

WINDOWS, OUTSWING
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.

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 $C_d = 1.6$ WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.

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"

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

GLAZING TYPE TABLE
GLASS: SINGLE, LAMINATED
3/16"(AN) - 0.090" PVB interlayer Saflex IIIIG 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



JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

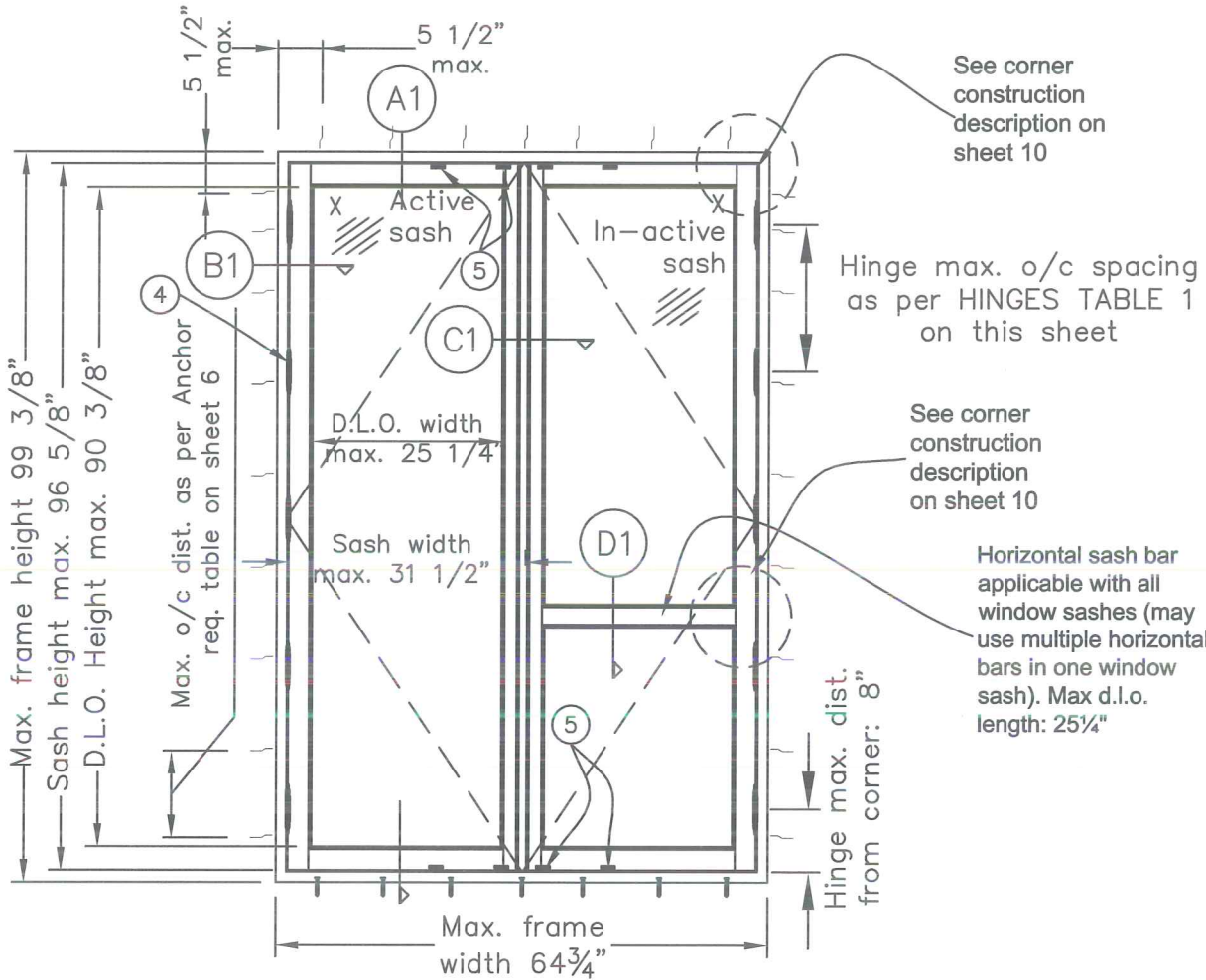
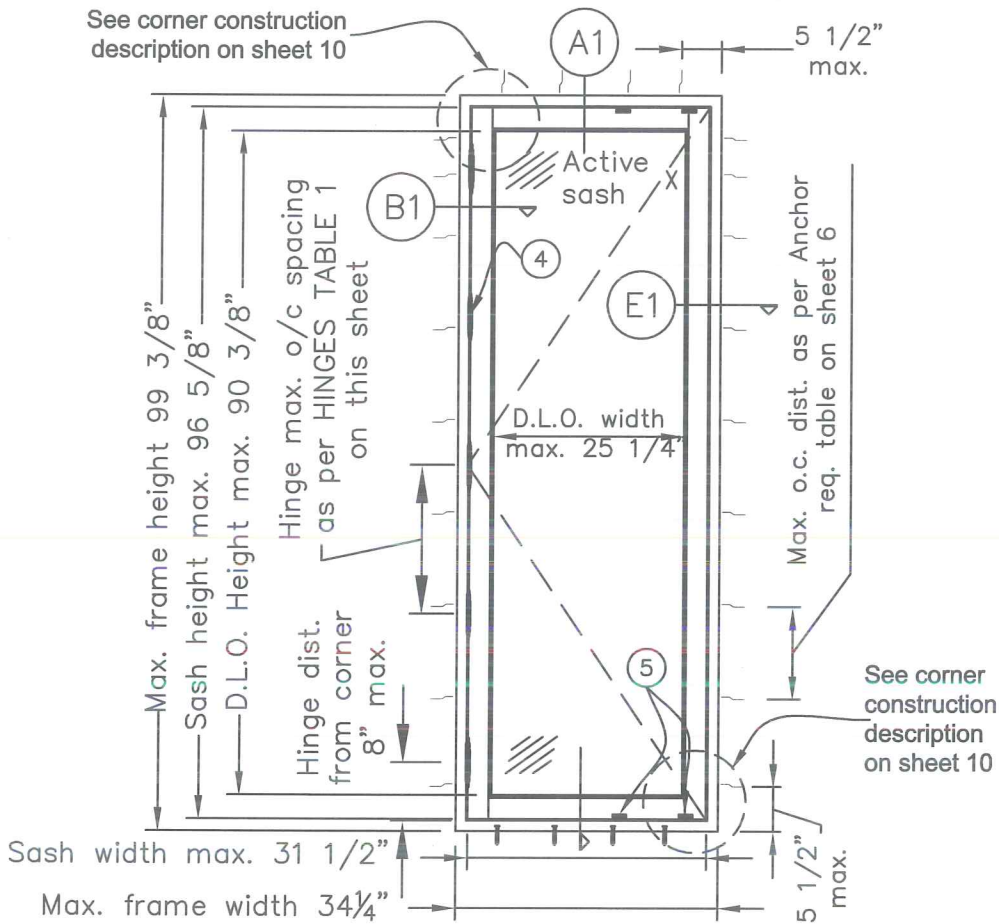
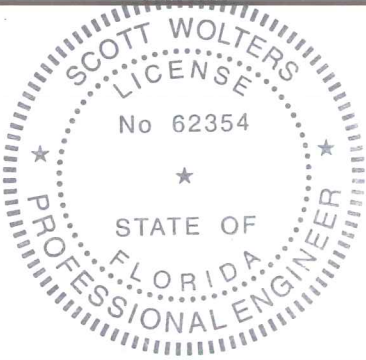
Date drawn: 01/10/99
Date revised: 06/23/15

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

STRUCTURALLY REVIEWED BY:

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

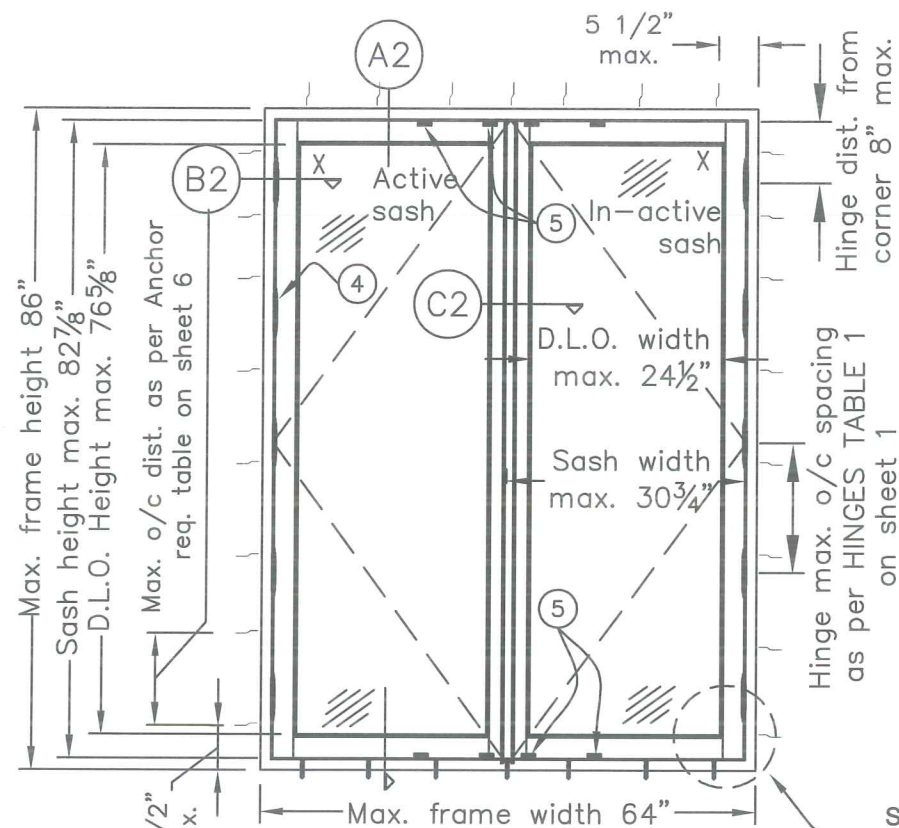
APR 12 2016



WINDOWS, OUTSWING
ELEVATION VIEWS
CONFIGURATIONS: X, XX
WOOD: Mahogany
VIEWED FROM THE OUTSIDE

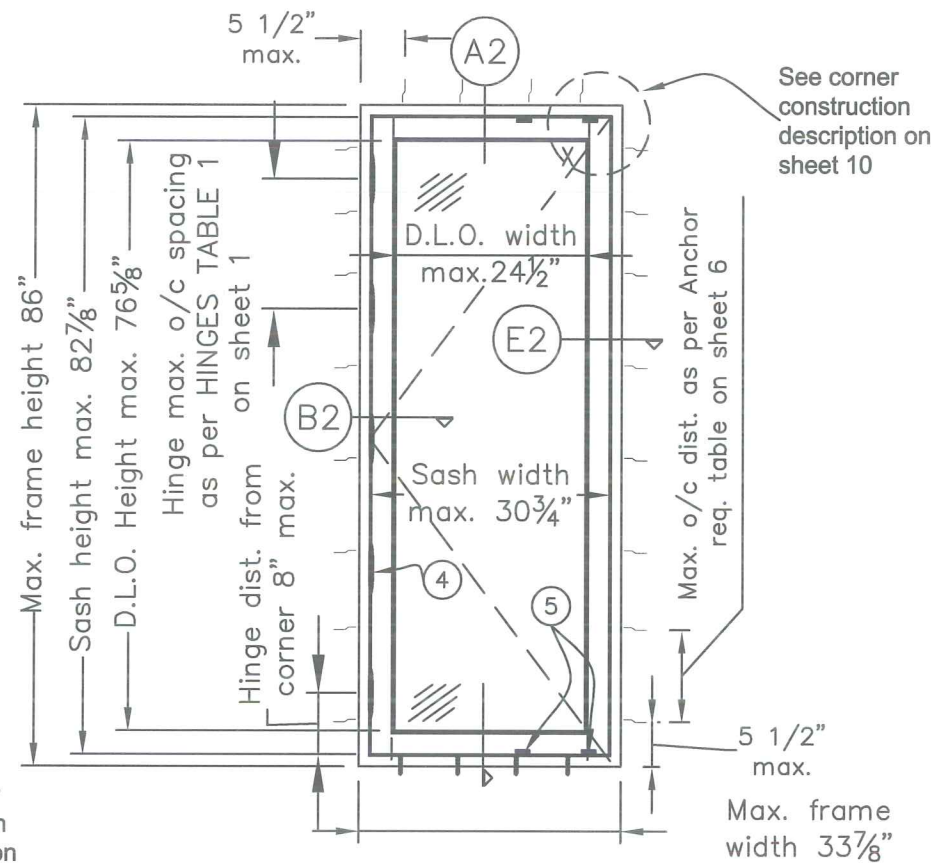
DESIGN PRESSURE APPLYING TO THIS PAGE
As indicated on elevations
Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.
Shutters are not required.

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"



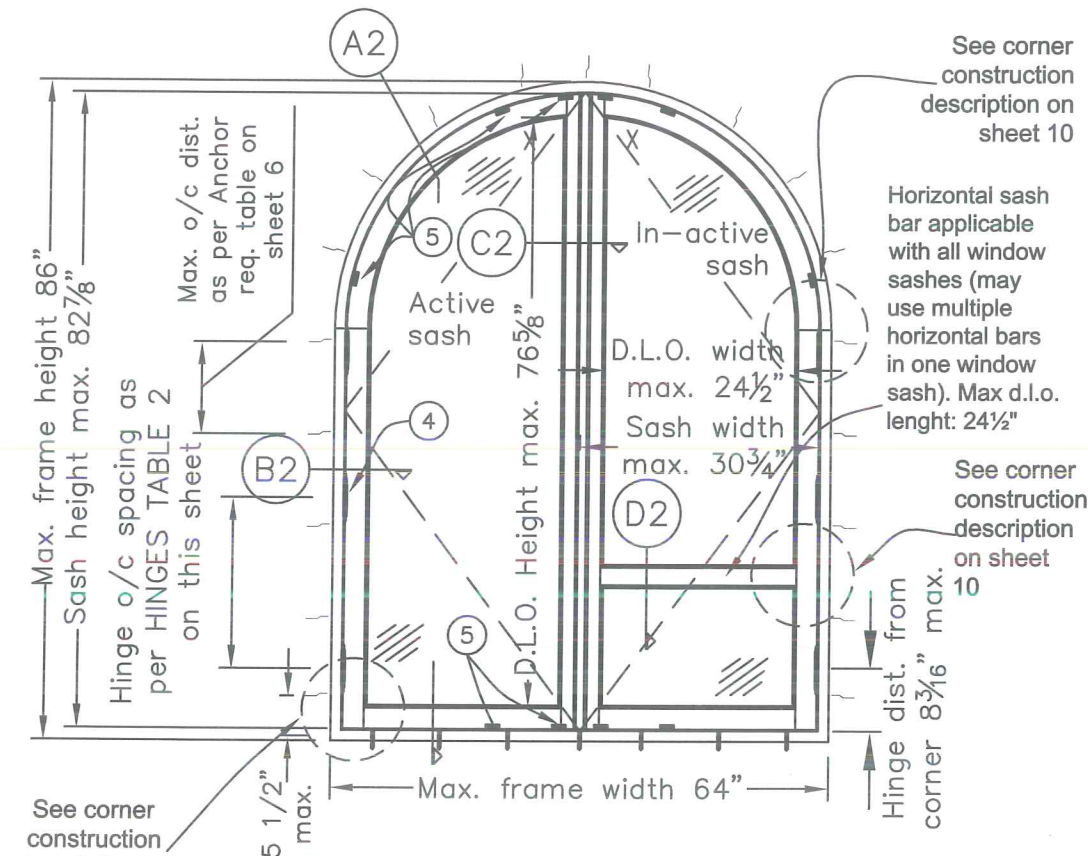
DESIGN PRESSURE RATING

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



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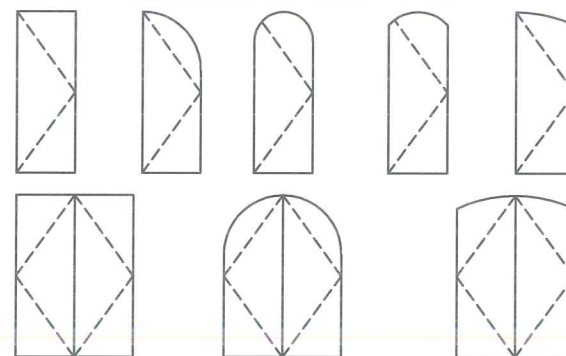
Acting inward: +58.0 psf
Acting outward: -68.0 psf



DESIGN PRESSURE RATING

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

APPROVED SHAPES



- NOTES:**
- Other shapes may apply providing they are similar to those shown & have corner construction as described on sheet 10.
 - All shaped units must fit inscribed into the allowable rectangular units & be governed by the allowable pressure of the respective rectangular unit.
 - Approved shaped heads on this sheet conform to cross section A2 on sheet 4.
 - Keepers qty & location identical to shown arched unit. For single panel full arched unit, keepers at head evenly distributed.

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" PVB interlayer* - 3/16" (HS) - 0.377" air space - 5/32" (AN).

OPTION 2: 1" (O.T.) Made of: 3/16" (HS) - 0.090" PVB 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
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY**

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 01/17/11

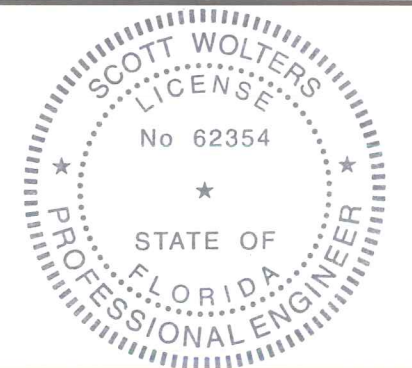
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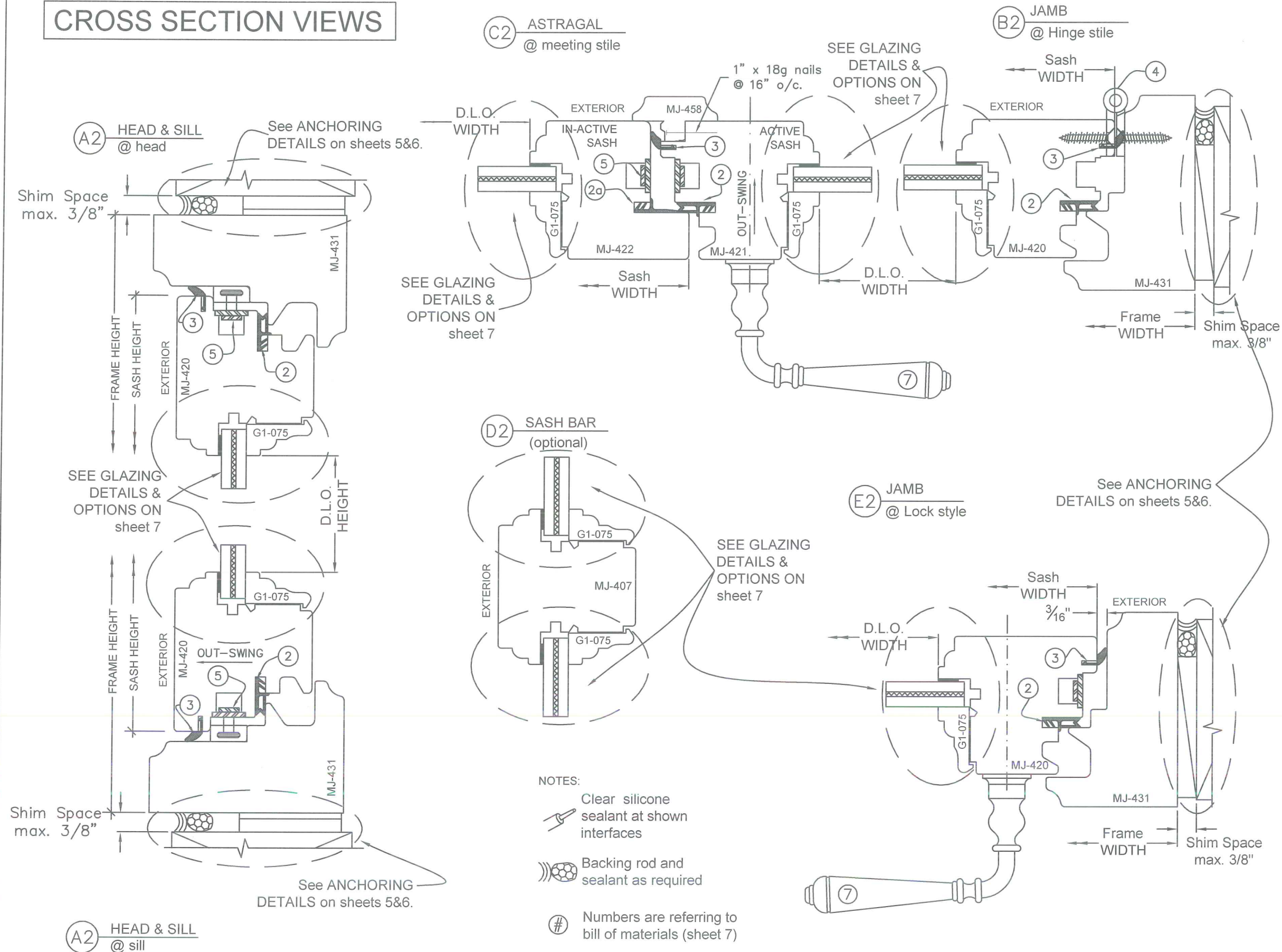
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SCOTT WOLTERS
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WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

