



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

[www.buldingcodeonline.com](http://www.buldingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**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 "Legacy" Tilt Aluminum Clad Wood Double Hung Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1496, titled "Legacy Aluminum Clad Double Hung Tilt Window. (Model 1103)", sheets 1 through 5 of 5, dated 08/28/06, 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 and E-2, as well as approval document mentioned above.

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



NOA No 06-1005.07  
Expiration Date: February 22, 2012  
Approval Date: February 22, 2007  
Page 1

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **1496**, Sheets 1 through 5 of 5, titled "Legacy Aluminum Clad Double Hung Tilt Window (Model 1103)", dated 08/28/06, 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 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of mulled double hung alum. clad wood windows, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCC- 180-7086 Rev. A**, dated 01/10/06-02/28/06, revised on 01/19/07, signed and sealed by Thomas Kolden.
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 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of mulled double hung alum. clad wood windows with transom lites, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCC- 180-7087.2 Rev. A**, dated 01/10/06-02/28/06, revised on 01/19/07, signed and sealed by Thomas Kolden.

**C. CALCULATIONS**

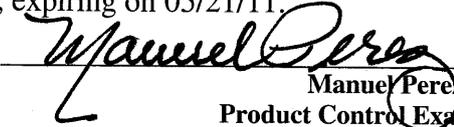
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 9/22/06, signed and sealed by Warren W. Schaefer, P.E.  
**Complies with ASTM E1300-98**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-1005.07  
Expiration Date: February 22, 2012  
Approval Date: February 22, 2007

**Weather Shield Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated September 19, 2006, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated September 19, 2006, signed and sealed by Warren W. Schaefer, P.E.

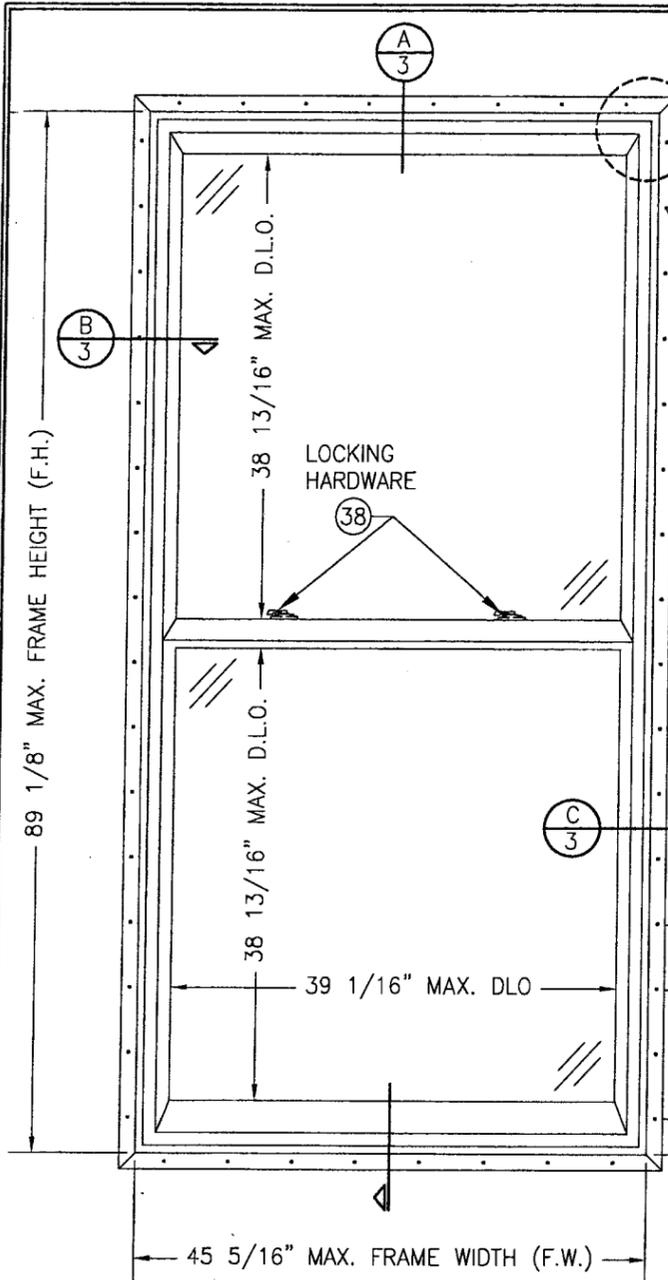
**G. OTHER**

1. None.
- 



Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-1005.07

Expiration Date: February 22, 2012  
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SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

TYP. FIN MOUNT FASTENER WITHIN 3" OF CORNERS AND MAX. 6" O.C. ALL SIDES. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR FASTENER REQUIREMENTS.

