS
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: 8/13

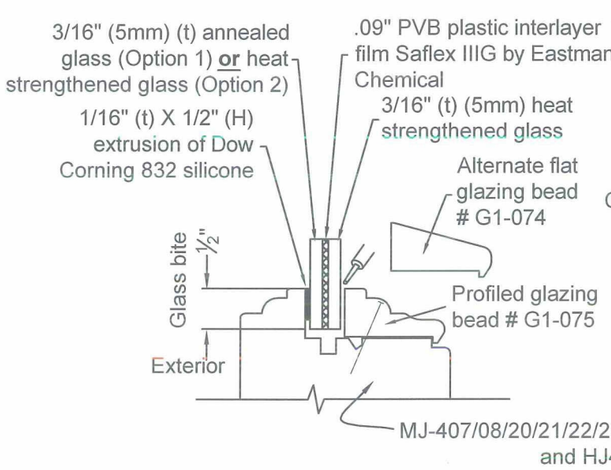
STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
JUN 15 2016

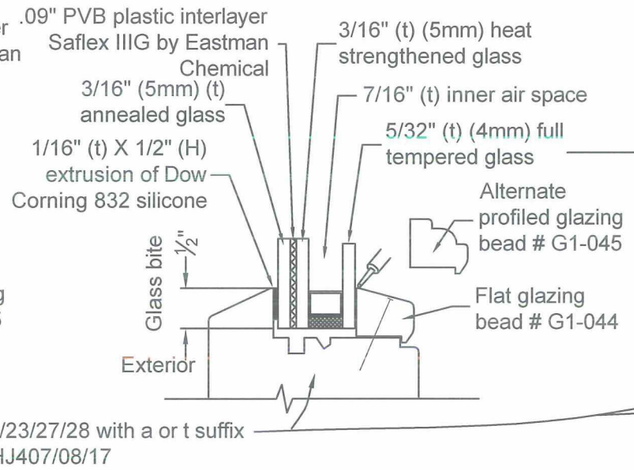
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

GLAZING DETAILS

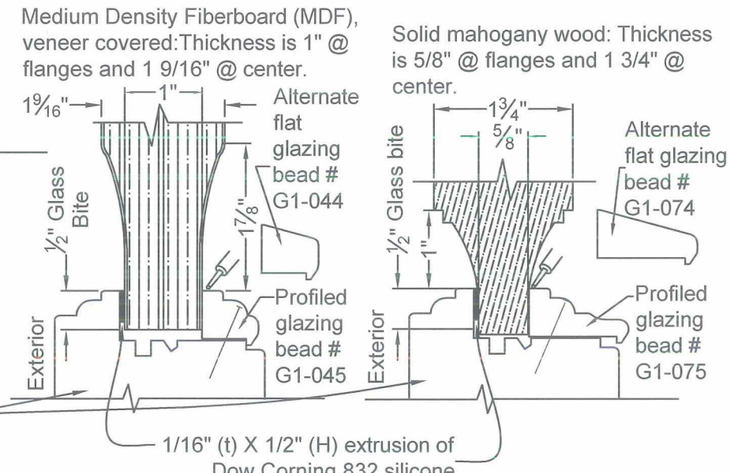
Typ. glazing w/ monolithic laminated glass



Typ. glazing w/ double insulated glass

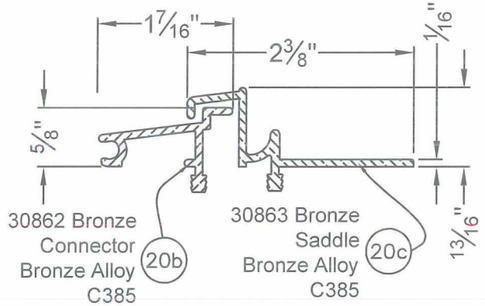


Typ. glazing w/ raised wood panel

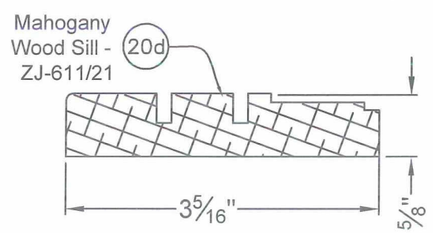


NOTE: All glazing beads fixed at the glass perimeter w/ #18 gauge x 1" long finishing nails spaced 2" from the corners and 10" o/c.

