



MIAMI-DADE COUNTY, FLORIDA
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza, P. O. Box 309
Medford, WI 54451-0309

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 "1206 Casement" Aluminum Clad Wood Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1584, titled "1206 Aluminum Clad Wood Impact Fixed Casement Window", sheets 1 through 7 of 7, dated 02/04/09, with revision B1 dated 07/03/14, 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 Renewal 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, series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

REVISION 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 No. 11-1108.06 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
 8/14/14

NOA No. 14-0722.05
 Expiration Date: July 01, 2019
 Approval Date: August 14, 2014
 Page 1

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 1584, titled "1206 Aluminum Clad Wood Impact Fixed Casement Window", sheets 1 through 7 of 7, dated 02/04/09, with revision B1 dated 07/03/14, 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 203-94along with marked-up drawings and installation diagram of alum. clad wood casement and fixed window, prepared by Stork Twin City Testing Corporation, Test Reports No. TCTCW-180-7778.1A, TCTCW-180-7778.2A, TCTCW-180-7778.3A and TCTCW-180-7779.4A, dated 12/09-11/08, all signed and sealed by Tom Kolden, P.E. *(Submitted under NOA No. 09-0326.03)*
2. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Reports No. TCTCW-180-7779.5A, TCTCW-180-7779.6A, TCTCW-180-7779.7A and TCTCW-180-7779.11A, dated 12/09-11/08, all signed and sealed by Thomas Allan Kolden, P.E. *(Submitted under NOA No. 09-0326.03)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 02/20/09, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. *(Submitted under NOA No. 09-0326.03)*
2. Glazing complies with ASTM E1300-04/ 09

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0722.05
Expiration Date: July 01, 2019
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Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance to and compliance with the **FBC - 5th Edition (2014)**, dated 07/03/14, issued by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest and independence, dated 07/03/14, issued by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
3. Laboratory compliance letters for Test Reports No.'s **TCTCW-180-7778.1A, TCTCW-180-7778.2A, TCTCW-180-7778.3A** and **TCTCW-180-7779.4A, TCTCW-180-7779.5A, TCTCW-180-7779.6A, TCTCW-180-7779.7A** and **TCTCW-180-7779.11A**, issued by Stork Twin City Testing Corporation, dated 12/09-11/08, all signed and sealed by Thomas Allan Kolden, P.E.
(Submitted under NOA No. 09-0326.03)
4. Proposal File No. **07-2333**, issued by Product Control, approval dated 09/12/07, signed by Manuel Perez, P.E.
(Submitted under NOA No. 09-0326.03)

G. OTHERS

1. Notice of Acceptance No. **11-1108.06**, issued to Weather Shield Manufacturing, Inc. for their Series "**1206 Casement**" Aluminum Clad Wood Fixed Window - L.M.I." approved on 01/26/12 and expiring on 07/01/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0722.05

Expiration Date: July 01, 2019
Approval Date: August 14, 2014

GENERAL NOTES:

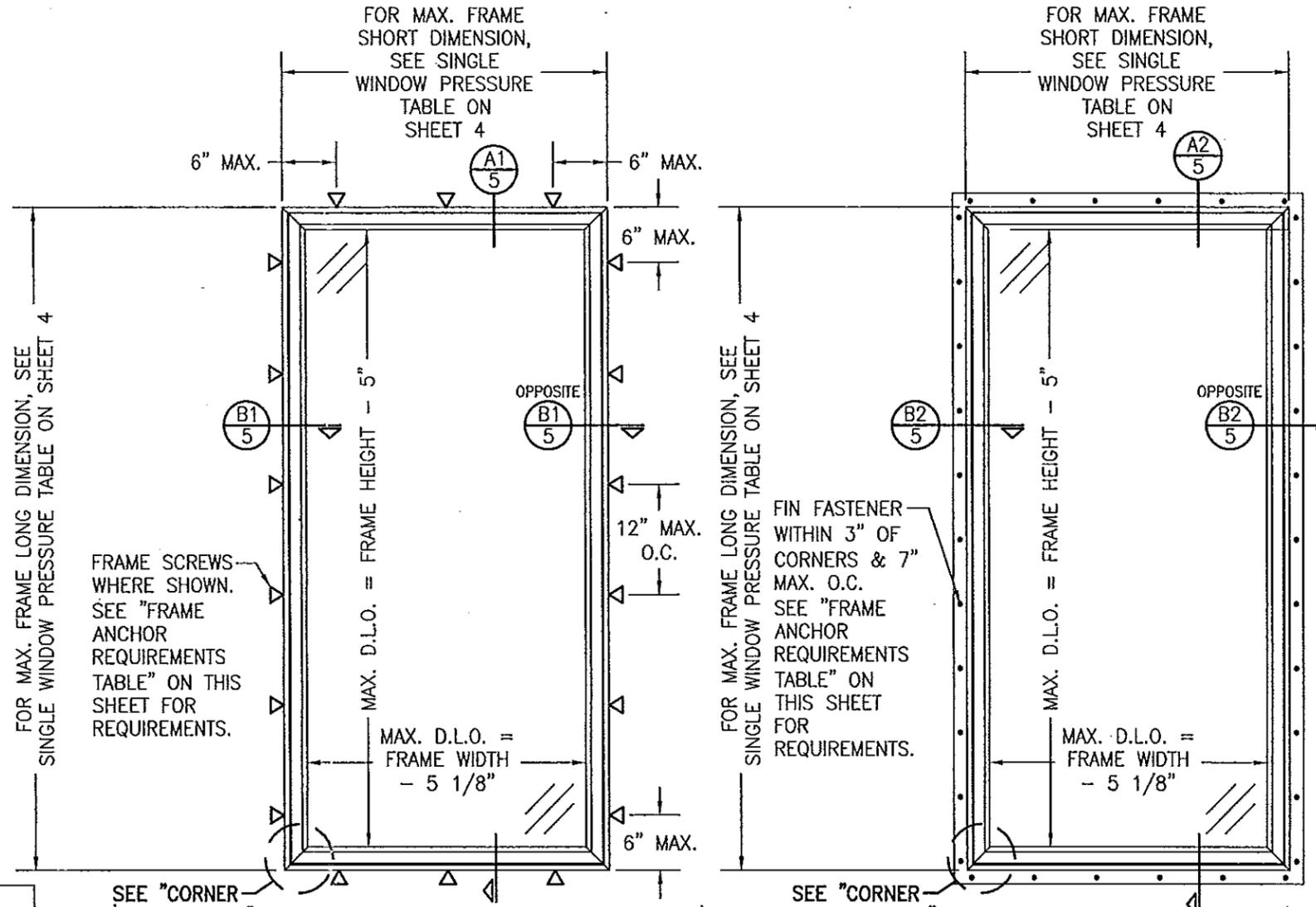
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS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