ALLOWABLE DESIGN PRESSURE  
(SINGLE & MULLED UNITS)  
+55/-70 PSF

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FIN MOUNT FASTENER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/2"	1/2"

**EXTERIOR ELEVATION: SINGLE WINDOW**

**GENERAL NOTES**

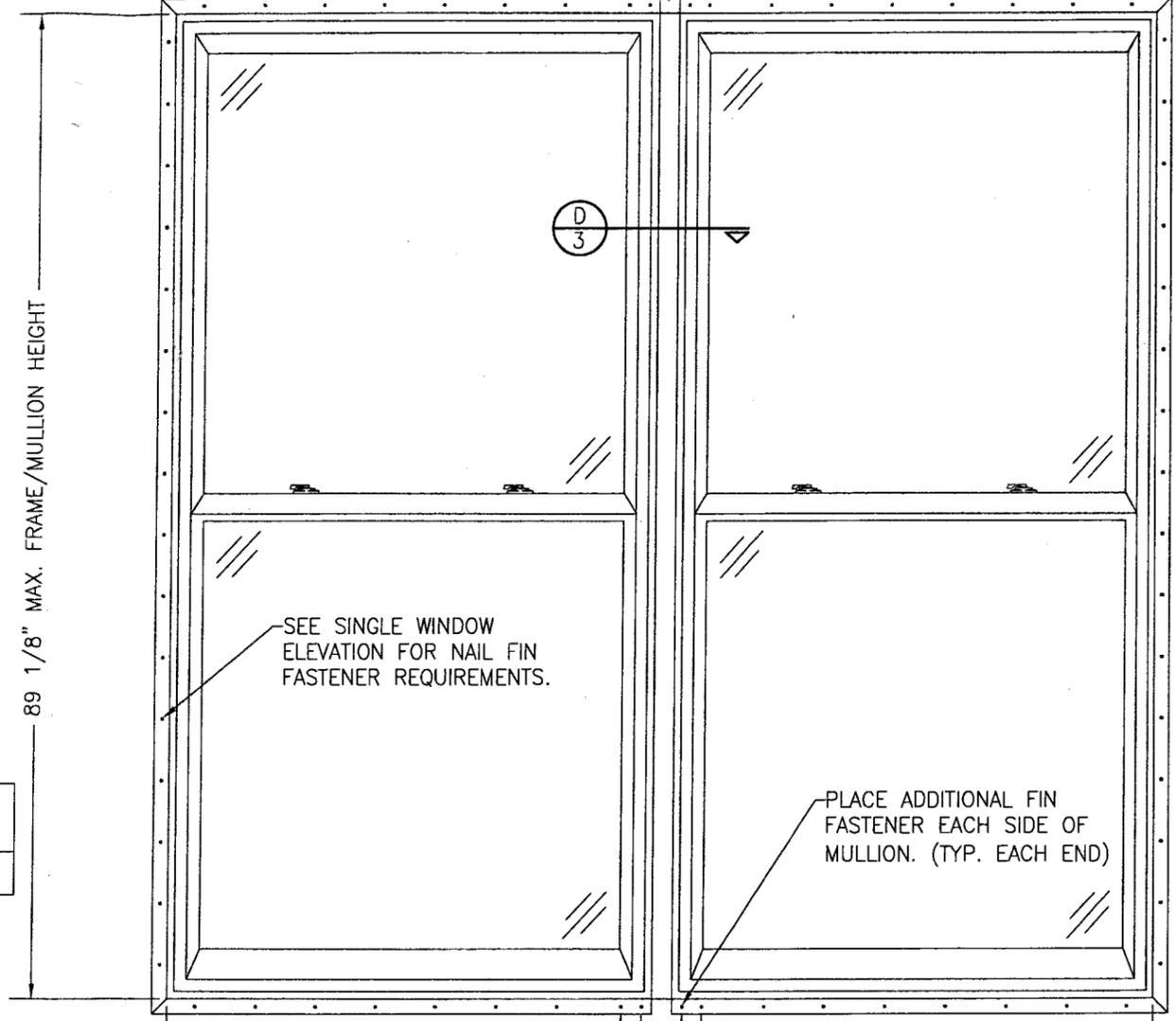
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
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 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. ALL FRAME ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

**CORNER CONSTRUCTION:**

**FRAME CORNERS:** WOOD/LVL JAMBS ARE RABBETED, BUTTED, SEALED WITH SILICONE & SECURED WITH THREE(3) 16 GAGE X 1/2" X 1 3/4" STAPLES PER CORNER. CLAD IS MITER CUT, CORNER KEYED, SEALED AND SECURED WITH 1 NO. 6 X 1 1/4" SMS 410 S.S. SCREW PER CORNER.

