



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
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 Direct Set Wood Fixed Window - LMI

APPROVAL DOCUMENT: Drawing No. 1390, titled "Vetter Impact Aluminum Clad Direct Set Fixed Window", 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 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 # 05-0420.05 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 **Manuel Perez, P.E.**



NOA No 05-0606.07
 Expiration Date: April 15, 2008
 Approval Date: July 21, 2005
 Page 1

Vetter Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

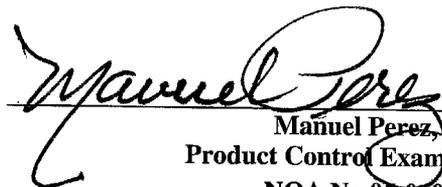
A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1390**, titled "Vetter Impact Aluminum Clad Direct Set Fixed Window", 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

Submitted under NOA#03-0123.01

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with the manufacturer's parts drawings, installation diagram and marked-up drawings of a direct set wood fixed window prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-0304-00**, dated 02/28/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0831.03*)
2. 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 three specimens of a direct set wood fixed window prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-1105-00**, dated from 10/31/00 to 11/06/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0831.03*)
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with the manufacturer's parts, sections and marked-up drawings (for 9 specimens) prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0037-0208-98**, Hurricane Test Laboratory, Inc., dated 02/11/98, signed and sealed by Timothy S. Marshall, P.E. *Test performed under original file (No. 98-0728.07)*
4. 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.
along with the manufacturer's parts, sections and marked-up drawings prepared by Architectural Testing, Inc. Test Report No. **ATI-16360**, dated September 11, 1995, signed and sealed by Allen N. Reeves, P.E. (*Submitted under NOA# 98-1110.10*)



Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0606.07
Expiration Date: April 15, 2008
Approval Date: July 21 2005

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 Schaefer, P.E. (*Submitted under NOA#03-0123.01*)
(1/3 increase in concrete anchor calculations is not used)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-0521.06**, issued to Globe Amerada Architectural Glass, L.L.C. for their "*Chem-Temp*® Chemically Strengthened Glass", approved on 07/18/02 and expiring on 07/18/07.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for their "Saflex /Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.
3. Notice of Acceptance No. **01-0911.01**, issued to Globe Amerada Architectural Glass, L.L.C. for their "Glass-Clad Polycarbonate", approved on 01/03/02 and expiring on 09/03/06.
4. Notice of Acceptance No. **04-0115.01**, issued to Viracon, Inc. for their "HRG-2 Laminated Glass", approved on 02/12/04 and expiring on 02/12/09.
5. Notice of Acceptance No. **03-0916.02**, issued to Nebula Glass International, Inc. for their "Glasslam Safety-Plus Laminated Glass", approved on 10/23/03 and expiring on 09/09/08.

