



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.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Wausau Window and Wall Systems
P.O. Box 1746
Wausau, WI 54402

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 3250 HP Aluminum Fixed Window – L. M. I.

APPROVAL DOCUMENT: Drawing No. 1084, titled: 3250 HP Fixed Window (Large Missile Impact), sheets 1 through 3, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/07/02 with revision "A2" on 08/10/05, 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

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 # 05-0915.02 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
8/10/07

NOA No 07-0423.10
Expiration Date: April 25, 2012
Approval Date: August 09, 2007
Page 1

Wausau Window and Wall Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1084**, Sheets 1 through 3 of 3, titled Series "3250" HP Fixed Window (Large Missile Impact), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/07/02 with revision "A2" on 08/10/05, 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 and TAS 202-94
along with marked-up drawings and installation diagram of 6 specimens each consisting of three-panel configuration of aluminum fixed and casement windows, each 146" wide and 72" high, prepared by Architectural Testing, Inc., Test Report No. **ATI-06-30280.01**, dated 01/22/02, signed and sealed by Allen N. Reeves, P.E.
"Submitted under NOA# 05-0915.02"

C. CALCULATIONS

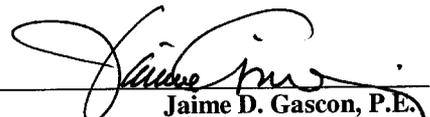
1. Revised, Anchor verification calculations, complying with FBC-2004, dated 08/10/05, prepared, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98
2. Anchor Calculations and Glass Analysis for "3250 HP" Fixed Window (Large Missile)" prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/21/02, signed and sealed by Warren W. Schaefer, P.E.
"Submitted under NOA# 05-0915.02"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-0916.04** issued to Viracon, Inc. for "StormGuard (laminated)" dated 05/22/03, expiring on 04/14/08.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 07-0423.10
Expiration Date: April 25, 2012
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Wausau Window and Wall Systems

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F. STATEMENTS

1. Letter of no change issued by Wausau dated April 17, 2007, signed by Thomas Mifflin.
2. Statement letter of compliance issued by W. W. Schaefer Engineering & Consulting, P.A., dated January 29, 2002, signed and sealed by Warren W. Schaefer, P.E.
“Submitted under NOA# 05-0915.02”
3. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated January 29, 2002, signed and sealed by Warren W. Schaefer, P.E.
“Submitted under NOA# 05-0915.02”
4. Laboratory compliance letter for Test Report No. **ATI-06-30280.01**, dated January 28, 2002, signed and sealed by Allen N. Reeves, P.E.
“Submitted under NOA# 05-0915.02”
5. Letter requesting expedited review issued by Wausau dated January 5, 2002, signed by Joe Ramuta.
“Submitted under NOA# 05-0915.02”
6. Proposal No. **01-0079**, issued by this Office, to Mr. Warren Schaefer, P. E. for the “Wausau Window & Wall Systems” dated May 9, 2001.
“Submitted under NOA# 05-0915.02”