**SASH CORNERS:** WOOD SASH CORNERS ARE TONGUE & GROOVE FIT WITH CORNERS BUTTED AND SECURED WITH 1 F16 X 2" FINISH NAIL THROUGH THE STILE INTO THE RAIL. ALUMINUM CLAD CORNERS ARE MITER CUT, JOINED WITH CORNER KEY, SECURED WITH 2 NO. 6 X 1 1/4" SMS 410 S.S. SCREWS & SEALED WITH SILICONE.

CLOSE OFF NAIL FIN ENDS AT MULLION ENDS WITH ADHESIVE BACKED GASKET BY WEATHER SHIELD



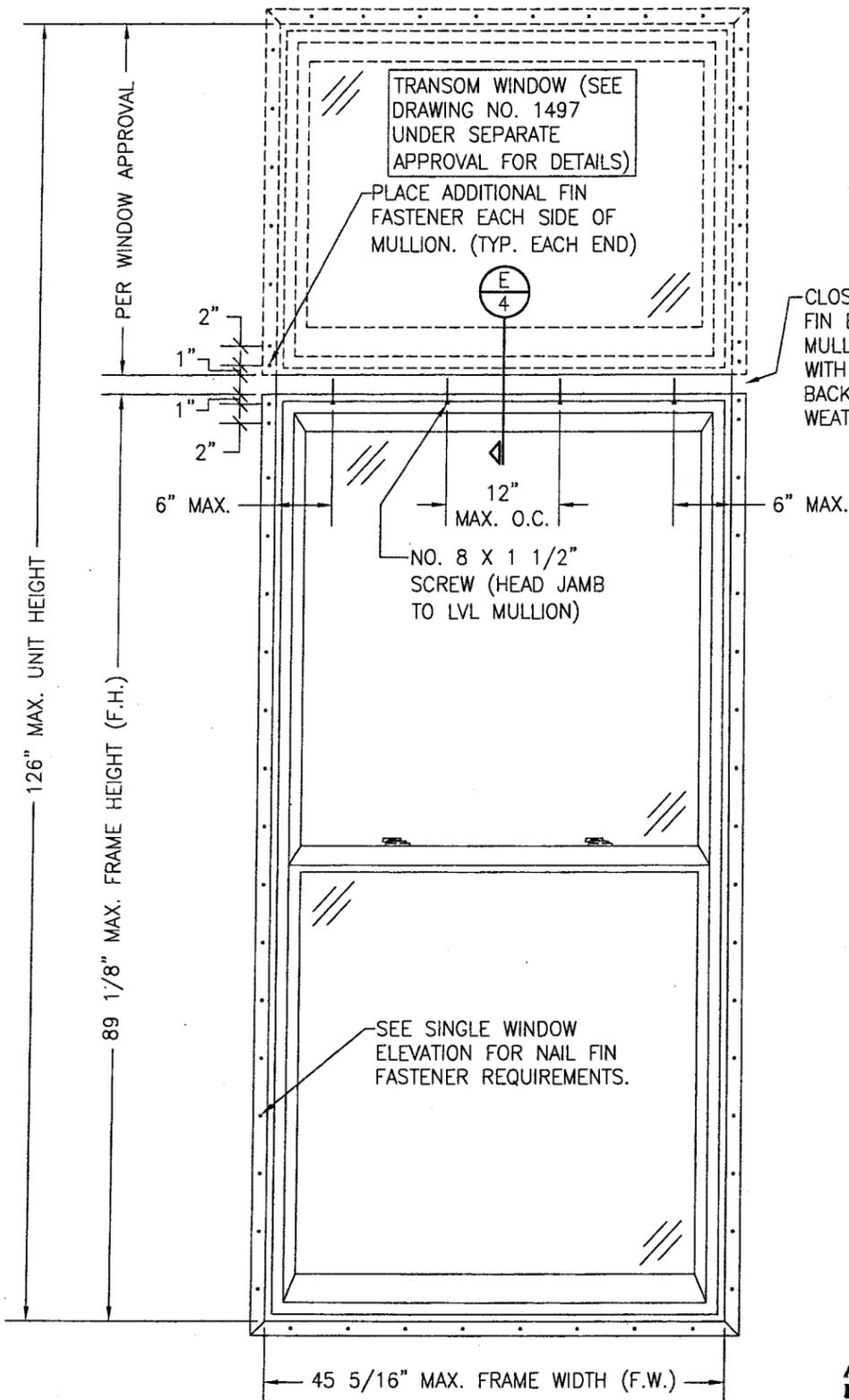
**EXTERIOR ELEVATION: MULTIPLE HORIZONTAL WINDOWS**

(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

NOTES: 1. ALL MULLED WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.  
2. UP TO 4 WINDOWS MAY BE STACKED HORIZONTALLY IN ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE WINDOWS & THEIR TRANSFERRED WIND LOADS.

