



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Vetter Windows and Doors
880 Southview Drive
Mosinee, WI 54455-0700

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. 1526, titled "Legacy Aluminum Clad Double Hung Tilt Window. (Model 1103)", sheets 1 through 5 of 5, dated 04/13/2007, 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: Ladysmith, state: Wisconsin 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 **Jaime D. Gascon, P.E.**



J. Gascon
6/4/07

NOA No 07-0419.04
Expiration Date: February 22, 2012
Approval Date: June 28, 2007
Page 1

Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1526**, Sheets 1 through 5 of 5, titled "Legacy Aluminum Clad Double Hung Tilt Window (Model 1103)", dated 04/13/2007, 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).



Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No 07-0419.04

Expiration Date: February 22, 2012

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Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

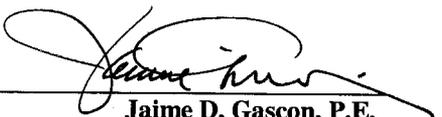
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their “**Saflex III G Clear or colored interlayer**” dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance, dated 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.
3. Statement letter of the private labeling agreement, dated April 02, 2007, by signed by Sue Schreiber.
4. Statement letter of no changes, dated April 13, 2007, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

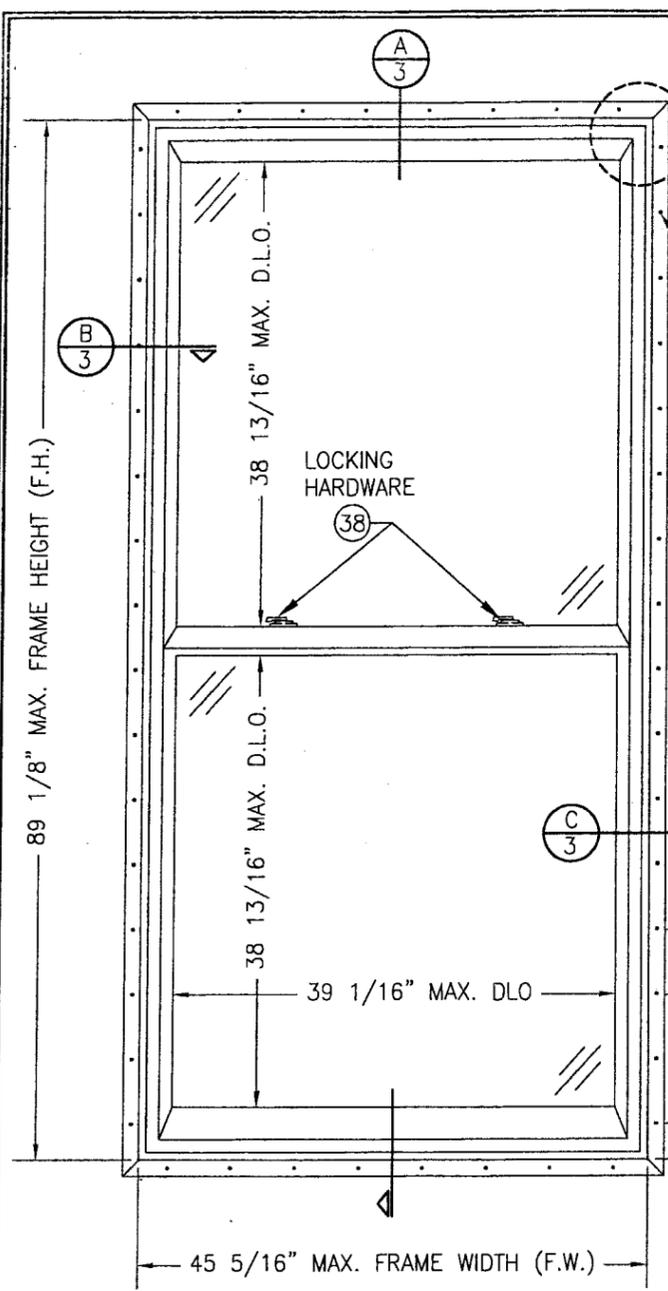
1. None.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 07-0419.04

