

WINDOWS, INSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE INSIDE

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

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

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

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.

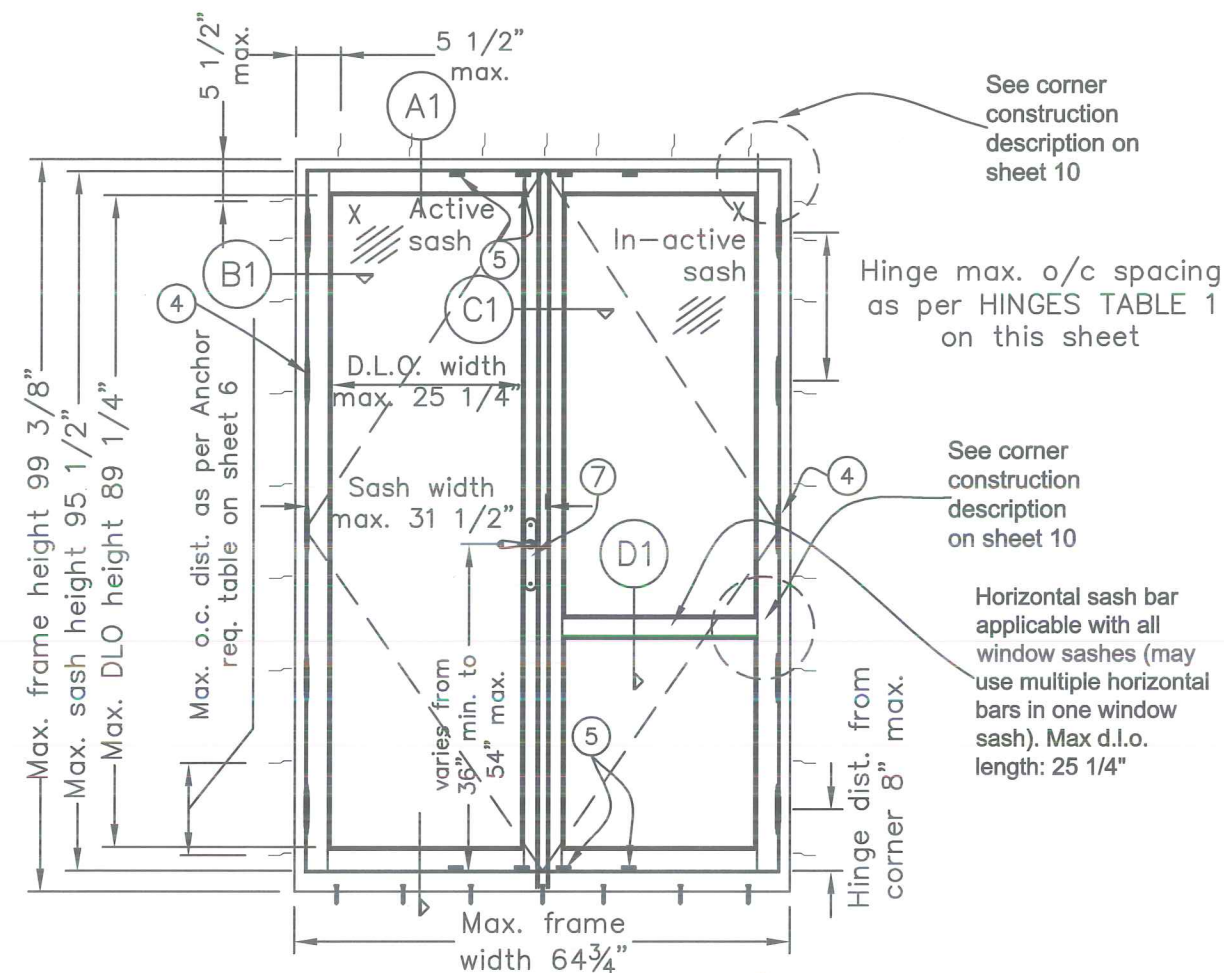
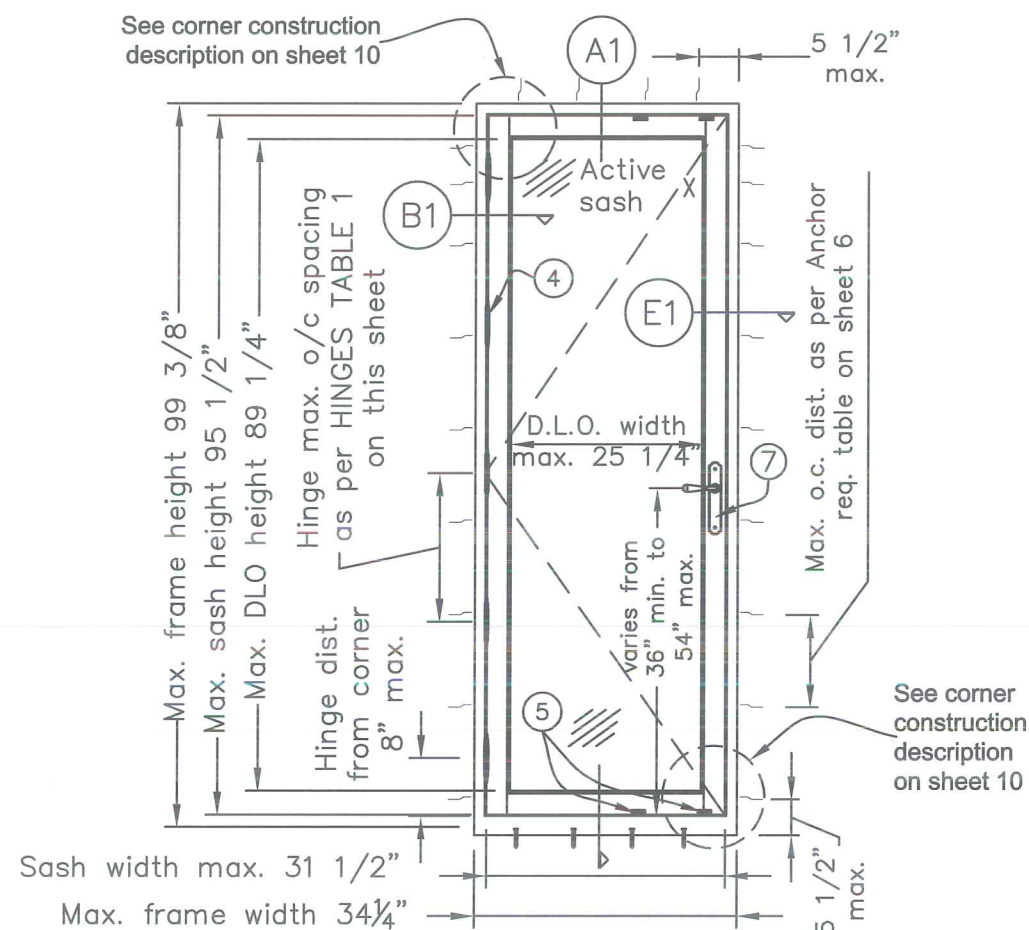
2- THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS201, 202 AND 203. SHUTTERS ARE NOT REQUIRED.

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.

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



JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-IN

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 04/21/06
Date revised: 06/23/15

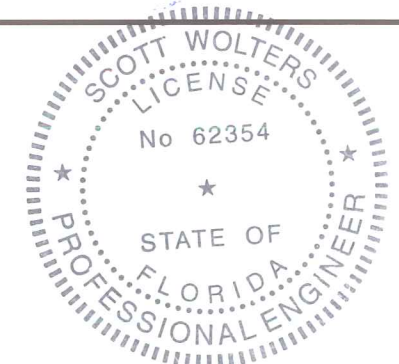
File: JS-3-IN
Page: 1/10

STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

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

APR 12 2016



WINDOWS, INSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE INSIDE

DESIGN PRESSURE
APPLYING TO THIS PAGE

As indicated on elevations

Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

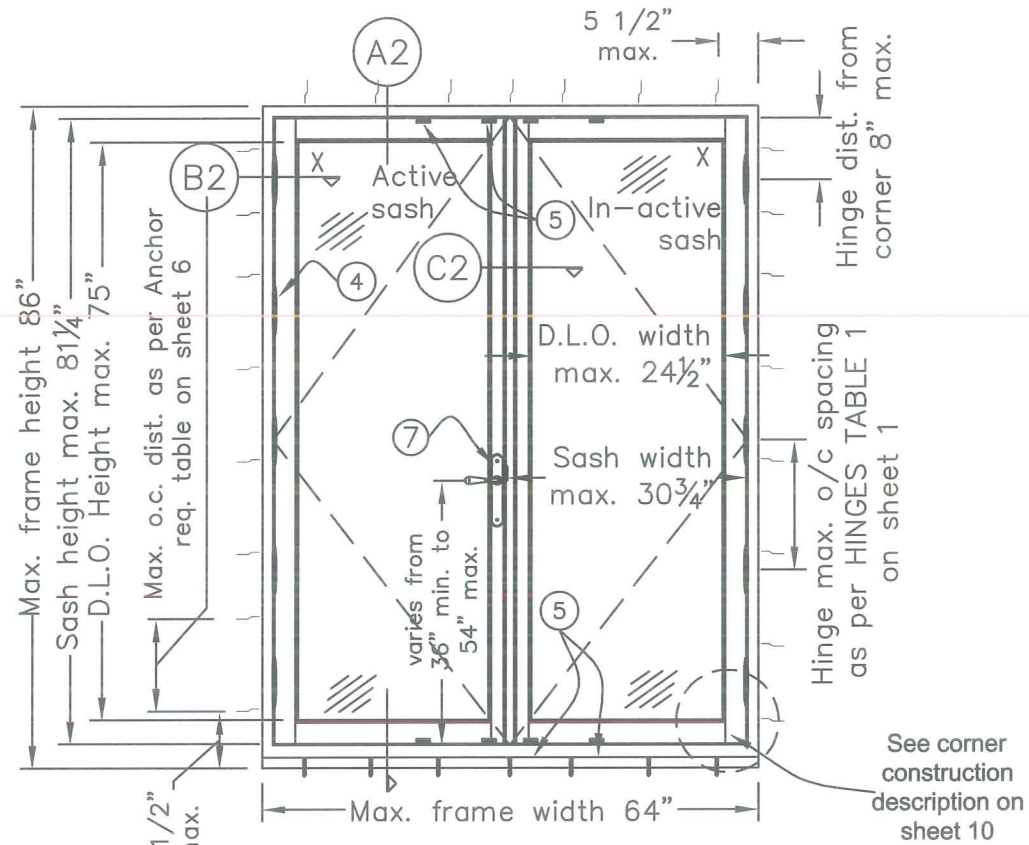
Shutters are not required.

HINGES TABLE 2

SHAPED HEAD WINDOW
MAX. HINGES SPACING

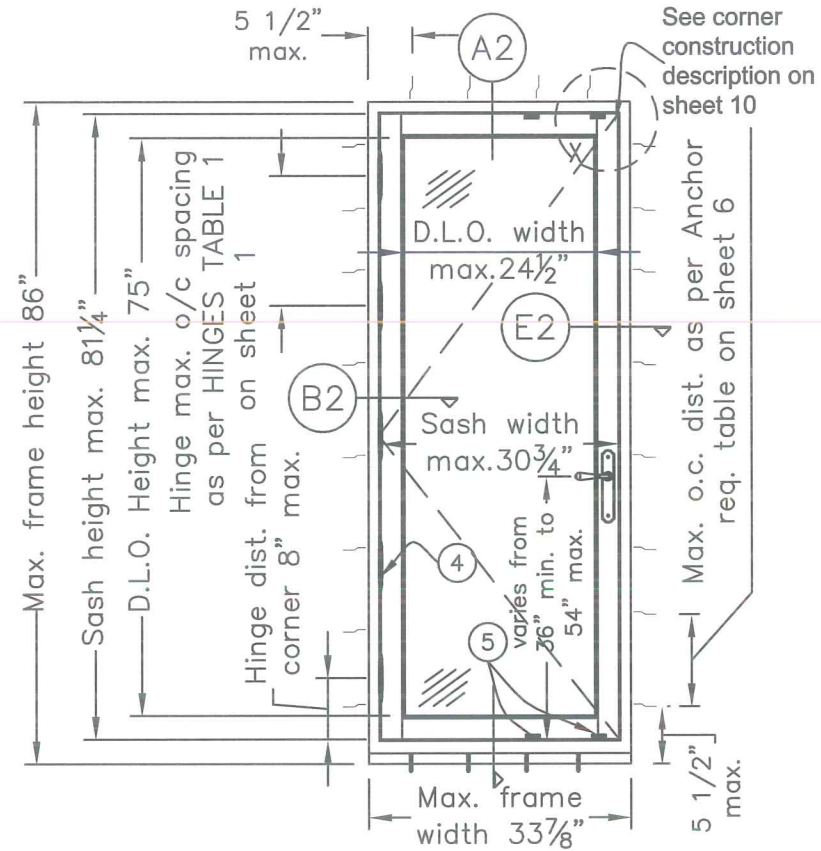
1488-03 steel hinges by
Jardinier Massard secured with
with 8 x #7 x 1" F.H. screws