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CROSS SECTION VIEWS



JS SERIE OUTSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 05/04/06

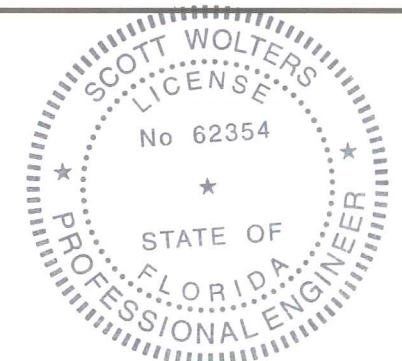
File: JS-3-OUT
Page: 4/10

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

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 01/17/11

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

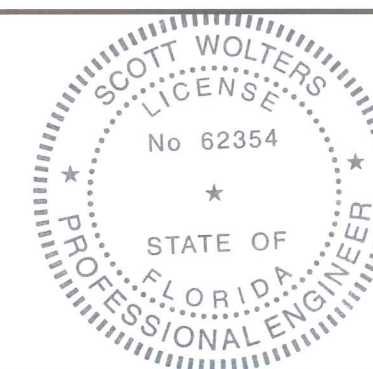
STRUCTURALLY REVIEWED BY:

Scott Wolters

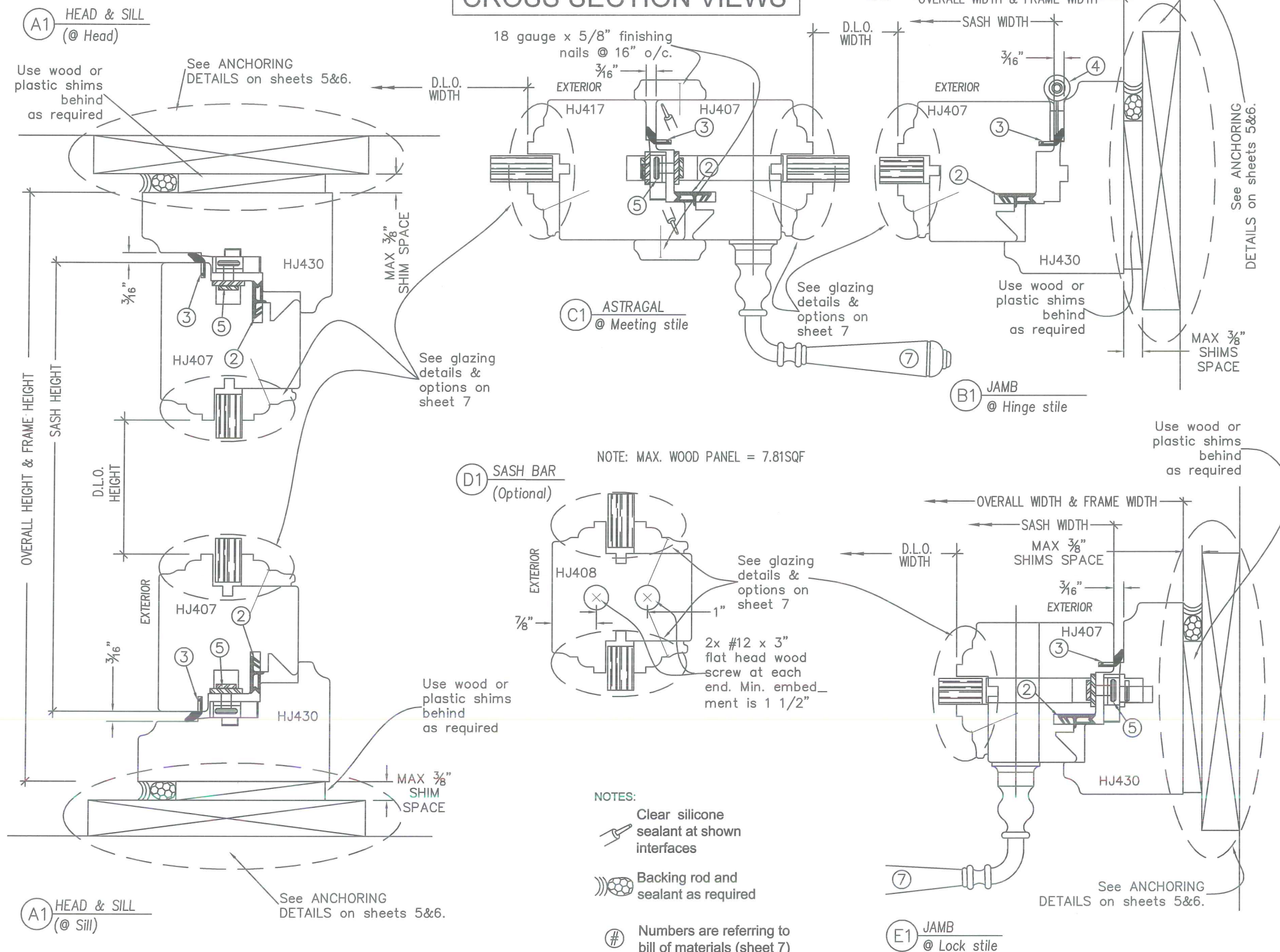
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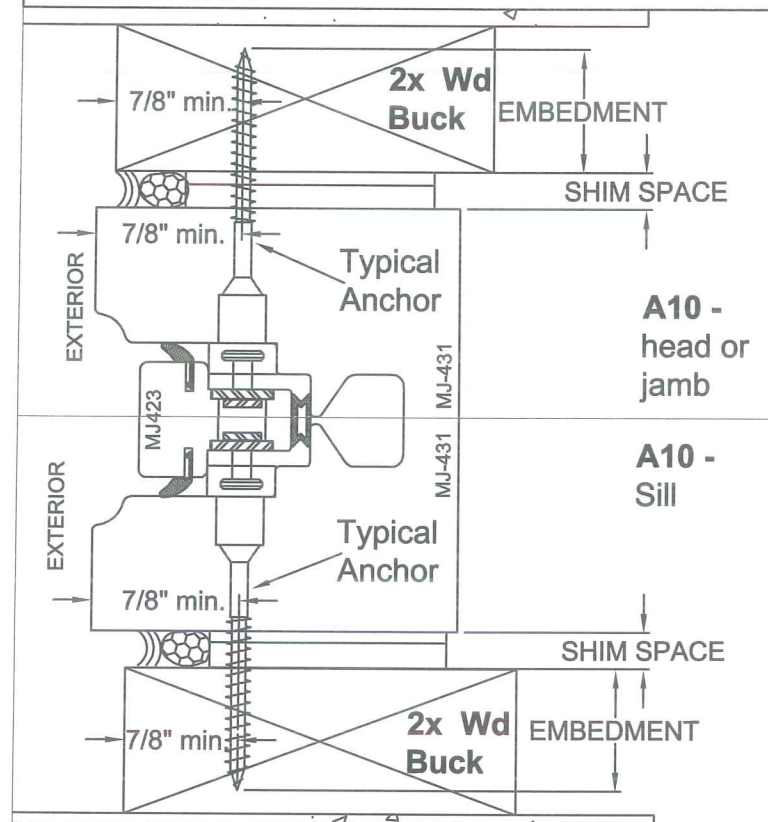


CROSS SECTION VIEWS

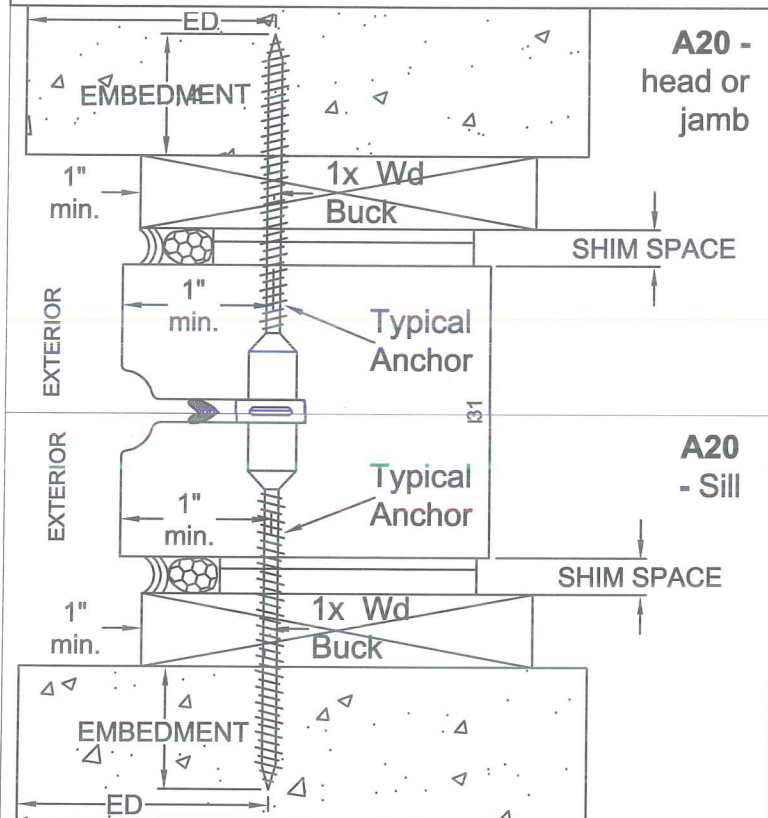


ANCHORING DETAILS VIEWS

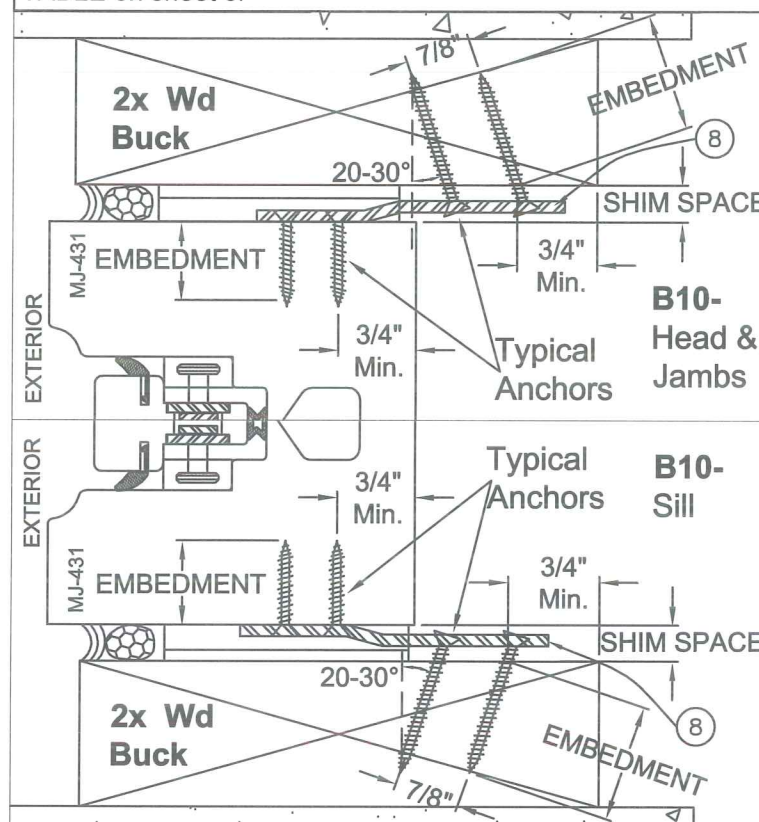
A10 - Typical direct anchor on 2x wood buck using wood screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