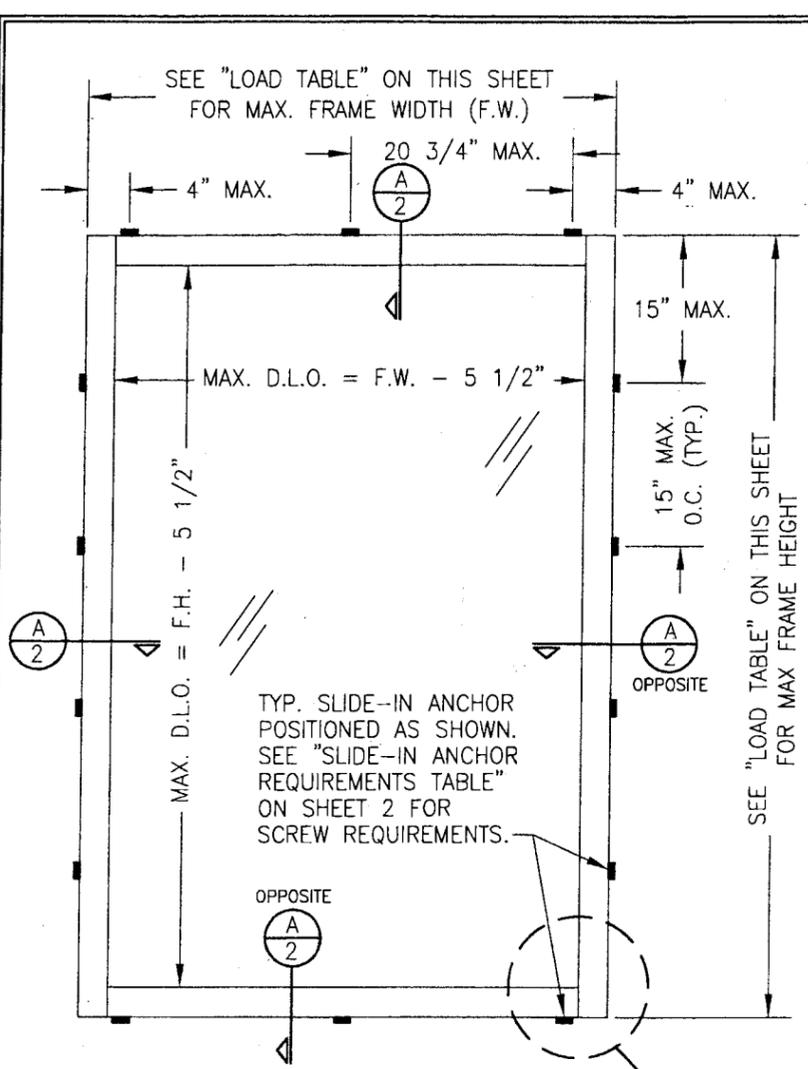
G. OTHER

1. None

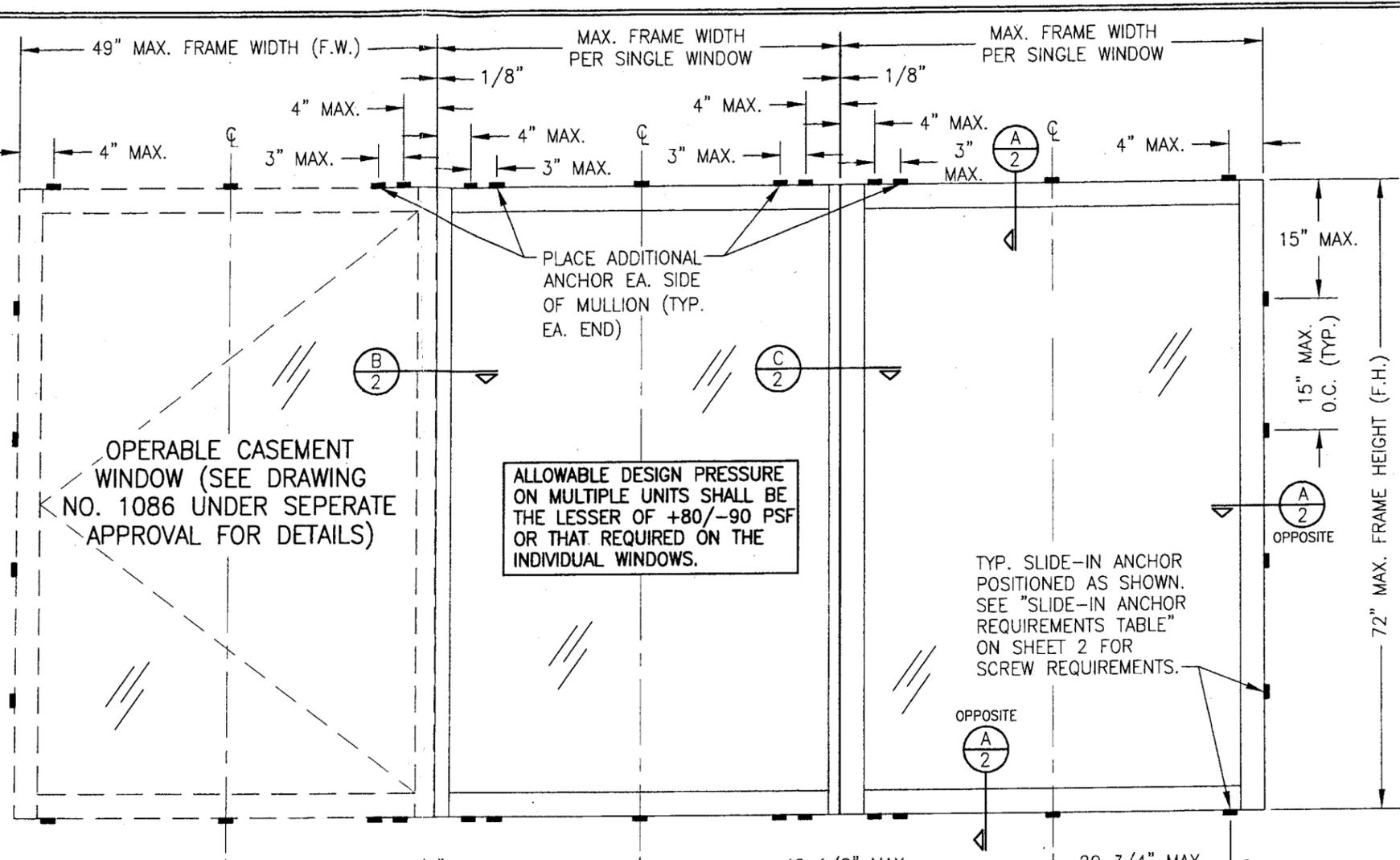


Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 07-0423.10
Expiration Date: April 25, 2012
Approval Date: August 09, 2007

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
DATE: 08/10/05	DATE: 01/07/02
NO. 1	REVISION DESCRIPTION
A1	UPDATE GENERAL NOTES TO 2004 CODE COMPLIANT
A2	ADDED MULLION END ANCHORS & REDUCED FRAME ANCHOR SPACING TO 15"
MANUFACTURER WAUSAU WINDOW & WALL SYSTEMS 1415 WEST STREET WAUSAU, WI. 54402-1746 715-845-2161	
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	
DRAWING TITLE 3250 HP FIXED WINDOW (LARGE MISSILE IMPACT)	
CERTIFICATION AUG 10 2005 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1084	REV. A
SHEET NO. 1 OF 3	



**EXTERIOR ELEVATION
SINGLE FIXED WINDOW**
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE FIXED AND CASEMENT WINDOWS**
(MORE THAN THREE WINDOWS MAY BE COMBINED HORIZONTALLY)
SEE OTHER ELEVATION FOR FIXED WINDOW DETAILS
SCALE: 3/4"=1'-0"

(1) SHORT DIMENSION	ALLOWABLE DESIGN PRESSURE											
	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)											
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
30"	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0
36"	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0
42"	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0
49"	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0	80.0	90.0
54"	72.6	81.7	72.6	81.7								
59"	66.4	74.7										
(1) LONG DIMENSION	59	65	72"	84"	98	117						