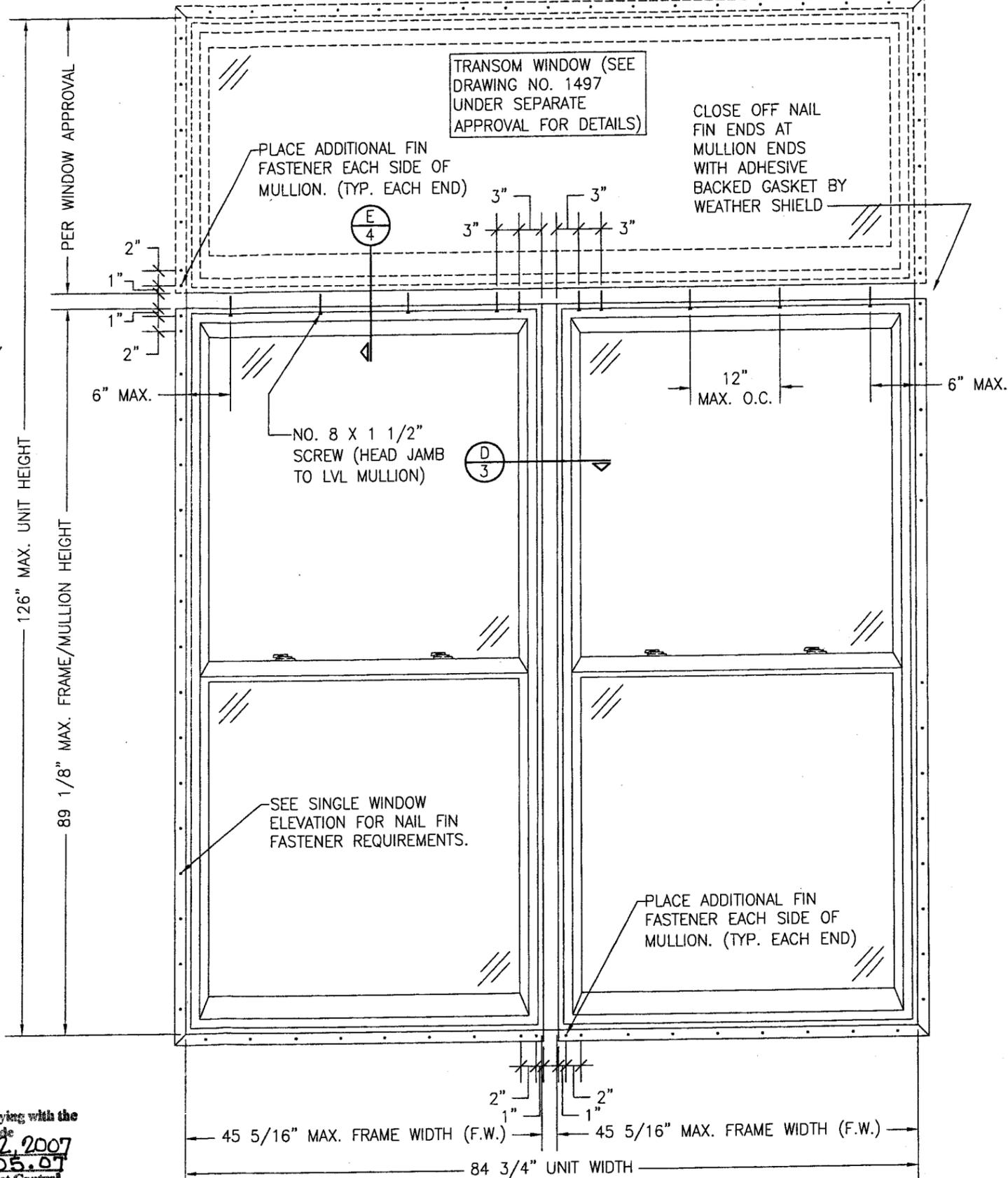
Approved as complying with the Florida Building Code  
Date **FEB. 22, 2007**  
NOA# **06-1005.07**  
Miami Dade Product Control Division  
By: *Manuel Perez*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 08/28/06
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE <b>LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103)</b>	
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. REV. <b>1496</b>	
SHEET NO. <b>1 OF 5</b>	
CERTIFICATION <b>SEP 26 2006</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	



