



**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) 372-6339**

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 "1206 Casement" Aluminum Clad Outswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1583, titled "1206 Aluminum Clad Wood Impact Casement Window", sheets 1 through 9 of 9, dated 02/04/09, 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 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 Resistant

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 **Manuel Perez, P.E.**



**NOA No. 09-0326.04
Expiration Date: July 1, 2014
Approval Date: July 1, 2009
Page 1**

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1583**, Sheets 1 through 9 of 9, titled "1206 Aluminum Clad Wood Impact Casement Window" dated 02/04/09, 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 Report No. **TCTCW-180-7778.1A** dated 12/09/08, signed and sealed by Tom 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
 - 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 Report No. **TCTCW-180-7778.2A**, dated 12/09/08, signed and sealed by Tom Kolden, P.E.
3. 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 casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7778.8A**, dated 12/09/08, signed and sealed by Tom Kolden, P.E.
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 203-94along with marked-up drawings and installation diagram of alum. clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.3A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0326.03

Expiration Date: July 1, 2014
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Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. 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 aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.4A** dated 12/11/08, signed and sealed by Tom Kolden, P.E.
6. 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 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.5A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
7. 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 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.6A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
8. 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 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.7A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
9. 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 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.11A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0326.04

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by W.W. Schaefer Engineering & Consulting, dated 02/20/09, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance, dated February 21, 2009, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated February 21, 2009, signed and sealed by Warren W. Schaefer, P.E.
3. Proposal File #**07-2333**, approval date September 12th, 2007, signed by Manuel Perez, P.E., Plan Examiner, Building Code Compliance Office.

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 09-0326.04

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GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF 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:

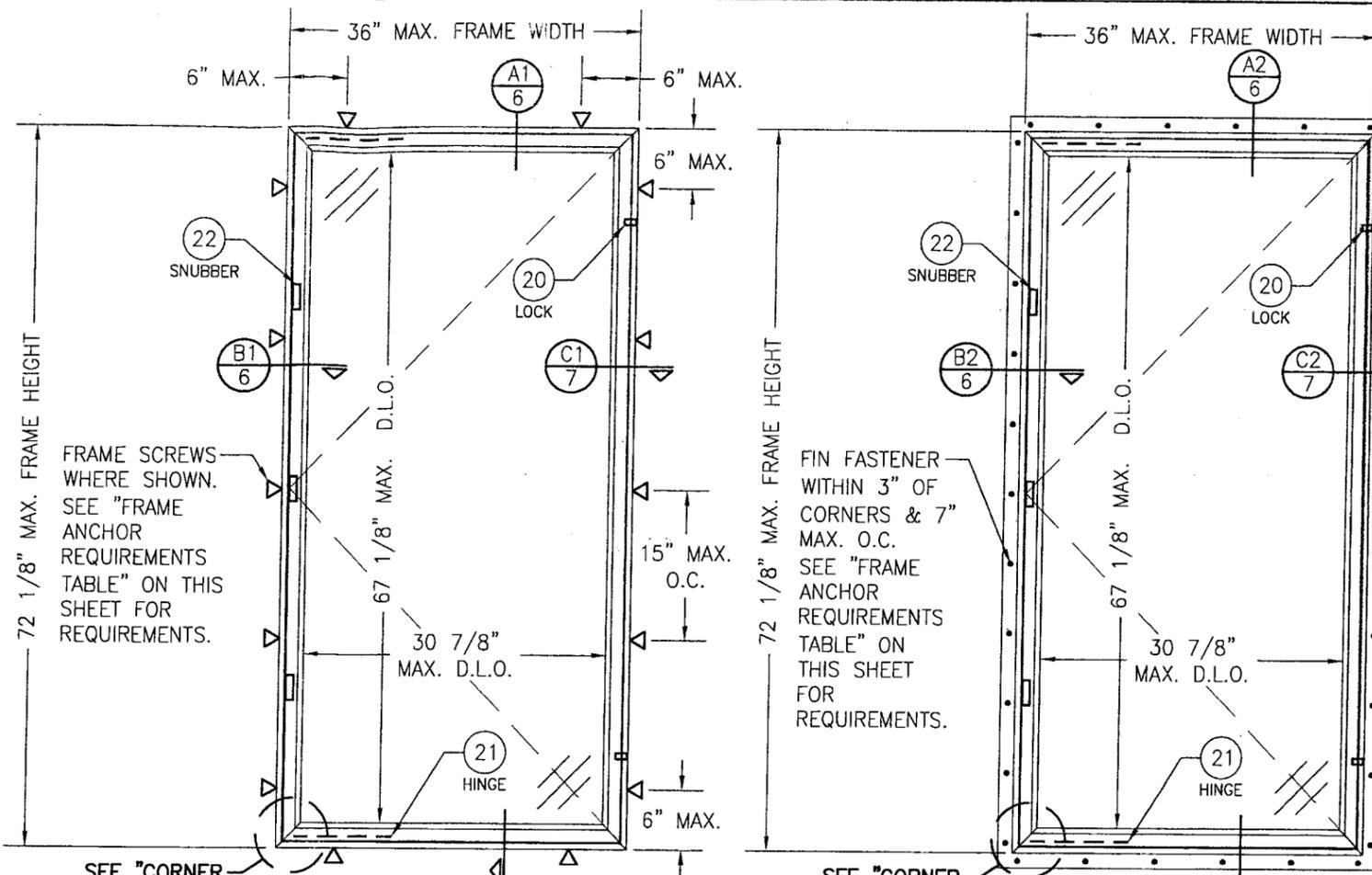
FRAME HEAD: THE SIDE WOOD MEMBERS ARE RABBETED & BUTTED TO THE HEAD MEMBER, SECURED WITH TWO(2) 18 GA. 7/16 X 1 3/4" STAPLES THROUGH THE HEAD INTO THE JAMB & ONE(1) 18 GA. 7/16 X 1 3/4" STAPLE THROUGH THE JAMB INTO THE HEAD.

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 ONE(1) 14 GA. X 2 1/2" FINISH NAIL THROUGH THE STILE INTO THE RAIL & ONE(1) 14GA. X 1 3/4" FINISH NAIL & ONE(1) 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.



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

**EXTERIOR ELEVATION:
SINGLE CASEMENT 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, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL 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
(ALL WINDOW CONDITIONS)**