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



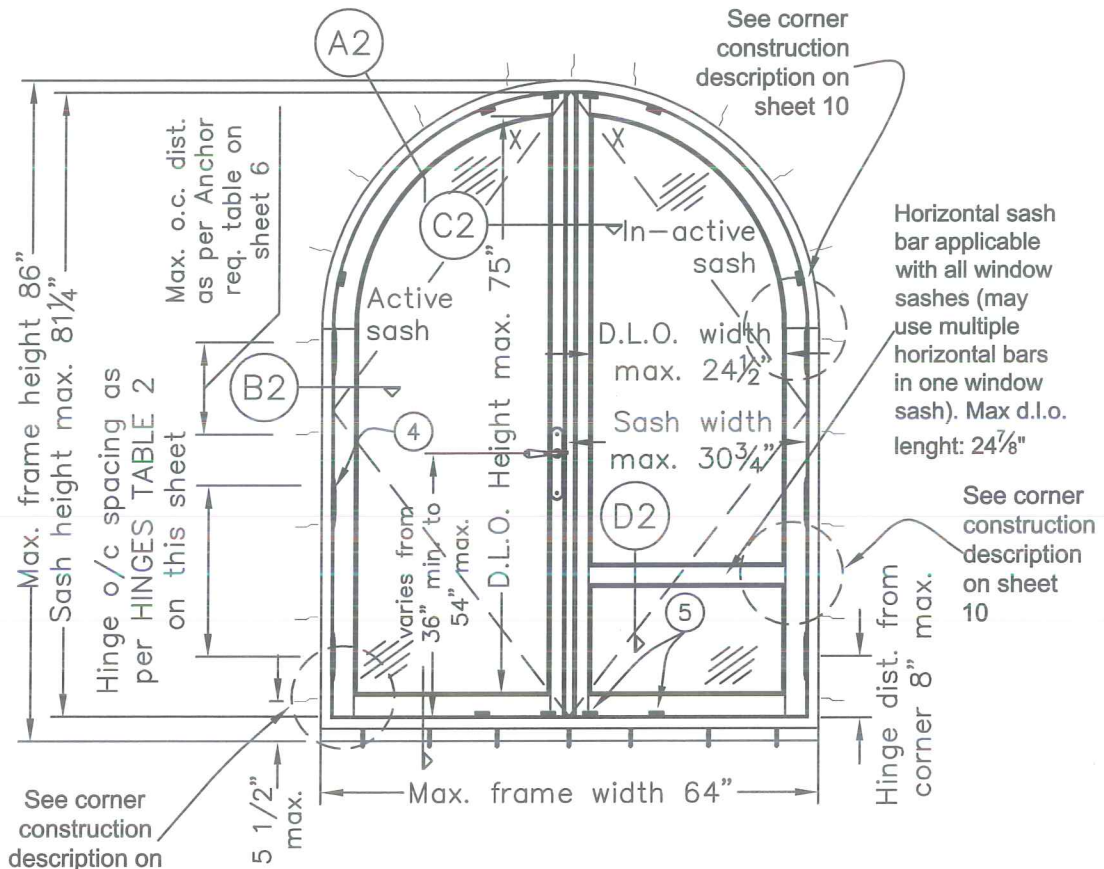
DESIGN PRESSURE RATING

Acting inward: +58.0 psf
Acting outward: -68.0 psf



DESIGN PRESSURE RATING:

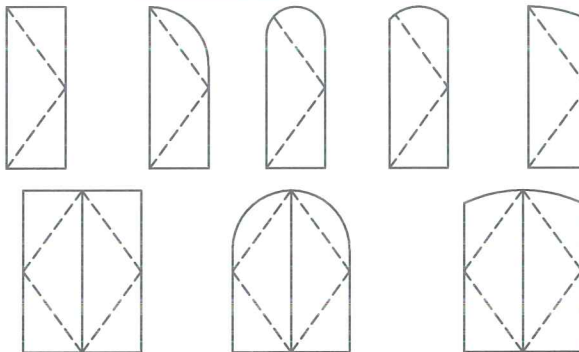
Acting inward: +60.0 psf
Acting outward: -68.0 psf



DESIGN PRESSURE RATING

Acting inward: +60.0 psf
Acting outward: -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 10.
2. All shaped units must fit inscribed into the allowable rectangular units & be governed by the allowable pressure of the respective rectangular unit.
3. Approved shaped heads on this sheet conform to cross section A2 on sheet 4.
4. Keepers qty & location identical to shown arched unit. For single panel full arched unit, keepers at head evenly distributed.

⑧ NOTE: Numbers in circle are referred to the bill of materials on sheet 7.

GLAZING TYPE TABLE

GLASS: SINGLE, LAMINATED

OPTION 1: 15/32" (O.T.) Made of 3/16"(AN) - 0.090"
PVB interlayer* - 3/16"(HS)

OPTION 2: 15/32" (O.T.) Made of 3/16"(HS) - 0.090"
PVB interlayer* - 3/16"(HS)

GLASS: DOUBLE, INSULATED

OPTION 1: 1" (O.T.) Made of: 3/16" (AN) - 0.090" PV interlayer* - 3/16" (HS) - 0.377" air space - 5/32" (AN)

OPTION 2: 1" (O.T.) Made of: 3/16" (HS) - 0.090" PV
interlayer* - 3/16" (HS) - 0.377" air space - 5/32" (AN)

RAISED WOOD PANEL:

Max. DLO area:
Solid mahogany wood: Max. 7.81 sqf

NOTE:

-See Glazing Details on sheet 7

*Saflex IIIG Is manufactured by Eastman Chemical,
Per NOA# 15-1201.11



JS SERIE
IN SWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-IN

Scale: NONE	Drawn by: S. Marcotte
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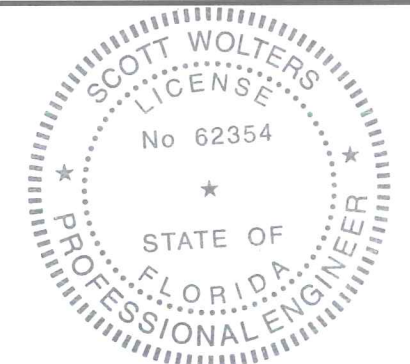
Date drawn: 04/21/06	Date revised: 01/17/11
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File: JS-3-IN	Page: 2/10
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WEST PALM BEACH, FL 33412
APR 12 2016



A1 HEAD & SILL
(@ head)

Use wood or plastic
shims behind as required

See ANCHORING
DETAILS on sheets 5&6.

CROSS SECTION VIEWS

C1 ASTRAGAL
(@ Meeting Stile)

18 gauge x 5/8" finishing
nails @ 16" o/c.

B1 JAMB
(@ Hinge Stile)

MAX 3/8"
SHIM SPACE

D.L.O.
WIDTH

D.L.O.
WIDTH

EXTERIOR

EXTERIOR

MAX 3/8"
SHIM SPACE

HJ430

3/16"

EXTERIOR

HJ401

5

3a

HJ411

5

3a

HJ401

HJ401

5

3a

3/16"

SASH WIDTH

Use wood or plastic shims
behind as required

OVERALL WIDTH & FRAME WIDTH

See glazing
details &
options on
sheet 7

See glazing
details &
options on
sheet 7

2x #12 x 3" flat head
wood screw at each end.
Min. embedment is 1 1/2"

HJ408

7/8"

EXTERIOR

See glazing
details &
options on
sheet 7

OVERALL WIDTH & FRAME WIDTH

EXTERIOR

HJ430

2

5

3a

HJ401

3/16"

MAX 3/8"
SHIM SPACE

Use wood or plastic shims
behind as required

See ANCHORING
DETAILS on sheets 5&6

See ANCHORING
DETAILS on sheets 5&6.



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

JS SERIE
INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-IN

Scale: NONE
Drawn by: S. Marcotte

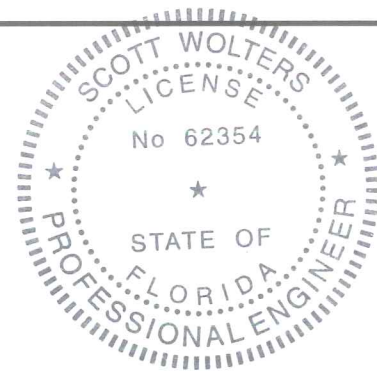
Date drawn: 04/21/06
Date revised: 05/08/06

File: JS-3-IN
Page: 3/10

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OVERALL HEIGHT & FRAME HEIGHT

D.L.O.
HEIGHT

SASH HEIGHT

HJ401

5

3a

ZT130

16

MAX SHIM
SPACE 3/8"

HJ435

Use wood or plastic shims
behind as required

A1 HEAD & SILL
(@ Sill)

See ANCHORING
DETAILS on sheets 5&6.

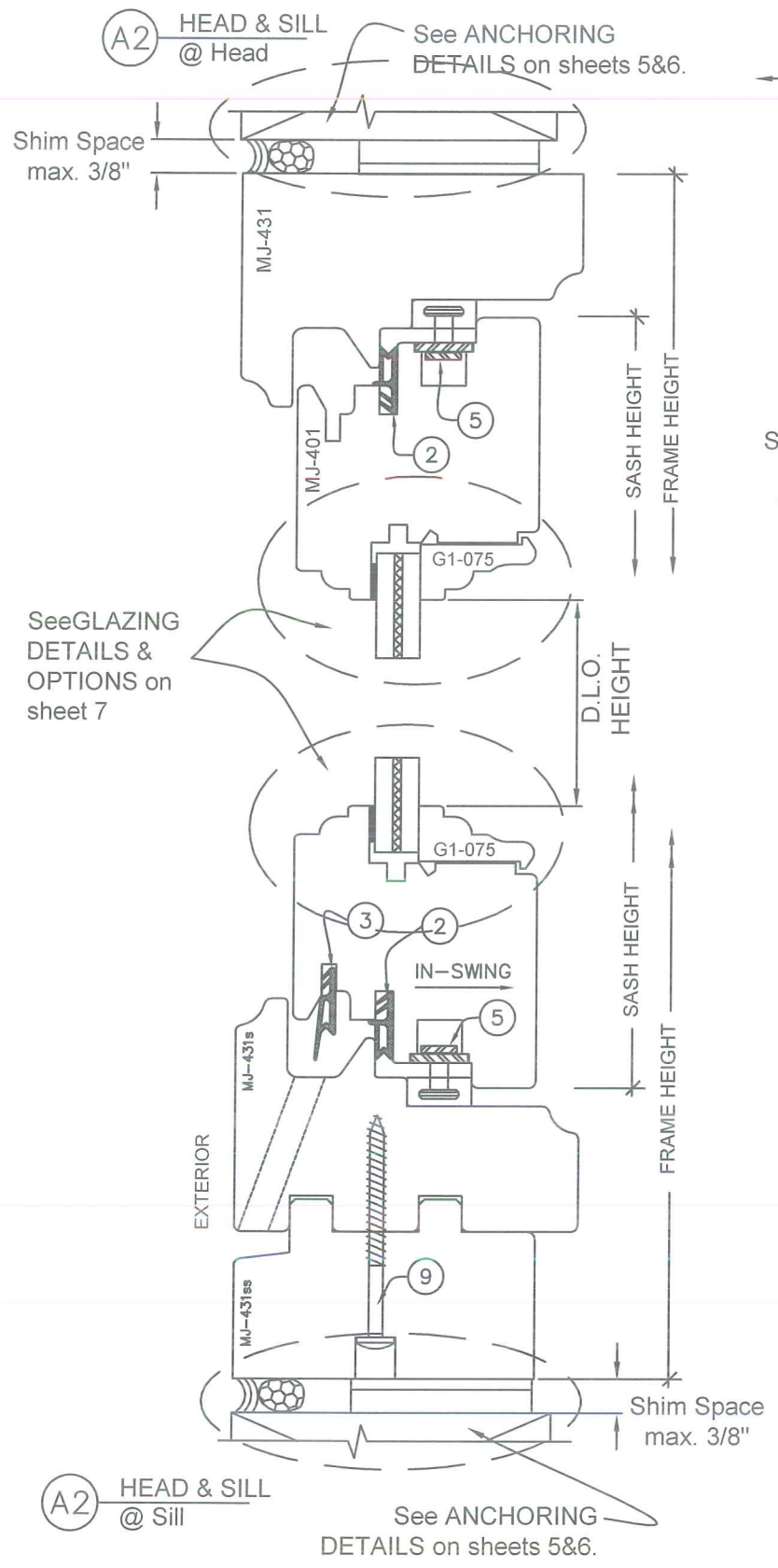
NOTES:

Clear silicone
sealant at shown
interfaces

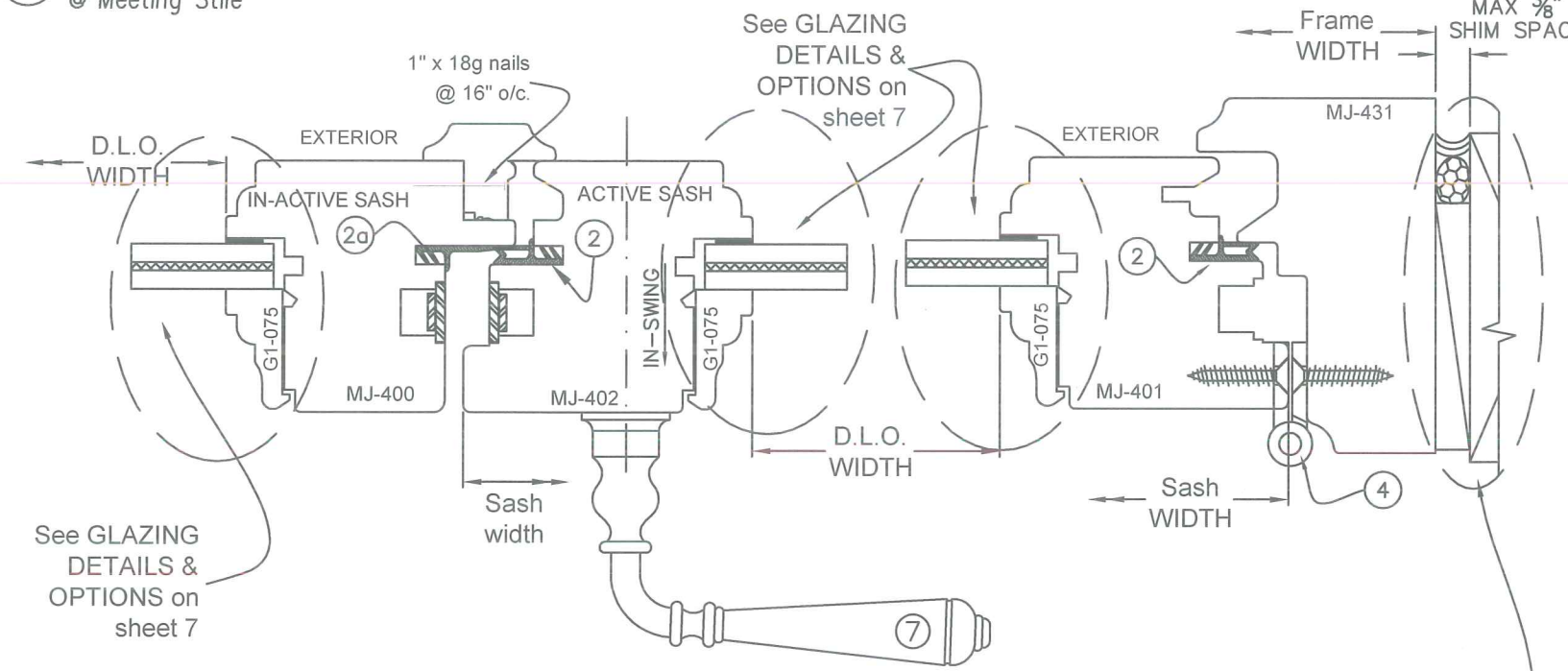
Backing rod and
sealant as required

Numbers are referring to
bill of materials (sheet 7)

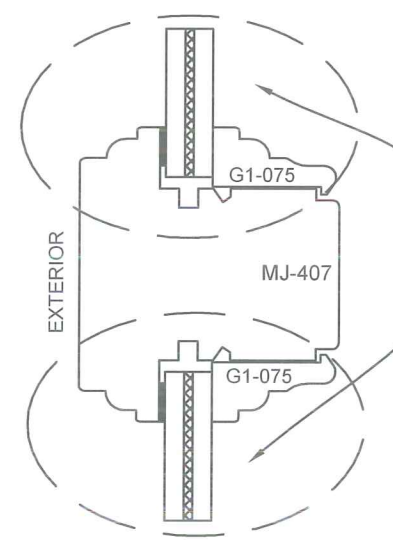
CROSS SECTION VIEWS



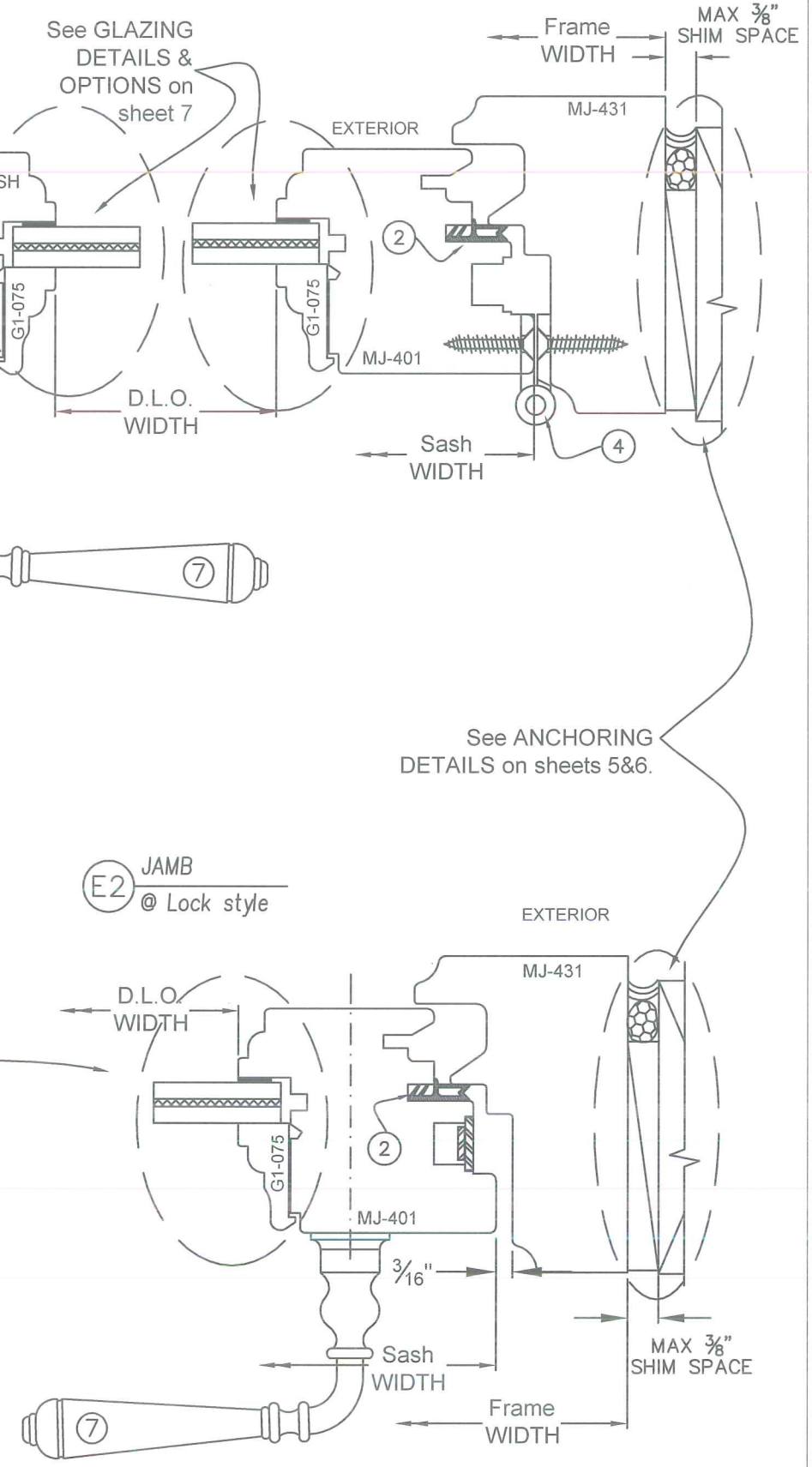
C2 ASTRAGAL @ Meeting Stile



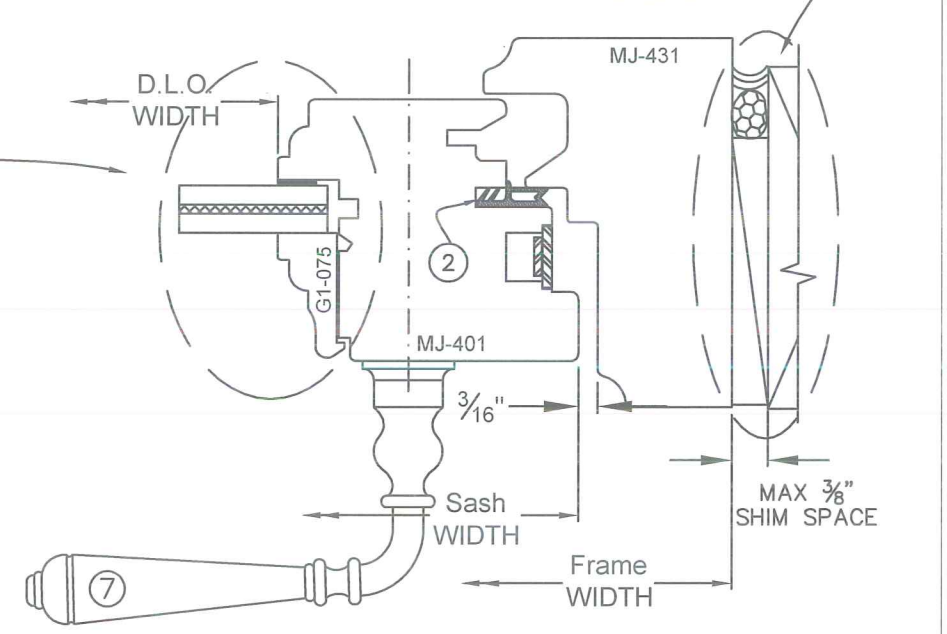
D2 SASH BAR (optional)



B2 JAMB @ Hinge stile



E2 JAMB @ Lock stile



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

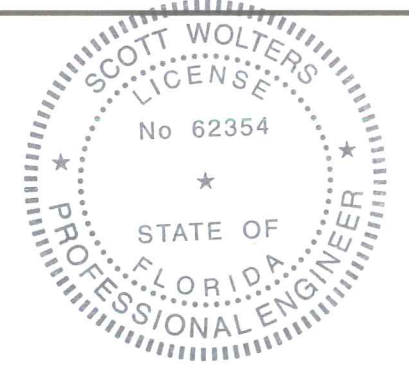
JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.:	JS-3-IN
Scale:	NONE
Drawn by:	S. Marcotte
Date drawn:	04/21/06
Date revised:	05/08/06
File:	JS-3-IN
Page:	4/10

STRUCTURALLY REVIEWED BY:

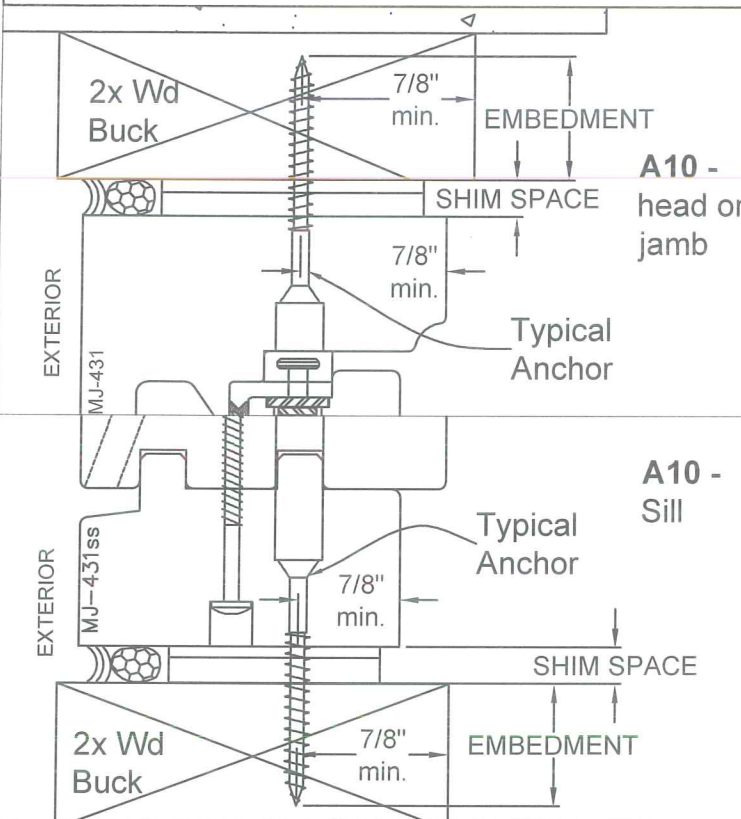
Scott Wolters
SCOTT WOLTERS
FL PE# 62354