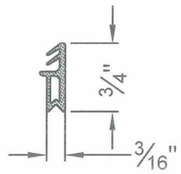
ACCESSORIES







20 BRONZE SADDLE OVER WOOD SILL



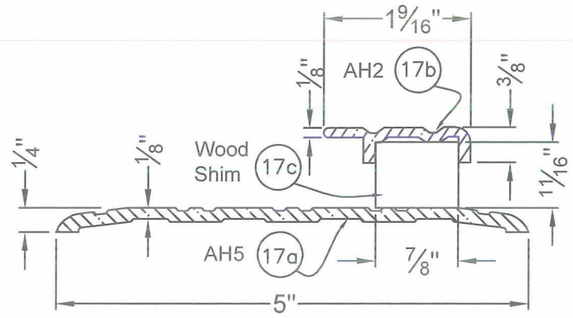
2 L5150 MIDDLE GASKET



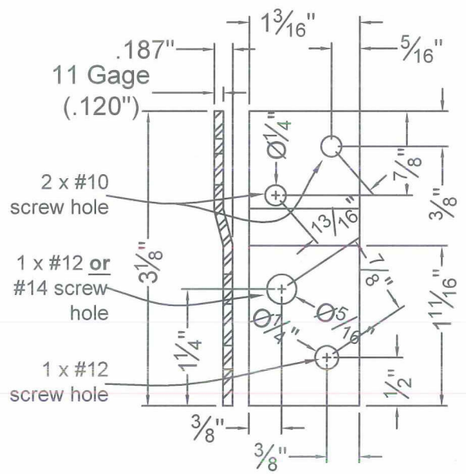
2a L7002 ASTRAGAL GASKET



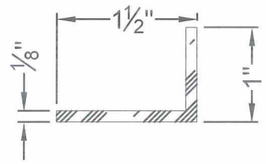
3 QWS250 GASKET



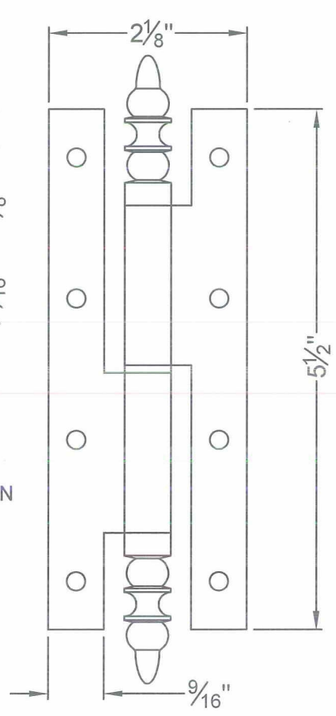
17 ALUMINUM FLAT SILL



8 PDF-FS-05/D INSTALLATION BRACKET



8a ALUMINUM SILL INSTALLATION ANGLE



4 1488-03 HINGE (180° opening shown)

MQ WINDOWS OF EUROPE AND THE AMERICAS
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: 9/13

STRUCTURALLY REVIEWED BY:

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FL PE# 62354

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15211 97TH ROAD N
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JUN 15 2016