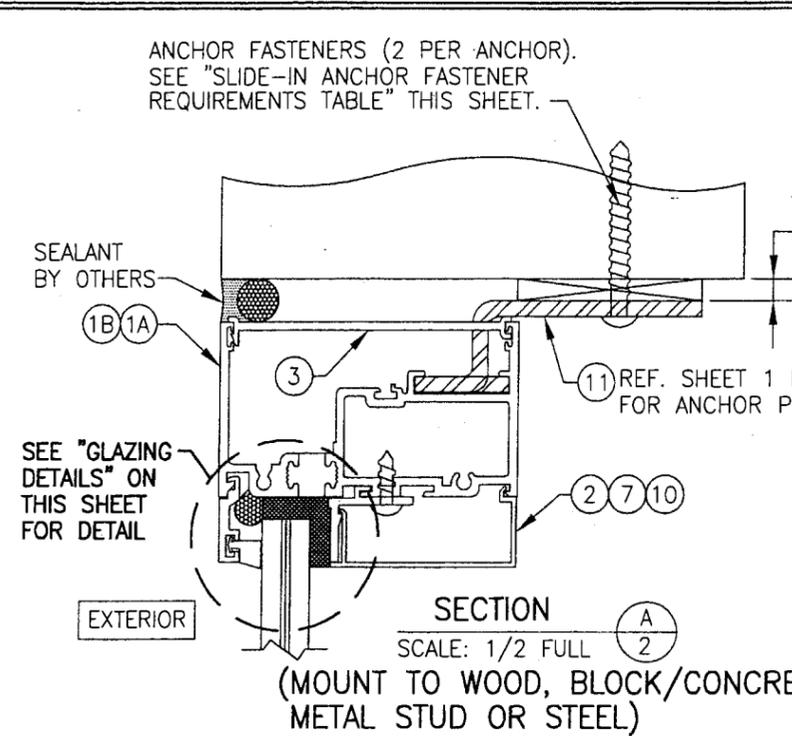
TABLE NOTES:
 (1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/- 1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS
 (2) THOSE SIZES WITH LOADS LISTED ARE MAXIMUM ALLOWABLE SIZES AT THAT LOAD. IF NO LOAD IS LISTED FOR A GIVEN SIZE, THAT SIZE EXCEEDS ALLOWABLE AND IS NOT ACCEPTABLE.

NOTE: WHEN DIRECT MOUNTING TO A BLOCK/ CONCRETE OPENING WITH CONCR. SCREWS, THE HEAD & SILL MUST BE CONCRETE, THE SIDES MAY BE BLOCK OR CONCRETE.

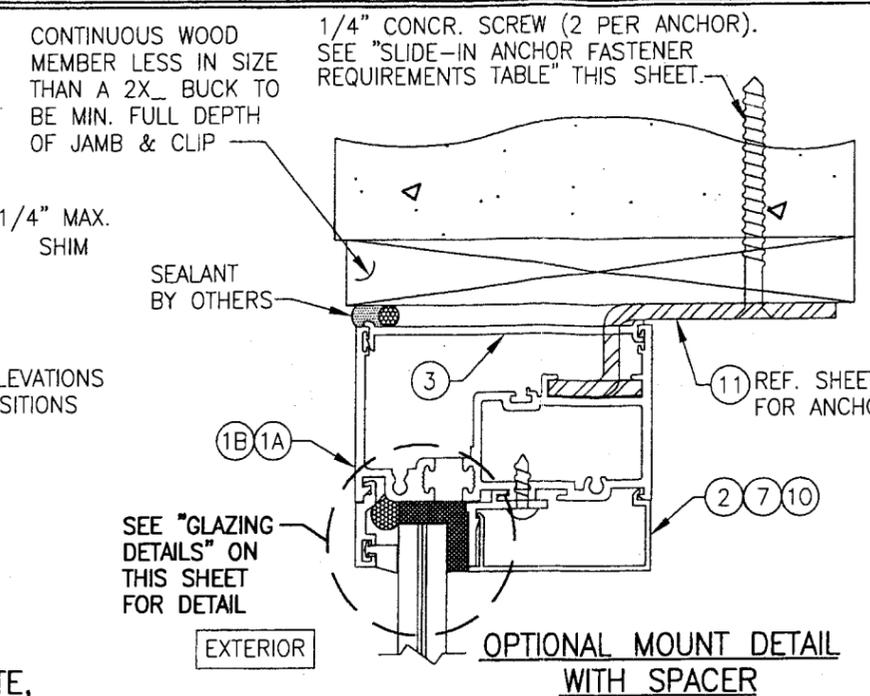
PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No **07-0423-10**
 Expiration Date **04/25/2012**
 By *[Signature]*
 Miami Dade Product Control Division

- GENERAL NOTES**
- THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOAD" TABLE.
 - BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 - ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
 - THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FBC PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 - THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONES.
 - IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
 - ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
 - THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.
 - ALL SUBSTRATE SHALL HAVE THE FOLLOWING MINIMUM REQUIREMENTS.
 - ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
 - ALL WOOD SUBSTRATE SHALL BE MIN. G = 0.55 DENSITY.
 - ALL METAL STUD SUBSTRATE SHALL BE MIN. 16 GA. Fy = 50 ksi.
 - ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 12 GA. Fy = 36 ksi.