+55/-70 PSF

**SNUBBER REQUIREMENTS
(ALL WINDOW CONDITIONS)**

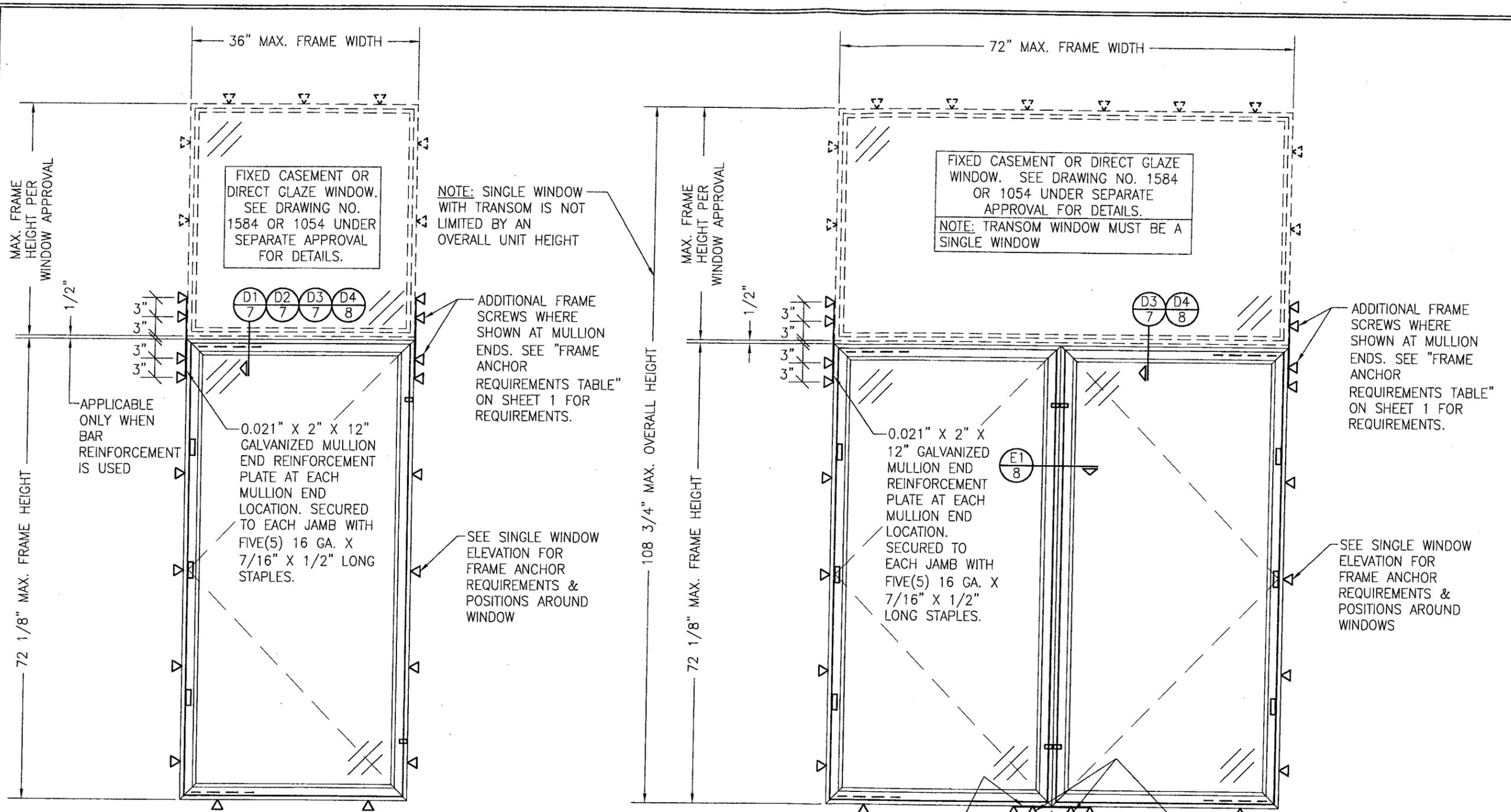
3 PER WINDOW

**LOCK REQUIREMENTS
(ALL WINDOW CONDITIONS)**

FRAME HEIGHT (IN.)	QUANTITY PER PANEL
OVER 44 1/8	2
44 1/8 & LESS	1

Approved as complying with the Florida Building Code
 Date JULY 1, 2009
 NOA# 09-0326.04
 Miami Dade Product Control Division
 By Manuel Perez

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	PLOT: 1-16	DATE: 02/04/08
DATE	BY	REVISION DESCRIPTION	NO.
1206 ALUMINUM CLAD WOOD IMPACT 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. 8885 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION MAR 23 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1583		REV.	
SHEET NO. 1		OF 9	



**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW WITH TRANSOM
(FRAME SCREW MOUNT CONDITION)**

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

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

ALLOWABLE DESIGN PRESSURE

SEE PRESSURE TABLE ON SHEET 1

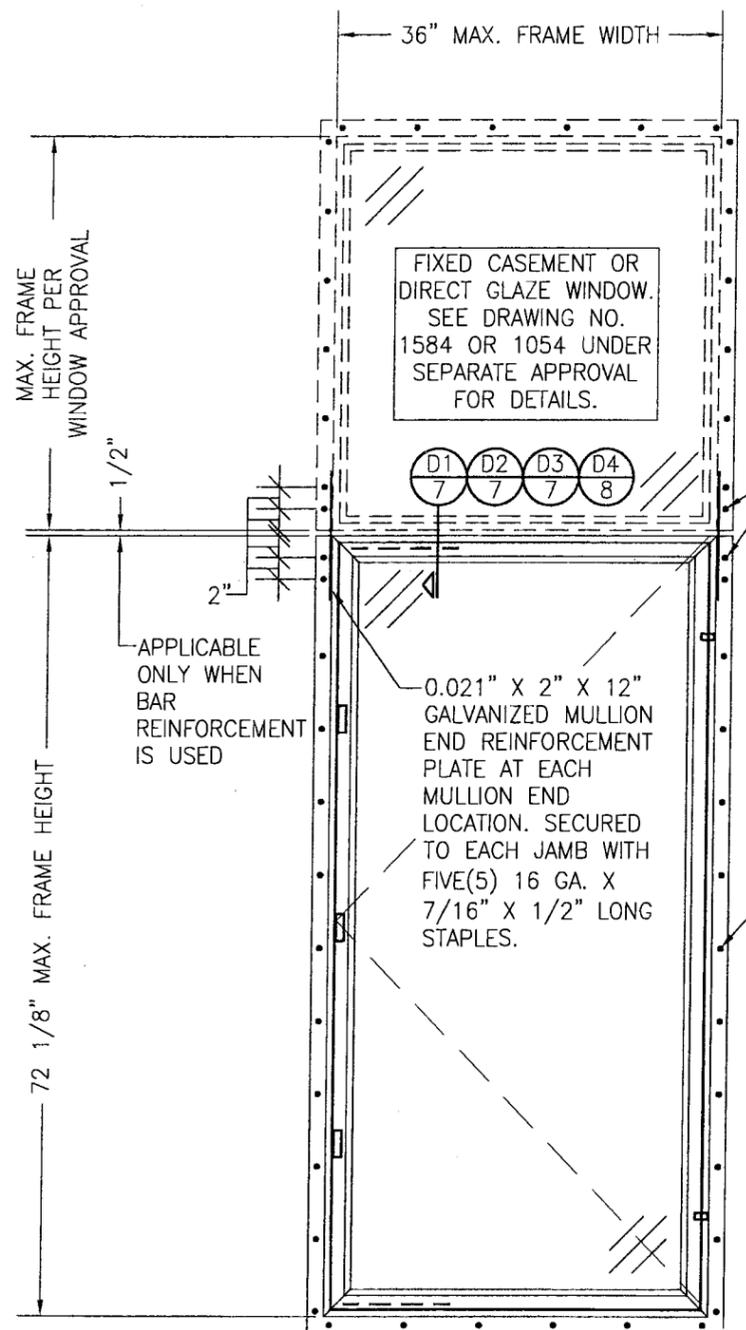
**EXTERIOR ELEVATION:
DOUBLE CASEMENT WINDOW WITH TRANSOM
(FRAME SCREW MOUNT CONDITION)**

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

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

Approved as complying with the
Florida Building Code
Date July 1, 2009
NOA# 09-0326-0Y
Miami Dade Product Control
Division
By Manuel Perez

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 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 WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION MAR 23 2009		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1583		REV.	
SHEET NO. 2		OF 9	