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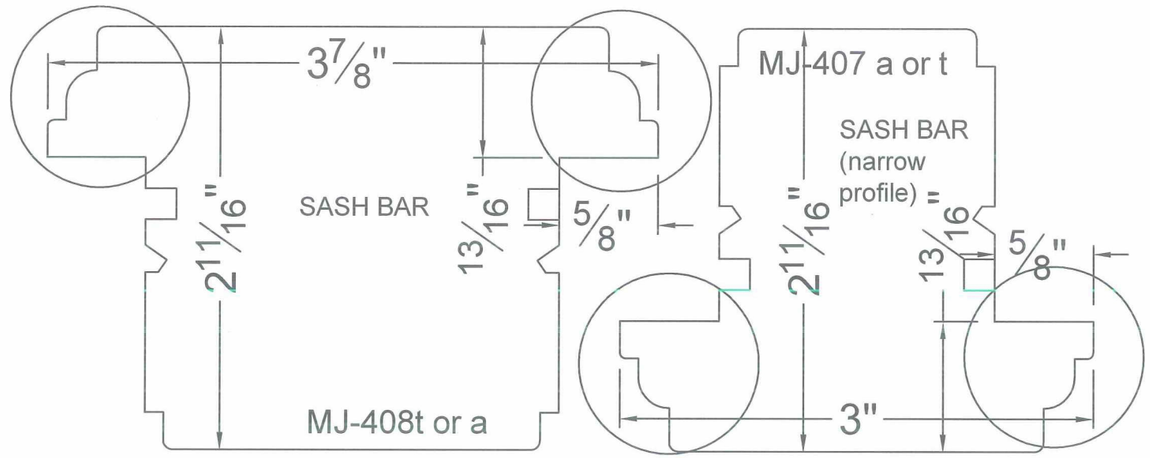
WOOD PROFILES

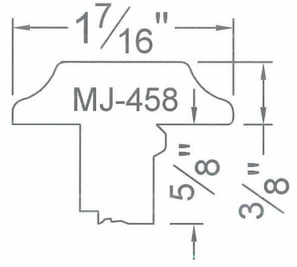
NOTE: All profiles dimensions shown are minimum dimensions.
NOTE: All profiles are Honduran Mahogany, with S.G=0.45 (min) and E=1.4x10 psi (min).

Alternate glazing fence details

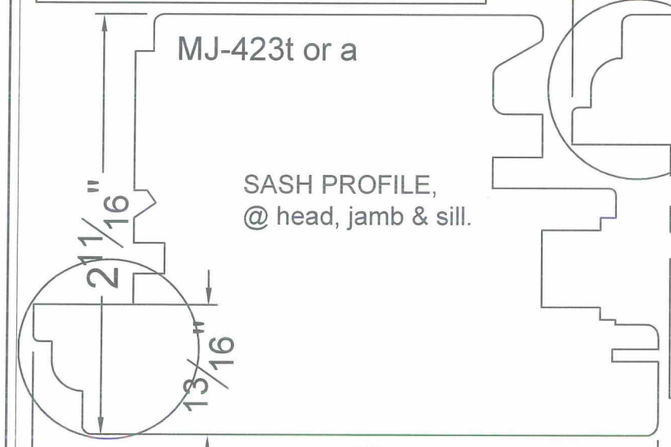
Flat glazing fence: Part number w/ "a" suffix.