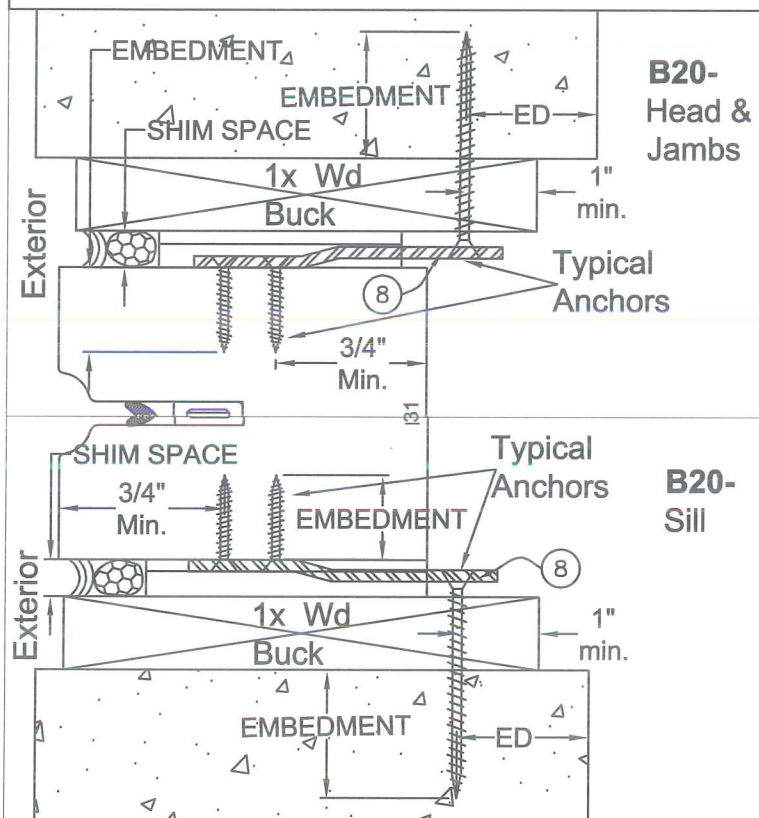
A20 - Typical direct anchor through 1x wood buck into concrete using Tapcon screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 6.



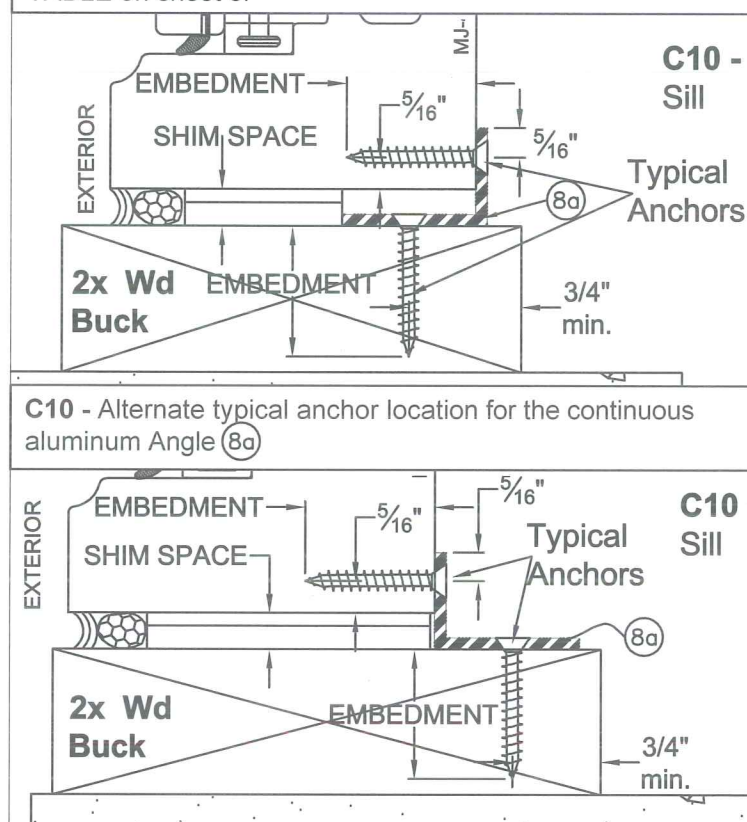
B10 - Typical anchor using Installation Bracket (8) on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 6.



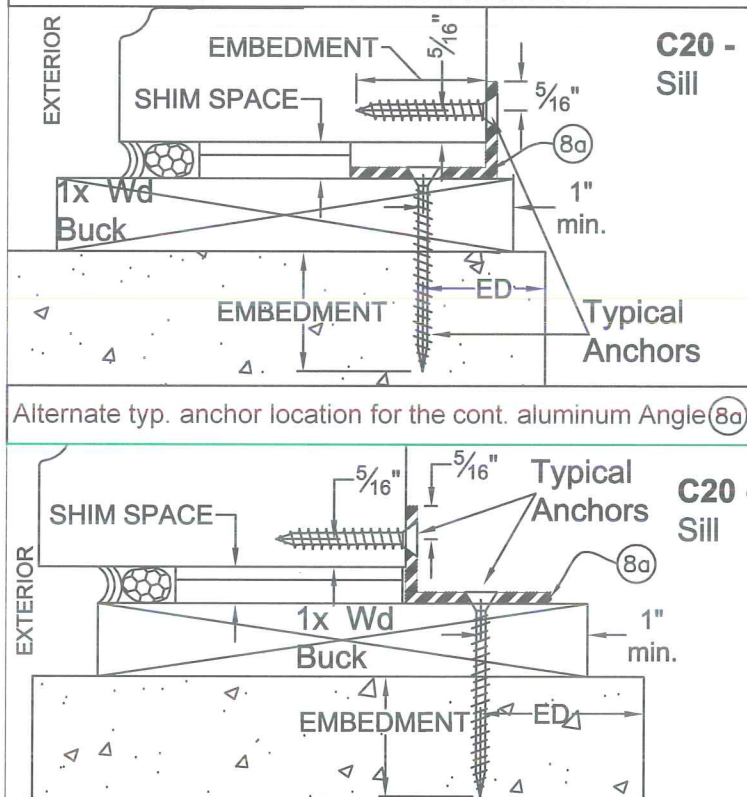
B20 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete as per ANCHOR REQUIREMENTS TABLE on sheet 6.



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 OUTSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 05/04/06

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

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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.

Backings rod and sealant as required

Numbers in circle are referring to bill of materials (sheet 7).

Anchoring method	Substrate	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
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 01/10/99
Date revised: 05/04/06

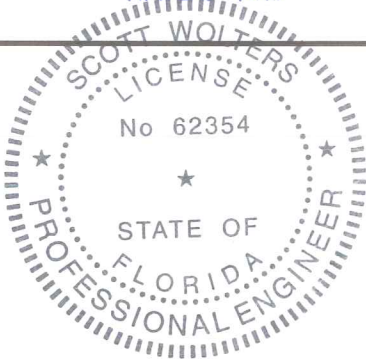
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Page: 6/10

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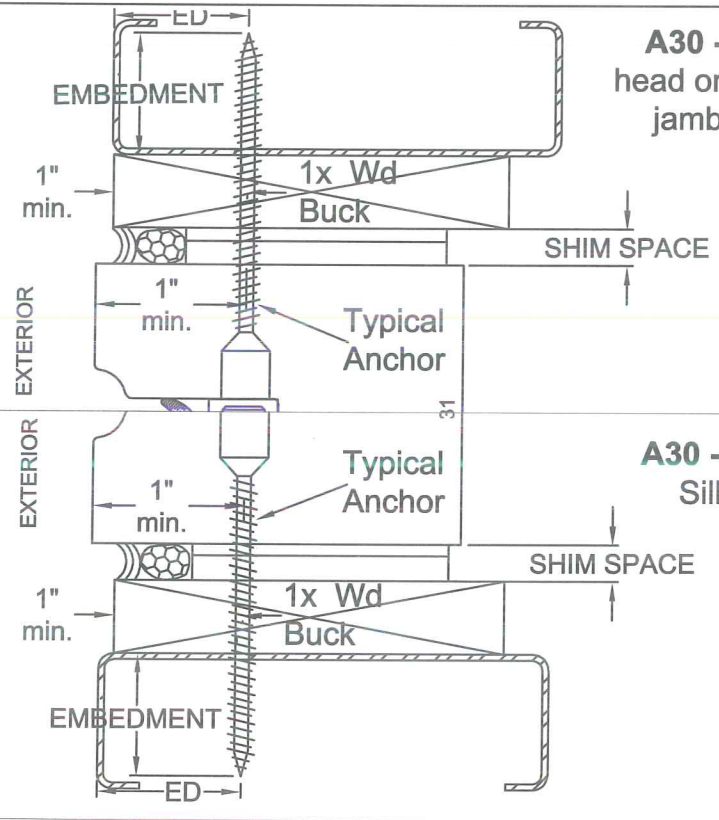
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15211 97TH ROAD N
WEST PALM BEACH, FL 33412

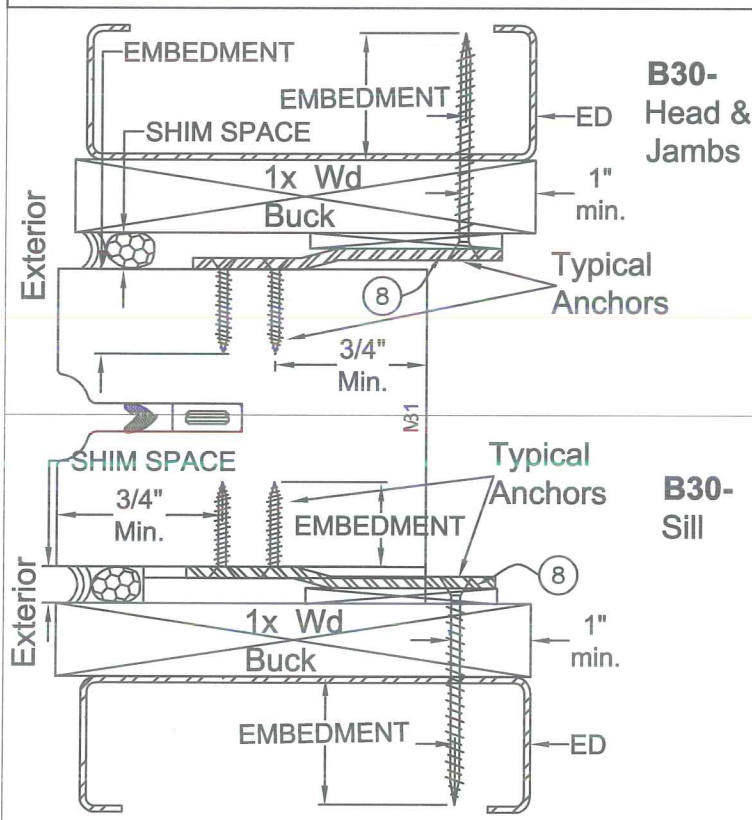
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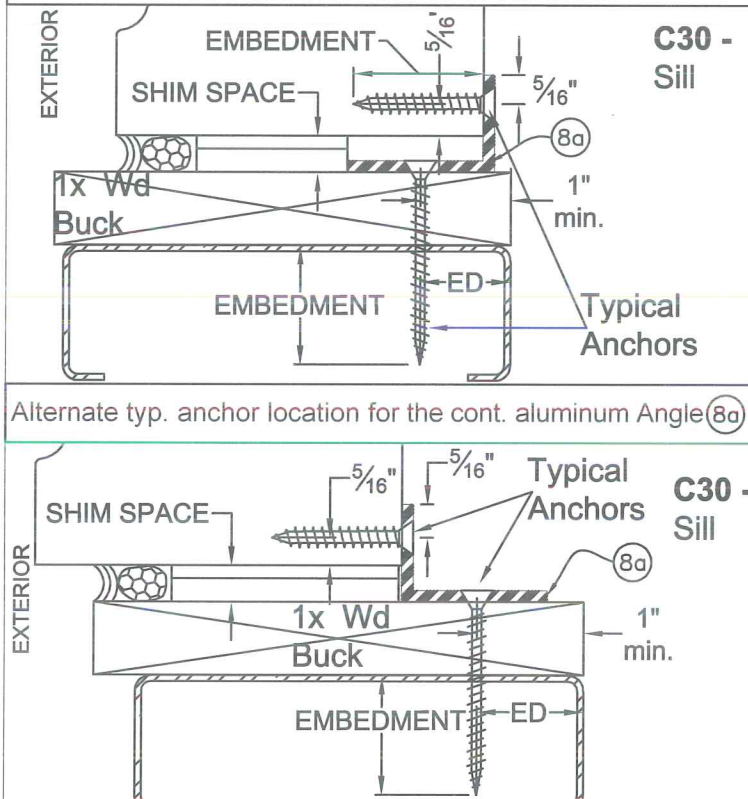
A30 - Typical direct anchor through 1x wood buck into metal stud using Teks-type screws. Size and spacing as per ANCHOR REQUIREMENTS TABLE on this sheet.