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APR 12 2016

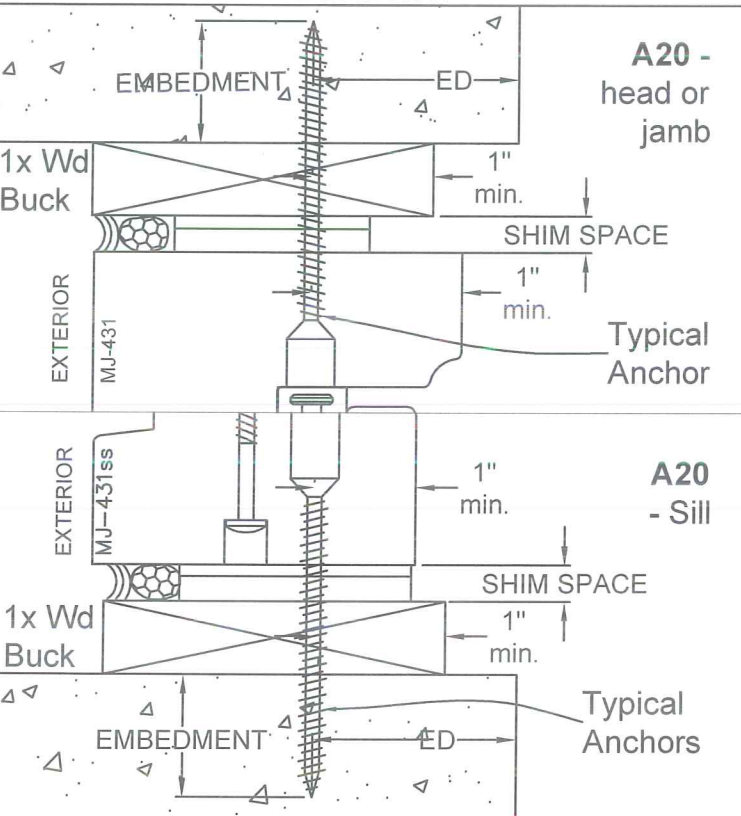


ANCHORING DETAILS VIEWS

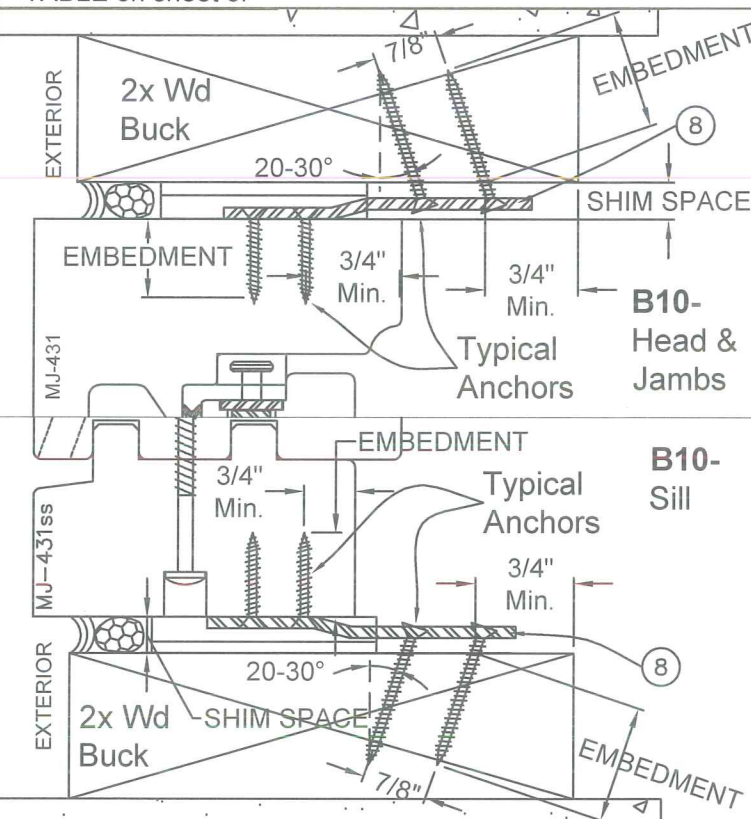
A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



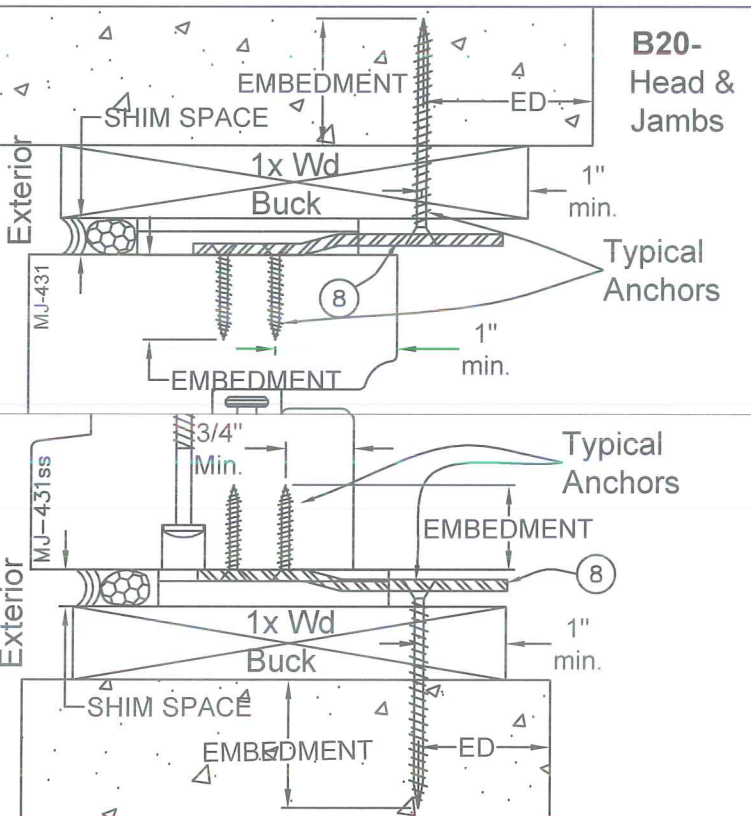
A20 - Typical direct anchor through 1x wood buck into concrete using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



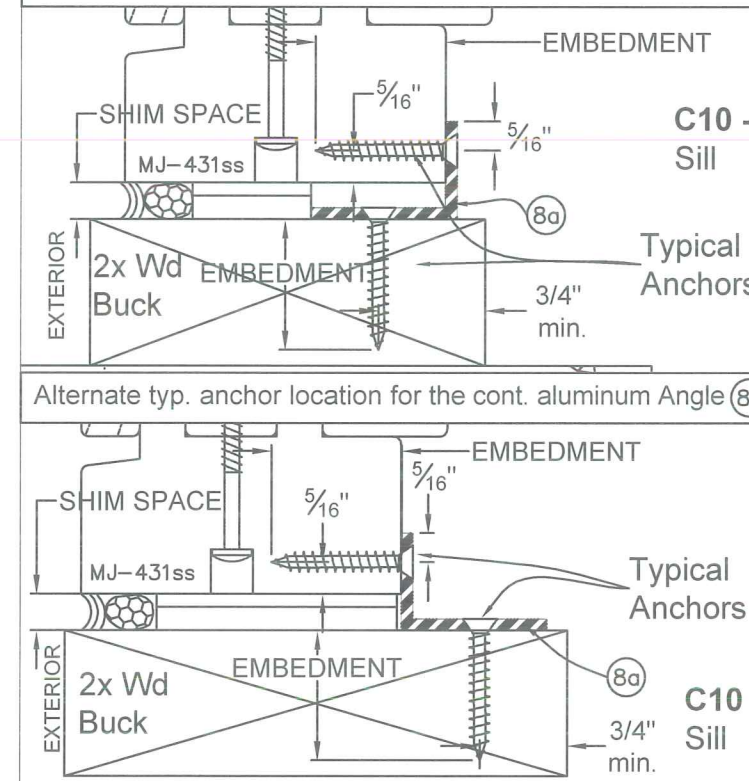
B10 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 6.



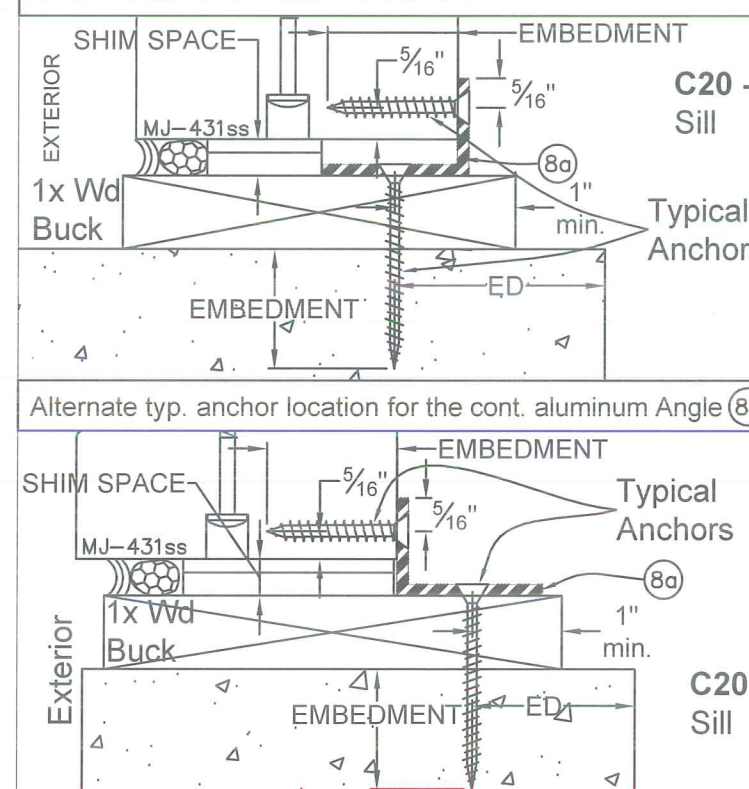
B20 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete as per ANCHOR REQUIREMENTS TABLE on sheet 6.



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



C20 - Typical anchor w/ Continuous Aluminum Angle (8a) using Tapcon screws through 1x wood buck into concrete and wood screw into window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: 04/21/06

Scale: NONE Drawn by: S. Marcotte

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

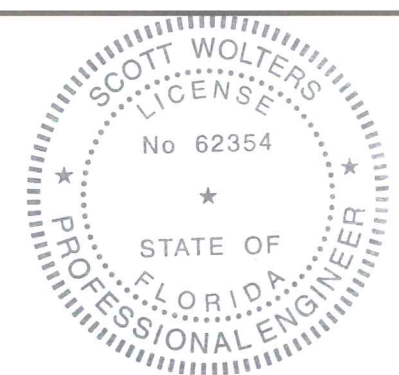
File: JS-3-IN Page: 5/10

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15211 97TH ROAD N
WEST PALM BEACH, FL 33412

APR 12 2016



ANCHOR REQUIREMENTS TABLE

NOTES:
-All shim spaces between window frame and wood buck max. 3/8" @ head, jambs and sill. Use std wood or plastic shims.
-Jambs anchoring identical to head anchoring shown.
-Wood bucks (by others) and openings must be designed by the professional of record to properly transfer wind loads to the main structure.
-Installation brackets (8) and aluminum angles (8a) may be positioned at the interior or exterior side of the window.
-Dissimilar materials that come into contact shall be protected to prevent reactions in accordance with FBC chapters 20 and 23.
(()) Backing rod and sealant as required
(#) Numbers in circle are referring to bill of materials (sheet 7).