Expiration Date: February 22, 2012

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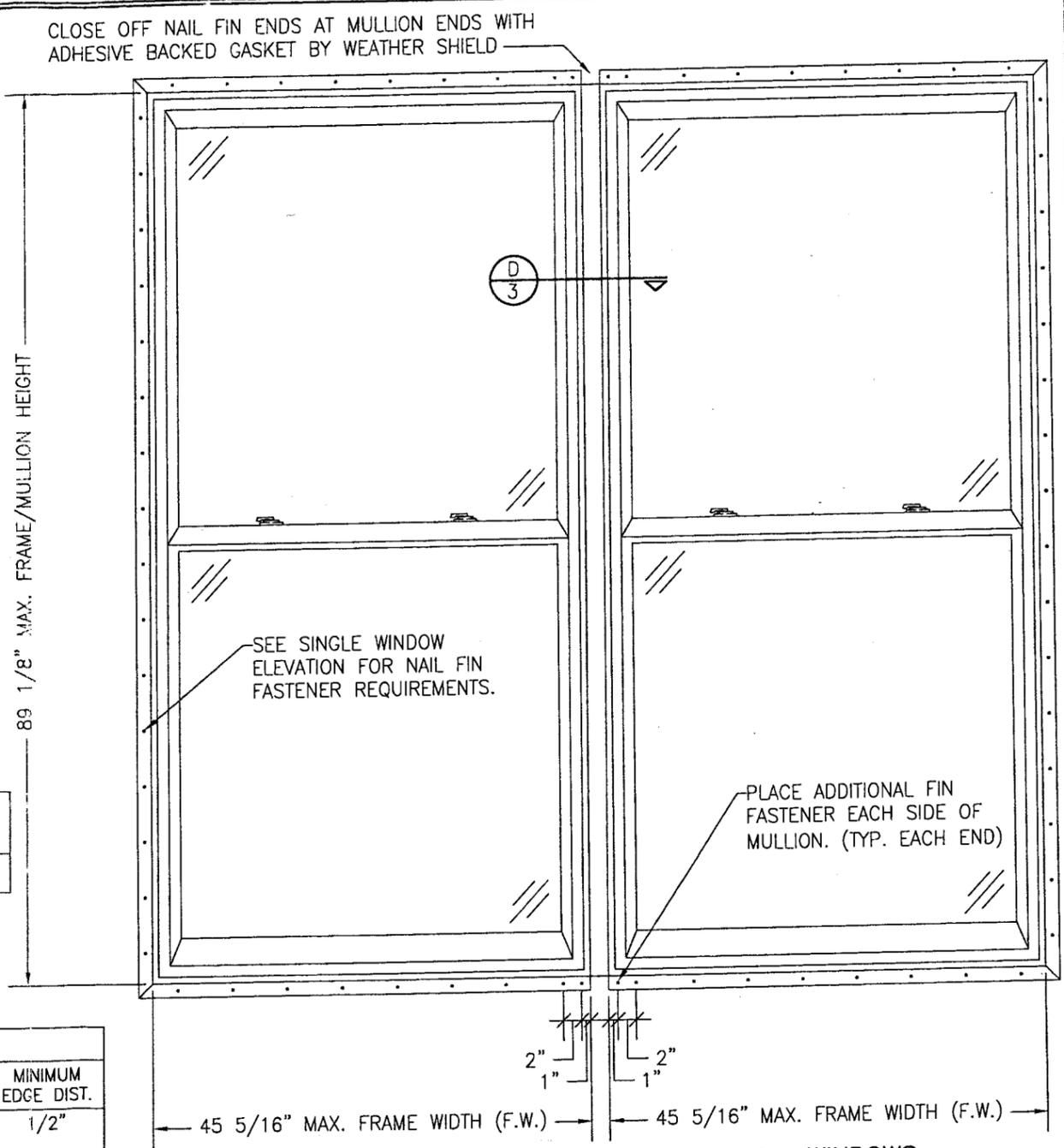
**EXTERIOR ELEVATION:
SINGLE WINDOW**

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: 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.

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 KEYPED, SEALED AND SECURED WITH 1 NO. 6 X 1 1/4" SMS 410 S.S. SCREW PER CORNER.