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

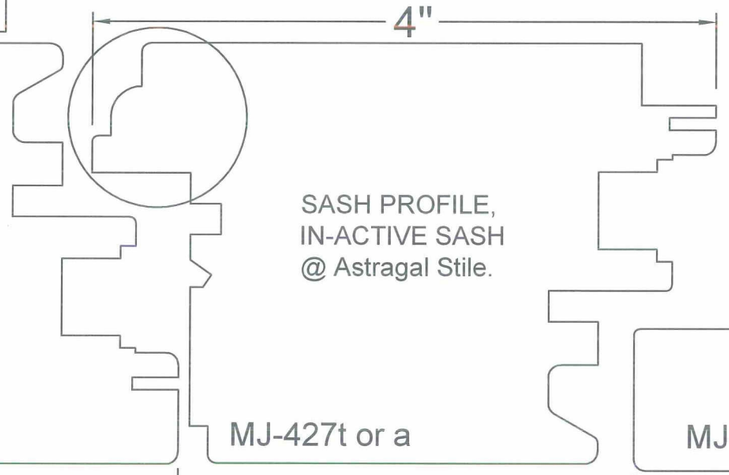




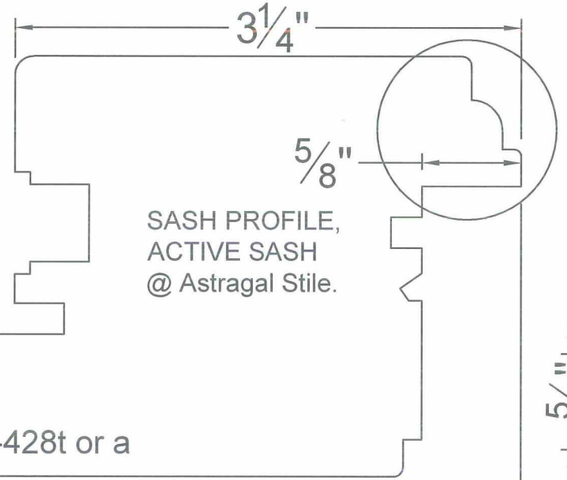
ASTRAGAL MOULDING



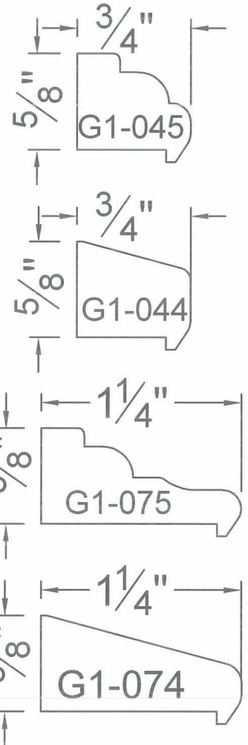
SASH PROFILE, @ head, jamb & sill.



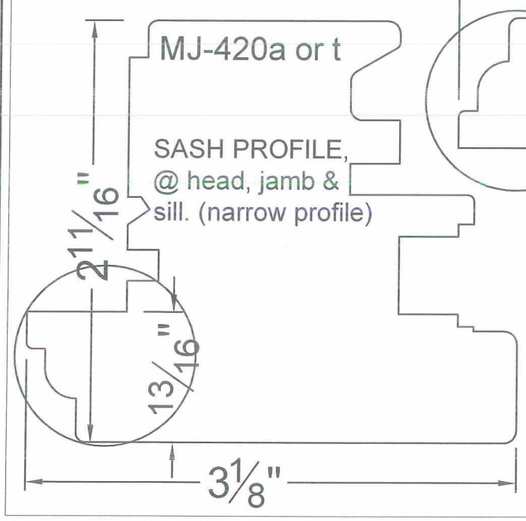
SASH PROFILE, IN-ACTIVE SASH @ Astragal Stile.



SASH PROFILE, ACTIVE SASH @ Astragal Stile.

