



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.buldingcodeonline.com

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" Transom Aluminum Clad Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1497, titled "Legacy Aluminum Clad Tilt Transom. (Model 1103)", sheets 1 through 3 of 3, 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 06-1005.08
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 **1497**, Sheets 1 through 3 of 3, titled "Legacy Aluminum Clad Tilt Transom (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
along with marked-up drawings and installation diagram alum. clad wood fixed windows, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCC- 180-7087.1 Rev. A**, dated 01/10/06-02/28/06 with revision dated 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
along with marked-up drawings and installation diagram of mulled alum. Clad wood double hung windows with an alum. Clad wood fixed transom lite, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCC- 180-7087.2 Rev. A**, dated 01/10/06-02/28/06 with revision dated 01/19/07, signed and sealed by Thomas Kolden.

C. CALCULATIONS

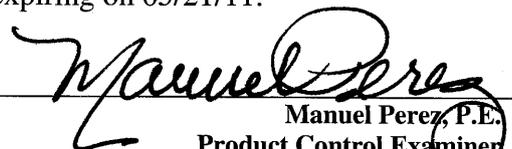
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 9/22/06, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-02

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 IIIIG Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-1005.08
Expiration Date: February 22, 2012
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Weather Shield Manufacturing, Inc.

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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

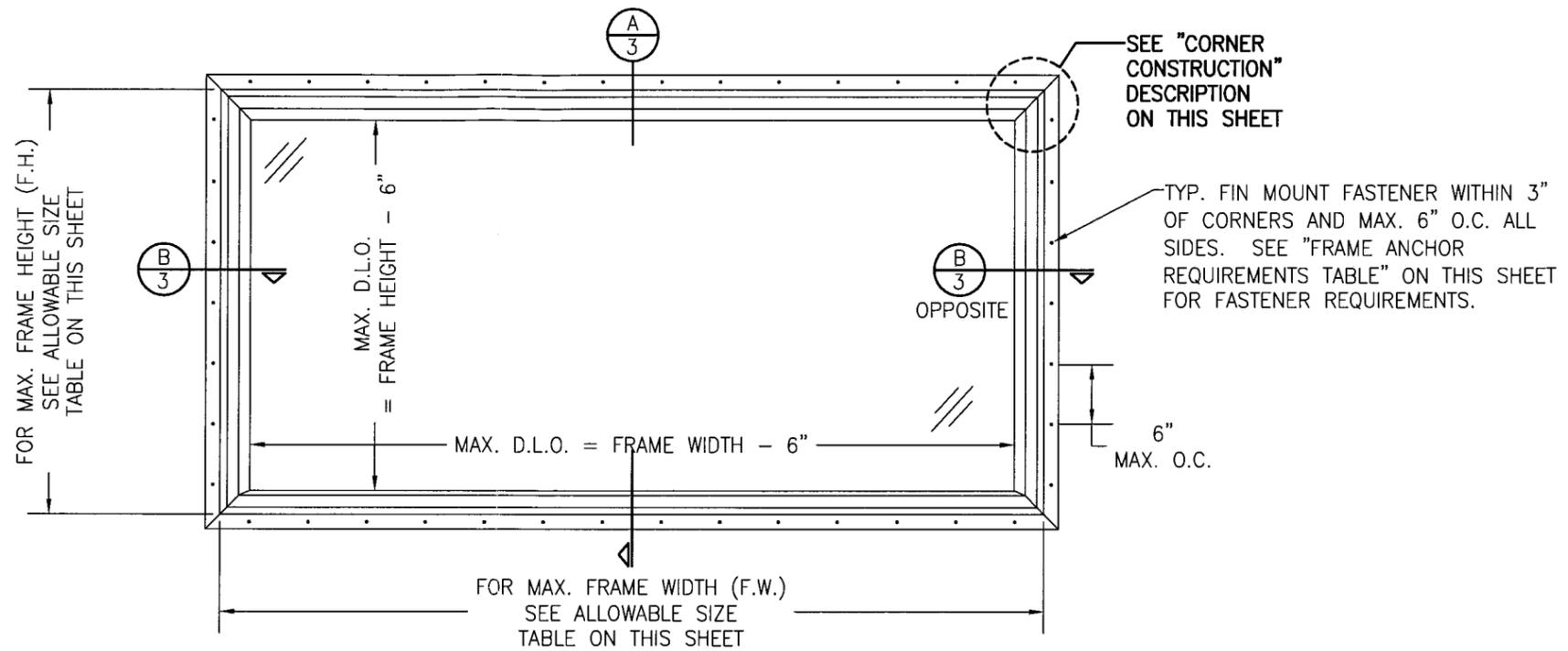
1. None.
-


Manuel Perez, P.E.

