



**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**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**Weather Shield Manufacturing, Inc.
One Weather Shield Plaza
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 "Contempra TFT Direct Set" Aluminum Clad Wood Fixed Window

APPROVAL DOCUMENT: Drawing No. **1521**, titled "TFT Aluminum Clad Direct Set Non-Impact Window", sheets 1 through 5 of 5, dated 09/17/07, 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 Division.

MISSILE IMPACT RATING: None.

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 **revises and renews** NOA # **02-0129.02** 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 06-1127.07
Expiration Date: November 16, 2011
Approval Date: April 10, 2008
Page 1**

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1521**, Sheets 1 through 5 of 5, titled "TFT Aluminum Clad Direct Set Non-Impact Window", dated 09/17/07, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

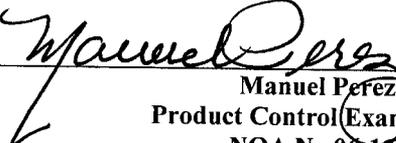
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of three shaped aluminum clad fixed wood windows (Units #1, #2 and #3), prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7286.1 rev. A**, dated 12/28/06, revised on 10/03/07, signed and sealed by Thomas Allan Kolden, 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
along with marked-up drawings and installation diagram of two twin mulled unit aluminum clad fixed wood windows (Units #4A and #4B), prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7286.2 rev. A**, dated 12/28/06 to 03/16/07, revised on 10/03/07, signed and sealed by Thomas Allan Kolden, P.E.
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
along with marked-up drawings and installation diagram of two twin mulled unit aluminum clad fixed wood windows (Units #5), prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7286.3 rev. A**, dated 12/28/06 to 03/16/07, revised on 10/03/07, signed and sealed by Thomas Allan Kolden, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 10/03/07, 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).


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-1127.07
Expiration Date: November 16, 2011
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Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

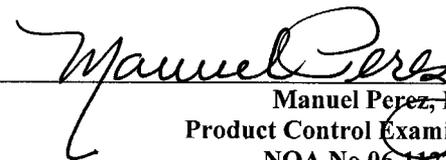
1. None.

F. STATEMENTS

1. Statement letter of conformance, dated October 9, 2007, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated October 9, 2007, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

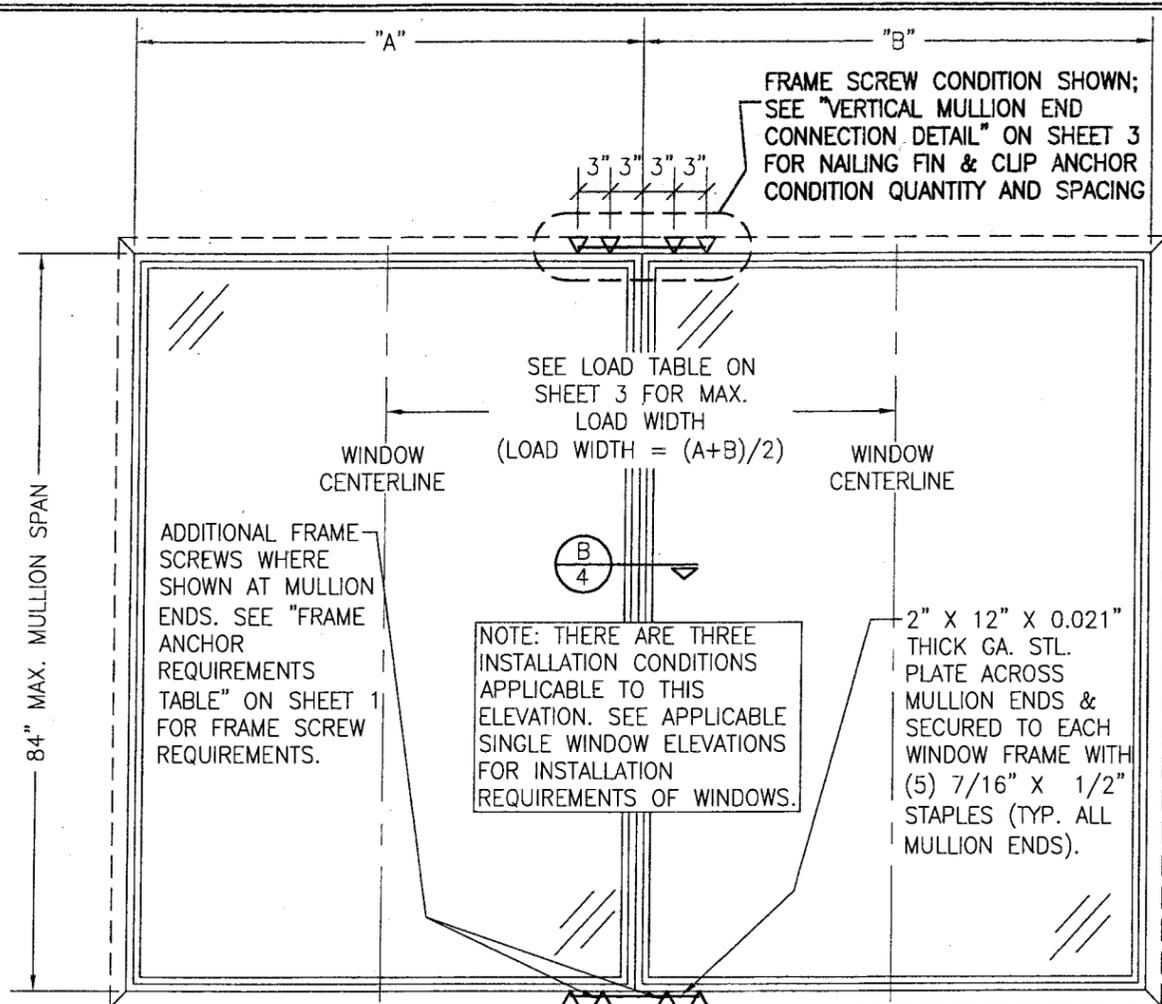
1. Notice of Acceptance No. **02-0129.02**, issued to Weather Shield Manufacturing, Inc. for their Series "Contempra TFT" Direct Set Aluminum Clad Wood Fixed Window, approved on 02/28/02 and expiring on 11/16/06.