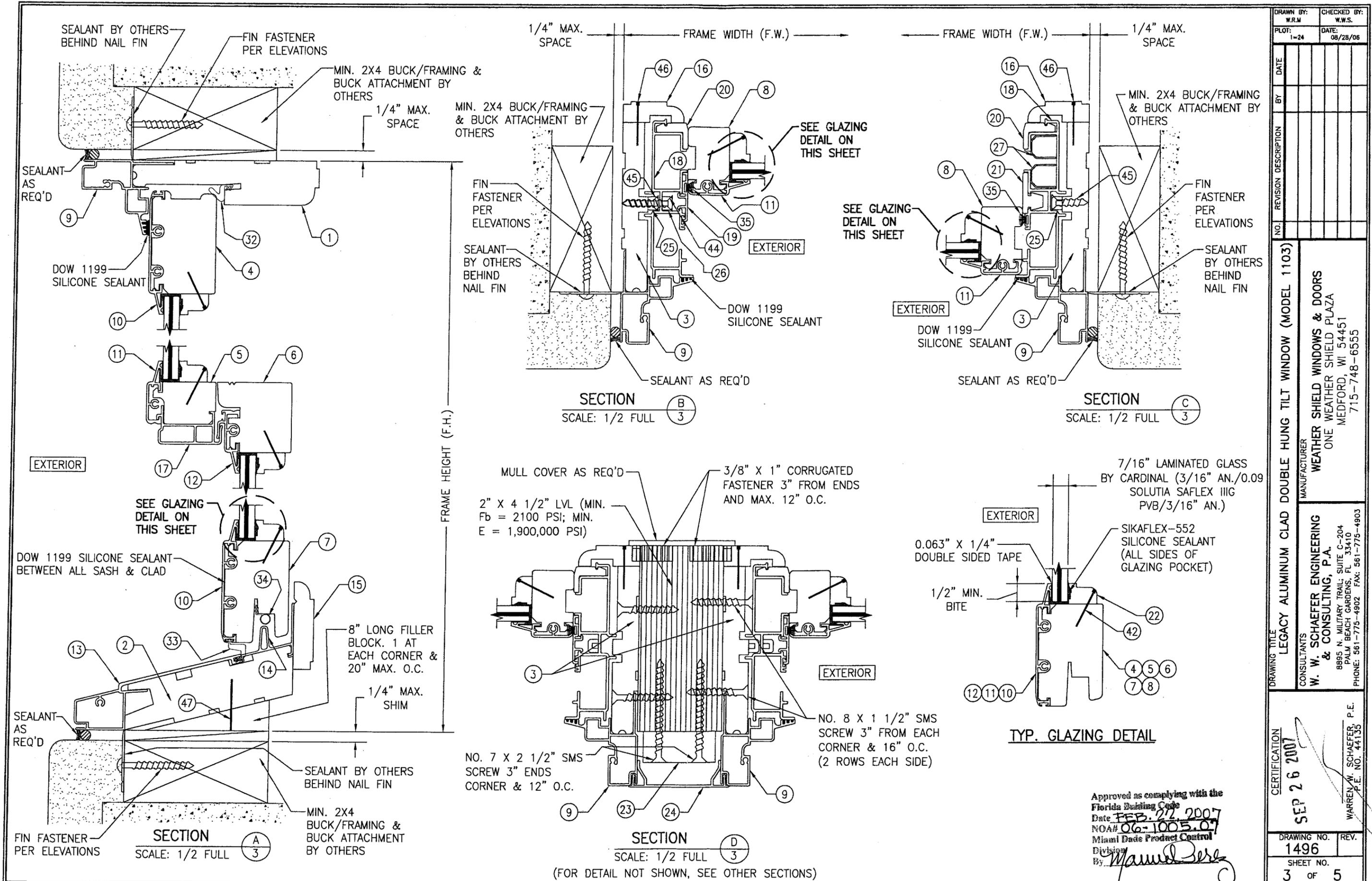
**EXTERIOR ELEVATION;  
SINGLE WINDOW WITH TRANSOM**  
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1)

Approved as complying with the  
Florida Building Code  
Date FEB. 22, 2007  
NOA# 06-1005.07  
Miami Dade Product Control  
Division  
By *Manuel Perez*



**EXTERIOR ELEVATION; TWIN WINDOW WITH TRANSOM**  
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1)  
NOTE: ALL MULLED WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.