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

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

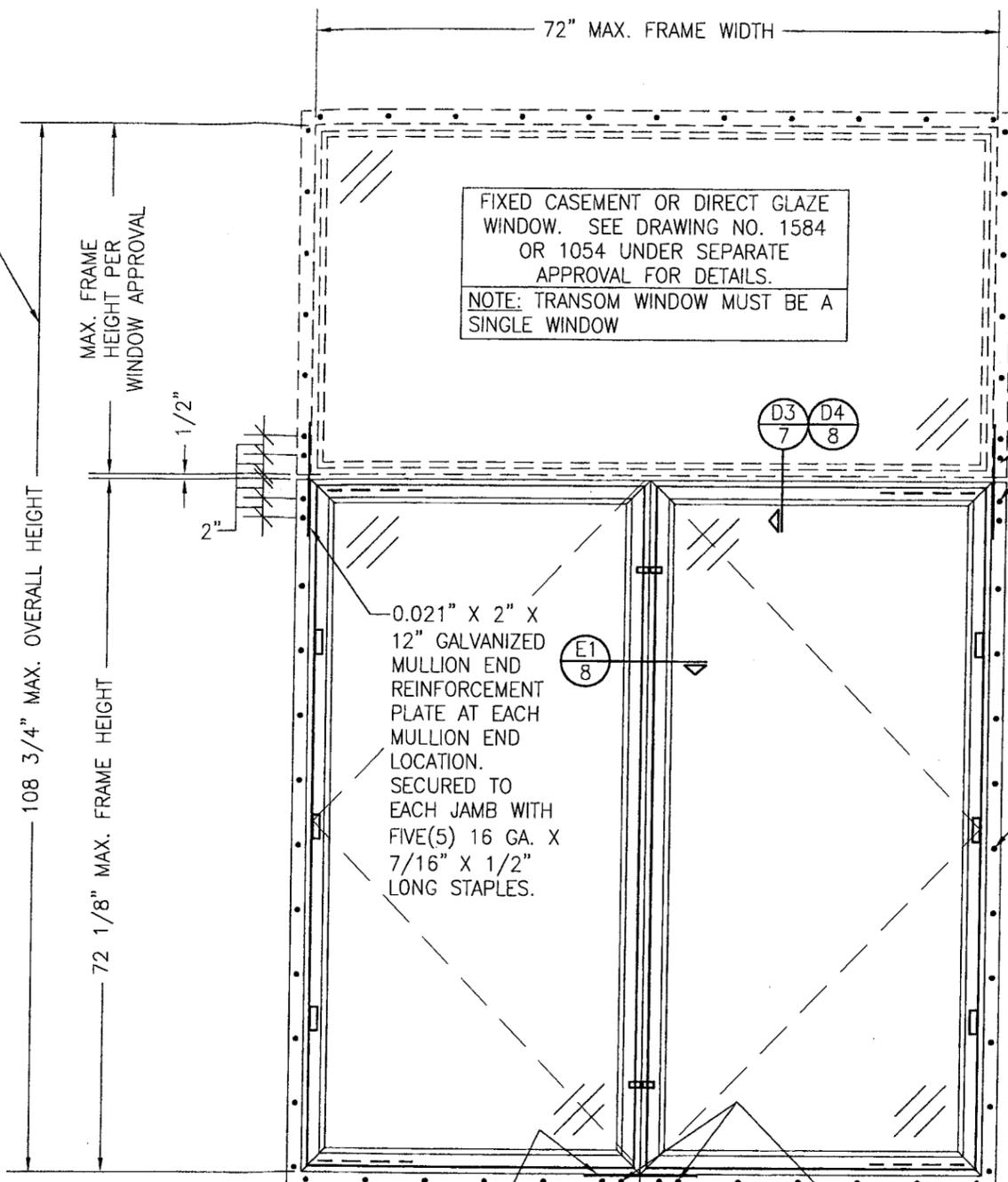
NOTE: SINGLE WINDOW WITH TRANSOM IS NOT LIMITED BY AN OVERALL UNIT HEIGHT

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.

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

FIXED CASEMENT OR DIRECT GLAZE WINDOW. SEE DRAWING NO. 1584 OR 1054 UNDER SEPARATE APPROVAL FOR DETAILS.

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:
DOUBLE CASEMENT WINDOW WITH TRANSOM
(FIN MOUNT CONDITION)**
SCALE: 3/4" = 1'-0"

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

FIXED CASEMENT OR DIRECT GLAZE WINDOW. SEE DRAWING NO. 1584 OR 1054 UNDER SEPARATE APPROVAL FOR DETAILS.
NOTE: TRANSOM WINDOW MUST BE A SINGLE WINDOW

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.

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

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.

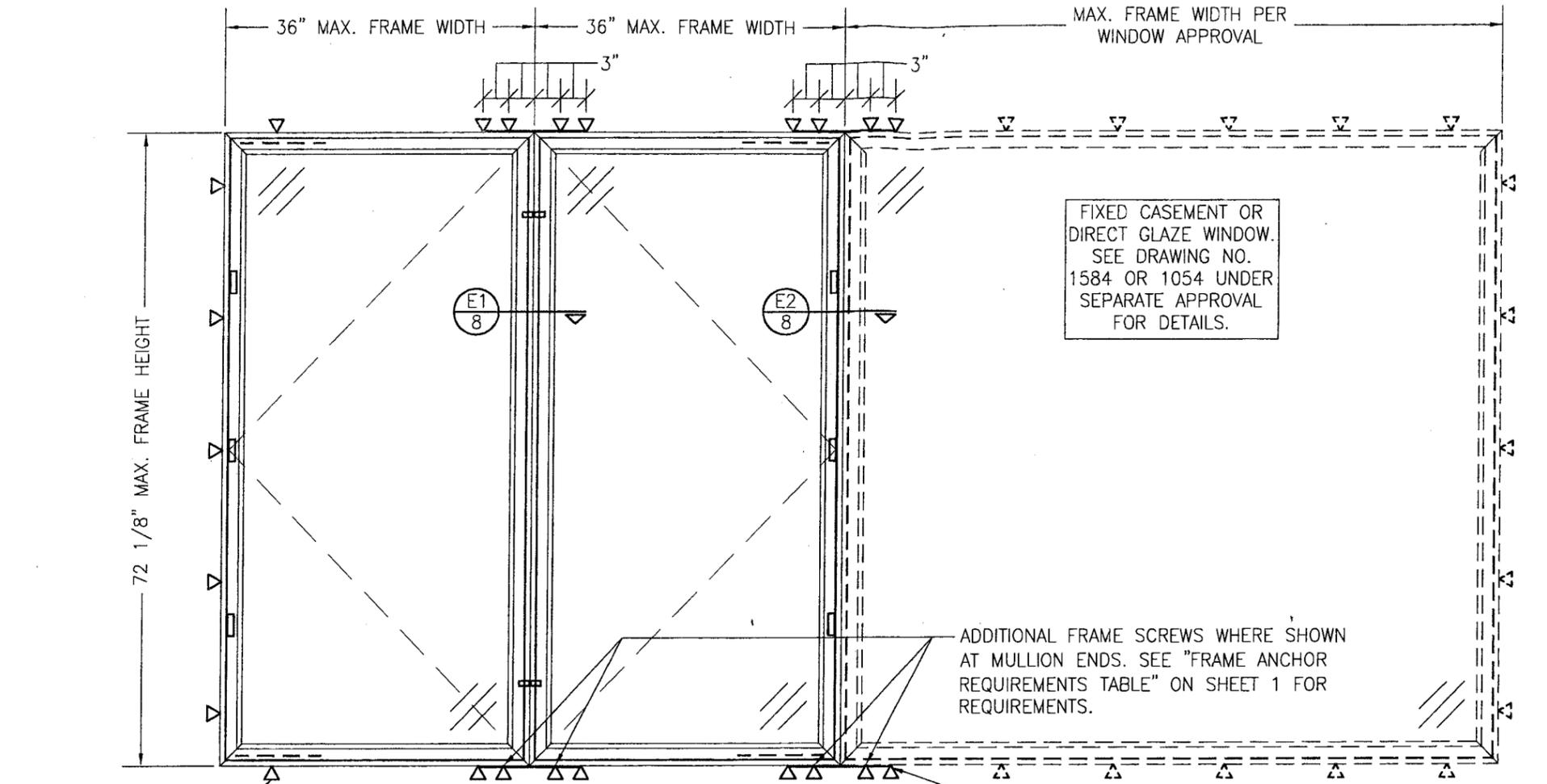
0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT SILL MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

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.

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

Approved as complying with the Florida Building Code
Date July 1, 2009
NOA# 09-0326.04
Miami Dade Product Control Division
By Warren W. Schaefer

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 02/04/09	
NO.	DATE	BY	REVISION DESCRIPTION
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION MAR 23 2009			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1583		REV.	
SHEET NO. 3		OF 9	