F. STATEMENTS

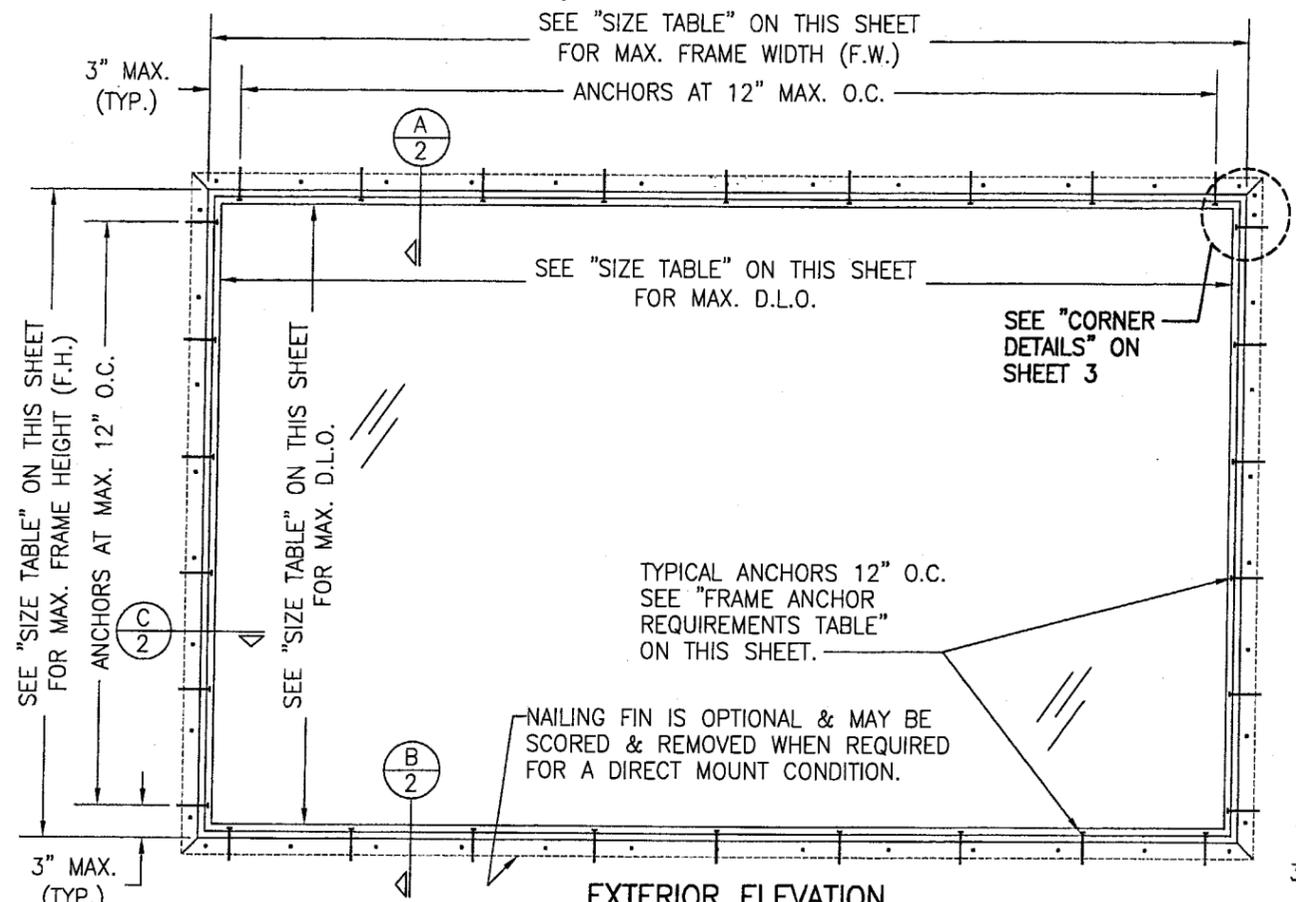
1. None

G. OTHER

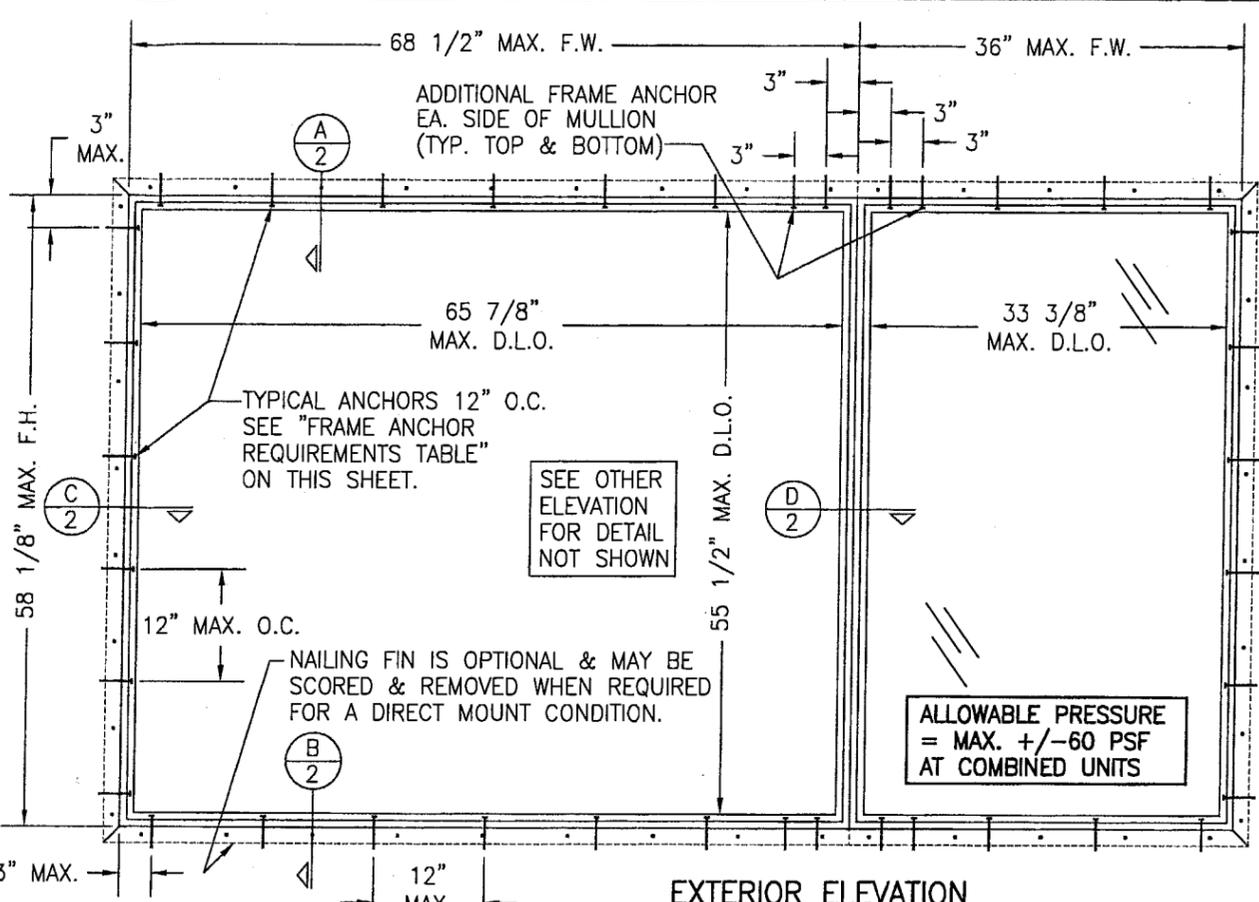
1. Notice of Acceptance No. **05-0420.05** Weather Shield Windows & Doors, for their Series "Contempra TFT Direct Set" Aluminum Clad Wood Fixed Window, approved on 06/16/05 and expiring on 4/15/08.



Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0606.07
Expiration Date: April 15, 2008
Approval Date: July 21 2005



**EXTERIOR ELEVATION
SINGLE DIRECT SET WINDOW**



**EXTERIOR ELEVATION
MULTIPLE DIRECT SET WINDOWS
(MAX. FOUR UNITS MAY BE COMBINED)**

APPROVED SHAPES

RECTANGULAR	OCTAGON	PARALLELOGRAM
FULL CIRCLE	CATHEDRAL/GOTHIC	INVERTED CIRCLE TOP
HALF CIRCLE	EXTENDED ELLIPTICAL	INVERTED ARCH TOP
QUARTER CIRCLE	MITERED CORNER	EXTENDED HALF ROUND
CIRCLE TOP	ARCH TOP	EXTENDED SEGMENTAL
HALF CIRCLE TOP	TRIANGULAR	QUARTERFOIL
OVAL	TRAPEZOID	PARTIAL ARCH
ELLIPTICAL	PENTAGON	EYEBROW
PARTIAL ELLIPTICAL		

NOTE: ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF FOR THE RESPECTIVE RECTANGULAR UNIT

ALLOWABLE WINDOW SIZE TABLE

HEIGHT (IN.)	WIDTH (IN.)	D.L.O. (IN.)	
		HEIGHT	WIDTH
47	124	44 3/8	121 3/8
48	120	45 3/8	117 3/8
54	108	51 3/8	105 3/8
58	100	55 3/8	97 3/8
59 3/4	97 1/2	57 1/8	94 7/8
72	80	69 3/8	77 3/8

APPLICABLE FOR SINGLE WINDOWS ONLY.

- MULTIPLE UNIT NOTES:**
1. WHEN BOTH WINDOWS ARE TO BE WIDER THAN 36" (F.W.), BOTH WINDOWS SHALL BE RESTRICTED BY A MAXIMUM F.W. OF 48".
 2. WHEN EITHER WINDOW IS TO BE 36" F.W. OR LESS, THE OTHER WINDOW MAY BE UP TO 68 1/2" F.W.
 3. 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 WEATHER SHIELD'S MULLION APPROVAL.
 4. FOR CLIPPED MULLION COMBINATIONS, SEE DRAWINGS NO. M96-05 & M96-06 UNDER SEPERATE APPROVAL.

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

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 & 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 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) FOR 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.

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"