- FRAME HEAD:** THE SIDE WOOD MEMBERS ARE RABBETED & BUTTED TO THE HEAD MEMBER, SECURED WITH TWO(2) 18 GA. 7/16 X 1 3/4" STAPLES THROUGH THE HEAD INTO THE JAMB & ONE(1) 18 GA. 7/16 X 1 3/4" STAPLE THROUGH THE JAMB INTO THE HEAD.
- FRAME SILL:** THE SIDE WOOD MEMBERS ARE RABBETED & BUTTED TO THE SILL MEMBER, SECURED WITH TWO(2) 18 GA. 7/16 X 1 3/4" STAPLES & ONE(1) NO. 6 X 1 5/8" THROUGH THE SILL INTO THE JAMB & ONE(1) 18 GA. 7/16 X 1 3/4" STAPLE THROUGH THE JAMB INTO THE SILL. CORNERS ARE SEALED WITH A GASKET.
- SASH:** MEMBERS ARE MORTISED & TENONED AND SECURED WITH TWO(2) NO. 8 X 2 1/2" PFH SS SMS SCREW THROUGH THE RAIL INTO THE STILE.
- FRAME CLAD:** MEMBERS ARE MITERED TOGETHER & JOINED WITH A CORNER KEY PART NO. 16 WITH A NO. 6 X 1 1/4" PFH SS SMS SCREW.
- SASH CLAD:** MEMBERS ARE MITERED TOGETHER & SECURED WITH ONE(1) NO. 6 X 1 3/4" SMS SCREW.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
DATE:	11/02/11	DATE:	02/04/09
BY:	W.R.M.	BY:	W.W.S.
REVISION DESCRIPTION	NO.	NO.	NO.
UPDATE TO CURRENT STANDARDS	A1	UPDATE TO CURRENT STANDARDS	B1
UPDATE TO CURRENT STANDARDS		UPDATE TO CURRENT STANDARDS	



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

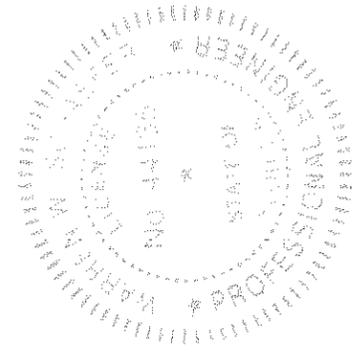
EXTERIOR ELEVATION: SINGLE FIXED WINDOW (FIN MOUNT CONDITION)
SCALE: 3/4" = 1'-0"

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
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"
(2) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	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 (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.). (2) WHEN SCREWS ARE USED WITH THE NAIL-FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.			

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 4

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 14-0722.05
 Expiration Date 07/01/2019
 By: *Warren W. Schaefer*
 Miami Dade Product Control



DRAWING TITLE: 1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

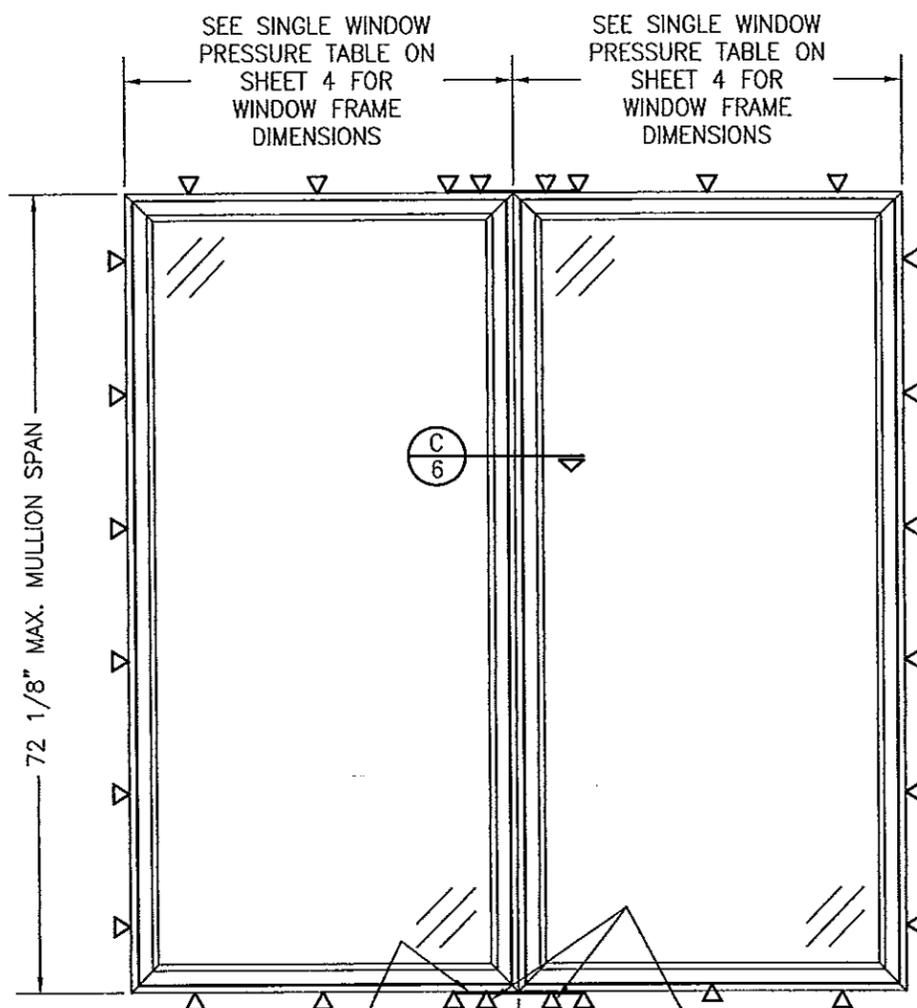
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH
 PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
 ONE WEATHER SHIELD PLAZA
 MEDFORD, WI 54451
 715-748-6555

CERTIFICATION: JUL 03 2014
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44133

DRAWING NO.: 1584
REV.: B
SHEET NO.: 1 OF 7

DRAWN BY: W.R.L.	CHECKED BY: W.W.S.
PLOT: 1-18	DATE: 02/04/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	



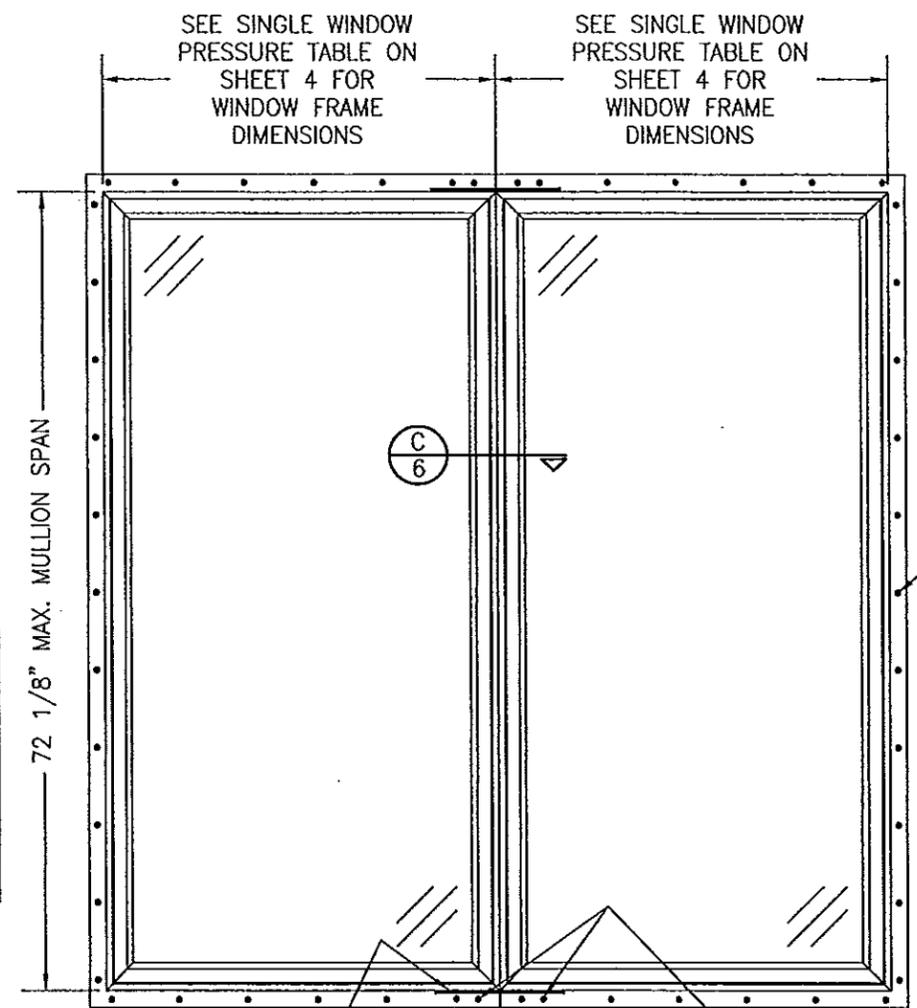
0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