Anchoring method	Sub- strate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing		Min. dist. from wood buck edge	Min. dist. from substr. edge (ED)	Min. dist. from unit frame edge	Min. embedment	
				From corner	On center				Into buck/ concrete/stud	Into unit frame
Direct anchor (shear screws)	2x_ wood buck	A10 4 sides	Through the unit frame into the buck frame: (1) #14 x 2 3/4" wood screw.	5 1/2"	4 1/2"	7/8"	-----	7/8"	1 1/4"	-----
	1x_ wood buck	A20 4 sides	Through the buck frame into the masonry: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw.	5 1/2"	5 1/2"	1 "	2 1/2"	1 "	1 1/4"	-----
		A30 4 sides	Through the buck frame into the metal stud (18 ga, 45 ksi min): (1) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw.	5 1/2"	5 1/2"	1 "	1 "	1 "	Full*	-----
PDF-FS- 05/D Installation bracket	2x_ wood buck	B10 4 sides	To the buck frame: (2) #12 X 1 1/2" all threaded (a.T.) wood screws. Into the unit frame: (2) # 10 x 1" a.T. wood screws.	5 1/2"	11"	3/4"	-----	3/4"	1 1/4"	7/8"
	1x_ wood buck	B20 4 sides	Through the buck frame into the masonry: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5 1/2"	10 1/2"	1 "	2 1/2"	3/4"	1 1/4"	7/8"
		B30 4 sides	Through the buck frame into the metal stud (18 ga, 45 ksi min): (1) 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	5 1/2"	10 1/2"	1 "	1 "	3/4"	Full*	7/8"
Continuous aluminum angle (At sill only)	2x_ wood buck	C10 sill	To the window sill and to the buck frame with (1) #12 x1 1/2" a. T. wood screw.	5 1/2"	9"	3/4"	-----	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"	1 "	2 1/2"	3/4"	1 1/4"	1 1/4"
		C30 sill	Through the buck frame into the metal stud (18 ga, 45 ksi min): 1/4" x 2 3/4" Elco Drill-flex or ITW Teks screw. Into the unit sill: (1) #12 x1 1/2".	5 1/2"	10"	1 "	1 "	3/4"	Full*	1 1/4"

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

JS SERIE
INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

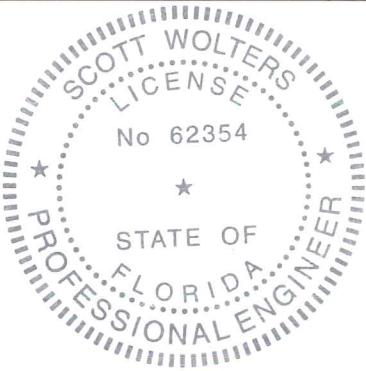
Drawing no.: JS-3-IN

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 04/21/06	Date revised: 05/08/06
File: JS-3-IN	Page: 6/10

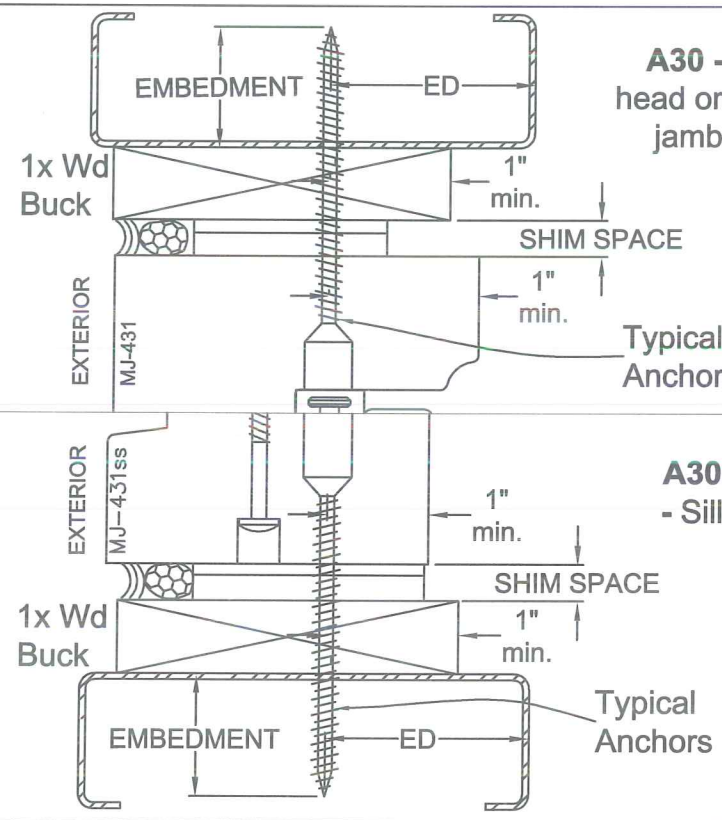
STRUCTURALLY REVIEWED BY:


SCOTT WOLTERS
FL PE# 62354

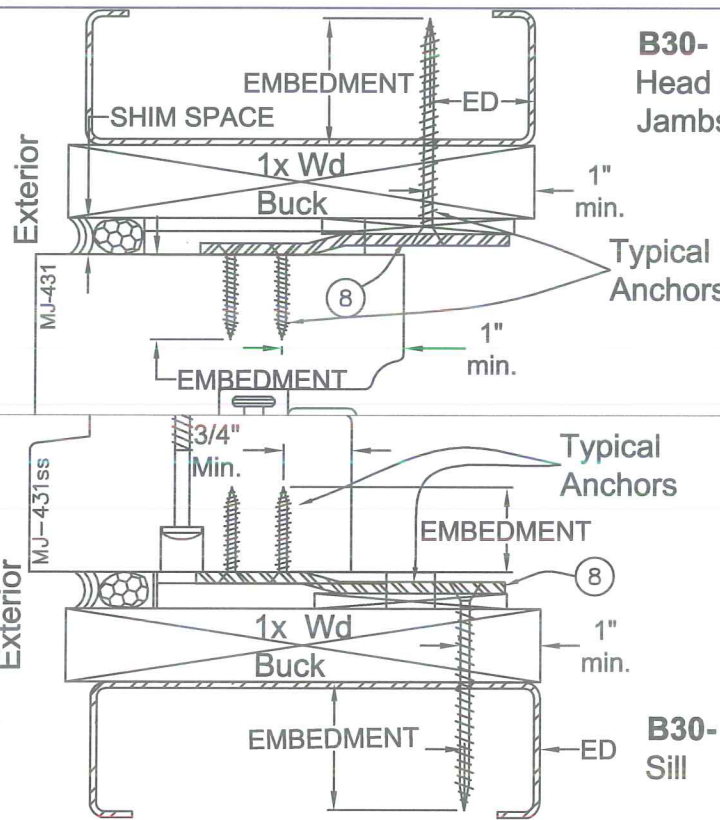
WOLTERS ENGINEERING, INC.
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15211 97TH ROAD N
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APR 12 2016



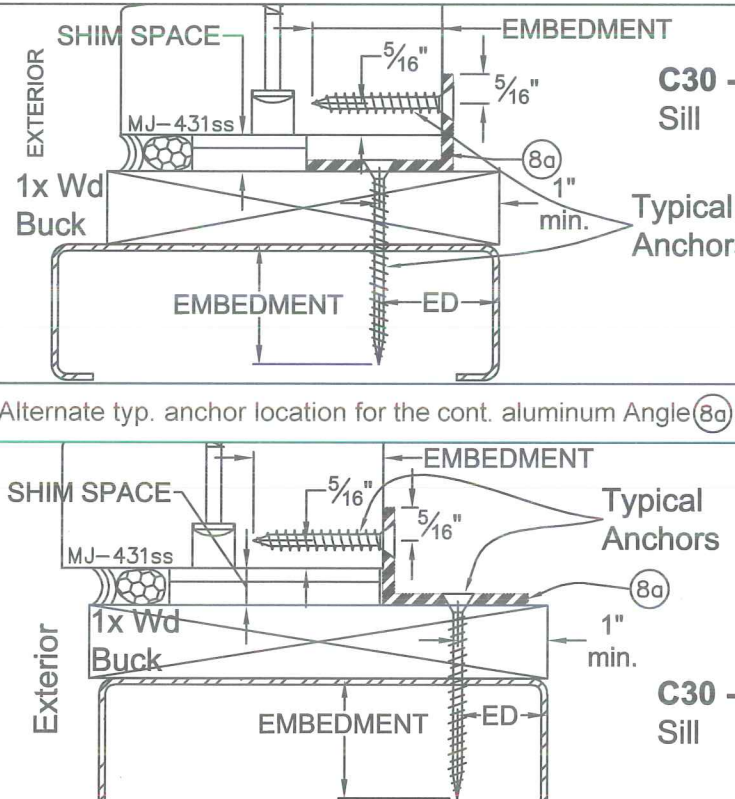
A30 - Typical direct anchor through 1x wood buck into metal stud using Teks-type screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on this sheet.



B30 - Typical anchor w/ Installation Bracket (8) using Teks-type screws through 1x wood buck into metal stud as per ANCHOR REQUIREMENTS TABLE on this sheet.

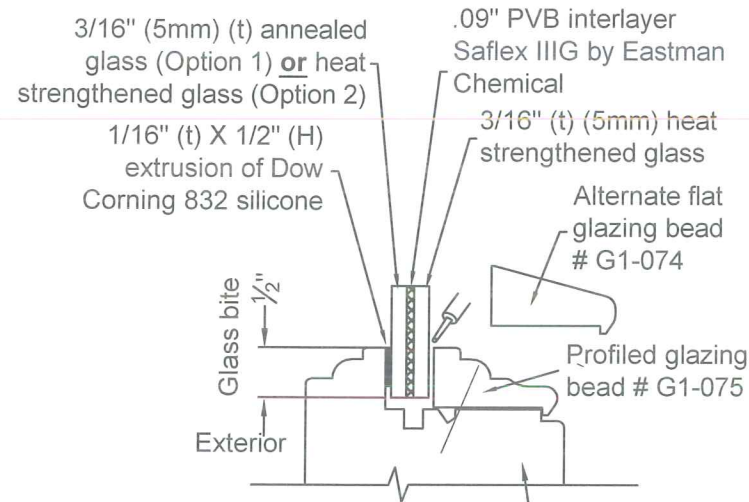


C30 - Typical anchor w/ Continuous Aluminum Angle (8a) using Teks-type screws through 1x wood buck into metal stud and wood screw into window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on this sheet.