Product Control Examiner
NOA No 06-1005.08

Expiration Date: February 22, 2012
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ALLOWABLE SIZE TABLE	
MAX. FRAME LONG DIMENSION (IN.)	MAX. FRAME SHORT DIMENSION (IN.)
82 3/4"	42 7/8"
84 3/4"	41 3/4"
90 3/4"	39"
96 3/4"	36 5/8"
108 3/4"	32 5/8"
120 3/4"	29 3/8"
132 3/4"	26 5/8"
144 3/4"	24 1/2"
SHORT DIMENSION MAY BE THE FRAME HEIGHT OR WIDTH	



EXTERIOR ELEVATION

<p align="center">ALLOWABLE DESIGN PRESSURE (SINGLE & MULLED UNITS)</p> <p align="center">+55/-70 PSF</p>
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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"

CORNER CONSTRUCTION:

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

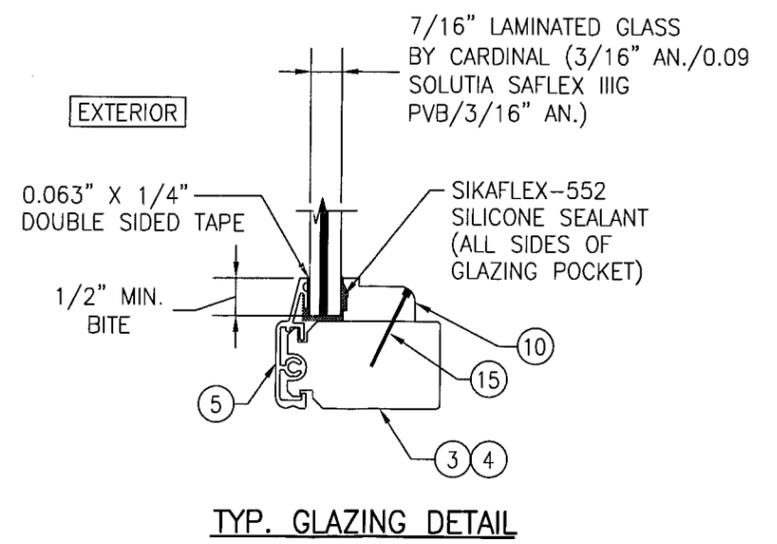
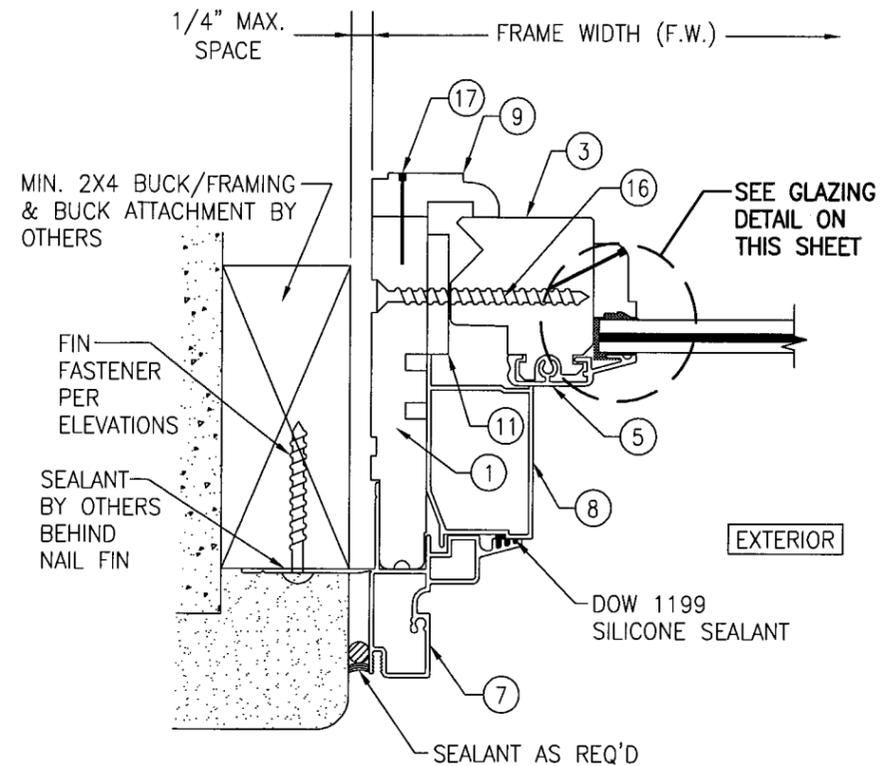
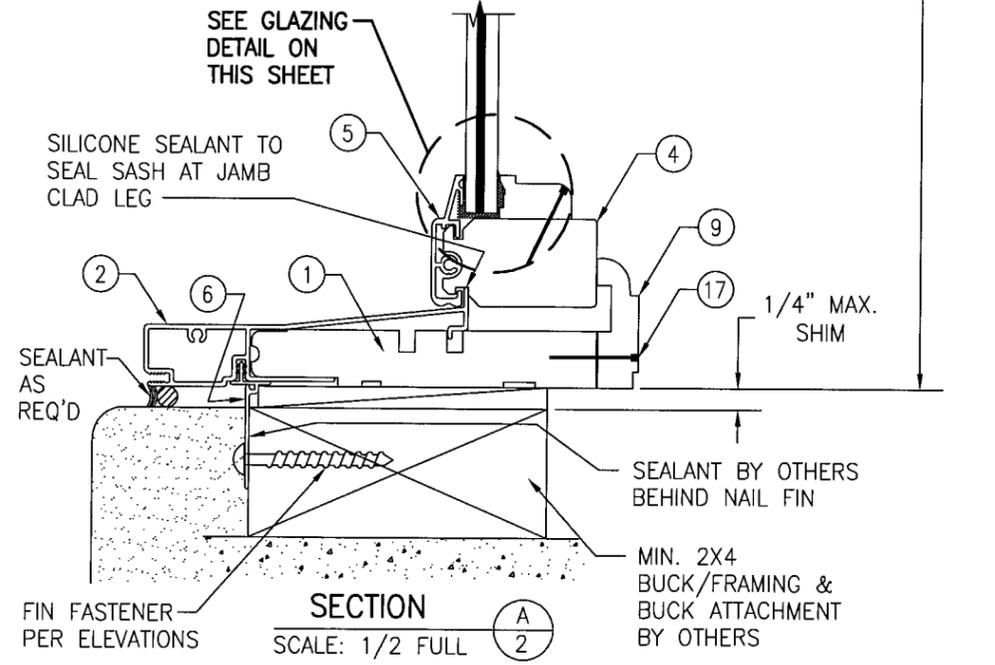
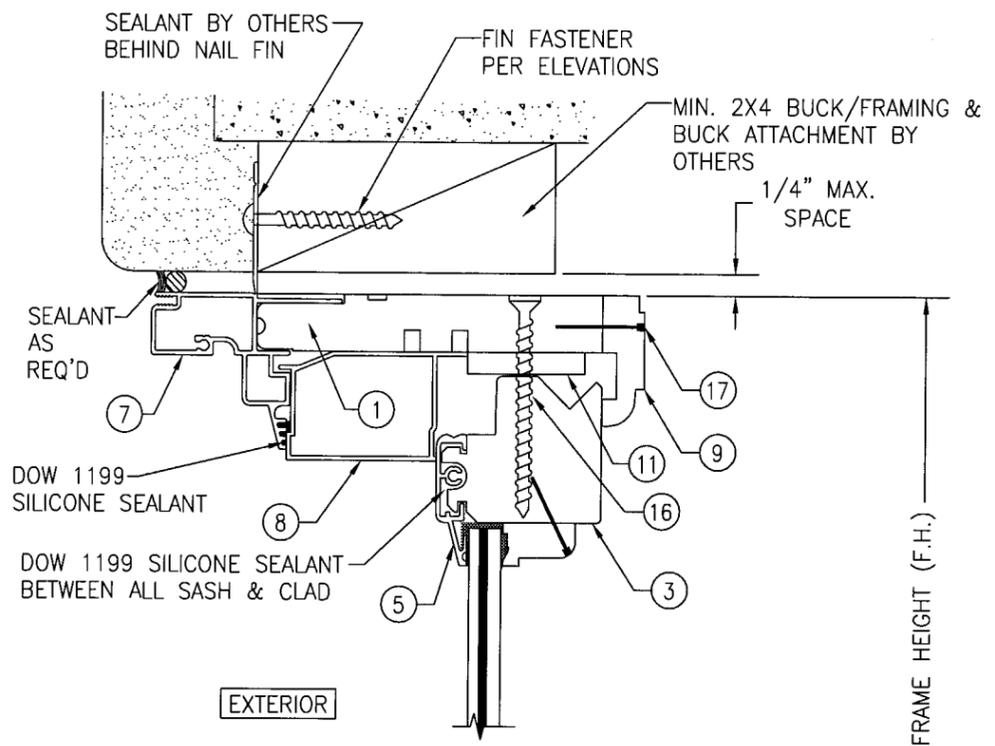
SASH CORNERS: WOOD SASH CORNERS ARE TOUNGE & GROOVE FIT WITH CORNERS BUTTED AND SECURED WITH 1 NO. 8 X 2 1/2" SCREW THROUGH THE STILE INTO THE RAIL. ALUMINUM CLAD CORNERS ARE MITER CUT, JOINED WITH A CORNER KEY, SECURED WITH 2 NO. 6 X 1 1/4" SMS 410 S.S. SCREWS & SEALED WITH SILICONE.