**EXTERIOR ELEVATION:
MULTIPLE FIXED WINDOWS
(FRAME SCREW MOUNT CONDITION)**
SCALE: 3/4" = 1'-0"

SEE SINGLE WINDOW ELEVATION FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND WINDOWS

**ALLOWABLE DESIGN PRESSURE
(DOUBLE WINDOW WITH TRANSOM)**
ALLOWABLE PRESSURE ON MULLED UNITS SHALL BE RESTRICTED BY THE ALLOWABLE PRESSURE ON THE INDIVIDUAL WINDOWS WITHIN THE MULLED UNIT. SEE SINGLE WINDOW PRESSURE TABLE ON SHEET 4 FOR ALLOWABLE PRESSURES.

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.



0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

**EXTERIOR ELEVATION:
MULTIPLE FIXED WINDOWS
(FIN MOUNT CONDITION)**
SCALE: 3/4" = 1'-0"

SEE SINGLE WINDOW ELEVATION FOR FIN FASTENER REQUIREMENTS & POSITIONS AROUND WINDOWS

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS.
2. MULLION MAY BE HORIZONTAL OR VERTICAL PROVIDING UNIT SIZES ARE RESTRICTED AS SHOWN IN THIS ELEVATION.
3. IF VERTICALLY STACKED; THE MANUFACTURER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE WINDOWS CAN NOT CAUSE UNDO FAILURE.
4. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
5. INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE WINDOW ELEVATIONS.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.05
Expiration Date 07/01/2019
By *Manuel Jerez*
Miami Dade Product Control

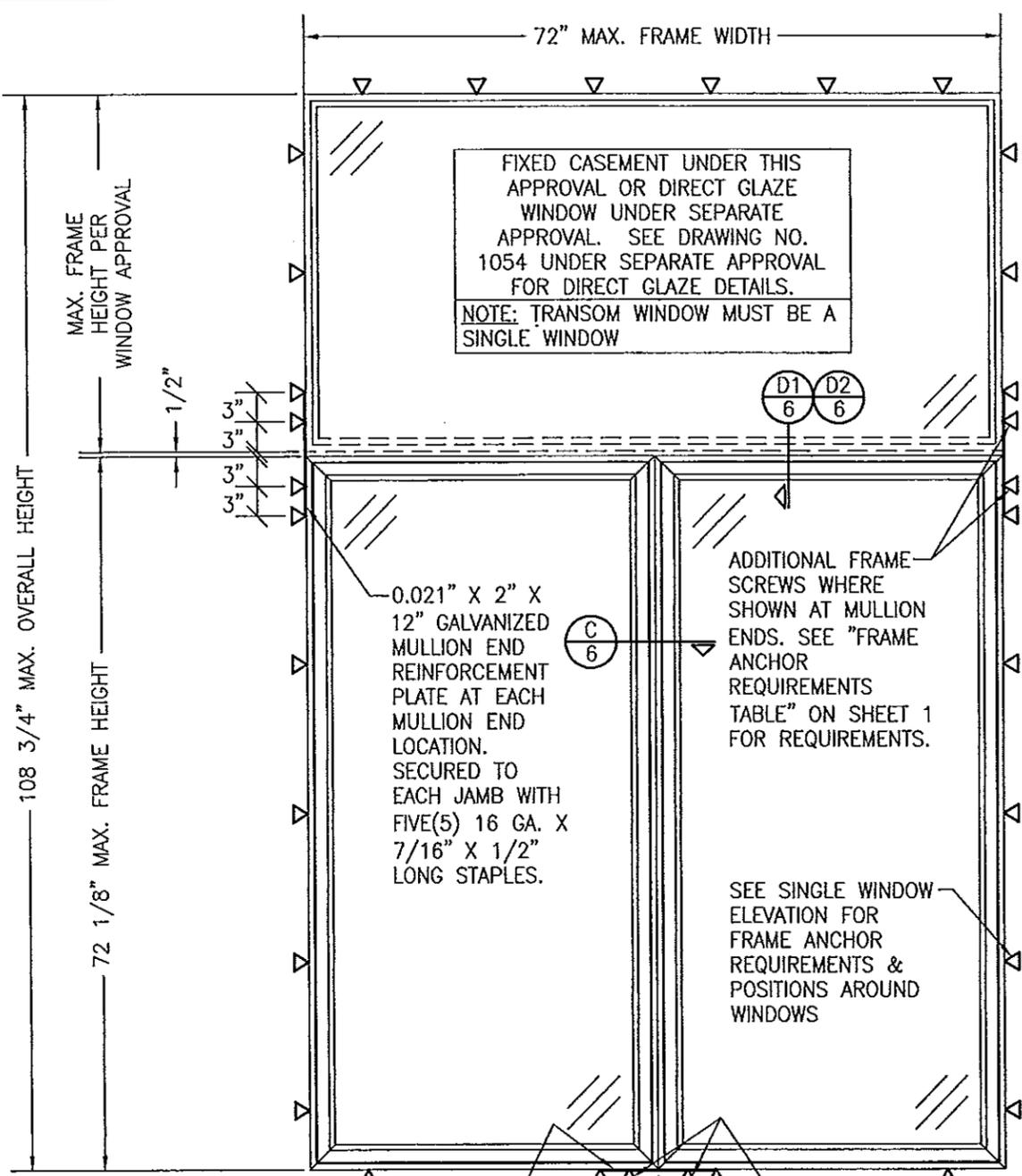


DRAWING TITLE: 1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CONSULTANTS: W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION	JUL 03 2014
DRAWING NO.	1584
REV.	B
SHEET NO.	2 OF 7

