



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908  
[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Hurd Windows & Doors, Inc.**  
575 South Whelen Avenue  
Medford, WI 54451

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Feel Safe Aluminum Clad Wood Casement Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1403, titled "Feel Safe Aluminum Clad Wood Impact Operable Casement Window, sheets 1 through 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/21/05, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

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

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P.E.



*J. Gascon*  
*6/9/06*

NOA No 06-0130.03  
Expiration Date: June 29, 2011  
Approval Date: June 29, 2006  
Page 1

Hurd Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **1403**, Sheets 1 through 5 of 5, titled "Feel Safe Aluminum Clad Wood Operable Casement Window, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/21/05, 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  
along with marked-up drawings and installation diagram of 6 specimens each consisting of three-panel configuration of aluminum clad casement windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-60529.01-602-18**, dated 10/11-14/05, signed and sealed by Joseph A. Reed, P.E.
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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of 6 specimens each consisting of three-panel configuration of aluminum clad casement windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-522274.04-602.18**, dated 07/28/04, signed and sealed by Joseph A. Reed, P.E.

**C. CALCULATIONS**

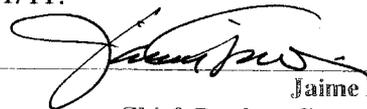
1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/22/06, signed and sealed by Warren W. Schaefer, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **03-0415.13**, issued to OldCastle Glass for "Stormglass Laminated Glass" dated 12/11/03, expiring on 12/18/08.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 05/05/06, expiring on 05/21/11.

  
Jaime D. Gascon

Chief, Product Control Division  
NOA No 06-0130.04

Expiration Date: June 29, 2011  
Approval Date: June 29, 2006

**Hurd Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of compliance issued by W. W. Schaefer Engineering & Consulting, P.A., dated January 24, 2006, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated January 24, 2006, signed and sealed by Warren W. Schaefer, P.E.

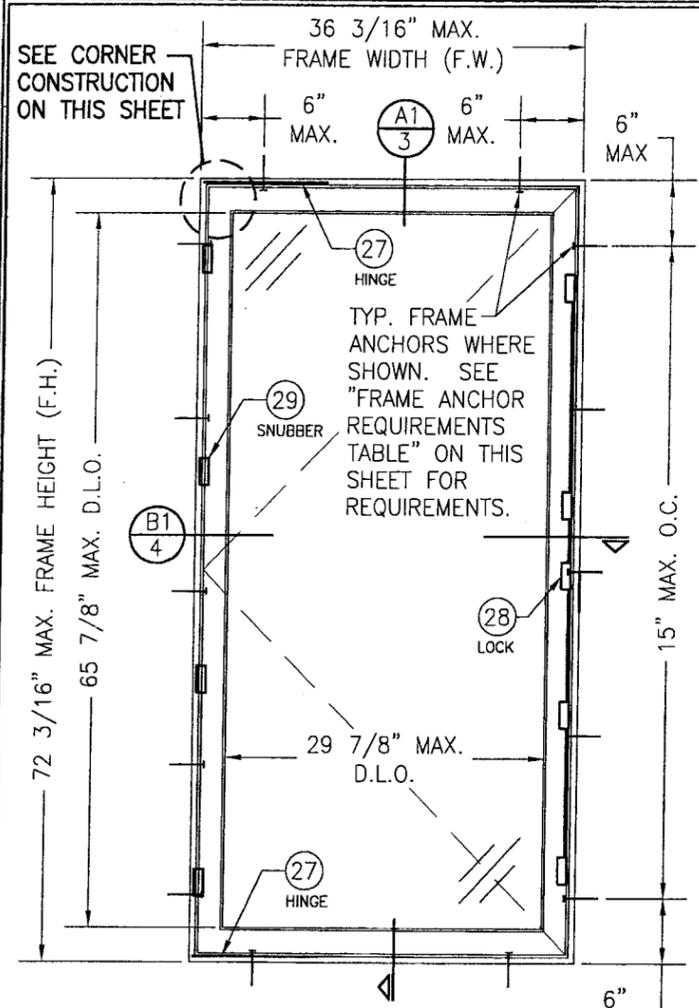
**G. OTHER**

1. Letter from consultant, dated 05/31/06, stating that the product is in compliance with the Florida Building Code (FBC).



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Jaime D. Gascon  
Chief, Product Control Division  
NOA No 06-0130.04  
Expiration Date: June 29, 2011  
Approval Date: June 29, 2006

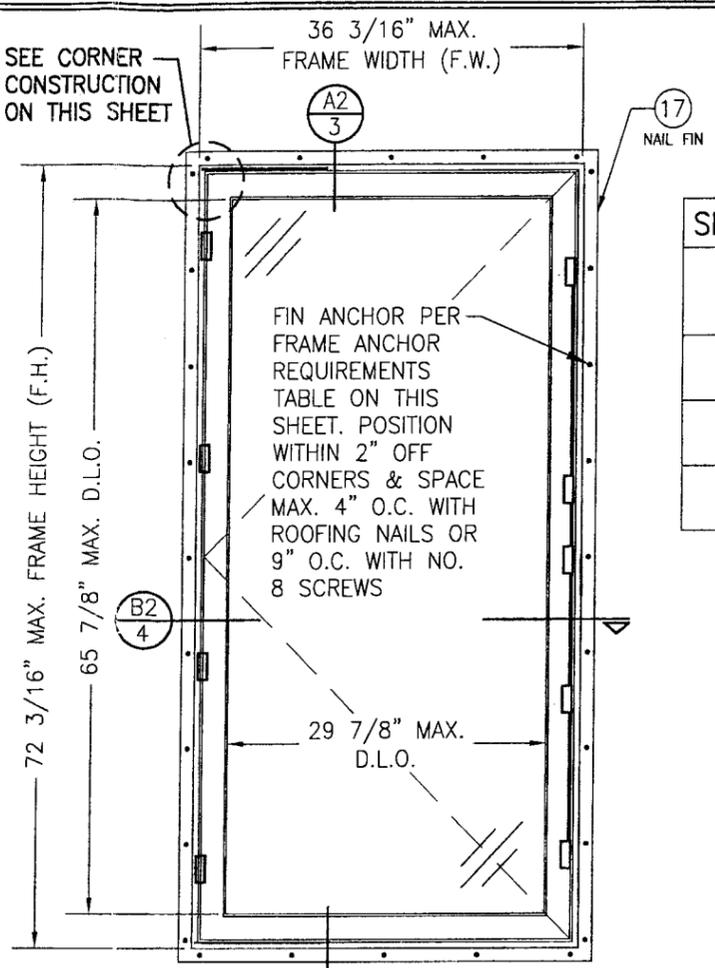


**EXTERIOR ELEVATION  
SINGLE WINDOW  
(FRAME SCREW MOUNT)**  
SCALE: 3/4"=1'-0"

**CORNER CONSTRUCTION:**  
**WOOD FRAME:** SQUARE CUT, RABBETED, SILICONE SEALED & SECURED WITH THREE (3) 16 GA. X 1/2" X 2" CROWN STAPLES.  
**FRAME CLAD:** MITER CUT, JOINED WITH A CORNER KEY & TWO (2) NO. 7 X 1/2" SCREWS & SEALED WITH A FOAM GASKET.  
**WOOD SASH:** MORTISE & TENON CONSTRUCTION AND SECURED WITH TWO (2) 14 GA. X 2 1/2" T-NAILS.  
**SASH CLAD:** SQUARE CUT, BUTTED TOGETHER AND SNAP FIT TO SASH AND SEALED WITH SILICONE.