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

**EXTERIOR ELEVATION:
MULTIPLE CASEMENT/FIXED WINDOW
(FRAME SCREW MOUNT CONDITION)**

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

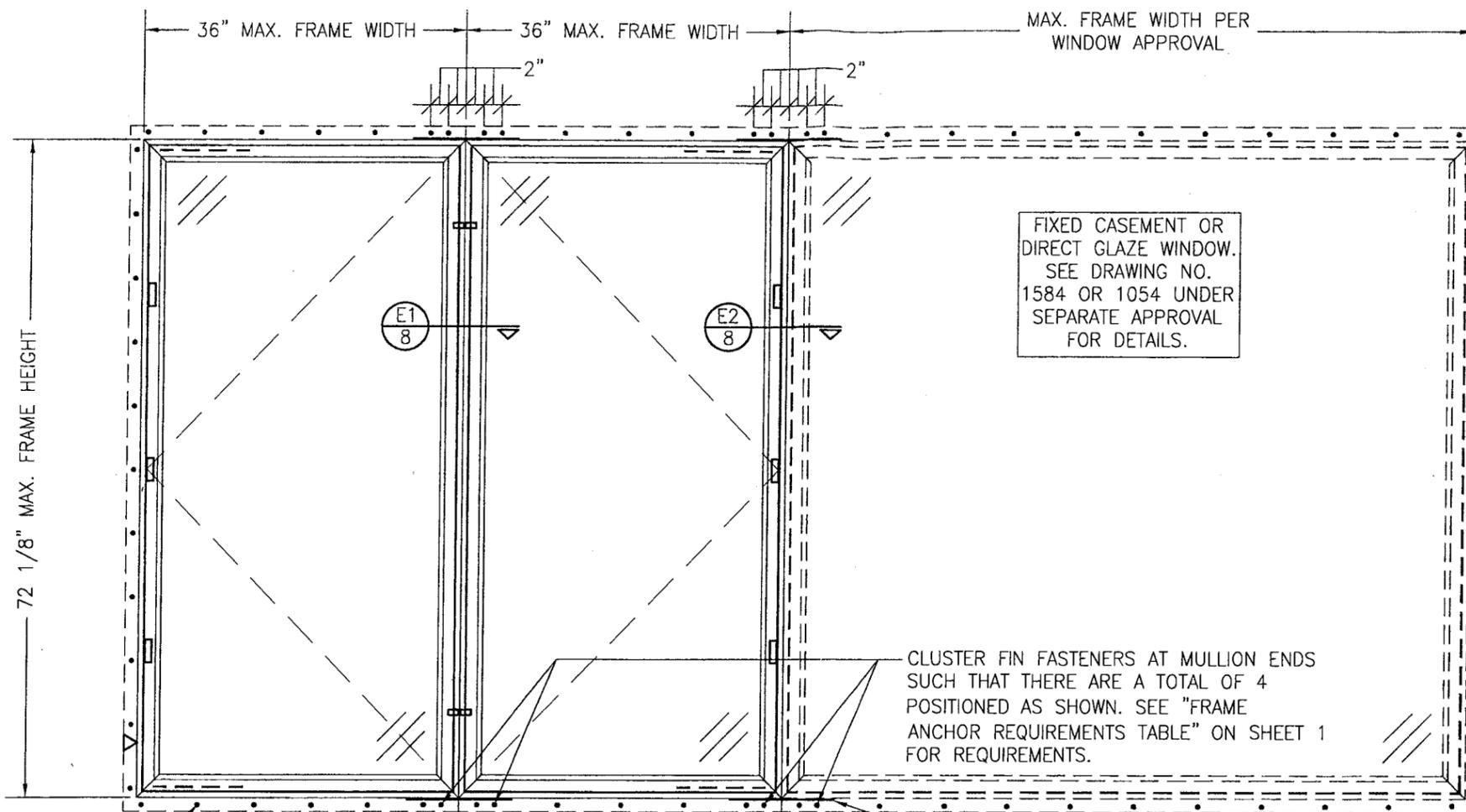
MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL WINDOW ELEVATION.
2. 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.
3. ANY COMBINATION OF FIXED/OPERABLE WINDOWS IN ONE OPENING SHALL APPLY.
4. INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

Approved as complying with the Florida Building Code
Date JULY 1, 2009
NOA# 09-0326.04
Miami Dade Product Control Division
By Warren W. Schaeffer

DRAWN BY: W.R.M.		CHECKED BY: W.S.	
PLOT: 1-16		DATE: 02/04/09	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION:	MAR 23 2009	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	1583	REV.	
SHEET NO.	4	OF	9



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

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 CASEMENT/FIXED WINDOW
(FIN MOUNT CONDITION)**

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

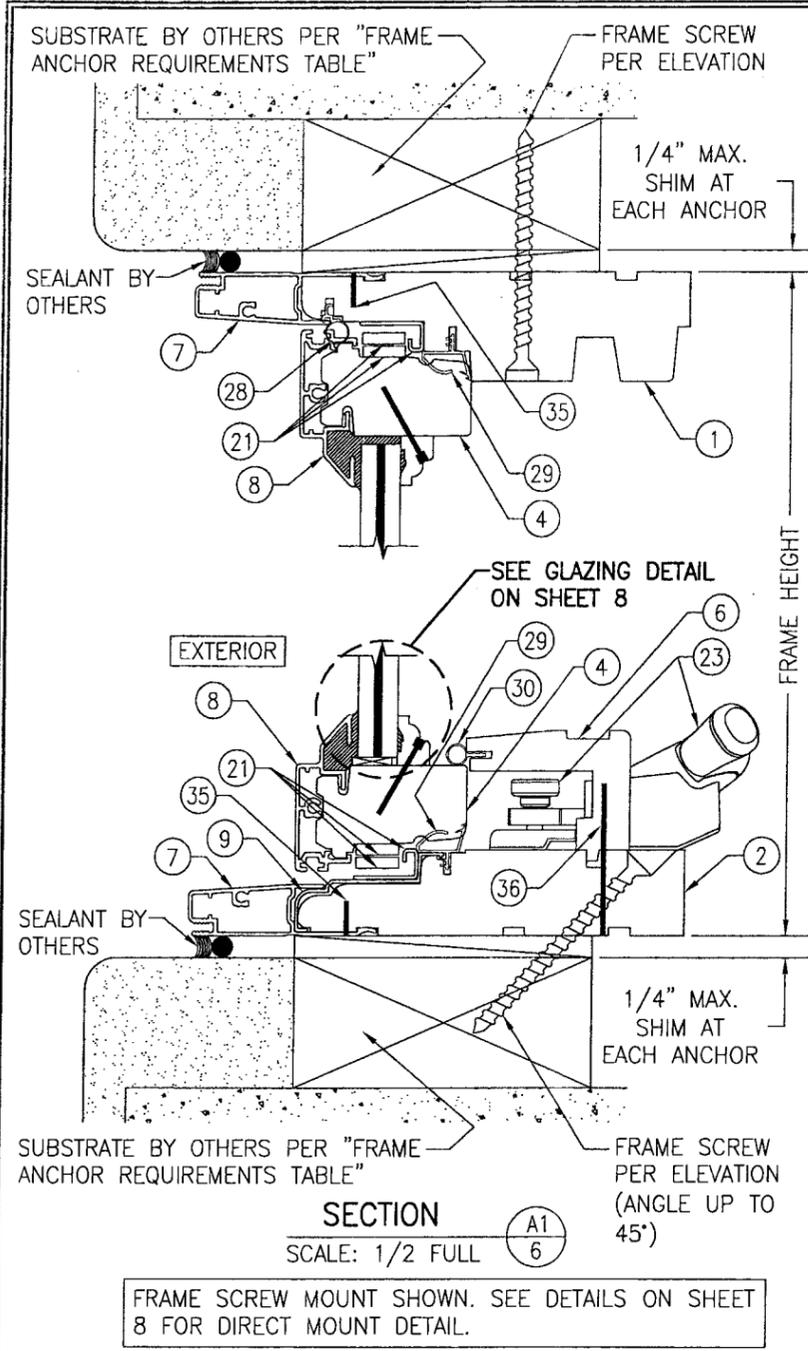
MULTIPLE UNIT NOTES:

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3. ANY COMBINATION OF FIXED/OPERABLE WINDOWS IN ONE OPENING SHALL APPLY.
4. INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

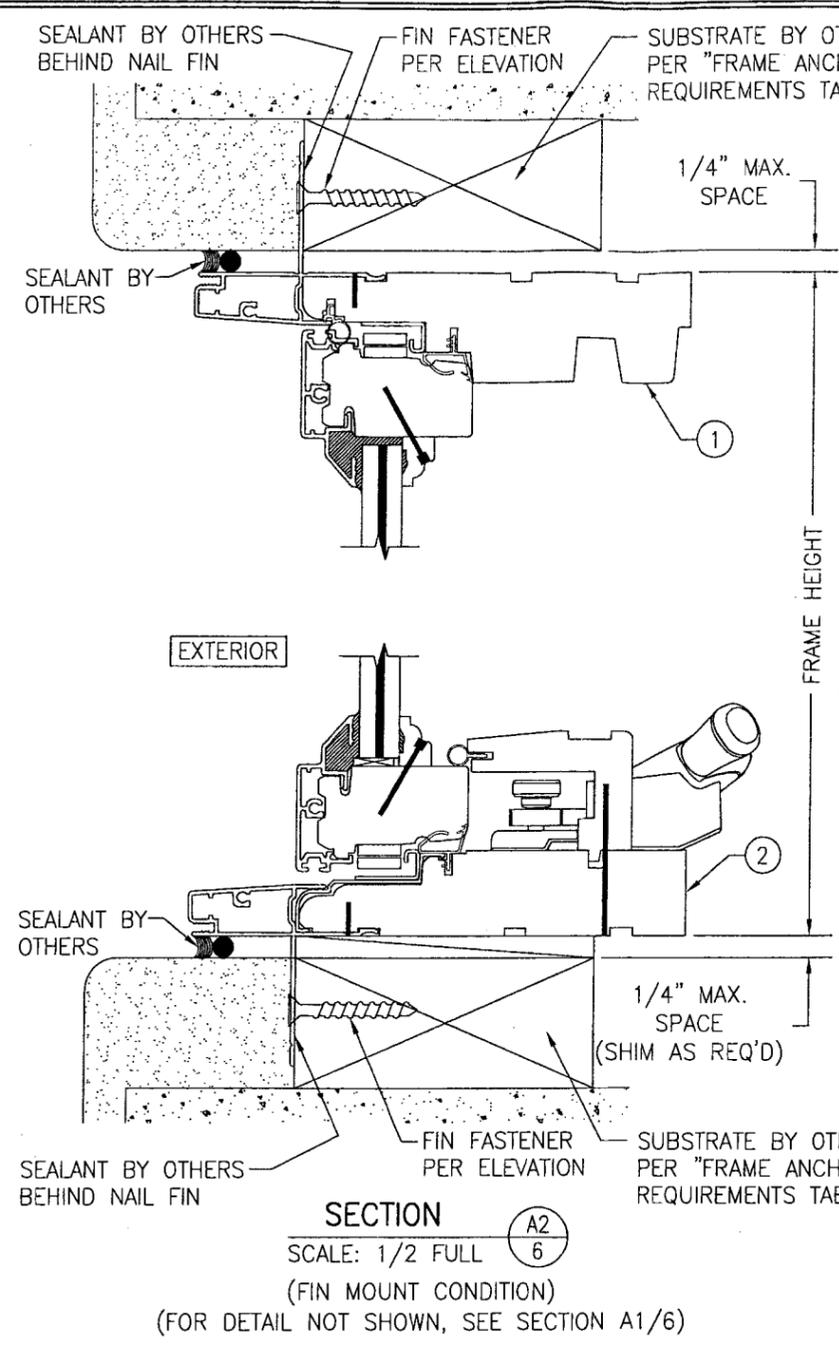
Approved as complying with the Florida Building Code
Date July 1, 2009
NOA# 09-0326-04
Miami Dade Product Control Division
By Manuel Perez