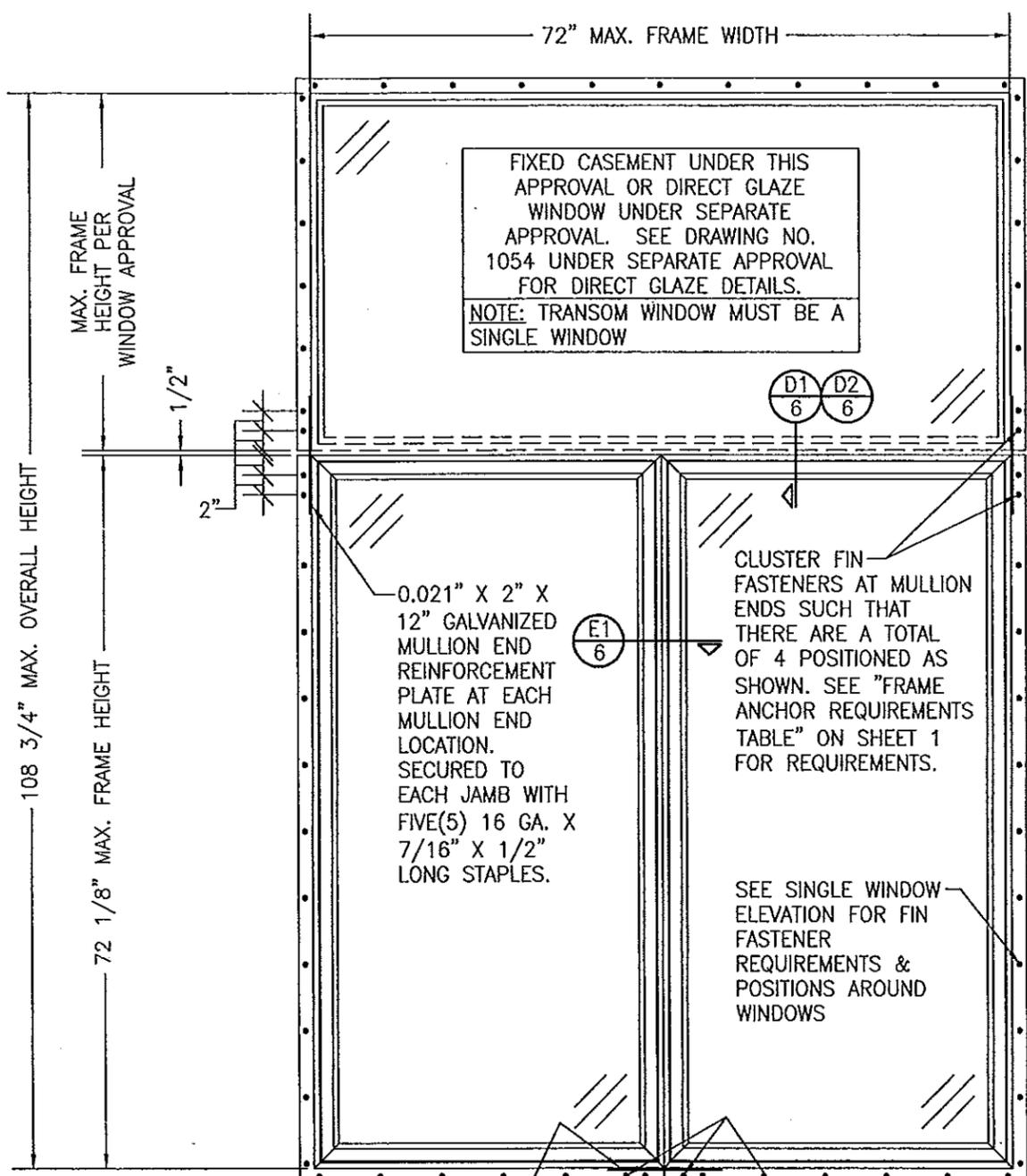


0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT SILL MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

**EXTERIOR ELEVATION:
DOUBLE FIXED WINDOW WITH TRANSOM
(FRAME SCREW MOUNT CONDITION)**
SCALE: 3/4" = 1'-0"
(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

**ALLOWABLE DESIGN PRESSURE
(DOUBLE WINDOW WITH TRANSOM)**
ALLOWABLE PRESSURE ON MULLED UNITS SHALL BE RESTRICTED BY THE ALLOWABLE PRESSURE ON THE INDIVIDUAL WINDOWS WITHIN THE MULLED UNIT. SEE SINGLE WINDOW PRESSURE TABLE ON SHEET 4 FOR ALLOWABLE PRESSURES.



0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT SILL MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

CLUSTER FIN FASTENERS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 4 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

**EXTERIOR ELEVATION:
DOUBLE FIXED WINDOW WITH TRANSOM
(FIN MOUNT CONDITION)**
SCALE: 3/4" = 1'-0"
(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 14-0722.05
Expiration Date 07/01/2019
By Manuel Lopez
Miami Dade Product Control

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 02/04/09
NO.	REVISION DESCRIPTION
BY	DATE

DRAWING TITLE
1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
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CERTIFICATION
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WARREN W. SCHAEFER, P.E.
P.E. NO. 44133

DRAWING NO.
1584

REV.
B

SHEET NO.
3 OF 7

ALLOWABLE SINGLE WINDOW PEASURE TABLE

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)								MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1		GLASS OPTION 2		GLASS OPTION 3		GLASS OPTION 4				GLASS OPTION 1		GLASS OPTION 2		GLASS OPTION 3		GLASS OPTION 4	
		POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.			POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
144	50	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	84	72	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0
	36	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0		66	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0
	30	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0		54	N/A	N/A	55.0	69.3	55.0	70.0	55.0	70.0
	18	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0		30	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
132	55	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	78	72	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0
	42	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0		66	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0
	36	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0		60	N/A	N/A	55.0	66.2	55.0	70.0	55.0	70.0
	30	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0		33	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
120	60	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	76 1/2	72	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0
	42	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0		66	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0
	36	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0		60	N/A	N/A	55.0	67.1	55.0	70.0	55.0	70.0
	21	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0		34	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
108	67	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	72	72	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0
	48	N/A	N/A	N/A	N/A	55.0	66.2	55.0	70.0		64	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0
	42	N/A	N/A	55.0	66.8	55.0	70.0	55.0	70.0		36	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
	24	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0		66	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0
96	72	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	66	39	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
	54	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0		54	N/A	N/A	55.0	70.0	55.0	70.0	55.0	70.0
	48	N/A	N/A	55.0	64.6	55.0	70.0	55.0	70.0		48	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
	27	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0		51	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
90	72	N/A	N/A	N/A	N/A	N/A	N/A	55.0	70.0	54	51	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0
	60	N/A	N/A	N/A	N/A	55.0	70.0	55.0	70.0										
	48	N/A	N/A	55.0	69.4	55.0	70.0	55.0	70.0										
	29	55.0	70.0	55.0	70.0	55.0	70.0	55.0	70.0										

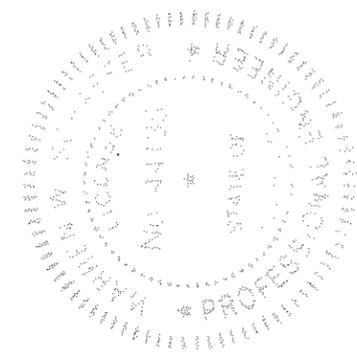
- NOTES:**
- SEE GLAZING DETAILS FOR GLASS OPTIONS.
 - "N/A" DESIGNATES A SIZE NOT APPLICABLE TO THAT GLASS OPTION.
 - WINDOW SIZES SHOWN ARE MAXIMUM SIZES. SMALLER SIZES SHALL APPLY TO LOADS EQUAL TO THE NEAREST LARGER SIZE SHOWN IN TABLE.
 - LONG DIMENSION MAY BE HORIZONTAL OR VERTICAL
 - DIMENSIONS SHOWN ARE +/-1/4"

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 02/04/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

