



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA

PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**NOTICE OF ACCEPTANCE (NOA)**

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

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Series "JS-IN Inward, Shaped, Mahogany" Wood Fixed Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **JS-2-IN**, titled "JS Series Wood Fixed Windows Sash Inward" Sheets 01 through 12 of 12, dated 01/10/99, with revision dated 04/26/16, prepared by manufacturer, signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with **M.Q. Windows, Inc.** or MFR.'s logo, **Ste.-Agathe des Monts, Quebec, Canada**, series, 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 **NOA No. 15-0928.17** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P. E.**



*Handwritten signature and date: 5/25/16*

**NOA No. 15-0928.17**

**Expiration Date: March 01, 2019**

**Approval Date: June 02, 2016**

**Page 1**

M. Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 99-1228.03)*
2. Drawing No. JS-2-IN, titled "JS Series Wood Fixed Windows Sash Inward" Sheets 01 through 12 of 12, dated 01/10/99, with revision dated 04/26/16, prepared by manufacturer, signed and sealed by Scott Wolters, P. E.

**B. TESTS**

1. Test report on: 1) Air Infiltration Test, per FBC, TAS 202-94  
For 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
Verification 3) Water Resistance Test, per FBC, TAS 202-94  
Purposes 4) Large Missile Impact Test per FBC, TAS 201-94  
Only 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a wood fixed window, prepared by Intertek Testing Services N.A., Ltd., Test Report No. ITS-101071699COQ-003B, dated 06/17/14, signed by Frederick B. Curkeet, P. E.  
*(Submitted under previous NOA No. 14-0305.01)*
2. 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  
**(Approved for HJ435 sill only, all other sills NOT approved for water infiltration)**  
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 marked-up drawings and installation diagram of a wood fixed window, prepared by Hurricane Testing Laboratories, Inc., Test Reports No.'s HTL-0118-1006-98 (Sp#4, TAS-201/203), HTL-0118-1103-98 (Sp#1 & Sp#2, TAS-202) and (Sp#5, TAS-201, 202, 203), HTL-0118-1298-98 (Sp#6, # 7 TAS-201/ 203) and HTL-0118-1218-98 (Sp#6 TAS-201/ 203), dated 10/15/98 thru 07/06/99, signed and sealed by Timothy S. Marshall, P. E.  
*(Submitted under previous NOA No. 99-1228.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2014, dated 05/19/16, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E.
2. **Glazing complies with ASTM E1300-04**

  
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Jorge M. Plasencia, P. E.  
Product Control Unit Supervisor  
NOA No. 15-0928.17  
Expiration Date: March 01, 2019  
Approval Date: June 02, 2016

**M. Q. Windows, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0423.17** issued to Eastman Chemical Company (MA) dba Solutia, Inc. for their "**Saflex Clear and Color Glass Interlayers**" dated 04/01/13, expiring on 05/21/16.

**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and complying with **FBC-2014**, dated 06/24/15, signed and sealed by Scott Wolters, P. E.
2. Distributor Agreement between MQ Windows, Canada and MQ Windows Inc., Dania, Florida, USA, dated 11/30/12, signed by Gilles Morin, president, respectively.  
*(Submitted under previous NOA No. 12-0221.03)*
3. Addendum letters for Test Reports No.'s **HTL-0118-1006-98** and **HTL-0118-1103-98**, both issued by Hurricane Test Laboratory, Inc., dated 04/27/00, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 99-1228.03)*
4. Laboratory compliance letter for Test Reports No.'s **HTL-0118-1006-98**, **HTL-0118-1103-98**, **HTL-0118-1298-98** and **HTL-0118-1218-98**, issued by Hurricane Test Laboratory, Inc., dated 03/01/99, signed and sealed by Timothy S. Marshall, P. E.  
*(Submitted under previous NOA No. 99-1228.03)*

**G. OTHERS**

1. Notice of Acceptance No. 14-0305.01, issued to M. Q. Windows, Inc. for their Series "**JS-IN Shaped Inward Mahogany Wood Fixed Window - L.M.I.**", approved on 08/07/14 and expiring on 03/01/19.

  
\_\_\_\_\_  
Jorge M. Plasencia, P. E.  
Product Control Unit Supervisor  
NOA No. 15-0928.17  
Expiration Date: March 01, 2019  
Approval Date: June 02, 2016

# RECTANGULAR FIXED UNITS

CONFIGURATIONS: O

## 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. WOOD BUCKS MUST BE ADEQUATELY FASTENED TO TRANSFER LOADS FROM THE WINDOW FRAMES TO THE MAIN STRUCTURE.

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

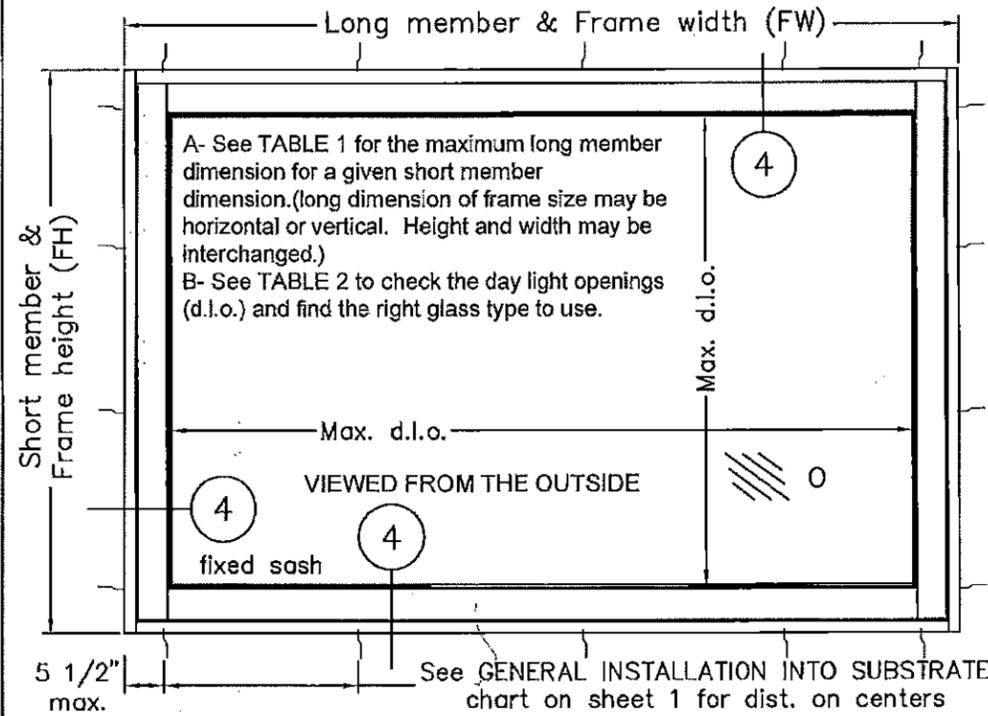
5- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE WAS NOT USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF Cd = 1.6 WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES. WOOD: Mahogany (See Note on Sheet 9)

Information on this page applies to cross sections 1 & 20 (sash "inward") ONLY

Frame Size vs d.l.o. relation is:  
 Long d.l.o.= long frame dimension - 9"  
 Short d.l.o.=short Frame dimension- 9"

DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure -68 psf
NOTE: Refer to table 1 for minimum and maximum sizes width (FW) & height (FH)

NOTE:  
See section 4 on pages 6 & 7.



**TABLE 2**  
GLASS TYPES FOR FRAME DIMENSIONS OF TABLE 1 OR FOR BASIC RECTANGLES GIVEN ON SHEETS 2, 3, 4 AND 5 OF THIS DRAWING

If, for a given long member d.l.o., the actual short member daylight opening exceeds the maximum dimension indicated on table 2, then

TYPE 2 heat strengthened laminated glass  
 [3/16" HS - .09" PVB interlayer, Saflex IIIIG by Solutia - 3/16" HS]  
 OR TYPE 3 full tempered laminated glass  
 [3/16" FT - .09" PVB interlayer, Saflex IIIIG by Solutia - 3/16" FT]  
 MUST BE USED

Maximum daylight opening for type 1 laminated glass [3/16" AN - .09" PVB interlayer, Saflex IIIIG* by Solutia - 3/16" HS]			
Given Long member d.l.o. up to (in.)	Max. short member d.l.o. (in.)	Given Long member d.l.o. up to (in.)	Max. short member d.l.o. (in.)
47 1/4	47.244	90 1/2	28.150
51	41.339	94 1/2	27.953
55	38.386	98 1/2	27.559
59	36.220	102 1/4	27.362
63	34.055	106 1/4	26.969
66	32.480	110 1/4	26.772
70 3/4	31.496	114	26.575
74 3/4	30.512	118	26.378
78 3/4	29.528	122	26.220
82 1/2	28.937	126	26.102
86 1/2	28.543	130	25.984

Saflex IIIIG\* is manufactured by Eastman Chemical; per NOA# 15-1201.11

**GENERAL INSTALLATION INTO SUBSTRATE**

Using PDF-FS-05/D Inst. Bracket

Fastener	Into 2x wood buck (S.G.=0.5 min)	Into Concrete (2846 psi min)
(1) 1/4" x 2 3/4" Elco Ultracon masonry screw		max. o/c min. emb. 10 1/2" 1 1/4"
(2) #12 x 1 1/2" wood screw	max. o/c min. emb. 11" 1 1/4"	

**Direct Mount (At sill only)**

Fastener	Into 2x wood buck (S.G.=0.5 min)	Into Concrete (2846 psi min)
(1) 1/4" x 2 3/4" Elco Ultracon masonry screw		max. o/c min. emb. 6" 1 1/4"
(1) #14 x 2" wood screw	max. o/c min. emb. 4" 1 1/4"	

-Materials, but not limited to steel & steel screws that come in contact with other dissimilar materials shall meet the requirements of the 2014 Florida Building Code.

**TABLE 1**  
MAXIMUM SHORT & LONG FRAME DIMENSIONS FOR RECTANGULAR UNITS

GIVEN FRAME SHORT MEMBER dimension (in.) min - max.	MAX. FRAME LONG MEMBER dimension (in.) max.
35 - 40.00	139.000
34 - 41.49	134.000
33 - 43.10	129.000
32 - 44.04	124.000
31 - 44.56	119.000
30 - 45.17	114.000
29.68 - 45.375	112.375
0 - 45.38	112.374
0 - 46.00	108.167
0 - 47.00	102.447
0 - 48.00	97.783
0 - 49.00	93.927
0 - 50.00	90.703
0 - 51.00	87.983
0 - 52.00	85.672
0 - 53.00	83.695
0 - 54.00	81.997
0 - 55.00	80.533
0 - 56.00	79.267
0 - 60.00	75.690
0 - 64.00	73.719
0 - 68.00	72.747
0 - 70.00	72.526
0 - 72.00	72.440
0 - 72.438	72.438

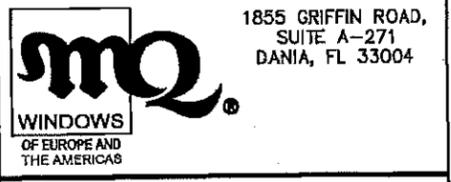
**GENERAL INSTALLATION NOTES**

All PDF-FS-05D Installation brackets screwed to the window frame using (2) #10 x 1" a.t. wood screws w/ 7/8" min. embedment.

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1.

Min. edge distance is 2 1/2" for concrete fasteners.

Shim Space: 3/8" MAX. @ head, jambs & sill. Use std shims behind as required.