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 CASEMENT 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 MAR 23 2009		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1583		REV.	
SHEET NO. 5		OF 9	



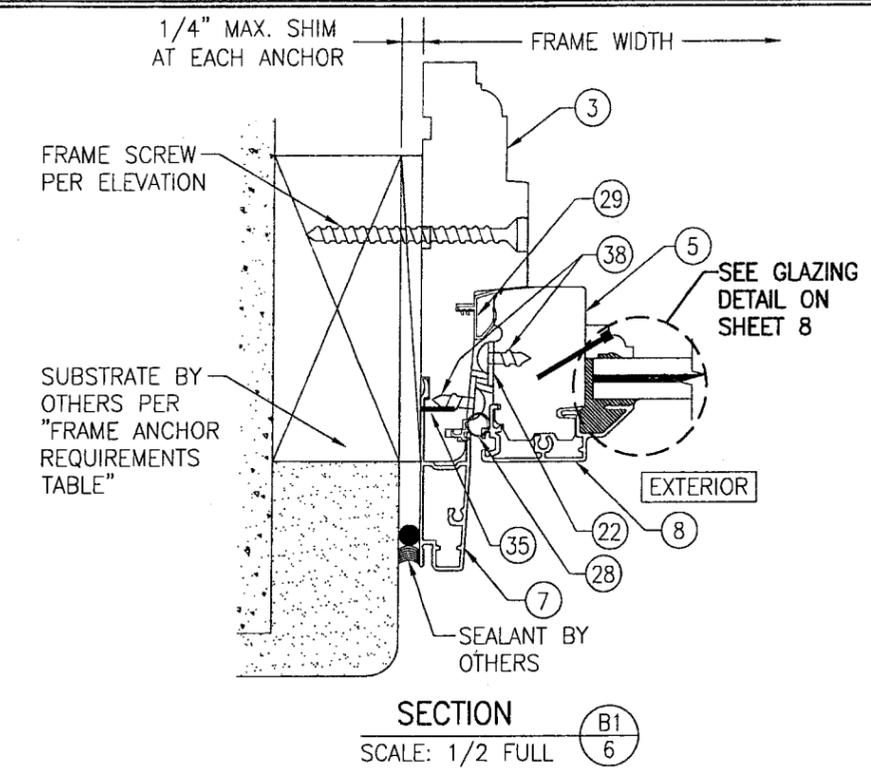
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FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.



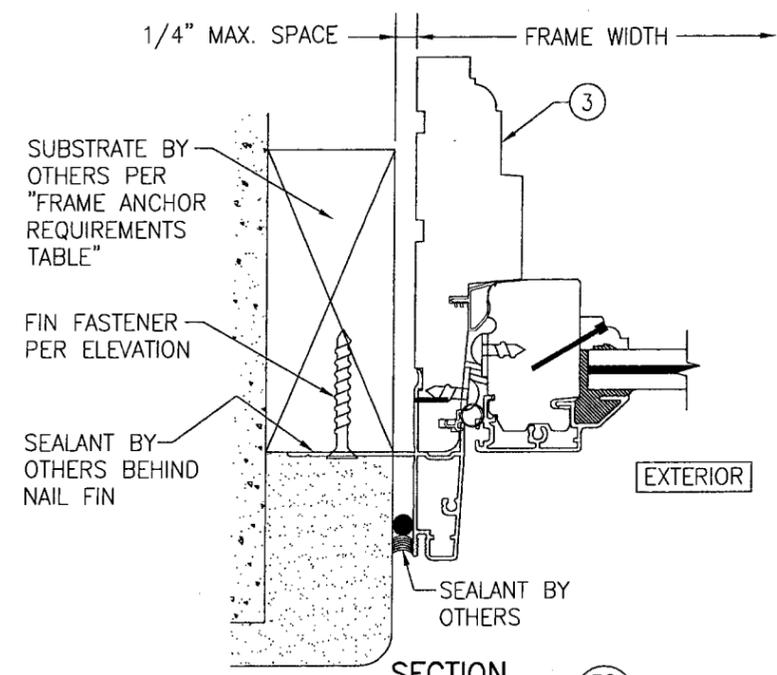
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(FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/6)



SECTION B1
SCALE: 1/2 FULL
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FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.