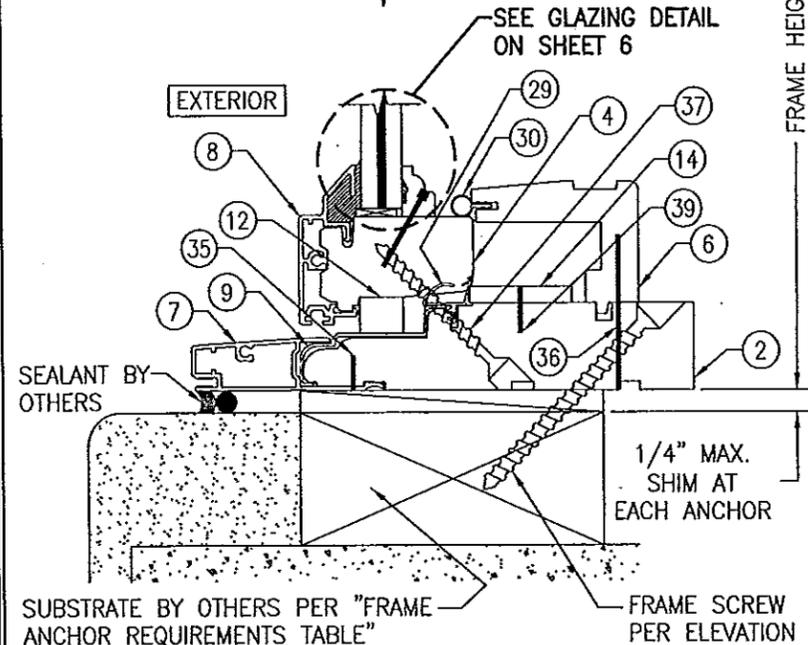
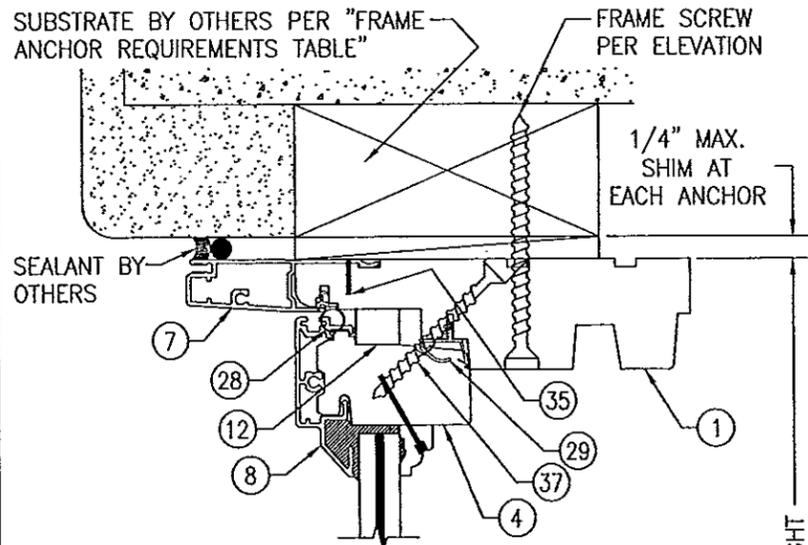
MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555



CERTIFICATION
JUL 03 2014
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

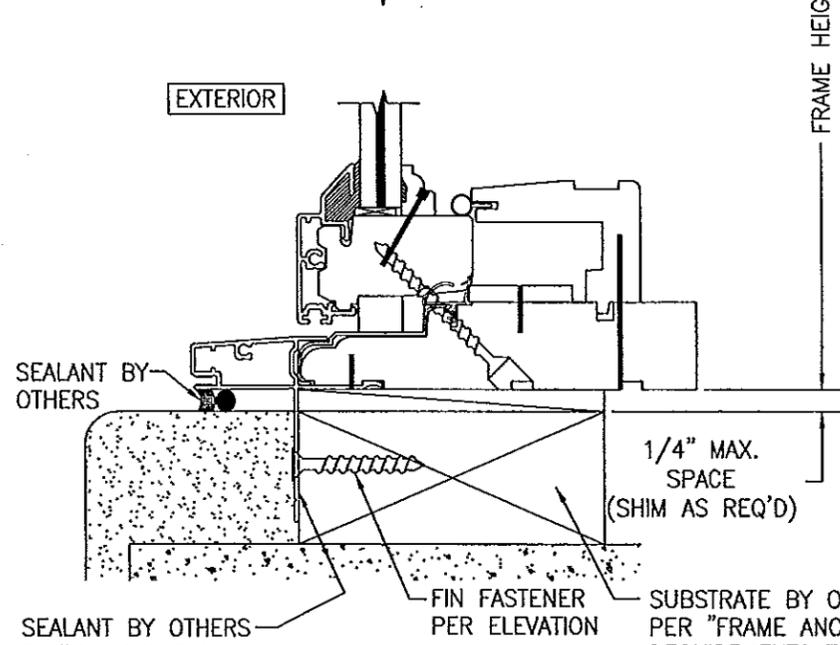
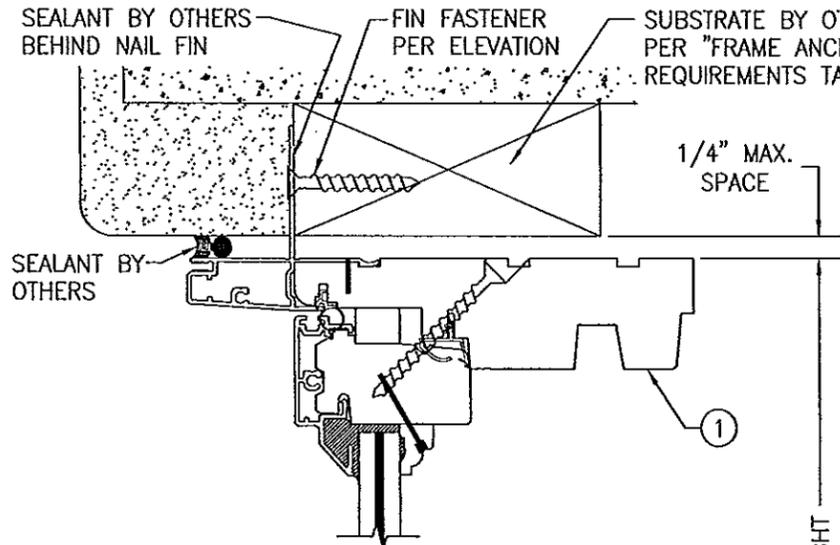
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.05
Expiration Date 07/01/2019
By: *Manuel Perez*
Miami Dade Product Control