Manuel Perez, P.E.
Product Control Examiner
NOA No 06-1127.07

Expiration Date: November 16, 2011

Approval Date: April 10, 2008



EXTERIOR ELEVATION; MULTIPLE DIRECT SET WINDOW
 (FRAME SHEAR SCREW CONDITION SHOWN; SEE DETAILS ON SHEET 3 FOR NAILING FIN & CLIP CONDITION)

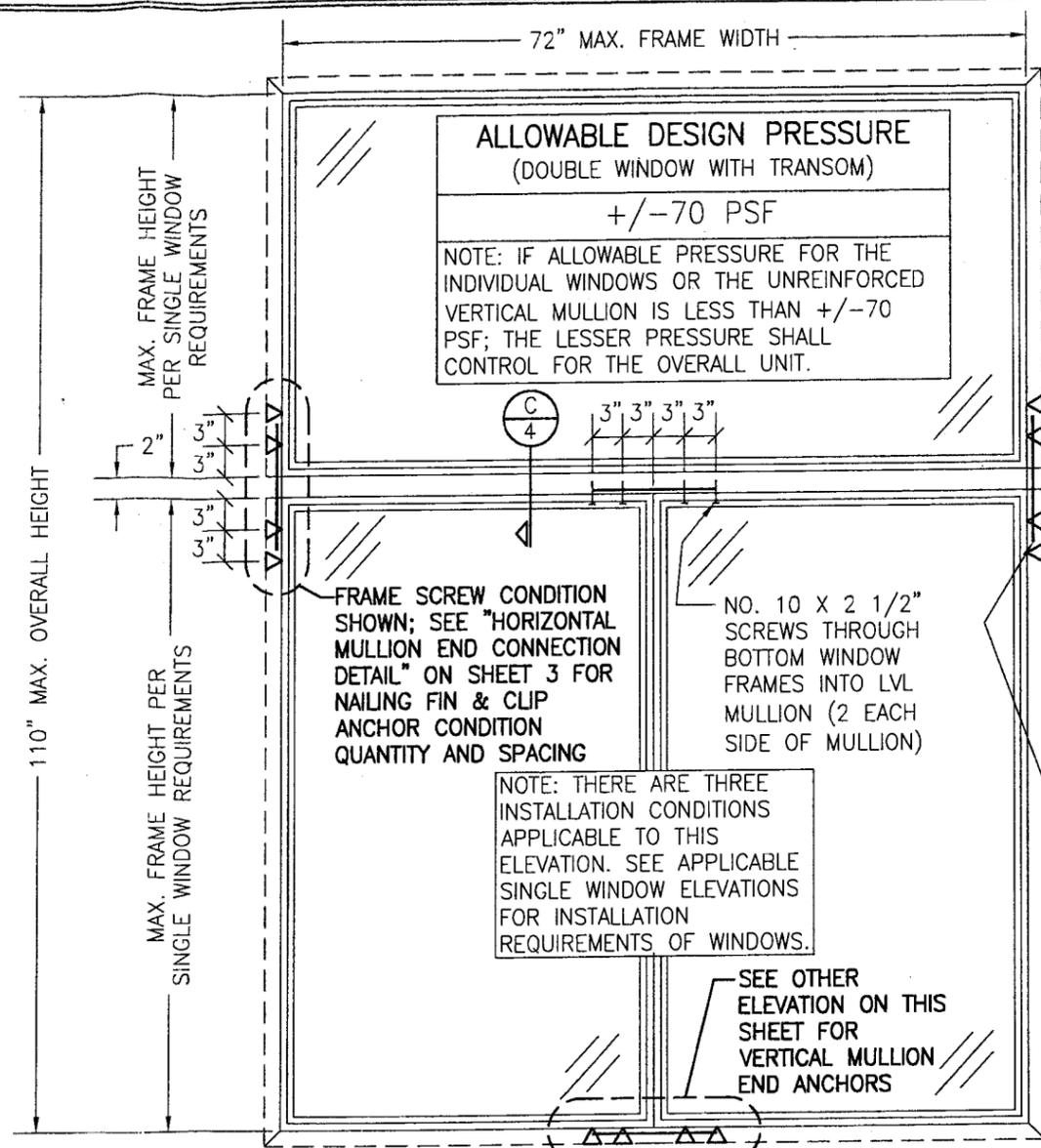
SCALE: 3/4" = 1'-0"