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.

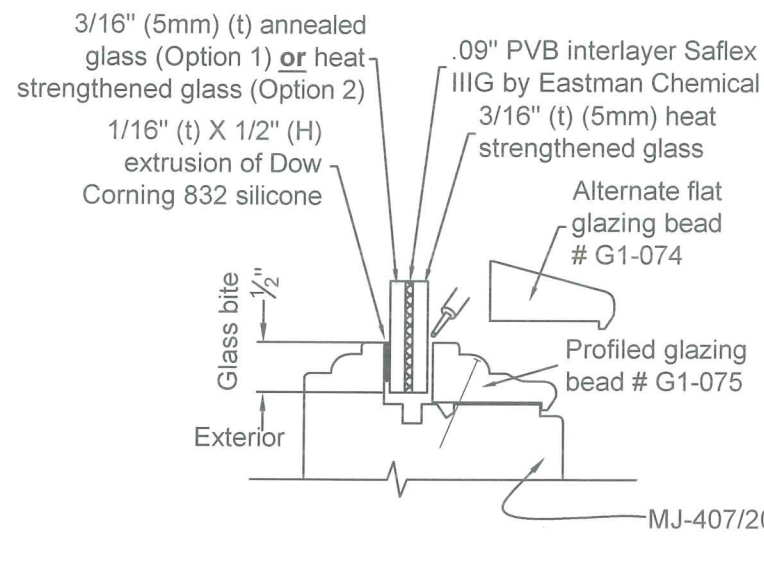


C30 - Typical anchor w/ Continuous Aluminum Angle (8a) using Teks-type screws through 1x wood buck into metal stud and wood screw into window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on this sheet.

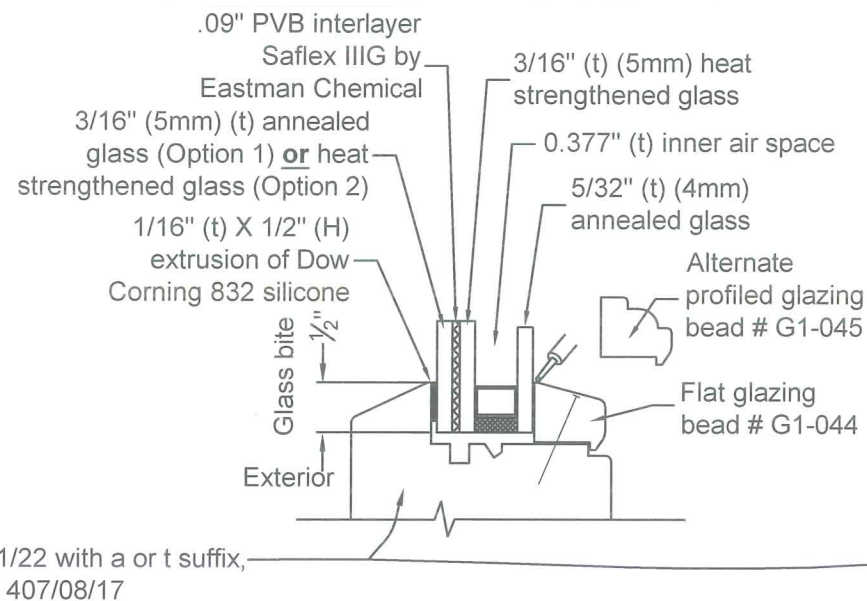


GLAZING DETAILS

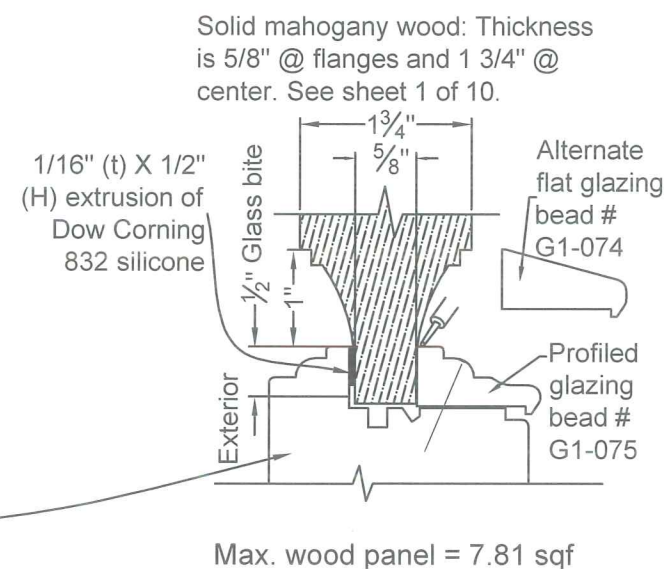
Typ. glazing w/ monolithic laminated glass



Typ. glazing w/ double insulated glass

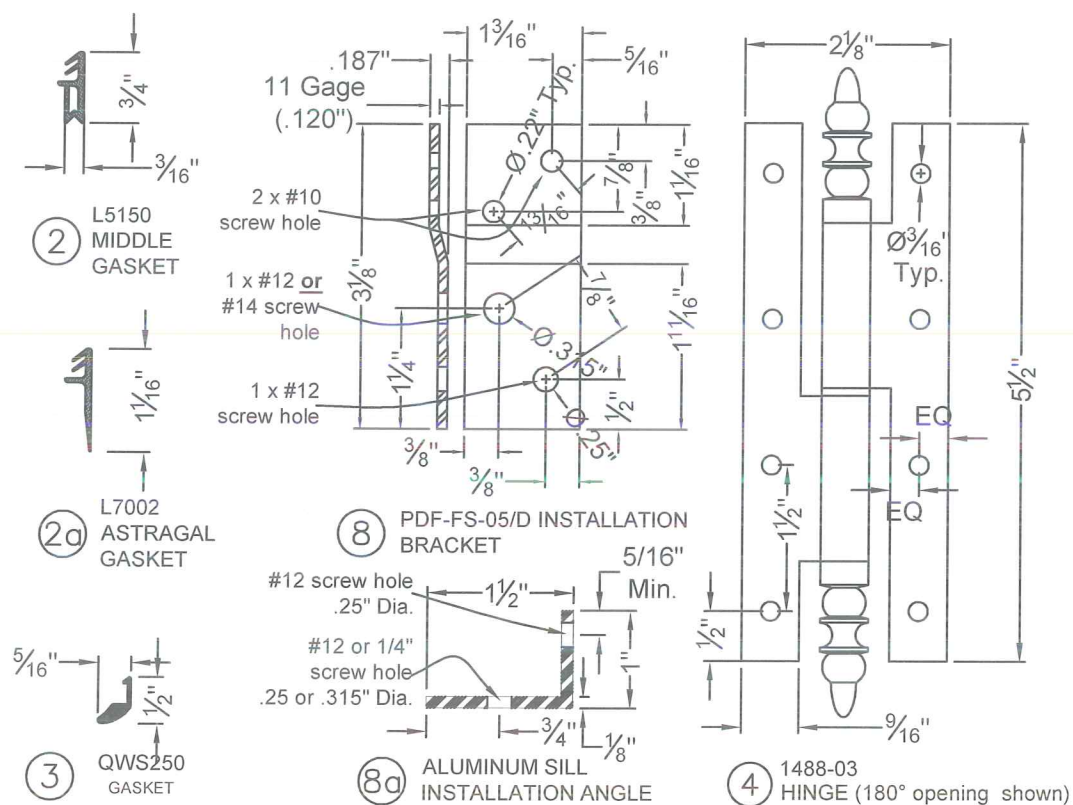


Typ. glazing w/ raised wood panel



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



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	Qty, max. o/c & from corner dist. as per MAX. HINGES SPACING table on sheet 1. Fasteners: 4x #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	For Anchor types, sizes and spacing, see ANCHOR REQUIREMENTS TABLE on sheet 6
⑧a	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS TABLE on sheets 6

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

JS SERIE OUTSWING WOOD WINDOWS MIAMI DADE COUNTY

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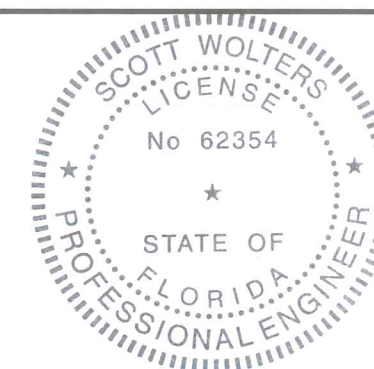
Date drawn: 01/10/99 Date revised: 01/17/11

File: JS-3-OUT Page: 7/10

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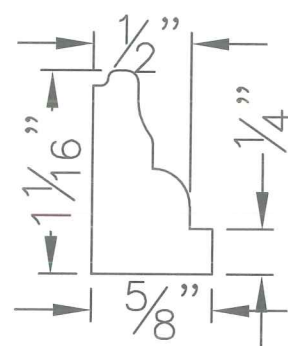


WOOD PROFILES

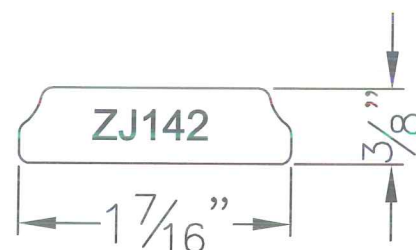
NOTES:

-These profiles apply to elevations on sheet 1 only.