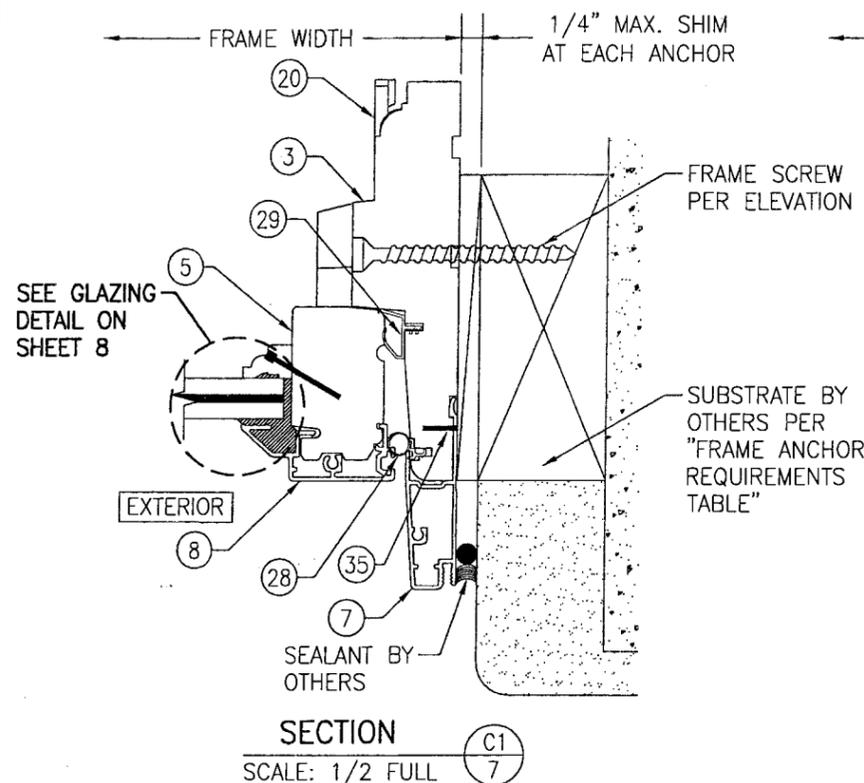


SECTION B2
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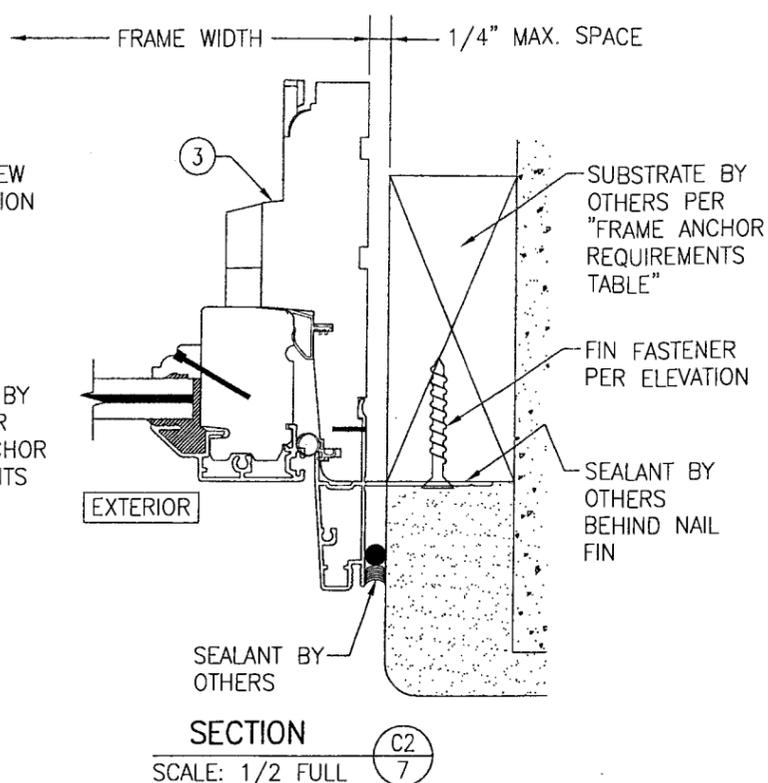
(FOR DETAIL NOT SHOWN, SEE SECTION B1/6)

Approved as complying with the Florida Building Code
Date July 1, 2009
NOA# 09-0326.04
Miami Dade Product Control Division
By Manuel Piza

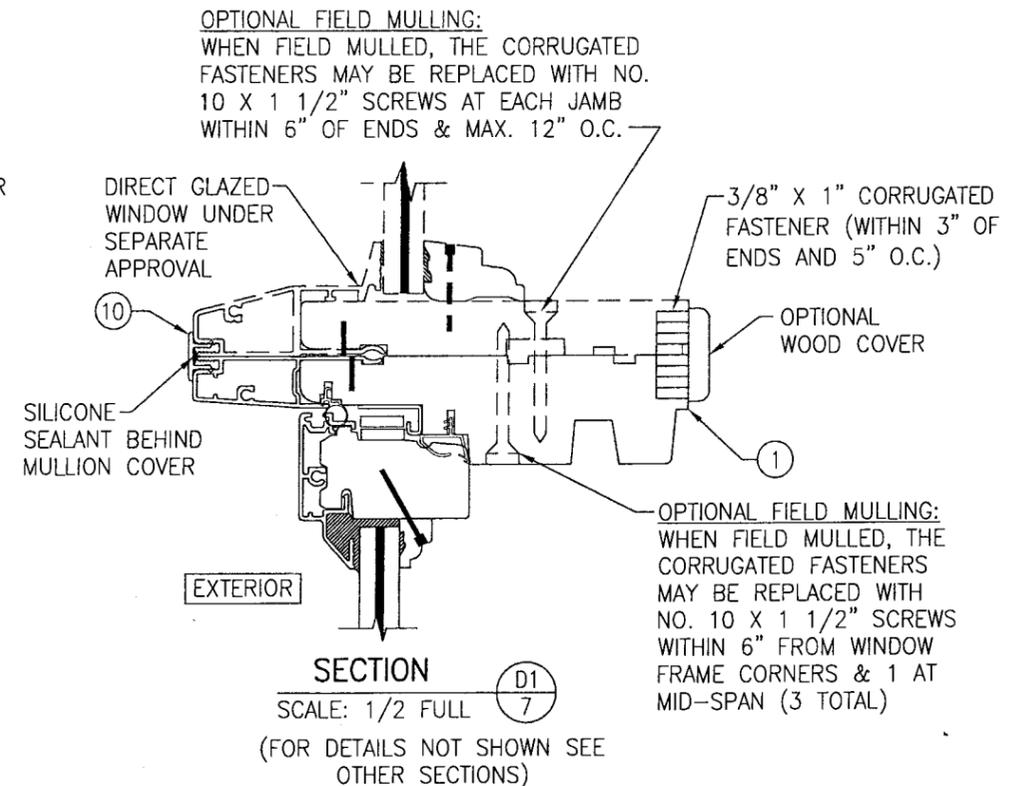
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	DATE: 02/04/09	NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555						
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903						
CERTIFICATION: <u>MAR 23 2009</u> WARREN W. SCHAEFER, P.E. P.E. NO. 44135						
DRAWING NO.		REV.		SHEET NO.		
1583				6 OF 9		



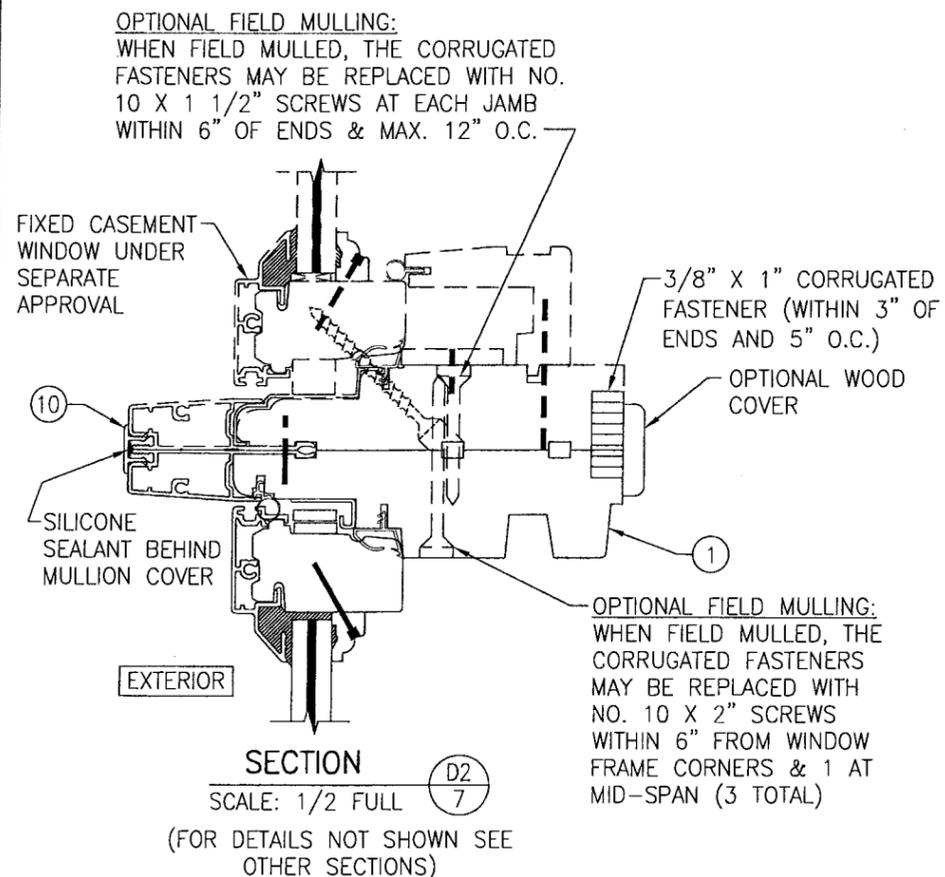
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.