DRAWING NO. 1584	REV. B
SHEET NO. 4	OF 7



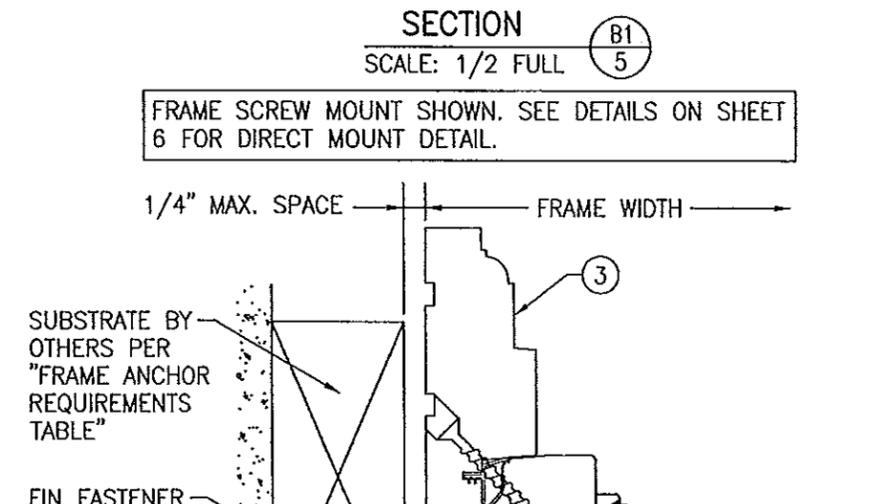
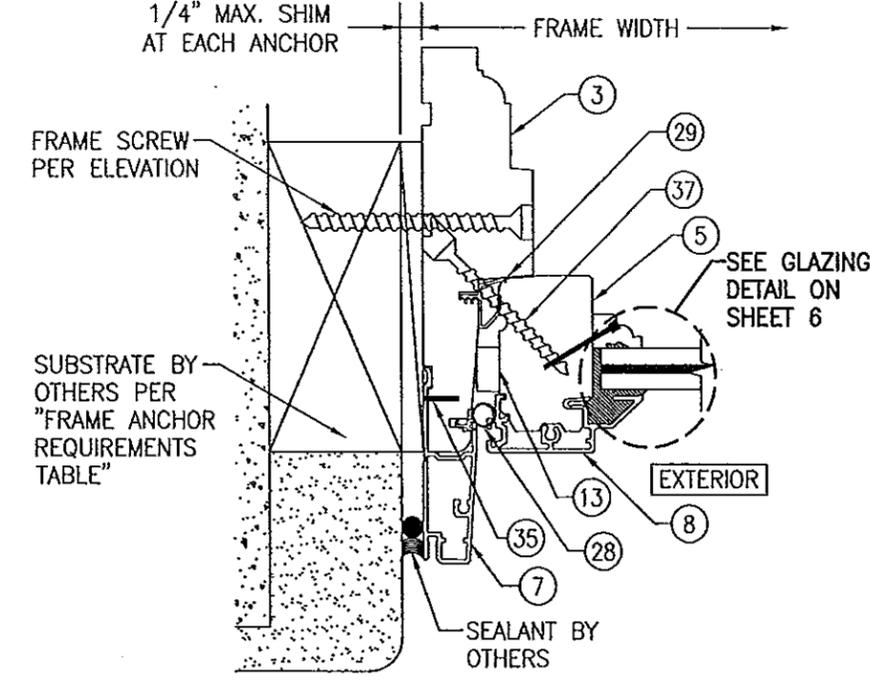
SECTION A1
SCALE: 1/2 FULL 5

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 6 FOR DIRECT MOUNT DETAIL.



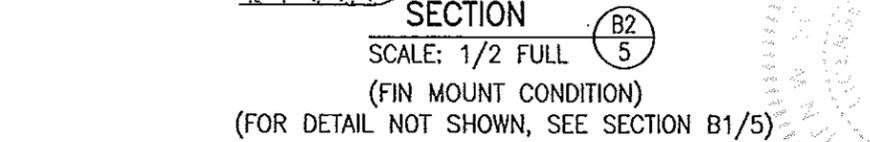
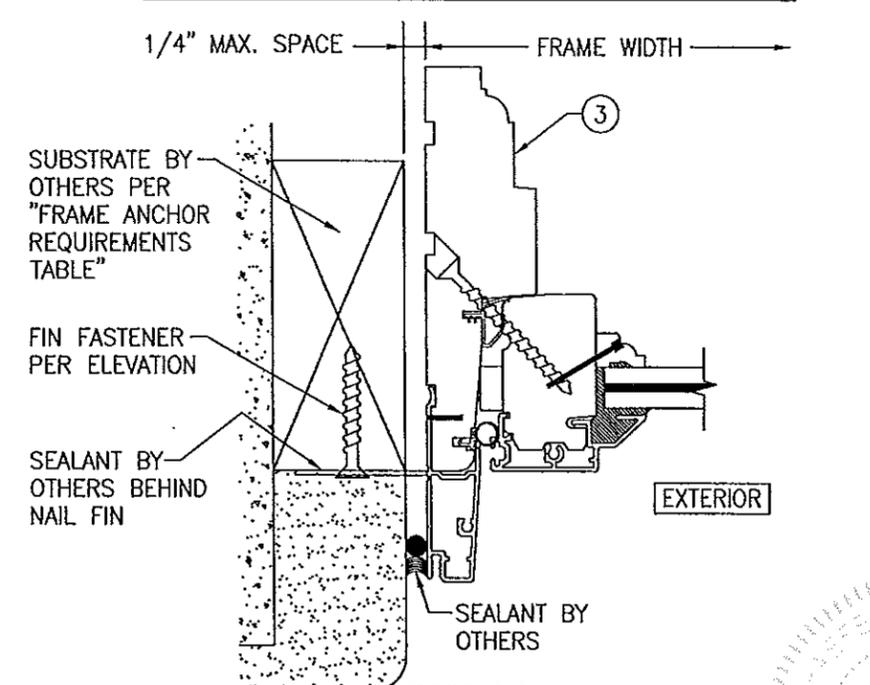
SECTION A2
SCALE: 1/2 FULL 5
(FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)

(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)



SECTION B1
SCALE: 1/2 FULL 5

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 6 FOR DIRECT MOUNT DETAIL.



SECTION B2
SCALE: 1/2 FULL 5
(FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION B1/5)

(FOR DETAIL NOT SHOWN, SEE SECTION B1/5)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.05
Expiration Date 07/01/2019
By *Manuel Lopez*
Miami Code Product Control

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/04/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	