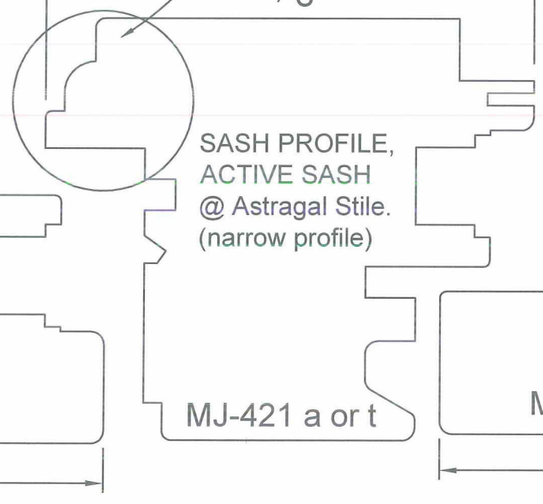


GLAZING BEADS

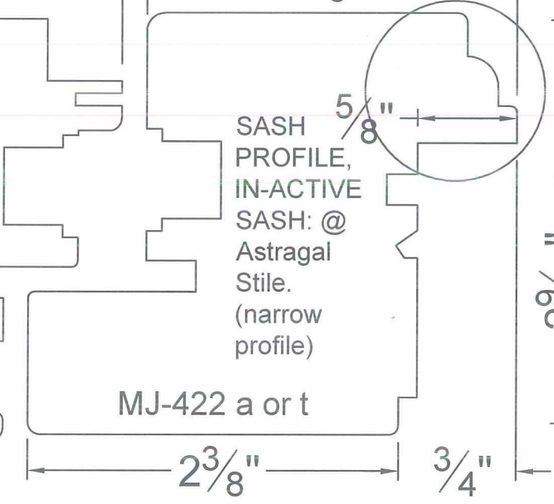


SASH PROFILE, @ head, jamb & sill. (narrow profile)

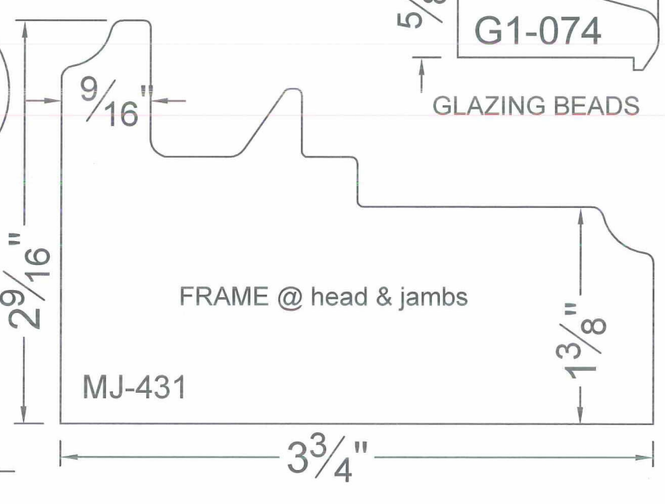
See Alternate glazing fence details on this sheet



SASH PROFILE, ACTIVE SASH @ Astragal Stile. (narrow profile)



SASH PROFILE, IN-ACTIVE SASH: @ Astragal Stile. (narrow profile)



FRAME @ head & jambs

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

WINDOWS OF EUROPE AND THE AMERICAS

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 PE# 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

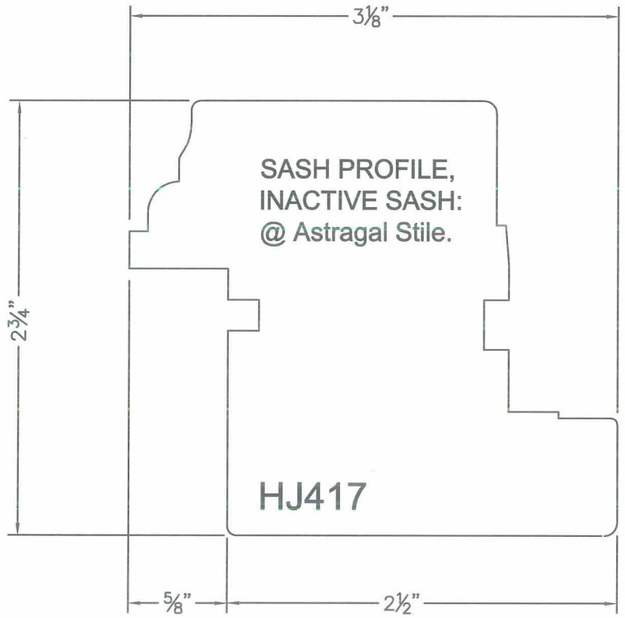
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