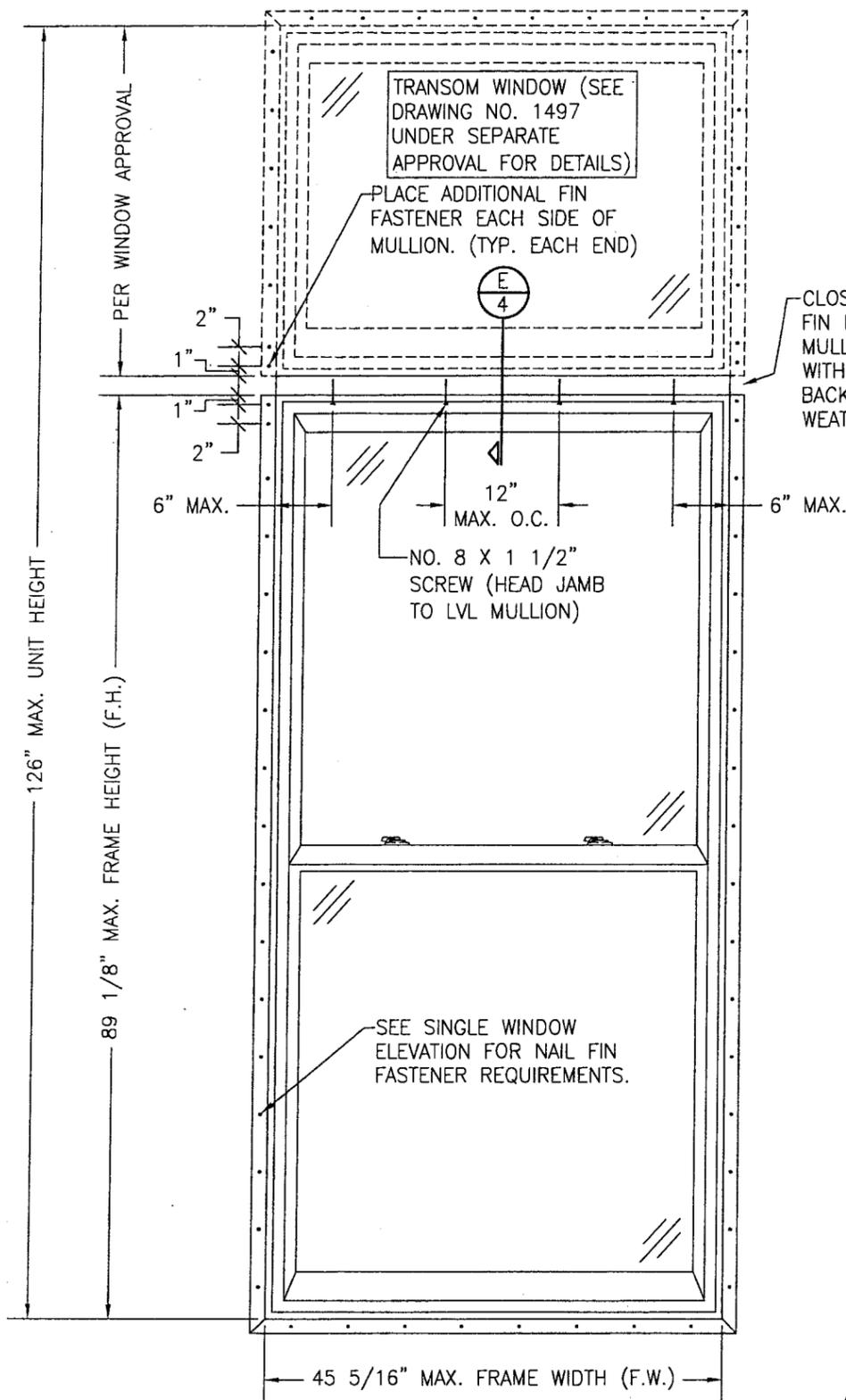
SASH CORNERS: WOOD SASH CORNERS ARE TONGUE & GROOVE FIT WITH CORNERS BUTTED AND SECURED WITH 1 F16 X 2" FINISH NAIL THROUGH THE STILE INTO THE RAIL. ALUMINUM CLAD CORNERS ARE MITER CUT, JOINED WITH CORNER KEY, SECURED WITH 2 NO. 6 X 1 1/4" SMS 410 S.S. SCREWS & SEALED WITH SILICONE.

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.