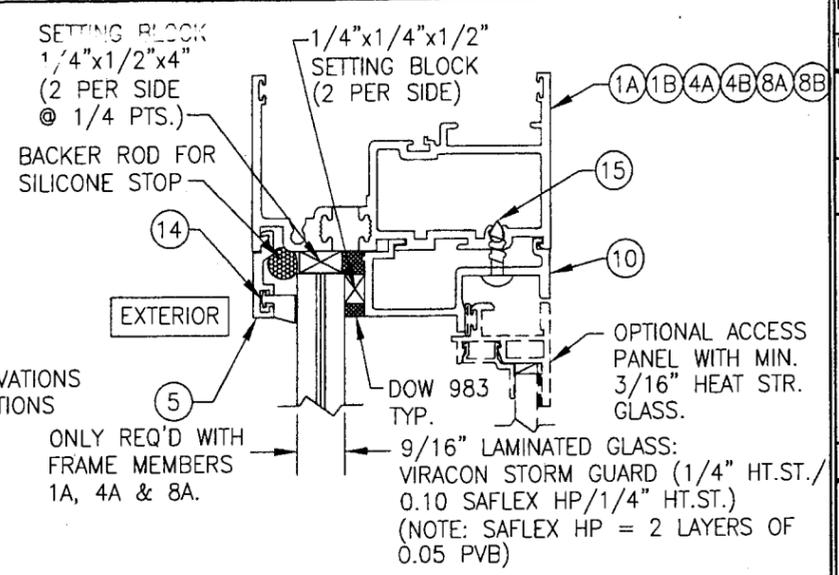
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No **05-0915-02**
 Expiration Date **04/25/07**
 By *[Signature]*
 Miami Dade Product Control Division



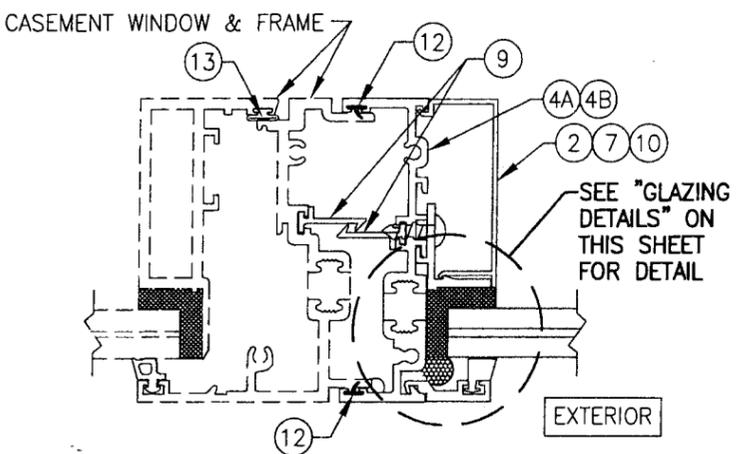
SECTION A
SCALE: 1/2 FULL
(MOUNT TO WOOD, BLOCK/CONCRETE, METAL STUD OR STEEL)