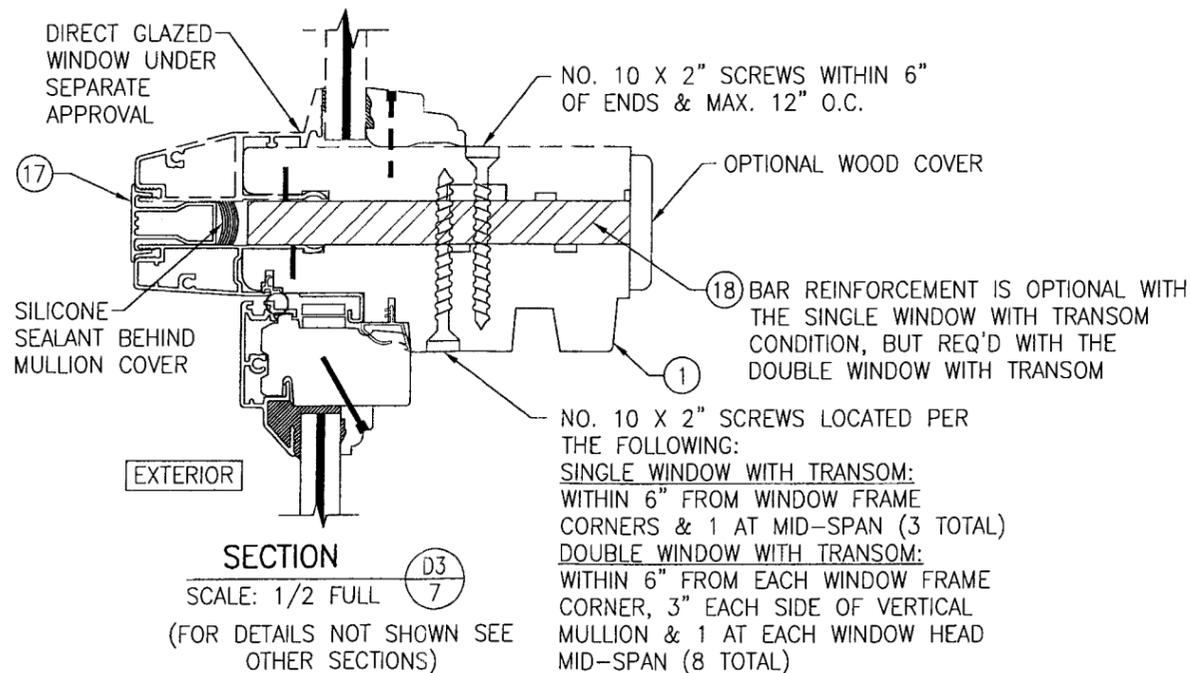
(FOR DETAIL NOT SHOWN, SEE SECTION C1/7)



(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)



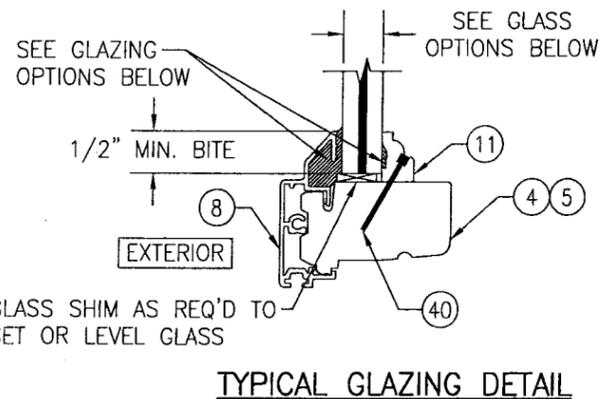
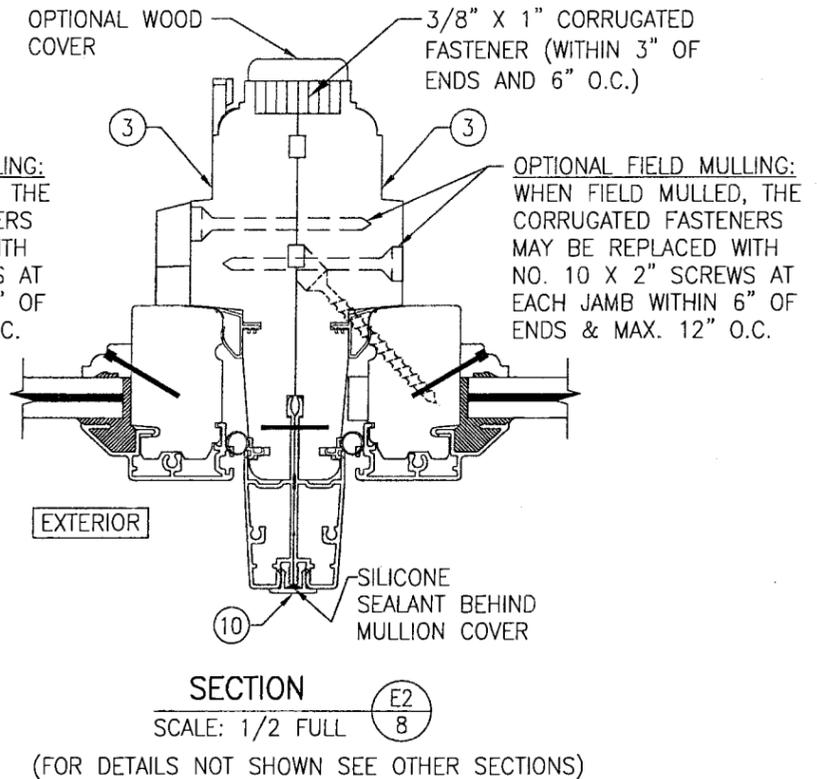
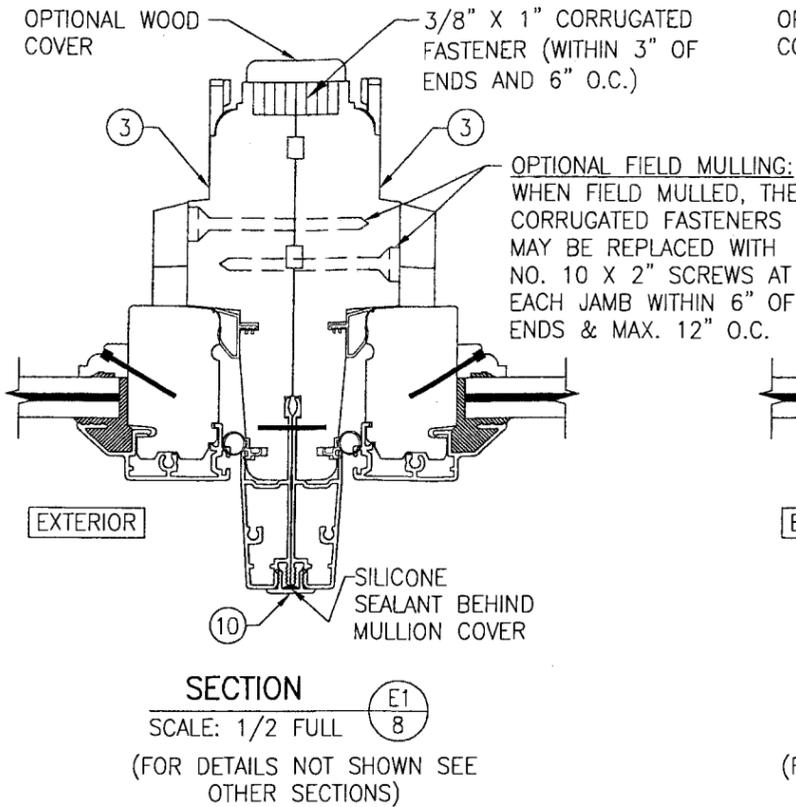
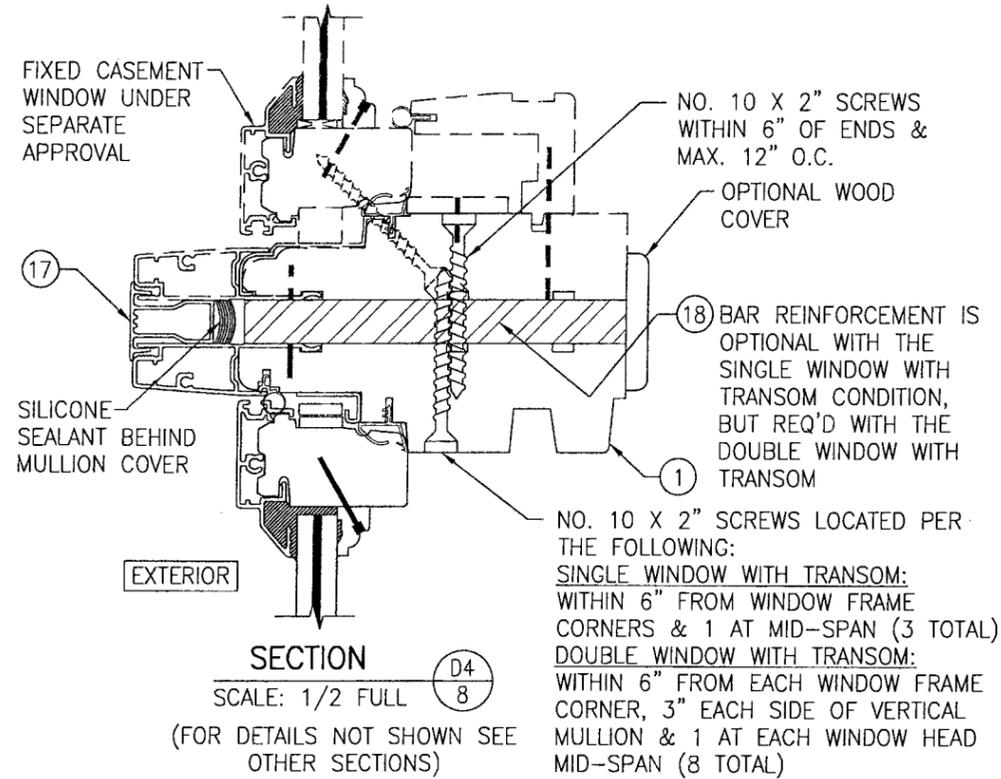
(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)