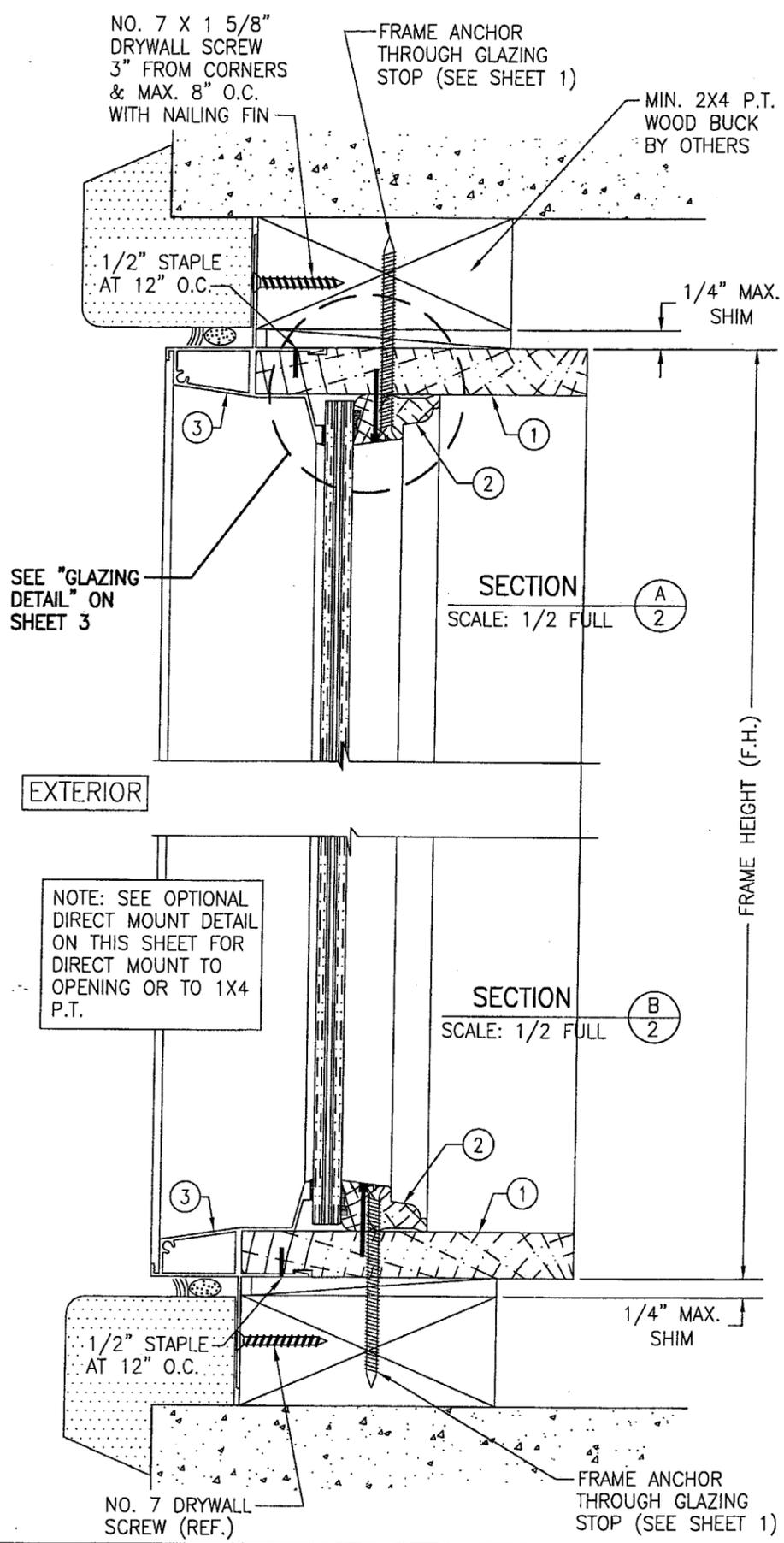
ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A 1X4 P.T. CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" TAPCONS SHALL BE USED. SEE "ANCHOR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

**IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED**

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-0606.07 Expiration Date APRIL 15, 2008

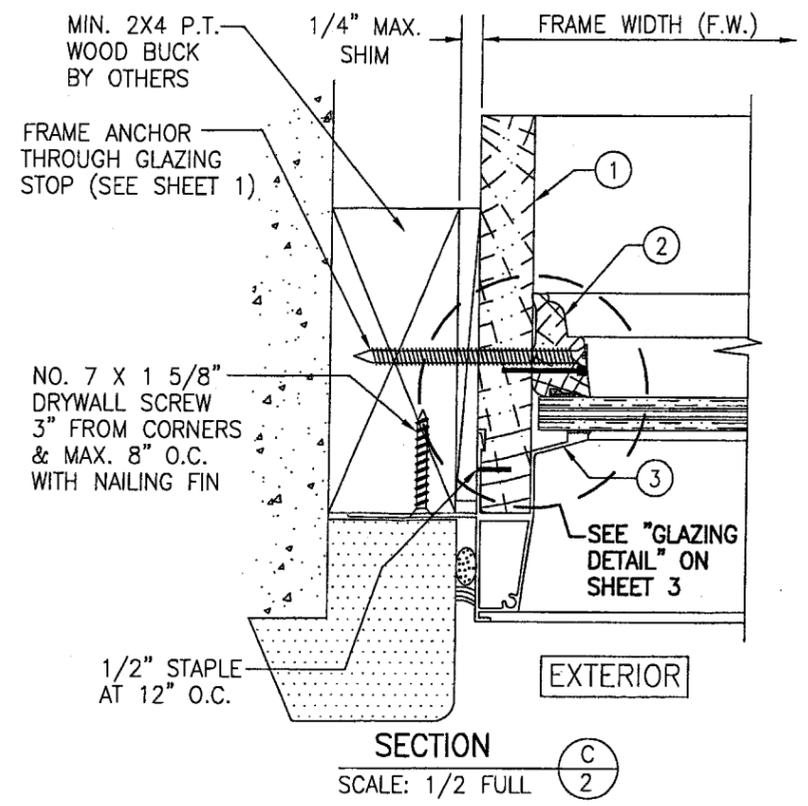
By *Manuel Perez*
Miami Dade Product Control Division

