



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/pera/

Peetz Windows and Doors, Inc.
15951 SW 41 Street, Suite 150
Weston, FL 33331

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 PERA - 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. PERA 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 "European" Inswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1439, titled "European In-Swing Casement Impact Wood Windows" sheets 1 through 9 of 9 dated 09/07/05, with revision A1 dated 05/04/10, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/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 # 10-0615.07 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 **Manuel Perez, P.E.**



NOA No. 11-1024.11
Expiration Date: December 22, 2015
Approval Date: December 29, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1439**, titled "European In-Swing Casement Impact Wood Windows" sheets 1 through 9 of 9 dated 09/07/05, with revision A1 dated 05/04/10, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94.
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with the manufacturer's parts drawings, marked-up drawings and installation diagram of a inswing wood casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No. **HTL-0284-0528-03**, dated 05/29 to 06/02/2003, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 05-0930.09)

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
 - 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, TAS 202-94

along with the manufacturer's parts drawings, marked-up drawings and installation diagram of a inswing wood casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No. **HTL-0284-1113-01**, dated 11/11 to 14/2001, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 05-0930.09)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 08/30/05 revised on 06/08/10, and updated on 10/19/11, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E1300-04


Manuel Perez, P.E.
Product Control Examiner

NOA No. 11-1024.11

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D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of independence and compliance with the FBC-2007 and FBC-2010, dated 10/19/11, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 06/08/10, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 10-0615.07)
3. Laboratory compliance letters for Test Reports No.'s **HTL-0284-0528-03** and **HTL-0284-1113-01**, issued by Hurricane Test Laboratory, LLC, dated 03/14/05, all signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 05-0930.09)
4. Proposal No. **04-0340** issued by Product Control, dated July 22,04, signed by Manuel Perez, P. E.
(Submitted under previous NOA No. 05-0930.09)

G. OTHERS

1. Notice of Acceptance No. **10-0615.07**, issued to Peetz Windows and Door, Inc. for their Series "European Inswing Wood Casement Window - L.M.I.", approved on 10/20/10 and expiring on 12/22/15.

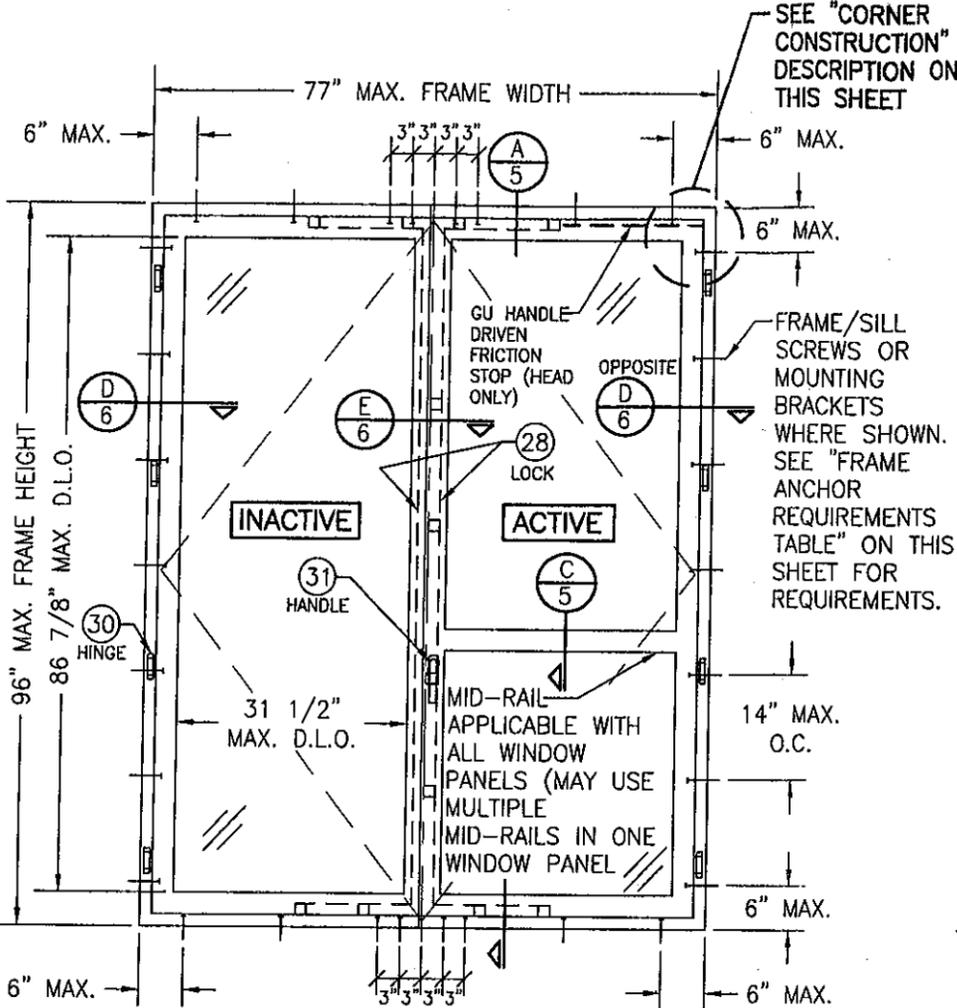

Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1024.11
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GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)."
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $KD = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $CD = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

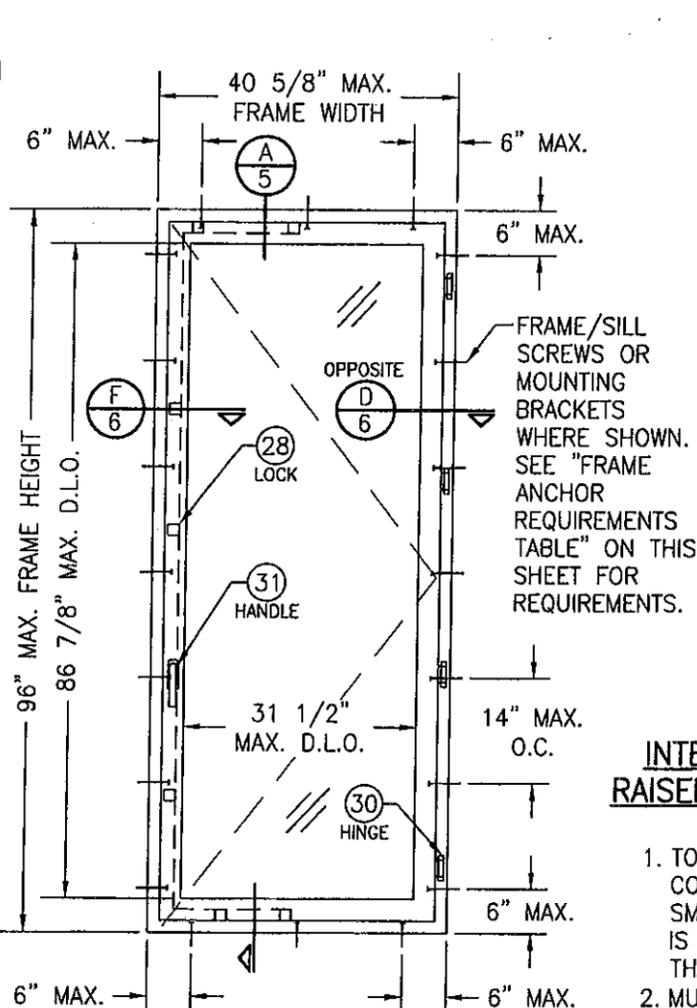
CORNER & MULLION END CONSTRUCTION:

- JAMB TO JAMB:** MULTI-FORKED & GLUED WITH BINDAN D4 OR EQUAL
JAMB TO SILL: MULTI-FORKED & GLUED WITH BINDAN D4 OR EQUAL
MULLIONS TO JAMB: MULLION IS COPED, BUTTED TO JAMB & JOINED WITH SIX(6) 0.394" X 3.15" LONG WOOD DOWELS AND GLUED WITH BINDAN D4 OR EQUIVALENT WOOD GLUE.
MULLION TO SILL: MULLION IS COPED, BUTTED TO JAMB & JOINED WITH SIX(6) 0.394" X 3.15" LONG WOOD DOWELS AND GLUED WITH BINDAN D4 OR EQUIVALENT WOOD GLUE.
MID-RAIL TO STILE: MID-RAIL IS COPED, BUTTED TO JAMB & JOINED WITH FOUR(4) 0.394" X 3.15" LONG WOOD DOWELS AND GLUED WITH BINDAN D4 OR EQUIVALENT WOOD GLUE.
SASH: MULTI-FORKED & GLUED WITH BINDAN D4 OR EQUAL



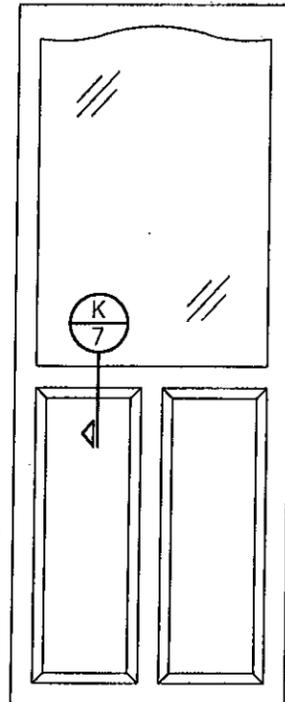
**INTERIOR ELEVATION
DOUBLE RECTANGULAR IN-SWING WINDOW**

SCALE: 1/2" = 1'-0"
(FOR TILT-TURN CONDITION, SEE ELEVATION ON SHEET 4)



**INTERIOR ELEVATION
SINGLE RECTANGULAR IN-SWING WINDOW**

SCALE: 1/2" = 1'-0"
(FOR TILT-TURN CONDITION, SEE ELEVATION ON SHEET 4)



**INTERIOR ELEVATION SOLID
RAISED PANEL WITH MID RAILS**

SCALE: 1/2" = 1'-0"

1. TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
2. MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
3. PANEL CONFIGURATIONS OTHER THAN THAT SHOWN ARE ALSO PART OF THIS APPROVAL PROVIDING THEY ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
4. PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/BRACKET TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
HEAD & SIDE FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 18 (0.295 DIA.) SMS OR WOOD SCREW	1 3/8"	3/4"
MIN. 1/8" THK 6063-T5 ALUM.	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE (1)	5/16" CONCRETE SCREW	1 1/2"	2 1/2"
SILL SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 3/8"	1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"
MOUNTING BRACKET SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 3/8"	1/2"
MIN. 1/8" THK 6063-T5 ALUMINUM	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) HEAD & SIDE CONCRETE SCREWS SHALL BE 5/16" ELCO ULTRACONS (HARDENED STEEL OR S.S.).
 (2) SILL CONCRETE SCREWS SHALL BE 1/4" ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

**ALLOWABLE DESIGN PRESSURE
(ALL WINDOWS)**

+60/-70 PSF

LOCK REQUIREMENTS

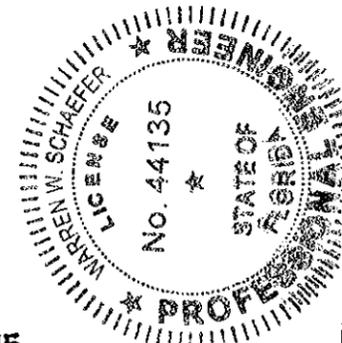
FRAME HEIGHT	NO. OF LOCKS REQUIRED
69" & OVER	4
43" TO 68"	3
LESS THAN 43"	2