(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)

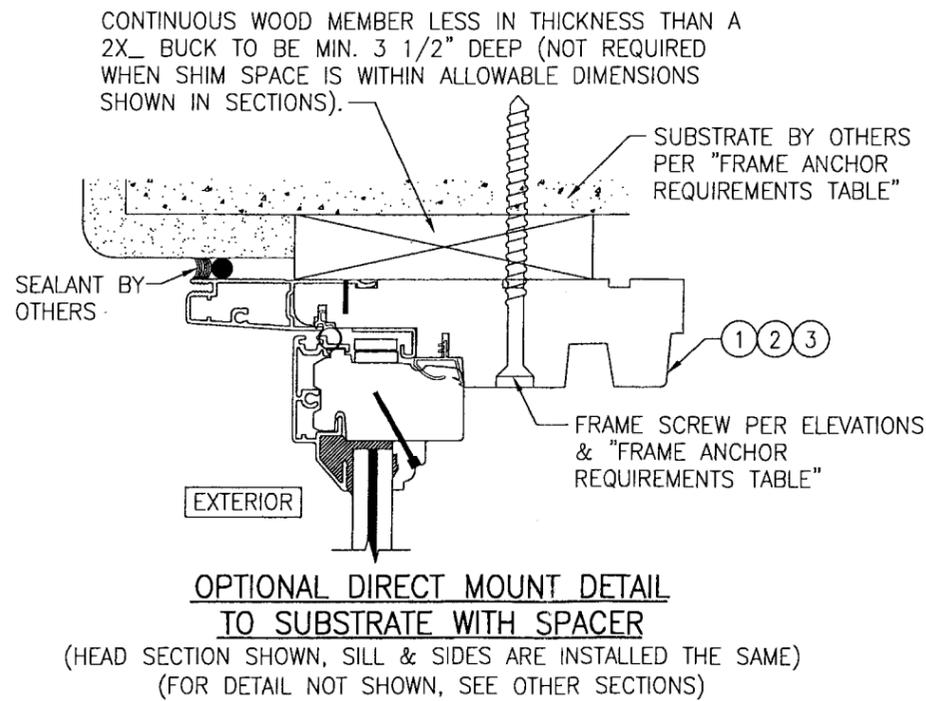
Approved as complying with the Florida Building Code
 Date July 1, 2009
 NOA# 09-0326.04
 Miami Dade Product Control Division
 By Mauro P...

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 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. 1583		REV.	
SHEET NO. 7 OF 9			



GLASS OPTIONS:
 OPTION 1: 7/16" LAMINATED GLASS BY SOLUTIA (3/16" AN/0.09 SAFLEX IIIIG PVB/3/16" AN)
 OPTION 2: 7/16" LAMINATED GLASS BY DUPONT (3/16" AN/0.09 DUPONT SGP/3/16" AN)

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

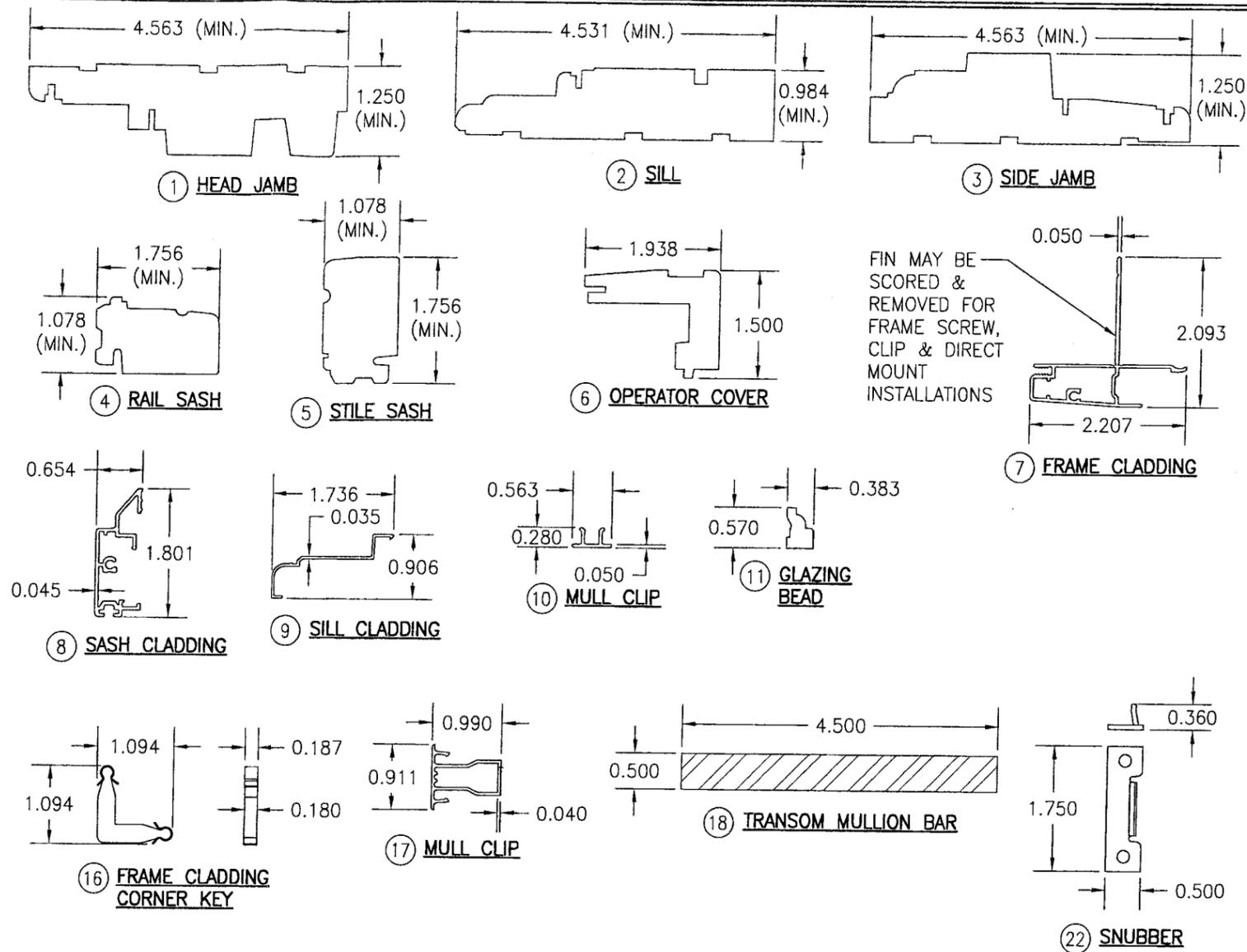


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 02/04/09
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CERTIFICATION MAR 23 2009	By: <i>Warren Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1583	REV.
SHEET NO. 8	OF 9

Approved as complying with the Florida Building Code
 Date July 1, 2009
 NOA# 09-0326 by
 Miami Dade Product Control Division
 By: *Warren Schaefer*

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
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	16 GA. X 3/8" X 3/8" STAPLE	WITHIN 3" FROM ENDS & 8" TO 10" O.C.
36	16 GA. X 1/2" X 1 3/4" STAPLE	WITHIN 8" FROM ENDS & 8" TO 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.



FIN MAY BE SCORED & REMOVED FOR FRAME SCREW, CLIP & DIRECT MOUNT INSTALLATIONS

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 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

Approved as complying with the Florida Building Code
 Date: MAY 13 2009
 NOA#: 04-0326-04
 Miami Dade Product Control Division
 By: Warren W. Schaefer

CERTIFICATION	MAR 23 2009	WARREN W. SCHAEFER, P.E.
DRAWING NO.	1583	REV.
SHEET NO.	9	OF 9