ALLOWABLE DESIGN PRESSURE (SINGLE & MULTIPLE WINDOWS)		
GLASS OPTIONS	POSITIVE	NEGATIVE
1	65 PSF	70 PSF
2	65 PSF	85 PSF
3	65 PSF	85 PSF

**NOTES:**  
 1. WINDOWS WITH GLASS OPTIONS 2 & 3 ARE LIMITED TO A FRAME SIZE OF 36 3/16" X 60 3/16".  
 2. SEE GLAZING DETAILS ON SHEET 3 FOR DESCRIPTION OF GLASS OPTIONS.



**EXTERIOR ELEVATION  
SINGLE WINDOW  
(FIN MOUNT)**  
SCALE: 3/4"=1'-0"

**SNUBBER REQUIREMENTS**

MAX. WINDOW HEIGHT	NO. OF SNUBBERS REQUIRED
72 3/16"	4
53 3/16"	3
34 3/16" & LESS	2

**LOCK REQUIREMENTS**

MAX. WINDOW HEIGHT	NO. OF LOCK STRIKES
72 3/16"	5
60 3/16"	4
48 3/16"	3
32 3/16" & LESS	2

**FRAME ANCHOR REQUIREMENTS TABLE**

FRAME SCREW MOUNT			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
FIN MOUNT			
2X_ WOOD FRAME OR BUCK	NO. 8 X 1 1/4" SMS SCREWS	1 1/8"	1/2"
2X_ WOOD FRAME OR BUCK	11 GA. X 2" ROOFING NAILS	1 3/4"	1/2"

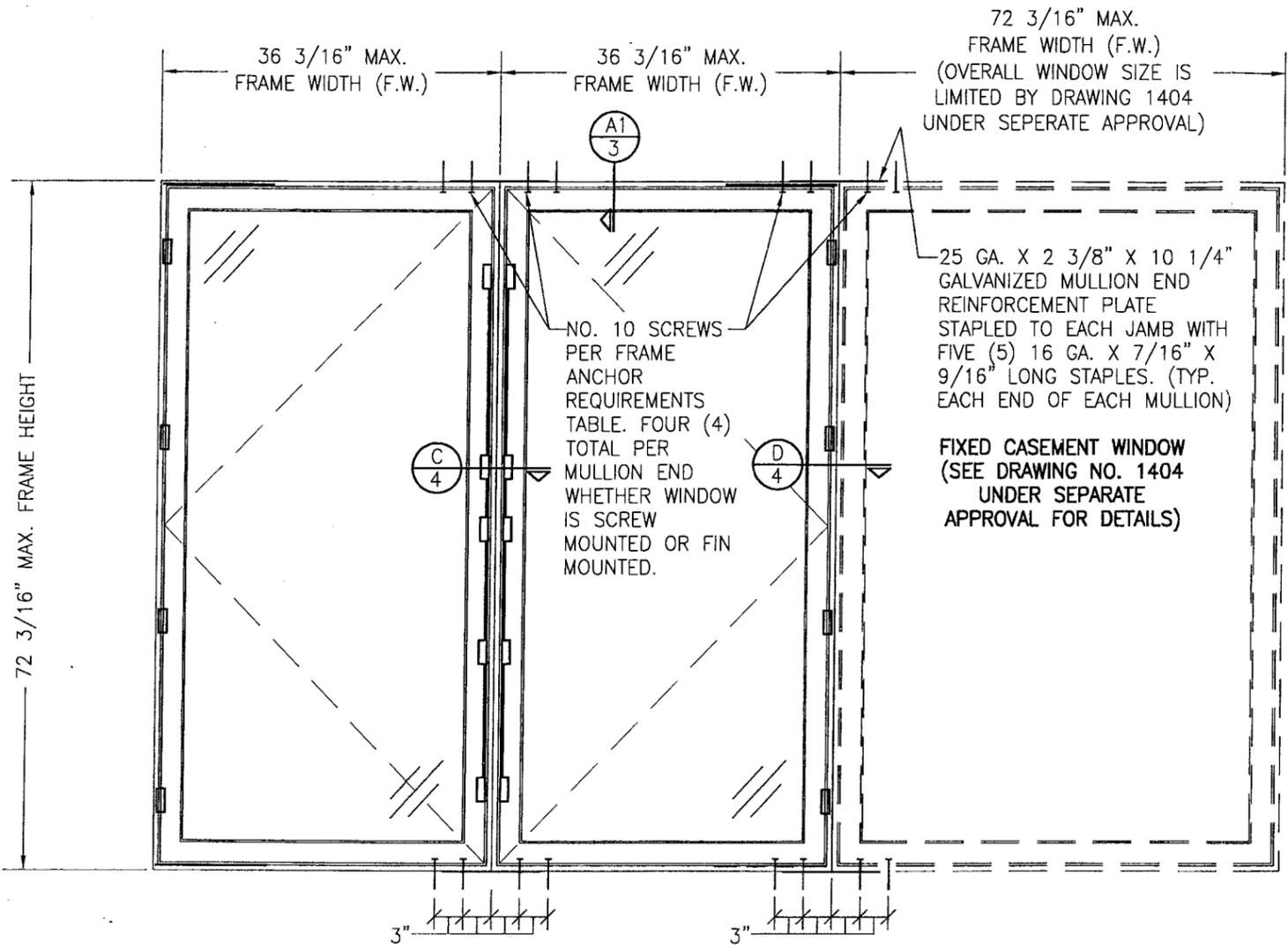
(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

**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.
2. BUCKING, OPENINGS & 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 & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH & MEET THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE (F.B.C.) INCLUDING HVHZ (HIGH VELOCITY HURRICANE ZONES).
5. THESE WINDOWS HAVE BEEN TESTED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, TAS-202 & TAS-203.
6. THESE WINDOW SYSTEMS ARE LARGE MISSILE IMPACT RATED & NEED NOT BE SHUTTERED.
7. ALL WINDOW SIZES SPECIFIED AS ALLOWABLE ARE AS CONTROLLED BY THE TESTED UNITS.
8. GLASS SHALL BE AS SPECIFIED IN THE GLAZING DETAIL(S).
9. ALL FRAME 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.
10. ALL ANCHOR EMBEDMENTS SPECIFIED SHALL BE BEYOND WALL FINISHES.
11. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

Approved as complying with the Florida Building Code  
 Date 06/29/06  
 NOA# 06-0130.03  
 Miami Dade Product Control  
 Division  
 By [Signature]

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 7/21/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE FEEL SAFE ALUMINUM CLAD WOOD IMPACT OPERABLE CASEMENT WINDOW	
MANUFACTURER HURD WINDOWS & DOORS, INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAY 25 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1403	REV.
SHEET NO. 1	OF 5