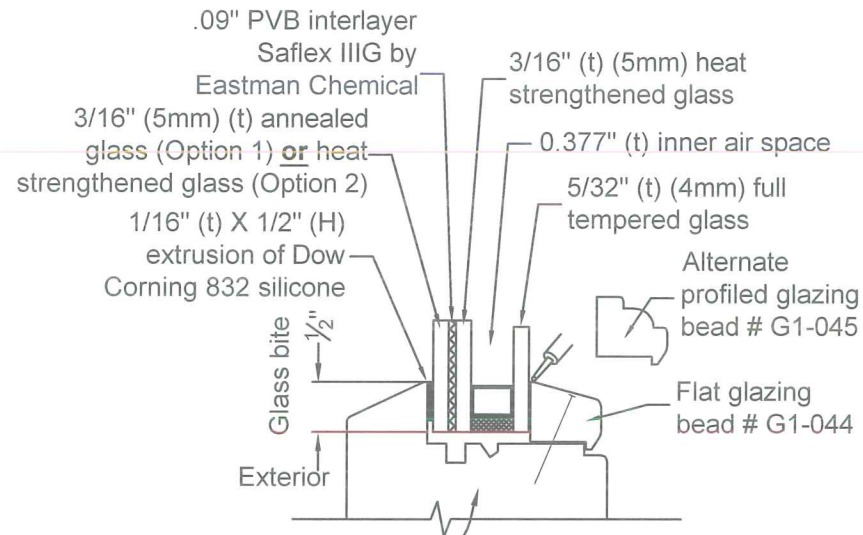
GLAZING DETAILS

Typ. glazing w/ monolithic laminated glass

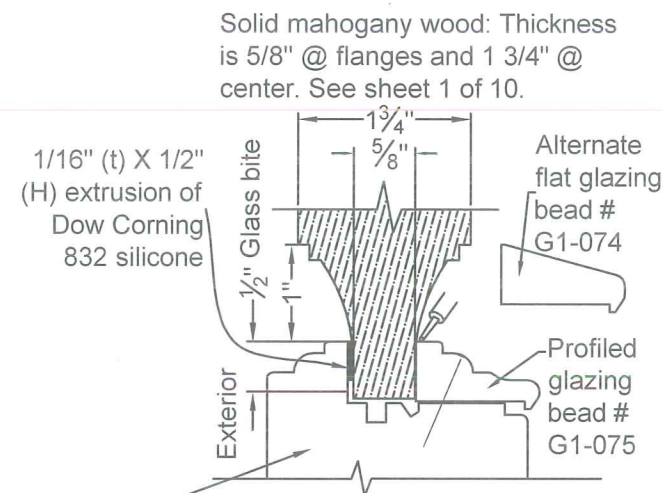


MJ-400/01/02/07 with a or t suffix,
HJ-401/08/11

Typ. glazing w/ double insulated glass



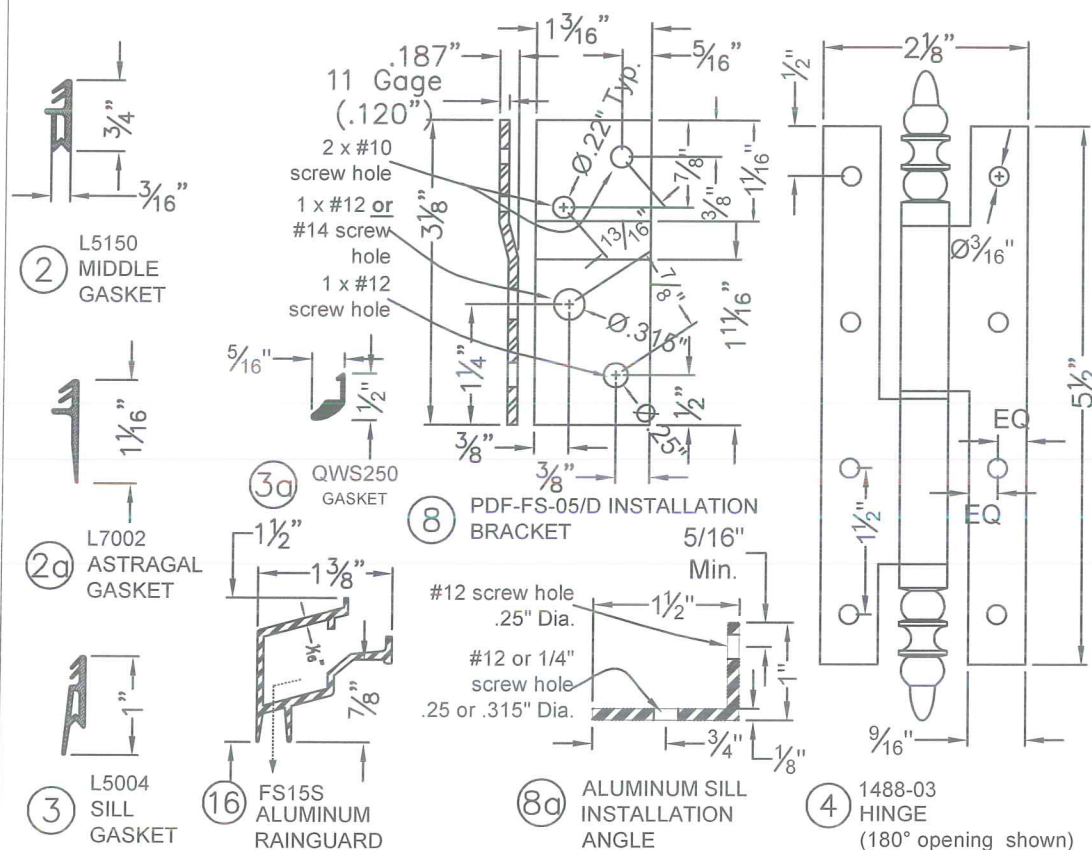
Typ. glazing w/ raised wood panel



NOTE: max. 7.8 sqf

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

ACCESSORIES



BILL OF MATERIALS

(see also related cross sections details)

Ref.	ITEM DESCRIPTION	MANUFACTURER / NOTES
②	Brüglman L5150, Push-in EPDM middle gasket	Push-in gasket, in a continuous groove around the sash.
2a	Brüglman 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	Brüglman L5004, Push-in EPDM sill gasket	Push-in gasket, in a continuous groove at sash sill.
3a	Schlegel QWS250 Polyurethane foam gasket.	Push-in gasket, in a cont. groove around the sash.
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 6-26076 steel lever. Ferco 6-25485 steel mechanism 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 on sheets 4
8a	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS on sheets 5
⑨	Subsill to sill wood pan head assembly screw.	(1) #12 x 2 1/2" @ 5 1/2" from ends & 12" o/c.
16	Rainguard FS15S profile w/ weep holes @ 4 3/4" o/c. Aluminum alloy 6063-T5.	Screwed to wood sill w/ #8 x 3/4" round head wood screws @ 9 1/4" o/c. Butt joints against the frame jambs @ both ends.

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

JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-IN

Scale: NONE
Drawn by: S. Marcotte

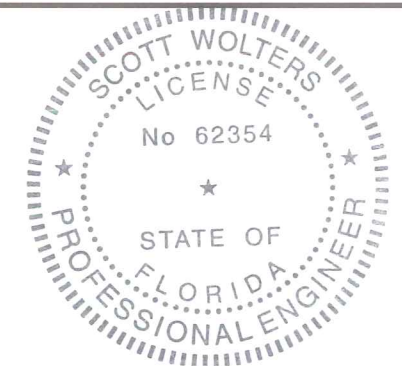
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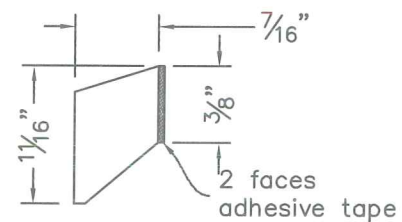
Scott Walters
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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
APR 12 2016

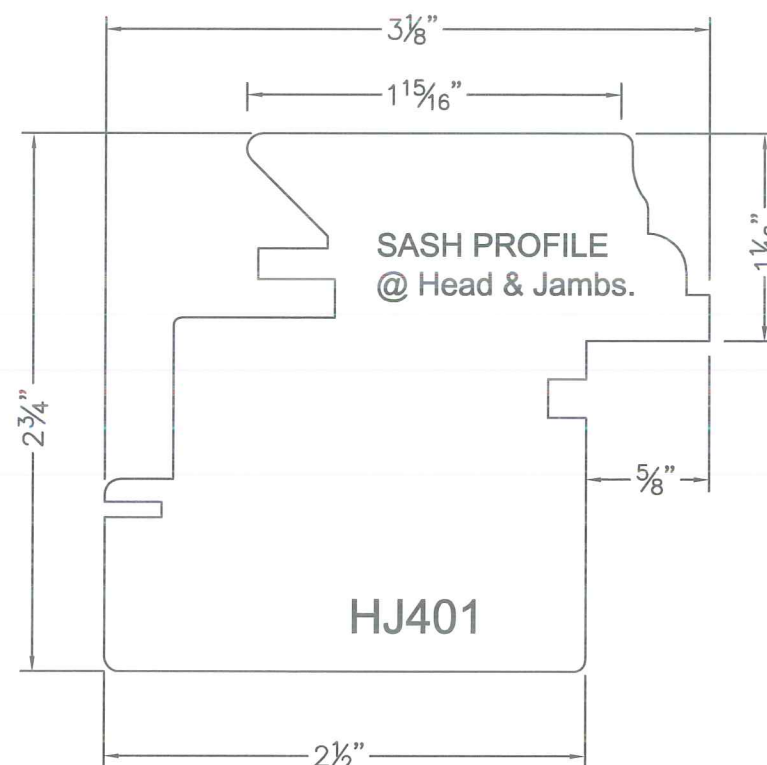
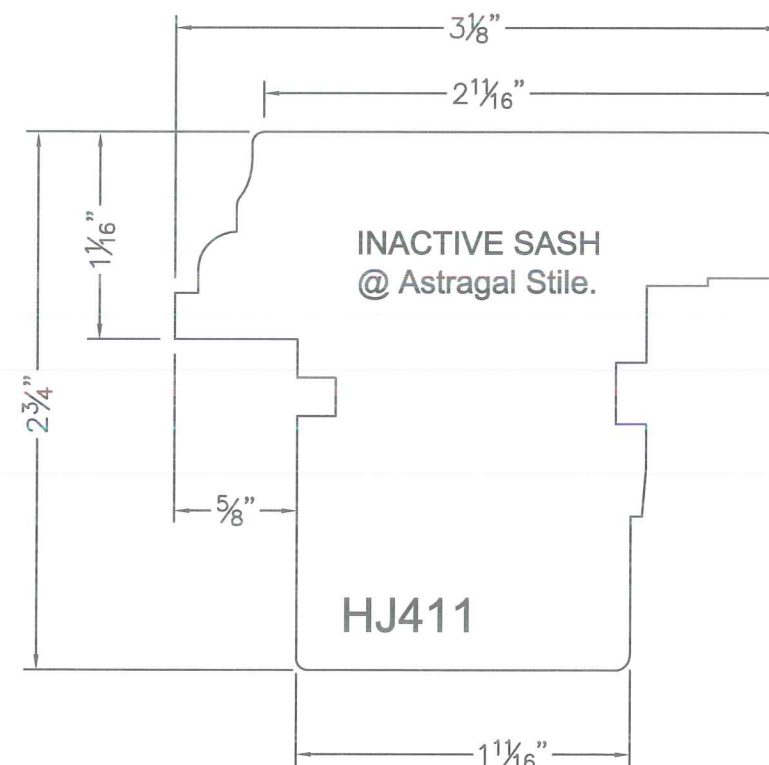
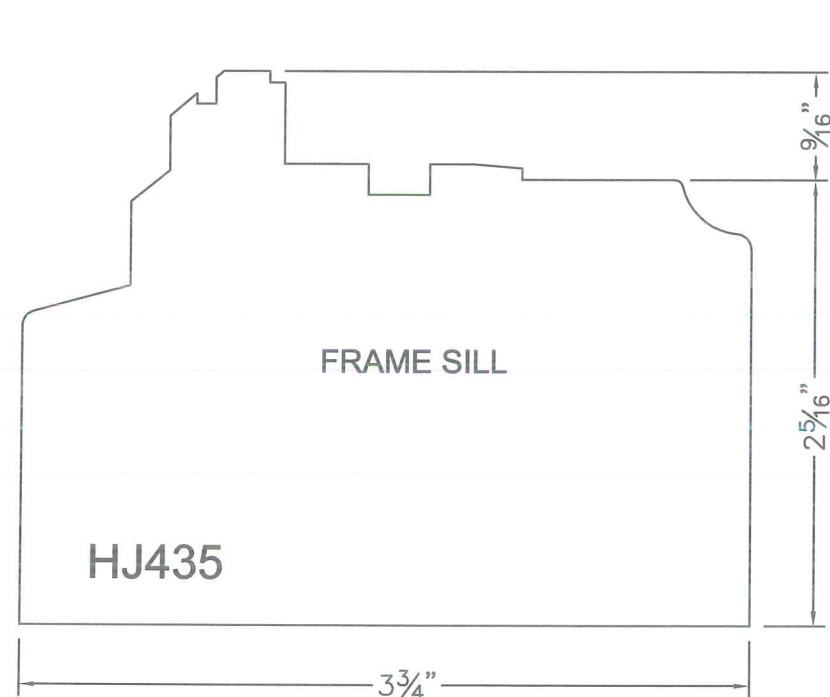
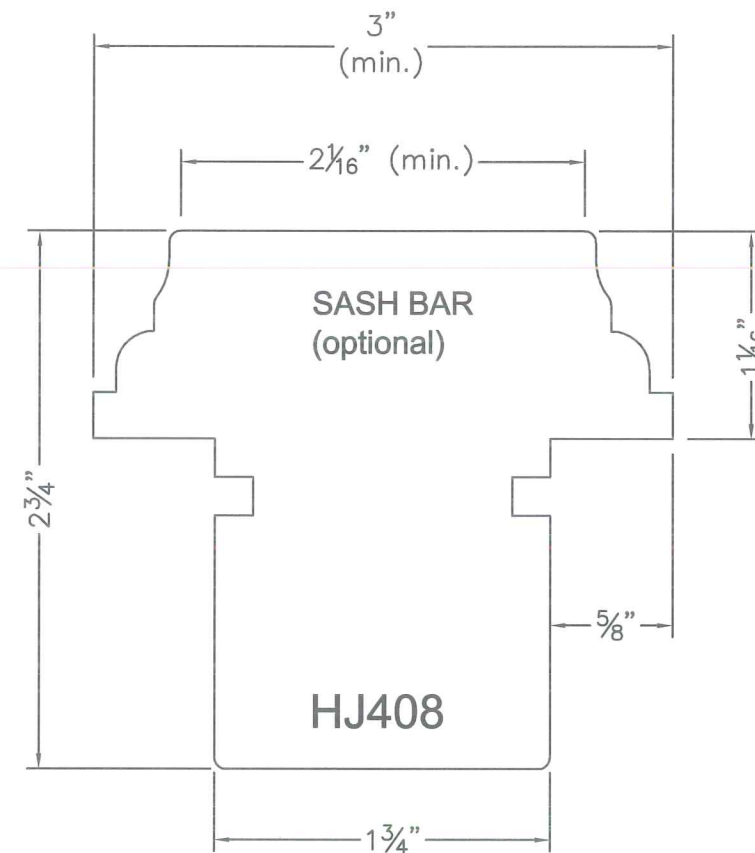
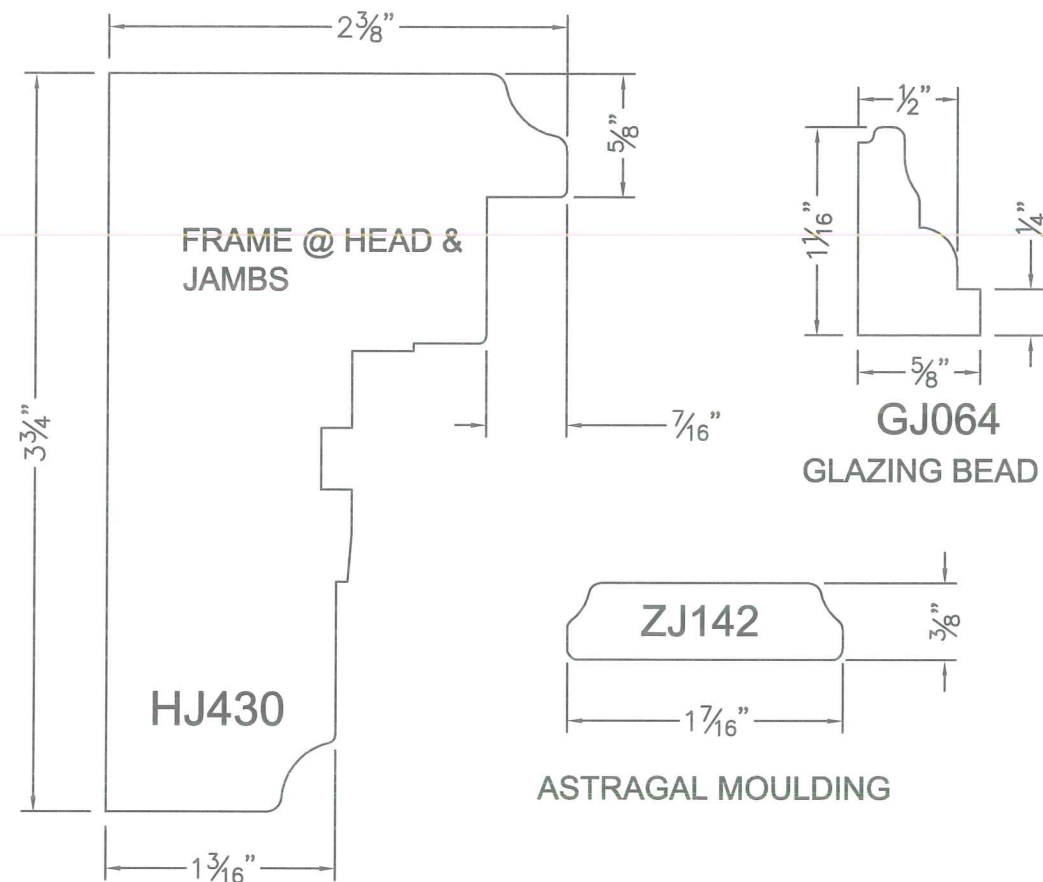