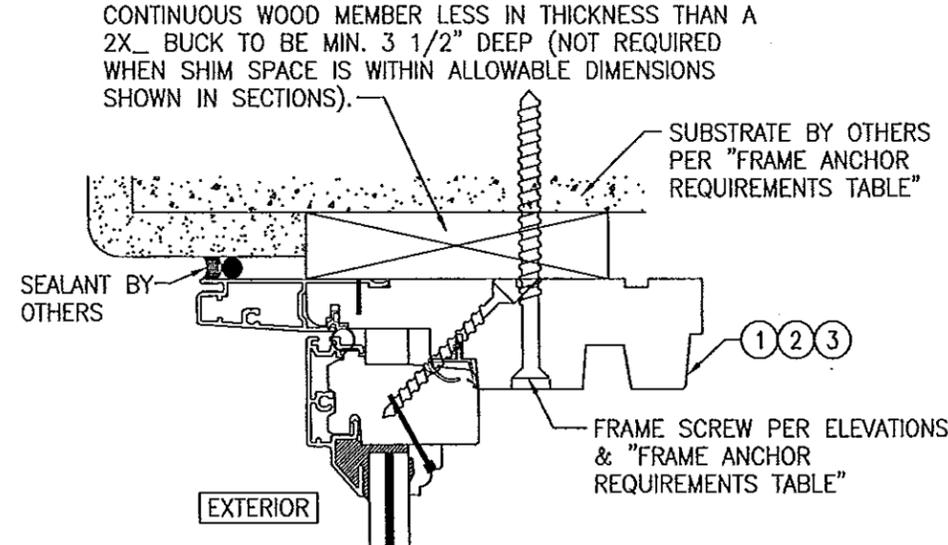
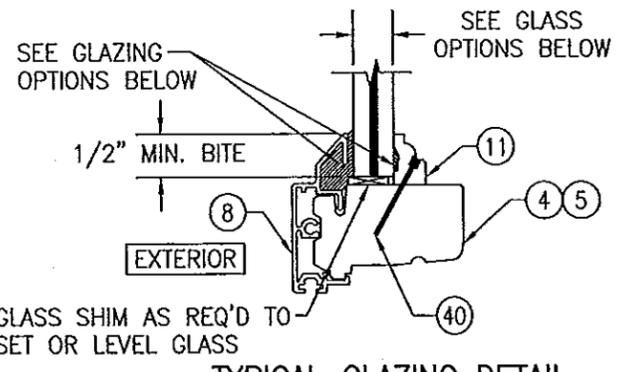
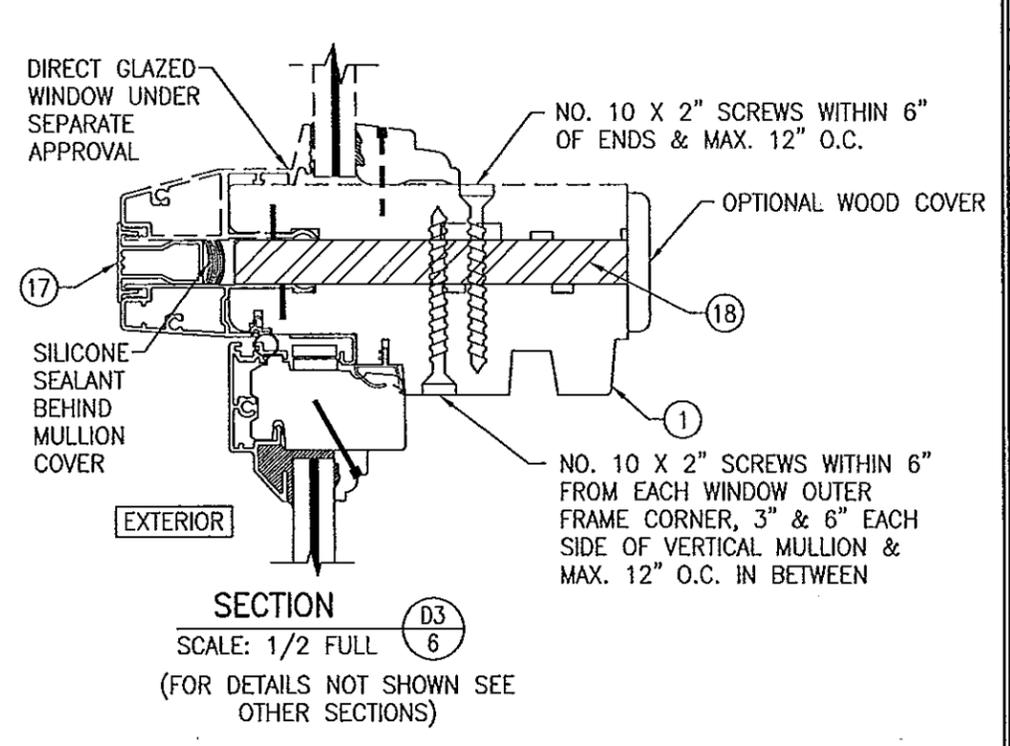
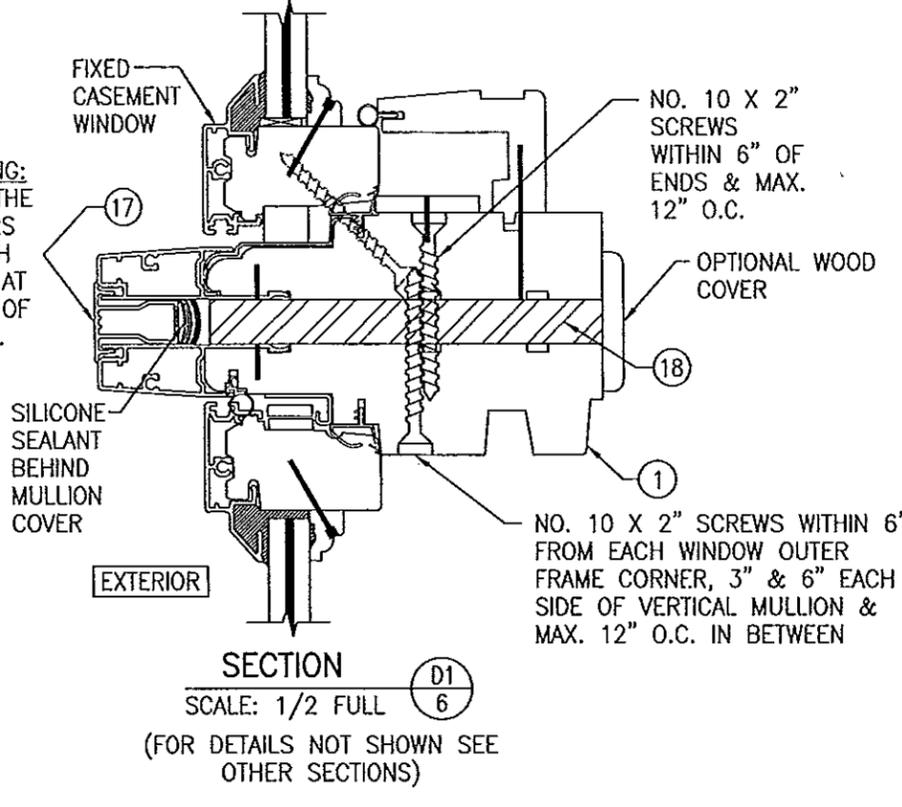
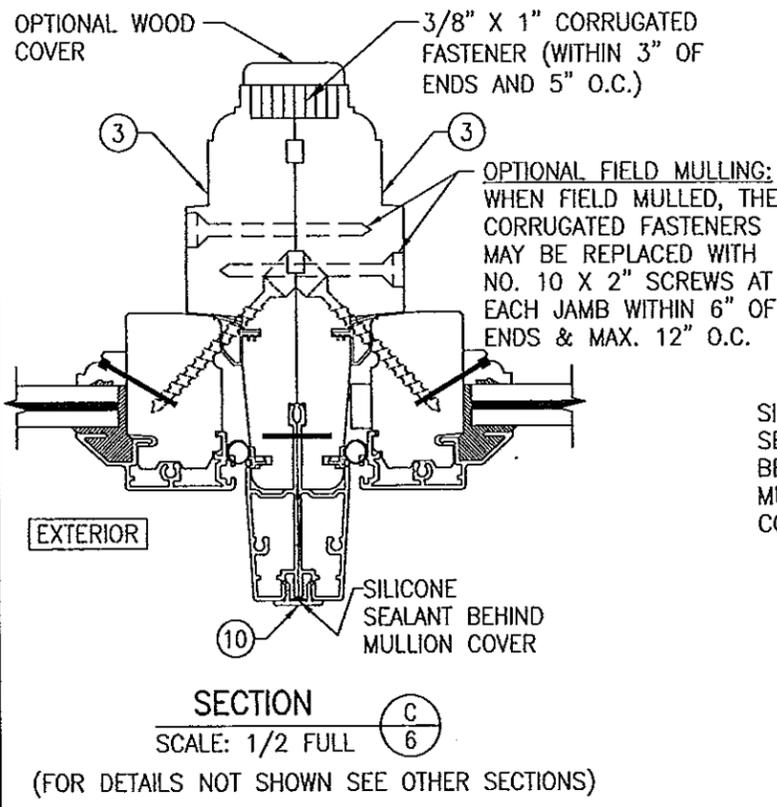
DRAWING TITLE: 1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CERTIFICATION
JUL 03 2014
WARREN W. SCHAEFER, P.E.
P.E. NO. 44133

DRAWING NO. 1584	REV. B
SHEET NO. 5	OF 7

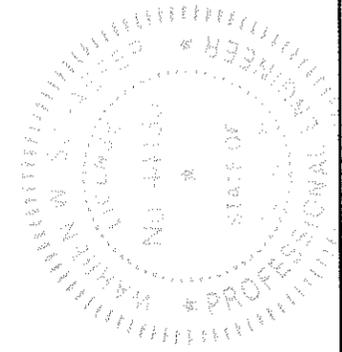


GLASS SHIM AS REQ'D TO SET OR LEVEL GLASS

GLASS OPTIONS:
OPTION 1: 7/16" LAMINATED GLASS (3/16" AN/0.09 EASTMAN CHEMICAL CO. SAFLEX/3/16" AN)
OPTION 2: 7/16" LAMINATED GLASS (3/16" AN/0.09 DUPONT SG/3/16" AN)
OPTION 3: 9/16" LAMINATED GLASS (1/4" AN/0.09 DUPONT SG/1/4" AN)
OPTION 4: 9/16" LAMINATED GLASS (1/4" HT. ST./0.09 DUPONT SG/1/4" HT. ST.)