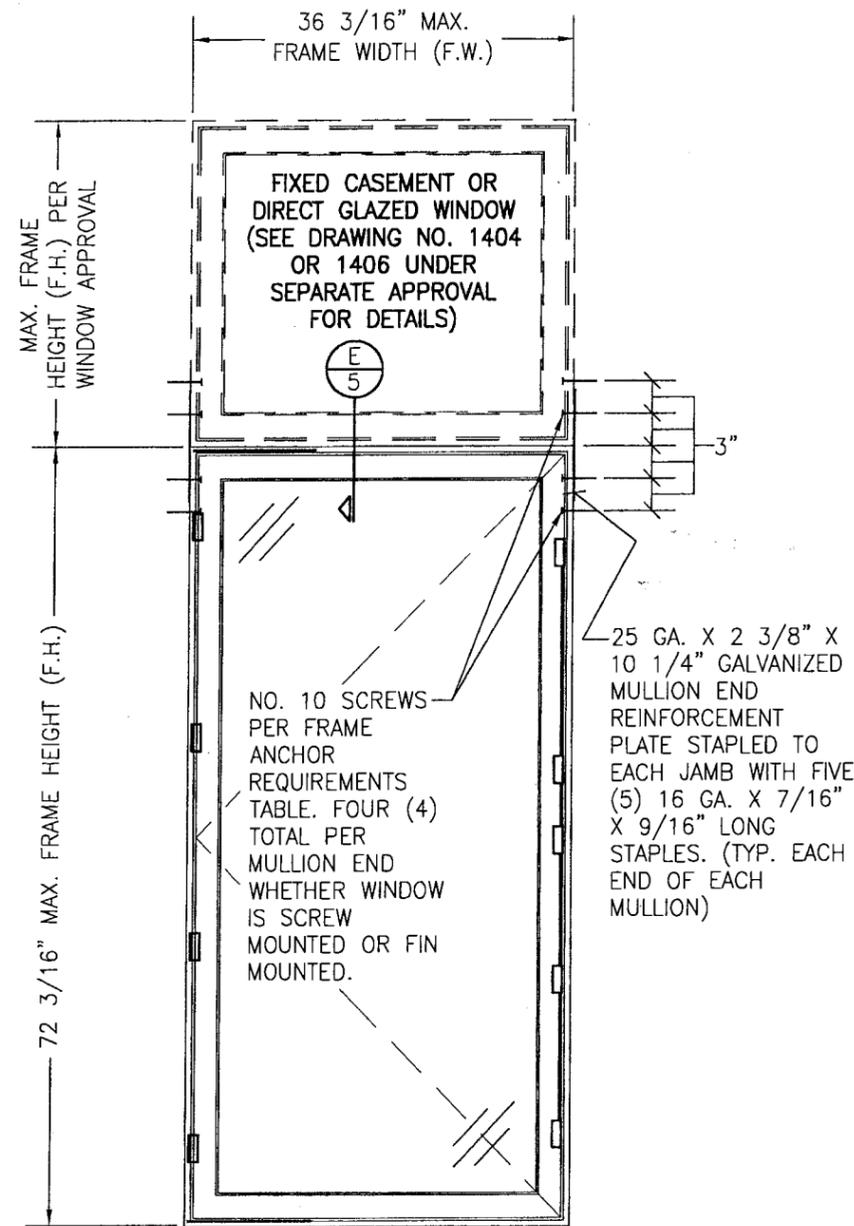
**EXTERIOR ELEVATION  
MULTIPLE OPERABLE/FIXED WINDOWS**

SCALE: 3/4"=1'-0"

(FOR INDIVIDUAL WINDOW INSTALLATION & DETAILS, SEE SINGLE WINDOW ELEVATIONS)  
(TRIPLE WINDOW SHOWN. MORE THAN 3 WINDOWS MAY BE COMBINED  
HORIZONTALLY IN ONE OPENING IN ANY COMBINATION OF FIXED & OPERABLE)  
NOTE: FOR FIXED TO FIXED, SEE DRAWING 1404 UNDER SEPARATE APPROVAL

FOR INFORMATION NOT SHOWN, SEE SINGLE  
WINDOW ELEVATIONS ON SHEET 1

MULLED UNIT ALLOWABLE DESIGN  
PRESSURE & INDIVIDUAL WINDOW  
SIZES WITHIN A MULLED UNIT  
SHALL BE LIMITED BY THE  
INDIVIDUAL WINDOW REQUIREMENTS  
AS SPECIFIED IN THE ALLOWABLE  
DESIGN PRESSURE TABLE ON  
SHEET 1.



**EXTERIOR ELEVATION  
SINGLE WINDOW WITH TRANSOM**

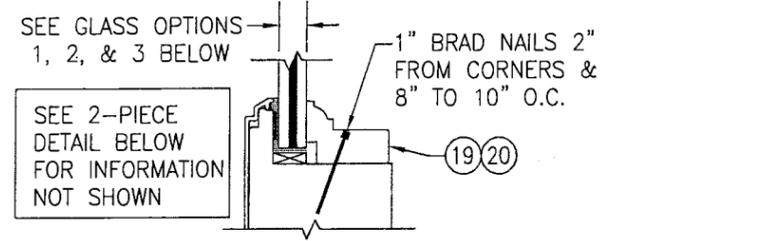
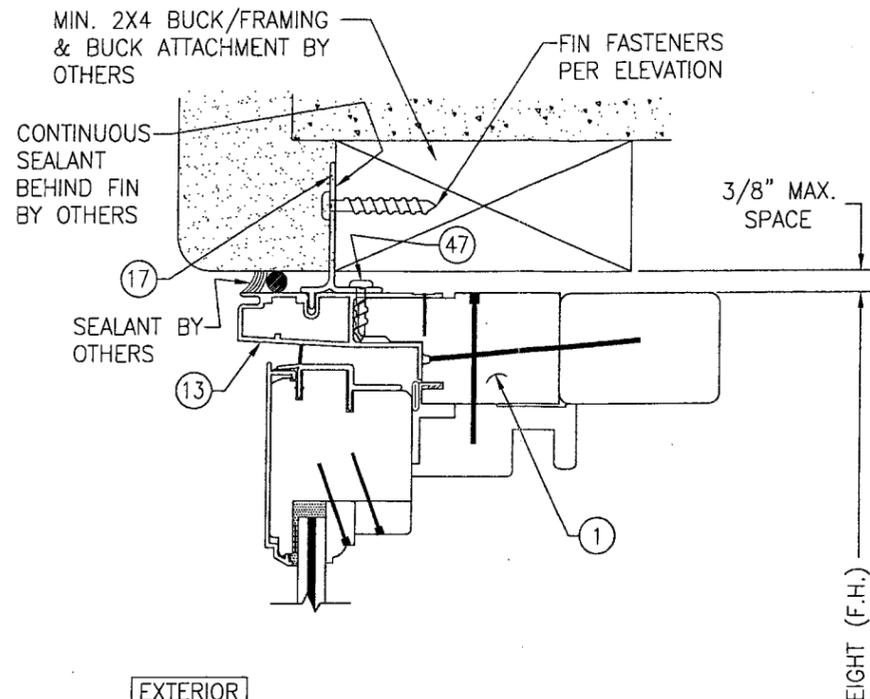
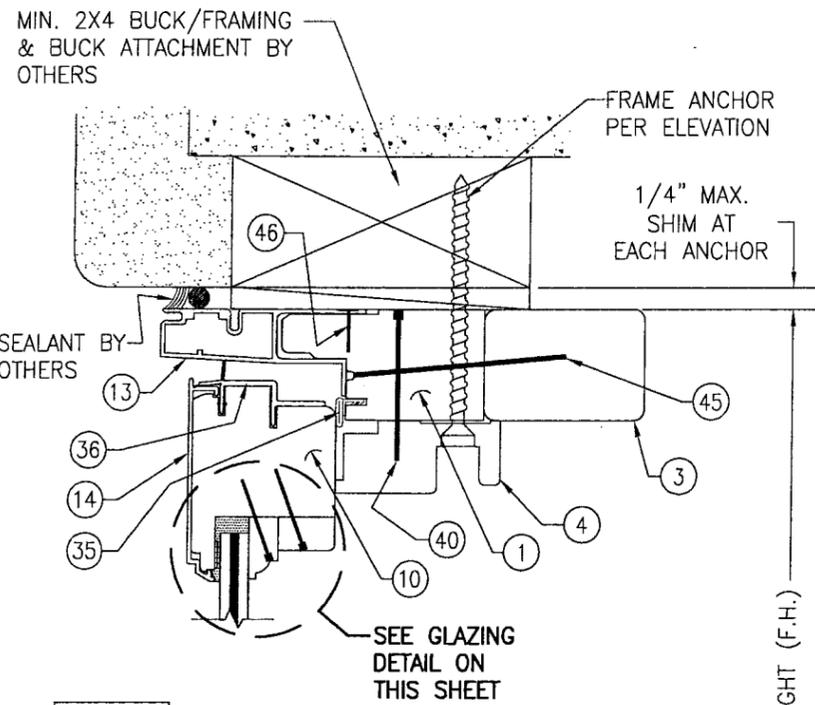
SCALE: 3/4"=1'-0"