WOOD PROFILES

NOTE:
These profiles apply to
elevations on sheet 1 only



ZT130
SASH WATER DRIP



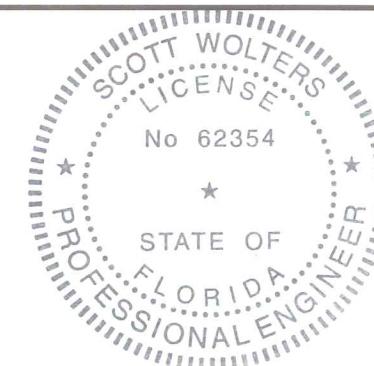
JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 04/21/06	Date revised: 05/08/06
File: JS-3-IN	Page: 8/10

STRUCTURALLY REVIEWED BY:

Scott Walters
SCOTT WOLTERS
FL PE# 62354

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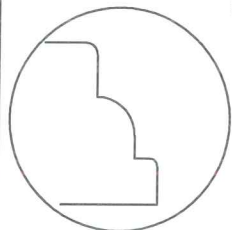


WOOD PROFILES

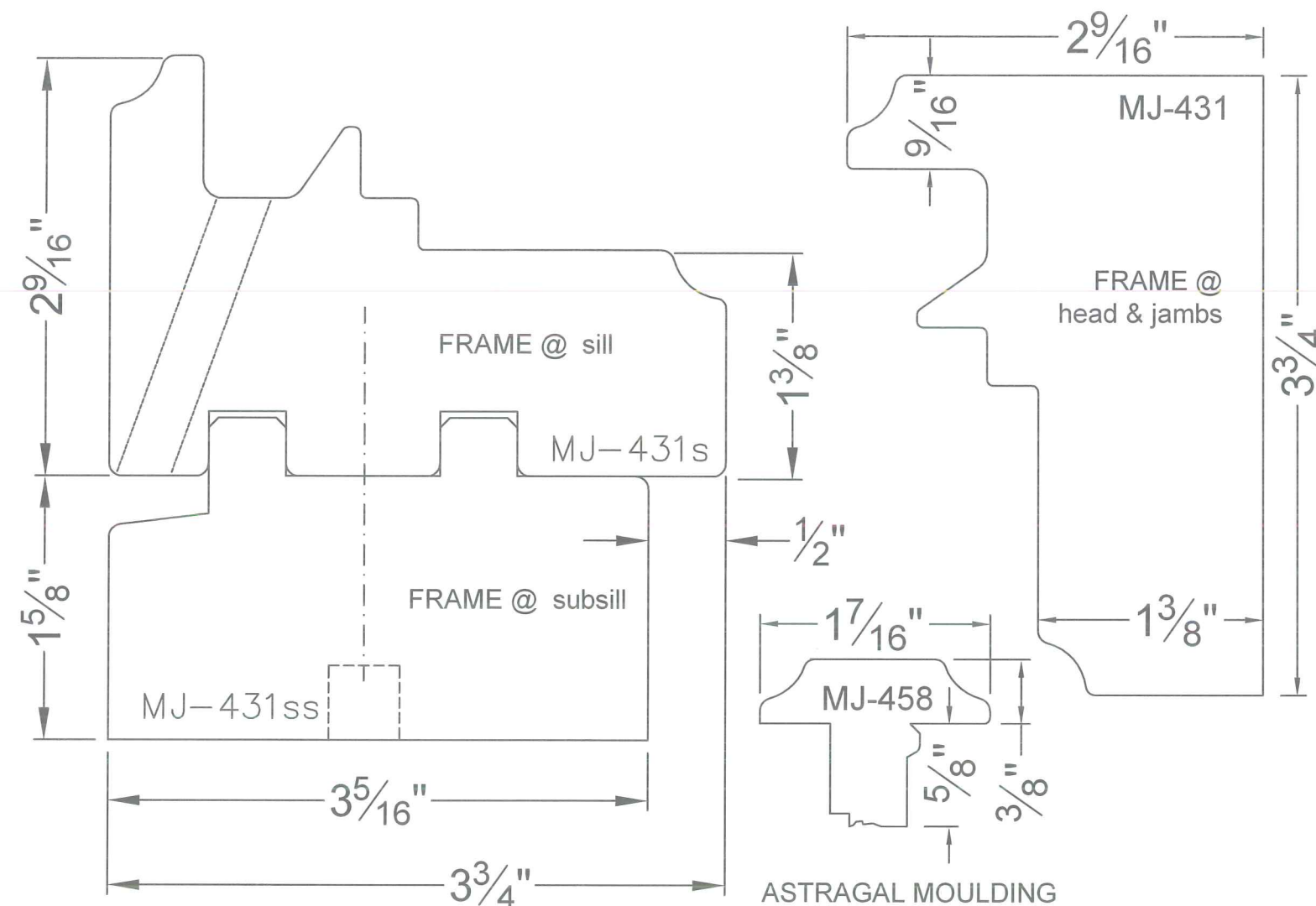
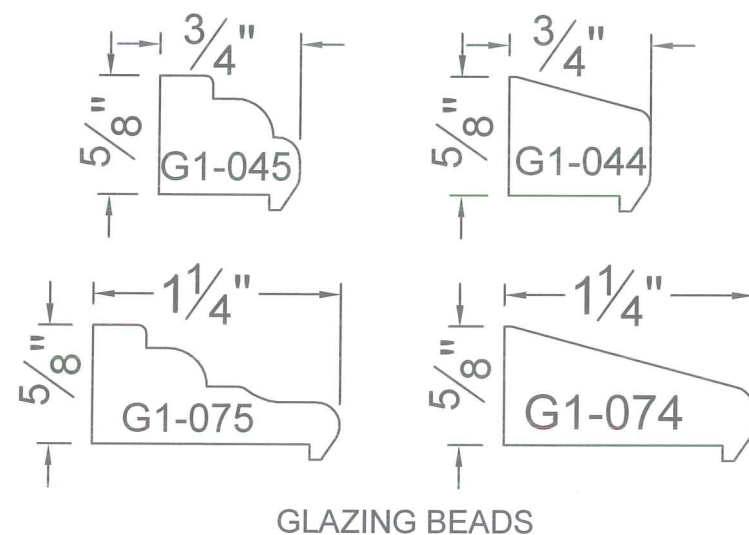
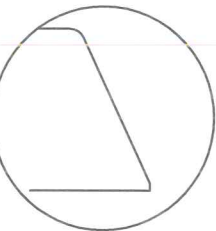
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

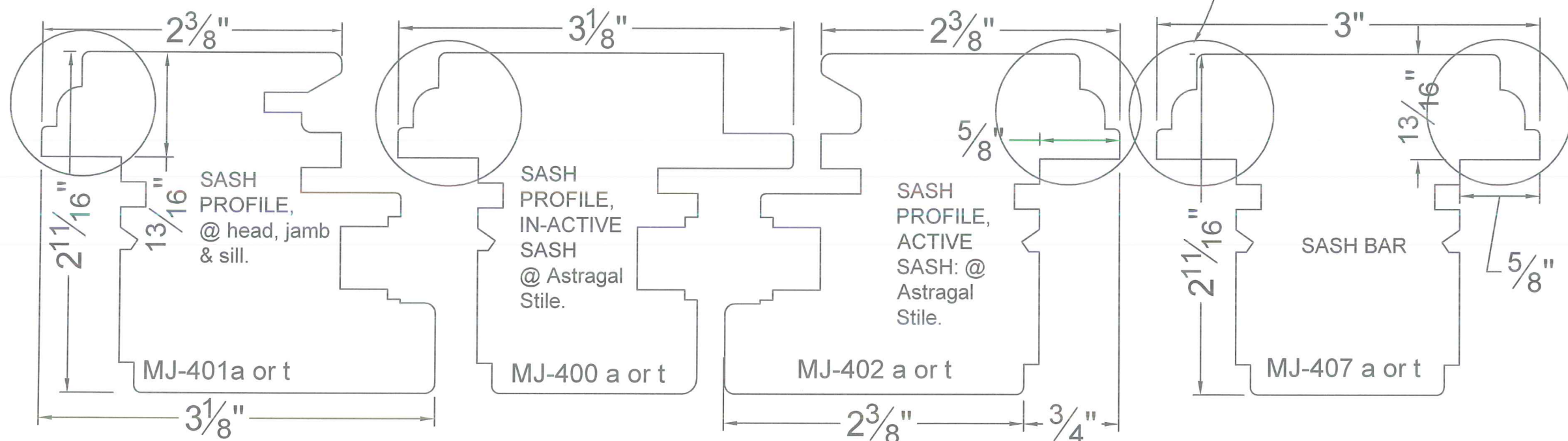
Flat glazing fence:
Part number w/ "a" suffix.