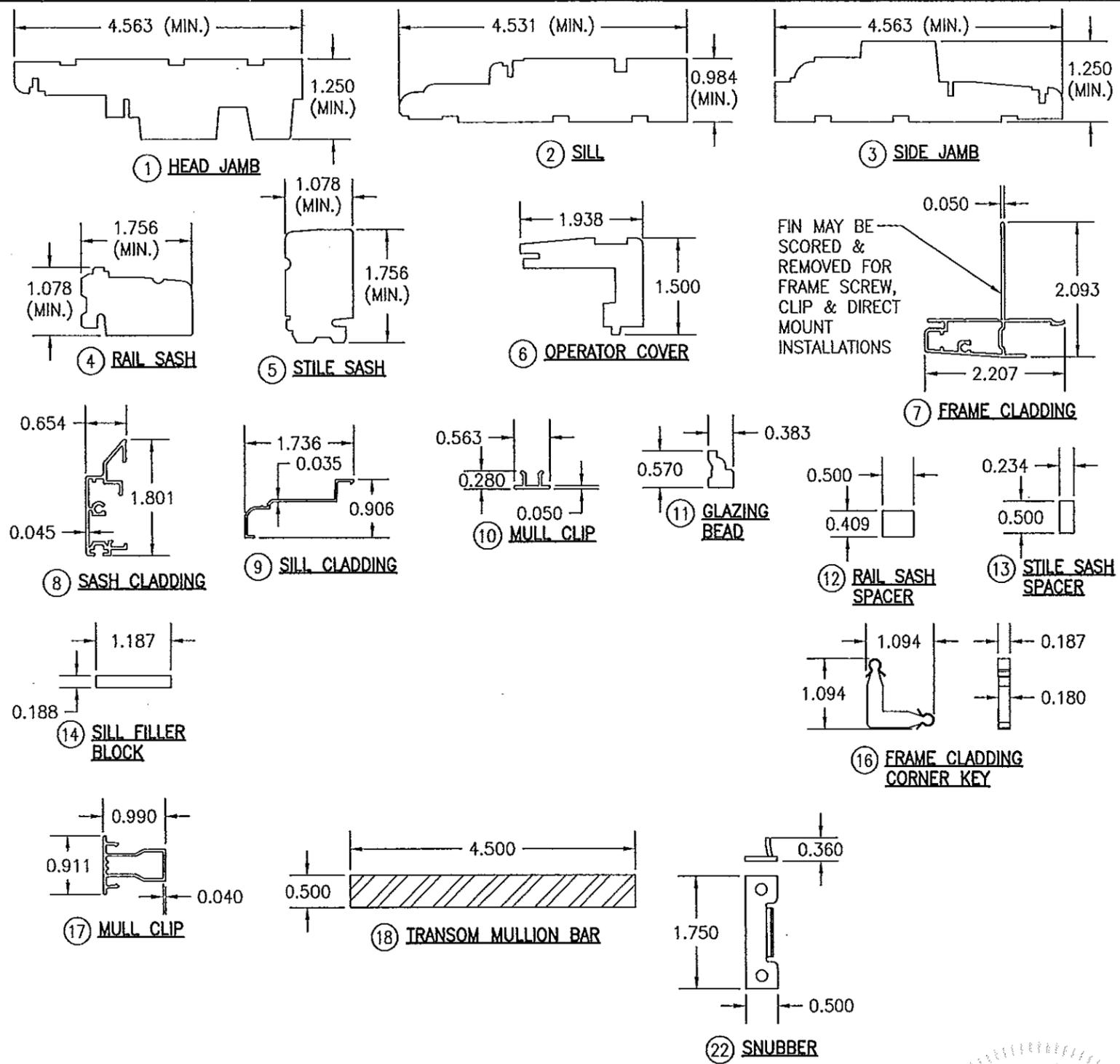
GLAZING OPTIONS:
OPTION 1: SIKAFLEX 552 AT INTERIOR & EXTERIOR
OPTION 2: NATIONAL STARCH PERFECT GLAZE H AT INTERIOR & EXTERIOR
OPTION 3: NATIONAL STARCH HT-20 AT INTERIOR & NATIONAL STARCH PERFECT GLAZE H AT EXTERIOR

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0722.05
 Expiration Date 07/01/2019
 By *Manuel Perez*
 Miami/Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 02/04/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44133	
CERTIFICATION JUL 03 2014		REV. B	
DRAWING NO. 1584		SHEET NO. 6 OF 7	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD JAMB	WOOD
2	SILL	WOOD
3	SIDE JAMB	WOOD
4	RAIL SASH	WOOD
5	STILE SASH	WOOD
6	OPERATOR COVER	WOOD
7	FRAME CLADDING	6063-T5 ALUMINUM
8	SASH CLADDING	6063-T5 ALUMINUM
9	SILL CLADDING	VINYL
10	MULL CLIP	6063-T5 ALUMINUM
11	GLAZING BEAD	WOOD
12	RAIL SASH SPACER	WOOD
13	STILE SASH SPACER	WOOD
14	SILL FILLER BLOCK	WOOD
16	FRAME CLADDING CORNER KEY	DIE CAST ZINC BODY/SPRING STEEL CLIP
17	MULL CLIP	6063-T6 ALUMINUM
18	TRANSOM MULLION BAR	6061-T6 ALUMINUM
HARDWARE		
20	1-POINT LOCK	TRUTH 32799
21	SCISSOR HINGE	ALL METAL 4814DC-L13
22	SNUBBER	ALL METAL 31496-00-0500
23	OPERATOR	TRUTH 15-30-09-087
SEALS & SEALANTS		
28	BULB WEATHERSTRIP	WEATHERSHIELD RIGID & FLEXIBLE PVC
29	WEATHERSTRIP	WEATHERSHIELD RIGID & FLEXIBLE PVC
30	BULB WEATHERSTRIP	WEATHERSHIELD RIGID & FLEXIBLE PVC
FASTENERS		
35		
36	16 GA. X 1/2" X 1 3/4" STAPLE	WITHIN 8" FROM ENDS & 8" TO 10" O.C.
37	NO. 6 X 2" WOOD SCREW	WITHIN 3" FROM ENDS & 10" O.C.
38	NO. 6 X 1/2" P.H. WOOD SCREW	2 PER SNUUBER INTO JAMB; 2 PER SNUUBER INTO SASH
39	16 GA. X 1/2" X 1/2" STAPLE	WITHIN 3" FROM ENDS & 10" O.C.
40	18 GA. X 1" BRAD NAIL	WITHIN 3" FROM ENDS & 8" O.C.



NOTE: WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 1-2	DATE: 02/04/09
NO.	REVISION DESCRIPTION
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT 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	
DRAWING NO. REV. 1584 B	
SHEET NO. 7 OF 7	

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **14-0722-04**
Expiration Date **07/01/2019**
By *Manuel Perez*
Miami Dade Product Control