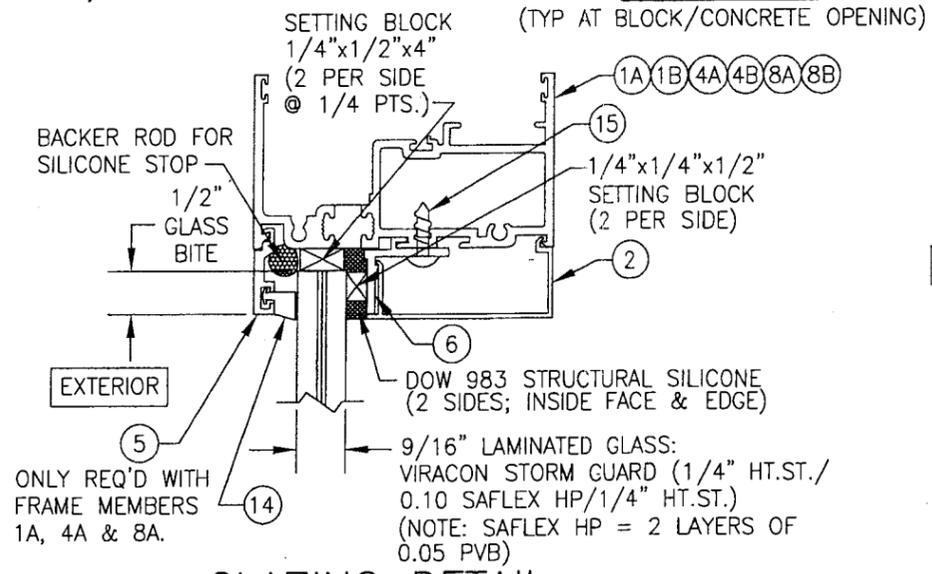
OPTIONAL MOUNT DETAIL WITH SPACER
(TYP AT BLOCK/CONCRETE OPENING)



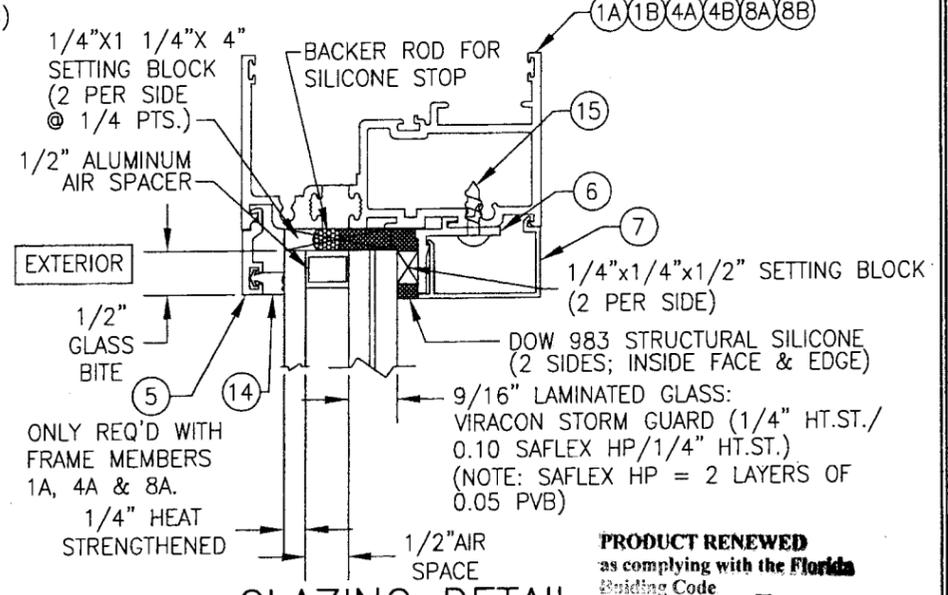
GLAZING DETAIL (OPTION 1)



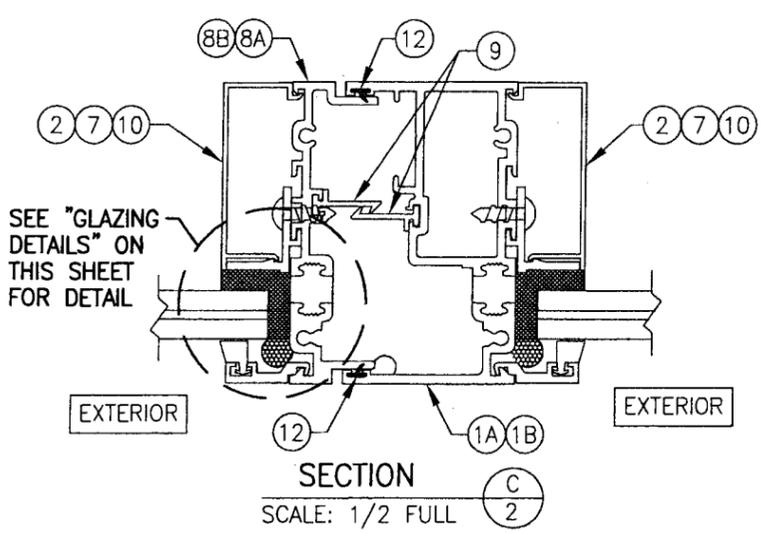
SECTION B
SCALE: 1/2 FULL



GLAZING DETAIL (OPTION 2)