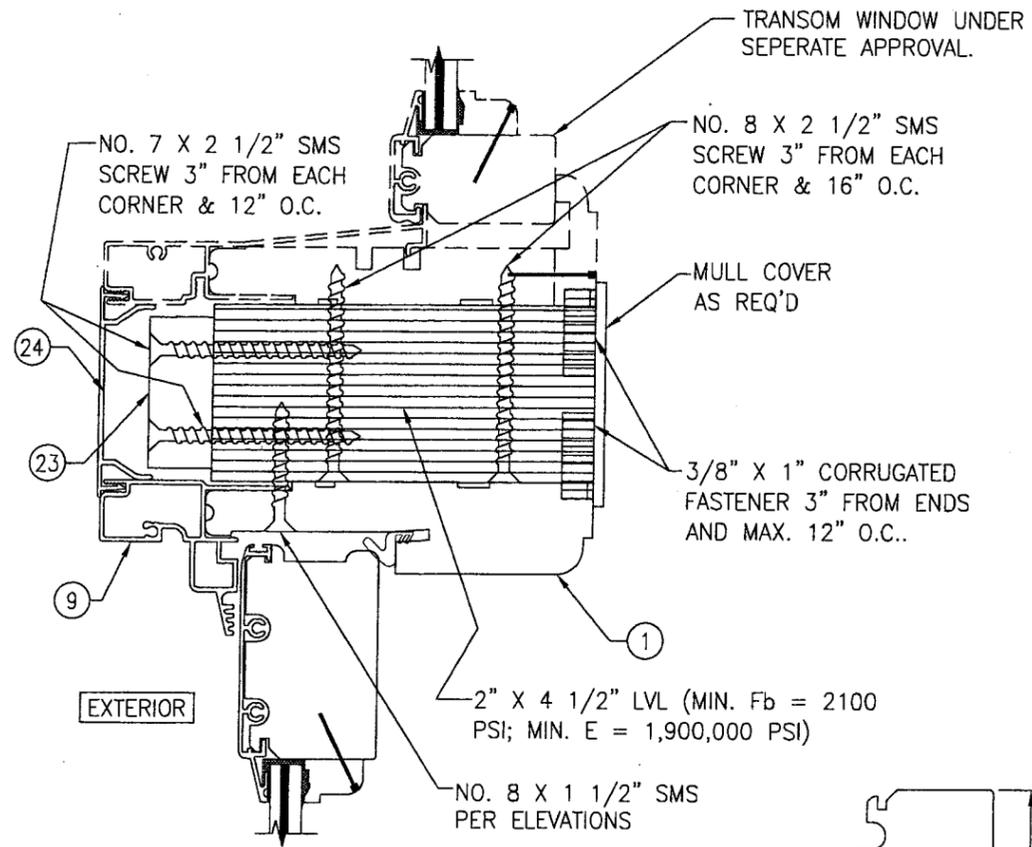
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 08/28/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103)</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
800 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>SEP 26 2007</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1496</b>	REV.
SHEET NO. <b>2 OF 5</b>	



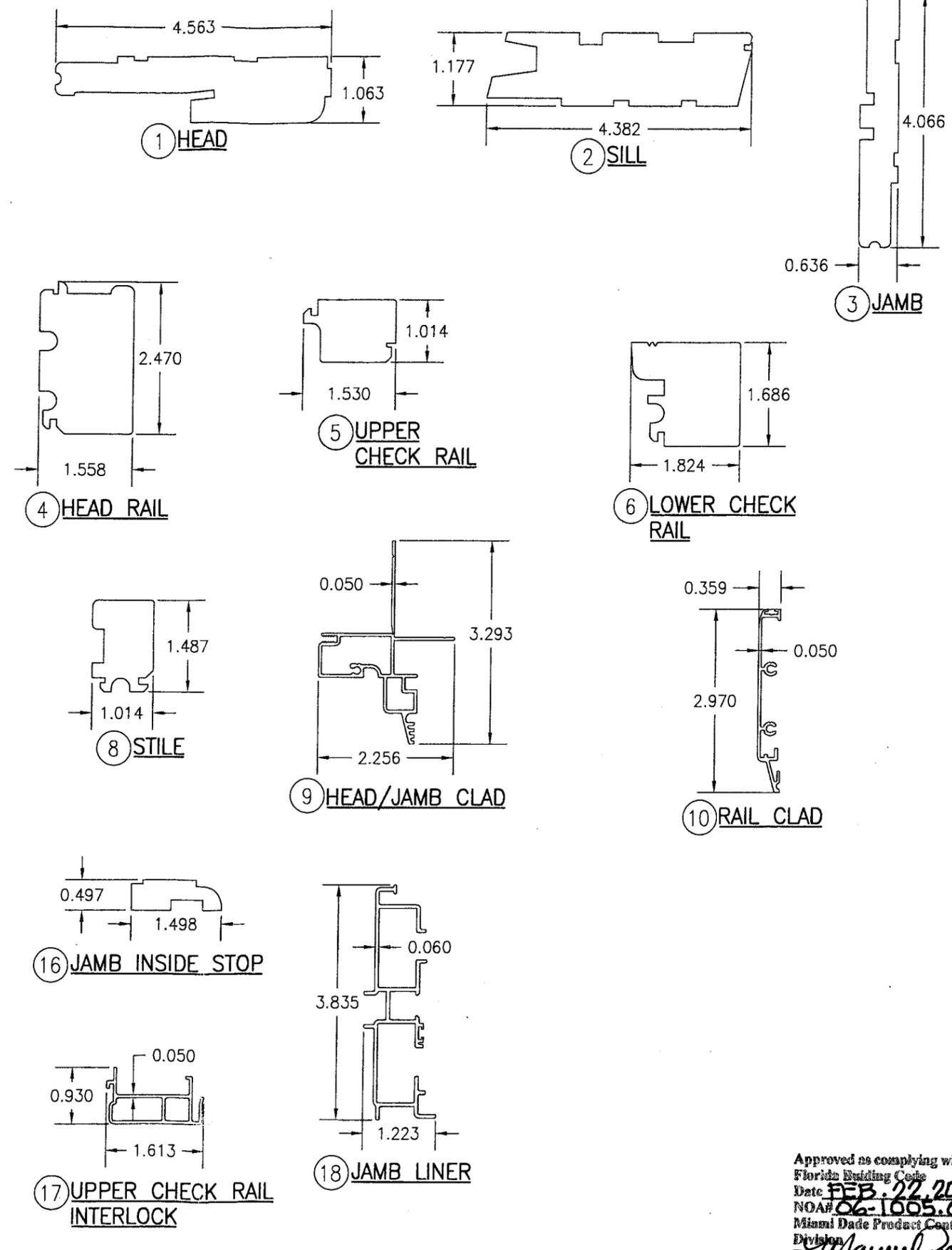
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 08/28/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103)	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8805 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION SEP 26 2007	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1496	REV.
SHEET NO. 3	OF 5