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.

Approved as complying with the Florida Building Code
 Date **FEB. 22, 2007**
 NOA# **06-1005.08**
 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
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE LEGACY ALUMINUM CLAD TILT TRANSOM (MODEL 1103)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
WARRANTY SEP 26 2006	W. W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1497	REV.
SHEET NO. 1	OF 3

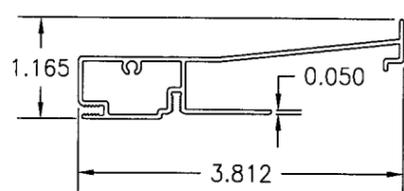


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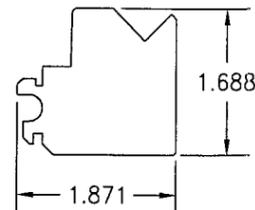
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 08/28/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE LEGACY ALUMINUM CLAD TILT TRANSOM (MODEL 1103)	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	SEP 26 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1497	REV.
SHEET NO. 2	OF 3



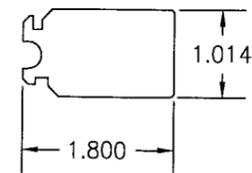
① JAMB/HEAD/SILL



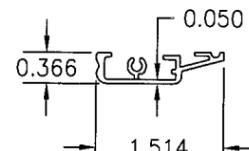
② SILL CLAD



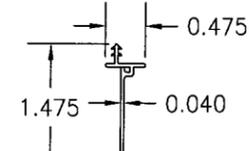
③ TOP RAIL & STILE



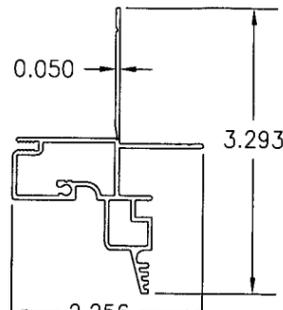
④ BOTTOM RAIL



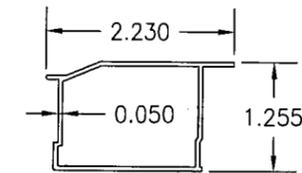
⑤ STILE & RAIL CLAD



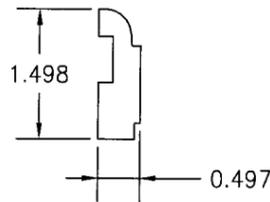
⑥ SILL NAIL FIN CLAD



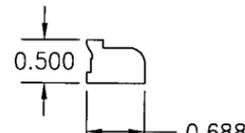
⑦ HEAD/JAMB CLAD



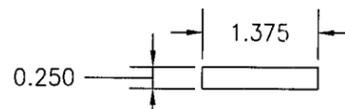
⑧ JAMB FILLER CLAD



⑨ INSIDE STOP



⑩ GLAZING BEAD



⑪ SASH SHIM

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	08-1004-01	JAMB/HEAD/SILL	LVL
2	04-2102-02	SILL CLAD	6063-T5 ALUMINUM
3	08-2106-02	TOP RAIL & STILE	* PONDEROSA PINE
4	08-2108-02	BOTTOM RAIL	* PONDEROSA PINE
5	04-1018-01	STILE & RAIL CLAD	6063-T5 ALUMINUM
6	P0058200	SILL NAIL FIN	VINYL
7	P0119700	HEAD/JAMB CLAD	6063-T5 ALUMINUM
8	08-1025-01	JAMB FILLER CLAD	6063-T5 ALUMINUM
9	08-1892-02	INSIDE STOP	* PONDEROSA PINE
10	60-4884-01	GLAZING BEAD	* PONDEROSA PINE
11	60-0894-01	SASH SHIM	* PONDEROSA PINE
MISC. FASTENERS			
15	-	18 GA. X 7/8" BRAD	WITHIN 3" OF ENDS & 8" O.C.
16	-	NO. 8 X 2 1/2" S.S. SCREW	WITHIN 4" OF ENDS & 10" TO 12" O.C.
17	-	7/16" CROWN X 1 1/8" STAPLE	WITHIN 3" OF ENDS & 10" O.C.

* 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.

REVISION NO.	REVISION DESCRIPTION	DATE	BY	DATE	BY
1					

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	08/28/06

LEGACY ALUMINUM CLAD TILT TRANSOM (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.
 8885 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

DRAWING TITLE

LEGACY ALUMINUM CLAD TILT TRANSOM (MODEL 1103)

CERTIFICATION

SEP 26 2006

WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.	REV.
1497	
SHEET NO.	REV.
3	OF 3

Approved as complying with the
 Florida Building Code
 Date: FEB 12 2007
 NOAH 06-1005-03
 Miami Dade Product Control
 Division
 By: *Manuel Serrano*