HINGE REQUIREMENTS

FRAME HEIGHT	QUANTITY PER PANEL
OVER 68"	4
MAX. 68"	3
42" & LESS	2

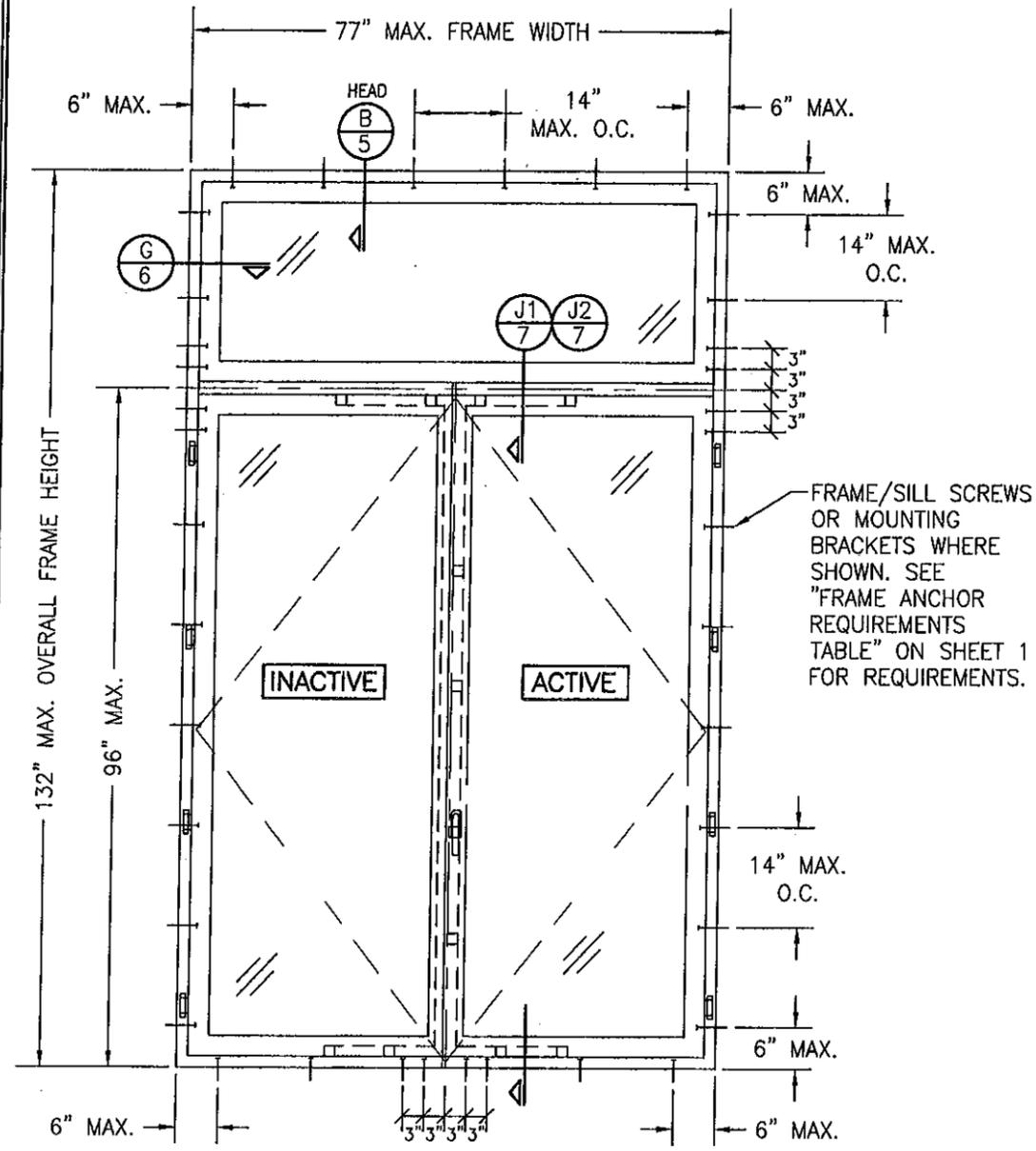
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. **11-1024.11**
 Expiration Date **12/22/2015**
 By *Manuel Perez*
 Miami Dade Product Control

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 as complying with the Florida Building Code
 Acceptance No. **10-0615.07**
 Expiration Date **DEC. 22, 2015**
 By *Manuel Perez*
 Miami Dade Product Control Division

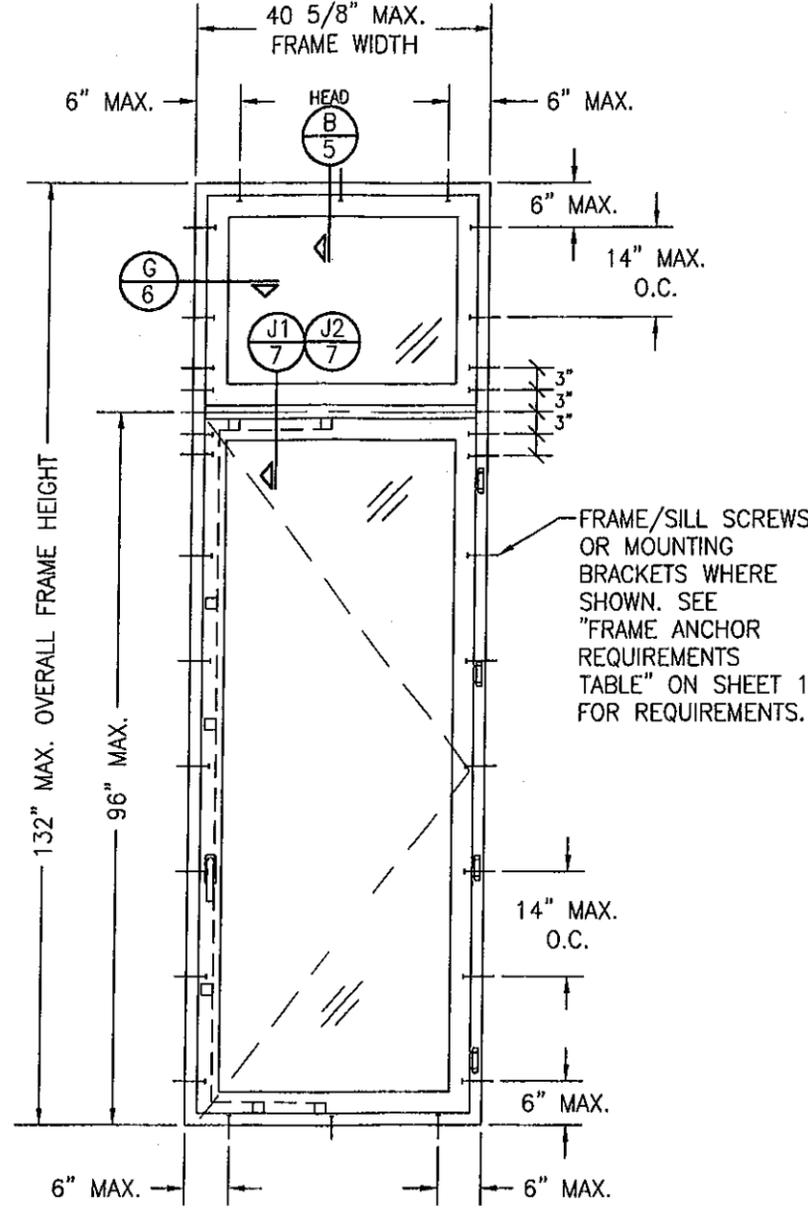


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SHEET NO. 1 OF 9		PLOT: 1-24	DATE: 9/7/05
NO. 1		REVISION DESCRIPTION	DATE
A1		UPDATE TO PRESENT STANDARDS	05/04/10
EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS MANUFACTURER PEITZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING TITLE EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS			
CERTIFICATION JUN 09 2010			

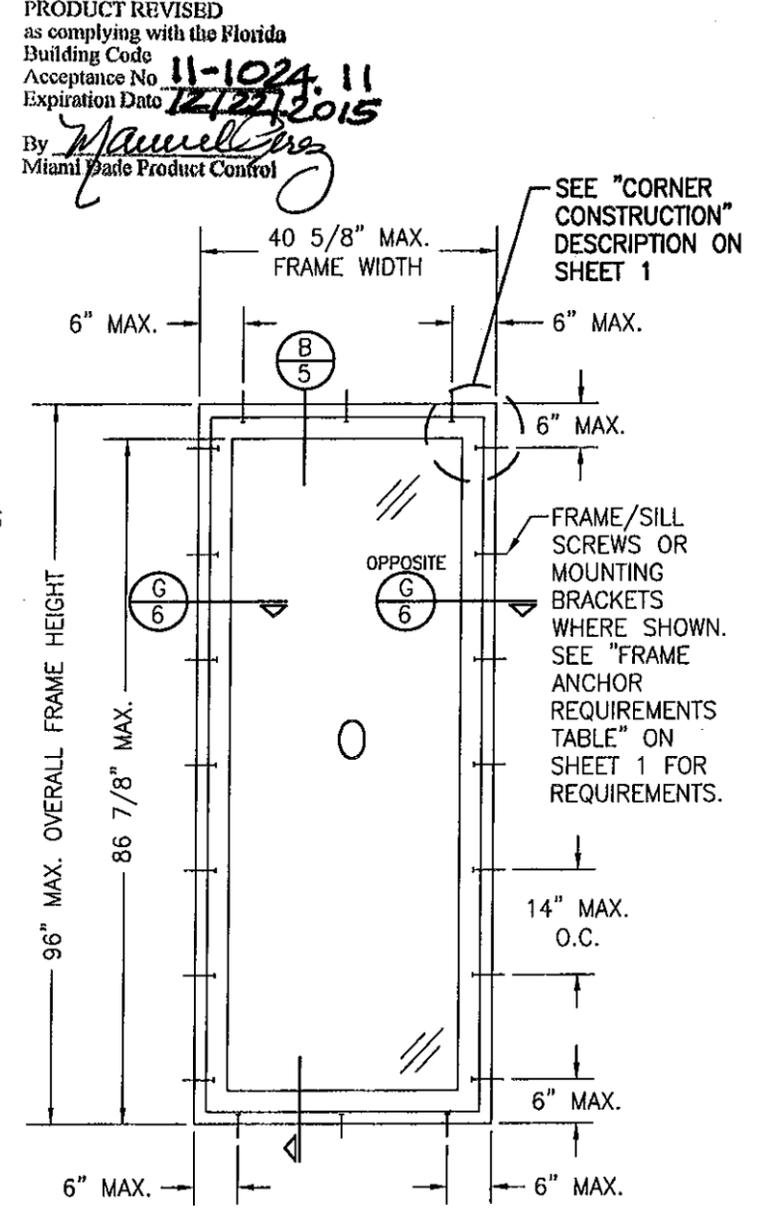
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PLOT: 1=24	DATE: 9/9/05
DATE	
BY	
REVISION DESCRIPTION	
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**INTERIOR ELEVATION
DOUBLE RECTANGULAR IN-SWING WINDOW
WITH TRANSOM**
SCALE: 1/2" = 1'-0"
WINDOW UNIT MAY ALSO BE A DOUBLE PANEL MULLED UNIT.
(FOR DETAIL NOT SHOWN, SEE DOUBLE WINDOW ELEVATION ON SHEET 1)
(FOR TILT-TURN CONDITION, SEE ELEVATION ON SHEET 4)



**INTERIOR ELEVATION
SINGLE RECTANGULAR IN-SWING WINDOW
WITH TRANSOM**
SCALE: 1/2" = 1'-0"
WINDOW UNIT MAY ALSO BE A SINGLE FIXED PANEL UNIT.
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1)
(FOR TILT-TURN CONDITION, SEE ELEVATION ON SHEET 4)