ALLOWABLE DESIGN PRESSURE
 (SIDE BY SIDE DIRECT SET WINDOWS)

SEE LOAD TABLES ON SHEET 3

MULTIPLE UNIT NOTES (SIDE BY SIDE WINDOWS):

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. 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 LOAD TABLES ON SHEET 3.
3. WINDOWS MAY BE STACKED HORIZONTAL OR VERTICAL. IF VERTICALLY STACKED, MANUFACTURER MUST INSURE THAT THE DEAD WEIGHT OF THE WINDOWS DOES NOT CAUSE ANY WINDOW FAILURES OR DEFORMATIONS.



EXTERIOR ELEVATION
MULTIPLE DIRECT SET WINDOW WITH DIRECT SET TRANSOM WINDOW
 (FRAME SHEAR SCREW CONDITION SHOWN; SEE DETAILS ON SHEET 3 FOR NAILING FIN & CLIP CONDITION)

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

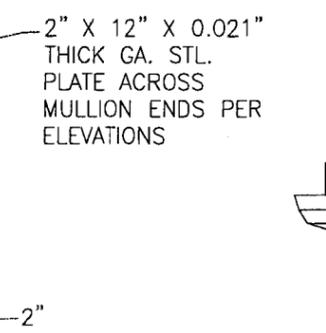
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-1127-07
 Expiration Date Nov. 16, 2011
 By Warren W. Schaefer
 Miami Dade Product Control
 Division

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 08/17/07	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE TFT ALUMINUM CLAD DIRECT SET NON-IMPACT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4802 FAX: 561-775-4803			
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION MAR 17 2008 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1521		REV.	
SHEET NO. 2 OF 5			

SEE MULTIPLE WINDOW ELEVATION ON SHEET 2 AS APPLICABLE TO THIS TABLE

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-1127-07
 Expiration Date Nov. 16, 2011
 By Manuel Perez
 Miami/Dade Product Control
 Division

10 INSTALLATION CLIPS
 CLUSTERED AT MULLION
 ENDS AS SHOWN. SEE
 "FRAME ANCHOR
 REQUIREMENTS TABLE" ON
 SHEET 1 FOR CLIP SCREW
 REQUIREMENTS.



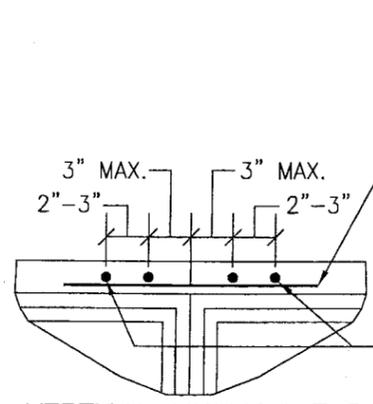
**HORIZONTAL MULLION END
 INSTALLATION CLIP DETAIL**
 SCALE: N.T.S.

ALLOWABLE SINGLE WINDOW SIZE/PRESSURE TABLE

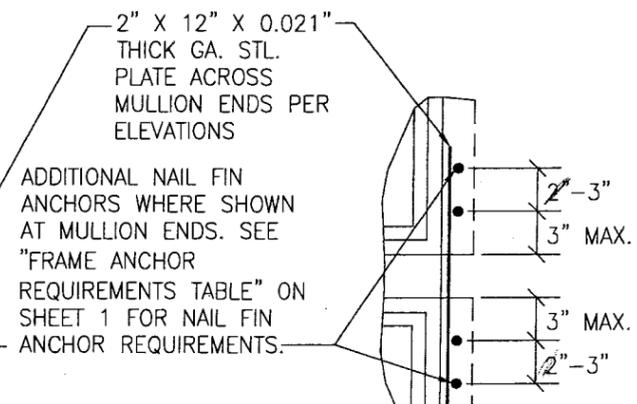
MAX. WINDOW FRAME LONG DIMENSION (IN.)	MAX. WINDOW FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)		MAX. WINDOW FRAME LONG DIMENSION (IN.)	MAX. WINDOW FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)		MAX. WINDOW FRAME LONG DIMENSION (IN.)	MAX. WINDOW FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)		
		POS.	NEG.			POS.	NEG.			POS.	NEG.	
146	40	80.0	80.5	86	42	80.0	104.9	62	42	80.0	119.9	
	36	80.0	89.5		36	80.0	117.0		36	80.0	130.4	
	30	80.0	107.4		30	80.0	134.5		30	80.0	140.0	
	24	80.0	134.2		24	80.0	140.0		56	80.0	119.0	
	18	80.0	140.0		72	80.0	81.7		48	80.0	121.4	
134	42	80.0	83.6	80	66	80.0	85.9	56	42	80.0	126.9	
	36	80.0	97.5		60	80.0	88.8		36	80.0	136.3	
	30	80.0	117.0		54	80.0	93.1		30	80.0	140.0	
	24	80.0	140.0		48	80.0	99.1		50	80.0	133.2	
122	48	80.0	80.3	80	42	80.0	107.5	50	42	80.0	136.7	
	42	80.0	91.8		36	80.0	119.4		36	80.0	140.0	
	36	80.0	107.1		30	80.0	136.6		44	44	80.0	140.0
	30	80.0	126.6		24	80.0	140.0					
110	24	80.0	140.0	74	72	80.0	88.3	44	44	44	80.0	140.0
	53	80.0	80.7		66	80.0	91.1					
	48	80.0	88.8		60	80.0	93.4					
	42	80.0	98.0		54	80.0	97.1					
98	36	80.0	110.6	68	48	80.0	102.7					
	30	80.0	128.5		42	80.0	110.7					
	24	80.0	140.0		36	80.0	122.3					
	60	80.0	80.0		30	80.0	139.2					
	54	80.0	85.1		68	80.0	98.0					
	48	80.0	91.9		60	80.0	99.3					
86	42	80.0	100.9	62	54	80.0	102.3					
	36	80.0	113.3		48	80.0	107.2					
	30	80.0	131.1		42	80.0	114.7					
	24	80.0	140.0		36	80.0	125.8					
86	68	80.0	80.4	62	30	80.0	140.0					
	60	80.0	85.2		62	80.0	107.4					
	54	80.0	89.9		54	80.0	109.3					
	48	80.0	96.2		48	80.0	113.2					