Approved as complying with the Florida Building Code  
 Date FEB. 22, 2007  
 NOA# 06-1005.07  
 Miami Dade Product Control  
 Division  
 By *Manuel Perez*

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

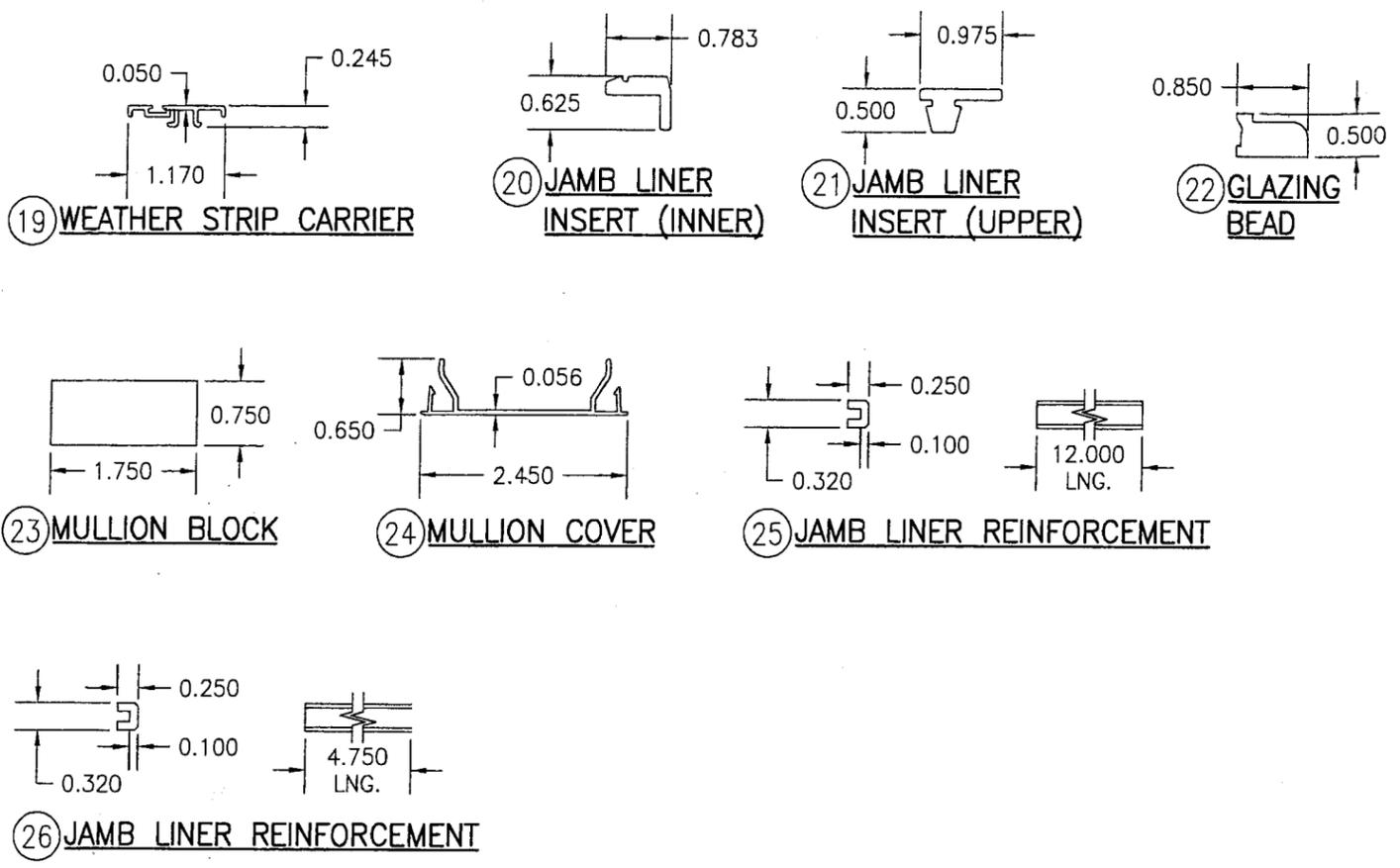


SECTION E  
SCALE: 1/2 FULL  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