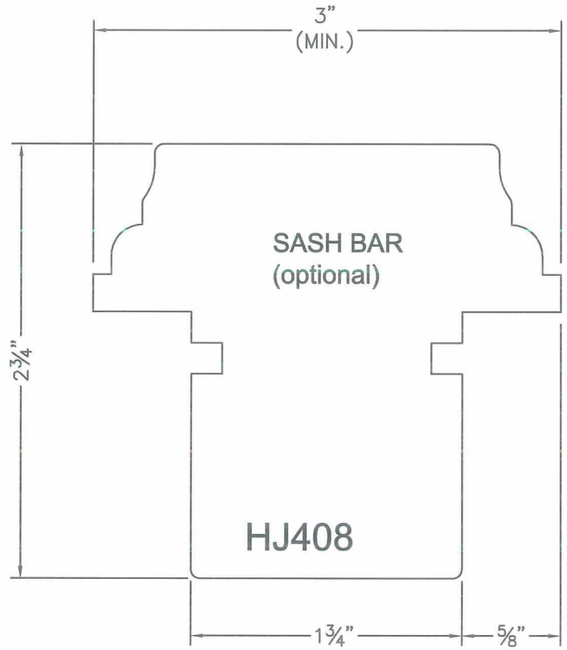
WOOD PROFILES

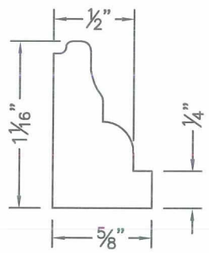
NOTE: All profiles dimensions shown are minimum dimensions.

NOTE: All profiles are Honduran Mahogany, with S.G=0.45 (min) and E=1.4x10^6 psi (min).

NOTE: These profiles apply to elevations on sheet 3 only.