SEE SINGLE WINDOW ELEVATIONS ON SHEET 1 AS APPLICABLE TO THIS TABLE

TABLE NOTES:
 1. ALL WINDOW FRAME DIMENSIONS IN THIS TABLE ARE +/- 1/4".



**VERTICAL MULLION END
 NAILING FIN DETAIL**
 SCALE: N.T.S.

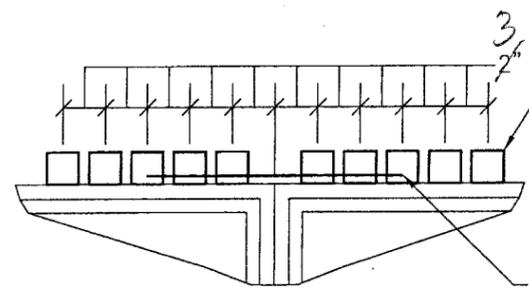


**HORIZONTAL MULLION END
 NAILING FIN DETAIL**
 SCALE: N.T.S.

**MULTIPLE DIRECT SET (SIDE BY SIDE CONDITION)
 WINDOW MULLION LOAD TABLE**

MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)		MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.			POS.	NEG.
120	36	26.9	26.9	78	30	80.0	97.7
	30	31.9	31.9		24	80.0	116.6
	24	39.5	39.5		72 & GREATER	71.3	71.3
	54	26.3	26.3		66	71.7	71.7
108	48	29.0	29.0	72	60	73.3	73.3
	42	32.4	32.4		54	76.0	76.0
	36	37.3	37.3		48	80.0	80.2
	30	44.1	44.1		42	80.0	86.2
	24	54.4	54.4		36	80.0	95.0
96	72	32.2	32.2	66	30	80.0	108.0
	66	33.8	33.8		24	80.0	128.3
	60	35.8	35.8		18	80.0	140.0
	54	38.3	38.3		66 & GREATER	80.0	84.8
	48	42.2	42.2		60	80.0	85.5
	42	47.0	47.0		54	80.0	87.7
84	36	53.6	53.6	60	48	80.0	91.6
	30	63.3	63.3		42	80.0	97.7
	24	78.0	78.0		36	80.0	106.9
	72	51.4	51.4		30	80.0	120.7
	66	53.2	53.2		24	80.0	140.0
	60	56.2	56.2		60 & GREATER	80.0	102.6
	54	59.9	59.9		54	80.0	103.6
78	48	64.1	64.1	54	48	80.0	106.9
	42	69.8	69.8		42	80.0	112.7
	36	77.7	77.7		36	80.0	122.1
	30	80.0	89.2		30	80.0	136.8
	24	80.0	106.9		24	80.0	140.0
	72	61.1	61.1		54 & GREATER	80.0	126.7
78	66	62.2	62.2	48	48	80.0	128.3
	60	64.1	64.1		42	80.0	133.2
	54	67.1	67.1		36	80.0	140.0
	48	71.3	71.3		48 & GREATER	80.0	140.0
	42	77.1	77.1				
36	80.0	85.5					