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

**JS SERIES**  
**WOOD FIXED WINDOWS**  
**SASH INWARD**

Drawing no.: JS-2-IN

Scale: NONE Drawn by: S. Marcotte

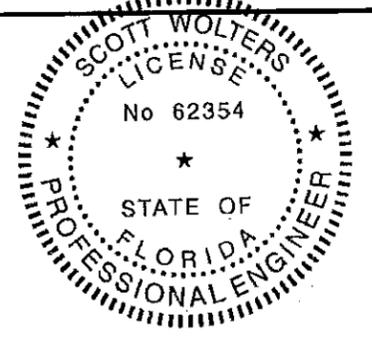
Date drawn: 01/10/99 Date revised: 04/26/16

File: JS-2-IN Page: 1 / 12

**STRUCTURALLY REVIEWED BY:**

*Scott Walters*  
SCOTT WALTERS  
FL PE# 62354

WALTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
MAY 19 2016



**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019

By *[Signature]*  
Miami-Dade Product Control

# RECTANGULAR FIXED UNITS

CONFIGURATIONS: O

MAX. FW & FH AS INDICATED

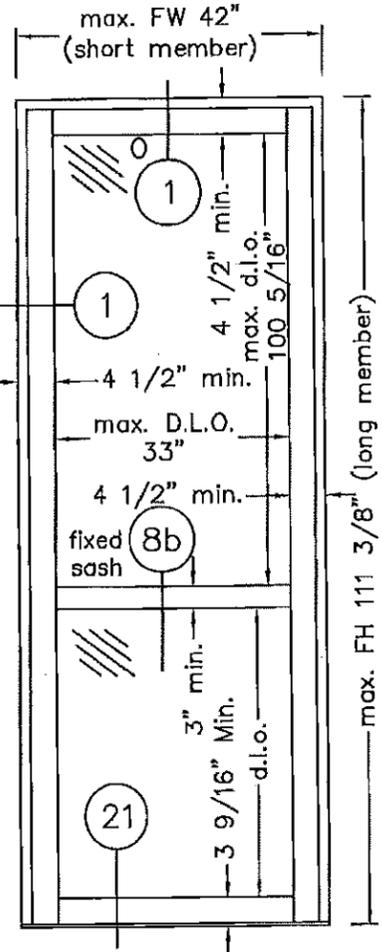
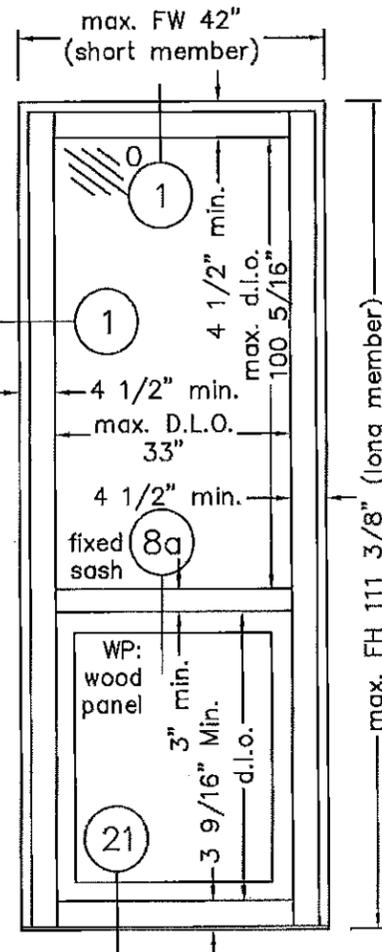
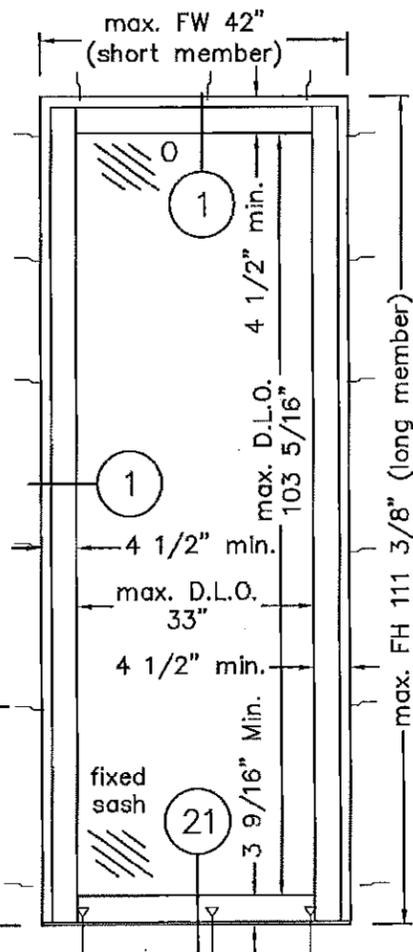
Information on this page applies to cross sections 1 & 21 (sash "inward")  
ALUMINUM THRESHOLD ONLY

VIEWED FROM THE INSIDE  
WOOD: Mahogany

DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure: -68 psf
maximum frame width (FW) and height (FH) as indicated NO SHUTTERS ARE REQUIRED.

See GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1 for dist. on centers

5 1/2" max.



TYPE OF GLASS: SINGLE, 15/32" LAMINATED

For sizes shown on table 2, sheet 11:  
TYPE 1, MADE OF:  
3/16"(AN)-0.090" PVB Saflex IIIIG interlayer by Eastman Chemical-3/16"(HS)  
For sizes over those on table 2:  
TYPE 2, MADE OF:  
3/16"(HS)-0.090" PVB Saflex IIIIG interlayer by Eastman Chemical-3/16"(HS)  
OR TYPE 3, MADE OF:  
3/16"(FT)-0.090" PVB Saflex IIIIG interlayer by Eastman Chemical-3/16"(FT)

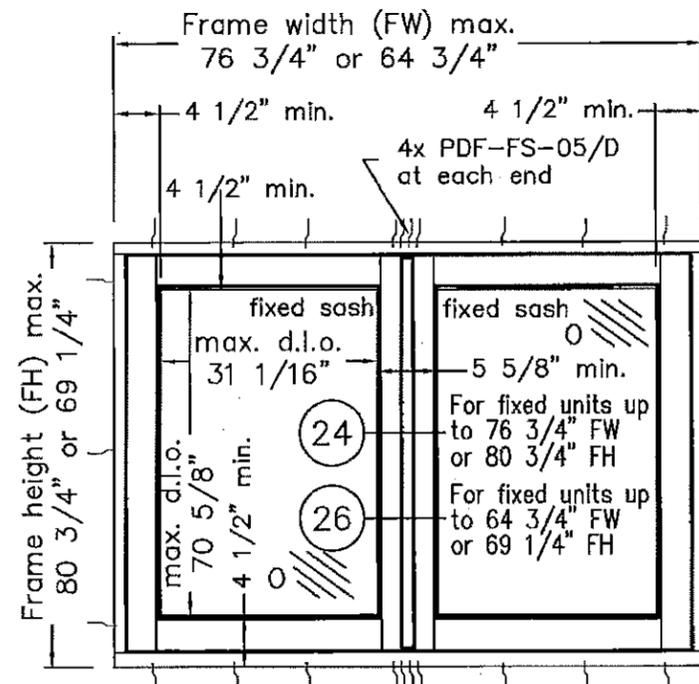
WP: 1 3/4" RAISED WOOD PANEL

Solid Mahogany, MAX. D.L.O. AREA: 7.81 sq. See detail on sheet 9

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1.

Shim Space: 3/8" MAX. @ head, jambs & sill. Use std shims behind as required. Use 4 x brackets at each end of an astragal meeting.

Min. edge distance is 2 1/2" for masonry fasteners.

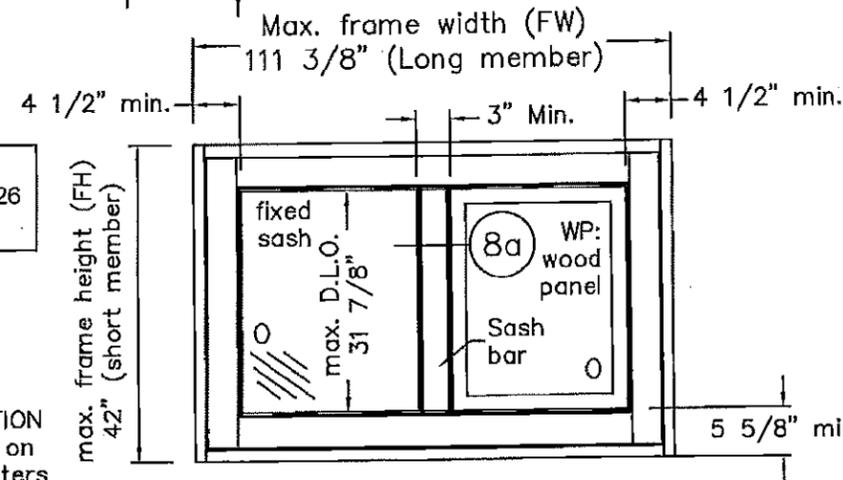


OPTIONAL: FIXED ASTRAGAL

NOTE:  
See sections 1, 8a, 8b, 21, 24 and 26 on pages 6 & 7 respectively.

See GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1 for dist. on centers

5 1/2" max.



OPTIONAL: SASH BAR



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

## JS SERIES WOOD FIXED WINDOWS SASH INWARD

Drawing no.: JS-2-IN

Scale: NONE  
Drawn by: S. Marcotte

Date drawn: 01/10/99  
Date revised: 4/26/16

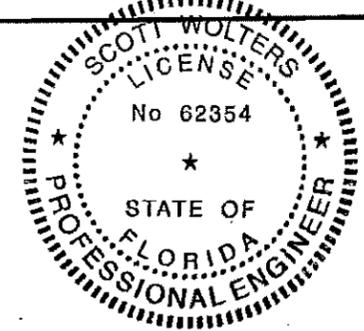
File: JS-2-IN  
Page: 2 / 12

STRUCTURALLY REVIEWED BY:

*Scott Walters*  
SCOTT WALTERS  
FL PE# 62354

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

MAY 19 2016



PRODUCT REVISED  
as complying with the Florida  
Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019

By *[Signature]*  
Miami-Dade Product Control

# TRIANGULAR FIXED SHAPES

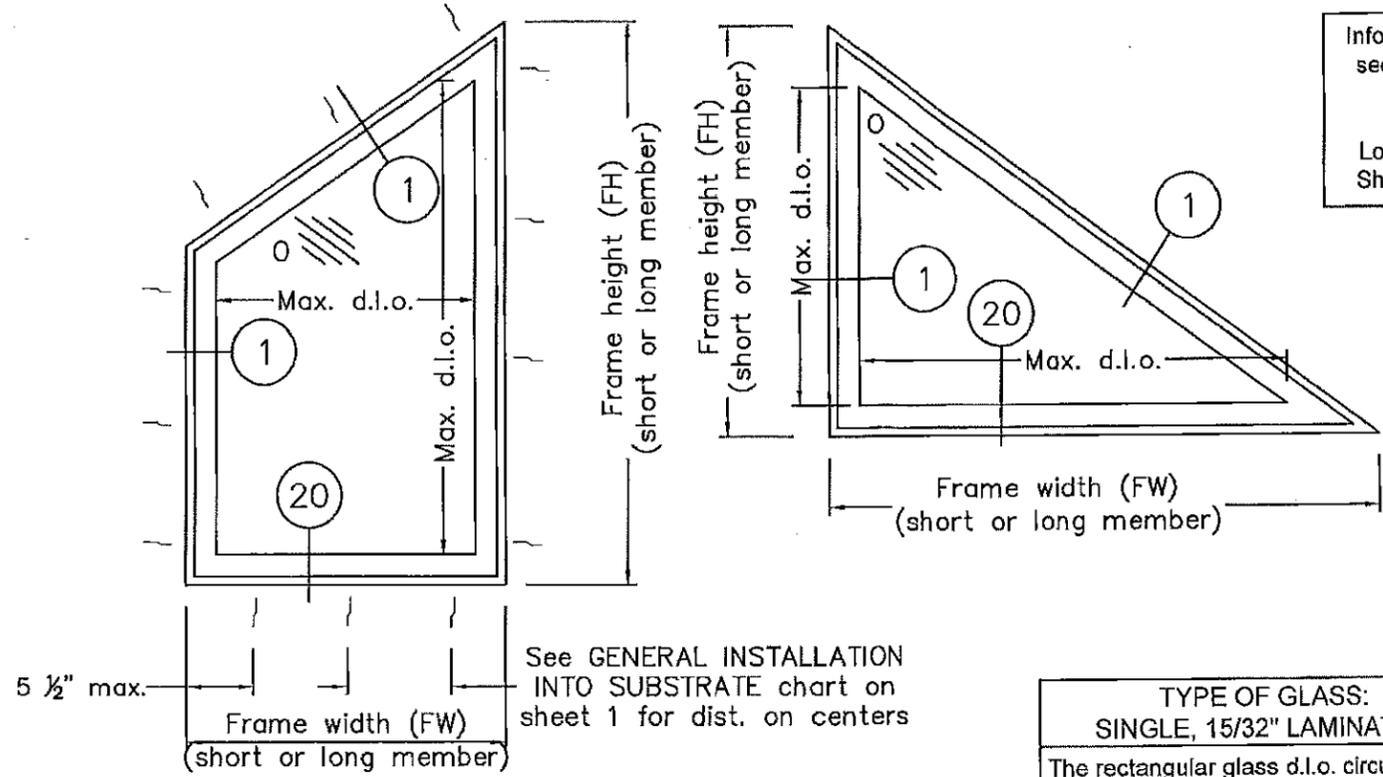
CONFIGURATIONS: O

VIEWED FROM THE INSIDE  
WOOD: Mahogany

DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure -68 psf
NOTE: Refer to basic rectangles for minimum and maximum sizes width (FW) & height (FH) NO SHUTTERS ARE REQUIRED.

TO DETERMINE THE MAX. FW AND FH:  
SHAPES ON THIS PAGE MUST BE INSCRIBED INTO ANY ONE OF THE FOLLOWING BASIC RECTANGLES

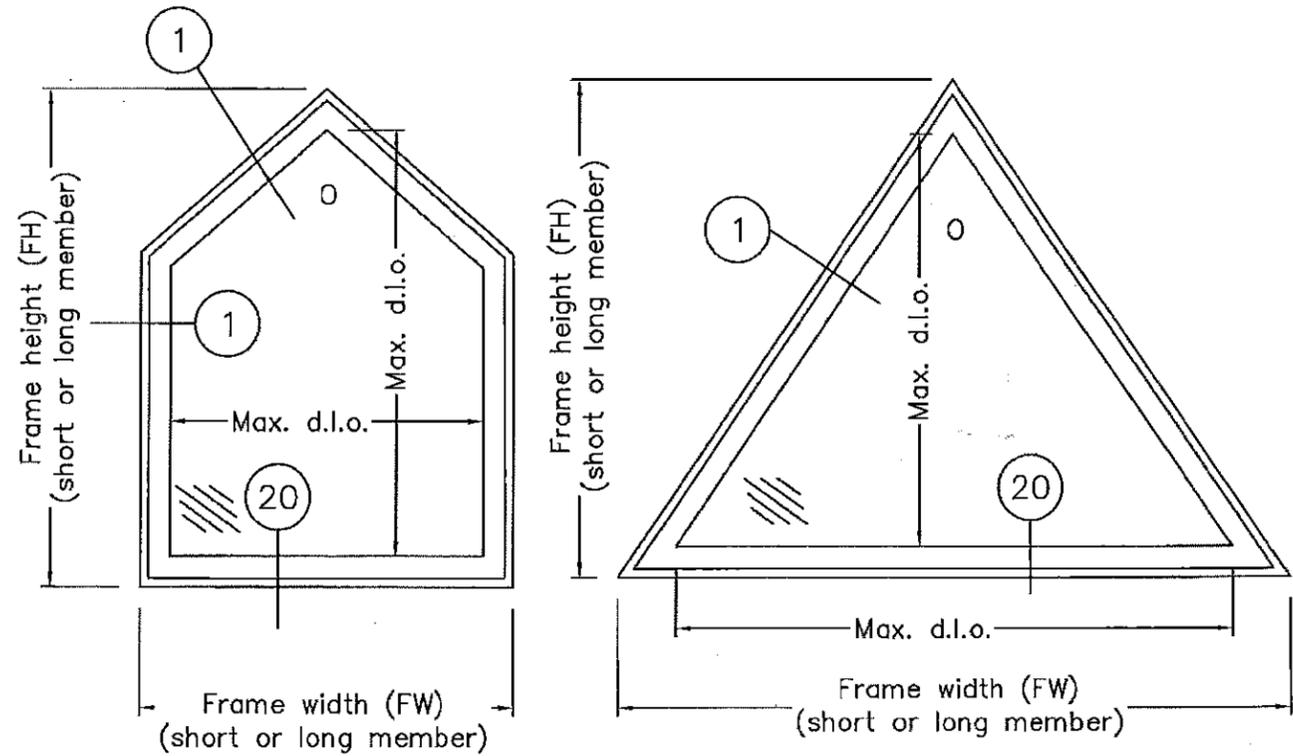
42" (FW) x 111 3/8" (FH)
111 3/8" (FW) x 42" (FH)
72 7/16" (FW) x 72 7/16" (FH)



Information on this page applies to cross sections 1 & 20 (sash "inward") ONLY

Frame Size vs d.l.o. relation is:  
Long d.l.o.= long frame dimension - 9"  
Short d.l.o.=short Frame dimension- 9"

NOTE:  
See sections 1 and 20 on pages 6 & 7 respectively.



TYPE OF GLASS:
SINGLE, 15/32" LAMINATED
The rectangular glass d.l.o. circumscribing the shaped unit must be taken and checked into table 2, sheet 11/12
For sizes shown on table 2, sheet 11: TYPE 1, MADE OF: 3/16" (AN) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical-3/16"(HS)
For sizes over those on table 2: TYPE 2, MADE OF: 3/16"(HS) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical -3/16"(HS)
OR TYPE 3, MADE OF: 3/16" (FT) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical -3/16"(FT)
WP: 1 3/4" RAISED WOOD PANEL
Solid Mahogany, MAX. D.L.O. AREA: 7.81 sqf. See detail on sheet 9

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1.

Shim Space: 3/8" MAX. @ head, jambs & sill. Use std shims behind as required.

Min. edge distance is 2 1/2" for masonry fasteners.

**mq**  
WINDOWS  
OF EUROPE AND THE AMERICAS

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

## JS SERIES WOOD FIXED WINDOWS SASH INWARD

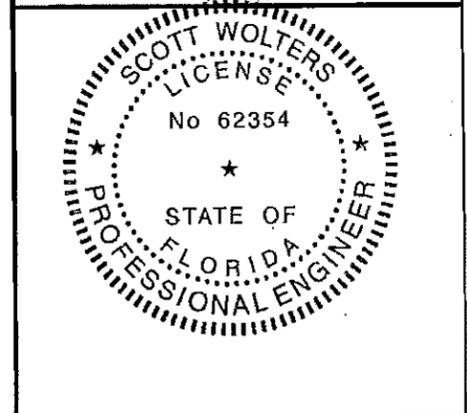
Drawing no.: JS-2-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 4/26/16
File: JS-2-IN	Page: 3/ 12

STRUCTURALLY REVIEWED BY:

*Scott Walters*  
SCOTT WALTERS  
FL PE# 62354

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

MAY 19 2016



**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019

By *[Signature]*  
Miami-Dade Product Control

# ARCHED FIXED SHAPES

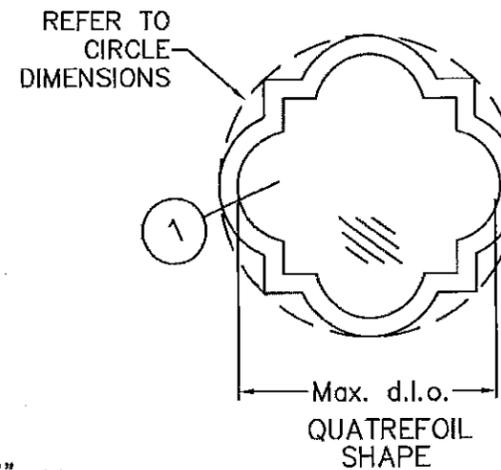
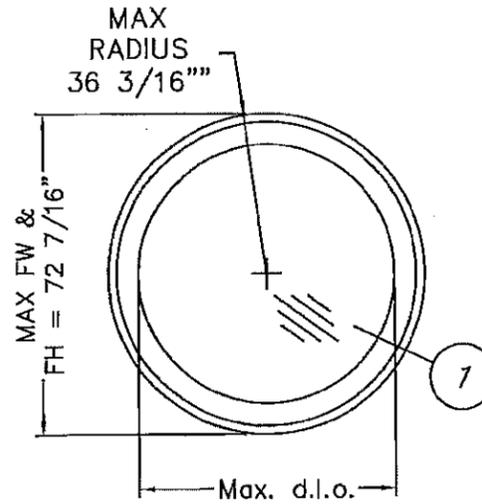
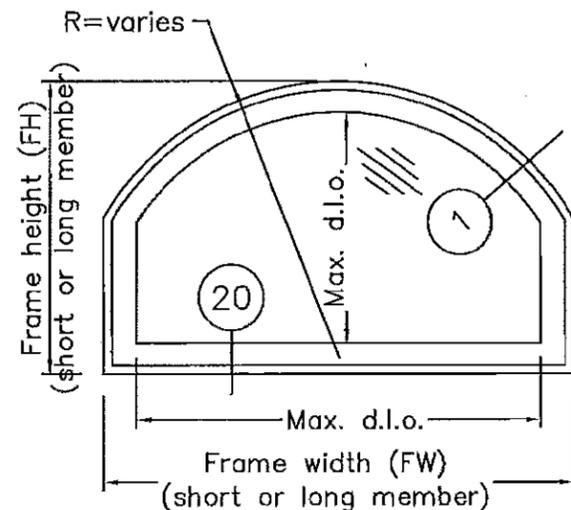
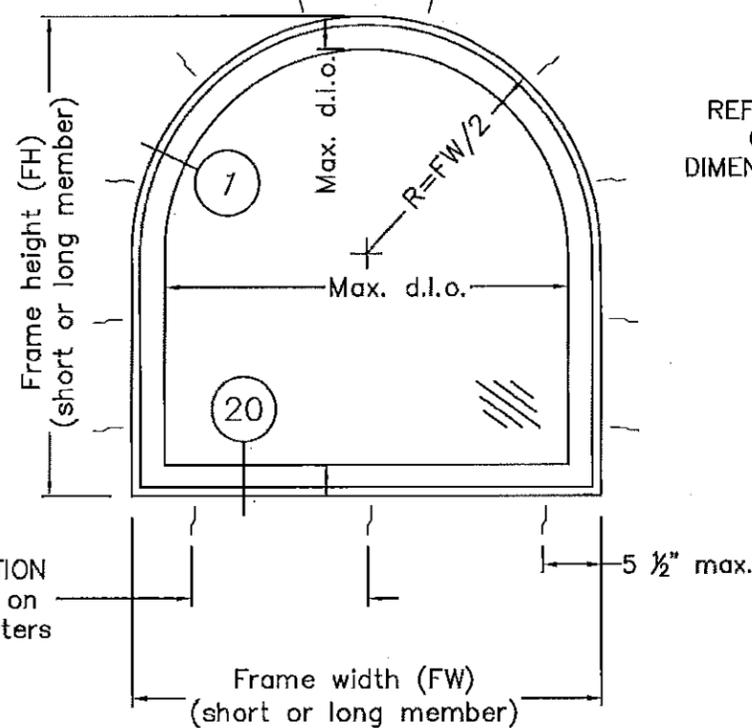
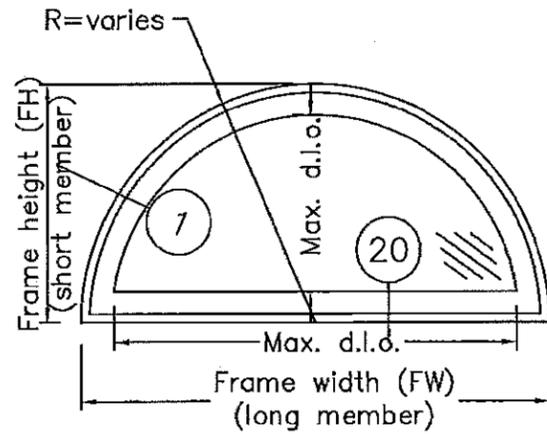
CONFIGURATIONS: O

VIEWED FROM THE INSIDE  
WOOD: Mahogany

DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure -68 psf
NOTE: Refer to basic rectangles for minimum and maximum sizes width (FW) & height (FH) NO SHUTTERS ARE REQUIRED.

TO DETERMINE THE MAX. FW AND FH: SHAPES ON THIS PAGE MUST BE INSCRIBED INTO ANY ONE OF THE FOLLOWING BASIC RECTANGLES
42" (FW) x 111 3/8" (FH)
111 3/8" (FW) x 42" (FH)
72 7/16" (FW) x 72 7/16" (FH)
76 3/4" (FW) x 58 1/2" (FH)

See GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1 for dist. on centers



TYPE OF GLASS:
SINGLE, 15/32" LAMINATED
The rectangular glass d.i.o. circumscribing the shaped unit must be taken and checked into table 2, sheet 11/12
For sizes shown on table 2, sheet 11:
TYPE 1, MADE OF: 3/16" (AN) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical-3/16"(HS)
For sizes over those on table 2:
TYPE 2, MADE OF: 3/16"(HS) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical -3/16"(HS)
OR
TYPE 3, MADE OF: 3/16" (FT) - 0.090" PVB Saflex IIIIG interlayer by Eastman Chemical -3/16"(FT)
WP: 1 3/4" RAISED WOOD PANEL
Solid Mahogany, MAX. D.L.O. AREA: 7.81 sqf. See detail on sheet 9

Information on this page applies to cross sections 1 & 20 (sash "inward") ONLY

Frame Size vs d.i.o. relation is:  
Long d.i.o.= long frame dimension - 9"  
Short d.i.o.=short Frame dimension- 9"

NOTE:  
See sections 1 and 20 on pages 6 & 7 respectively.

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1.

Shim Space: 3/8" MAX. @ head, jams & sill. Use std shims behind as required.

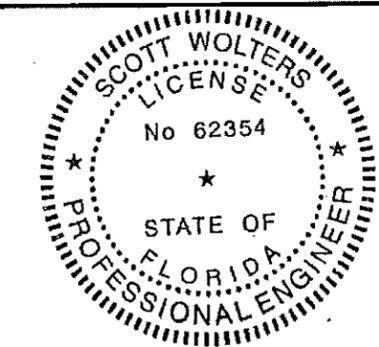
Min. edge distance is 2 1/2" for masonry fasteners.

## JS SERIES WOOD FIXED WINDOWS SASH INWARD

Drawing no.: JS-2-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 4/26/16
File: JS-2-IN	Page: 4 / 12

STRUCTURALLY REVIEWED BY:

*Scott Walters*  
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FL PE# 62354  
WALTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
MAY 19 2016



**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019

By *[Signature]*  
Miami-Dade Product Control

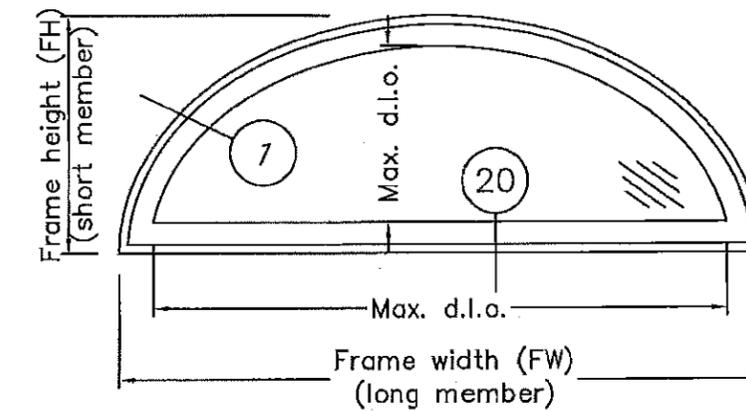
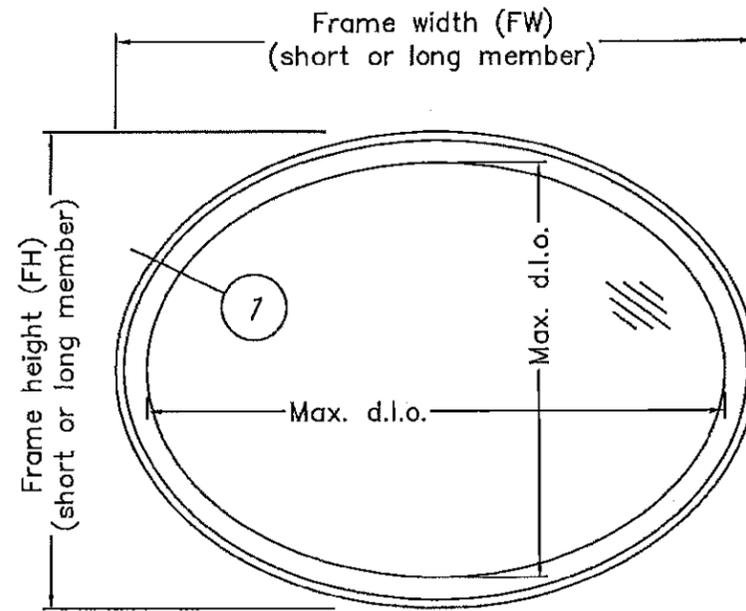
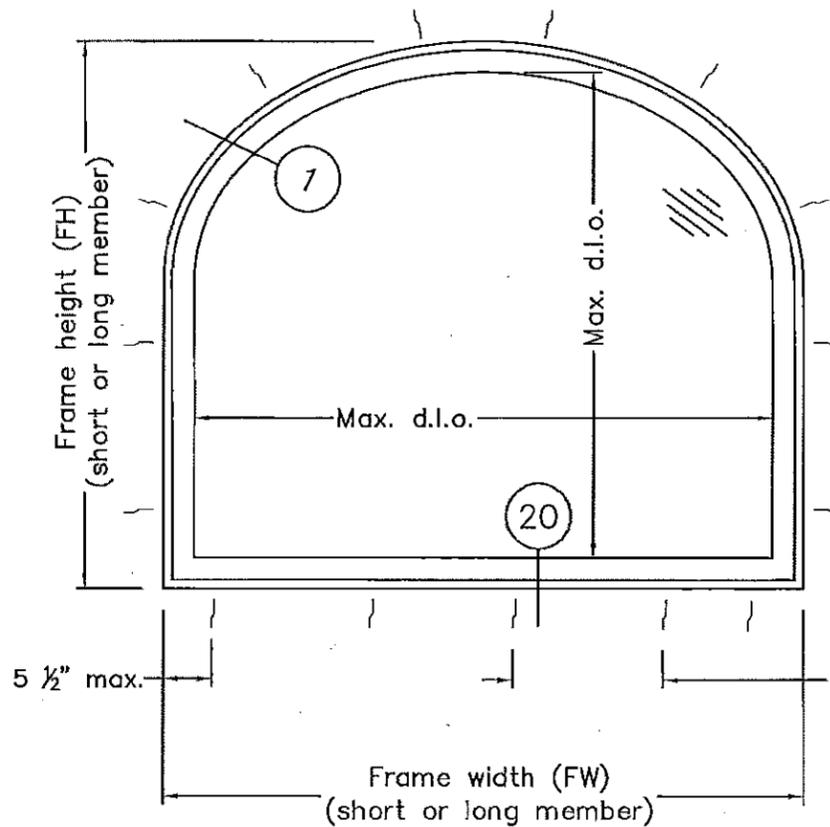
# OVAL FIXED SHAPES

CONFIGURATIONS: O

VIEWED FROM THE INSIDE  
WOOD: Mahogany

DESIGN PRESSURE
Positive Pressure: +58 psf Negative Pressure -68 psf
NOTE: Refer to basic rectangles for minimum and maximum sizes width (FW) & height (FH) NO SHUTTERS ARE REQUIRED.

TO DETERMINE THE MAX. FW AND FH: SHAPES ON THIS PAGE MUST BE INSCRIBED INTO ANY ONE OF THE FOLLOWING BASIC RECTANGLES
42" (FW) x 111 3/8" (FH)
111 3/8" (FW) x 42" (FH)
72 7/16" (FW) x 72 7/16" (FH)
76 3/4" (FW) x 58 1/2" (FH)



Information on this page applies to cross sections 1&20 (sash "inward" ) ONLY

Frame Size vs d.l.o. relation is:  
Long d.l.o.= long frame dimension - 9"  
Short d.l.o.=short Frame dimension- 9"

NOTE:  
See sections 1 and 20 on pages 6 & 7 respectively.

TYPE OF GLASS: SINGLE, 15/32" LAMINATED
The rectangular glass d.l.o. circumscribing the shaped unit must be taken and checked into table 2, sheet 11/12
For sizes shown on table 2, sheet 11: TYPE 1, MADE OF: 3/16" (AN) - 0.090" PVB Saflex III G interlayer by Eastman Chemical - 3/16"(HS)
For sizes over those on table 2: TYPE 2, MADE OF: 3/16"(HS) - 0.090" PVB Saflex III G interlayer by Eastman Chemical -3/16"(HS)
OR TYPE 3, MADE OF: 3/16" (FT) - 0.090" PVB Saflex III G interlayer by Eastman Chemical -3/16"(FT)
WP: 1 3/4" RAISED WOOD PANEL
Solid Mahogany, MAX. D.L.O. AREA: 7.81 sqf. See detail on sheet 9

Spacing: All fasteners spacing is 5 1/2" from corners and o/c as specified in GENERAL INSTALLATION INTO SUBSTRATE chart on sheet 1.

Shim Space: 3/8" MAX. @ head, jambs & sill. Use std shims behind as required.

Min. edge distance is 2 1/2" for masonry fasteners .

**mq**  
WINDOWS  
OF EUROPE AND THE AMERICAS

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

## JS SERIES WOOD FIXED WINDOWS SASH INWARD

Drawing no.:	JS-2-IN
Scale:	NONE
Drawn by:	S. Marcotte
Date drawn:	01/10/99
Date revised:	4/26/16
File:	JS-2-IN
Page:	5 / 12

STRUCTURALLY REVIEWED BY:

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WEST PALM BEACH, FL 33412

MAY 19 2016



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Expiration Date 03/01/2019

By *Scott Walters*  
Miami-Dade Product Control



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

### JS SERIES WOOD FIXED WINDOWS SASH INWARD

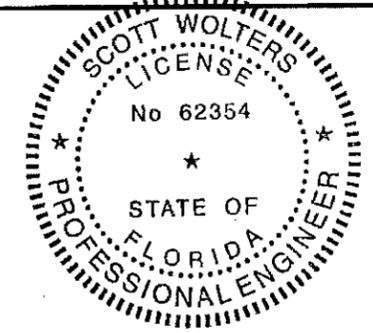
Drawing no.: JS-2-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 4/26/16
File: JS-2-IN	Page: 6 / 12

STRUCTURALLY REVIEWED BY:

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FL PE# 62354

WALTERS ENGINEERING, INC.  
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15211 97TH ROAD N  
WEST PALM BEACH, FL 33412

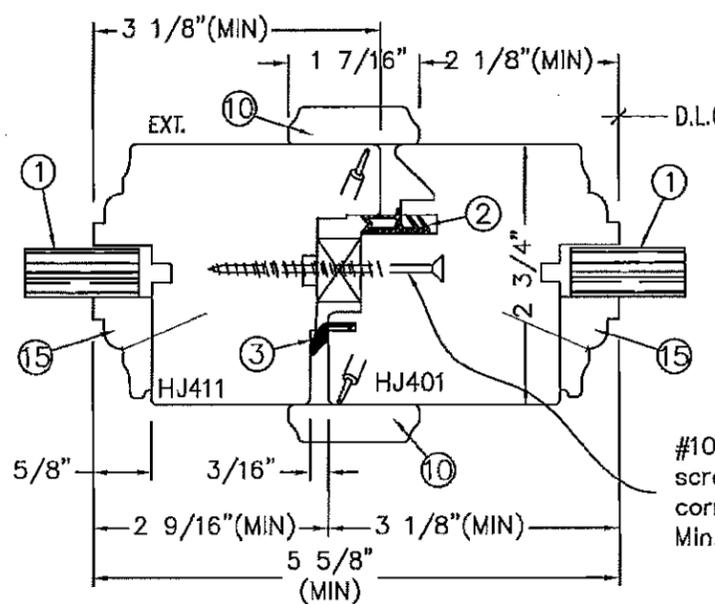
MAY 19 2016



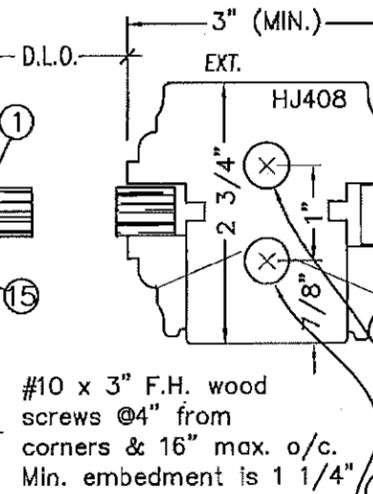
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NOA-No. **15-0928.17**  
Expiration Date **03/01/2019**

By *[Signature]*  
Miami-Dade Product Control

FOR WINDOWS UP TO  
64 3/4" FW OR 69 1/4" FH  
**FIXED ASTRAGAL**  
sash -inward



horizontal  
or vertical  
SASH BAR  
w/ wood panel  
(Optional)



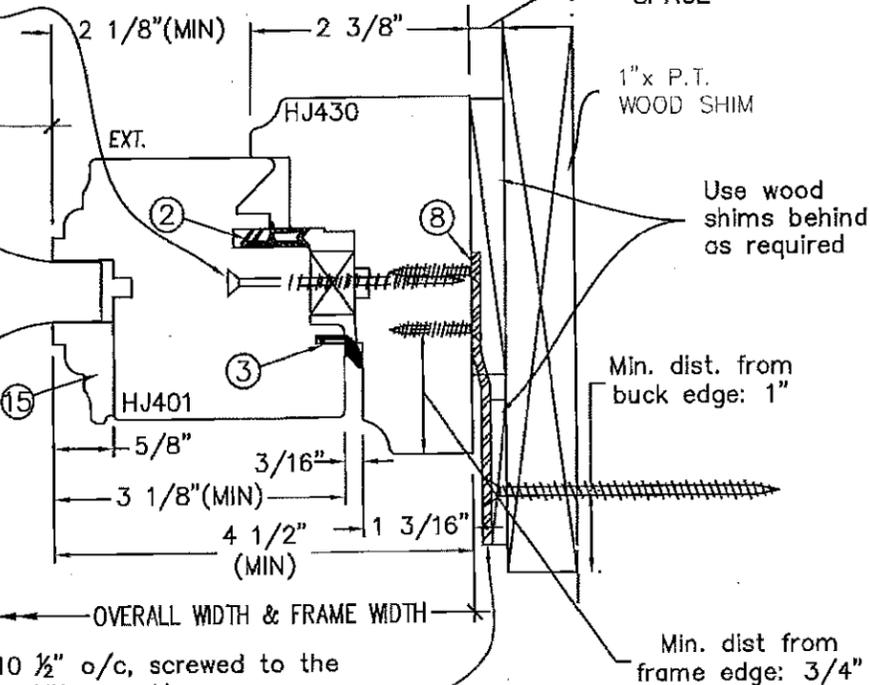
#10 x 3" F.H. wood  
screws @4" from  
corners & 16" max. o/c.  
Min. embedment is 1 1/4"

#10 x 3" F.H. wood  
screws @4" from  
corners & 16" max. o/c.  
Min. embedment is 1 1/4"

WOOD PANEL  
SHOWN (optional)  
2x #12 x 3" flat head  
wood screw at each end.  
Min. embedment is 1 1/2"

Installation bracket PDF-FS-05/D @ 10 1/2" o/c, screwed to the  
concrete using (1) 1/4" x 2 3/4" Elco Ultracon Masonry screw.  
Min. embedment is 1 1/4". Screwed to the unit frame using (2)  
#10 x 1" a.T. wood screws. Min. embedment is 7/8".

1 JAMB, sash inward  
(1x & INSTALLATION BRACKET)



MAX 3/8"  
SHIMS  
SPACE

1"x P.T.  
WOOD SHIM

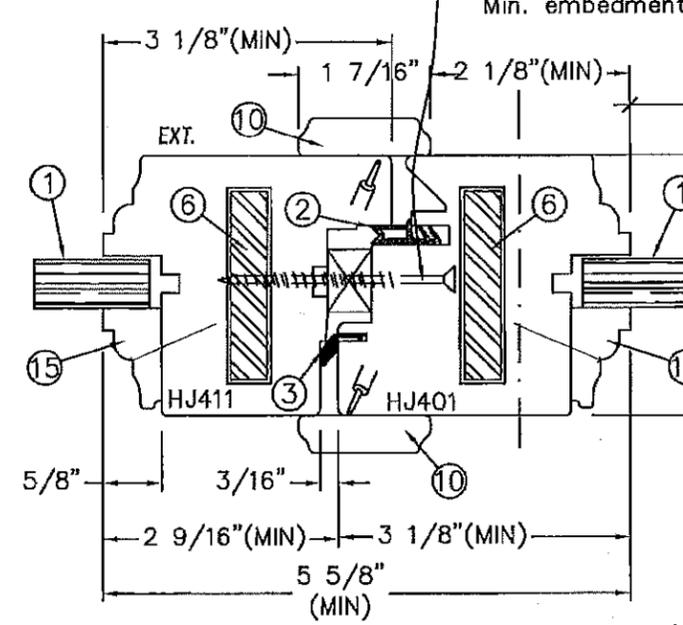
Use wood  
shims behind  
as required

Min. dist. from  
buck edge: 1"

Min. dist from  
frame edge: 3/4"

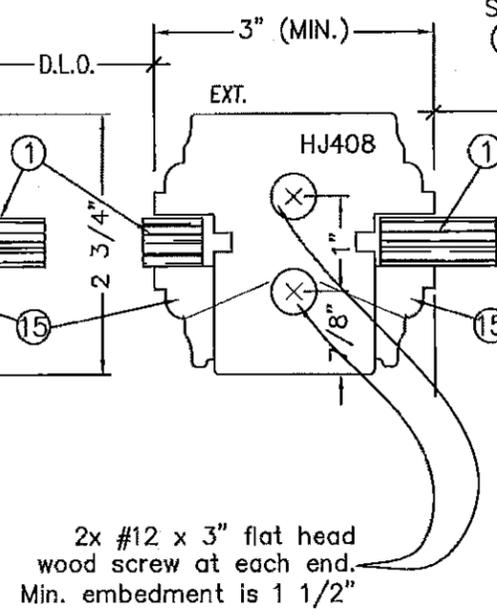
OVERALL WIDTH & FRAME WIDTH

FOR WINDOWS UP TO  
76 3/4" FW OR 80 3/4" FH  
**FIXED ASTRAGAL**  
sash inward



#10 x 3" F.H. wood  
screws @4" from  
corners & 16" max. o/c.  
Min. embedment is 1 1/4"

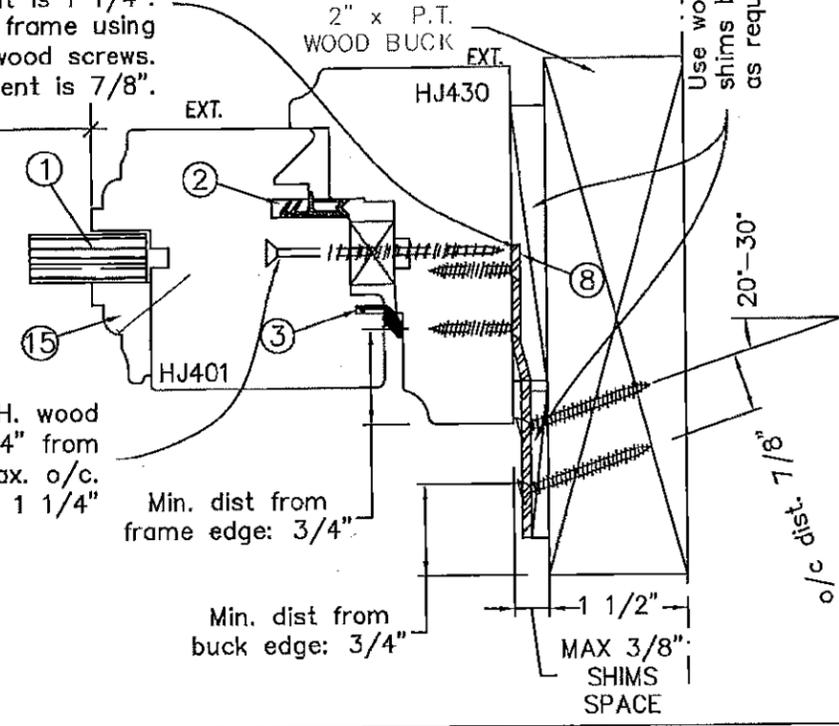
horizontal  
or vertical  
SASH BAR  
(Optional)



Installation bracket PDF-FS-05/D  
screwed @ max. 11" o/c, to  
the buck frame using (2) #12  
x 1 1/2" all threaded (a.T.) wood  
screws. Min. embedment is 1 1/4".  
Screwed to the unit frame using  
(2) #10 x 1" a.T. wood screws.  
Min. embedment is 7/8".

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

1 JAMB, sash -inward  
(2x & INSTALLATION BRACKET)



Use wood  
shims behind  
as required

Min. dist from  
frame edge: 3/4"

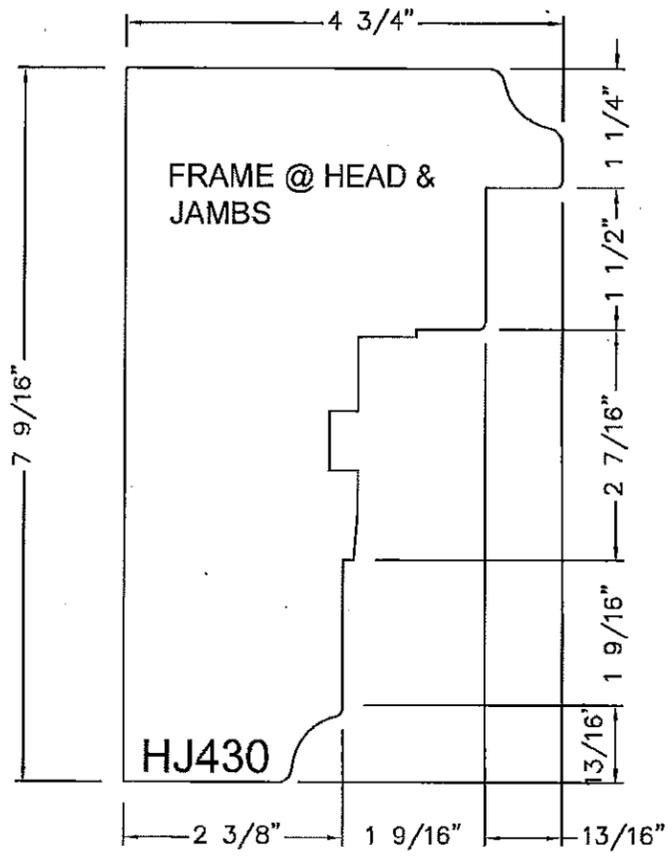
Min. dist from  
buck edge: 3/4"

MAX 3/8"  
SHIMS  
SPACE

20'-30'  
o/c dist. 7/8"

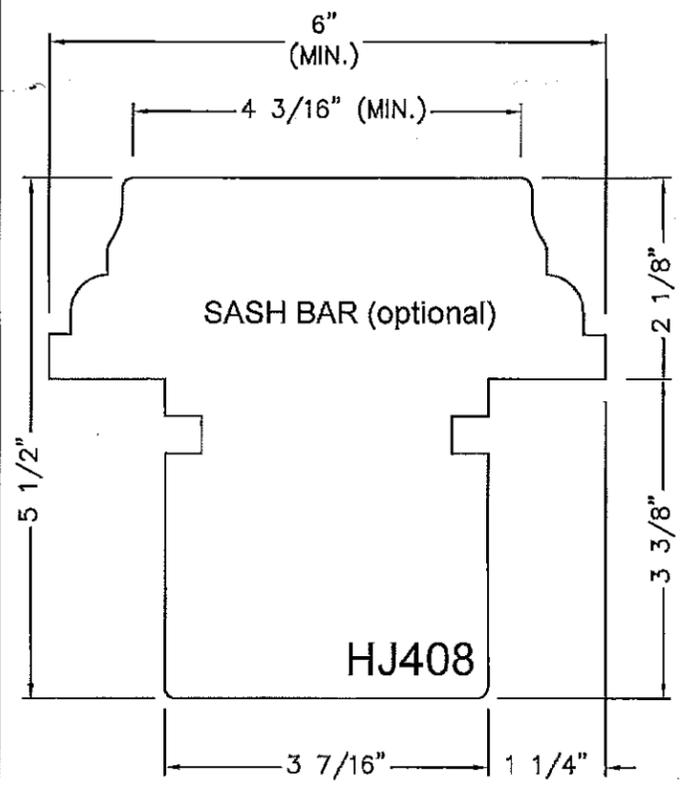
NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces # NUMBERS ARE REFERRING TO THE ASSEMBLY LISTS ON PAGES 9 TO 11





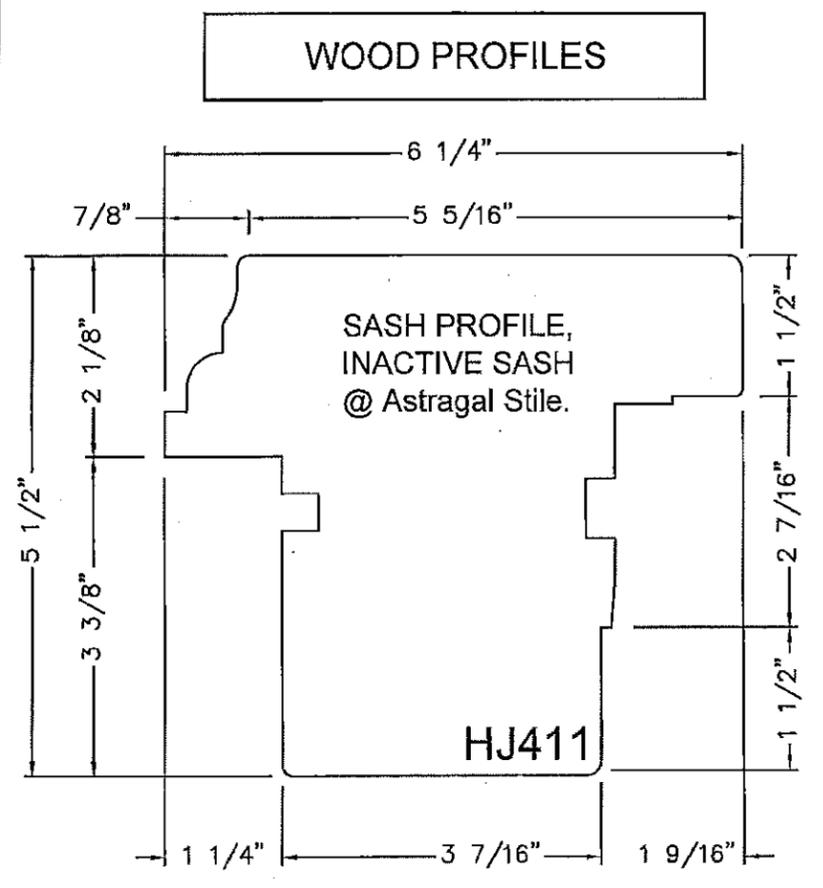
FRAME @ HEAD & JAMBS

HJ430



SASH BAR (optional)

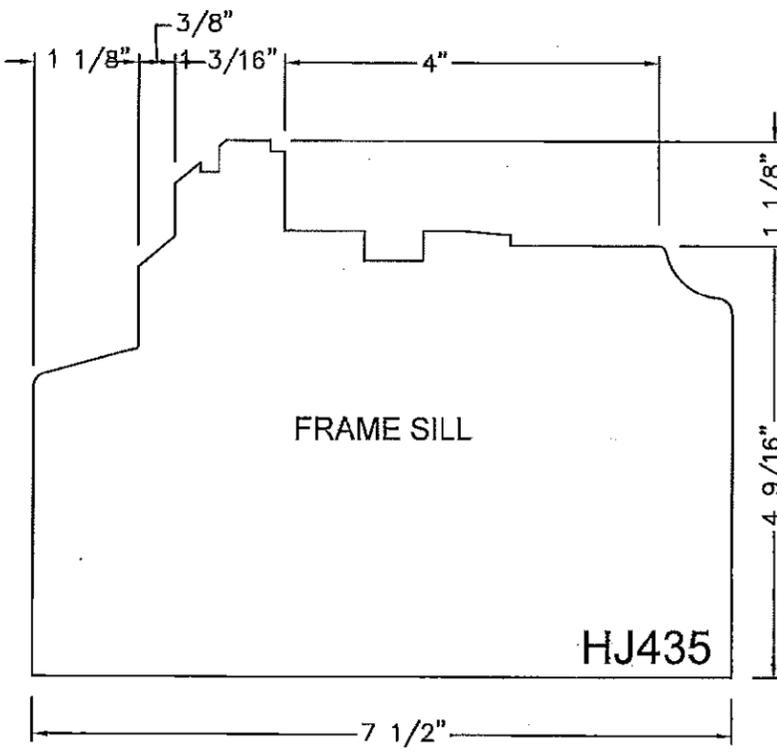
HJ408



WOOD PROFILES

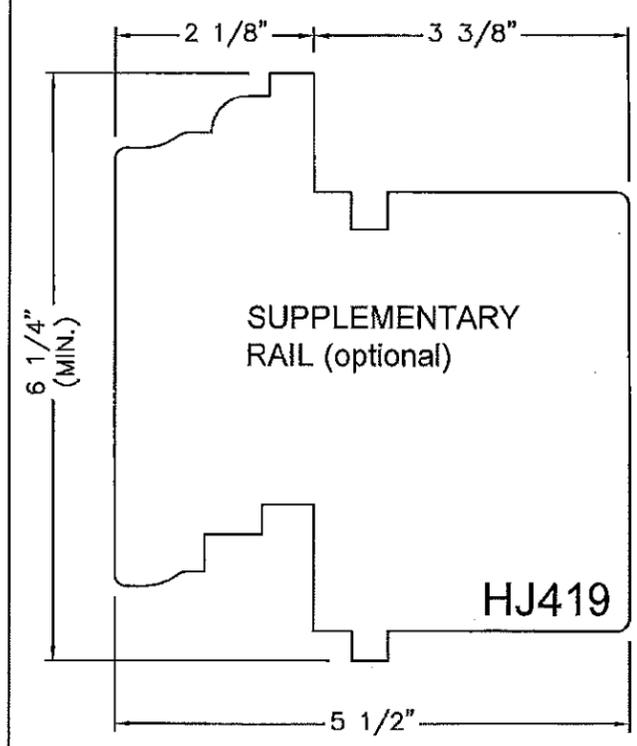
SASH PROFILE,  
INACTIVE SASH  
@ Astragal Stile.

HJ411



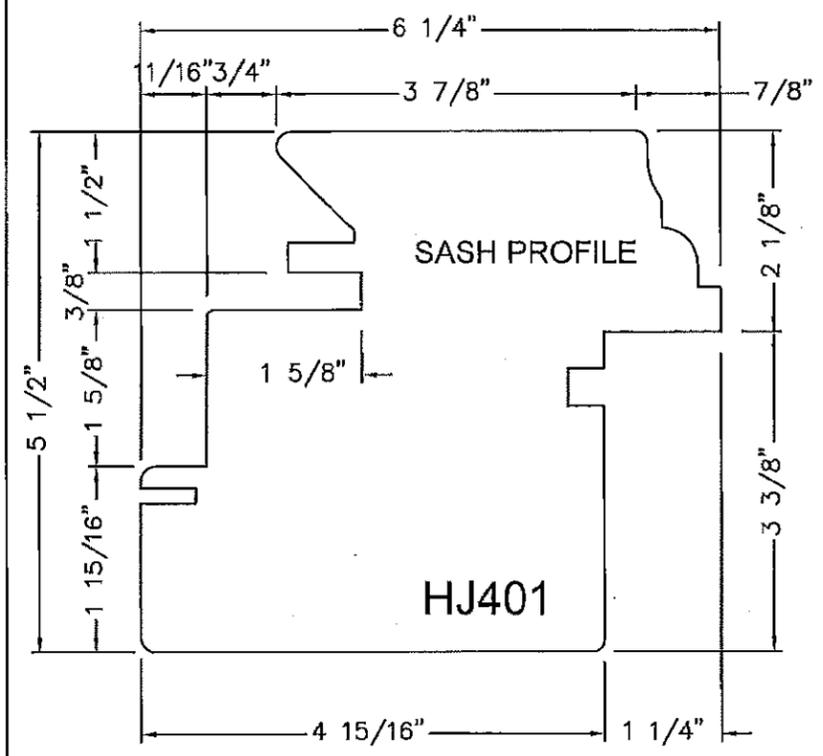
FRAME SILL

HJ435



SUPPLEMENTARY  
RAIL (optional)

HJ419



SASH PROFILE

HJ401

**mQ**  
WINDOWS  
OF EUROPE AND  
THE AMERICAS

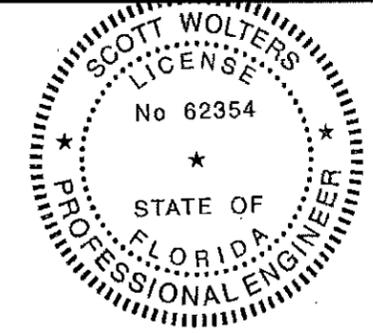
1855 GRIFFIN ROAD,  
SUITE A-271  
DANIA, FL 33004

**JS SERIES  
WOOD FIXED WINDOWS  
SASH INWARD**

Drawing no.: JS-2-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 4/26/16
File: JS-2-IN	Page: 8 / 12

STRUCTURALLY REVIEWED BY:

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WOLTERS ENGINEERING, INC.  
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15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
MAY 19 2016



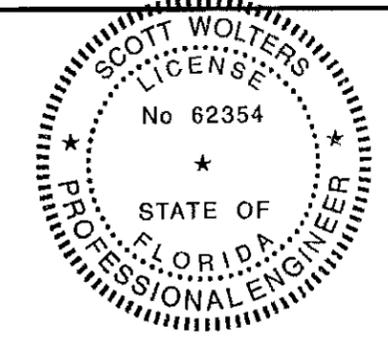
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019

By *[Signature]*  
Miami-Dade Product Control

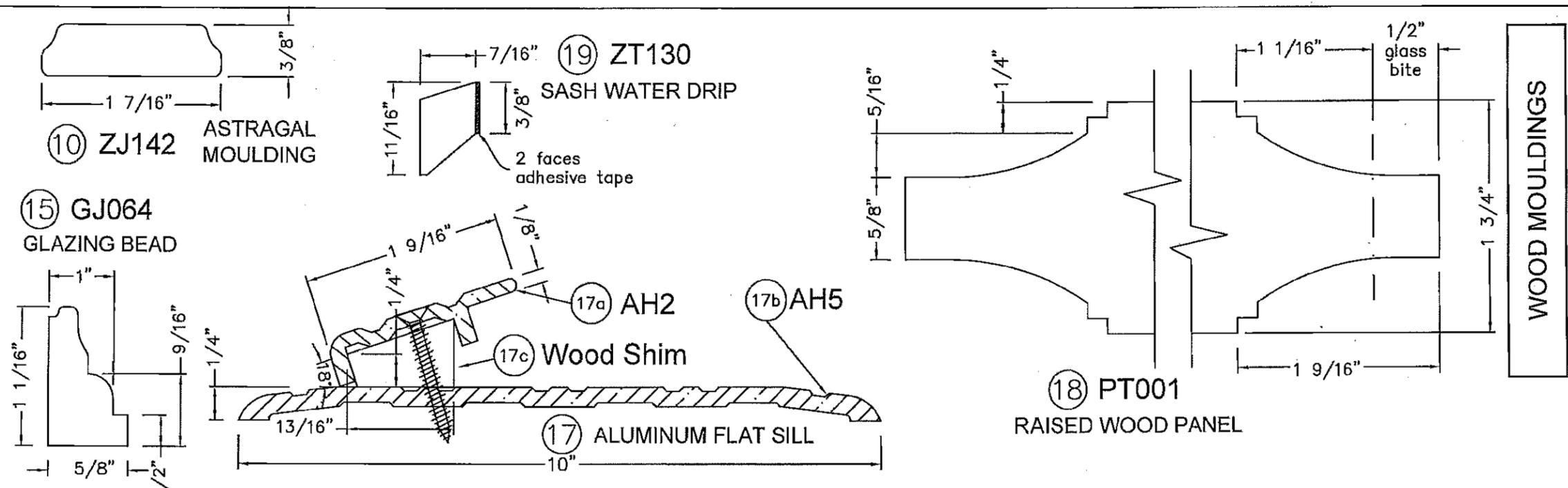
**JS SERIES  
 WOOD FIXED WINDOWS  
 SASH INWARD**

Drawing no.: JS-2-IN  
 Scale: NONE Drawn by: S. Marcotte  
 Date drawn: 01/10/99 Date revised: 4/26/16  
 File: JS-2-IN Page: 9 / 12

STRUCTURALLY REVIEWED BY:  
  
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 WEST PALM BEACH, FL 33412  
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 By   
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**BILL OF MATERIALS** (see also related cross sections details)

REF.	QTY	Component	DESCRIPTION	MATERIAL	DIMENSIONS	MEAN OF ATTACHMENT	LOCATION
⑩	2 per astragal meeting	Astragal moulding	ZJ142 astragal wood cover. Square cut at the ends.	Mahogany*	3/8"(d) x 1 7/16"(w) x sash height	18 gauge, 5/8" galvanized finishing nails spaced 16" o/c.	SASH OUTWARD: One nailed on the interior face of the passive sash & one nailed on the exterior face of the active sash.
⑮	1 per glass edge	Glazing bead	GJ064 wood profile, mitre cut at corners.	Mahogany*	1 1/16"(d) x 5/8"(w)	18 gauge, 1" finishing nails spaced 2" from the corners and 10" o/c	@ the perimeter of the glass or wood panel; Nailed through the glazing bead to the sash profile. SEE ALSO "GLAZING METHOD", sheet 11/12
⑰a	1 per door sill	Flat saddle	AH5 aluminum profile	Alu. alloy 6063-T5	1/4"(h) x 5"(d) x 1/8"(t)	2x #12 x 2" F.H. screw	Door frame sill. Screwed @ both ends into the unit frame jambs. Square cut @ ends. See "Aluminum flat sill assembly" on sheet 12 / 12
⑰b	1 per door sill	Stopper	AH2 aluminum profile	Alu. alloy 6063-T5	3/8"(h) x 1 9/16"(d) x 1/8"	#12 x 1 1/4" flat head screws	Door frame sill. Screws spacing is 14" o/c. Butt joint against the frame jambs @ both ends.
⑰c	1 per door sill	Shim	Continuous wood shim	Mahogany*	7/8"(d) x 11/16"(h)	See AH2 screw.	Door frame sill. Screws spacing is 14" o/c. Butt joint against the frame jambs @ both ends.
⑱	One	Wood panel	Raised wood panel: 5/8"(t) @ flanges, 1 3/4"(t) @ center.	Mahogany*	1" wider & higher than glass opening.	Dow Corning 995 structural silicone at the perimeter;	Where indicated as WP (WOOD PANEL) on elevations

\* Mahogany is Honduran Mahogany, with S.G.=0.45 (min) and E=1.4x10<sup>6</sup> psi (min).

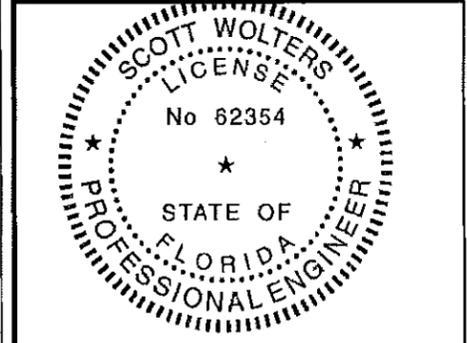
# REF. NUMBERS ARE RELATED TO THOSE USED ON CROSS SECTIONS DRAWINGS

 Clear "Spectrem 2" silicone sealant at shown interfaces

**JS SERIES  
WOOD FIXED WINDOWS  
SASH INWARD**

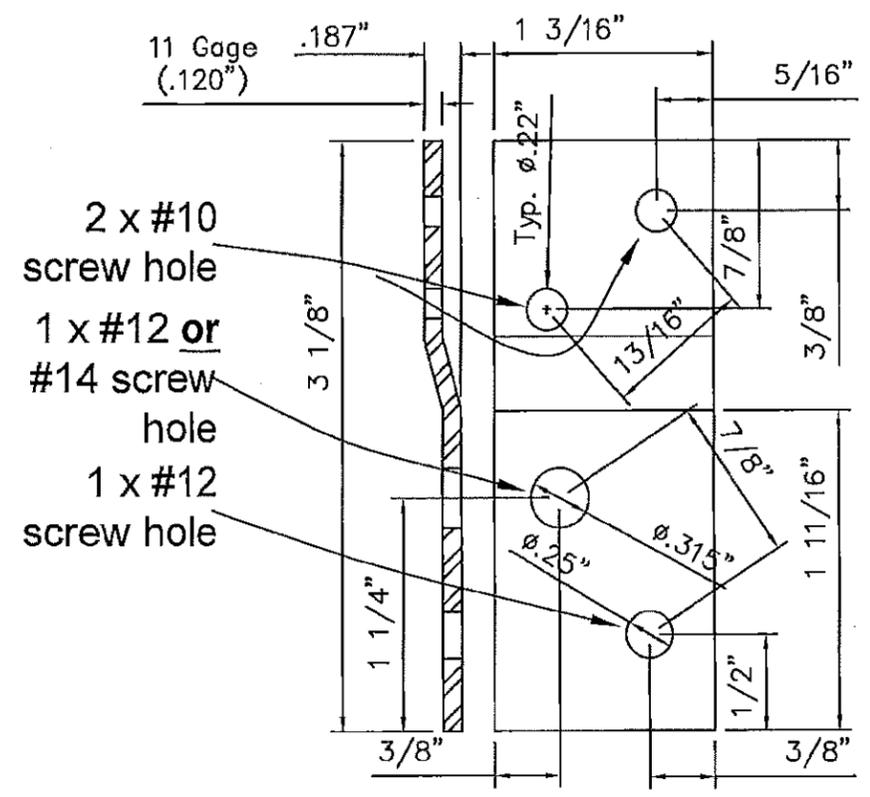
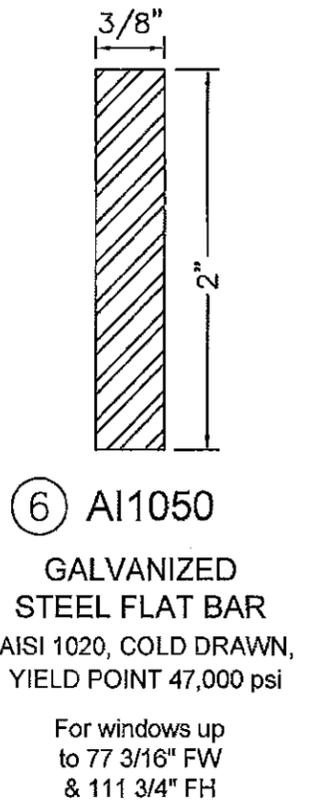
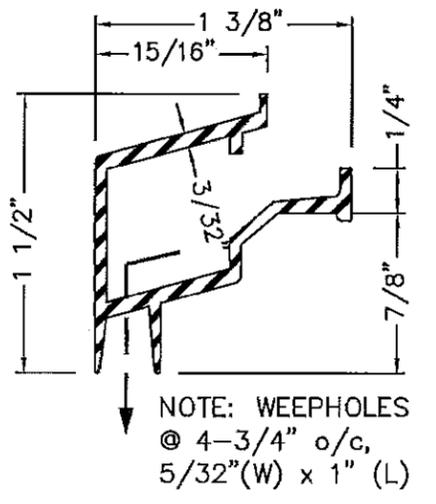
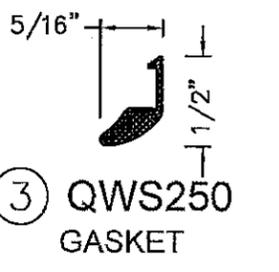
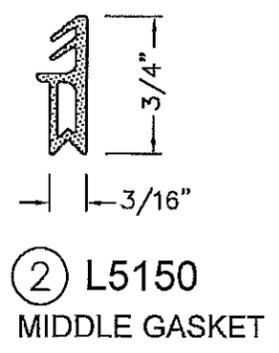
Drawing no.: JS-2-IN  
Scale: NONE Drawn by: S. Marcotte  
Date drawn: 01/10/99 Date revised: 4/26/16  
File: JS-2-IN Page: 10 / 12

STRUCTURALLY REVIEWED BY:  
  
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MAY 19 2016



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By   
Miami-Dade Product Control

ACCESSORIES



⑧ PDF-FS-05/D INSTALLATION BRACKET  
Gage 11 ASTM A653 SQ 33 G90 galvanized steel

**BILL OF MATERIALS (see also related cross sections details)**

REF.	QTY	Component	DESCRIPTION	MATERIAL	DIMENSIONS	MEAN OF ATTACHMENT	LOCATION
②	LF depends on sash perimeter	Middle gasket	Brügan L5150, Push-in middle gasket; mitre cut @ corners	EPDM	3/16"(d) x 3/4"(h)	Push-in gasket, in a continuous groove around the sash.	Perimeter of the active & fixed sashes; Head, bottom & hinged stile of inactive sash.
③	LF depends on sash perimeter	Gasket	Schlegel QWS250 foam gasket, mitre cut @ corners.	Polyurethane foam	5/16"(d) x 1/2"(h)	Push-in gasket, in a continuous groove around the sash.	Perimeter of the active & fixed sashes; Head, bottom & hinged stile of inactive sash.
⑥	2 per astragal	Reinforcement	AI1050, Galvanized Steel AISI C1020, Cold drawn	Steel	3/8"(t) x 2"(d)	1/4" x 1" steel bolt, @ 9" from the bottom of the steel and @ 14" o/c.	@ stiles of an astragal meeting (inactive or active sash), for frame width (FW) greater than 64 3/4" or frame height (FH) greater than 69 1/4". Steel length is 12" less than the sash height.
⑧	Depends on frame perim.	Installation	PDF-FS-05/D Installation bracket Gage 11 ASTM A653 SQ 33 G90 galvanized steel	Galv. Steel	1.181"(w) x 3.125"(h) x 11g(t)	To the frame: 2x #10 x 1" wood screws. Min. embedment is 3/4" To structure: See installation notes pages 1-5	Around the frame perimeter, @ 5 1/2" from corners; Max. distance on center (o/c): 11"
⑬	1 per wood sill, open in	Rainguard	FS15S profile, weep holes @ 4-3/4" o/c, 5/32"(W) x 1" (L)	Aluminum alloy 6063-T5	1 1/2"(h) x 1 3/8"(d) x 3/32"(t)	#8 x 3/4" round head wood screws, spaced 9 1/4" o/c.	At the top of the frame sill no. HJ435; INSIDE OPENING ONLY. Butt joint against the frame jambs at both ends.

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

**JS SERIES  
 WOOD FIXED WINDOWS  
 SASH INWARD**

Drawing no.: JS-2-IN

Scale: NONE Drawn by: S. Marcotte

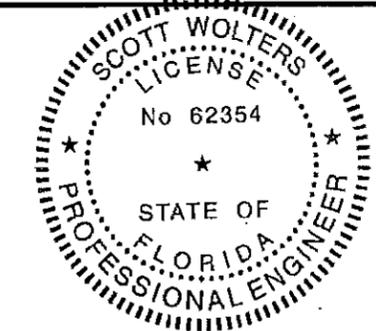
Date drawn: 01/10/99 Date revised: 4/26/16

File: JS-2-IN Page: 11 / 12

STRUCTURALLY REVIEWED BY:

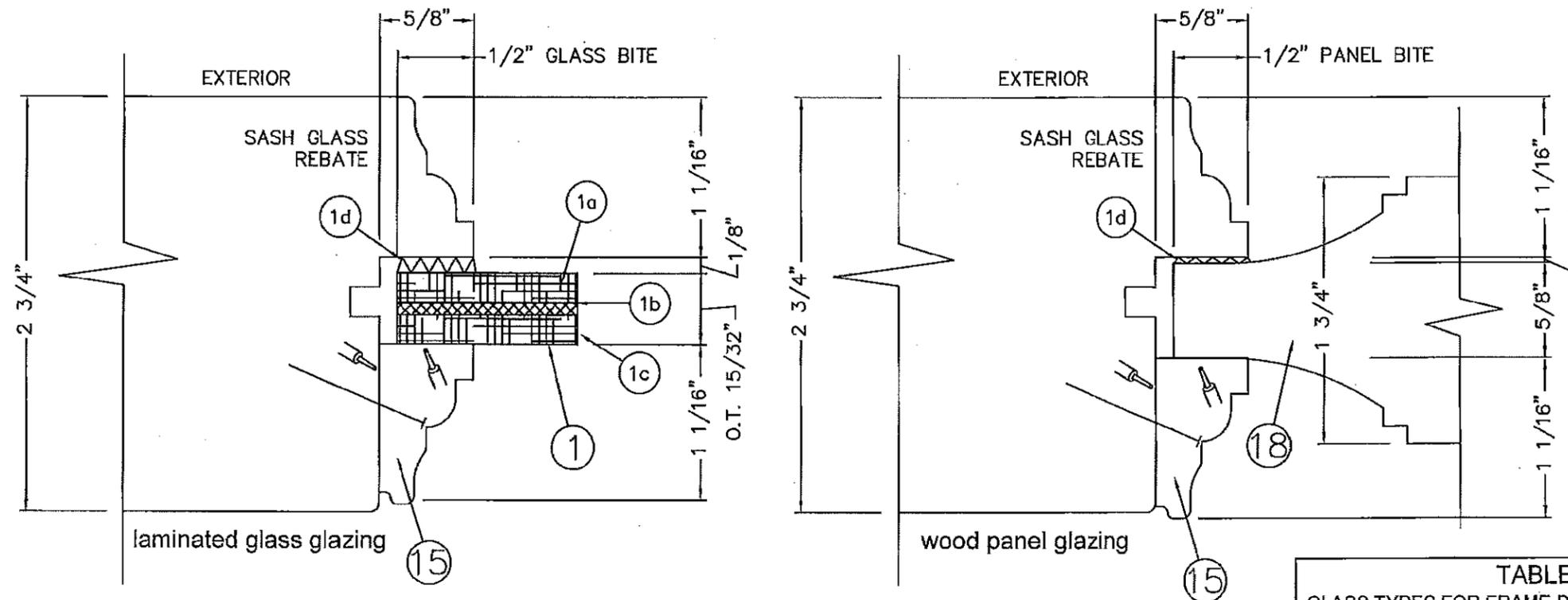
*Scott Wolters*  
 SCOTT WOLTERS  
 FL PE# 62354  
 WOLTERS ENGINEERING, INC.  
 (COA# 27194)  
 15211 97TH ROAD N  
 WEST PALM BEACH, FL 33412

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 Miami-Dade Product Control



GLAZING METHOD (inside glazed)

**BILL OF MATERIALS**

REF.	Component	DESCRIPTION	MEAN OF ATTACHMENT	LOCATION
①	Impact Glass, see components 1a,1b,1c	15/32" (t) Laminated glass (3/8" [10mm] designation)	See components 1d, and 15	As indicated on elevations drawings by the  symbol.
①a	Exterior glass sheet	3/16" (t) (5mm) as following: >Type 1: Annealed glass for d.l.o. dimensions on table 3 >Type 2: Heat strengthened glass for d.l.o. dimensions exceeding those into table 3	See components 1b: PVB interlayer	Exterior side
①b	Saflex III G PVB interlayer by Eastman Chemical	Saflex III G 0.090" (t) PVB plastic film by Solutia, per current approval	2 sides adhesive film	Between the interior and the exterior sheets of glass
①c	Interior glass sheet	3/16" (t) (5mm) heat strengthened glass	See components 1b: PVB interlayer	Interior side (glazing bead side)
①d	Structural silicone	Dow Corning 995 black silicone	1/8"(t) x 1/2"(w) bonding extrusion	Continuous extrusion between the wood back fence & the exterior sheet edge of the laminated glass or wood panel.
⑮	Glazing bead	GJ064 wood profile (5/8"(t) x 1 1/16"(d)	18 gauge, 1" finishing nails spaced 2" from the corners and 10" o/c	@ the perimeter of the glass.
⑱	Wood panel	Mahogany, raised: 5/8"(t) @ flanges, 1 3/4"(t) @ center; Max. d.l.o. area up to 7.81 sq	See components 1d, and 15	As indicated on elevation drawings.

**TABLE 2**  
 GLASS TYPES FOR FRAME DIMENSIONS OF TABLE 1 OR FOR BASIC RECTANGLES GIVEN ON SHEETS 2, 3, 4 AND 5 OF THIS DRAWING

If, for a given long member d.l.o., the actual short member daylight opening exceeds the maximum dimension indicated on table 2, then

TYPE 2 heat strengthened laminated glass [3/16" HS - .09" PVB interlayer, Saflex III G by Solutia - 3/16" HS]

OR TYPE 3 full tempered laminated glass [3/16" FT - .09" PVB interlayer, Saflex III G by Solutia - 3/16" FT]

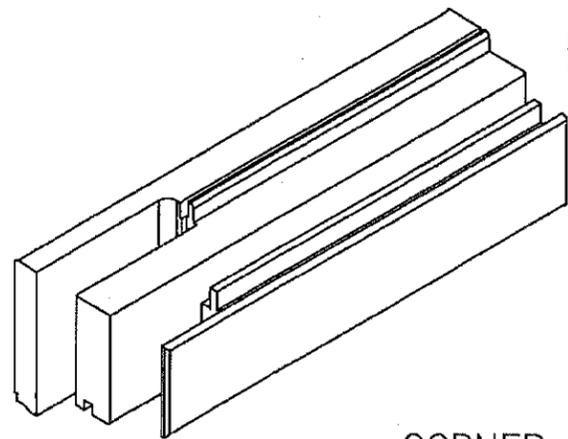
MUST BE USED

Maximum daylight opening for type 1 laminated glass [3/16" AN - .090" PVB interlayer by Solutia - 3/16" HS]

Given Long member d.l.o. up to (in.)	Max. short member d.l.o. (in.)	Given Long member d.l.o. up to (in.)	Max. short member d.l.o. (in.)
47 1/4	47.244	90 1/2	28.150
51	41.339	94 1/2	27.953
55	38.386	98 1/2	27.559
59	36.220	102 1/4	27.362
63	34.055	106 1/4	26.969
66	32.480	110 1/4	26.772
70 3/4	31.496	114	26.575
74 3/4	30.512	118	26.378
78 3/4	29.528	122	26.220
82 1/2	28.937	126	26.102
86 1/2	28.543	130	25.984

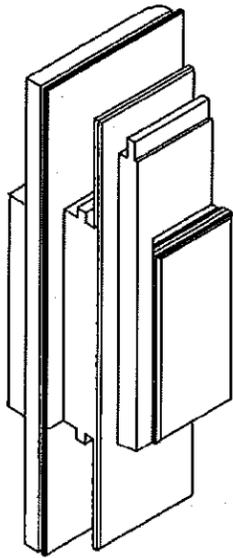
Clear "Spectrem 2" silicone sealant at shown interfaces

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



TYPE OF GLUE:  
RESIBOIS 222 no 30222-01 TYPE 1  
EXTERIOR GLUE FOR WOOD

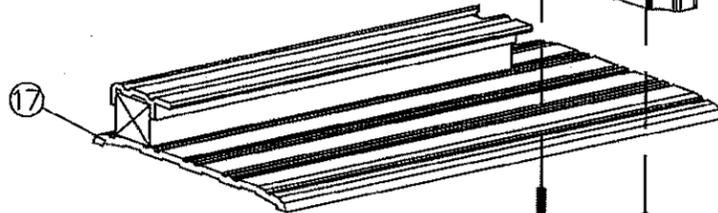
CORNER  
ASSEMBLY  
(MULTI-FORK)



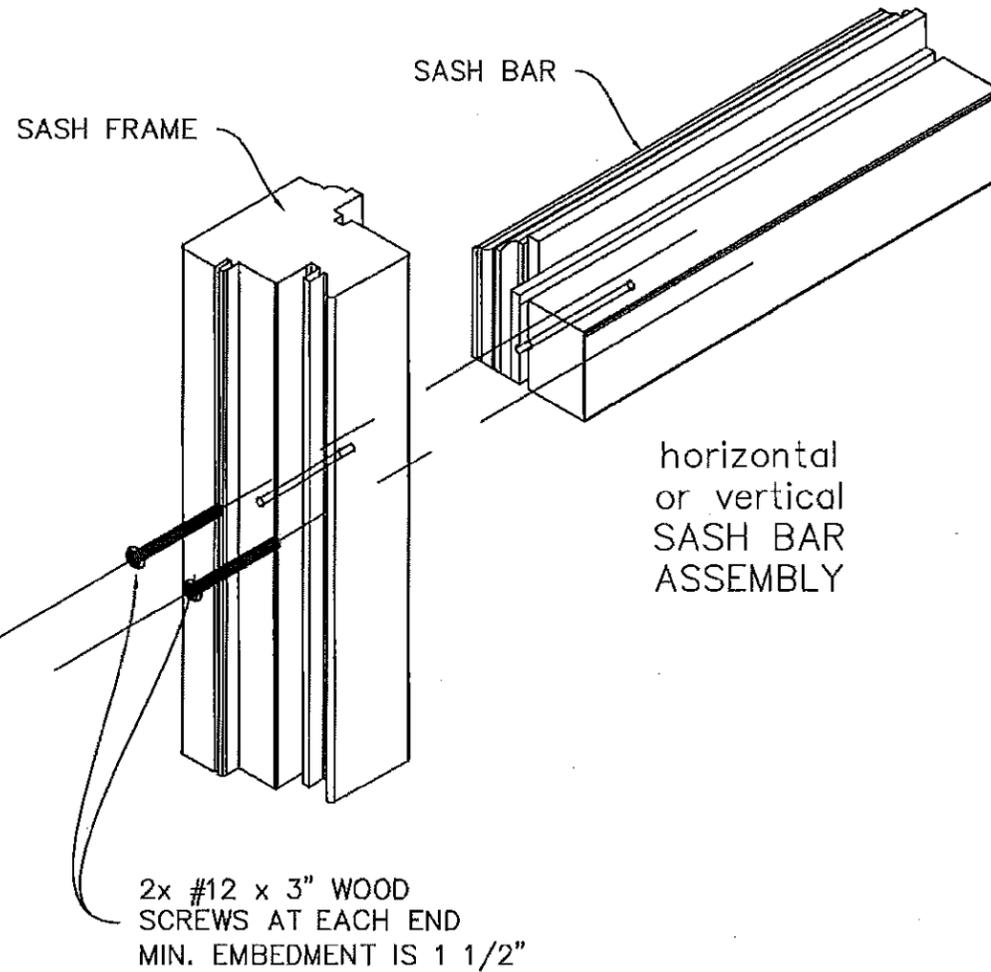
FRAME JAMB



ALUMINUM FLAT  
SILL ASSEMBLY



#12 x 2" WOOD SCREWS  
Embedment is 1 3/4"



SASH FRAME

SASH BAR

horizontal  
or vertical  
SASH BAR  
ASSEMBLY

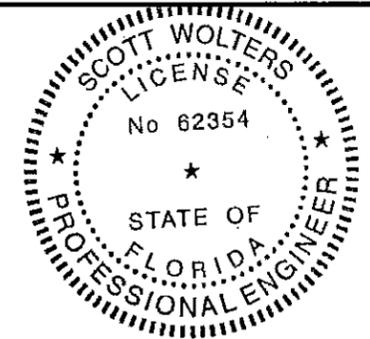
2x #12 x 3" WOOD  
SCREWS AT EACH END  
MIN. EMBEDMENT IS 1 1/2"

JS SERIES  
WOOD FIXED WINDOWS  
SASH INWARD

Drawing no.: JS-2-IN	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 4/26/16
File: JS-2-IN	Page: 12 / 12

STRUCTURALLY REVIEWED BY:

*Scott Wolters*  
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(COA# 27194)  
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WEST PALM BEACH, FL 33412  
MAY 19 2016



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 15-0928.17  
Expiration Date 03/01/2019  
By *[Signature]*  
Miami-Dade Product Control