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



NOTE:
These profiles apply to elevations on sheet 2 only



JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

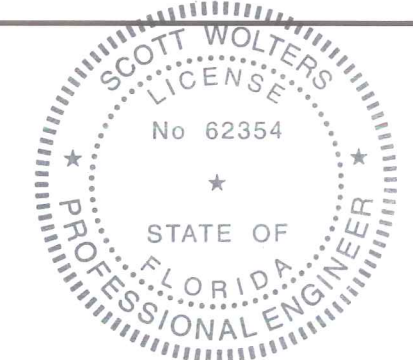
Drawing no.: JS-3-IN	Drawn by: S. Marcotte
Scale: NONE	Date revised: 05/08/06
Date drawn: 04/21/06	Page: 9/10
File: JS-3-IN	

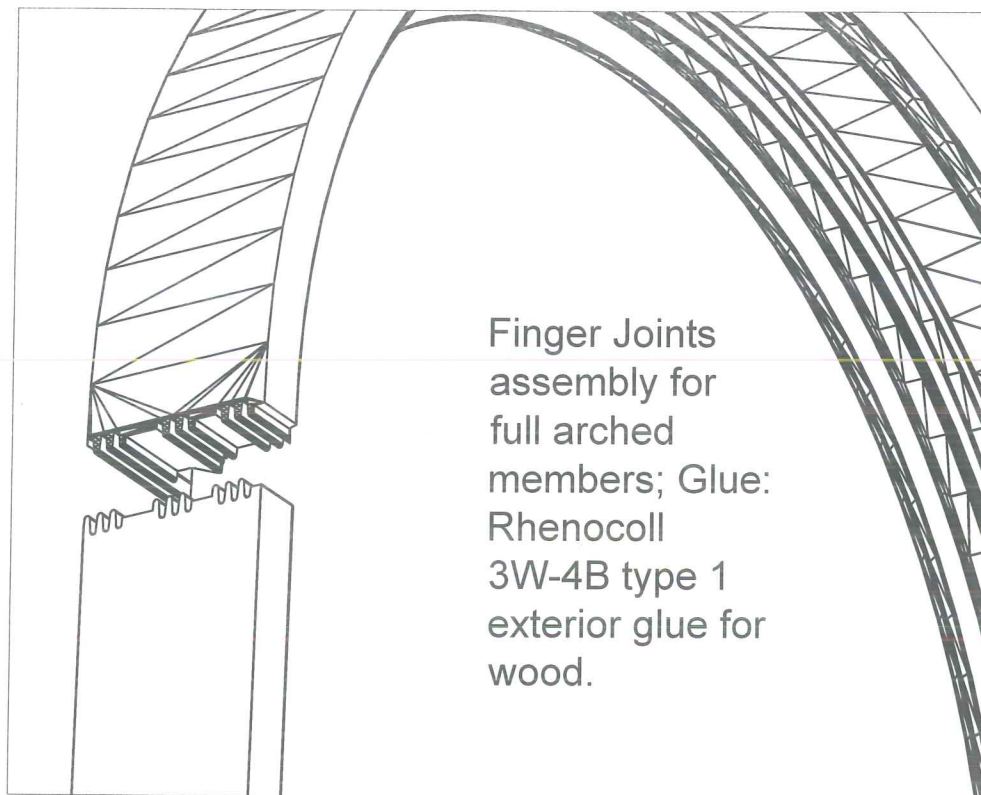
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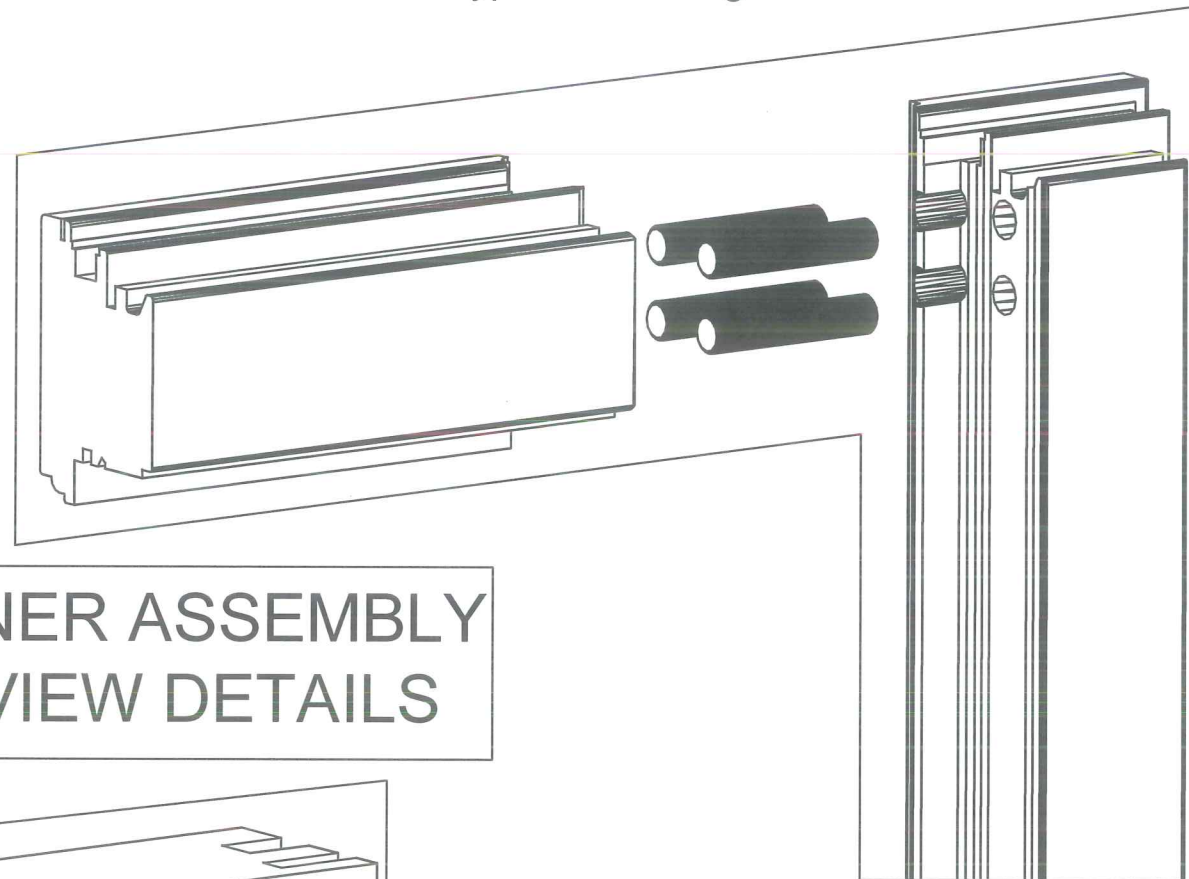
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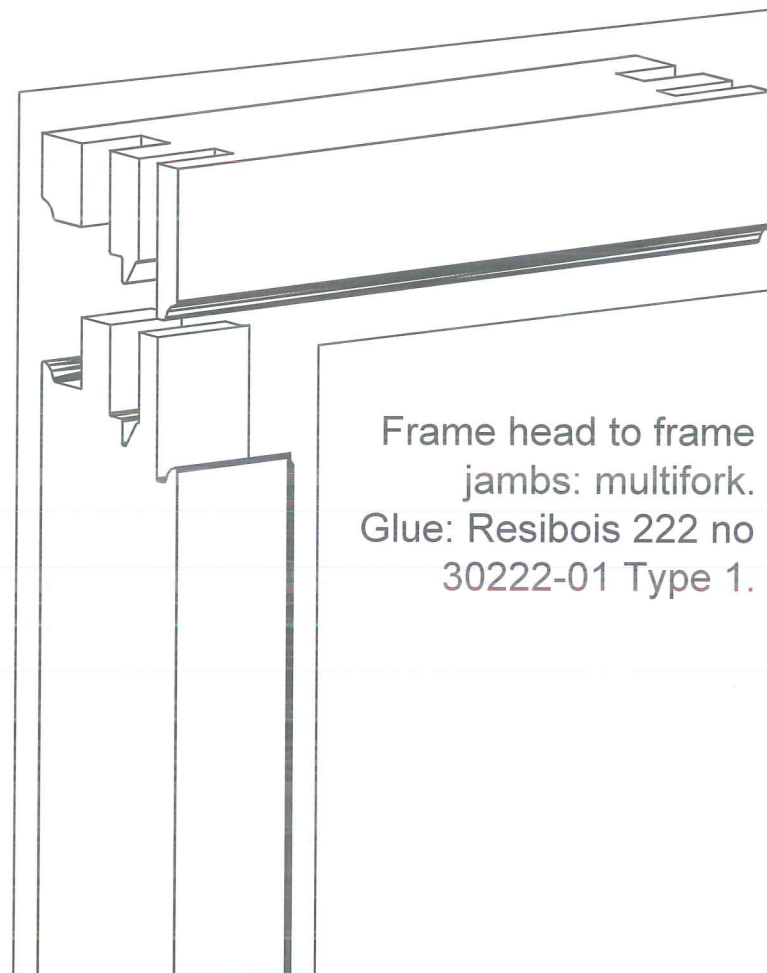
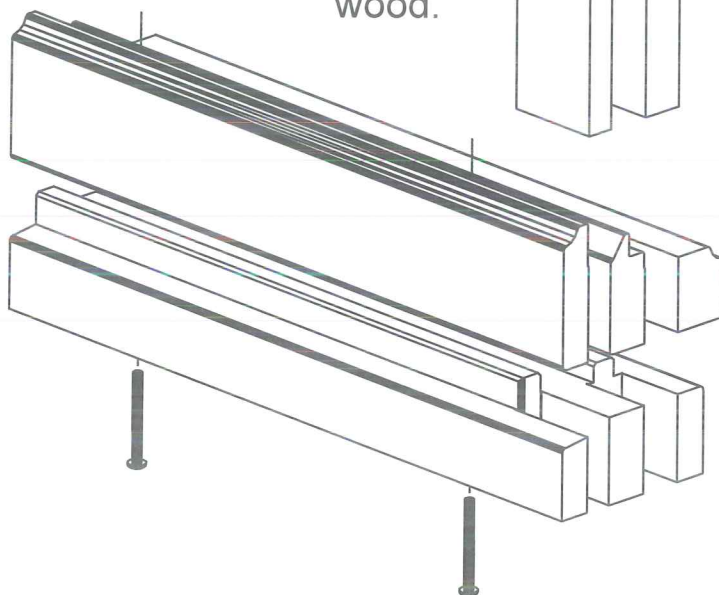
Finger Joints
assembly for
full arched
members; Glue:
Rhenocoll
3W-4B type 1
exterior glue for
wood.

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

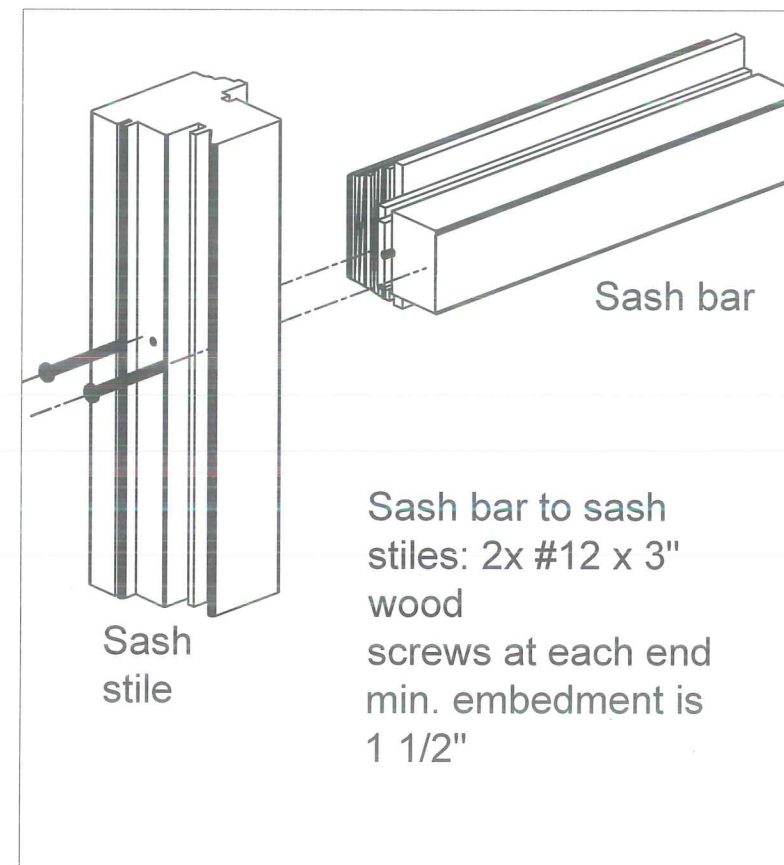


CORNER ASSEMBLY 3D VIEW DETAILS

Frame subsill to frame
sill: (1) #12 x 2 1/2" @
5 1/2" from ends & 12"
o/c. Frame sill & subsill
to frame jambs:
multifork.
Glue: Rhenocoll 3W-4B
type 1 exterior glue for
wood.



Frame head to frame
jambs: multifork.
Glue: Resibois 222 no
30222-01 Type 1.



Sash bar to sash
stiles: 2x #12 x 3"
wood
screws at each end
min. embedment is
1 1/2"

JS SERIE INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.:	JS-3-IN
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 04/21/06	Date revised: 01/17/11
File: JS-3-IN	Page: 10/10

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