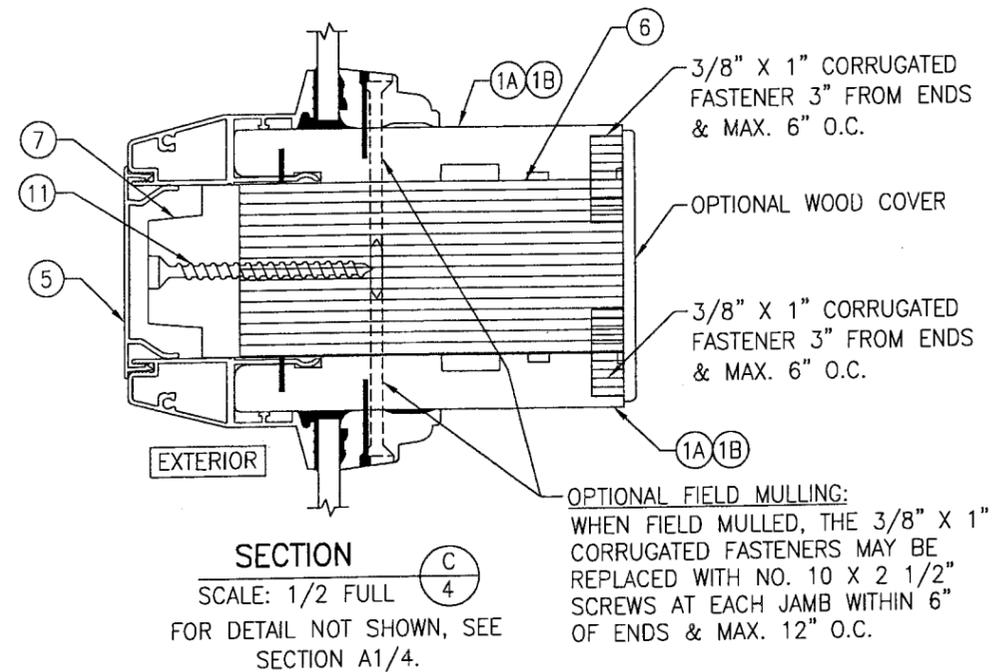
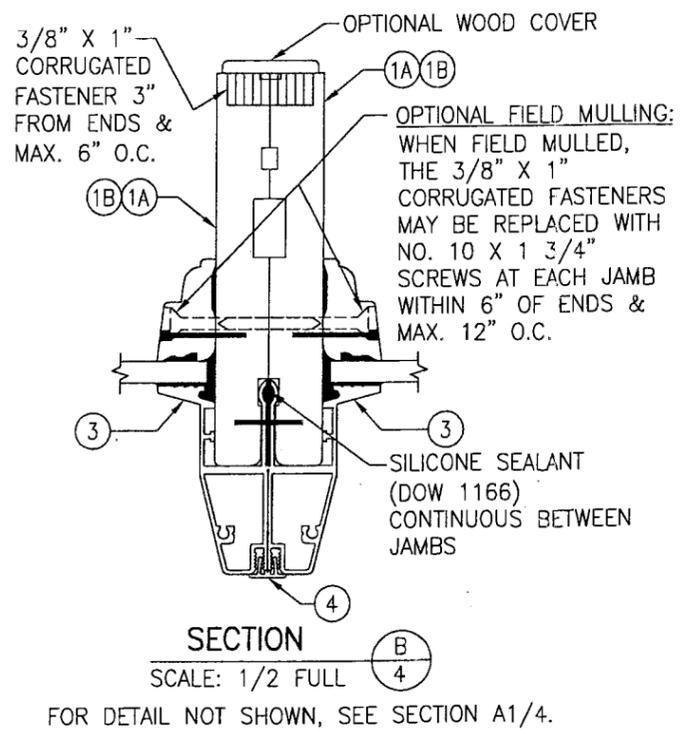
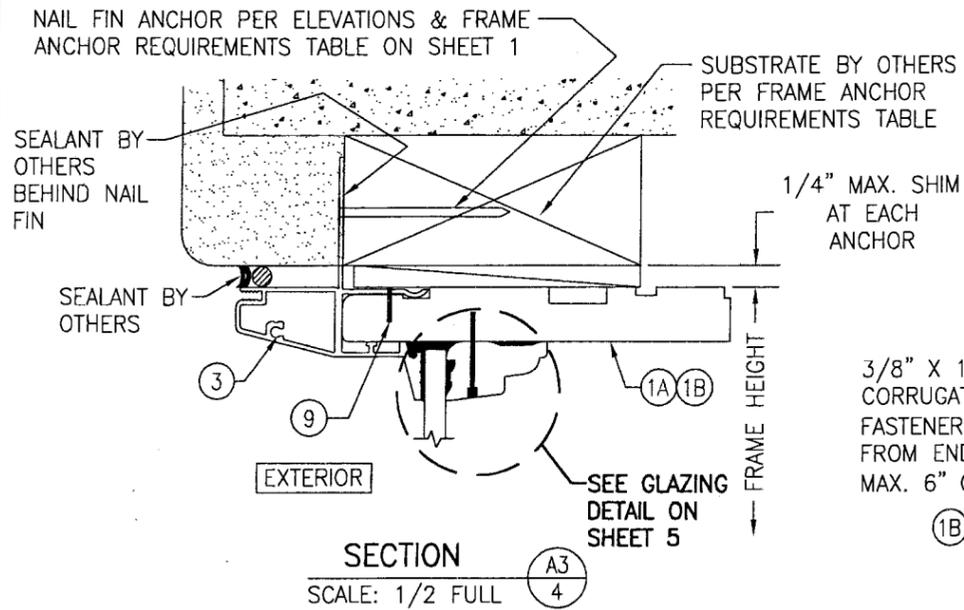
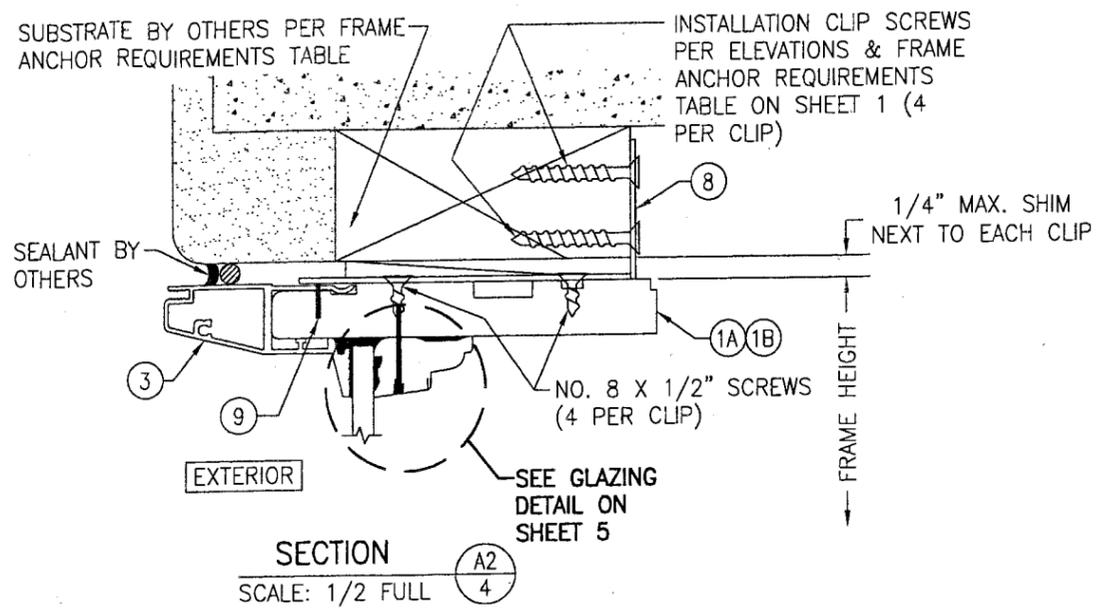