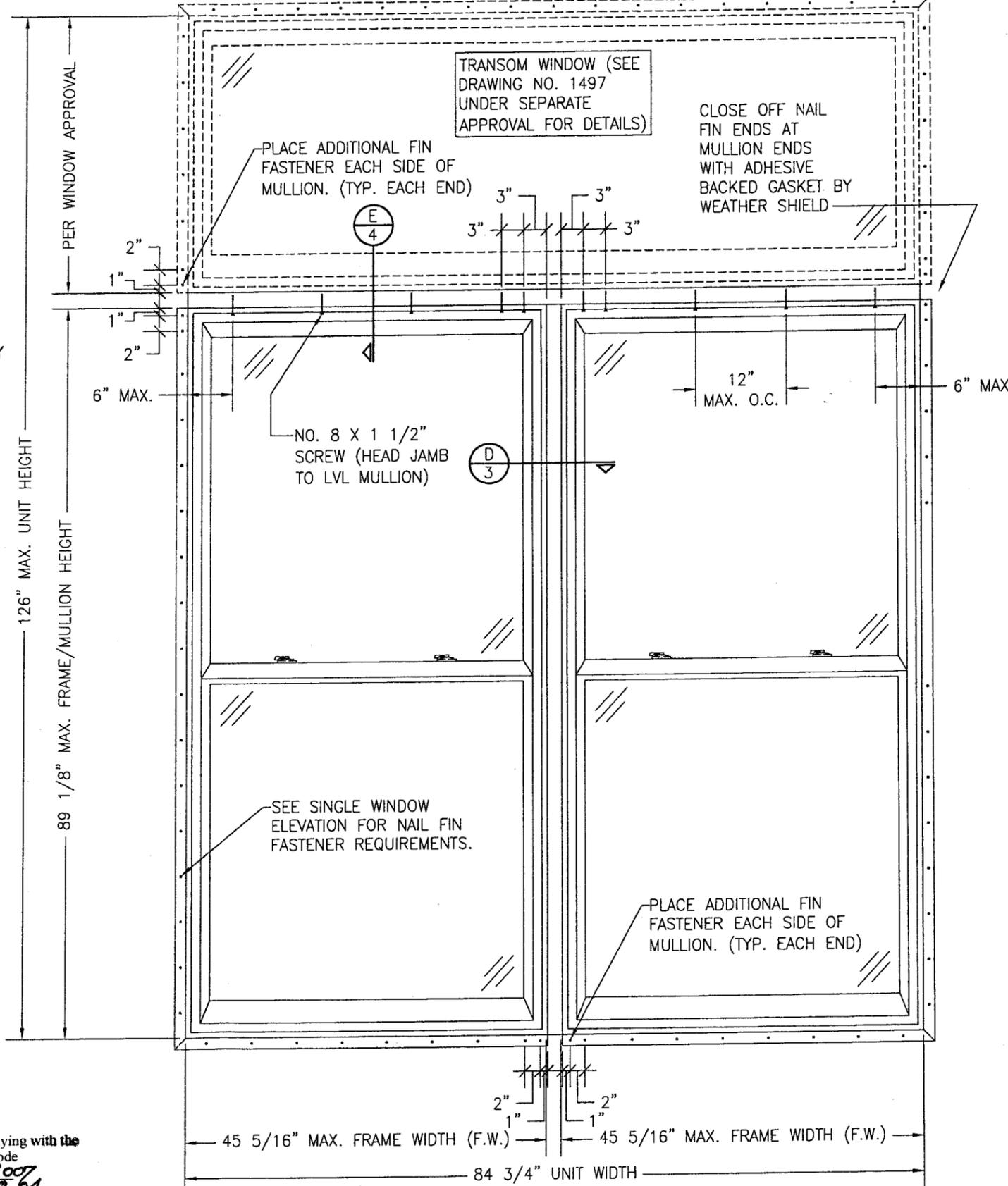
Approved as complying with the Florida Building Code
Date 06/28/2007
NOA# 07-0419.04
Miami Dade Product Control
Division
By *[Signature]*

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| DRAWN BY: W.R.M. | CHECKED BY: H.W.S. |
| PLOT: 1=16 | DATE: 04/13/07 |
| NO. | REVISION DESCRIPTION |
| DATE | BY |
| DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103) | |
| MANUFACTURER VETTER WINDOWS & DOORS, INC. 880 SOUTHWIEW DRIVE MOSINEE, WI 54455 715-693-7000 | |
| 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 | |
| CERTIFICATION APR 13 2007 | |
| DRAWING NO. 1526 | REV. |
| SHEET NO. 1 | OF 5 |



