



MIAMI-DADE COUNTY
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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Vetter Windows and Doors

100 South View Dr.
Mosinee, WI 54455

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: "Vetter Impact" Tilt Aluminum Clad Wood Double Hung Window - LMI

APPROVAL DOCUMENT: Drawing No. **1392**, titled "Vetter Impact Aluminum Clad Wood Tilt Double Hung Operator", sheets 1 through 3 of 3, dated 01/25/05, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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 **revises** NOA # **03-0303.13** and, 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 05-0606.09
Expiration Date: May 22, 2008
Approval Date: August 04, 2005
Page 1

Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1392**, titled "Vetter Impact Aluminum Clad Wood Tilt Double Hung Operator", sheets 1 through 3 of 3, dated 01/25/05, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren 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 an aluminum clad wood double hung window, prepared by Twin City Testing Corporation, Test Report No. **TCTCWI02002** dated 2/11/02, signed and sealed by Derrick Swanson, P.E.
"Submitted under NOA 03-0303.13"

C. CALCULATIONS

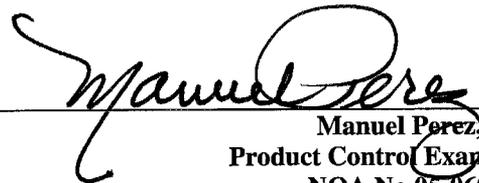
1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 12/18/02, signed and sealed by Warren Schaefer, P.E.
"Submitted under NOA 03-0303.13"
2. Revised Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 03/26/03, signed and sealed by Warren Schaefer, P.E.
Complies with ASTM E1300-98
No 1/3 stress increase used in anchors into masonry or steel substrate.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.



Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0606.09
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Vetter Windows and Doors

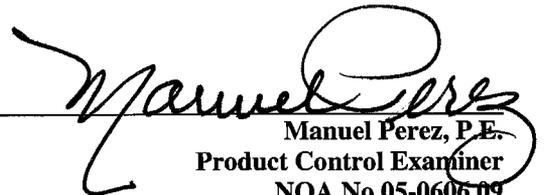
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

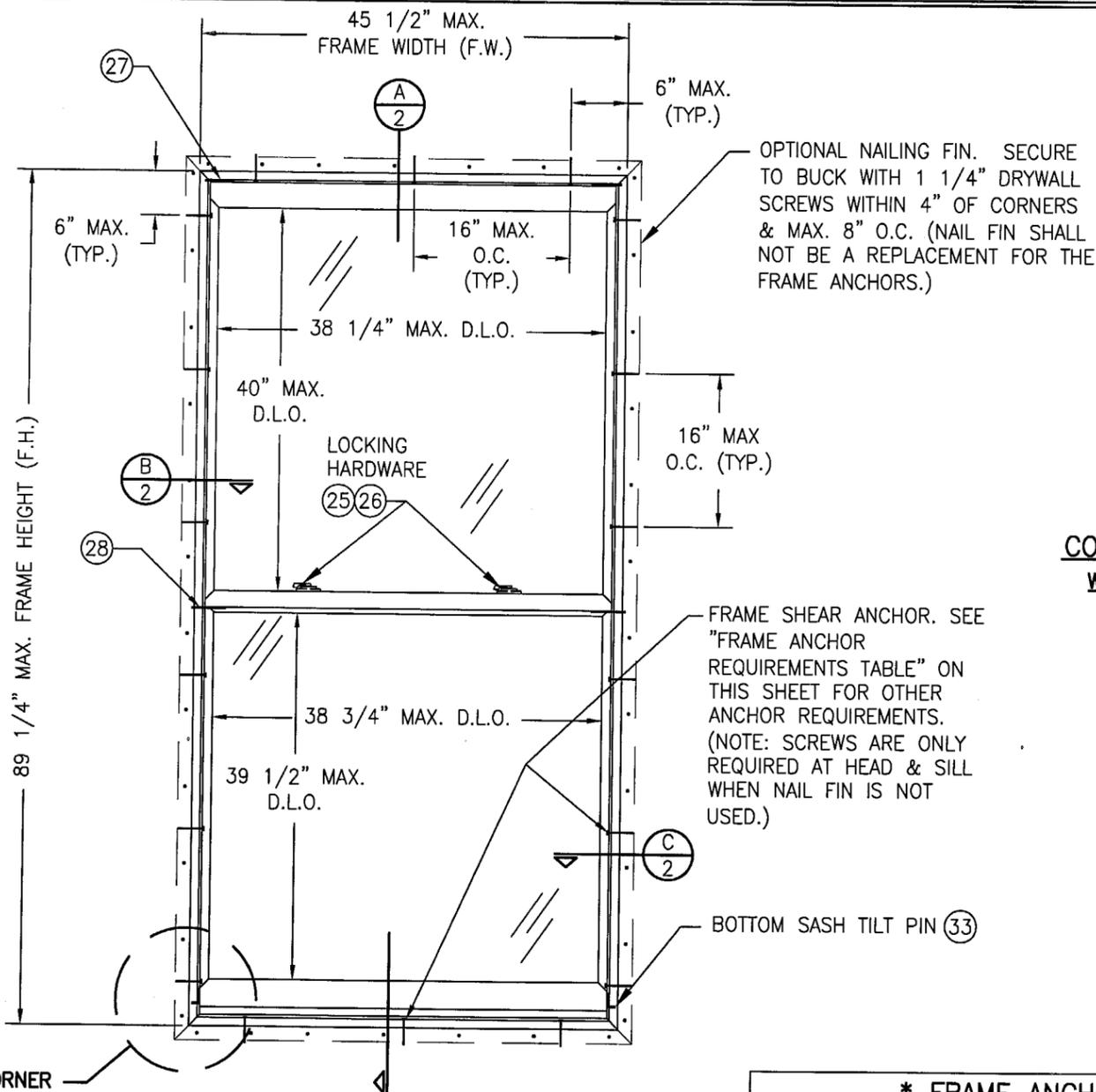
1. Statement letter of conformance, dated 12/18/02, signed and sealed by Warren Schaefer, P.E.
“Submitted under NOA 03-0303.13”
2. Statement letter of no financial interest, dated 12/18/02, signed and sealed by Warren Schaefer, P.E.
“Submitted under NOA 03-0303.13”