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 1/25/05
NO.	REVISION DESCRIPTION
DATE	
BY	
DESCRIPTION	
DRAWING TITLE VETTER IMPACT ALUMINUM CLAD DIRECT SET FIXED WINDOW	
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	DRAWING NO. 1390
CERTIFICATION JUN 21 2005 W. W. SCHAEFER, P.E. P.E. NO. 44135	REV. 1
	SHEET NO. 1 OF 4

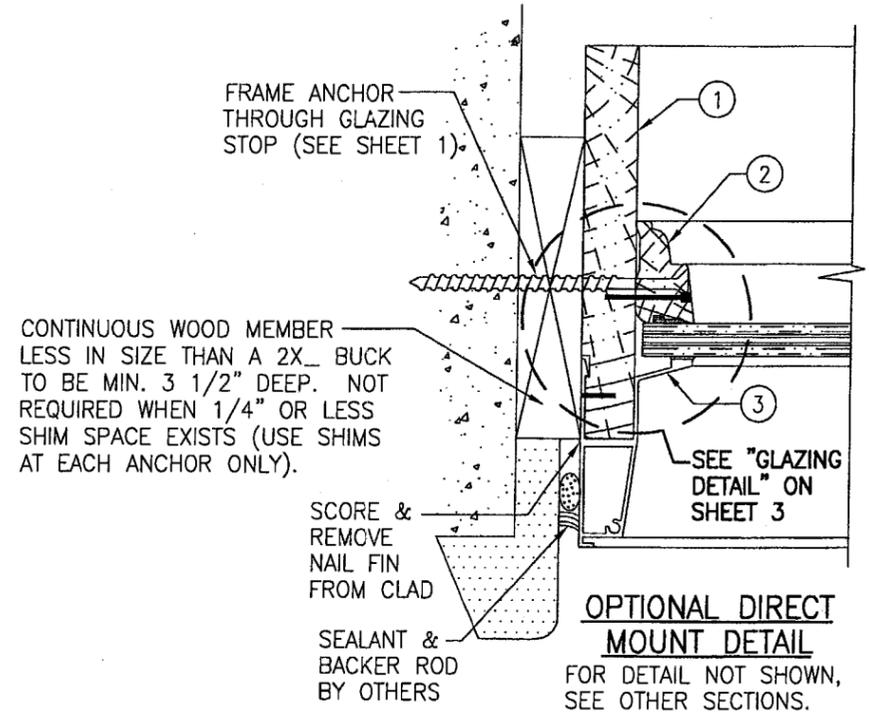


SECTION A
SCALE: 1/2 FULL

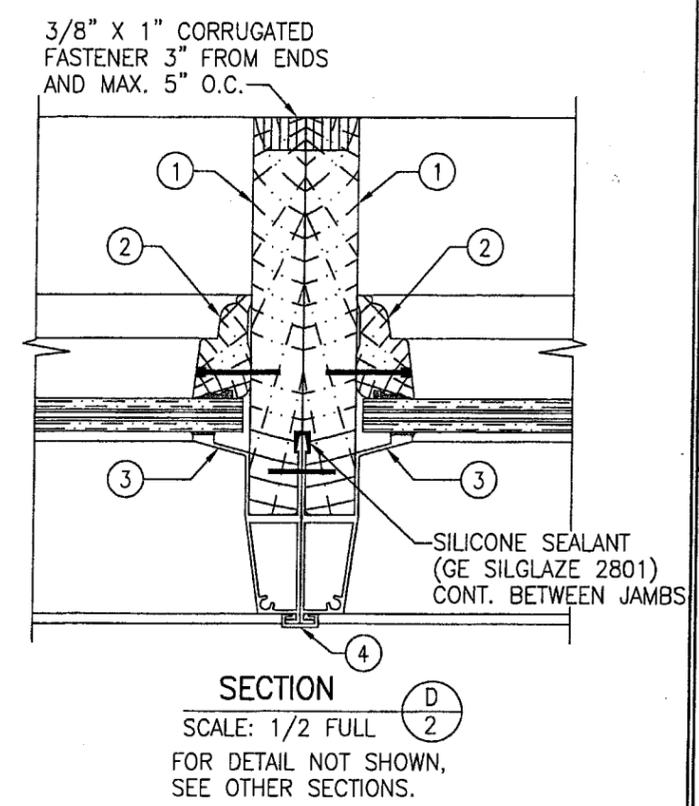
SECTION B
SCALE: 1/2 FULL



SECTION C
SCALE: 1/2 FULL



OPTIONAL DIRECT MOUNT DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



SECTION D
SCALE: 1/2 FULL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

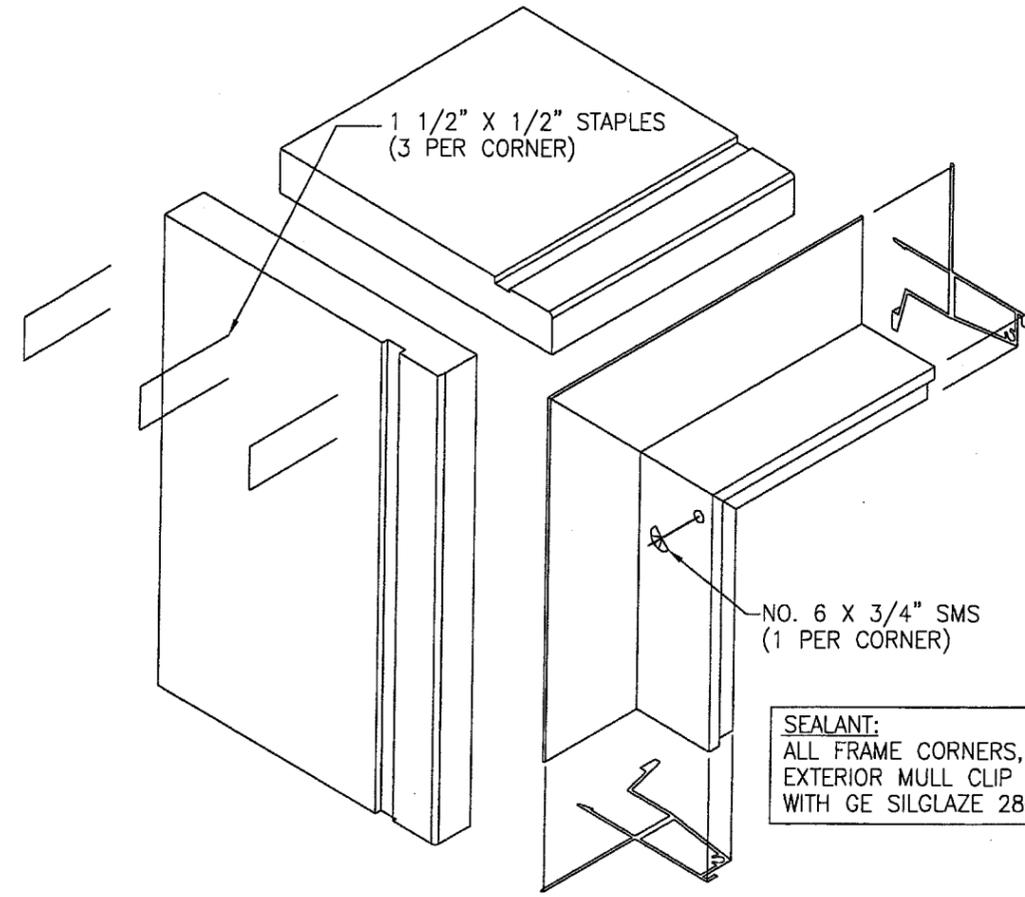
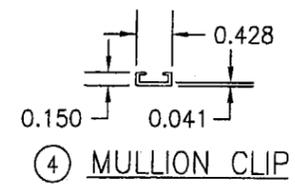
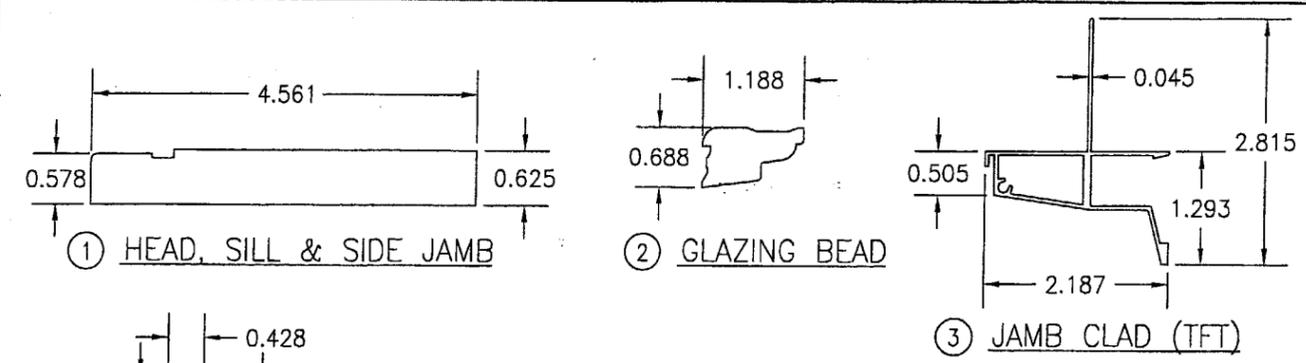
NOTE: SEE OPTIONAL DIRECT MOUNT DETAIL ON THIS SHEET FOR DIRECT MOUNT TO OPENING OR TO 1X4

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 05-0606-07
Expiration Date APRIL 15, 2008
By *Warren W. Schaeffer*
Miami Dade Product Control Division

DRAWING BY: S.T.R.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 1/25/05	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: VETTER IMPACT ALUMINUM CLAD DIRECT SET FIXED WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: VETTER WINDOWS & DOORS	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		1000 SOUTHVIEW DRIVE MOSINEE, WI 54455 715-693-7000	
CERTIFICATION: JUN 21 2005		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1390		REV.	
SHEET NO. 2		OF 4	

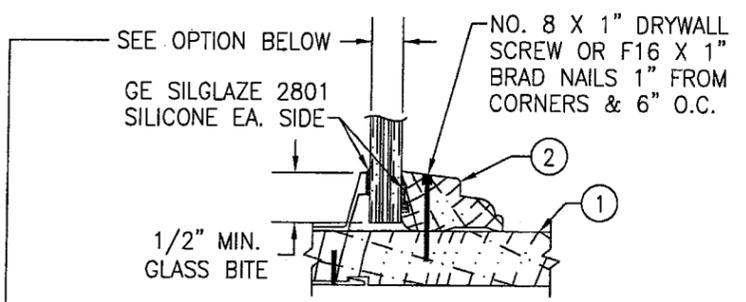
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	902922	4	HEAD, SILL & SIDE JAMB	* WOOD	WEATHER SHIELD
2	902902	4	GLAZING BEAD	* WOOD	WEATHER SHIELD
3	902920	4	JAMB CLAD (TFT)	6063-T5 ALUMINUM	WEATHER SHIELD
4	780959	1	TFT MULL CAP	6063-T5 ALUMINUM	CAPITAL PRODUCTS

* 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.



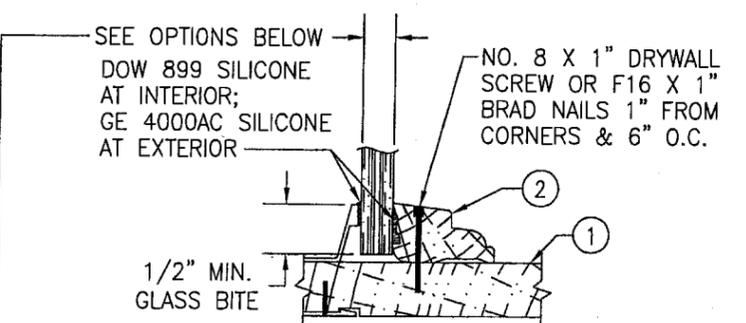
SEALANT:
ALL FRAME CORNERS, JOINTS &
EXTERIOR MULL CLIP SEALED
WITH GE SILGLAZE 2801

FRAME CORNER DETAIL



GLAZING DETAIL 1

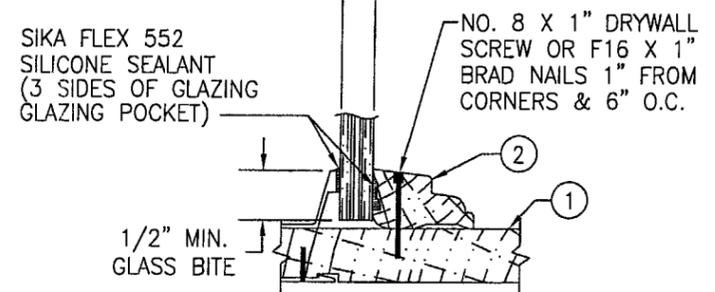
GLAZING OPTIONS (TYP. FOR DETAIL 1):
GLAZING OPTION 1) 1/2" THK. NEBULA GLASSLAM SAFETY PLUS (3/16" AN/0.06 RESIN/0.01 PET/0.06 RESIN/3/16" AN)



GLAZING DETAIL 2

GLAZING OPTIONS (TYP. FOR DETAIL 2):
GLAZING OPTION 2) 5/8" THK. VIRACON HRG2 (1/4" H.S./0.05 URETHANE/0.08 POLYCARBONATE SHEET/0.05 URETHANE/1/4" H.S.)
GLAZING OPTION 3) 9/16" THK. SOLUTIA SAFLEX (1/4" H.S./0.09 SOLUTIA SAFLEX PVB/1/4" H.S.)

GLAZING OPTION 4:
7/16" THK. SOLUTIA KEEPSAFE LAMINATED GLASS (3/16" AN/0.09 KEEPSAFE PVB/3/16" AN)



GLAZING DETAIL 3

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0606.07
Expiration Date APRIL 15, 2008

By *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: S.T.R.	CHECKED BY: W.W.S.	DATE: 1/25/05	NO.	REVISION DESCRIPTION	BY	DATE	DRAWING TITLE VETTER IMPACT ALUMINUM CLAD DIRECT SET FIXED WINDOW
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 JUN 21 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135							
DRAWING NO. 1390							REV.
SHEET NO. 3							OF 4

9/16" SOLUTIA SAFLEX LAMINATED HEAT STRENGTHENED GLASS (WITH GLAZING DETAIL 2 & GLAZING OPTION 3)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
36"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
42"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
48"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0
54"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0		
60"	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0	55.0	67.0						
66"	50.0	60.9	50.0	60.9	50.0	60.9										
72"	45.8	55.8	45.8	55.8												
(1) LONG DIMENSION	72"	80"	88"	96"	98"	104"	108"	120"								

1/2" GLASSLAM NEBULA SAFETY PLUS LAMINATED ANNEALED GLASS (WITH GLAZING DETAIL 1 & GLAZING OPTION 1)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.3	67.3	65.0	65.0	61.5
48"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	66.7	66.7	60.3	60.3	58.3
54"			70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.0	69.0	61.7	61.7	55.0	55.0	52.8
60"					70.0	70.0	70.0	70.0	70.0	63.2	63.2	57.9	57.9	51.6	51.6	50.3
66"										63.6	65.5	58.9	58.9	53.3	53.3	
72"										58.3	61.6	55.3	55.3			
(1) LONG DIMENSION	48"	56"	64"	72"	80"	88"	96"	98"	104"	108"	120"					

5/8" VIRACON HRG2 LAMINATED HEAT STRENGTHENED GLASS (WITH GLAZING DETAIL 2 & GLAZING OPTION 2)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0		
60"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0						
66"	54.5	68.2	54.5	68.2	54.5	68.2										
72"	50.0	62.5	50.0	62.5												
(1) LONG DIMENSION	72"	80"	88"	96"	98"	104"	108"	120"								

7/16" SOLUTIA KEEPSAFE LAMINATED ANNEALED GLASS (WITH GLAZING DETAIL 3 & GLAZING OPTION 4)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (PSF)															
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0				
48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	70.1				
54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0								
60"			60.0	75.0	60.0	75.0										
(1) LONG DIMENSION	54"	60"	66"	72"	77"	84"	90"	96"	99"	102"	108"	120"	132"			

TABLE NOTES:

(1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/-1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **05-0606.07**
Expiration Date **APRIL 15, 2008**

By *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: S.T.R. CHECKED BY: W.W.S.
PLOT: 1=2 DATE: 1/25/05

NO.	REVISION DESCRIPTION	DATE	BY

DRAWING TITLE: VETTER IMPACT ALUMINUM CLAD DIRECT SET FIXED WINDOW
MANUFACTURER: VETTER WINDOWS & DOORS
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
1000 SOUTHVIEW DRIVE
MOSINEE, WI 54455
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION
JUN 21 2005
WARREN W. SCHAEFER P.E.
P.E. NO. 44135

DRAWING NO. 1390
SHEET NO. 4 OF 4