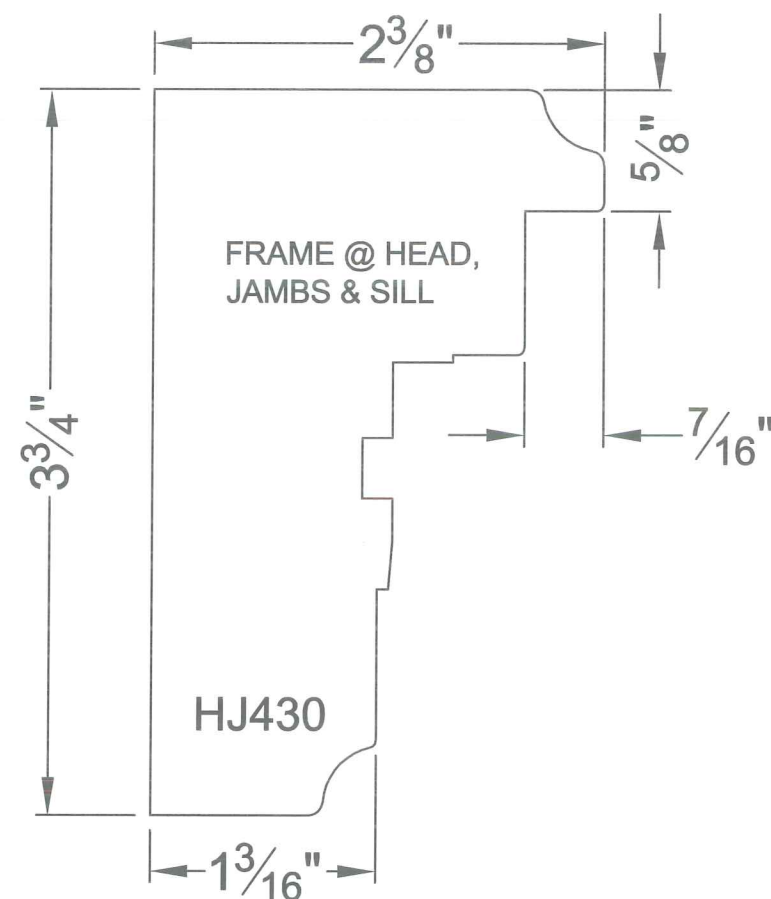
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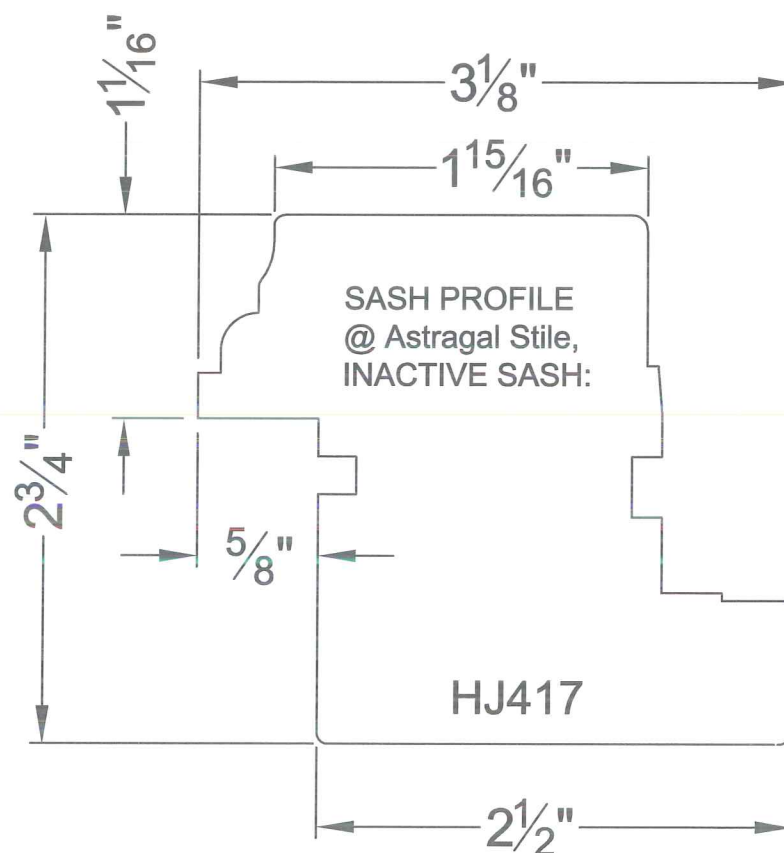
GJ064
GLAZING BEAD



ZJ142
ASTRAGAL MOULDING

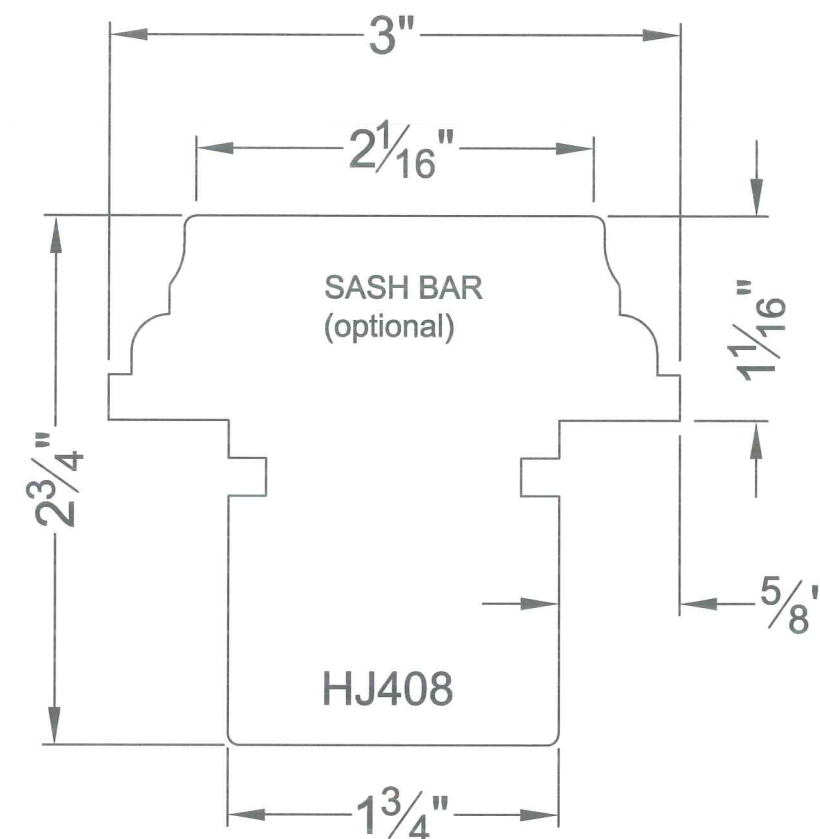


HJ430



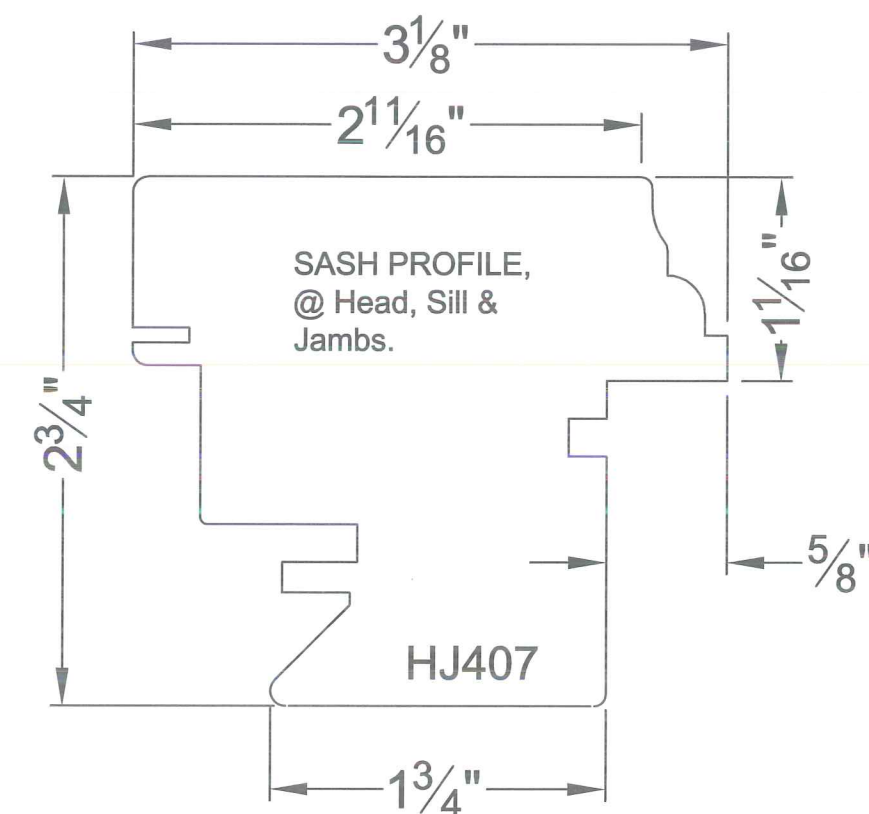
SASH PROFILE
@ Astragal Stile,
INACTIVE SASH:

HJ417



SASH BAR
(optional)

HJ408



SASH PROFILE,
@ Head, Sill &
Jambs.

HJ407



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

JS SERIE OUTSWING WOOD WINDOWS MIAMI DADE COUNTY

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Date drawn: 01/10/99 Date revised: 05/04/06

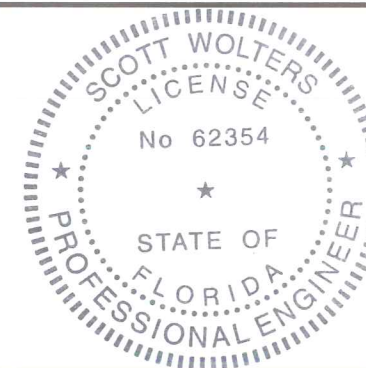
File: JS-3-OUT Page: 8/10

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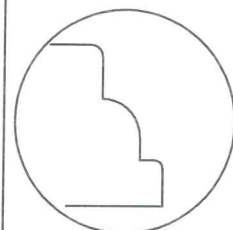


WOOD PROFILES

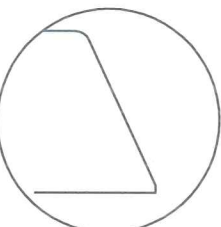
NOTE: All profiles dimensions shown are minimum dimensions.