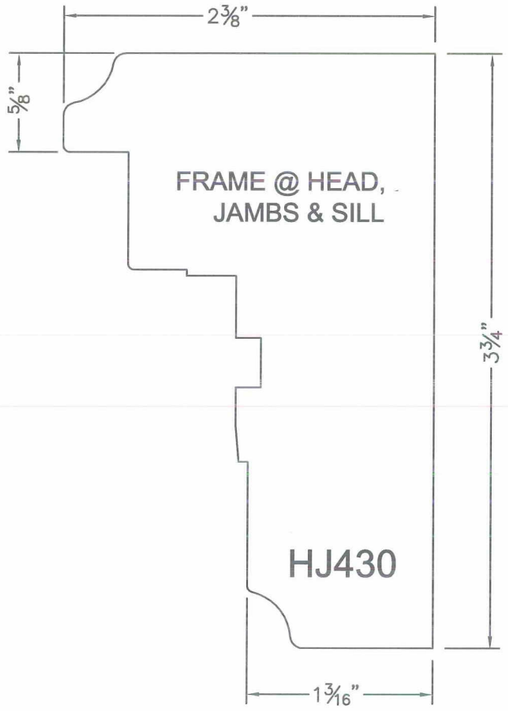


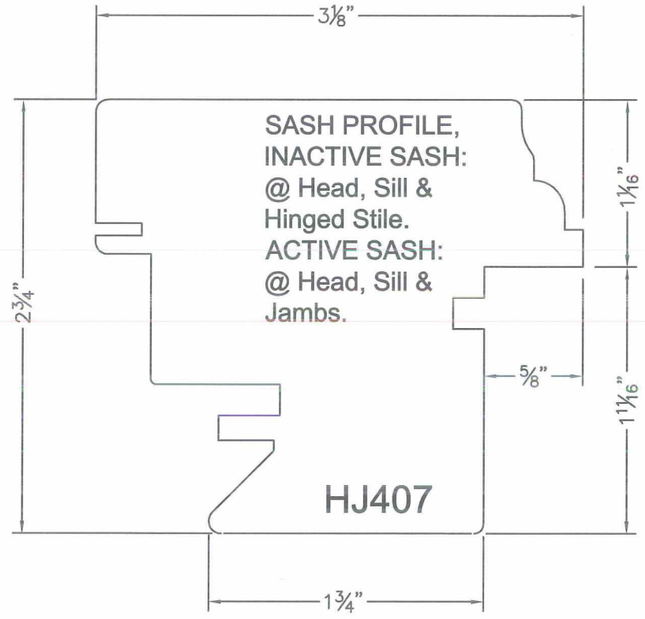


GJ064
GLAZING BEAD



ASTRAGAL MOULDING





mQ WINDOWS OF EUROPE AND THE AMERICAS

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: 11/13

STRUCTURALLY REVIEWED BY:

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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

mQ WINDOWS OF EUROPE AND THE AMERICAS

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: 12/13

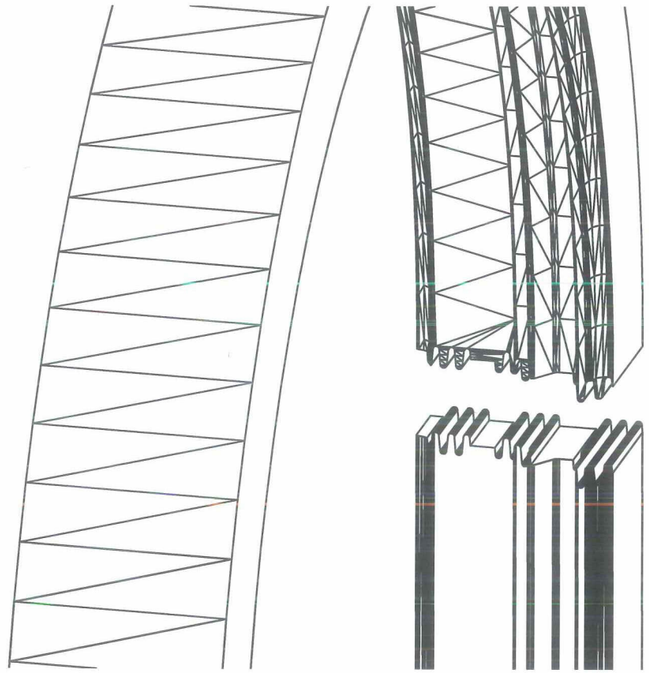
STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