G. OTHER

1. Notice of Acceptance No. **03-0303.13**, issued to Weather Shield Manufacturing, Inc. for their “Series Legacy Aluminum Clad Wood Double Hung Tilt Window”, approved on 05/22/03 and expiring on 05/22/08.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Manuel Perez, P.E.
Product Control Examiner
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ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
55 PSF	67 PSF

LOCK REQUIREMENTS TABLE
LOCK POINTS REQUIRED
2

CORNER CONSTRUCTION:

WOOD JAMBS: COPED & SECURED WITH THREE 15-2" X .099" SCREW SHANK, BLUNT CHISEL POINT NAILS EQUALLY SPACED THROUGH JAMBS INTO THE HEAD & SILL

JAMB CLAD: MITER CUT, SECURED WITH INJECTION MOLDED 30% GE NYLON CORNER KEYS, SNAP FIT & SECURED TO JAMBS WITH 1/2" X 1/2" X 18 GA. STAPLES, 4" FROM EACH CORNER & @ 16" MAX. O.C.

SASH: WOOD MEMBERS COPEd, NAILED, AND SECURED WITH TWO #8 X 3" SCREWS THROUGH EACH STILE INTO EACH TOP & BOTTOM RAIL & 2 THROUGH EACH MEETING RAIL INTO EACH STILE.

SASH CLAD: MITER CUT & SECURED WITH CORNER KEYS

FRAME SHEAR ANCHOR. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR OTHER ANCHOR REQUIREMENTS. (NOTE: SCREWS ARE ONLY REQUIRED AT HEAD & SILL WHEN NAIL FIN IS NOT USED.)

BOTTOM SASH TILT PIN (33)

**EXTERIOR ELEVATION
DOUBLE HUNG WINDOW**

SCALE: 1/2"=1'-0"

SEE "CORNER CONSTRUCTION REQUIREMENTS" ON THIS SHEET.

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.
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 & MAY 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 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
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.