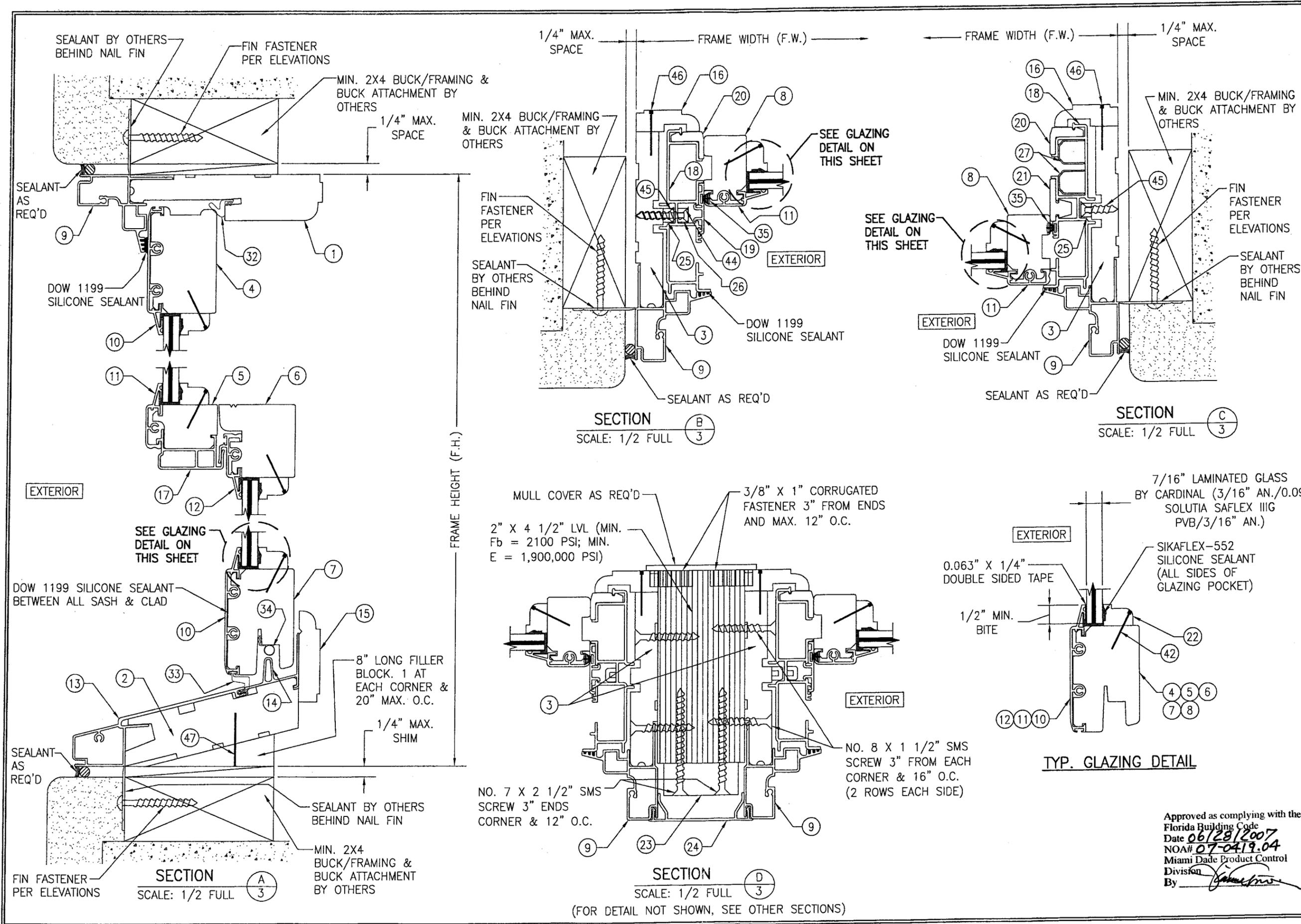
**EXTERIOR ELEVATION;
SINGLE WINDOW WITH TRANSOM**
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION ON SHEET 1)

Approved as complying with the Florida Building Code
Date 06/28/2007
NOA# 07-0419.64
Miami Dade Product Control
Division
By *[Signature]*



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.