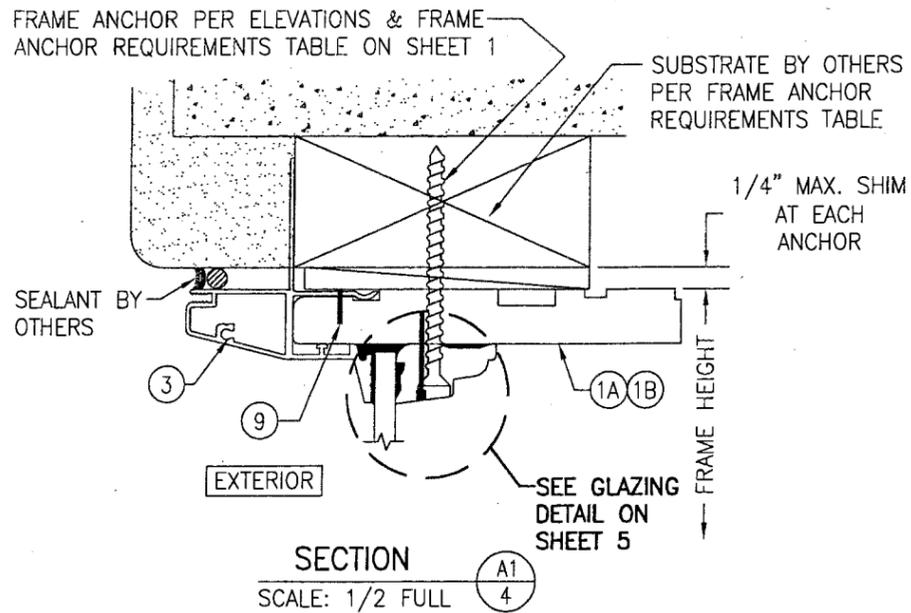
LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT ALLOWED FOR THE INDIVIDUAL WINDOW SHALL CONTROL AS ALLOWABLE FOR THE OVERALL UNIT.



