



**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
1000 Southview Drive
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" Aluminum Clad Wood Casement Window – LMI

APPROVAL DOCUMENT: Drawing No. 1388, titled "Vetter Impact Aluminum Clad Casement Operator", sheets 1 through 4 of 4, dated 01/25/05, prepared by W.W. Schaeffer Engineering & Consulting, P.A, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal 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 **renews NOA # 05-0606.05** 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 **Jaime D. Gascon, P.E.**



*J. Gascon
5/3/07*

**NOA No 07-0328.09
Expiration Date: April 15, 2008
Approval Date: May 24, 2007
Page 1**

Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1388**, titled "Vetter Impact Aluminum Clad Casement Operator", sheets 1 through 4 of 4, dated 01/25/05, prepared by W.W. Schaeffer Engineering & Consulting, P.A, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94.
3) Water Resistance Test, per 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 the manufacturer's parts drawings, installation diagram and marked-up drawings of a wood operable casement window prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-0305-00**, dated 03/02/00 with addendum letter dated 12/26/01, all signed and sealed by Vinu J. Abraham, P.E.
"Submitted under NOA # 05-0606.05"
2. Test reports on: 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with the manufacturer's parts drawings, installation diagram and marked-up drawings of a wood operable casement window prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-0209-98**, dated 03/10/98, signed and sealed by Timothy S. Marshall, P.E. (*Test submitted as reference for side-by-side installation*)
"Submitted under NOA # 05-0606.05"
3. Test reports on: 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with the manufacturer's parts drawings, installation diagram and marked-up drawings of a wood operable casement window prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-0304-98**, dated 03/05/98, signed and sealed by Timothy S. Marshall, P.E.
"Submitted under NOA # 05-0606.05"
4. Test reports on: 1) Uniform Load Static Air Pressure Test, per PA 202-94.
along with the manufacturer's parts and section drawings marked-up drawings of a wood operable casement window prepared by Architectural Testing, Inc., Test Report No. **ATI-20304-N**, prepared dated 06/19/97, signed and sealed by Allen N. Reeves, P.E.
"Submitted under NOA # 05-0606.05"



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 07-0328.09
Expiration Date: April 15, 2008
Approval Date: May 24, 2007

Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor calculations and structural analysis, dated 06/06/01, prepared by W.W. Schaeffer Engineering & Consulting, P.A., signed and sealed by Warren Schaeffer, P.E.
“Submitted under NOA # 05-0606.05”
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

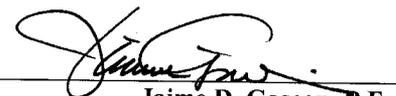
1. Notice of Acceptance No. **06-1116.07**, issued to Globe Amerada Architectural Glass, L.L.C. for their *“Chem-Temp® Chemically Strengthened Glass”*, approved on 01/02/2007 and expiring on 07/18/2012.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their *“Saflex /Keepsafe Maximum”* dated 05/05/2006, expiring on 05/21/2011.

F. STATEMENTS

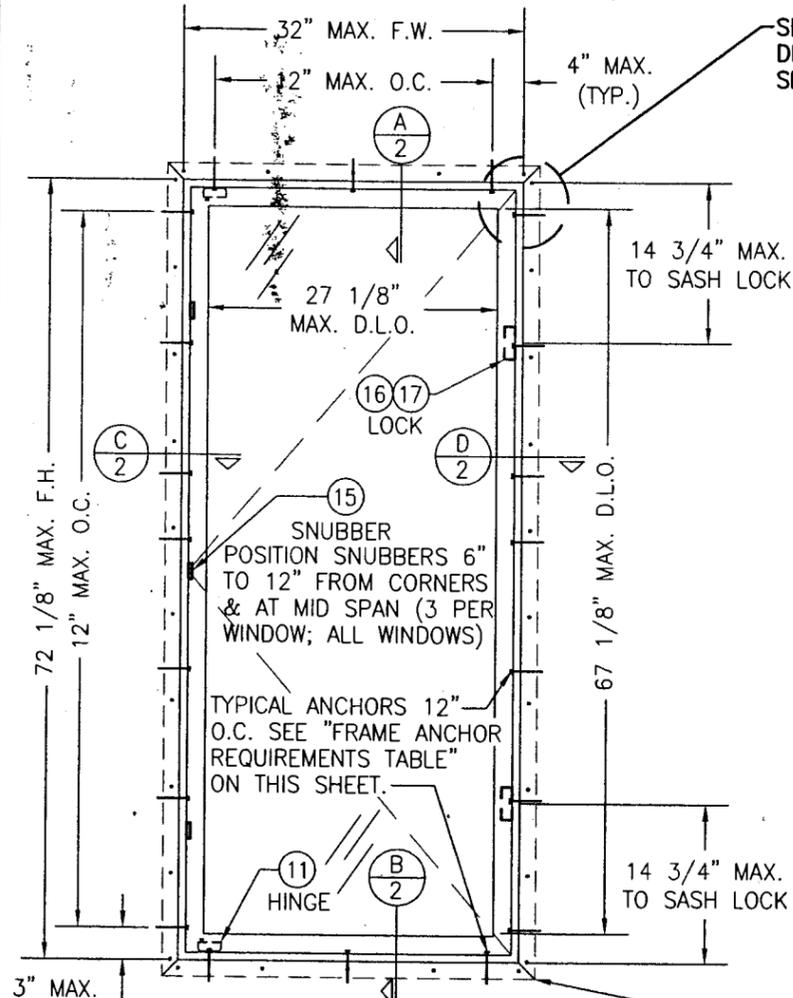
1. Statement letter of conformance, dated June 8, 2001, signed and sealed by Warren Schaeffer, P.E.
“Submitted under NOA # 05-0606.05”
2. Statement letter of no financial interest, dated June 8, 2001, signed and sealed by Warren Schaeffer, P.E.
“Submitted under NOA # 05-0606.05”
3. Laboratory compliance letter for Test Report No. **HTL- 0037-0305-00**, issued by Hurricane Test Laboratory, Inc., dated May 19, 2001, signed and sealed by Vinu J. Abraham, P.E.
“Submitted under NOA # 05-0606.05”

G. OTHER

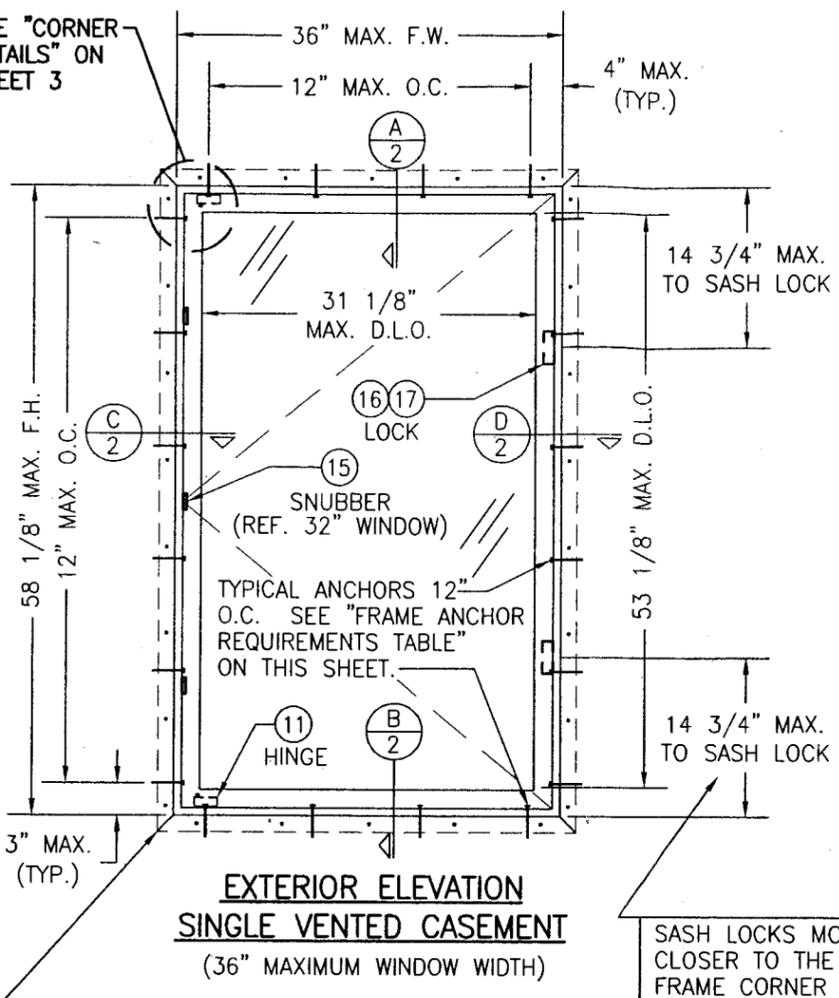
1. None



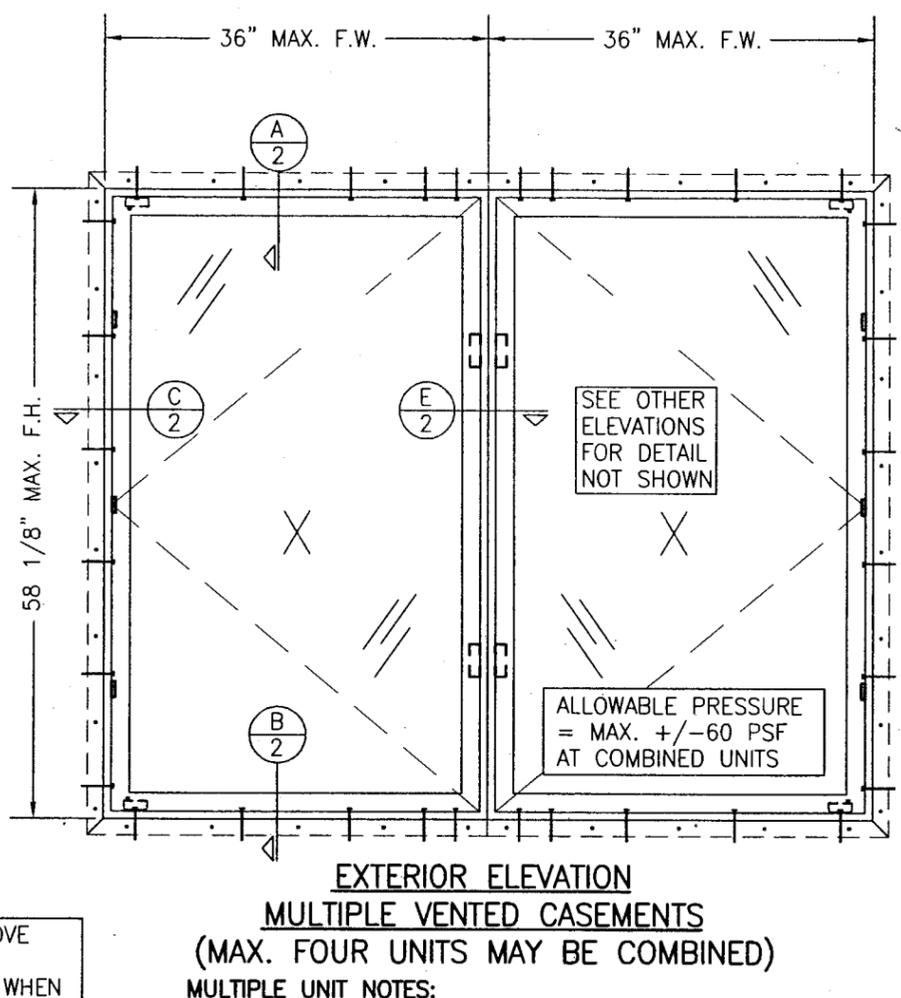
Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 07-0328.09
Expiration Date: April 15, 2008
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**EXTERIOR ELEVATION
SINGLE VENTED CASEMENT**
(32" MAXIMUM WINDOW WIDTH)



**EXTERIOR ELEVATION
SINGLE VENTED CASEMENT**
(36" MAXIMUM WINDOW WIDTH)



**EXTERIOR ELEVATION
MULTIPLE VENTED CASEMENTS**
(MAX. FOUR UNITS MAY BE COMBINED)

- MULTIPLE UNIT NOTES:**
1. COMBINED OPERABLE CASEMENTS ARE RESTRICTED TO THE MAX. FRAME HEIGHT & WIDTH SHOWN AND MAY NOT EXCEED THE MAX. DIMENSIONS SHOWN.
 2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR +/-60 PSF UNLESS A CLIPPED MULLION IS USED PER WEATHERSHIELD'S MULLION APPROVAL.
 3. FOR OPERABLE CASEMENT MULLION TO A FIXED CASEMENT/PICTURE WINDOW, SEE "FIXED CASEMENT WINDOW" DRAWING NO. 1053 UNDER SEPERATE APPROVAL.
 4. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No **07-0328.09**
Expiration Date **04/15/2008**

By *[Signature]*
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No **05-0606.05**
Expiration Date **APRIL 15, 2007**

By *[Signature]*
Miami Dade Product Control Division

FOR ALLOWABLE DESIGN WIND PRESSURE ON SINGLE WINDOWS, SEE LOAD TABLES ON SHEET 4.

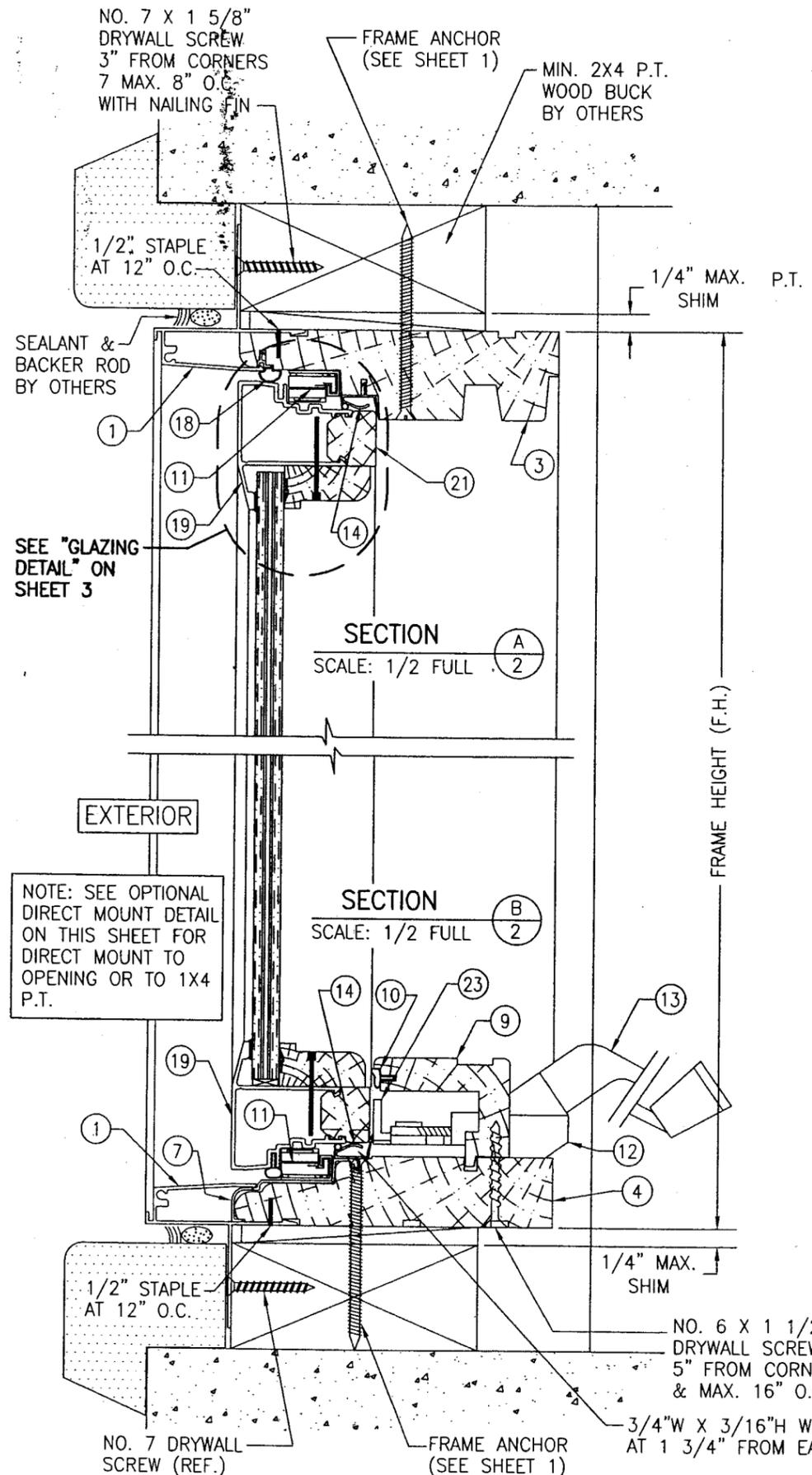
FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	3/16" TAPCON	1 1/4"	2"

ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A 1X4 P.T. CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" TAPCONS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

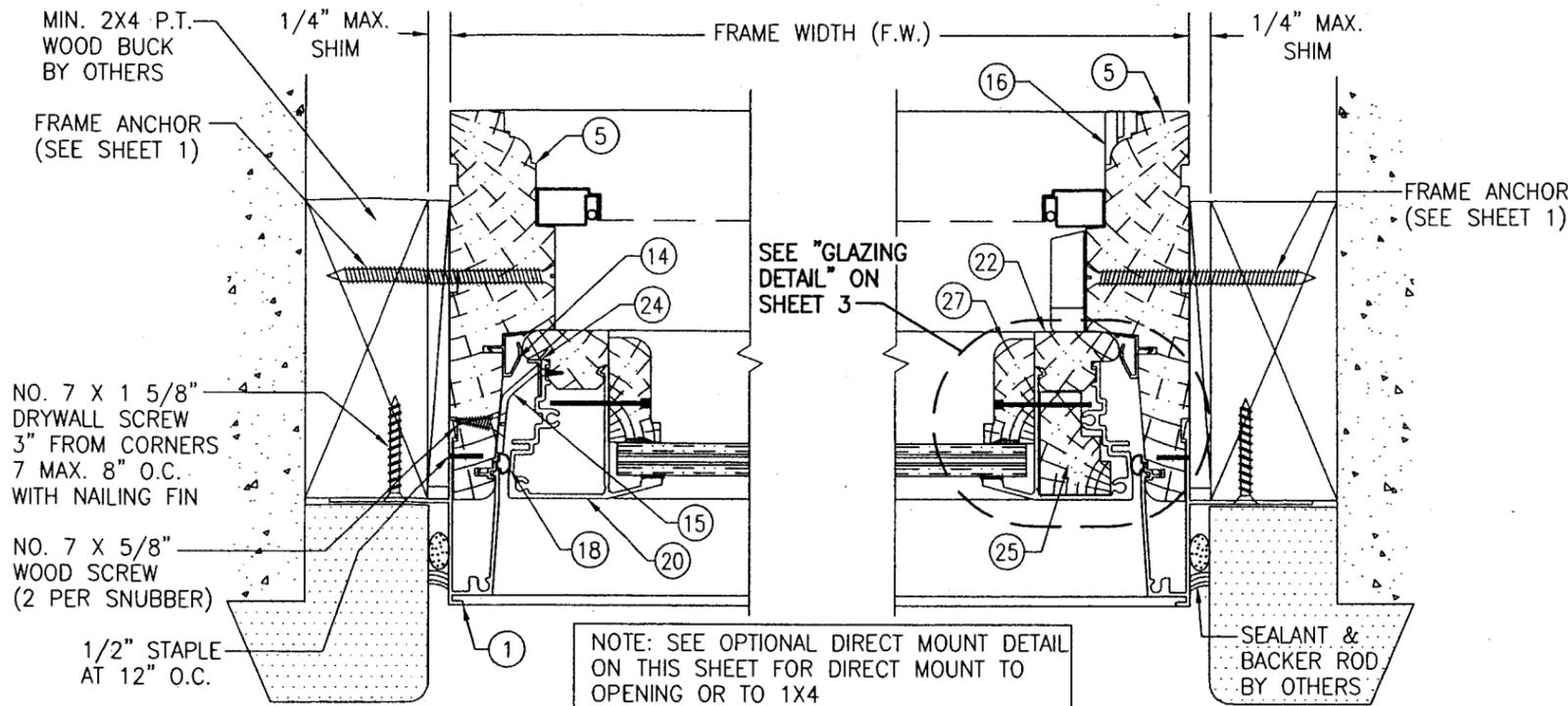
**IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED**

- NOTES**
1. THIS STRUCTURE IS DESIGNED AS PER THE FLORIDA BUILDING CODE (FBC).
 2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 4. ANCHORING OR LOADING CONDITION NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 1/25/05
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE VETTER IMPACT ALUMINUM CLAD CASEMENT 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 100 SOUTHVIEW DRIVE MOSINEE, WI 54455 715-693-7000
CERTIFICATION JAN 25 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1388	REV.
SHEET NO. 1	OF 4



SECTION A
SCALE: 1/2 FULL

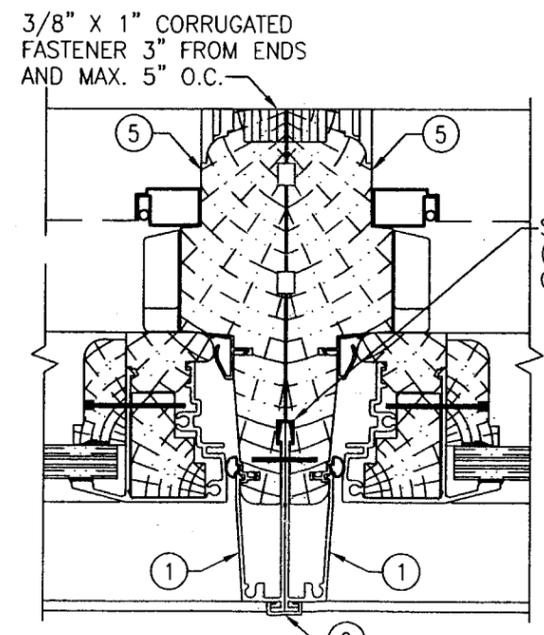


SECTION C
SCALE: 1/2 FULL

EXTERIOR

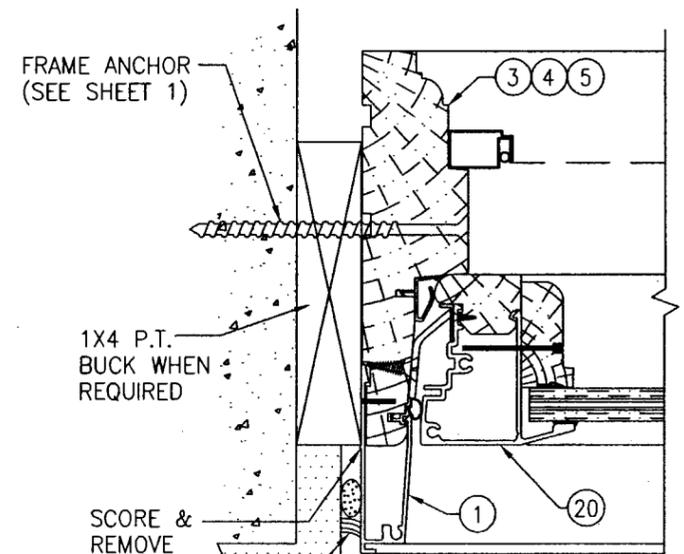
SECTION D
SCALE: 1/2 FULL

NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING OR TO 1X4



SECTION E
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



OPTIONAL DIRECT MOUNT DETAIL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

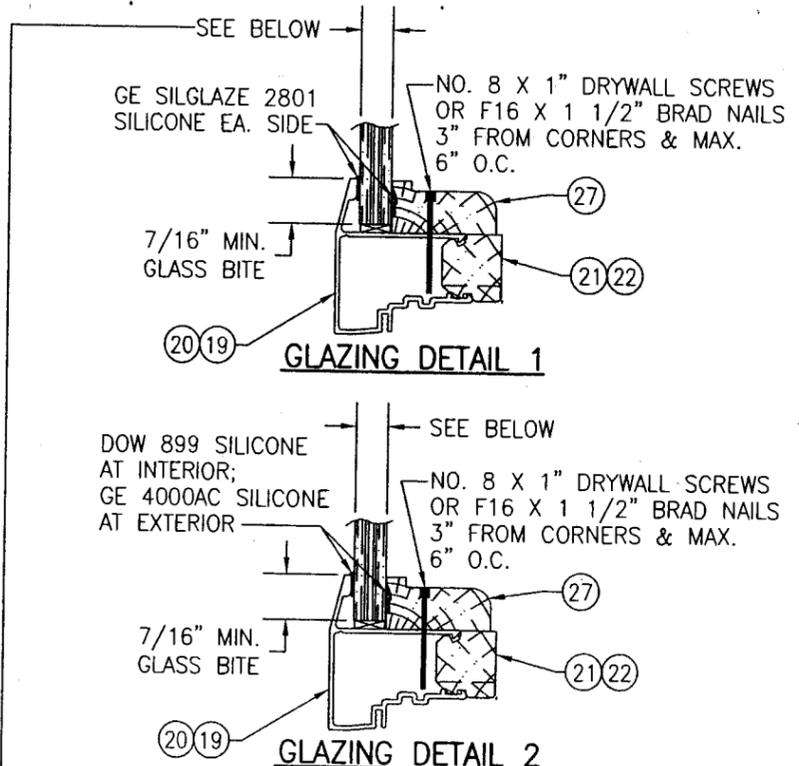
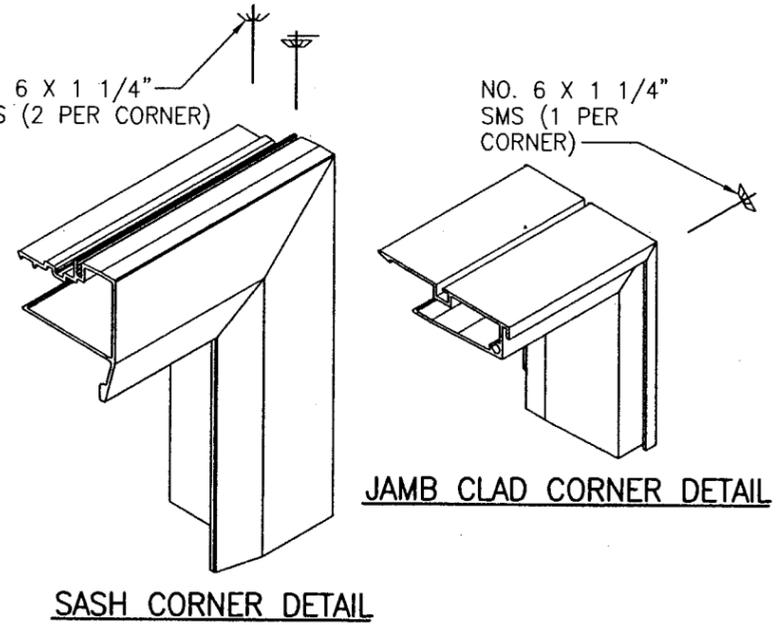
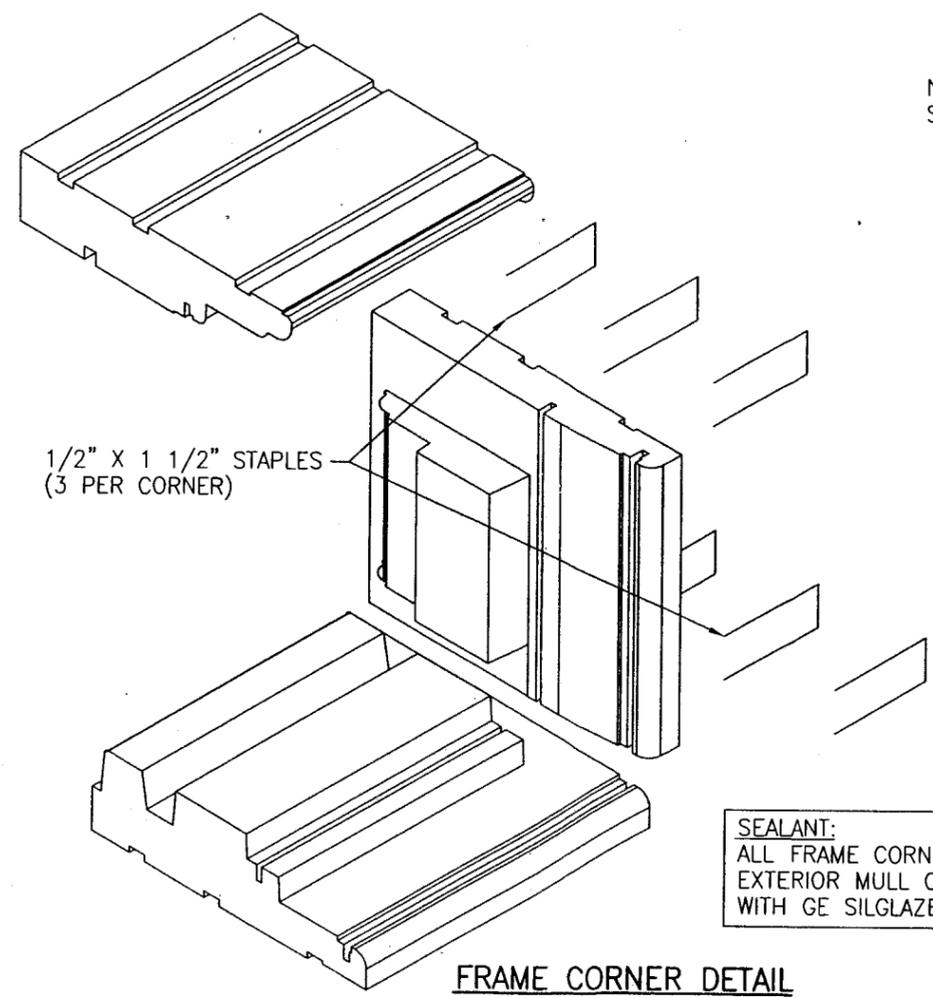
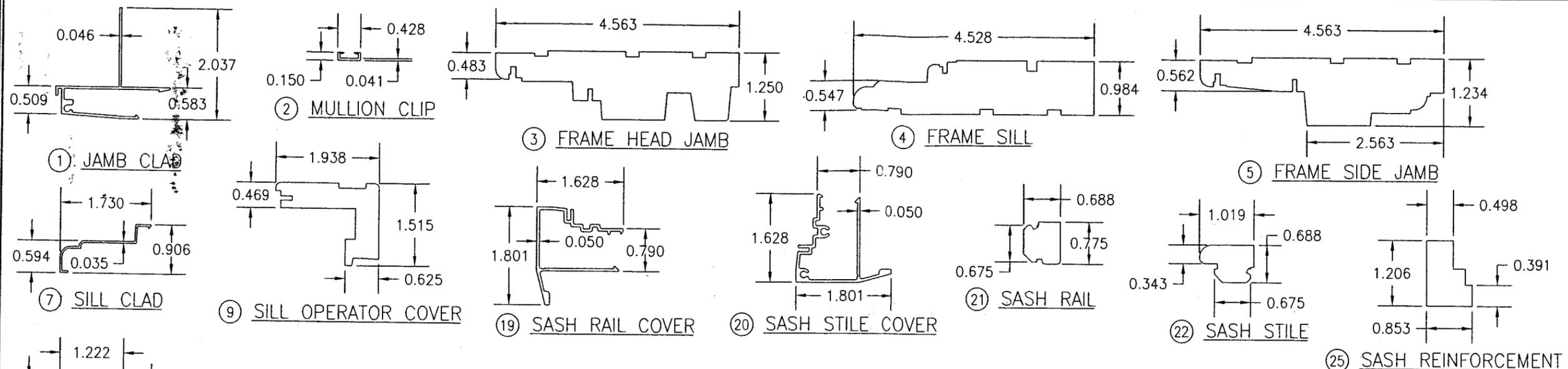
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No **07-0328.09**
Expiration Date **04/15/2008**

By *[Signature]*
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No **05-0606.05**
Expiration Date **APRIL 15, 2007**

By *[Signature]*
Miami Dade Product Control Division

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 1/25/05
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE VETTER IMPACT ALUMINUM CLAD CASEMENT OPERATOR	
MANUFACTURER VETTER WINDOWS & DOORS 1000 SOUTHWIND 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 JAN 25 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1388	REV.
SHEET NO. 2	OF 4



SEALANT:
ALL FRAME CORNERS, JOINTS &
EXTERIOR MULL CLIP SEALED
WITH GE SILGLAZE 2801

- GLAZING OPTIONS (TYP. FOR DETAIL 1 & 2):
- GLAZING OPTION 1) 3/8" THK. GLOBE AMERADA P380 (1/8" CHEM TEM/0.035 URETHANE/1/16" POLY CARBONATE/0.035 URETHANE/1/8" CHEM TEM)
 - GLAZING OPTION 2) 7/16" THK. GLOBE AMERADA L716 WIND-PANE (3/16" CHEM TEM/0.09 MONSANTO SAFLEX PVB/3/16" CHEM TEM)
 - GLAZING OPTION 3) 7/16" THK. SOLUTIA SAFLEX (3/16" AN/0.09 SOLUTIA SAFLEX PVB/3/16" AN)

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 1/25/05
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE VETTER IMPACT ALUMINUM CLAD CASEMENT OPERATOR	
MANUFACTURER	VETTER WINDOWS & DOORS 1000 SOUTHWIND DRIVE MOSINEE, WI 54455 715-693-7000
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 2038 PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION	JAN 25 2005 By <i>Warren W. Schaefer</i> P.E. NO. 44135
DRAWING NO.	REV.
1388	
SHEET NO.	
3	OF 4

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **07-0328-09**
Expiration Date **04/15/2008**

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **05-0606-05**
Expiration Date **APRIL 15, 2007**

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

**DESIGN LOAD CAPACITY - PSF
(FOR GLAZING DETAILS 1 & 2 AND GLAZING OPTIONS 1 & 2)**

WINDOW DIMENSIONS		POSITIVE (PSF)	NEGATIVE (PSF)
WIDTH	HEIGHT		
20"	24-1/8"	60.0	85.0
24"		60.0	85.0
28"		60.0	85.0
32"		60.0	75.0
36"		60.0	75.0
20"	28-1/8"	60.0	85.0
24"		60.0	85.0
28"		60.0	85.0
32"		60.0	75.0
36"		60.0	75.0
20"	32-1/8"	60.0	85.0
24"		60.0	85.0
28"		60.0	85.0
32"		60.0	75.0
36"		60.0	75.0
20"	36-1/8"	60.0	85.0
24"		60.0	85.0
28"		60.0	85.0
32"		60.0	75.0
36"		60.0	75.0
20"	40-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	44-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	48-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	54-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	58-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
16"	62-1/8"	60.0	75.0
20"		60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
16"	72-1/8"	60.0	75.0
20"		60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0

**DESIGN LOAD CAPACITY - PSF
(FOR GLAZING DETAILS 1 & 2 AND GLAZING OPTION 3)**

WINDOW DIMENSIONS		POSITIVE (PSF)	NEGATIVE (PSF)
WIDTH	HEIGHT		
20"	24-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	28-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	32-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	36-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	40-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	44-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	48-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	54-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
20"	58-1/8"	60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
36"		60.0	75.0
16"	62-1/8"	60.0	75.0
20"		60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0
16"	72-1/8"	60.0	75.0
20"		60.0	75.0
24"		60.0	75.0
28"		60.0	75.0
32"		60.0	75.0

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./REMARKS
1	900508	4	HEAD, SILL & SIDE JAMB CLAD (TFT)	6063-T5 ALUMINUM	CAPITOL
2	780959	1	CONTINUOUS MULLION CLIP	6063-T5 ALUMINUM	CAPITOL
3	310003	1	HEAD JAMB	* WOOD	WEATHER SHIELD
4	310004	1	SILL	* WOOD	WEATHERSHIELD
5	310021	2	SIDE JAMBS	* WOOD	WEATHER SHIELD
7	969911	1	SILL CLAD	6063-T5 ALUMINUM	CAPITOL
9	314709	1	OPERATOR COVER	-	WEATHER SHIELD
10	760068	1	OPERATOR COVER WEATHER STRIP	-	WEATHER SHIELD
11	900528C	2	HINGE AT TOP AND BOTTOM RAIL	-	TRUTH
12	900526D	1	SPLIT ARM OPERATOR	-	TRUTH
13	900526D	1	OPERATOR HANDLE	-	TRUTH
14	7600611	4	WEATHER STRIP	-	AMESBURY
15	980727	3	INT. SASH SNUBBER	-	MITCHELL METAL
16	900527C	2	SASH LOCK AT MAX. 14-3/4" FROM TOP & BOTTOM	ZINC CHRMT'D STEEL	TRUTH
17	900527C	2	KEEPERS AT LOCK LOCATIONS	ZINC CHRMT'D STEEL	TRUTH
18	760013	3	HEAD & SIDE JAMB WEATHER STRIP	VINYL	WEATHER SHIELD
19	969378	2	SASH RAIL COVER	6063-T5 ALUMINUM	CAPITOL
20	969381	2	SASH STILE COVER	6063-T5 ALUMINUM	CAPITOL
21	-	2	SASH RAIL	* WOOD	WEATHER SHIELD
22	-	2	SASH STILE	* WOOD	WEATHER SHIELD
23	972010	1	SASH BRACKET	-	TRUTH
24	972524	3	SASH SNUBBER RETAINER	-	WEATHER SHIELD
25	91412	1	SASH REINFORCEMENT	* WOOD	WEATHER SHIELD
27	-	4/SASH	GLASS STOP	* WOOD	WEATHER SHIELD

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **07-0328-09**
Expiration Date **04/15/2008**

By *[Signature]*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **05-0606-05**
Expiration Date **APRIL 15, 2007**

By *[Signature]*
Miami Dade Product Control
Division

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
DATE: 1/25/05	
PLOT: 1=2	
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: VETTER IMPACT ALUMINUM CLAD CASEMENT OPERATOR MANUFACTURER: VETTER WINDOWS & DOORS 1000 SOUTHWEST 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	
JAN 25 2005	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1388	REV.
SHEET NO. 4	OF 4