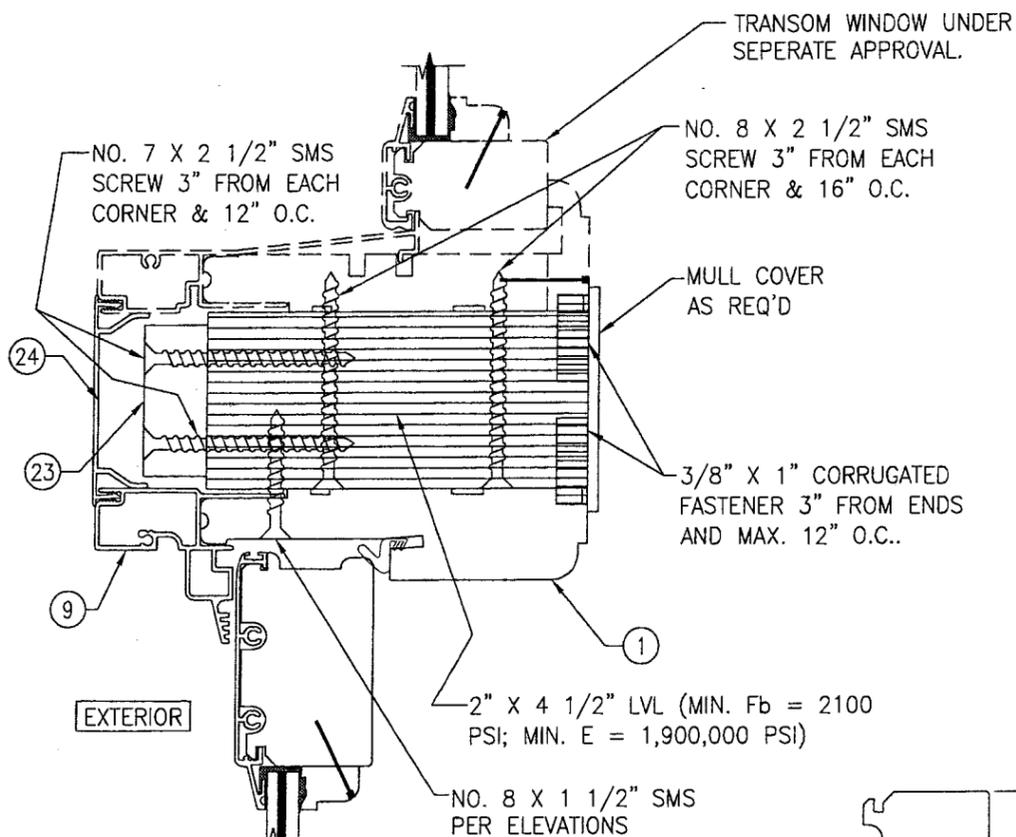
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| DRAWN BY: W.R.M. | | CHECKED BY: W.W.S. | |
| PLOT: 1=16 | | DATE: 04/13/07 | |
| NO. | REVISION DESCRIPTION | DATE | BY |
| | | | |
| DRAWING TITLE: LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103) | | | |
| CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903 | | | |
| MANUFACTURER: VETTER WINDOWS & DOORS, INC. 880 SOUTHWIND DRIVE MOSINEE, WI 54455 715-693-7000 | | | |
| CERTIFICATION | APR 13 2007 | | |
| WARREN W. SCHAEFER, P.E. | P.E. NO. 44135 | | |
| DRAWING NO. | 1526 | REV. | |
| SHEET NO. | 2 | OF | 5 |



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|--------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------|-----|
| DRAWN BY: W.R.M. | | CHECKED BY: W.W.S. | |
| PLOT: 1=24 | | DATE: 04/13/07 | |
| DATE | BY | REVISION DESCRIPTION | NO. |
| | | | |
| DRAWING TITLE: LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103) | | | |
| CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. | | MANUFACTURER: VETTER WINDOWS & DOORS, INC. | |
| 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903 | | 880 SOUTHWEST DRIVE MOSINEE, WI 54455 715-693-7000 | |
| CERTIFICATION | APR 13 2007 | WARREN J. SCHAEFER, P.E. P.E. NO. 44135 | |
| DRAWING NO. | REV. | SHEET NO. | |
| 1526 | 3 | OF 5 | |