Alternate glazing fence details

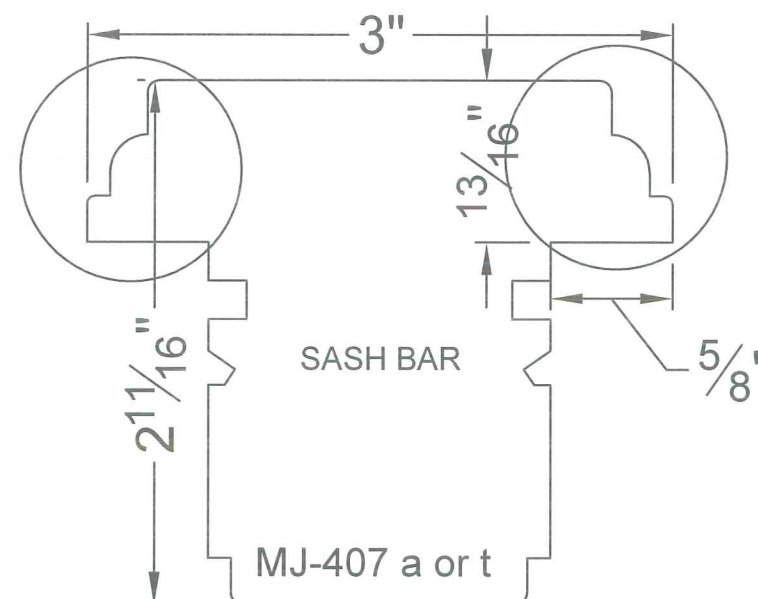
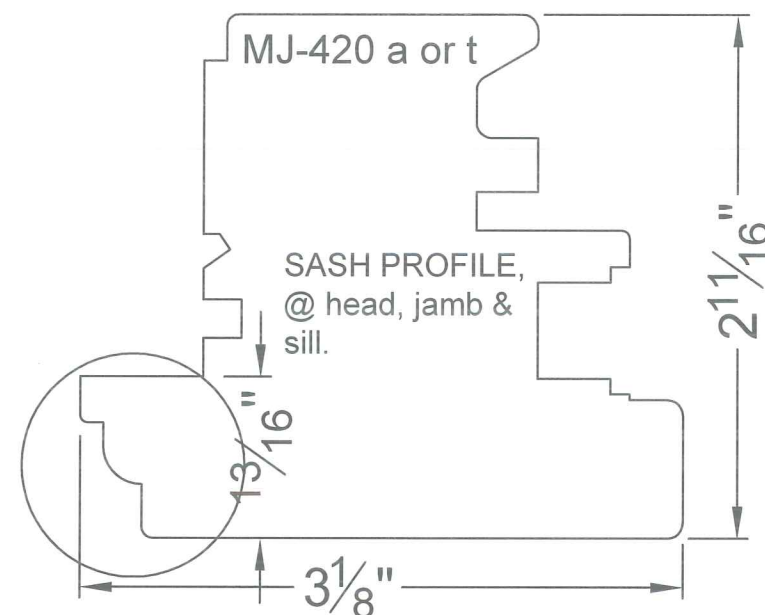
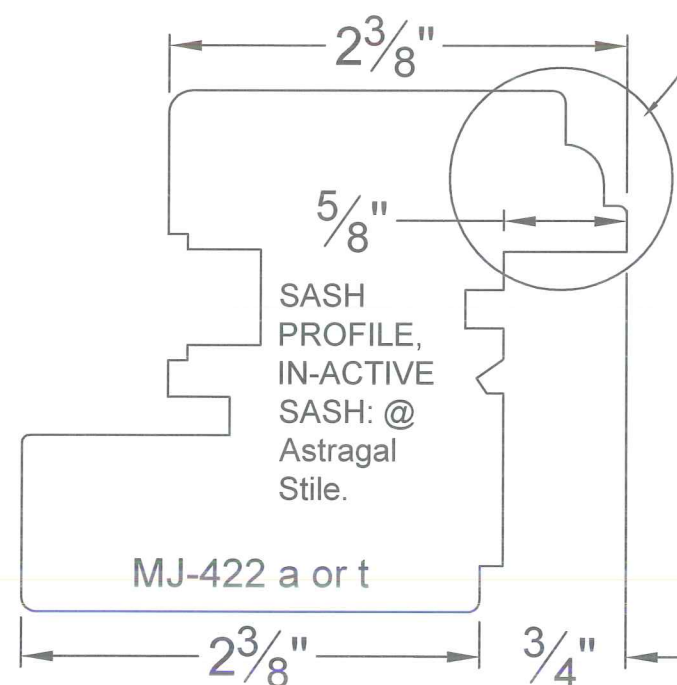
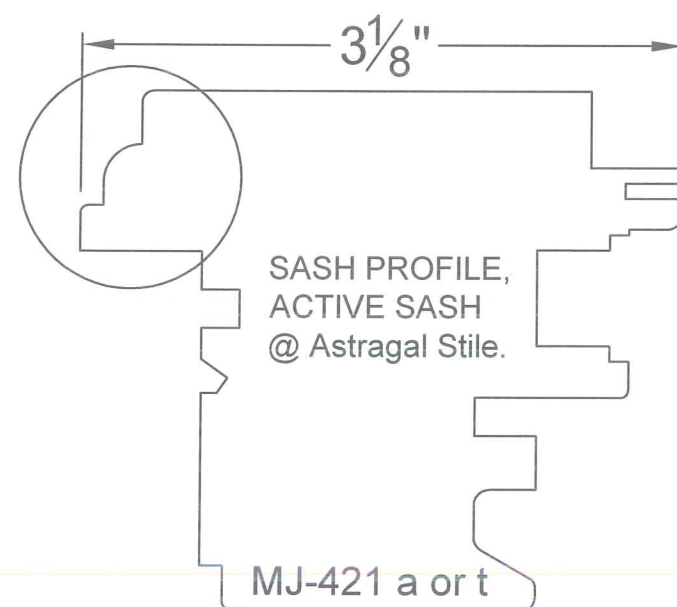
Flat glazing fence:
Part number w/ "a"
suffix.



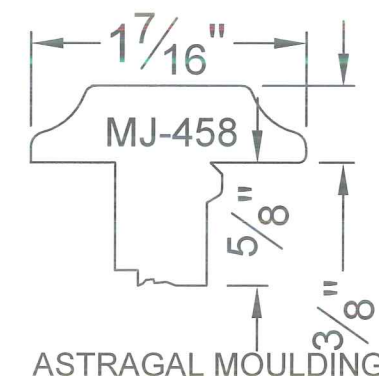
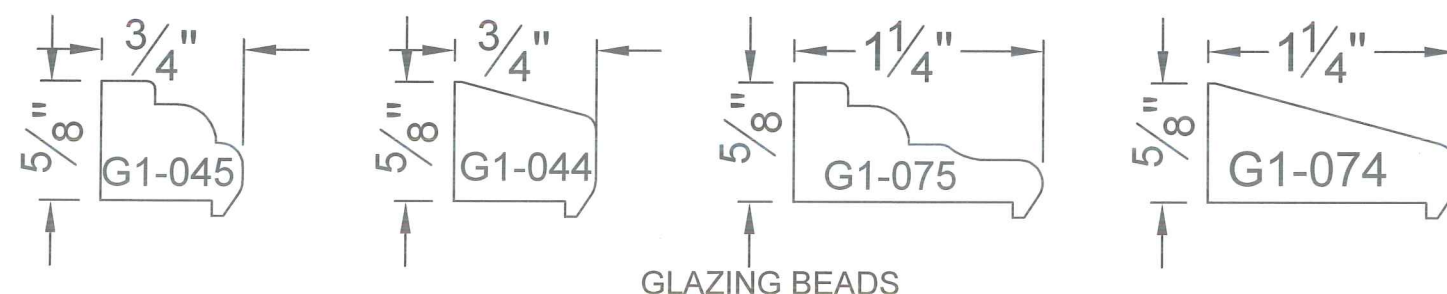
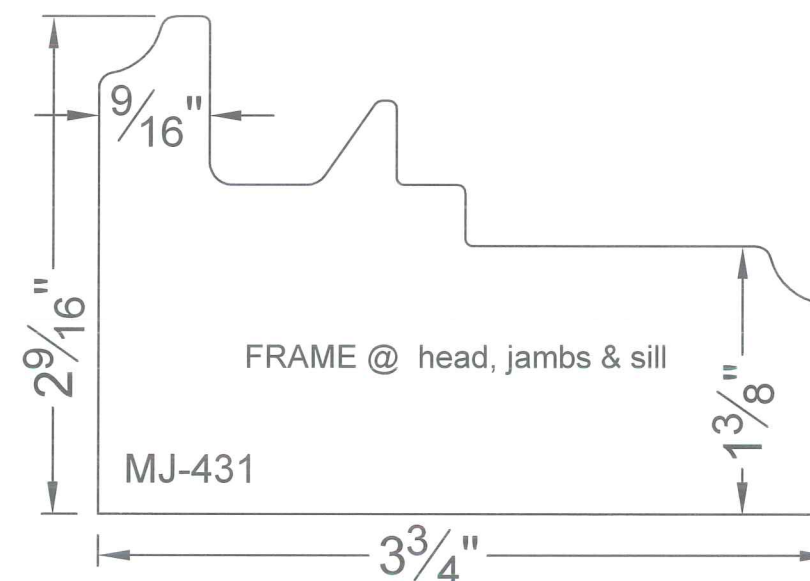
Moulded glazing
fence: Part number
w/ "t" suffix.



NOTE: These profiles apply to elevations on sheet 2 only



See Alternate glazing fence
details on this sheet



JS SERIE OUTSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 05/04/06

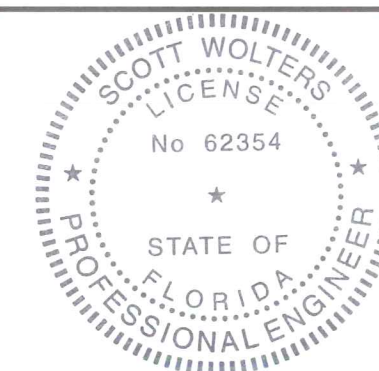
File: JS-3-OUT Page: 9/10

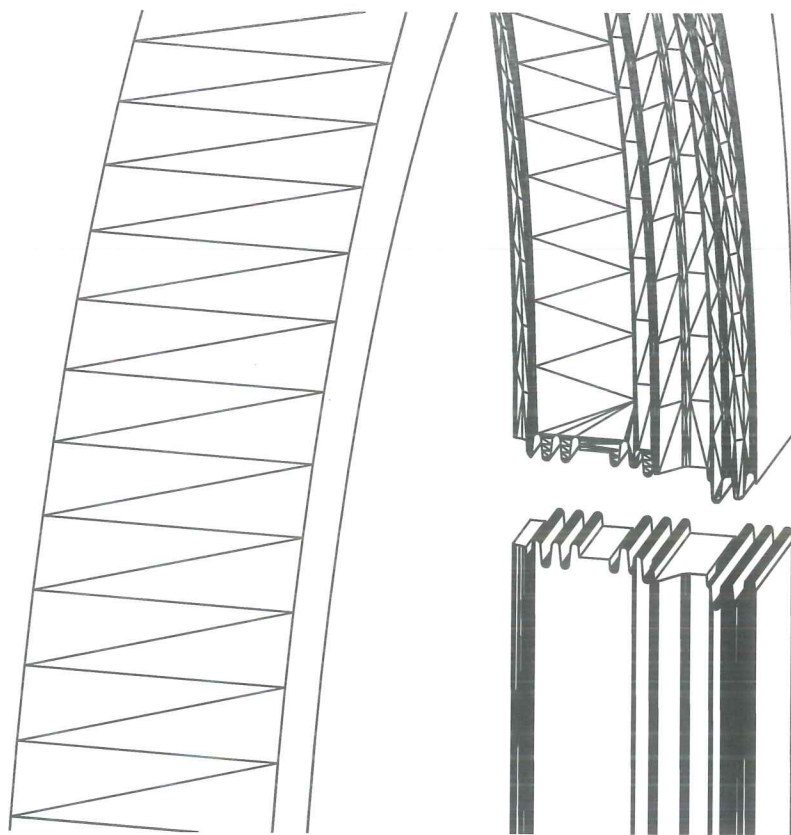
STRUCTURALLY REVIEWED BY:

Scott Wolters
SCOTT WOLTERS
FL PE# 62354

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

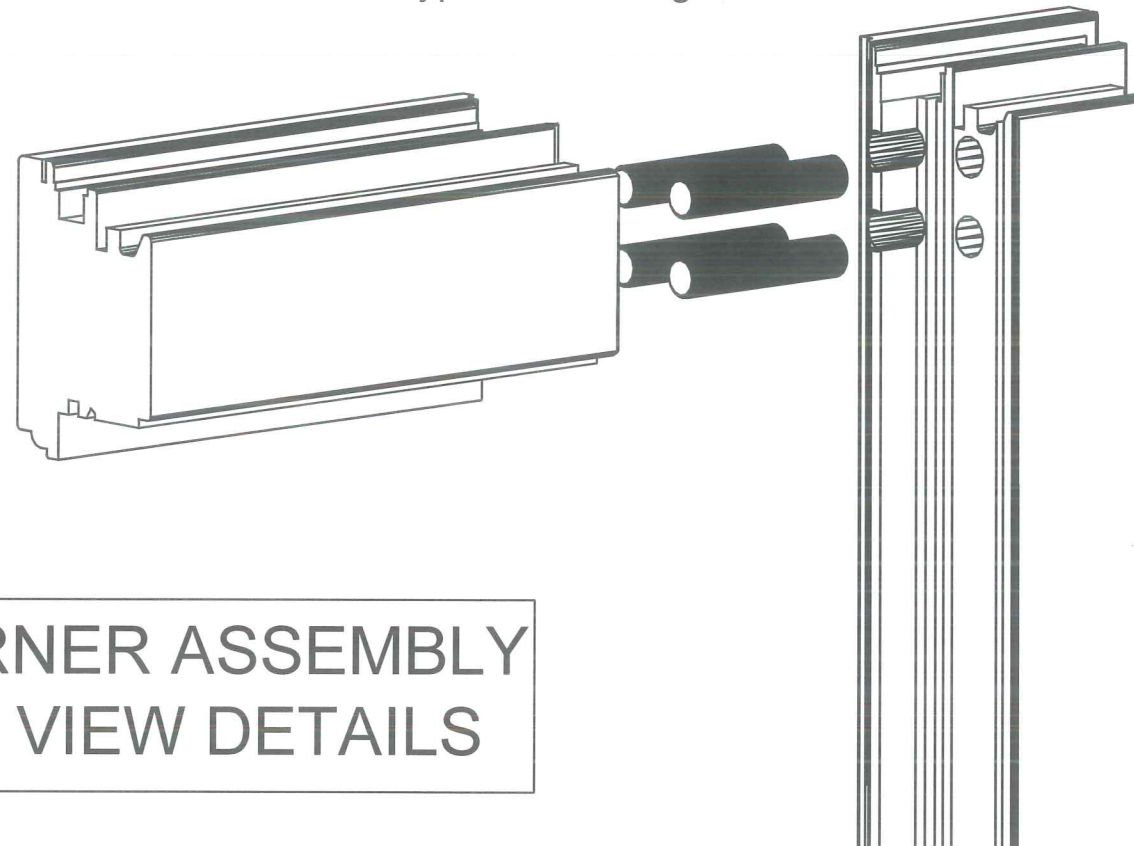
APR 12 2016





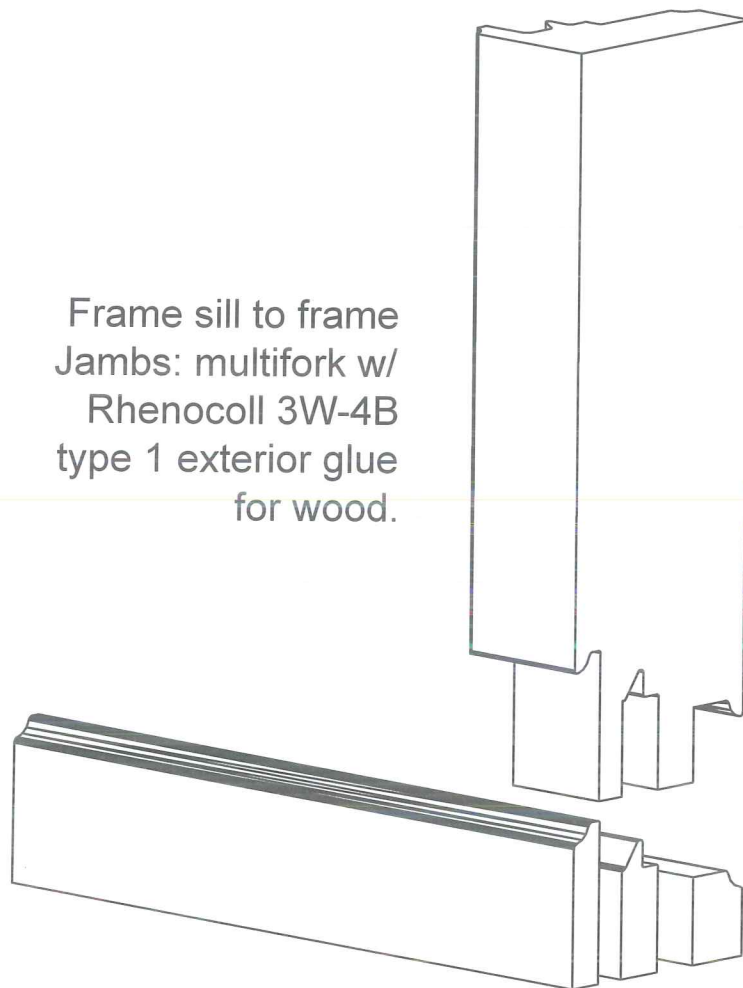
Finger Joints
assembly for
full arched
members; Glue:
Rhenocoll
3W-4B type 1
exterior glue for
wood.

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.

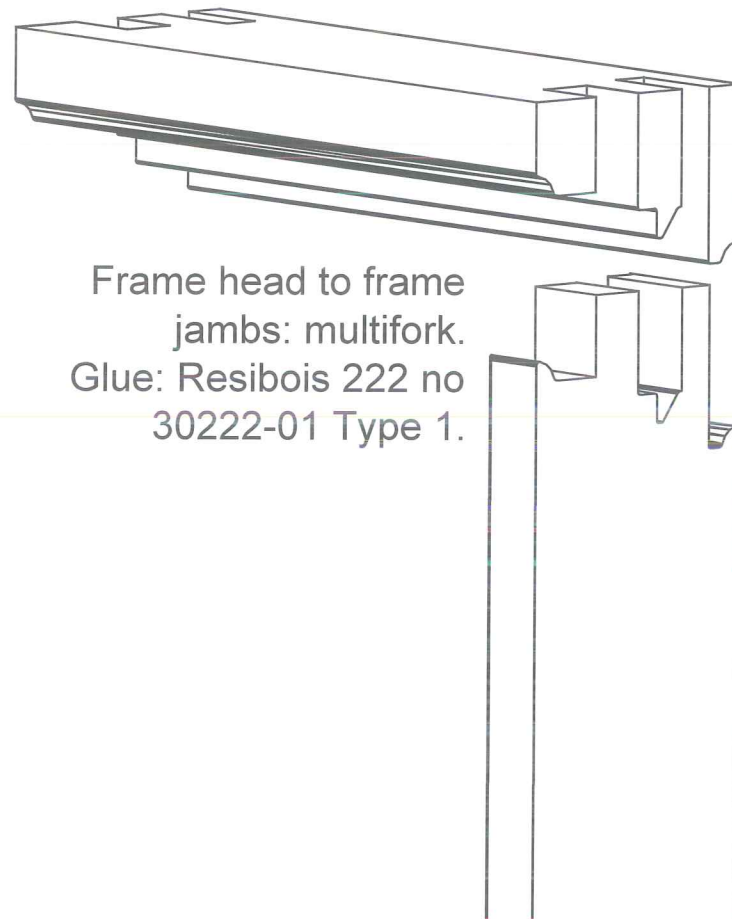


CORNER ASSEMBLY 3D VIEW DETAILS

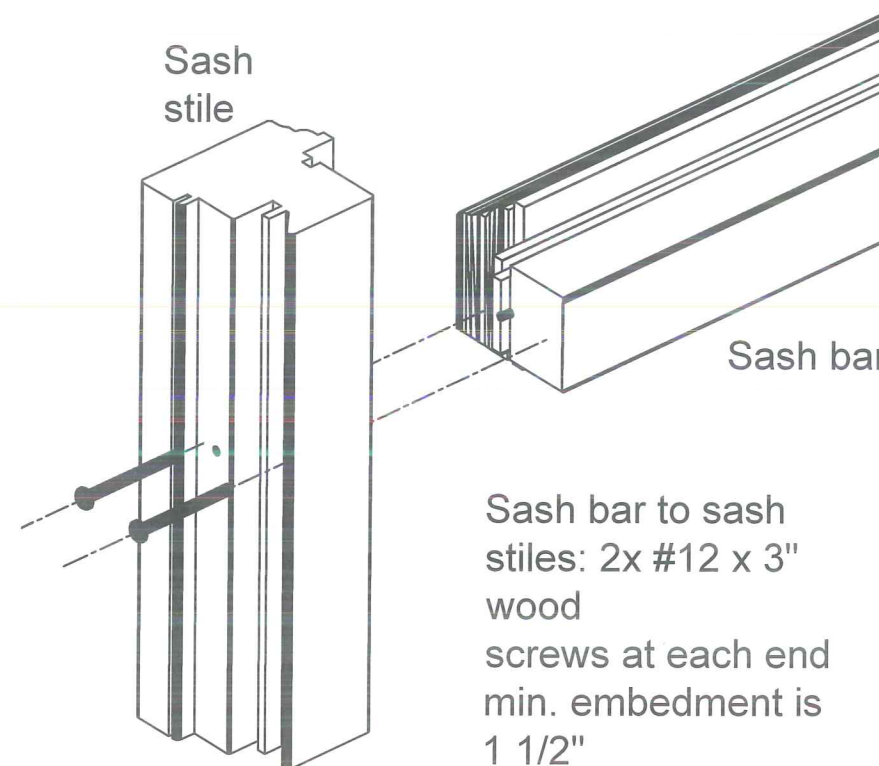
Frame sill to frame
Jambs: multifork w/
Rhenocoll 3W-4B
type 1 exterior glue
for wood.



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



Sash
stile



Sash bar

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



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

JS SERIE
OUTSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-3-OUT

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 01/17/11

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

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