Approved as complying with the Florida Building Code  
Date FEB 22, 2007  
NOAH 06-1005.07  
Miami Dade Product Control Division  
By *Warren W. Schaefer*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 08/28/06	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103)			
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: SEP 26 2006			
DRAWING NO. 1496		REV.	
SHEET NO. 4 OF 5			



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	08-1008-01	HEAD	* PONDEROSA PINE
2	08-1003-01	SILL	* PONDEROSA PINE
3	60-4931-01	JAMB	LVL (Fb = 2,100 PSI; E = 1,900,000 PSI)
4	08-1897-02	HEAD RAIL	* PONDEROSA PINE
5	70-0502-01	UPPER CHECK RAIL	* PONDEROSA PINE
6	60-1588-01	LOWER CHECK RAIL	* PONDEROSA PINE
7	08-1022-01	SILL RAIL	* PONDEROSA PINE
8	08-1025-01	STILE	* PONDEROSA PINE
9	P0119700	HEAD/JAMB CLAD	6063-T5 ALUMINUM
10	04-1017-01	RAIL CLAD	6063-T5 ALUMINUM
11	60-1596-01	STILE & UPPER CHECK RAIL CLAD	6063-T5 ALUMINUM
12	60-1584-01	LOWER CHECK RAIL CLAD	6063-T5 ALUMINUM
13	P0120600	SILL CLAD	6063-T5 ALUMINUM
14	224-063	SILL RISER	6063-T5 ALUMINUM
15	08-1005-01	SILL INSIDE STOP	* PONDEROSA PINE
16	08-1892-02	JAMB INSIDE STOP	* PONDEROSA PINE
17	70-0501-01	UPPER CHECK RAIL INTERLOCK	6063-T5 ALUMINUM
18	60-2493-01	JAMB LINER	VINYL BY FIVE STAR PLASTICS
19	60-2490-01	WEATHER STRIP CARRIER	6063-T5 ALUMINUM
20	60-2493-01	JAMB LINER INSERT (INNER)	* PONDEROSA PINE
21	60-2487-01	JAMB LINER INSERT (UPPER)	* PONDEROSA PINE
22	08-1492-02	GLAZING BEAD	* PONDEROSA PINE
23	-	MULLION BLOCK	* PONDEROSA PINE
24	04-2225-02	MULLION COVER	6063-T5 ALUMINUM
25	60-5437-01	JAMB LINER REINFORCEMENT	PVC/FIVE STAR PLASTICS
26	60-5437-01	JAMB LINER REINFORCEMENT	PVC/FIVE STAR PLASTICS
27	60-4832-01	BLOCK & TACKLE BALANCE HOUSINGS	BALANCE SYSTEMS, INC.
SEALS AND SEALANTS			
32	12-0011-M01	WEATHERSTRIP	VINYL/SCHLEGEL
33	12-0055-M0456	WEATHERSTRIP	VINYL/SCHLEGEL
34	02-V8045	BULB WEATHERSTRIP	VINYL
35	12-0030-V0166	WEATHERSTRIP	PILE/AMESBURY
HARDWARE			
38	60-3526-01	LOCK ASSEMBLY	5 STAR PLASTICS
MISC. FASTENERS			
42	-	18 GA. X 1" BRAD	WITHIN 3" OF ENDS & 8" O.C.
44	-	NO. 8 X 1 1/4" SCREW	5 PER REINFORCEMENT
45	-	NO. 8 X 7/8" SCREW	2 PER REINFORCEMENT
46	-	18 GA. X 3/16" X 1 1/4" STAPLE	WITHIN 3" OF ENDS & 10" O.C.
47	-	7/16" CROWN X 1 1/8"	MIN. 4 PER BLOCK

\* WOOD USED WITH TEST UNITS WAS GRADE 2 PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.  
 NOTE: ALL WOOD IS RECEIVED BY WEATHER SHIELD AS GRADE 2, BUT IS MACHINED BY WEATHER SHIELD TO A SELECT GRADE USE.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	PLOT: 1=24	DATE: 08/28/06
NO.	REVISION DESCRIPTION	DATE	BY
LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103)			
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 SEP 28 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1496	REV.	SHEET NO. 5 OF 5	

Approved as complying with the Florida Building Code  
 Date FEB. 22, 2007  
 NOAH 06-1005.07  
 Miami Date Product Control  
 By *Mauro Perez*