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 By *[Signature]*

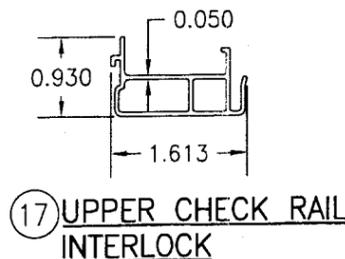
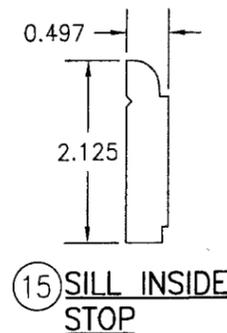
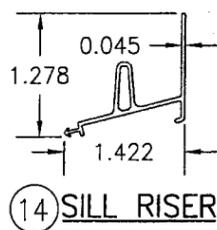
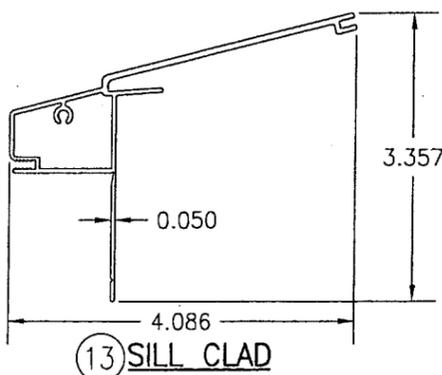
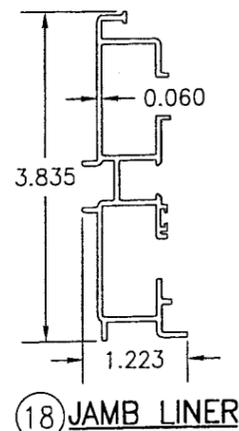
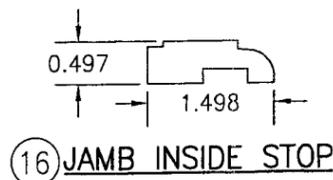
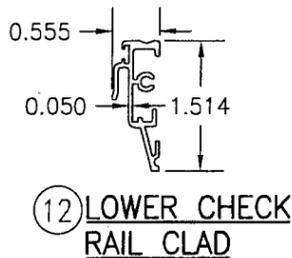
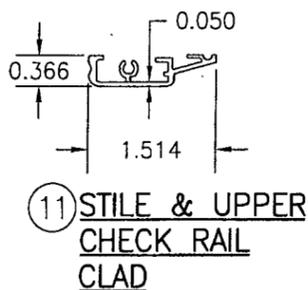
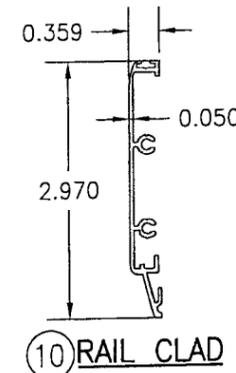
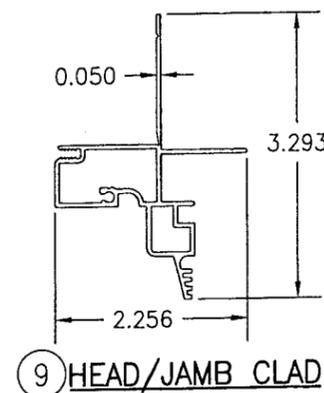
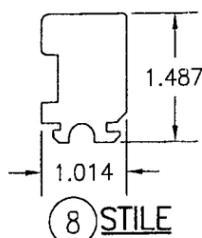
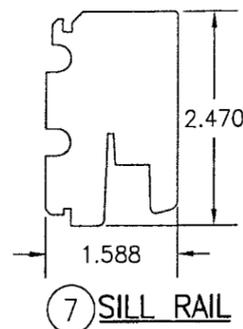
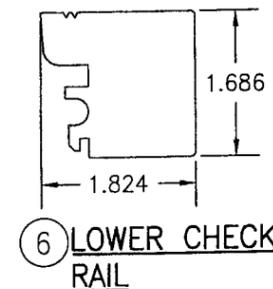
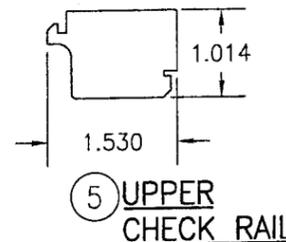
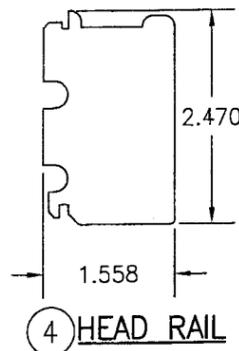
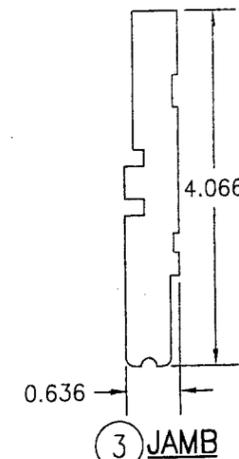
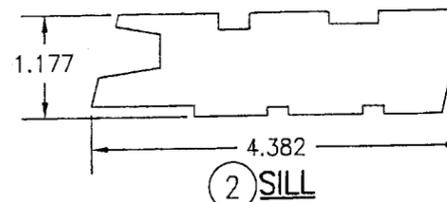
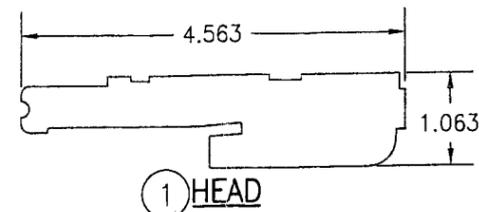
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SECTION

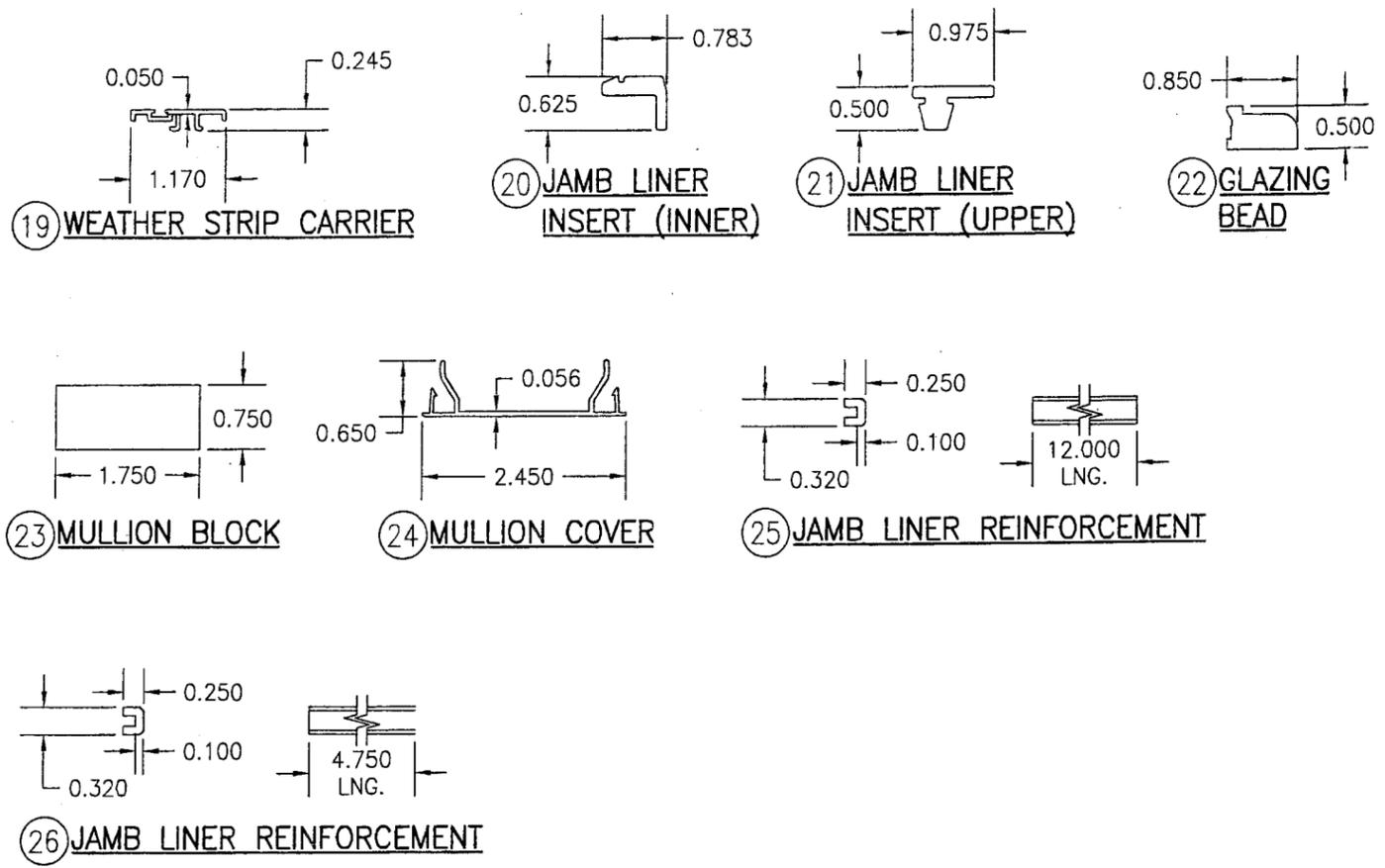
SCALE: 1/2 FULL

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



Approved as complying with the Florida Building Code
 Date 06/28/2007
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 Miami Dade Product Control
 Division
 By *[Signature]*

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| DRAWN BY: W.R.M. | CHECKED BY: W.W.S. |
| PLOT: 1=24 | DATE: 04/13/07 |
| DATE | |
| BY | |
| REVISION DESCRIPTION | |
| NO. | |
| DRAWING TITLE 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 VETTER WINDOWS & DOORS, INC. 880 SOUTHWIND DRIVE MOSINEE, WI 54455 715-693-7000 | |
| CERTIFICATION APR 13 2007 | WARREN W. SCHAEFER, P.E. P.E. NO. 44135 |
| DRAWING NO. 1526 | 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: 04/13/07 |
| DATE | BY | REVISION DESCRIPTION | NO. |
| LEGACY ALUMINUM CLAD DOUBLE HUNG TILT WINDOW (MODEL 1103) | | | |
| MANUFACTURER | | VETTER WINDOWS & DOORS, INC. 880 SOUTHWEST DRIVE MOSINEE, WI 54455 715-693-7000 | |
| 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 APR 13 2007 | | | |
| Approved as complying with the Florida Building Code Date 06/28/2007 NOA# 07-0419.04 Miami Dade Product Control Division By <i>[Signature]</i> | | | |
| DRAWING NO. 1526 | | REV. | |
| SHEET NO. 5 | | OF 5 | |