(FOR INDIVIDUAL WINDOW INSTALLATION &  
DETAILS, SEE SINGLE WINDOW ELEVATIONS)

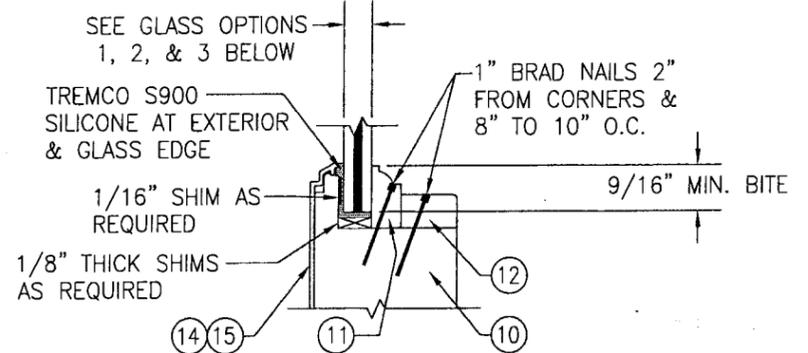
FOR INFORMATION NOT SHOWN, SEE SINGLE  
WINDOW ELEVATIONS ON SHEET 1

Approved as complying with the  
Florida Building Code  
Date 06/29/06  
NOA# 06-0130.03  
Miami-Dade Product Control  
Division  
By: *[Signature]*

DRAWN BY: S.T.R.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 7/21/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE FEEL SAFE ALUMINUM CLAD WOOD IMPACT OPERABLE CASEMENT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER HURD WINDOWS & DOORS, INC. 575 S. HELEN AVE. MEDFORD, WI 54451 800-433-4873	
CERTIFICATION MAY 25 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1403		REV.	
SHEET NO. 2 OF 5			

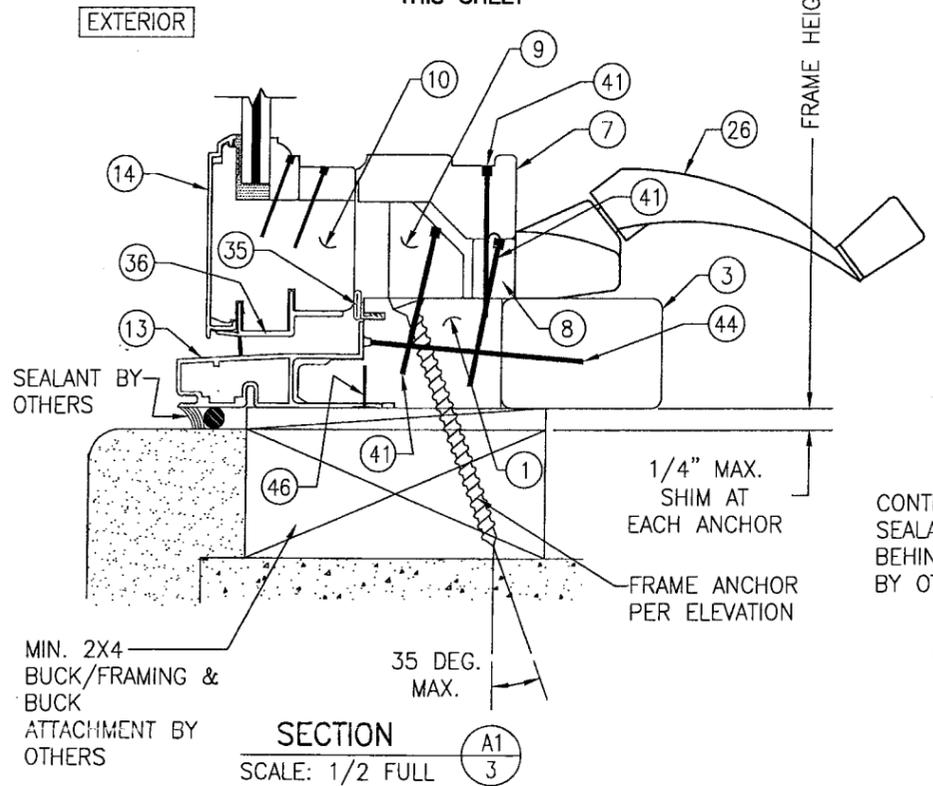


**GLAZING DETAIL WITH 1-PIECE GLAZING BEAD**

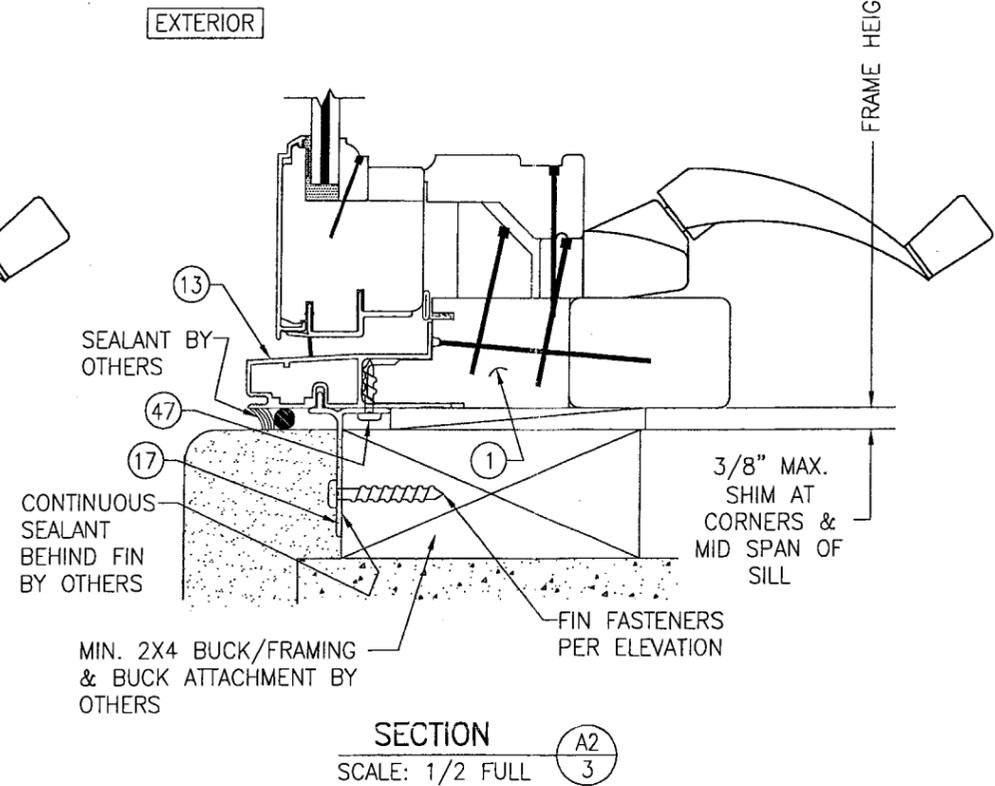


**GLAZING DETAIL WITH 2-PIECE GLAZING BEAD**

- OPTION 1: 3/8" LAMINATED GLASS BY OLDCASTLE (5/32" AN/0.09 SOLUTIA SAFLEX IIIIG PVB/5/32" AN)
- OPTION 2: 9/16" LAMINATED GLASS BY OLDCASTLE (1/4" AN/0.075 OLDCASTLE STORM GLASS/1/4" AN)
- OPTION 3: 9/16" LAMINATED GLASS BY OLDCASTLE (1/4" AN/0.09 SOLUTIA SAFLEX IIIIG PVB/1/4" AN)



**SECTION A1/3**  
SCALE: 1/2 FULL

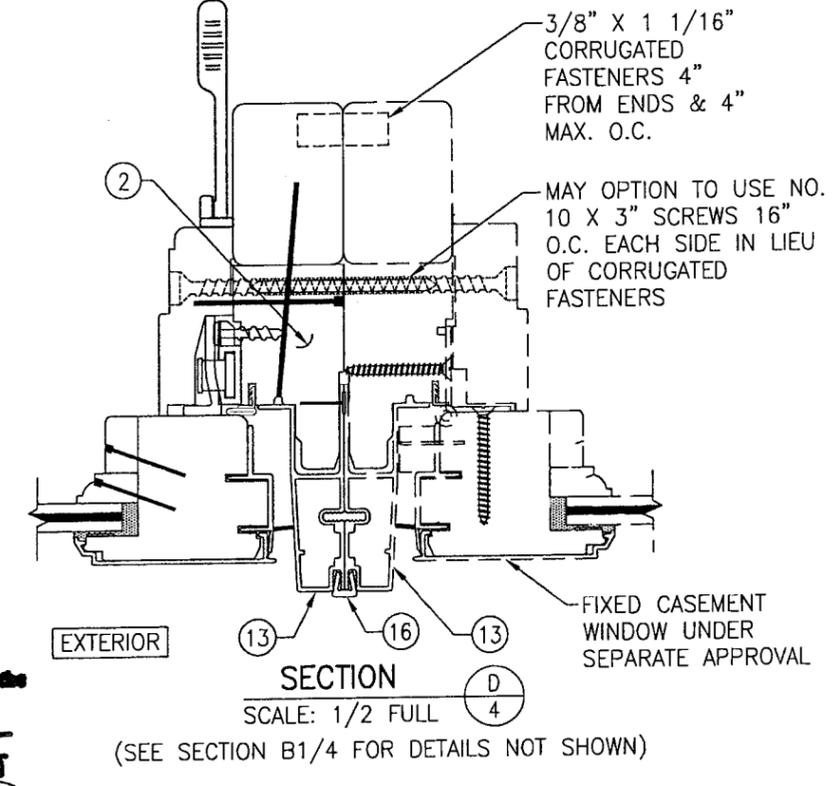
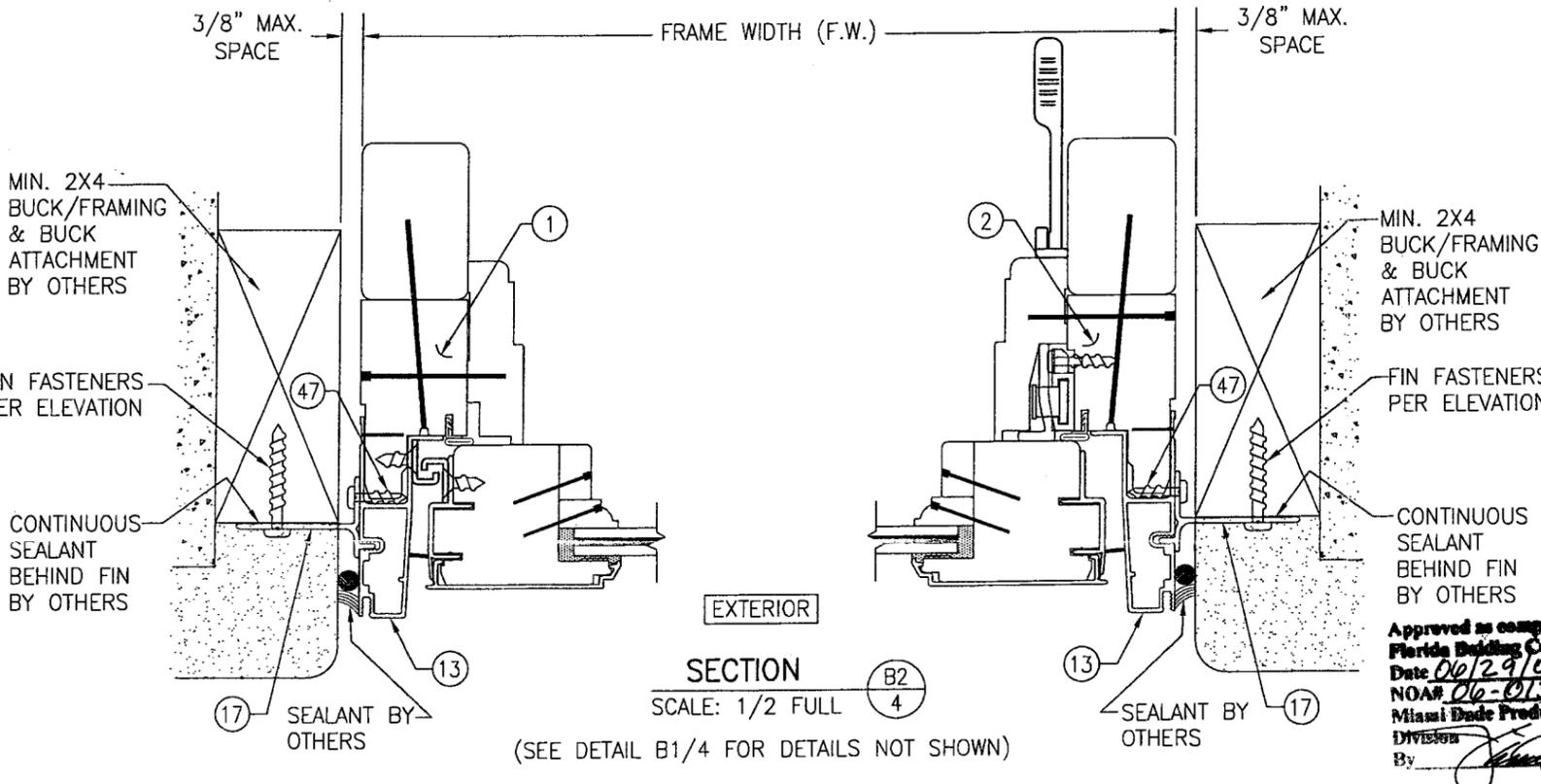
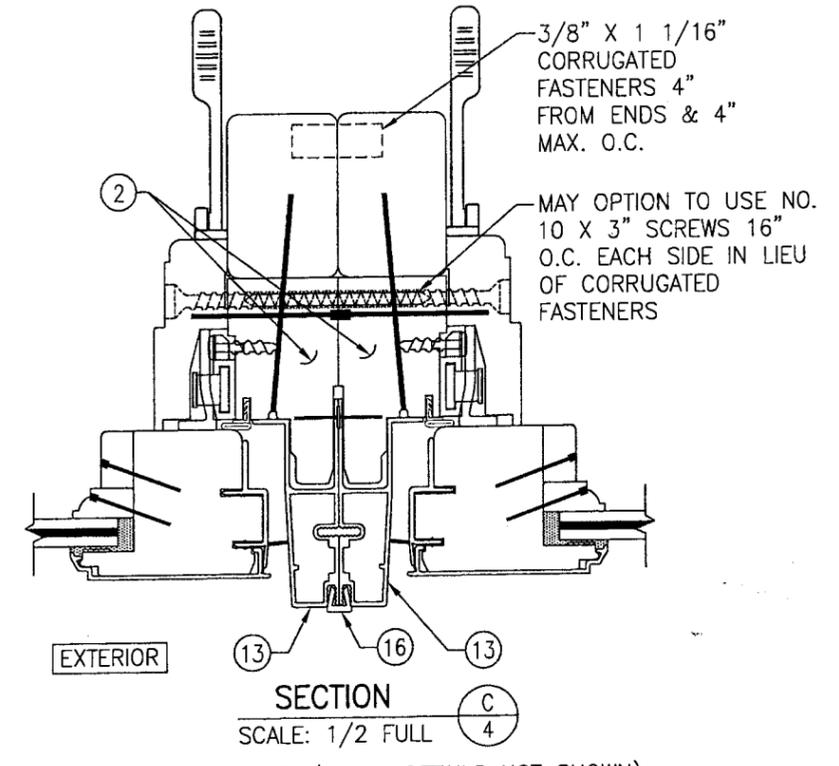
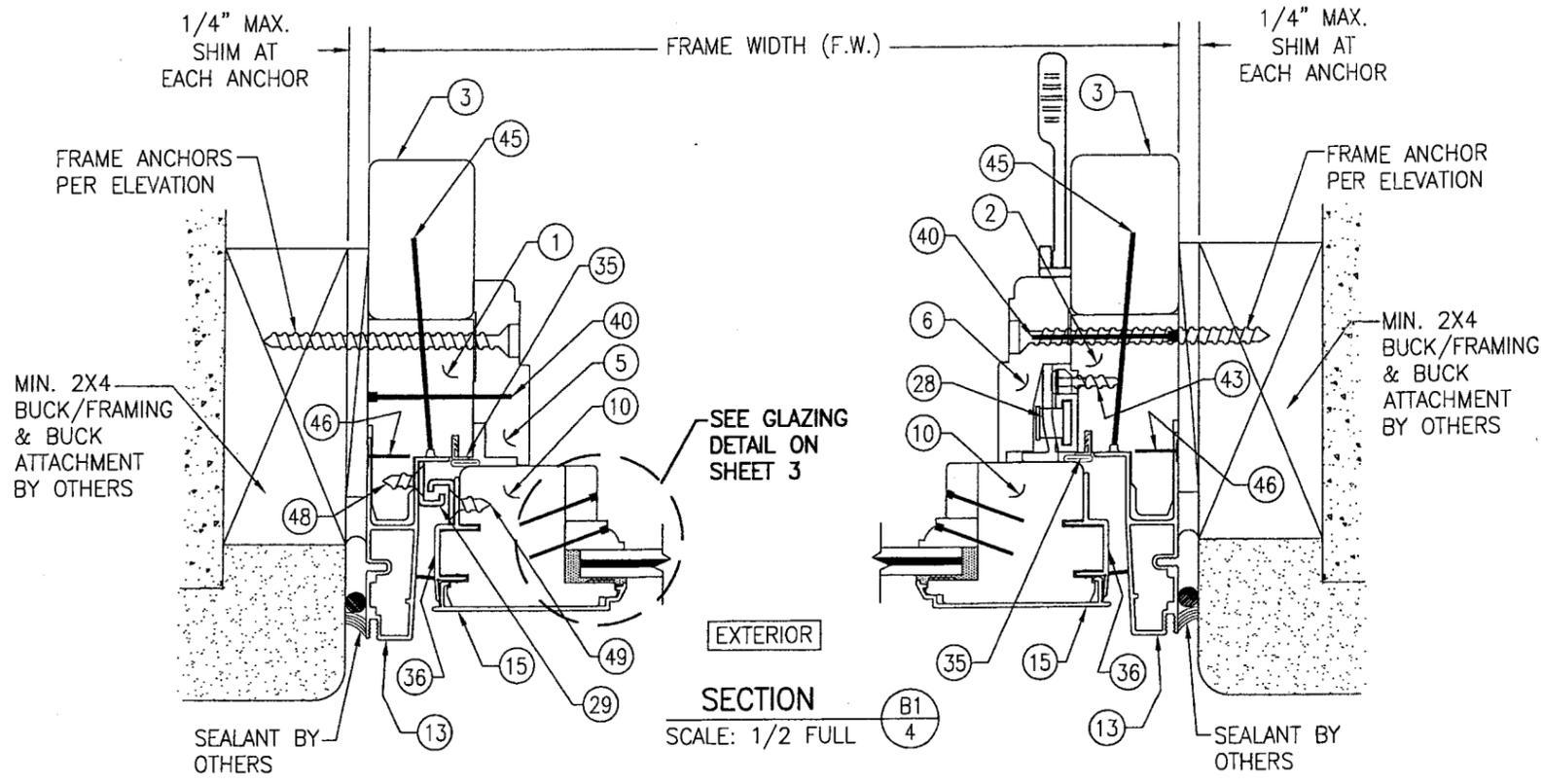


**SECTION A2/3**  
SCALE: 1/2 FULL

(SEE SECTION A1/3 FOR DETAILS NOT SHOWN)

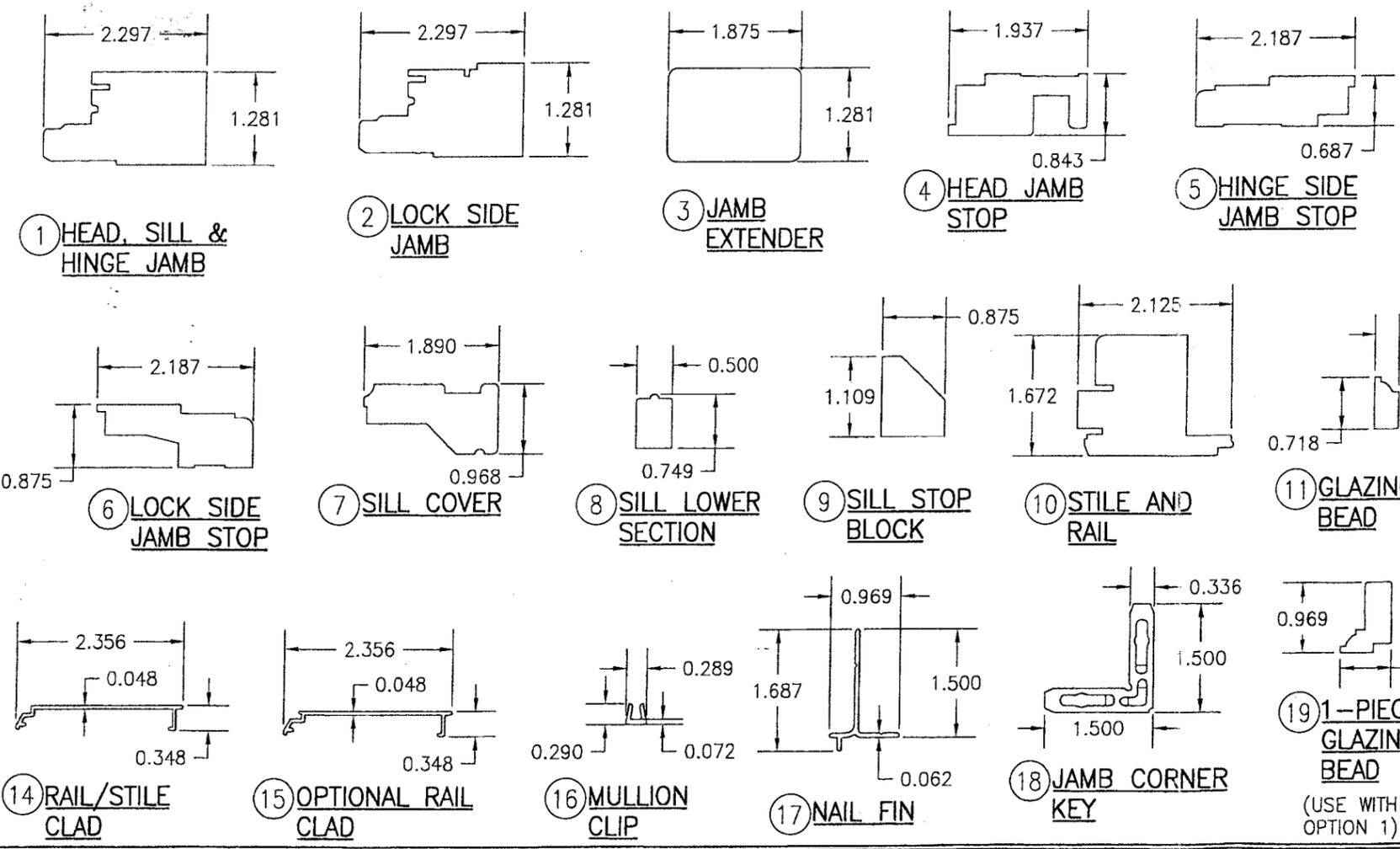
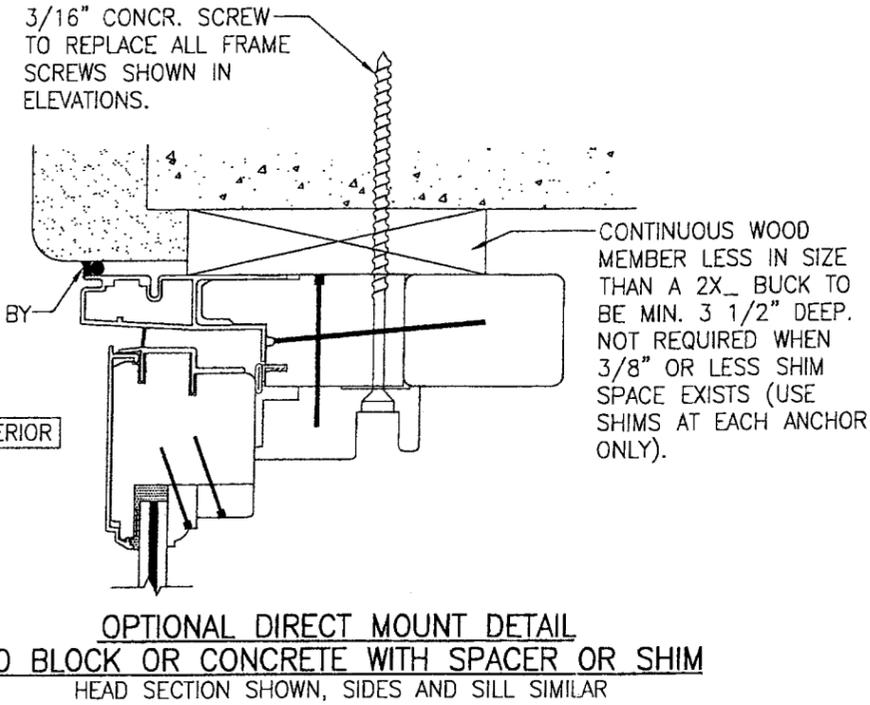
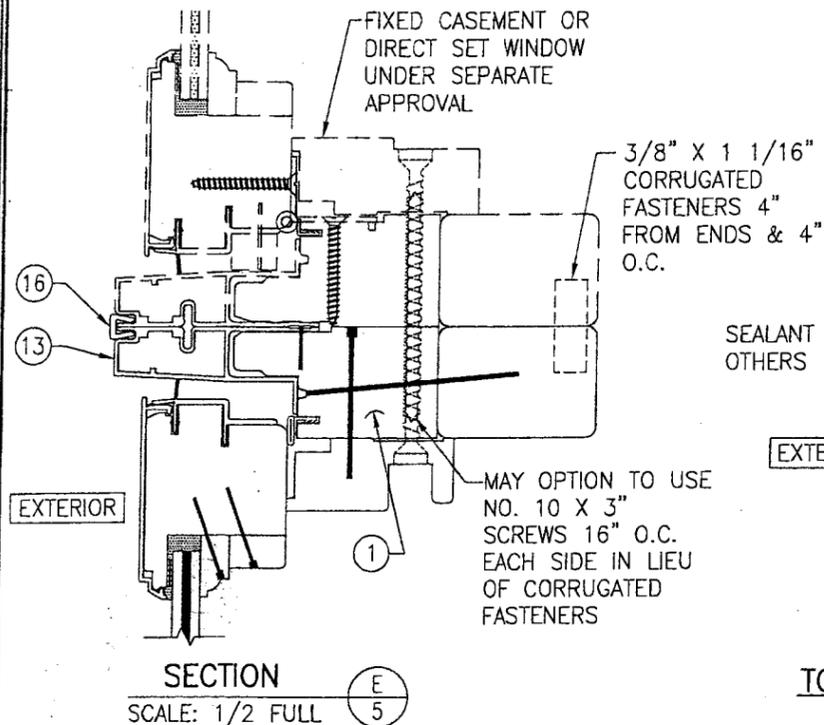
Approved as complying with the Florida Building Code  
 Date: 06/29/06  
 NOA# 06-0150.03  
 Miami-Dade Product Control Division  
 By: [Signature]

DRAWN BY: S.T.R.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 7/21/05	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: FEEL SAFE ALUMINUM CLAD WOOD IMPACT OPERABLE CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: HURD WINDOWS & DOORS, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CERTIFICATION: MAY 25 2006			
WARRICK W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.	SHEET NO.	
1403		3 OF 5	



Approved as complying with the Florida Building Code  
 Date 06/29/06  
 NOAH 06-0130.03  
 Miami Dade Product Control Division  
 By *[Signature]*

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 7/21/05
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE FEEL SAFE ALUMINUM CLAD WOOD IMPACT OPERABLE CASEMENT WINDOW	
MANUFACTURER HURD WINDOWS & DOORS, INC. 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION MAY 2 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1403	REV.
SHEET NO. 4 OF 5	



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	CCSE 215	HEAD, SILL, & HINGE JAMB	* PONDEROSA/SUGAR PINE
2	CCSE 223	LOCK SIDE JAMB	* PONDEROSA/SUGAR PINE
3	CCSE 225	JAMB EXTENDER	* PONDEROSA/SUGAR PINE
4	CCSE 260	HEAD JAMB STOP	* PONDEROSA/SUGAR PINE
5	CCSE 245	HINGE SIDE JAMB STOP	* PONDEROSA/SUGAR PINE
6	CCSE 235	LOCK SIDE JAMB STOP	* PONDEROSA/SUGAR PINE
7	CCSE 285	SILL COVER	* PONDEROSA/SUGAR PINE
8	CCSE 290	SILL LOWER SECTION	* PONDEROSA/SUGAR PINE
9	CCSE 295	SILL STOP BLOCK	* PONDEROSA/SUGAR PINE
10	ECSE 200	STILE AND RAIL	* PONDEROSA/SUGAR PINE
11	ALWD 375	GLAZING BEAD	* PONDEROSA/SUGAR PINE
12	300-0025	STATIONARY BLOCK	* PONDEROSA/SUGAR PINE
13	CCSE 440	JAMB CLAD	6063-T6 ALUMINUM
14	ECSE 400	RAIL/STILE CLAD	6063-T5 ALUMINUM
15	ECSE 405	OPTIONAL RAIL CLAD	6063-T5 ALUMINUM
16	PA 115	MULLION CLIP	6060-T5 ALUMINUM
17	-	NAIL FIN	6063-T6 ALUMINUM
18	CCSE 620	JAMB CORNER KEY	NYLON 66 MATERIAL
19	216273	1-PIECE GLAZING BEAD	* PONDEROSA/SUGAR PINE
20	216275	1-PIECE GLAZING BEAD	* PONDEROSA/SUGAR PINE
HARDWARE			
26	-	OPERATOR	AS REQUIRED
27	CCSE 711	SCISSOR HINGE	⊙ HEAD AND SILL
28	ECSE 155	MULTI-POINT LOCK SYSTEM	TRUTH
29	21642.92	2 PIECE SNUBBER	0.320" X 0.531" X 1.844" LONG STAMPED STEEL
SEALS AND SEALANTS			
35	020546	FRAME WEATHERSTRIP	GREY SANTOPRENE FOAM
36	ECSE 625	SASH WEATHERSTRIP	VINYL
FASTENERS			
40	092748	13 GA. 1 1/2" RING SHANK NAIL	4" FROM CORNERS & 6" TO 12" O.C.
41	011824	16 GA. 1 3/4" T-NAIL	1" FROM CORNERS & 6" TO 10" O.C. ⊙ SILL COVER & SILL LOWER SECTION AND 1 PER SILL BLOCK
43	013801	#8 X 1 1/4" PH S.S. SMS	2 PER LOCK STRIKE
44	010226	AUTO WIRE NAIL	2" FROM CORNERS & 6" TO 8" O.C.
45	024617	2 1/2" X 1" CROWN STAPLE	2" FROM CORNERS & 10 O.C.
46	019892	#18 X 1/2" GSN STAPLE	2" FROM CORNERS & 7" TO 10" O.C.
47	-	#6 X 5/8" PH SCREW	2" FROM CORNERS & 9" O.C.
48	-	NO. 8 X 1 1/4" S.S. SMS	2 PER SNUBBER INTO SASH
49	-	NO. 7 X 1/2" S.S. SMS	2 PER SNUBBER INTO FRAME

\* WOOD USED WITH TEST UNITS WAS GRADE 2 PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.

NOTE: ALL WOOD IS RECEIVED BY HURD MILLWORK AS GRADE 2, BUT IS MACHINED BY HURD TO A SELECT GRADE USE.

Approved as complying with the Florida Building Code  
 Date 06/29/06  
 NOAF 06-0130.03  
 Miami Dade Product Control Division  
 By *[Signature]*

DRAWING TITLE <b>FEEL SAFE ALUMINUM CLAD WOOD IMPACT OPERABLE CASEMENT WINDOW</b>	DRAWN BY: S.T.R. PLOT: 1=2 DATE: 7/21/05	CHECKED BY: W.W.S.
REVISION DESCRIPTION NO. BY DATE	MANUFACTURER <b>HURD WINDOWS &amp; DOORS, INC.</b> 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	CERTIFICATION MAY 25 2006 WAREY W. SCHAEFER, P.E. P.E. NO. 44153	DRAWING NO. <b>1403</b> SHEET NO. <b>5 OF 5</b>