**VERTICAL MULLION END
 INSTALLATION CLIP DETAIL**
 SCALE: N.T.S.

10 INSTALLATION CLIPS
 CLUSTERED AT MULLION
 ENDS AS SHOWN. SEE
 "FRAME ANCHOR
 REQUIREMENTS TABLE" ON
 SHEET 1 FOR CLIP SCREW
 REQUIREMENTS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 09/17/07
DATE	BY
REVISION	DESCRIPTION
NO.	
TFT ALUMINUM CLAD DIRECT SET NON-IMPACT WINDOW MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
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 MAR 12 2008 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1521	REV.
SHEET NO. 3	OF 5



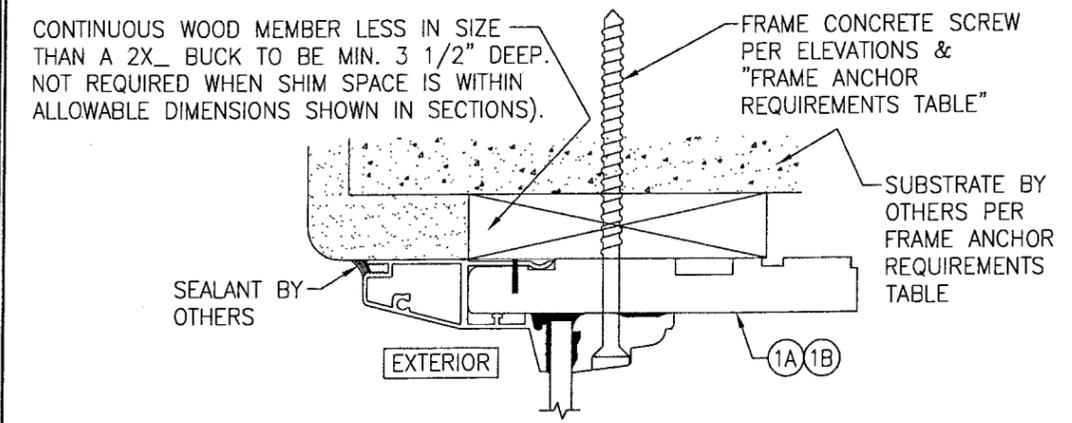
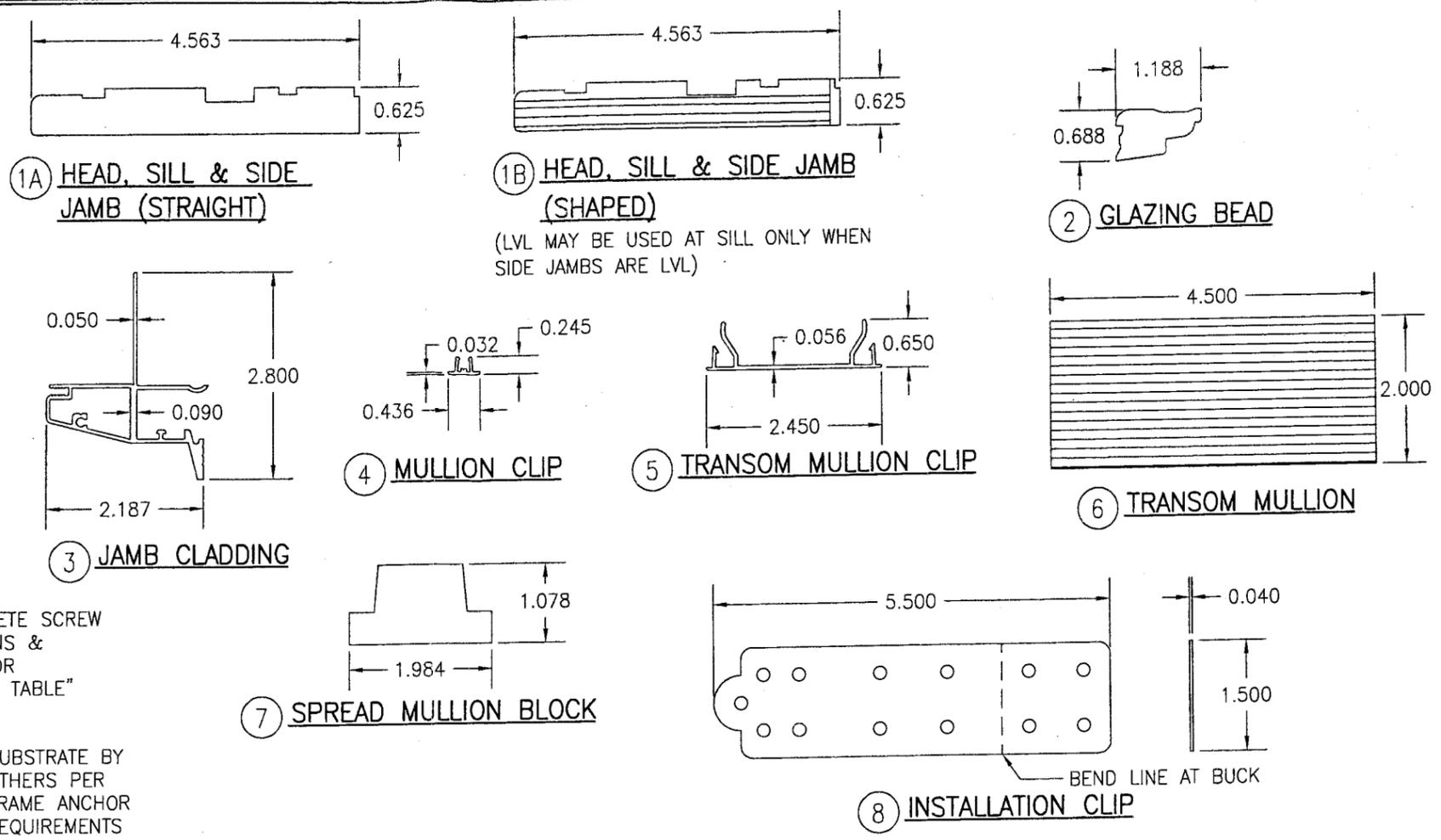
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 06-1127-07
Expiration Date Nov. 16, 2011