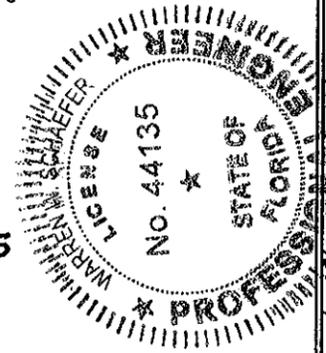


**INTERIOR ELEVATION
SINGLE RECTANGULAR FIXED WINDOW**
SCALE: 1/2" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **11-1024.11**
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By *Maurell Inc*
Miami Trade Product Control

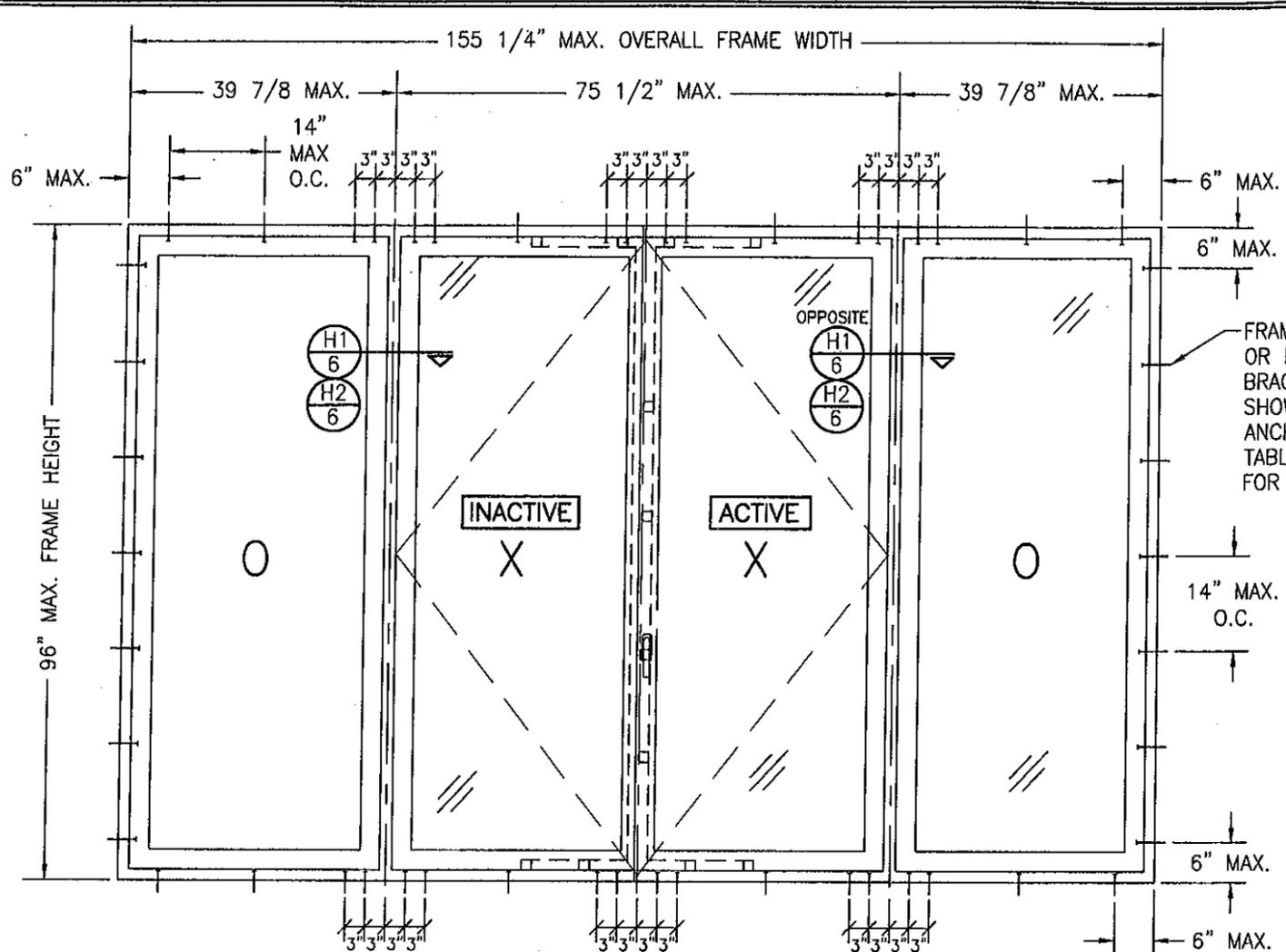
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NOTE: FOR MULLION CONDITIONS OUTSIDE OF THIS APPROVAL, SEE PEETZ MULLION DRAWING NO. 1327 UNDER SEPERATE APPROVAL.



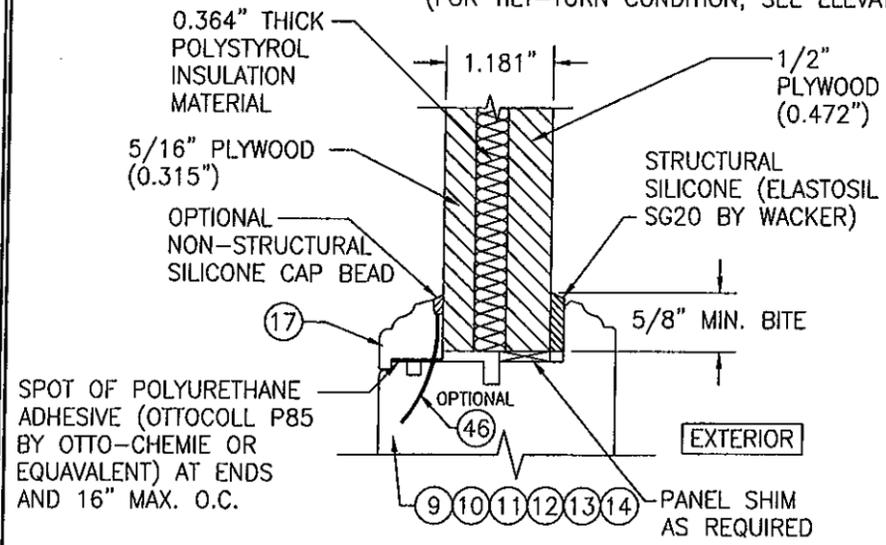
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CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
MANUFACTURER	PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887

DRAWING NO.	1439	REV.	A
SHEET NO.	2	OF	9

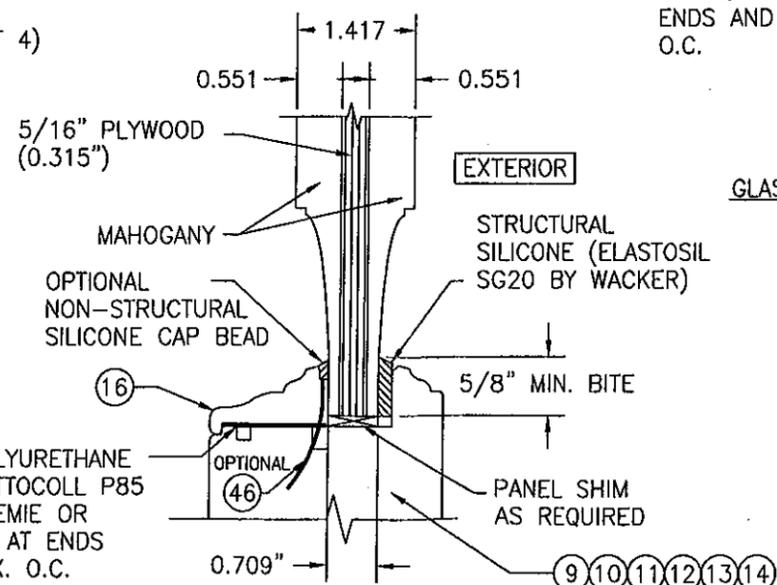


INTERIOR ELEVATION
DOUBLE RECTANGULAR IN-SWING WINDOW WITH SIDELITES

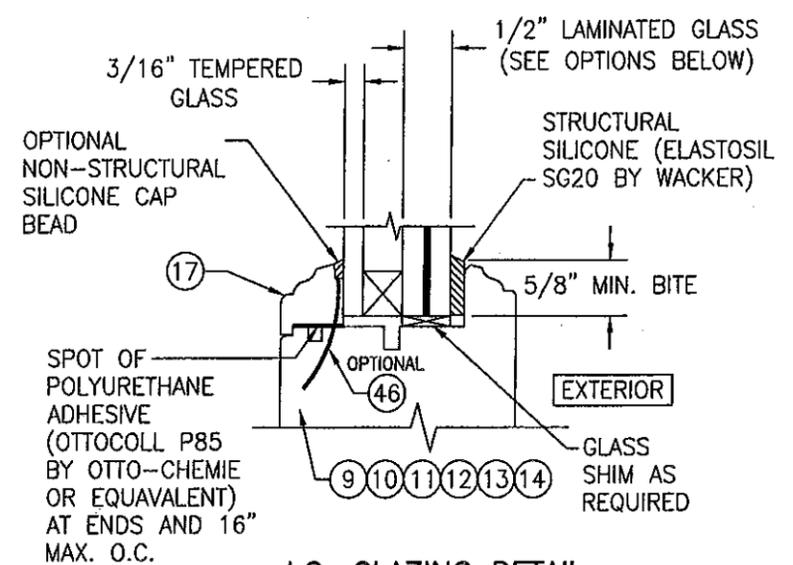
SCALE: 1/2" = 1'-0"
 SEE DOUBLE & SINGLE WINDOW ELEVATIONS FOR DETAIL NOT SHOWN
 (OXXO UNIT SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.)
 (FOR TILT-TURN CONDITION, SEE ELEVATION ON SHEET 4)



FLUSH PANEL GLAZING DETAIL



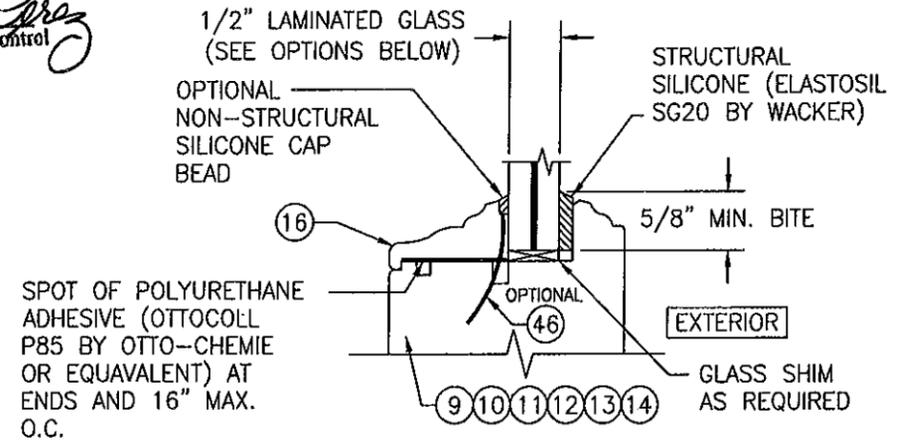
RAISED PANEL GLAZING DETAIL



I.G. GLAZING DETAIL

GLASS OPTION: 1. 1/2" THICK SOLUTIA SAFLEX IIIIG LAMINATED OUTER GLASS (3/16" AN/0.09 SAFLEX IIIIG PVB/1/4" AN); 3/16" TEMPERED SINGLE PANE INNER GLASS & 1/2" AIR SPACE

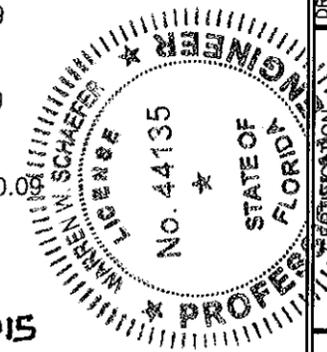
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NON-I.G. GLAZING DETAIL

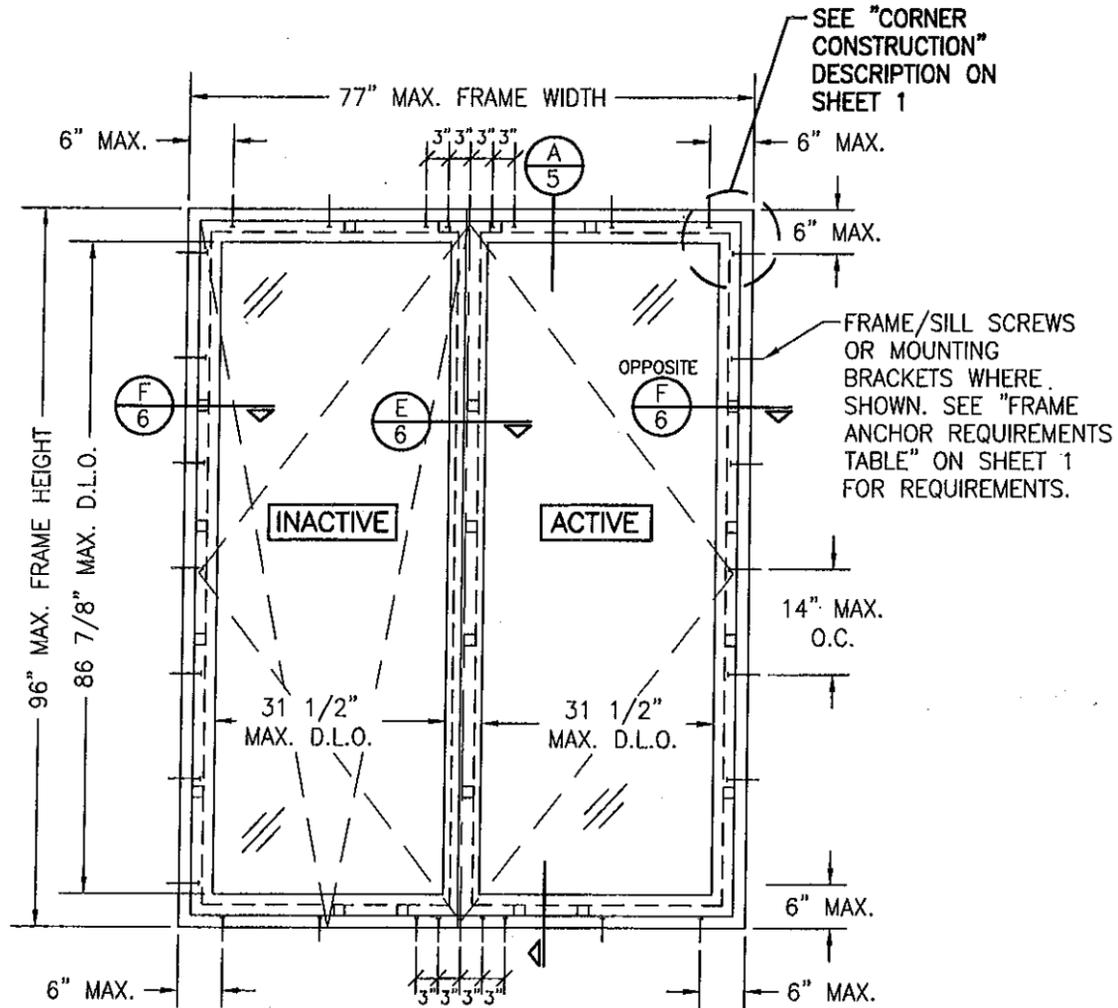
GLASS OPTION: 1. 1/2" THICK SOLUTIA SAFLEX IIIIG LAMINATED GLASS (3/16" AN/0.09 SAFLEX IIIIG PVB/1/4" AN) 2. 1/2" THICK SOLUTIA SAFLEX IIIIG LAMINATED GLASS (3/16" AN/0.09 SAFLEX IIIIG PVB/1/4" HT. ST.) 3. 9/16" THICK SOLUTIA SAFLEX IIIIG LAMINATED GLASS (1/4" HT. ST./0.09 SAFLEX IIIIG PVB/1/4" HT. ST.)

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 Miami Dade Product Control Division

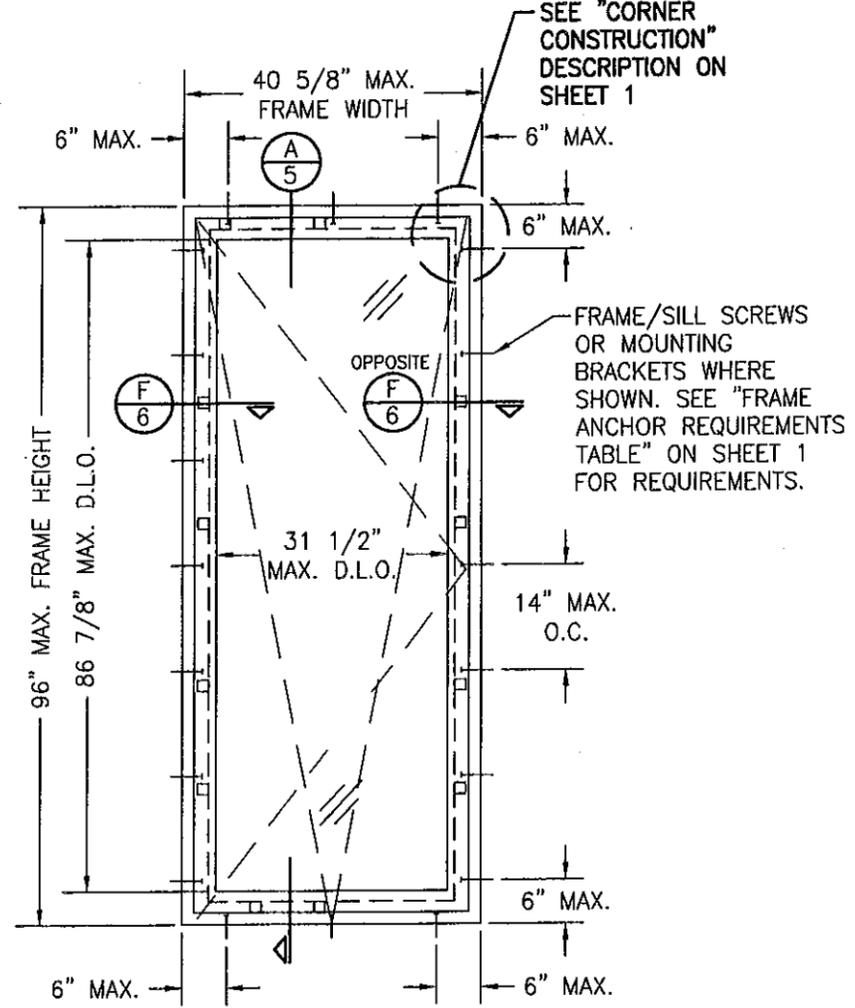


DRAWN BY: C.A.G.	CHECKED BY: W.N.S.
PLLOT: 1=24	DATE: 9/9/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER PEETZ WINDOWS & DOORS
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	15951 S.W. 41ST STREET; SUITE 150 WESTON, FL 33331 954-659-3887
DRAWING NO. REV. 1439 A	
SHEET NO. 3 OF 9	

DRAWN BY: C.A.G.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 9/9/05
NO.	REVISION DESCRIPTION
DATE	BY



INTERIOR ELEVATION
DOUBLE RECTANGULAR TILT-TURN WINDOW UNIT
 SCALE: 1/2" = 1'-0"



INTERIOR ELEVATION
SINGLE RECTANGULAR TILT-TURN WINDOW UNIT
 SCALE: 1/2" = 1'-0"

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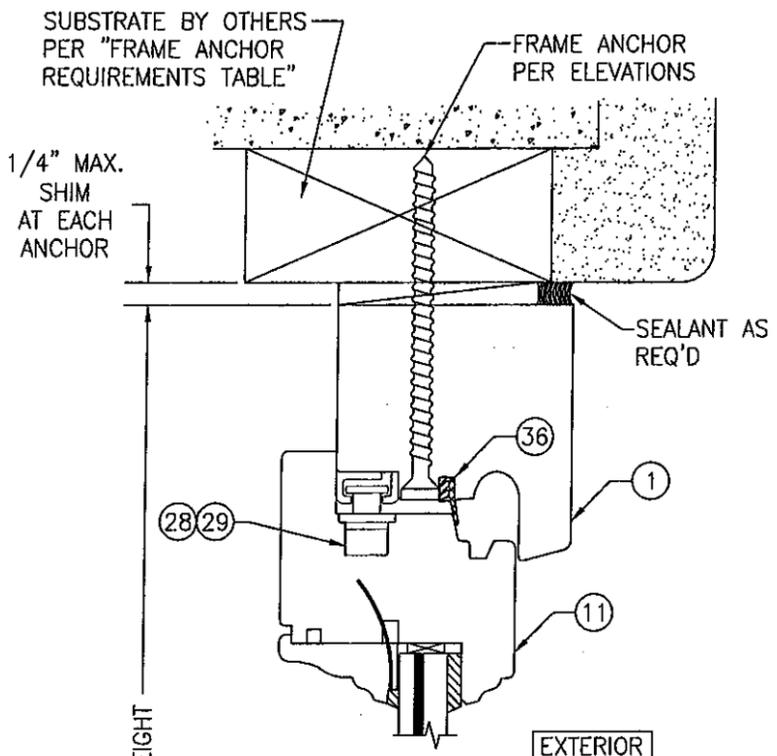
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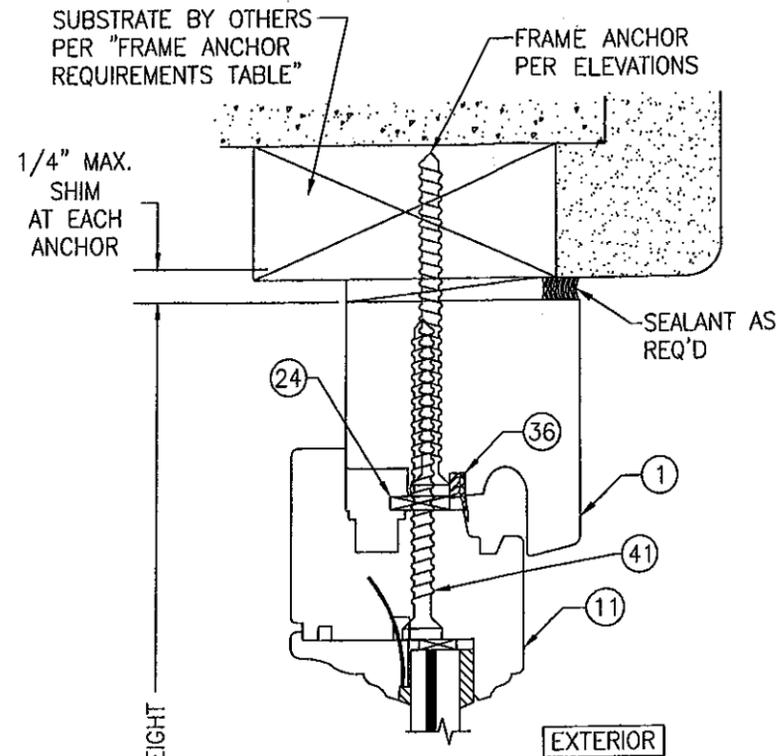
DRAWING TITLE	EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
MANUFACTURER	PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887

DRAWING NO.	REV.
1439	A
SHEET NO.	
4	OF 9

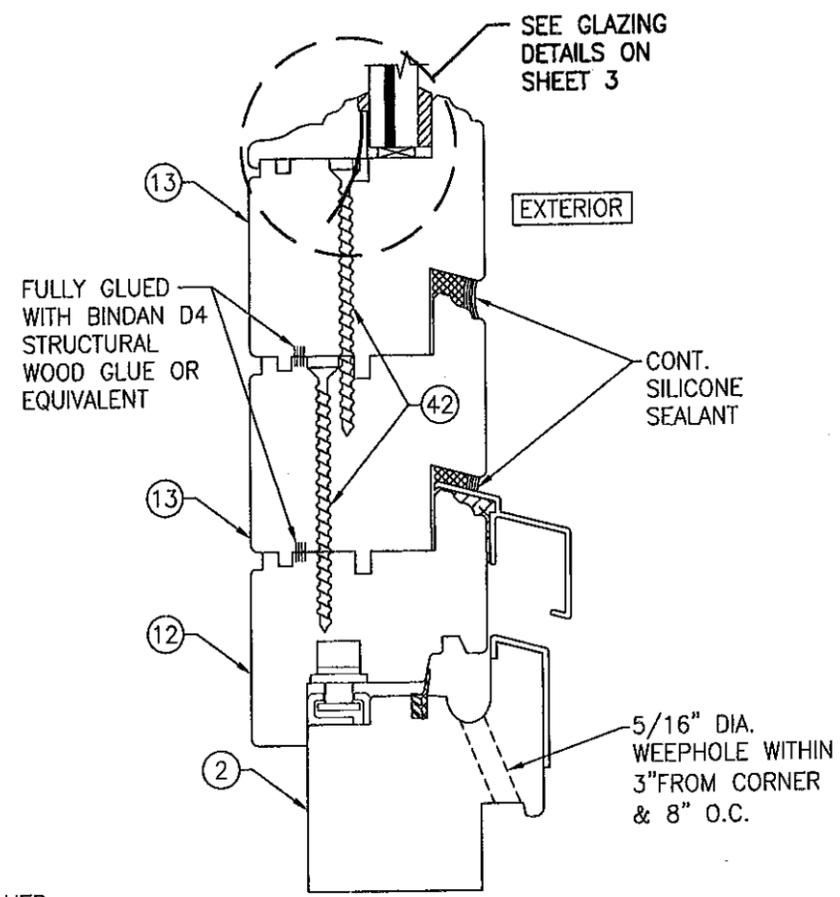
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DATE			
BY			
REVISION DESCRIPTION			
NO.			



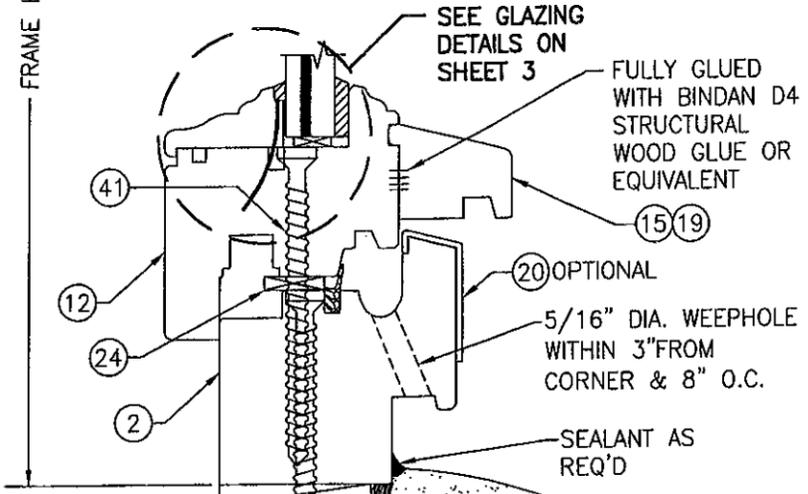
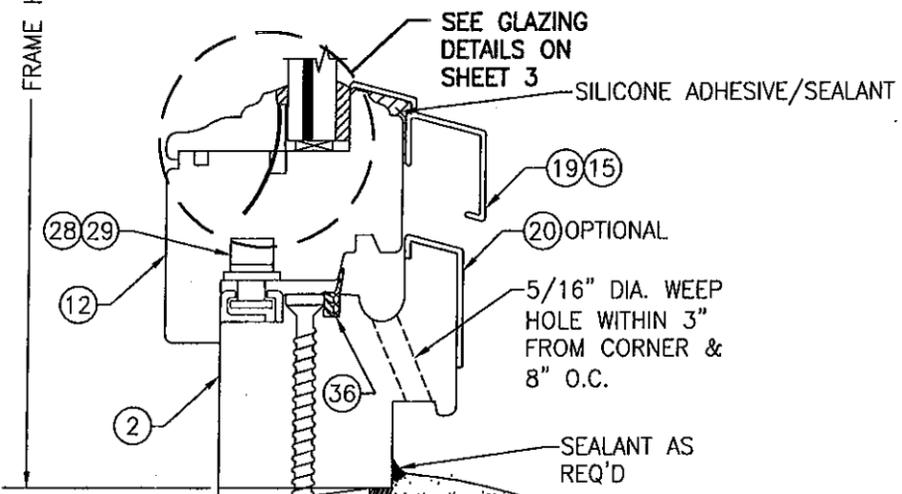
SECTION A
SCALE: 1/2 FULL



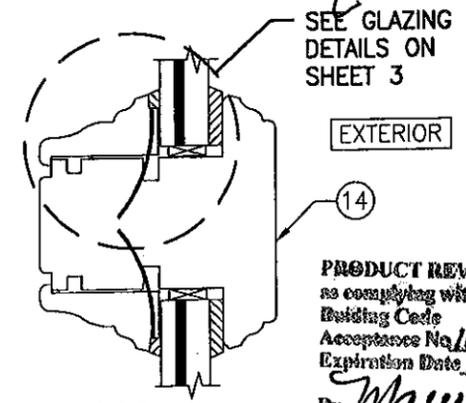
SECTION B
SCALE: 1/2 FULL



ALTERNATE BOTTOM RAIL CONDITION
(SEE SECTIONS A/5 AND B/5 FOR INSTALLATION AND OTHER DETAIL NOT SHOWN)

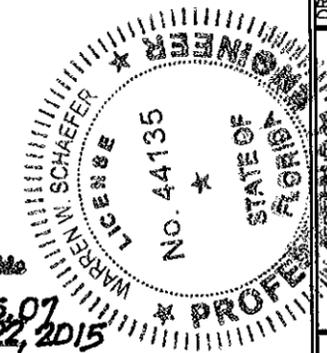


PRODUCT REVISED
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Miami Dade Product Control



SECTION C
SCALE: 1/2 FULL

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Expiration Date **DEC 22, 2015**
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Miami Dade Product Control

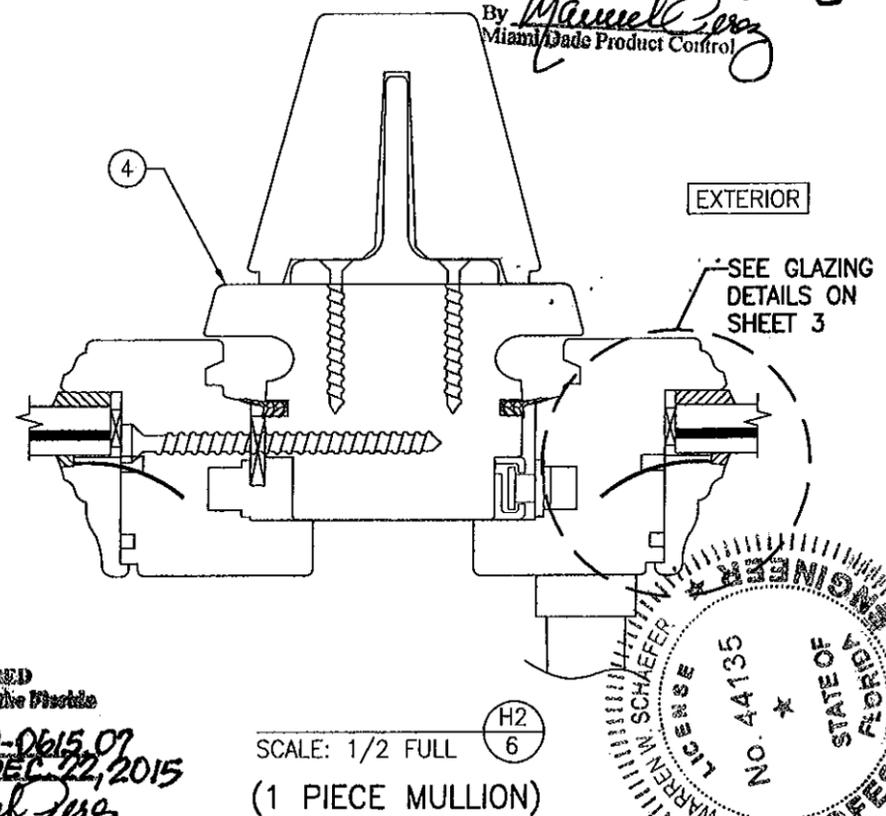
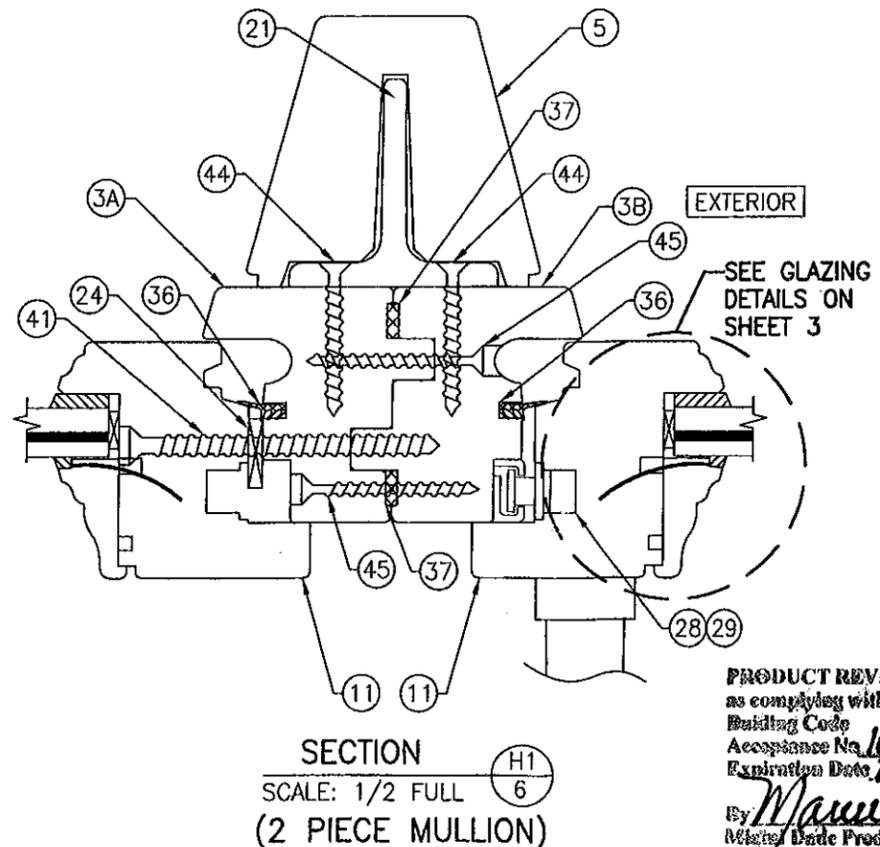
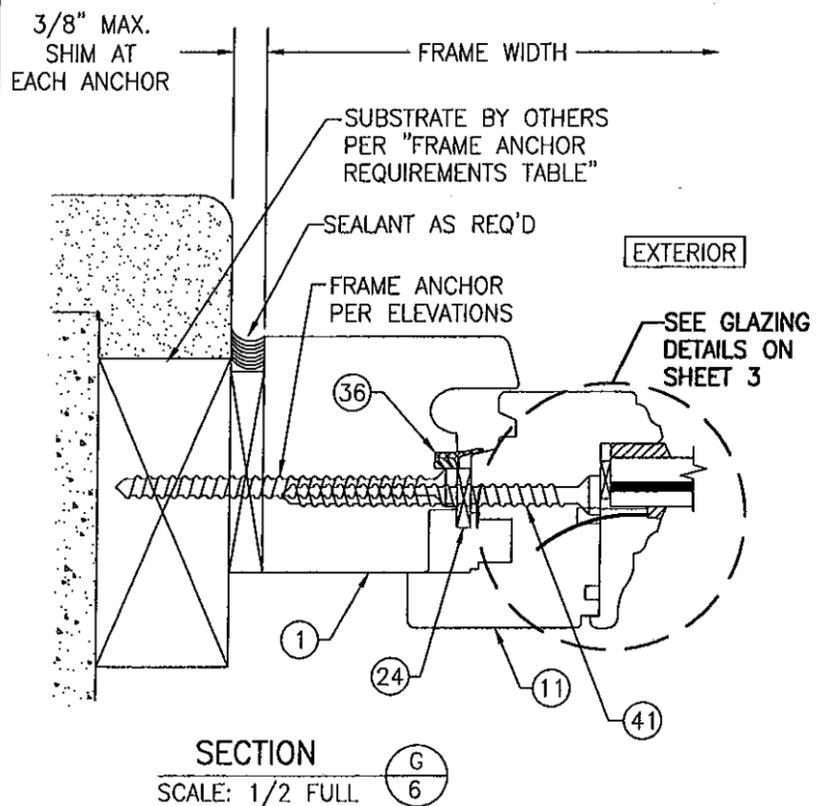
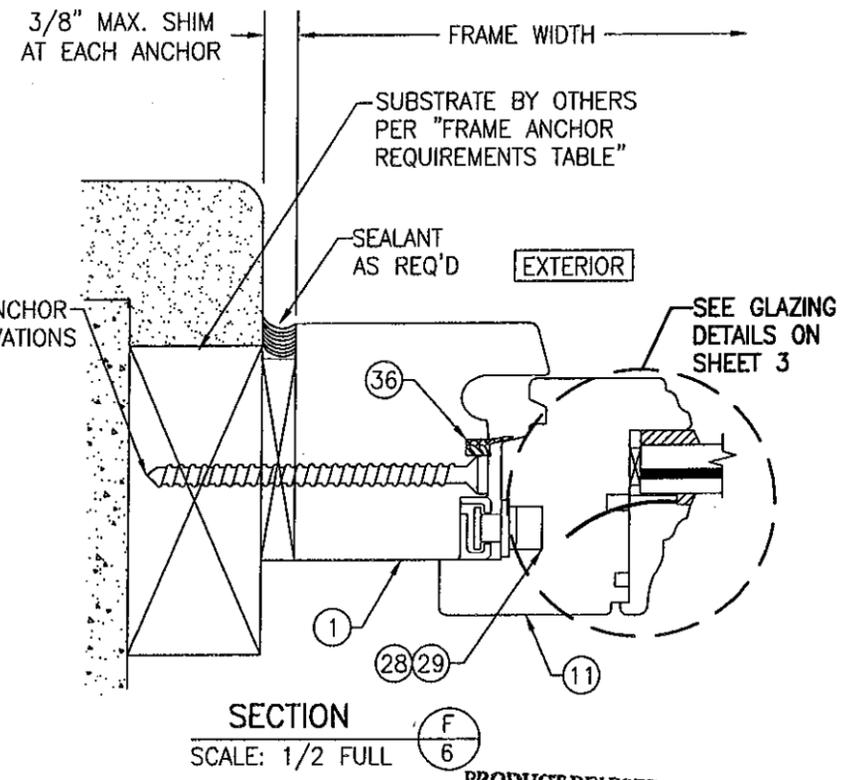
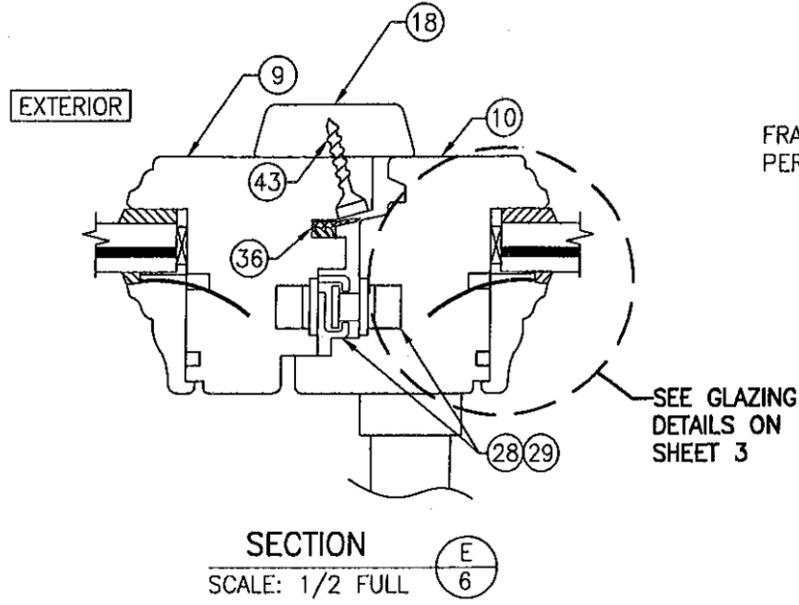
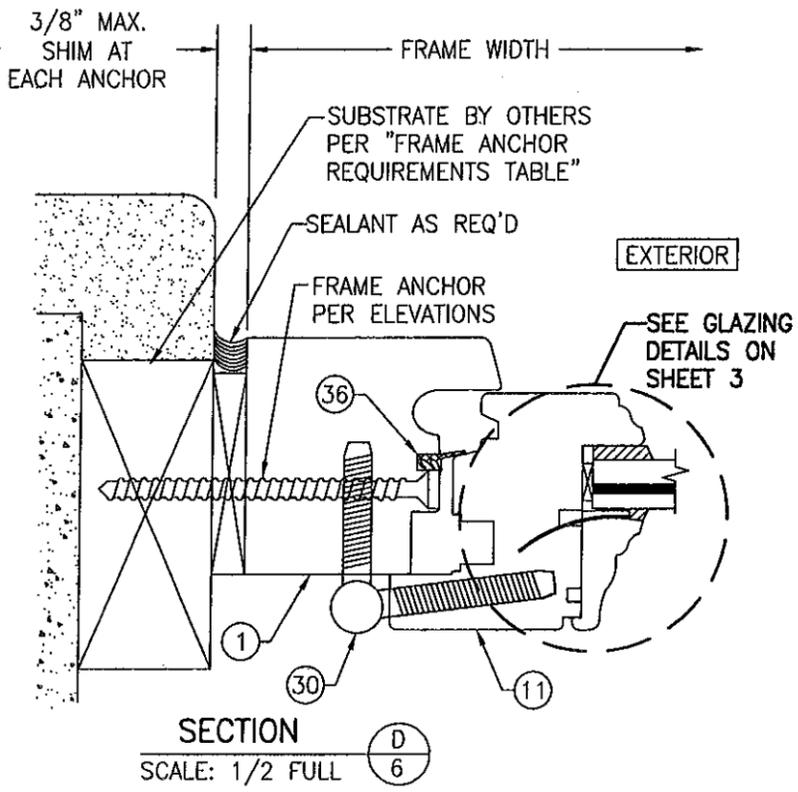


DRAWING TITLE
EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS

MANUFACTURER
PEETZ WINDOWS & DOORS
15951 S.W. 41ST STREET, SUITE 150
WESTON, FL 33331
954-659-3887

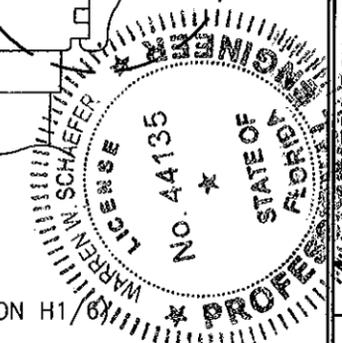
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
7480 150TH COURT NORTH, 33418
PALM BEACH GARDENS, FL
PHONE: 561-744-3424

DRAWING NO.	1439	REV.	A
SHEET NO.	5	OF	9

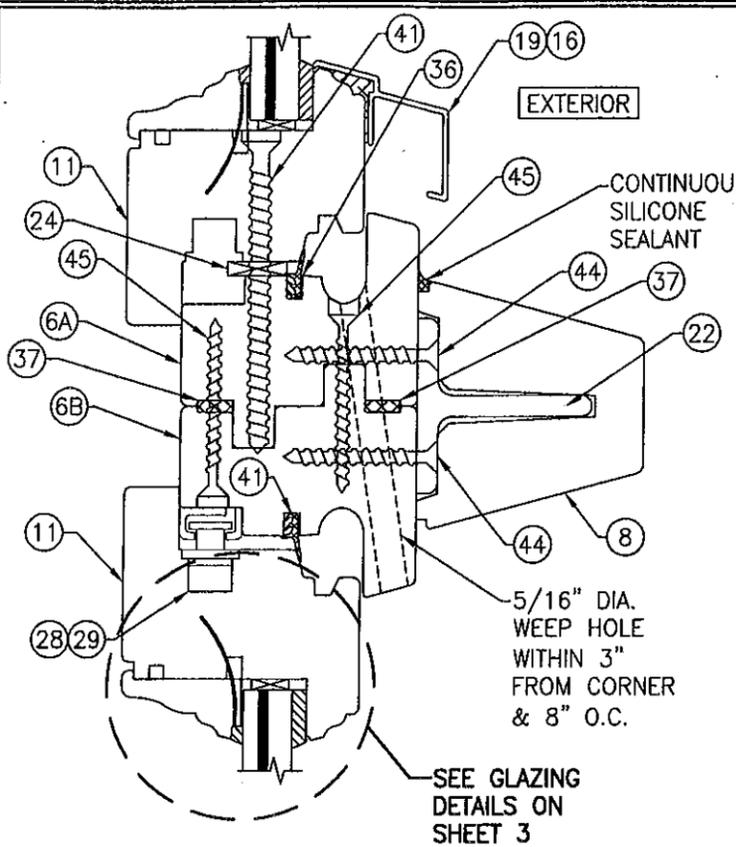


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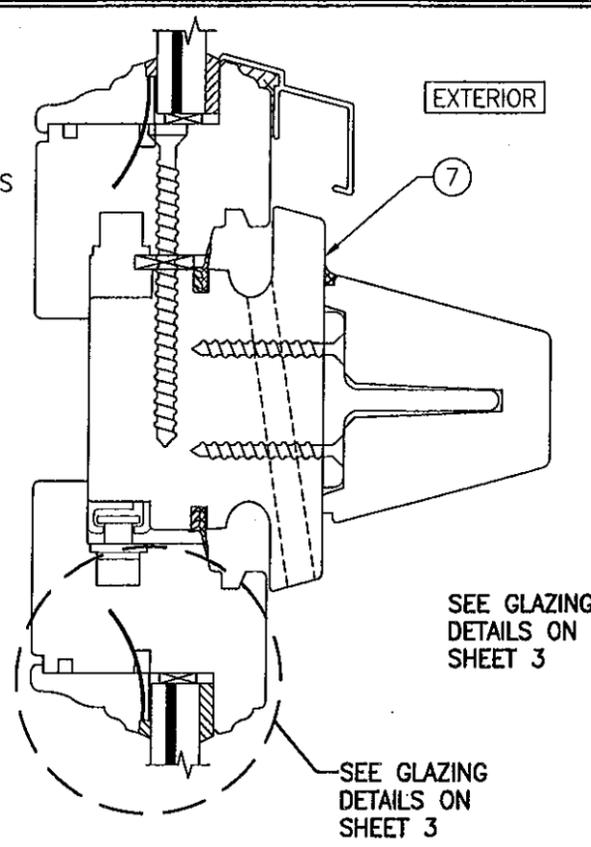
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Miami/Dade Product Control
Division



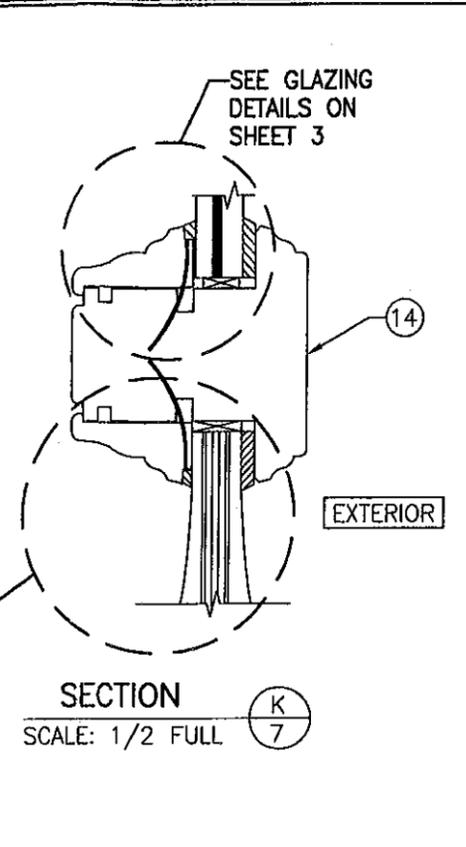
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 9/14/05	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: PEETZ WINDOWS & DOORS	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887	
DRAWING NO. 1439		REV. A	
SHEET NO. 6		OF 9	



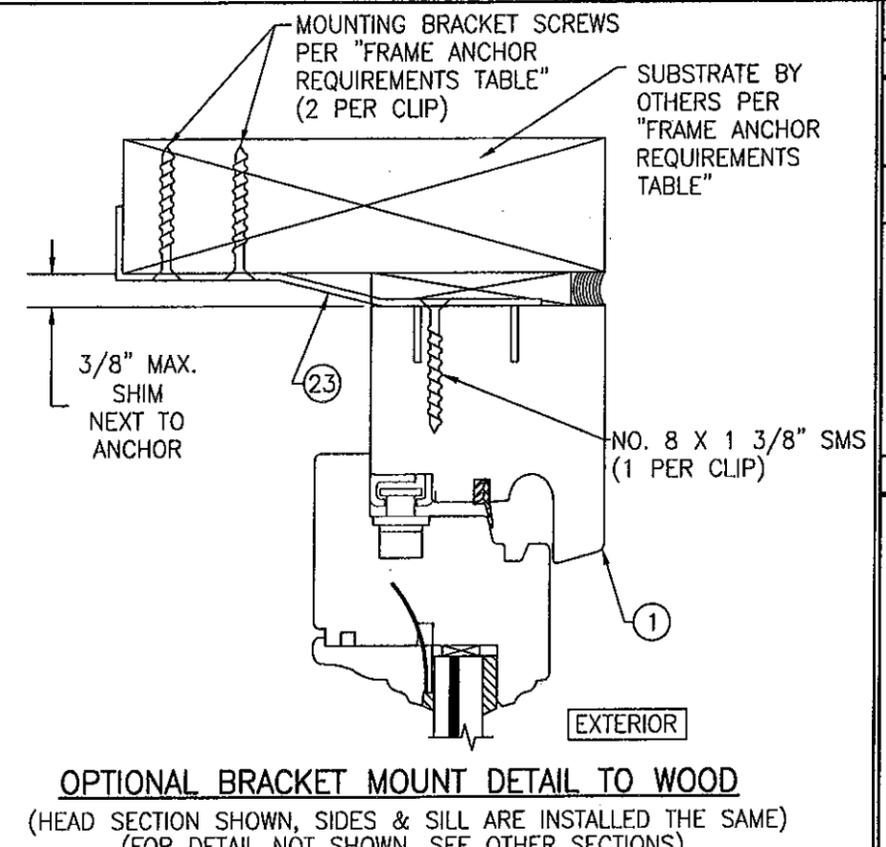
SECTION J1
SCALE: 1/2 FULL
(2 PIECE MULLION)



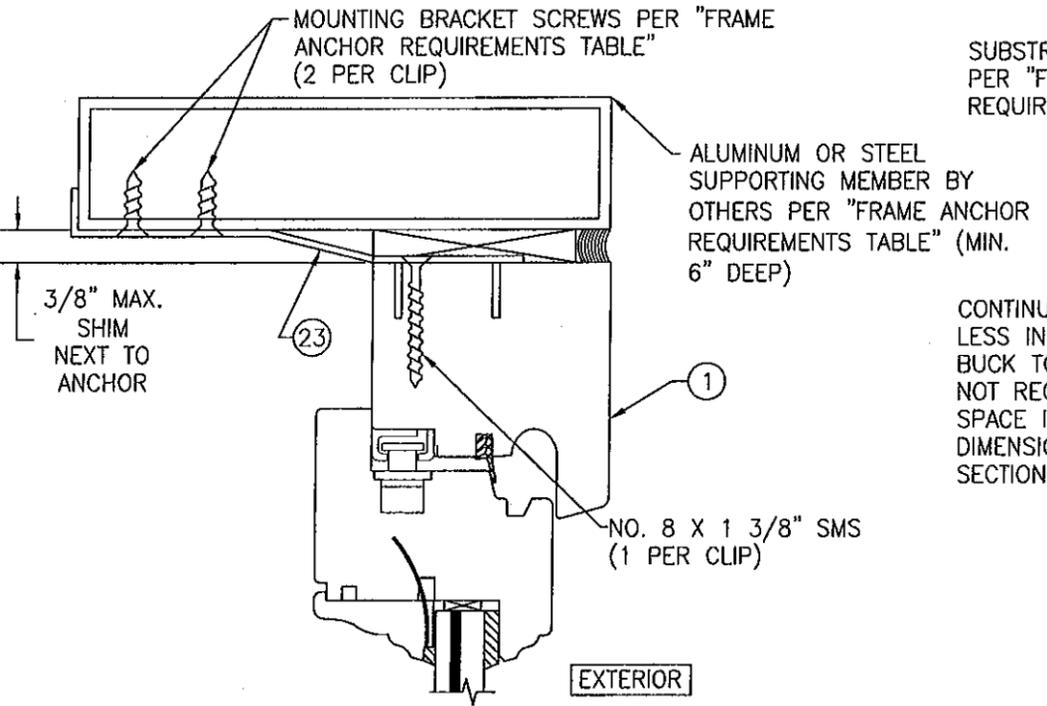
SECTION J2
SCALE: 1/2 FULL
(1 PIECE MULLION)



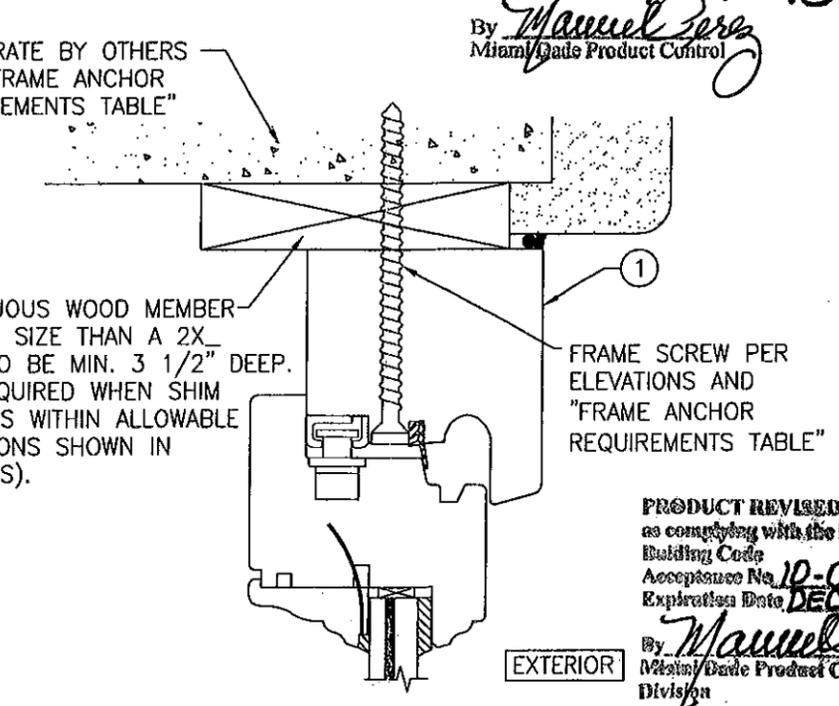
SECTION K
SCALE: 1/2 FULL



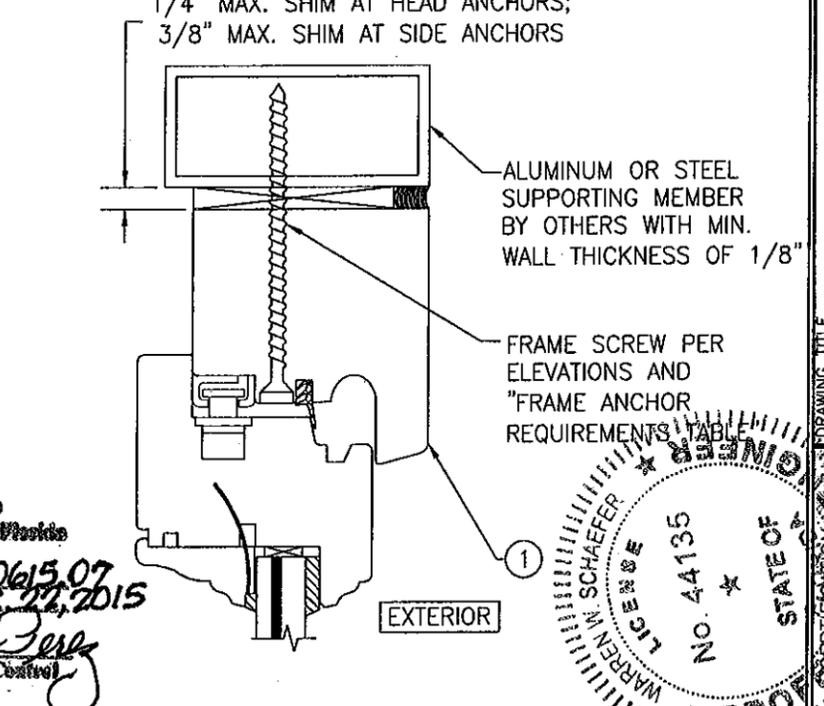
OPTIONAL BRACKET MOUNT DETAIL TO WOOD
(HEAD SECTION SHOWN, SIDES & SILL ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL BRACKET MOUNT DETAIL TO ALUMINUM OR STEEL
(HEAD SECTION SHOWN, SIDES & SILL ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



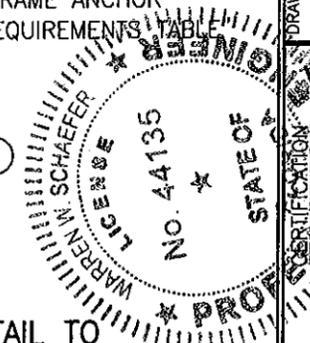
OPTIONAL DIRECT MOUNT DETAIL TO BLOCK OR CONCRETE WITH SPACER OR SHIM
(HEAD SECTION SHOWN, SIDES & SILL ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



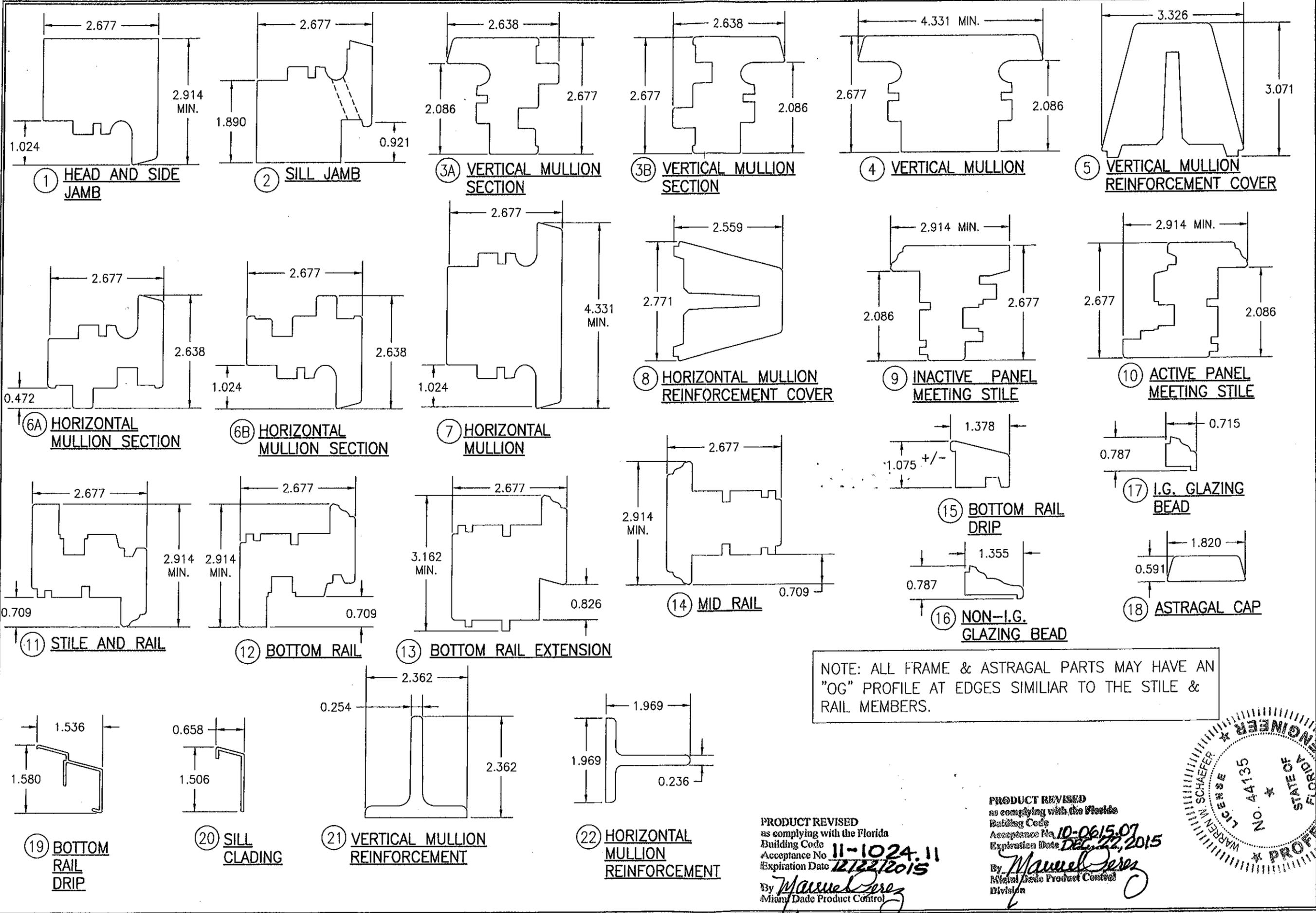
OPTIONAL DIRECT MOUNT DETAIL TO ALUMINUM OR STEEL
(HEAD SECTION SHOWN, SIDES & SILL ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

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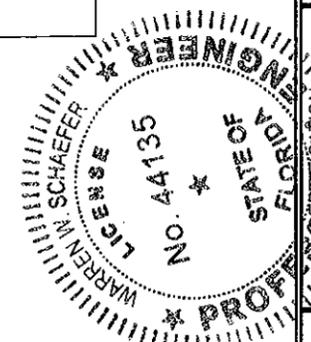
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 9/14/05	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS			
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: PEETZ WINDOWS & DOORS	
7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418		15951 S.W. 41ST STREET, SUITE 150, WESTON, FL 33331	
PHONE: 561-744-3424		954-659-3887	
DRAWING NO. 1439		REV. A	
SHEET NO. 7		OF 9	



NOTE: ALL FRAME & ASTRAGAL PARTS MAY HAVE AN "OG" PROFILE AT EDGES SIMILAR TO THE STILE & RAIL MEMBERS.

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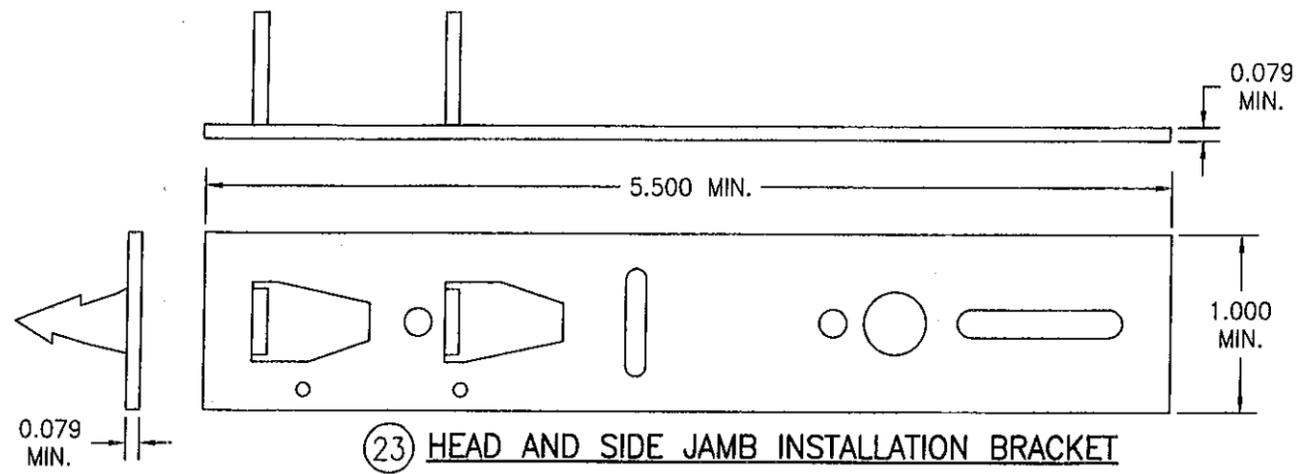
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PLOT: 1=2		DATE: 9/14/05	
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DRAWING TITLE: EUROPEAN IN-SWING CASEMENT IMPACT WOOD WINDOWS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
MANUFACTURER: PEETZ WINDOWS & DOORS			
15951 S.W. 41ST STREET, SUITE 150			
WESTON, FL 33331			
954-659-3887			
DRAWING NO. 1439			
REV. A			
SHEET NO. 8 OF 9			

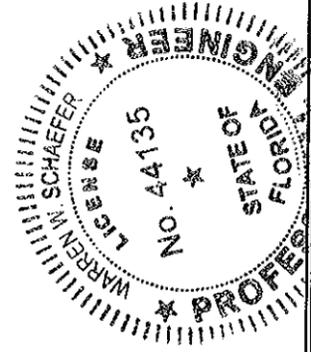
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD AND SIDE JAMB	WOOD
2	SILL JAMB	WOOD
3A	VERTICAL MULLION SECTION	WOOD
3B	VERTICAL MULLION SECTION	WOOD
4	VERTICAL MULLION	WOOD
5	VERTICAL MULLION REINF. COVER	WOOD
6A	HORIZONTAL MULLION SECTION	WOOD
6B	HORIZONTAL MULLION SECTION	WOOD
7	HORIZONTAL MULLION	WOOD
8	HORIZONTAL MULLION REINF. COVER	WOOD
9	INACTIVE MEETING STILE	WOOD
10	ACTIVE MEETING STILE	WOOD
11	STILE AND RAIL	WOOD
12	BOTTOM RAIL (OPERABLE WINDOW)	WOOD
13	BOTTOM RAIL EXTENSION	WOOD
14	MID RAIL	WOOD
15	BOTTOM RAIL DRIP	WOOD
16	NON-I.G. GLAZING BEAD	WOOD
17	I.G. GLAZING BEAD	WOOD
18	ASTRAGAL CAP	WOOD
19	BOTTOM RAIL DRIP	6063-T5 ALUMINUM
20	SILL CLADING	6063-T5 ALUMINUM
21	VERTICAL MULLION REINFORCEMENT	34 KSI GALV. STEEL
22	HORIZONTAL MULLION REINFORCEMENT	34 KSI GALV. STEEL
23	HEAD AND SIDE JAMB INSTALLATION BRACKET	34 KSI GALV. STEEL
24	0.157 X 0.866 X 3.150 WOOD SHIM	1 AT EACH SASH ANCHOR
HARDWARE		
28	MULTI-POINT LOCK SYSTEM (HINGED WINDOW)	ROTO OR SIEGENIA MUSHROOM CAM SYSTEM
29	MULTI-POINT LOCK SYSTEM (TILT-TURN WINDOW)	SIEGENIA MUSHROOM CAM SYSTEM WITH CONCEALED HINGES
30	WINDOW HINGE	SIMONSWERK
31	HANDLE	AS REQUIRED TO OPERATE LOCK SYSTEM
SEALS AND SEALANTS		
36	FRAME GASKET	EPDM BY HAUTAU
37	0.394 X 0.157 PRECOMPRESSED TAPE	-
FASTENERS		
41	0.236 X 3.543 GALV. SCREW	5 1/2" MAX. FROM INTERIOR CORNERS & 14" MAX. O.C.
42	0.157 X 2.953 GALV. SCREW	4" MAX. FROM INTERIOR CORNERS & 14" MAX. O.C.
43	0.138 X 0.984 S.S. SCREW	WITHIN 4" FROM ENDS & 14" MAX. O.C.
44	0.157 X 1.771 GALV. WOOD SCREW	WITHIN 7" FROM ENDS & 24" MAX. O.C.
45	0.157 X 1.969 S.S. SCREW	4" MAX. FROM INTERIOR CORNERS & 14" MAX. O.C.
46	18 GA. X 1 1/4 GALV CURVED NAIL	WITHIN 10" OF CORNERS & 20" MAX. O.C.

NOTE: WOOD USED IN TESTING WAS MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.67 AND A MODULUS OF ELASTICITY OF E = 1,700,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.67 AND MODULUS OF ELASTICITY OF 1,700,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PEETZ WINDOWS & DOORS TO SELECT.



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PLOT: 1=2	DATE: 9/14/05
DATE	BY
REVISION DESCRIPTION	NO.
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CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887
DATE JUN 09 2008	BY WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1439	REV. A
SHEET NO. 9 OF 9	