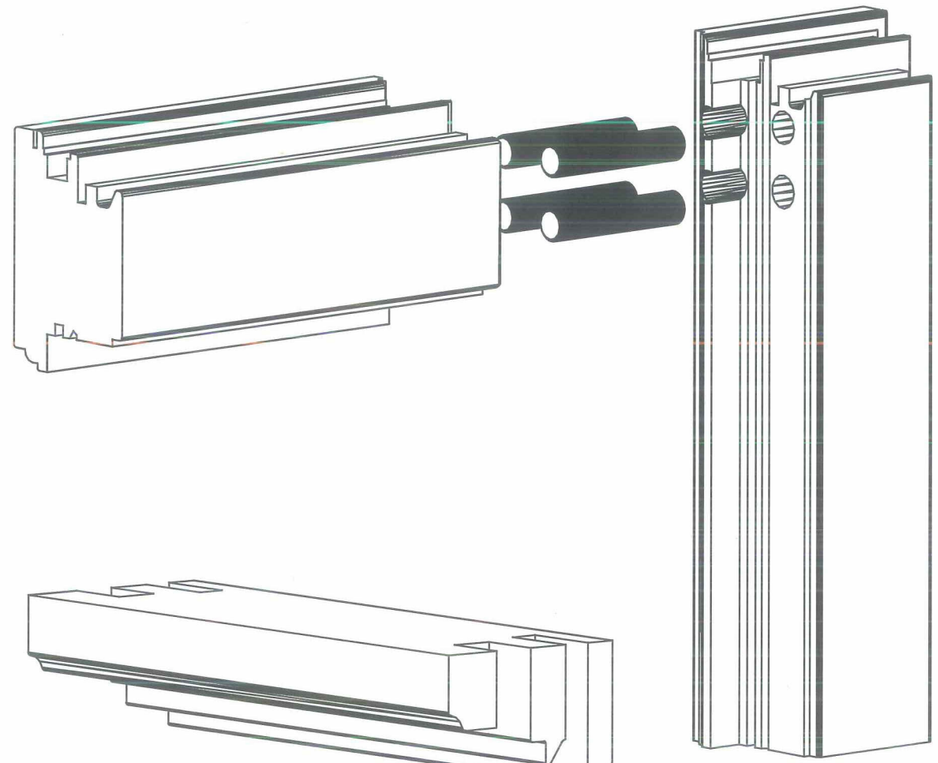
JUN 15 2016

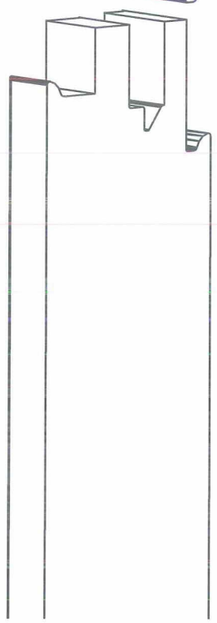
SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER



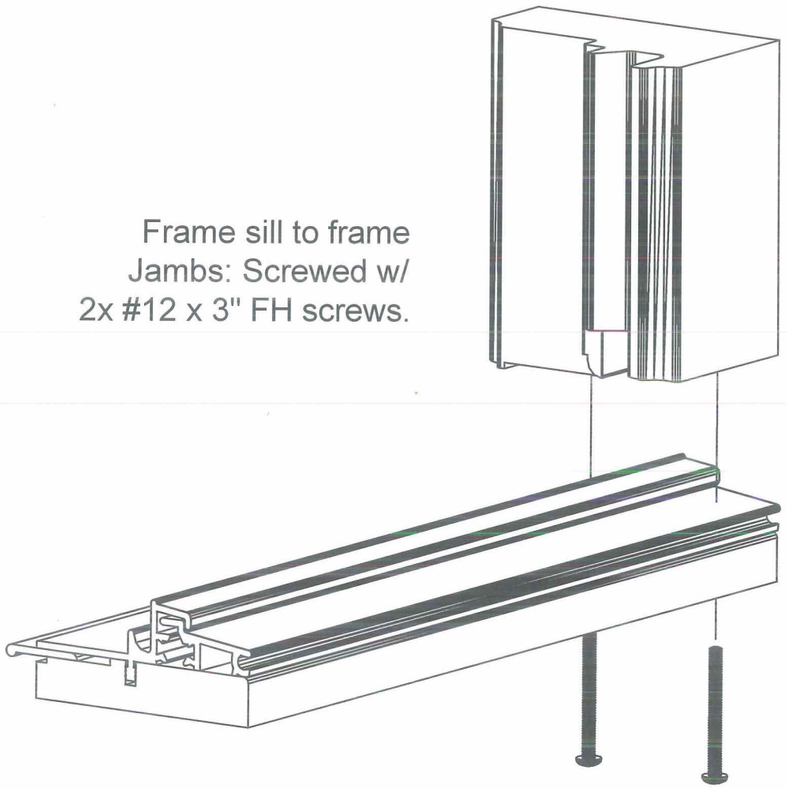
Finger Joints assembly for full arched members; Glue: Rhenocoll 3W-4B type 1 exterior glue for wood.

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.

CORNER ASSEMBLY 3D VIEW DETAILS

WINDOWS OF EUROPE AND THE AMERICAS

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
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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

JUN 15 2016

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER