



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
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/building/](http://www.miamidade.gov/building/)

**HWD Acquisition, Inc. dba Hurd Windows & Doors**  
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 and accepted by Miami-Dade County BNC - 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. BNC 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 "Feel Safe" Aluminum Clad Wood Fixed Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1404, titled "Feel Safe Aluminum Clad Wood Impact Fixed Casement Window", sheets 1 through 6 of 6, dated 07/21/05 with revision B1 dated 06/29/11, 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 and renews NOA # 09-0714.06 and 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 **Manuel Perez, P.E.**



NOA No. 11-0517.03  
Expiration Date: June 29, 2016  
Approval Date: July 14, 2011  
Page 1

**HWD Acquisition, Inc. dba Hurd Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **1404**, Sheets 1 through 6 of 6, titled "Series Feel Safe Aluminum Clad Wood Impact Fixed Casement Window", dated 07/21/05 with revision B1 dated 06/29/11, prepared by W. W. Schaefer Engineering and 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 203-94along with marked-up drawings and installation diagram of an aluminum clad wood fixed window, prepared by Stork Twin City Testing Corporation, Test Report No. **STCTC-180-7776.1** dated 03-04-09, signed and sealed by Tom Kolden, P.E.  
*(Submitted under previous NOA #09-0714.06)*
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 203-94along with marked-up drawings and installation diagram of an aluminum clad wood fixed window, prepared by Stork Twin City Testing Corporation, Test Report No. **STCTC-180-7251**, dated 11/20/06, signed and sealed by Thomas Kolden, P.E.  
*(Submitted under previous NOA #09-0714.06)*
3. 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 203-94along with marked-up drawings and installation diagram of an aluminum clad wood fixed window, prepared by Stork Twin City Testing Corporation, Test Report No. **STCTC-180-7252**, dated 11/20/06, signed and sealed by Thomas Kolden, P.E.  
*(Submitted under previous NOA #09-0714.06)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-0517.03

Expiration Date: June 29, 2016  
Approval Date: July 14, 2011

**HWD Acquisition, Inc. dba Hurd Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (CONTINUED)**

4. 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 marked-up drawings and installation diagram of 6 specimens, each consisting of three-panel configuration of aluminum clad wood casement windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-52274.04-602-18**, dated 07/07-28/04, signed and sealed by Joseph A. Reed, P.E.  
*(Submitted under previous NOA #06-013.04)*
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) 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 wood fixed windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-57726.01-201-44**, dated 07/07-28/04, signed and sealed by Joseph A. Reed, P.E.  
*(Submitted under previous NOA #06-0130.04)*
6. 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 fixed and casement stationary windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-58961.01-602-18**, dated 07/28/05, signed and sealed by Joseph A. Reed, P.E.  
*(Submitted under previous NOA #06-0130.04)*

**C. CALCULATIONS:**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 05/12/11, prepared by W. W. Schaefer Engineering and Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E1300-04.

**D. QUALITY ASSURANCE**

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0517.03

Expiration Date: June 29, 2016  
Approval Date: July 14, 2011

**HWD Acquisition, Inc. dba Hurd Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **08-1118.07** issued to **Oldcastle Glass Inc.** for their "**StormGlass Glass Interlayer**", dated 03/05/09, expiring on 12/11/13.
2. Notice of Acceptance No. **09-0223.05** issued to **Solutia, Inc.** for their "**Saflex Multi-layer Glass Interlayer**" dated 04/08/09, expiring on 04/08/14. Solutia, Inc. for "**Saflex/Keepsafe Maximum**" dated 05/05/06, expiring on 05/21/11.

**F. STATEMENTS**

1. Statement letter of conformance dated, 05/12/11, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated 05/12/11, signed and sealed by Warren W. Schaefer, P.E.
3. Asset purchase and Sale Agreement dated October 15, 2008, among **Monarch Holdings, Inc.** and **Hurd Windows & Doors, Inc.** as Sellers and **HWD Acquisition, Inc.** as Purchaser.

**G. OTHERS**

1. Notice of Acceptance No. **09-0714.06**, issued to Hurd Windows & Doors, Inc. for their Series Feel Safe Aluminum Clad Wood Fixed Window – L.M.I., approved on 10/21/09 and expiring on 03/29/11.

  
Manuel Pérez, P.E.  
Product Control Examiner

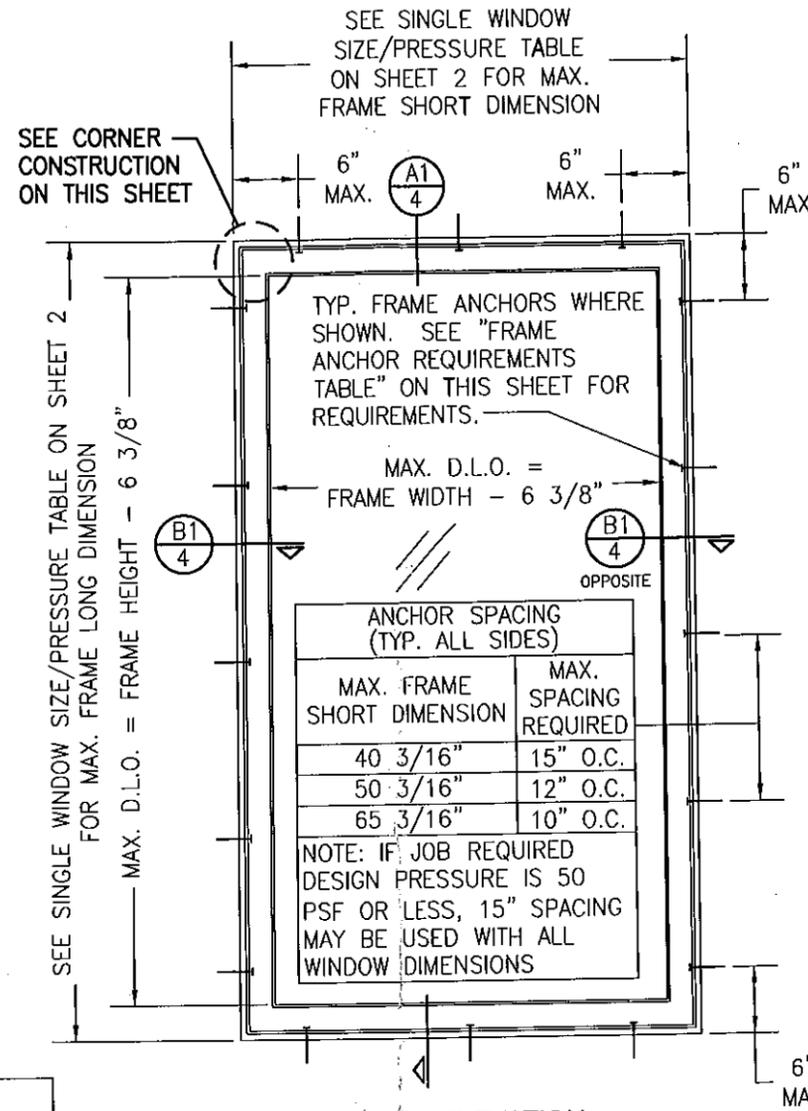
NOA No. 11-0517-03  
Expiration Date: June 29, 2016  
Approval Date: July 14, 2011

**GENERAL NOTES:**

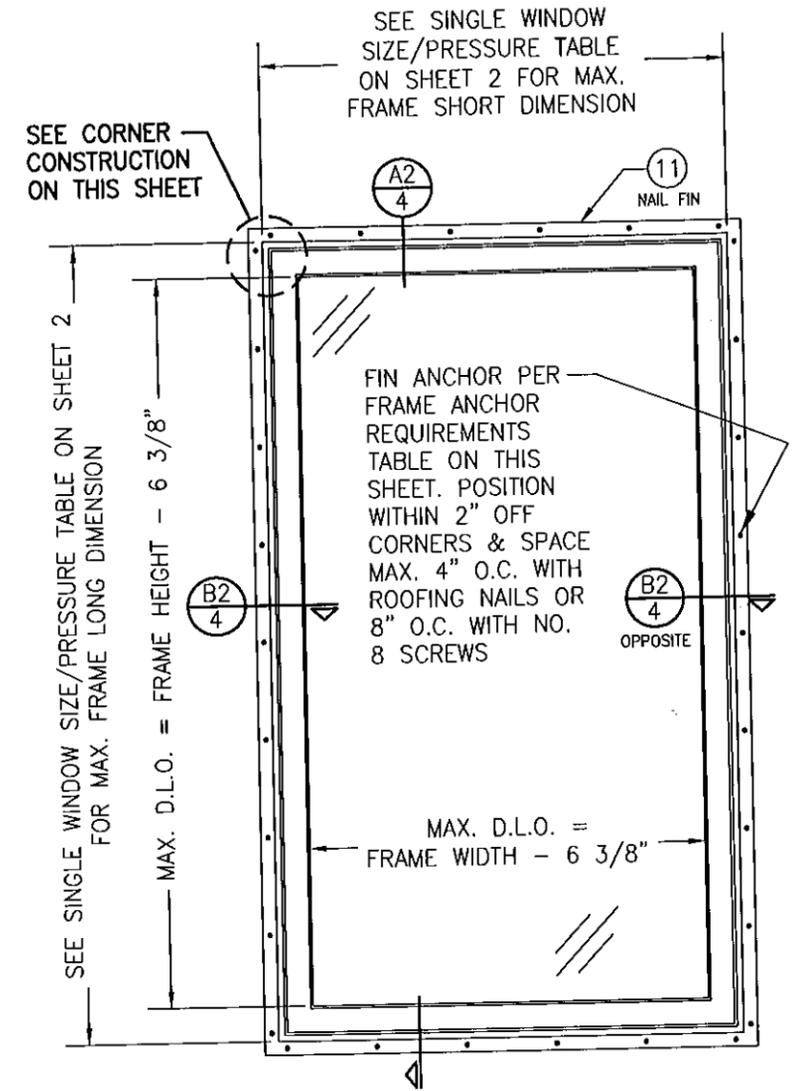
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS 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  $K_d = 0.85$  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  $C_d = 1.6$  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 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.



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



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

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
<b>FRAME SCREWS</b>			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
<b>(2) NAILING FIN FASTENERS</b>			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 1/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/4"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).  
 (2) NAIL FIN SCREWS SHALL BE A PAN HEAD OR HEX HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.

**ALLOWABLE DESIGN PRESSURE**  
SEE SINGLE WINDOW SIZE/PRESSURE TABLE ON SHEET 2

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 11-0517-03  
 Expiration Date, JUNE 29, 2016

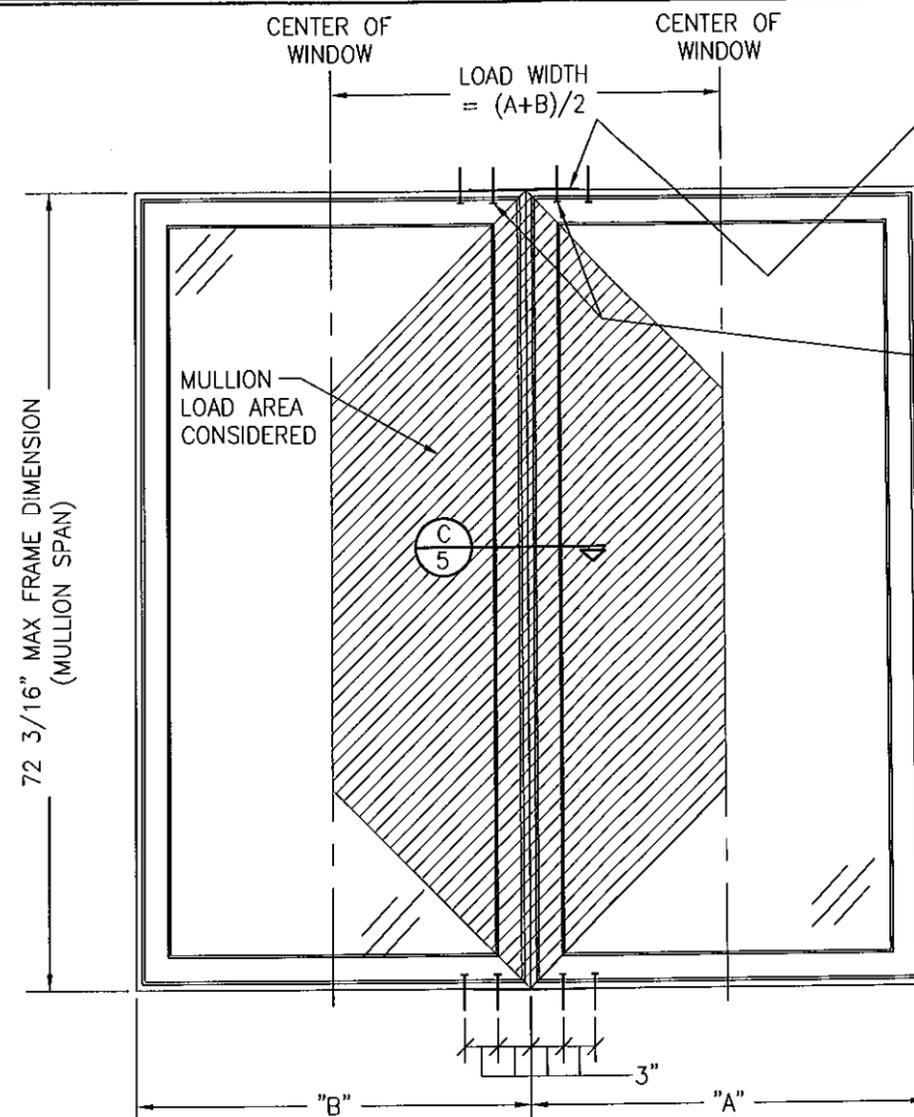


By *Warren W. Schaefer*  
 Miami Dade Product Control

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
DATE: 03/27/07	DATE: 7/21/05
NO. 1	NO. 1
REVISION DESCRIPTION	REVISION DESCRIPTION
A1 REVISED WINDOW SIZES: GLASS & GLAZING	B1 ADD TWIN WINDOW WITH TRANSOM CONDITION
W.W.S. 06/30/09	W.R.M. 06/29/11
DRAWING TITLE: FEEL SAFE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW MANUFACTURER: HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS 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	JUN 29 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1404	REV. C
SHEET NO. 1 OF 6	

ALLOWABLE SINGLE WINDOW SIZE/DESIGN PRESSURE									
MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1		GLASS OPTION 2		GLASS OPTION 3		GLASS OPTIONS 4 & 5	
		POS	NEG	POS	NEG	POS	NEG	POS	NEG
144	45								
	29			65.0	70.0	65.0	80.0	65.0	70.0
	18	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
132	50					65.0	80.0		
	32			65.0	70.0	65.0	80.0	65.0	70.0
	22			65.0	85.0	65.0	80.0	65.0	70.0
	18	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
120	55					65.0	80.0		
	36			65.0	70.0	65.0	80.0	65.0	70.0
	24			65.0	85.0	65.0	80.0	65.0	70.0
	21	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
108	61					65.0	80.0		
	40			65.0	70.0	65.0	80.0	65.0	70.0
	24	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
101	65					65.0	80.0		
	42			65.0	70.0	65.0	80.0	65.0	70.0
	28			65.0	85.0	65.0	80.0	65.0	70.0
	24	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
96	65					65.0	80.0		
	44			65.0	70.0	65.0	80.0	65.0	70.0
	30			65.0	85.0	65.0	80.0	65.0	70.0
	27	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
90	65					65.0	80.0		
	48			65.0	70.0	65.0	80.0	65.0	70.0
	32			65.0	85.0	65.0	80.0	65.0	70.0
	29	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
84	65					65.0	80.0		
	51			65.0	70.0	65.0	80.0	65.0	70.0
	34			65.0	85.0	65.0	80.0	65.0	70.0
	31	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
78	65					65.0	80.0		
	55			65.0	70.0	65.0	80.0	65.0	70.0
	37			65.0	85.0	65.0	80.0	65.0	70.0
	33	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
72	65					65.0	80.0		
	60			65.0	70.0	65.0	80.0	65.0	70.0
	40			65.0	85.0	65.0	80.0	65.0	70.0
	36	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
64	65					65.0	80.0		
	45			65.0	70.0	65.0	80.0	65.0	70.0
	40	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
60	60					65.0	80.0		
	48			65.0	70.0	65.0	80.0	65.0	70.0
	43	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0
52	52					65.0	80.0		
	50			65.0	70.0	65.0	80.0	65.0	70.0
	48	65.0	70.0	65.0	85.0	65.0	80.0	65.0	70.0

NOTES:  
1. SEE GLAZING DETAILS FOR GLAZING OPTIONS  
2. CROSSED OUT BOXES DESIGNATE SIZES NOT ACCEPTABLE FOR THE RESPECTIVE GLASS OPTION.  
3. ALL DIMENSIONS ARE +/- 3/16"



EXTERIOR ELEVATION:  
**MULTIPLE SIDE-BY-SIDE FIXED WINDOWS**  
SCALE: 3/4"=1'-0"  
(FOR INDIVIDUAL WINDOW INSTALLATION & DETAILS, SEE SINGLE WINDOW ELEVATIONS)  
(DOUBLE WINDOW SHOWN. MORE THAN 2 WINDOWS MAY BE MULLED TOGETHER IN ONE DIRECTION INTO ONE OPENING.)  
NOTE: MULLION MAY BE HORIZONTAL OR VERTICAL

ALLOWABLE PRESSURE (SIDE-BY-SIDE UNITS)			
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (P.S.F.)	
		POSITIVE	NEGATIVE
72	60	61.8	66.5
	54	65.0	70.0
66	66	65.0	70.0
60	72	65.0	70.0
60	48	65.0	85.0

LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT ALLOWED FOR THE INDIVIDUAL WINDOW SHALL CONTROL AS ALLOWABLE FOR THE OVERALL UNIT.  
LOAD WIDTH VALUES ARE +/- 1/2"

25 GA. X 2 3/8" X 10 1/4" GALVANIZED MULLION END REINFORCEMENT PLATE STAPLED TO EACH JAMB WITH TEN(10) 16 GA. X 7/16" X 9/16" LONG STAPLES. (TYP. EACH END OF EACH MULLION)

NO. 10 SCREWS PER FRAME ANCHOR REQUIREMENTS TABLE. FOUR (4) TOTAL PER MULLION END WHETHER WINDOW IS SCREW MOUNTED OR FIN MOUNTED.

**MULTIPLE UNIT NOTES:**

1. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR THE ALLOWABLE MULLION PRESSURE. SEE MULLION LOAD TABLE ON THIS SHEET FOR ALLOWABLE UNIT PRESSURE.
2. WINDOWS MAY BE STACKED HORIZONTAL OR VERTICAL. TO INSURE THAT THE DEAD WEIGHT OF THE ABOVE WINDOW(S) WILL NOT CAUSE UNDO STRESS ON THE BELOW WINDOW, WHEN VERTICALLY STACKED, THE MANUFACTURER/INSTALLER SHALL LIMIT THE SAG OF THE HORIZONTAL MULLION TO MAX. 1/8".

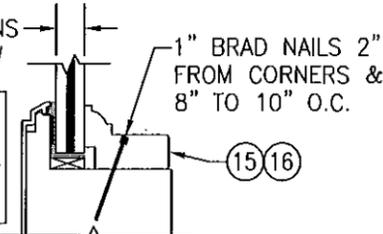
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 11-051703 Expiration Date June 29, 2016  
By *Manuel Jose* Miami Dade Product Control



DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 7/21/05
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE: FEEL SAFE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW	
MANUFACTURER: HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS 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	JUN 29 2011
DRAWING NO. 1404	REV. C
SHEET NO. 2	OF 6

SEE GLASS OPTIONS  
1, 2 & 3 BELOW

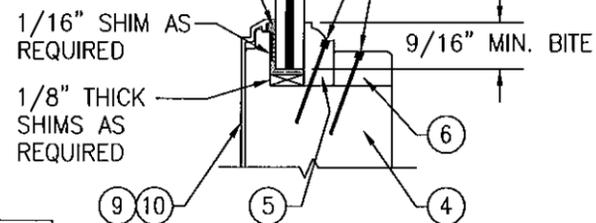
SEE 2-PIECE  
DETAIL FOR  
INFORMATION NOT  
SHOWN



**NON-I.G. GLAZING DETAIL WITH  
1-PIECE GLAZING BEAD**

WHEN USING TREMCO  
S900, THE OVERALL  
WINDOW FRAME AREA  
MAY NOT EXCEED  
30.4 S.F.

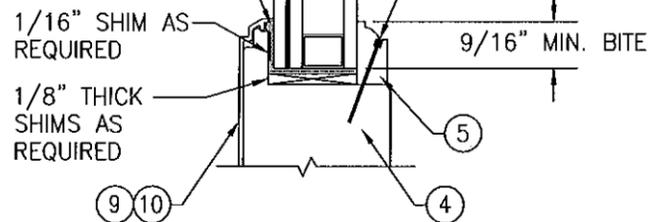
TREMCO S900, TREMCO  
S700 OR DOW 995 AT  
EXTERIOR & GLASS  
EDGE



**NON-I.G. GLAZING DETAIL WITH  
2-PIECE GLAZING BEAD**

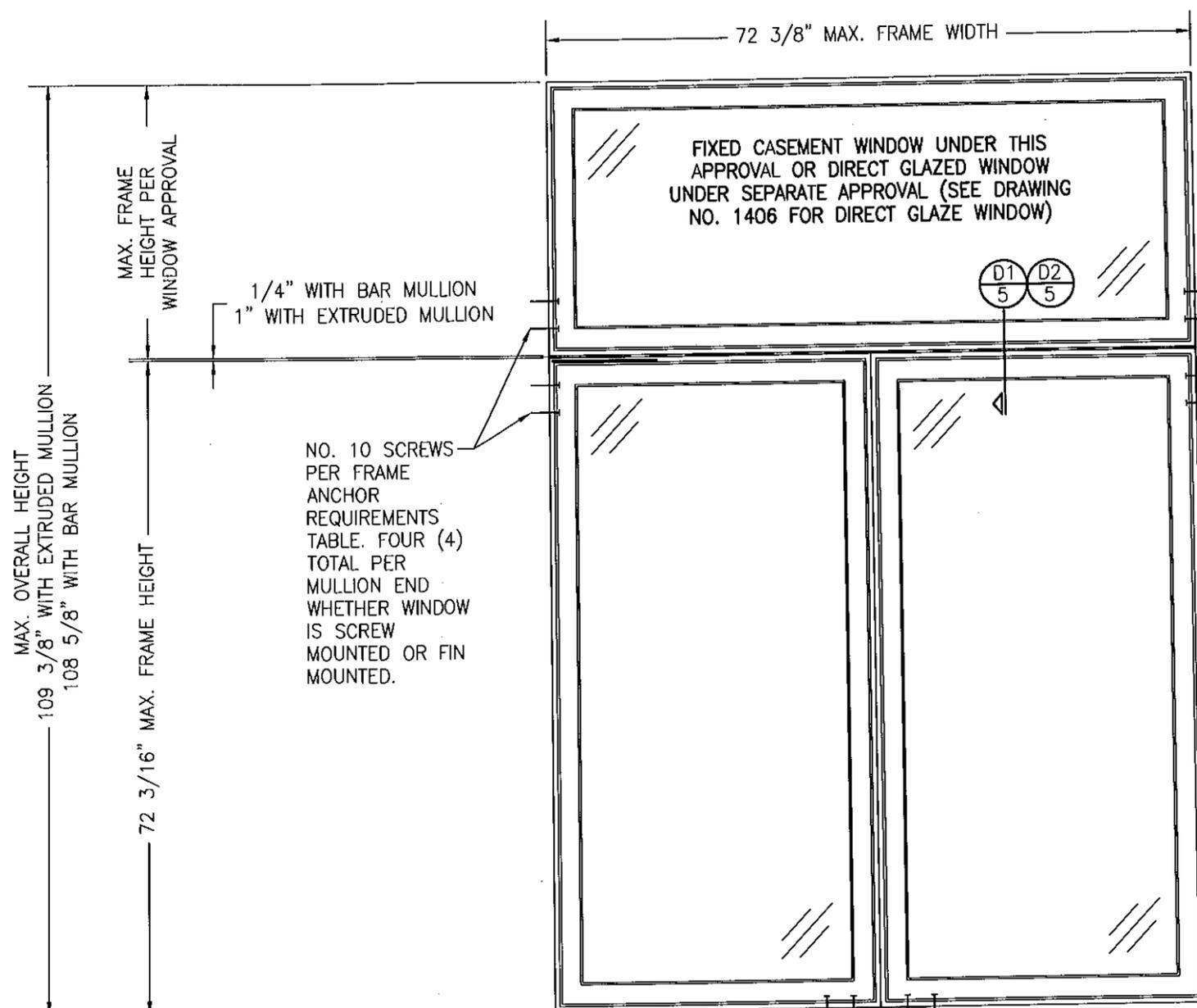
WHEN USING TREMCO  
S900 WITH GLASS  
OPTION 4, THE  
OVERALL WINDOW  
FRAME AREA MAY  
NOT EXCEED 29.9  
S.F.

TREMCO S900, TREMCO  
S700 OR DOW 995 AT  
EXTERIOR & GLASS  
EDGE



**I.G. GLAZING DETAIL WITH  
1-PIECE GLAZING BEAD**

- OPTION 1: 3/8" LAMINATED GLASS BY SOLUTIA (5/32" AN/0.09 SOLUTIA SAFLEX IIIIG PVB/5/32" AN).
- OPTION 2: 9/16" LAMINATED OLDCASTLE STORMGLASS (1/4" AN/0.075 SOLUTIA VANCEVA/1/4" AN).
- OPTION 3: 9/16" LAMINATED OLDCASTLE STORMGLASS (1/4" HT. ST./0.075 SOLUTIA VANCEVA/1/4" HT. ST.).
- OPTION 4: 1" I.G. GLASS WITH 3/8" EXTERIOR LAMINATED GLASS BY SOLUTIA (5/32" HT. ST./0.09 SOLUTIA SAFLEX IIIIG PVB/5/32" HT. ST.), 7/16" SPACER & 5/32" TEMPERED AT INTERIOR
- OPTION 5: 1" I.G. GLASS WITH 7/16" EXTERIOR LAMINATED GLASS BY OLD CASTLE (3/16" HT. ST./0.075 STORMGLASS/3/16" HT. ST.), 3/8" SPACER & 3/16" TEMPERED AT INTERIOR



**EXTERIOR ELEVATION:  
TWIN WINDOW WITH TRANSOM**

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

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

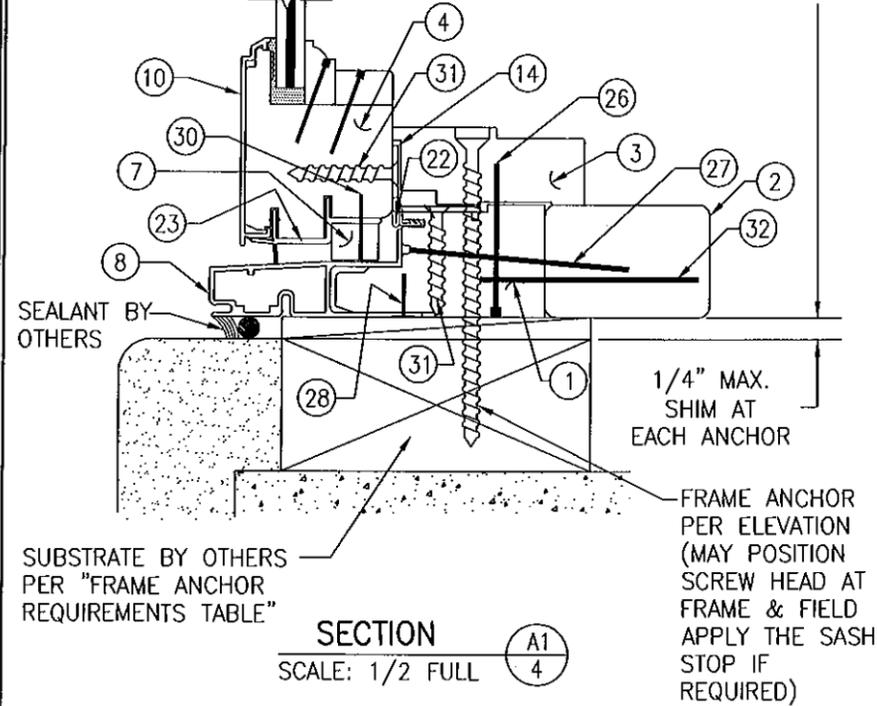
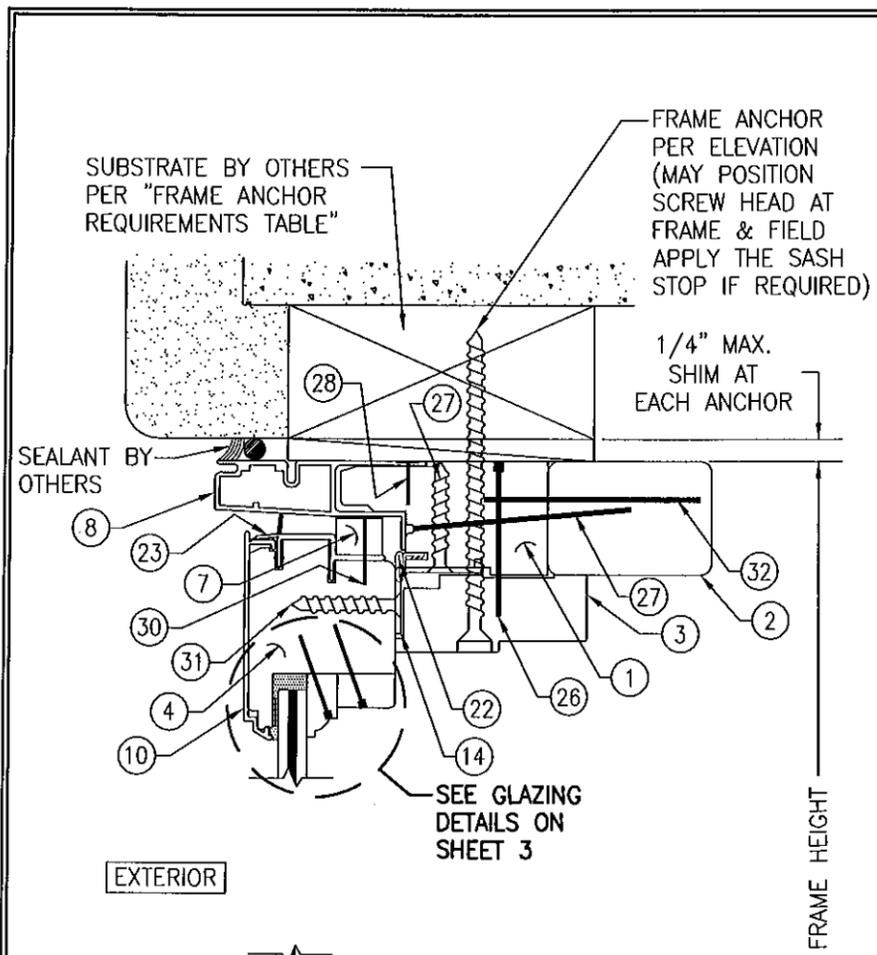
**ALLOWABLE DESIGN PRESSURE  
(TWIN WINDOW WITH TRANSOM)**

ALLOWABLE PRESSURE SHALL BE THE LESSER OF +65/-70 PSF OR THAT SPECIFIED FOR THE INDIVIDUAL WINDOWS. (SEE SINGLE WINDOW SIZE/PRESSURE TABLE ON SHEET 2)

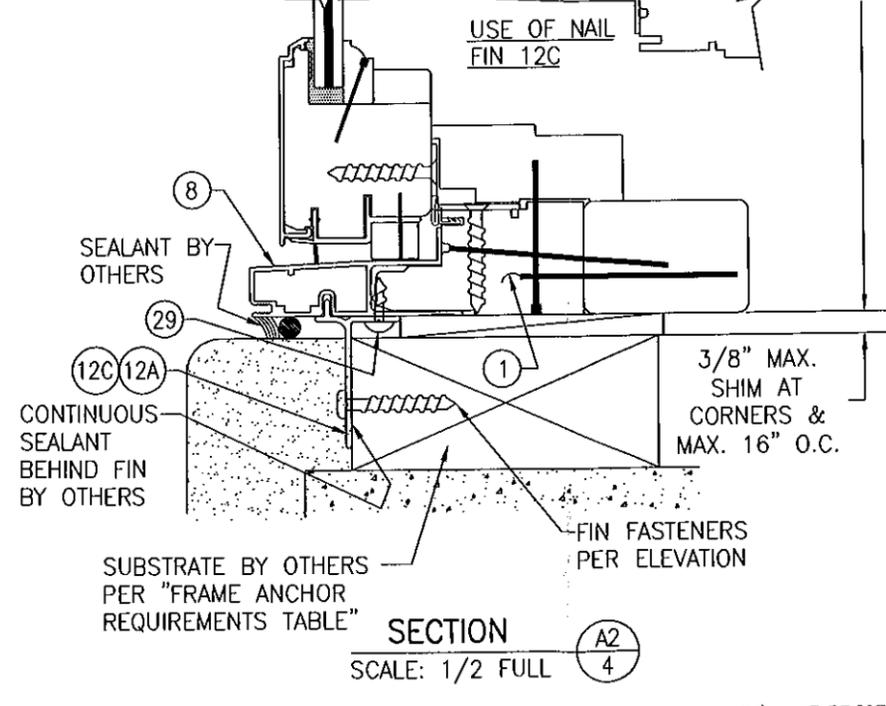
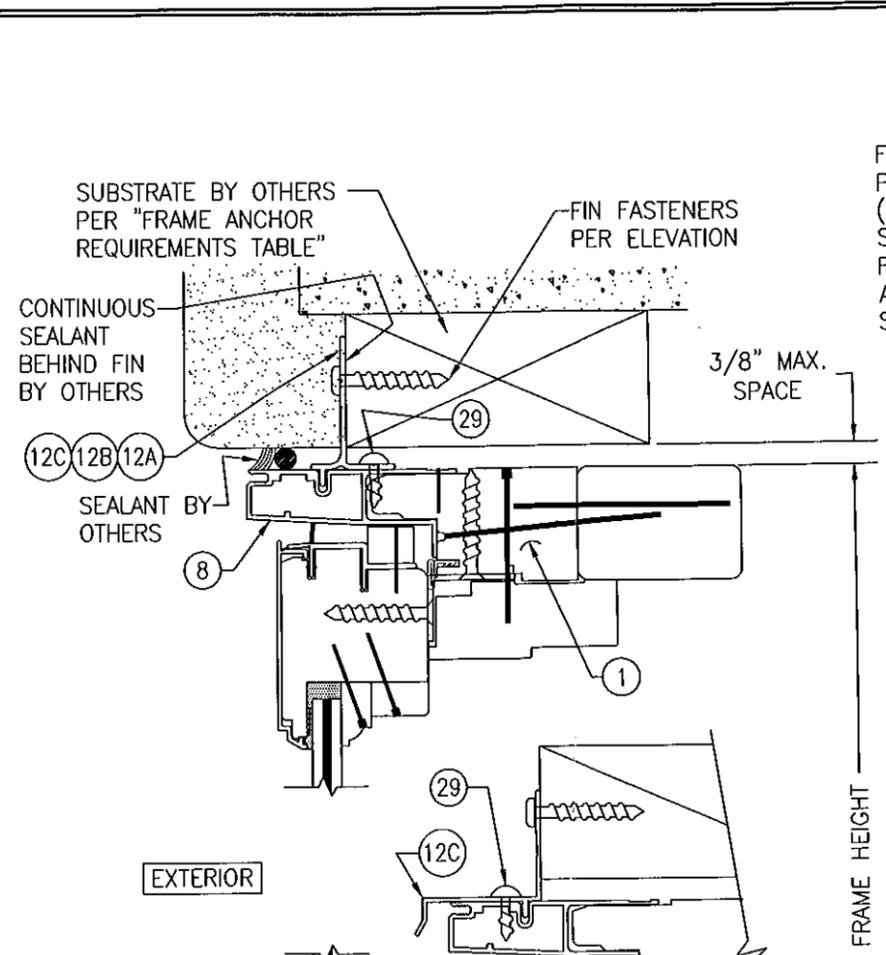
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-057-03  
Expiration Date: JUNE 29, 2016  
By: *Warren J. Schaefer*  
Miami Dade Product Control



DRAWING BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 7/21/05
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE <b>FEEL SAFE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW</b>	
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	MANUFACTURER <b>HWD ACQUISITION, INC. dba HURD WINDOWS &amp; DOORS</b> 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873
CERTIFICATION	DATE <b>JUN 29 2011</b>
DRAWING NO. <b>1404</b>	REV. <b>C</b>
SHEET NO. <b>3</b>	OF <b>6</b>

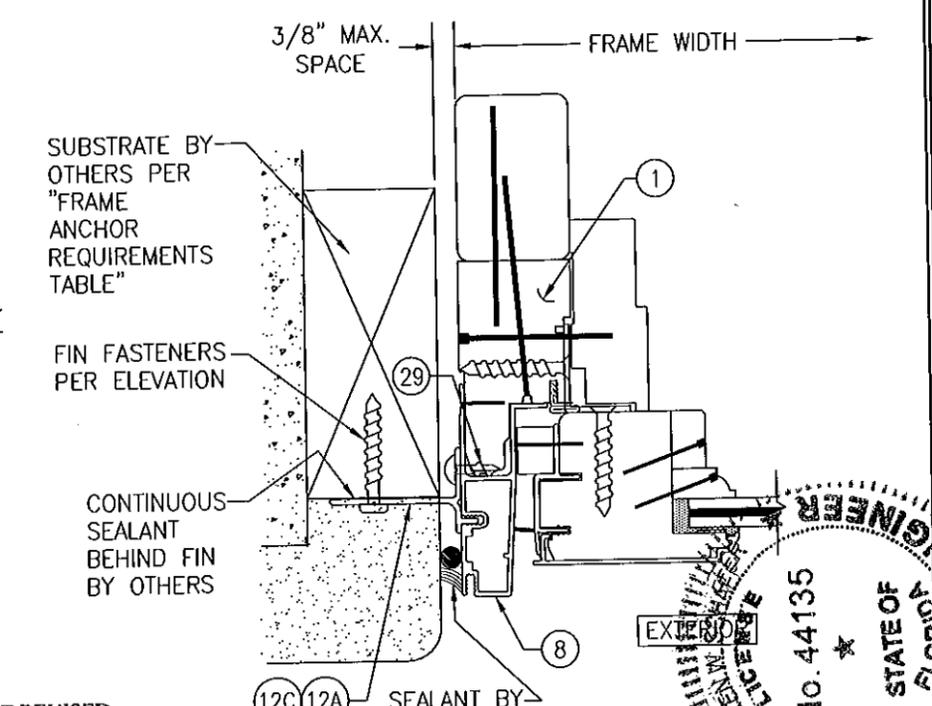
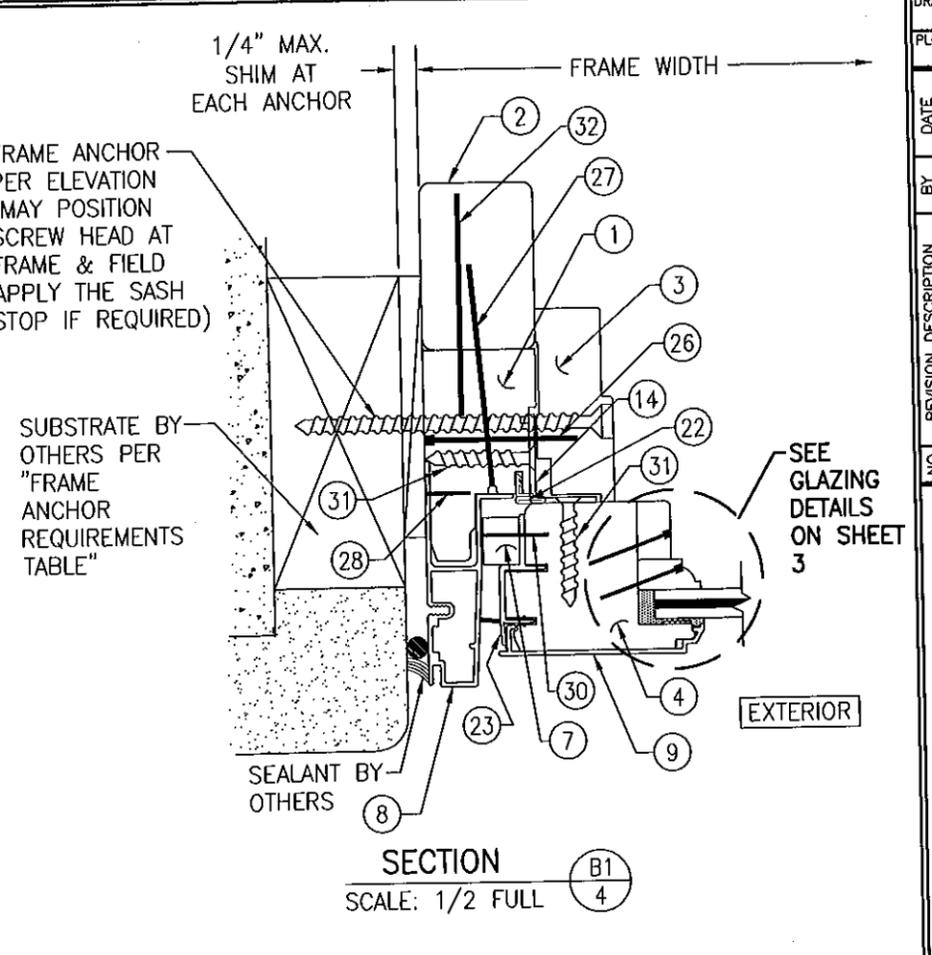


SECTION A1  
SCALE: 1/2 FULL



SECTION A2  
SCALE: 1/2 FULL

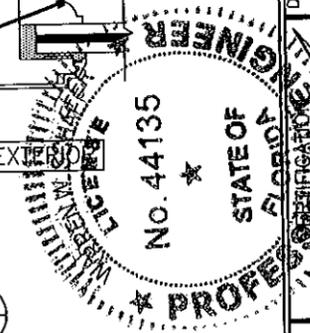
(SEE SECTION A1/4 FOR DETAILS NOT SHOWN)



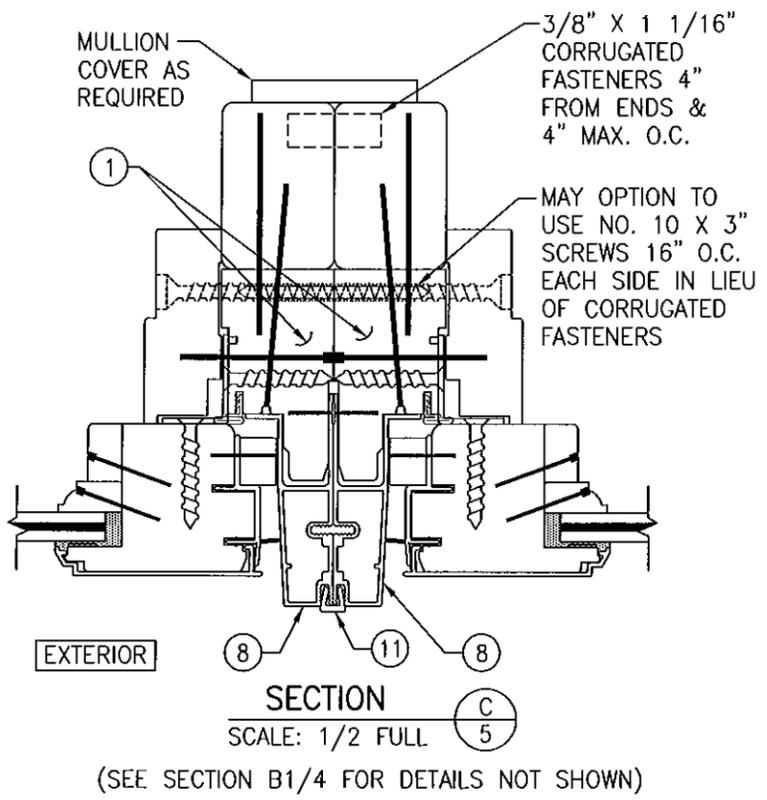
SECTION B1  
SCALE: 1/2 FULL

(SEE DETAIL B1/4 FOR DETAILS NOT SHOWN)

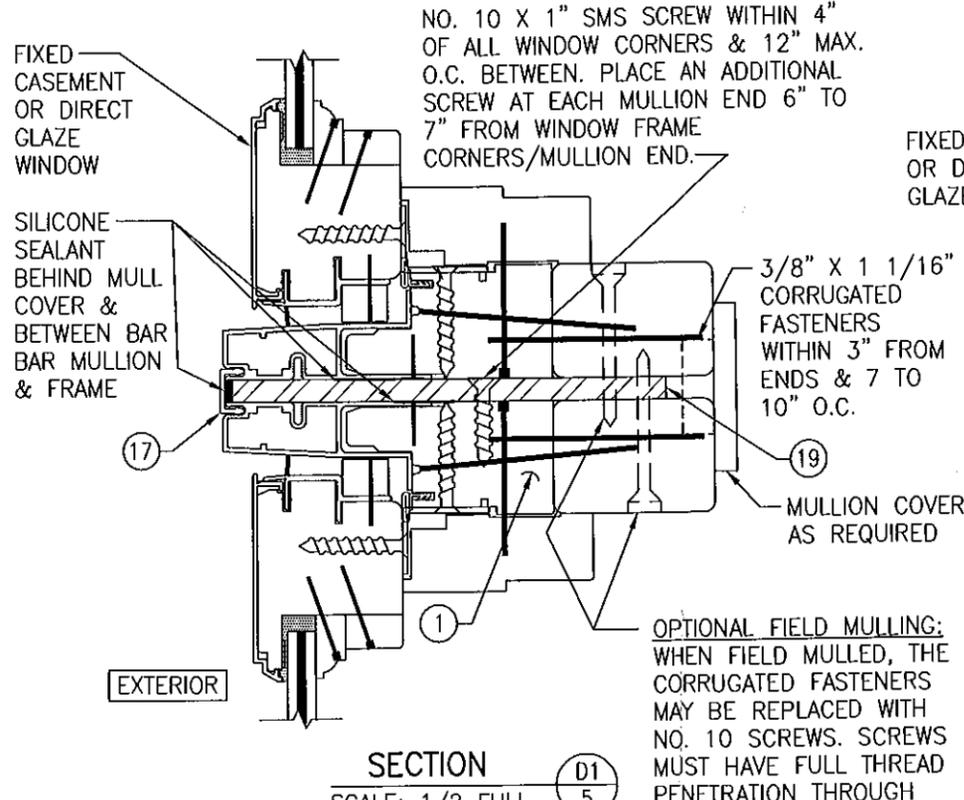
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-0517.03  
Expiration Date: JUNE 21, 2016  
By *Manuel Iraz*  
Miami Dade Product Control



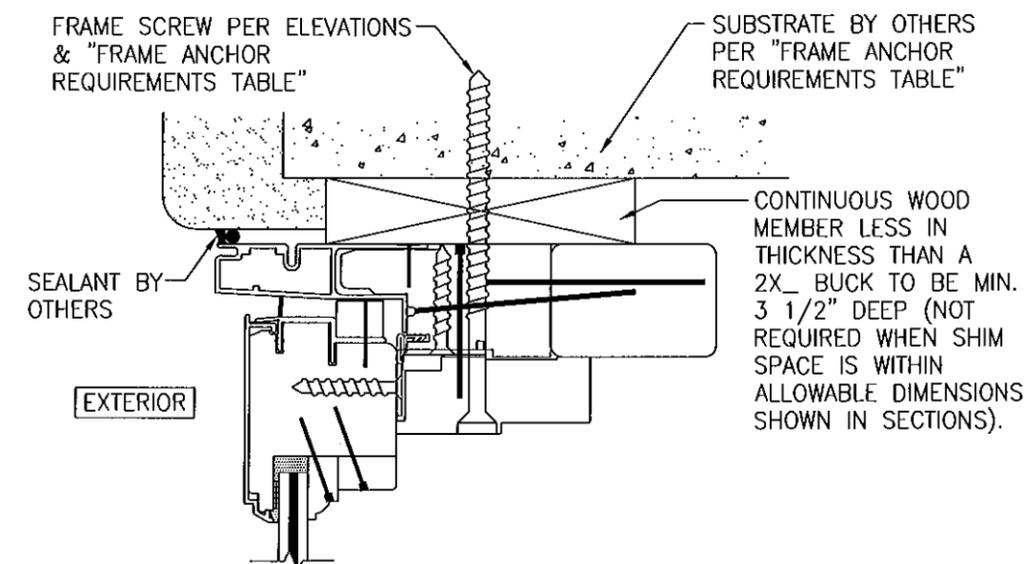
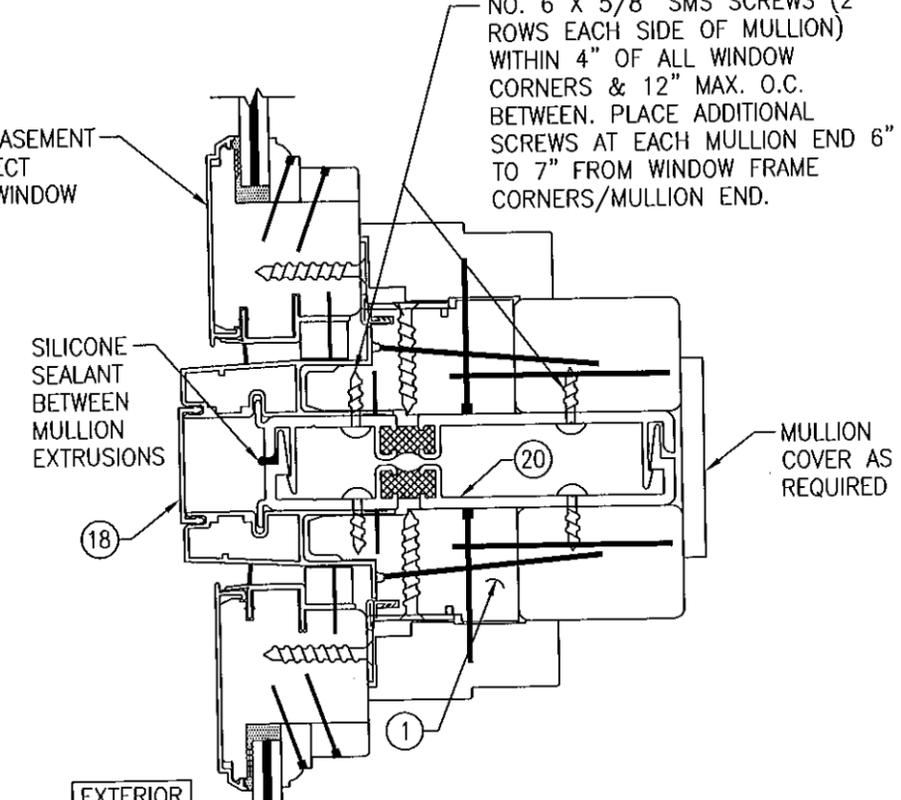
DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 7/21/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE FEEL SAFE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW	
MANUFACTURER HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS 575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DATE JUN 29 2011	
DRAWING NO. 1404	
REV. C	
SHEET NO. 4 OF 6	



(SEE SECTION B1/4 FOR DETAILS NOT SHOWN)



OPTIONAL FIELD MULLING: WHEN FIELD MULLED, THE CORRUGATED FASTENERS MAY BE REPLACED WITH NO. 10 SCREWS. SCREWS MUST HAVE FULL THREAD PENETRATION THROUGH PLATE & BE PLACED WITHIN 6" OF ENDS & MAX. 12" O.C.



OPTIONAL DIRECT MOUNT DETAIL TO BLOCK OR CONCRETE WITH SPACER OR SHIM HEAD SECTION SHOWN, SIDES AND SILL SIMILAR

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 14-0517.03  
 Expiration Date JUN 29, 2016  
 By *Maurice Pro*  
 Miami Dade Product Control



DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 7/21/05
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE FEEL SAFE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER HWD ACQUISITION, INC. dba HURD WINDOWS & DOORS
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 WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER	JUN 29 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1404	REV. C
SHEET NO. 5	OF 6