* FRAME ANCHOR REQUIREMENTS TABLE			
FIN SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	1 1/4" DRYWALL SCREWS	1 1/8"	1/2"
SHEAR SCREWS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/4"	1"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREWS	1 1/4"	2"

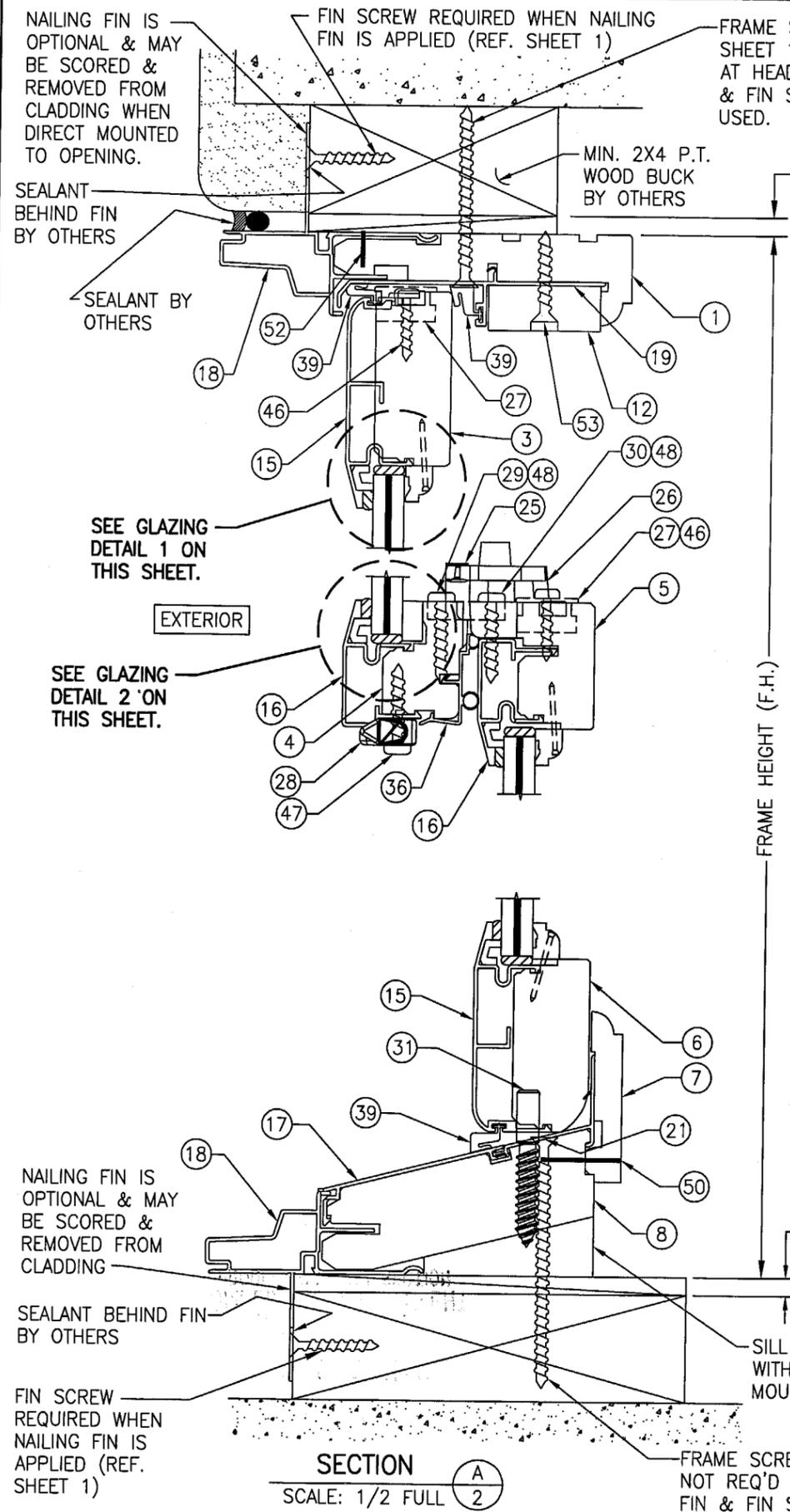
(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

* SHEAR SCREW ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED THROUGH JAMB TO A 2X4 BUCK, NO. 8 SCREWS SHALL BE USED WITH OR WITHOUT NAILING FIN. WHEN ANCHORED WITH NAIL FIN INTO 2X4 BUCK, 1 1/4" DRYWALL SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISSIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

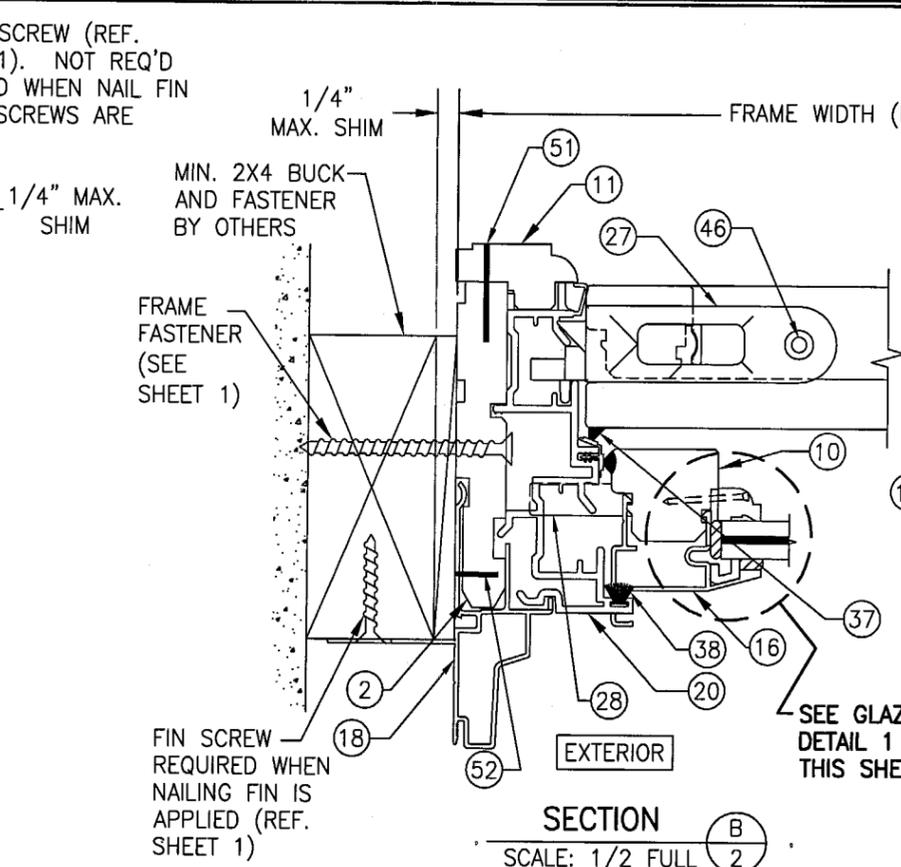
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-0606.09 Expiration Date MAY 22, 2008

By *Warren W. Schaefer*
Miami/Dade Product Control Division

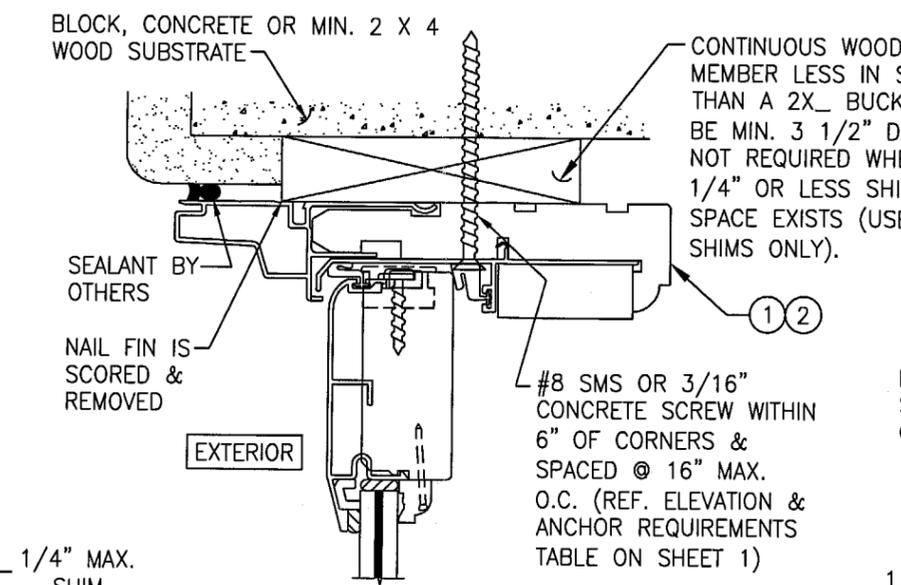
DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1-18	DATE: 1/25/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE VETTER IMPACT ALUMINUM CLAD WOOD TILT DOUBLE HUNG OPERATOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER VETTER WINDOWS & DOORS 1000 SOUTHWIND DRIVE MOSINEE, WI 54455 715-693-7000
CERTIFICATION JAN 25 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1392 REV. SHEET NO. 1 OF 3



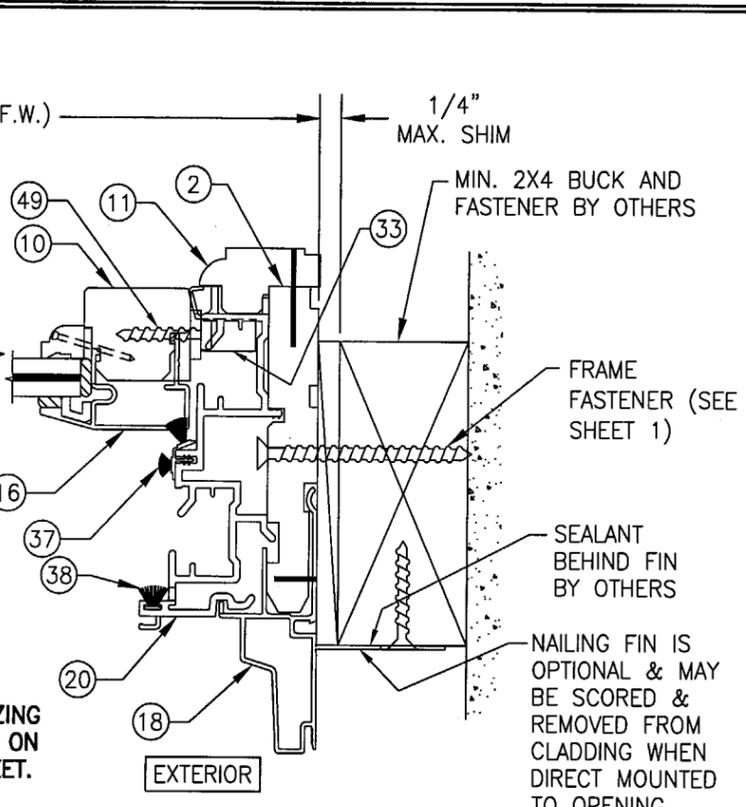
SECTION A
SCALE: 1/2 FULL



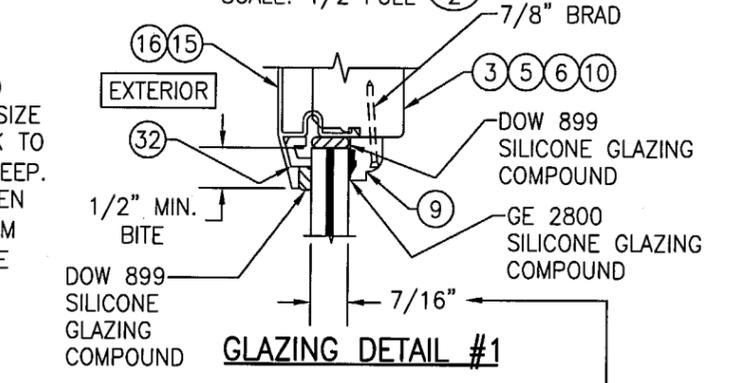
SECTION B
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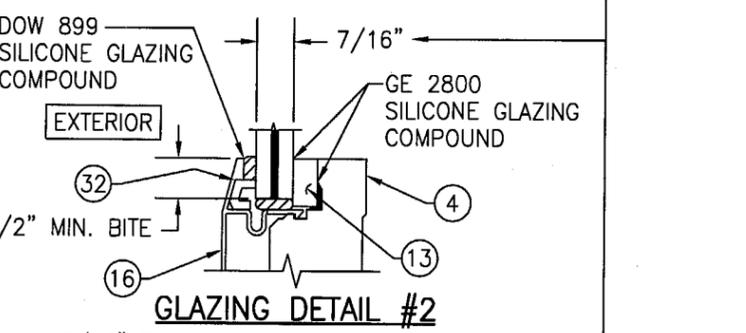
DIRECT MOUNT DETAIL
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
SEE SECTIONS FOR DETAIL NOT SHOWN



SECTION C
SCALE: 1/2 FULL



GLAZING DETAIL #1



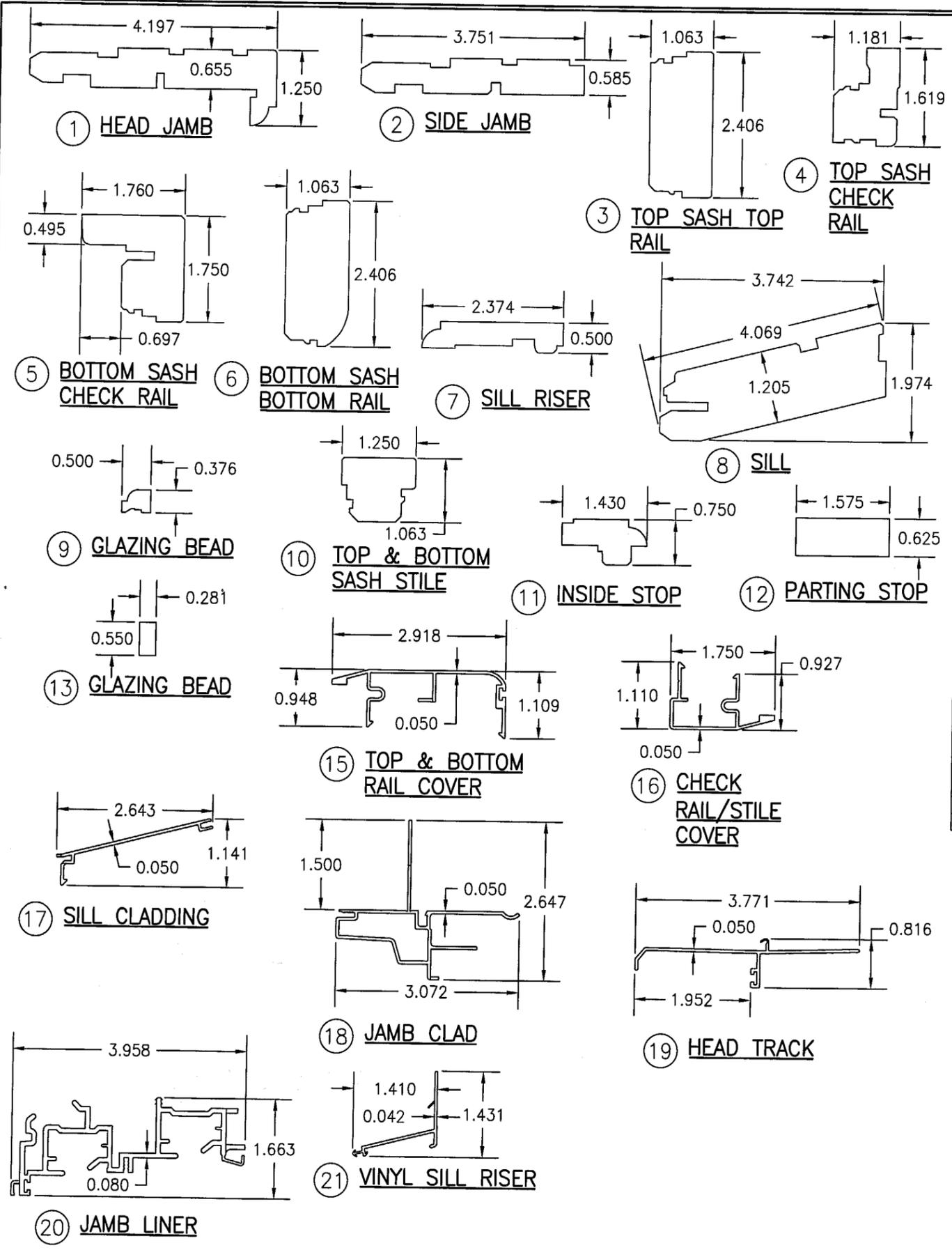
GLAZING DETAIL #2

7/16" THICK SOLUTIA SAFLEX LAMINATED GLASS (3/16" ANNEALED/0.090" SOLUTIA KEEP SAFE PVB/3/16" ANNEALED) (TYP. BOTH GLAZING DETAILS)

PRODUCT REVISED as complying with the Florida Building Code
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Expiration Date 1/22/2008

By *Manuel S...*
Miami Dade Product Control Division

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PLOT: 1=2		DATE: 1/25/05	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: VETTER IMPACT ALUMINUM CLAD WOOD TILT DOUBLE HUNG OPERATOR			
MANUFACTURER: VETTER WINDOWS & DOORS 1000 SOUTHVIEW 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: <i>WARREN W. SCHAEFER, P.E.</i> P.E. NO. 44135			
DRAWING NO. 1392		REV.	
SHEET NO. 2		OF 3	



BILL OF MATERIALS			
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	09-0035-M0401	HEAD JAMB	* SELECT WESTERN PINE
2	08-W8266	SIDE JAMB	* SELECT WESTERN PINE
3	08-W8086	UPPER SASH TOP RAIL	* SELECT WESTERN PINE
4	09-1360-02	UPPER SASH CHECK RAIL	* SELECT WESTERN PINE
5	08-W8087	BOTTOM SASH CHECK RAIL	* SELECT WESTERN PINE
6	08-W8085	BOTTOM RAIL	* SELECT WESTERN PINE
7	08-W8090	SILL RISER	* SELECT WESTERN PINE
8	08-W8010	SILL	* SELECT WESTERN PINE
9	08-W2023	GLAZING BEAD	* SELECT WESTERN PINE
10	09-0752-M05/09-0753-M05	TOP & BOTTOM SASH STILE	* SELECT WESTERN PINE
11	08-W8265	INSIDE STOP	* SELECT WESTERN PINE
12	09-1450-02	PARTING STOP	PONDEROSA PINE
13	09-1483-02	GLAZING BEAD	* SELECT WESTERN PINE
15	04-0003-M05	TOP & BOTTOM RAIL COVER	6063-T5 ALUMINUM
16	04-0002-M05	CHECK RAIL/STILE COVER	6063-T5 ALUMINUM
17	04-A8625	SILL COVER	6063-T5 ALUMINUM
18	04-0001-M0501	JAMB CLAD	6063-T5 ALUMINUM
19	02-0015-M0511	HEAD TRACK	VINYL
20	02-V8259	JAMB LINER	VINYL
21	02-V8260	SILL RISER	VINYL
HARDWARE			
25	-	LOCK KEEPER ASSEMBLY	TRUTH #972479
26	-	LOCK ASSEMBLY	TRUTH #17.68.38.102
27	12-0021-M0576	TILT LATCH	NYLON 6, 30% GLASS FIBER
28	12-1361-02	TOP SASH TILT PIN	356 T6 ALUMINUM
29	12-1365-02	FEMALE DOVETAIL INTERLOCK	6063-T6 ALUMINUM
30	12-1366-02	MALE DOVETAIL INTERLOCK	6063-T6 ALUMINUM
31	12-1354-02	SNUBBER PIN 300 SERIES OR 18-8 STAINLESS STEEL	1.979" FROM EACH END OF BOT. RAIL
32	02-1437-02	PVC 1/8" SILICONE SPACER	3 MIN. PER SIDE OF WINDOW
33	12-0030-M0576	BOTTOM SASH TILT PIN	DIE CAST ZINC
SEALS & SEALANTS			
36	02-0010-M0544	TOP CHECK RAIL WEATHERSTRIP	VINYL
37	12-0001-M0563	JAMB LINER WEATHERSTRIP	VINYL
38	12-0060-M0563	PILE WEATHERSTRIP	VINYL
39	12-0055-M0465	HEAD & SILL WEATHERSTRIP	VINYL
FASTENERS			
46	-	#6 X 1" PH WOOD SCREWS	1 PER TOP TILT LATCH/2 PER BOT. LATCH
47	100912	#8 X 1 1/4" PHP TYPE A ZINC SCREW	3 PER TOP SASH TILT PIN
48	960076	#8 X 1 1/4" PHF 18-8 SS SCREW	2 PER DOVE TAIL
49	971270	#6 X 1" PHF TP17 WITH #5 HEAD	2 PER BOTTOM SASH TILT PIN
50	-	GSN18 1 1/8" STAPLE	4 MIN. PER WOOD SILL RISER
51	-	GSN18 1 1/8" STAPLE	3" FROM ENDS & 16 O.C. MAX.
52	-	1/2" X 1/2" X 18 GA. STAPLE	4" FROM EACH CORNER & 16" O.C. MAX.
53	-	#8 X 1 1/4" FH WOOD SCREW	6" FROM EACH END & AT MIDSPAN

* WOOD USED WITH TEST UNITS WAS SELECT WESTERN PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.

PRODUCT REVISED
 as complying with the Florida
 Building Code
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 Expiration Date MAY 22, 2008
 By *Warren W. Schaefer*
 Miami State Product Control
 Division

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