By *Manuel Pizarro*
Warren/Dude Product Control
Division

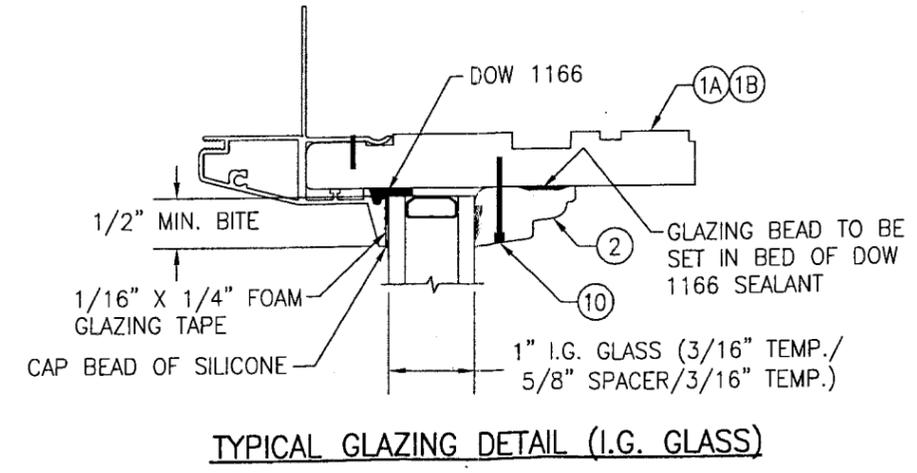
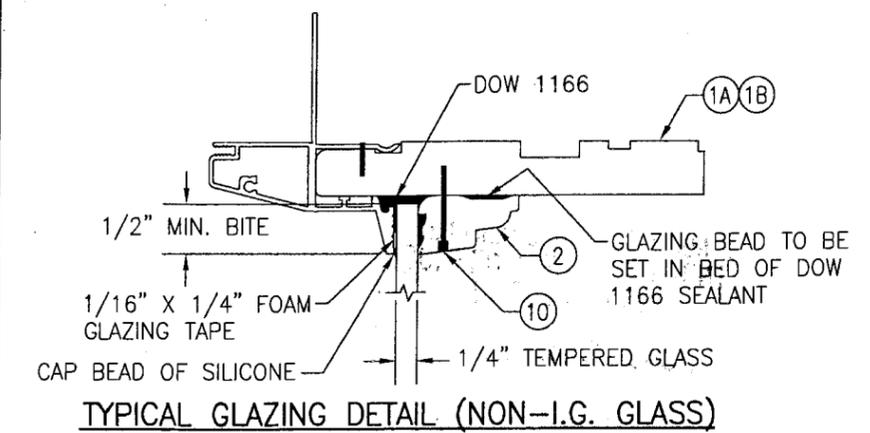
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 03/28/07
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE TFT ALUMINUM CLAD DIRECT SET NON-IMPACT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1521	REV.
SHEET NO. 4 OF 5	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1A	HEAD, SILL & SIDE JAMB (STRAIGHT)	* WOOD
1B	HEAD, SILL & SIDE JAMB (SHAPED)	LVL
2	GLAZING BEAD	* WOOD
3	JAMB CLADDING	6063-T5 ALUMINUM
4	TFT MULL CLIP	6063-T5 ALUMINUM
5	TFT TRANSOM MULL CLIP	6063-T5 ALUMINUM
6	TRANSOM MULLION	LVL (MEMBER MUST HAVE $F_b = 2100$ PSI MIN. AND $E = 1,900,000$ PSI MIN. AS ESTABLISHED BY THE LVL SUPPLIER)
7	SPREAD MULLION BLOCK	* WOOD
8	INSTALLATION CLIP	GALVANIZED STEEL (MIN. 50 ksi YIELD STRESS)
FASTENERS		
9	1/2" STAPLE	WITHIN 3" FROM ENDS & 12" MAX. O.C.
10	16 GA. X 1" BRAD NAIL	WITHIN 1" FROM ENDS & 8"-10" O.C.
11	NO. 8 X 2 1/2" SMS SCREW	WITHIN 3" FROM ENDS & 12" MAX. O.C.

* WOOD USED WITH TEST UNITS WAS SELECT WESTERN PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. SELECT MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD WINDOWS & DOORS TO SELECT.



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



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-1127-07
Expiration Date Nov. 16, 2011
By Warren W. Schaefer
Miami Made Product Control
Division

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	DATE: 03/28/07	DATE:
PLOT: 1=16		DATE:	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE TFT ALUMINUM CLAD DIRECT SET NON-IMPACT WINDOW			
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
CERTIFICATION MAR 12 2008			
DRAWING NO. 1521		REV.	
SHEET NO. 5		OF 5	