GLAZING DETAIL (OPTION 3)



SECTION C
SCALE: 1/2 FULL

OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	NO. FASTENERS PER ANCHOR INTO SUBSTRATE	MINIMUM EMBED	MINIMUM EDGE DIST.
WOOD	NO. 14 S.S. SMS	2	1 3/8"	1"
MIN. 16 GA. STUD	NO. 14 TEK. SCREW	2	FULL	1/2"
MIN. 12 GA. STRUCT. STEEL	NO. 14 TEK SCREW	2	FULL	1/2"
BLOCK/CONCRETE	(1) 1/4" CONCRETE SCREW	2	1 1/4"	2 1/4"

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

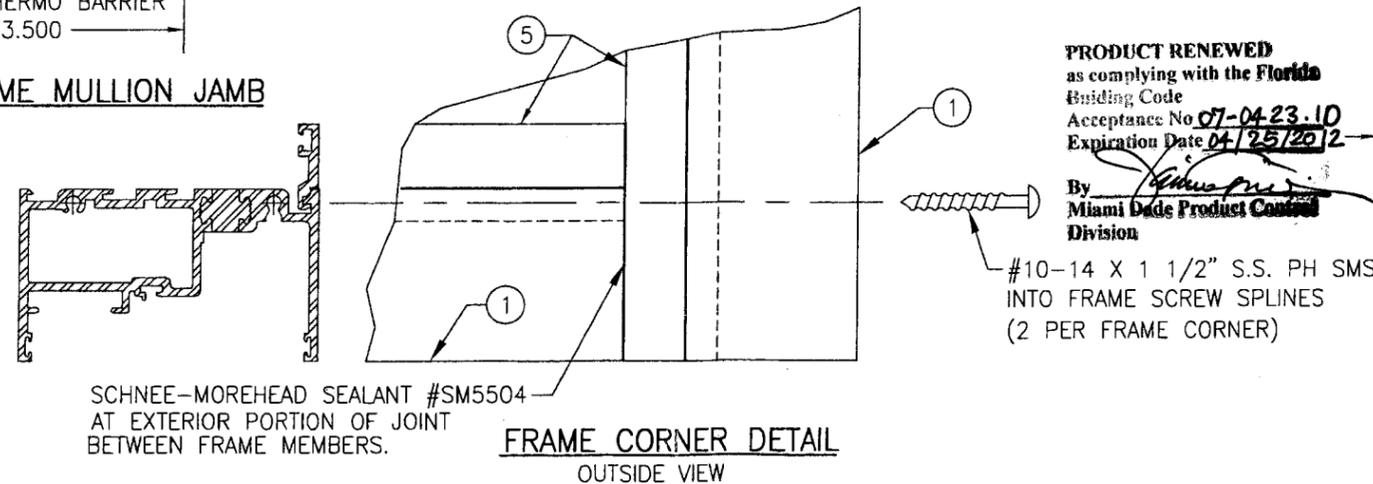
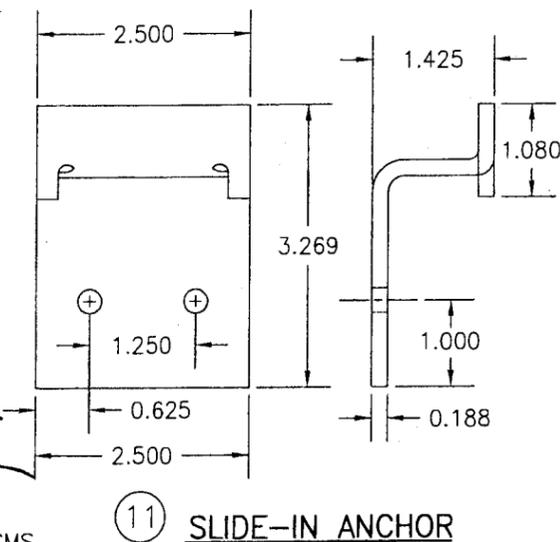
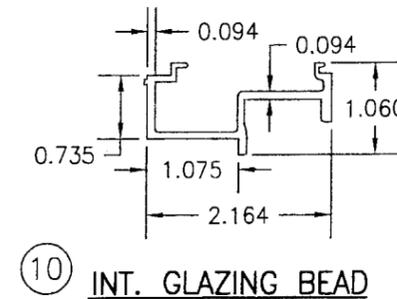
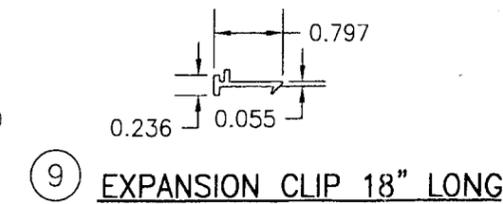
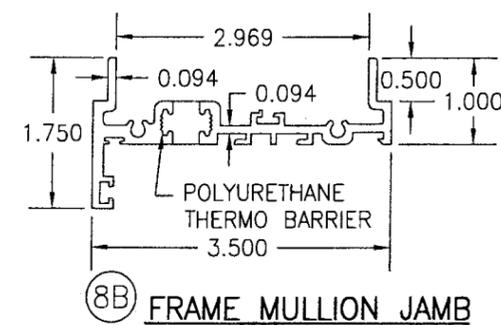
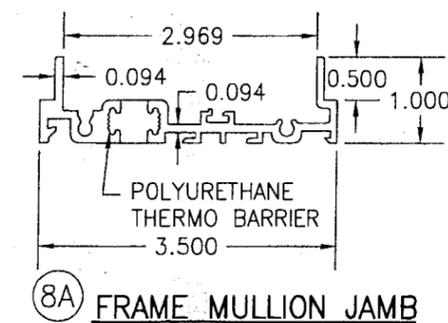
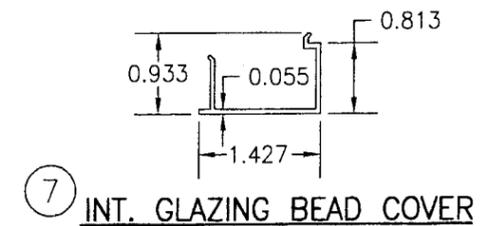
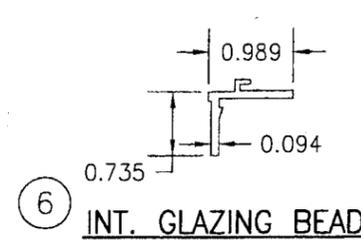
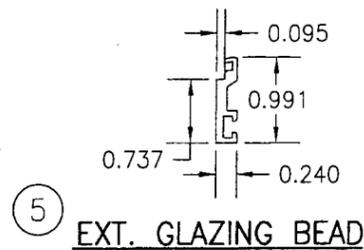
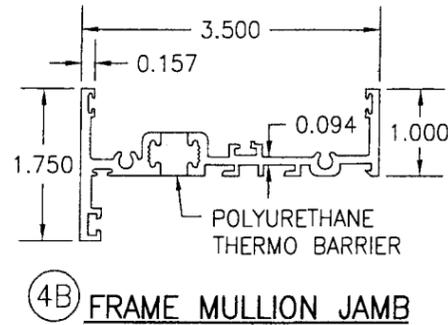
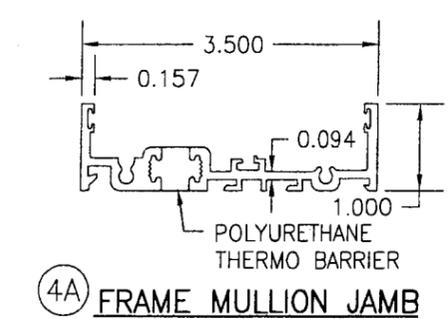
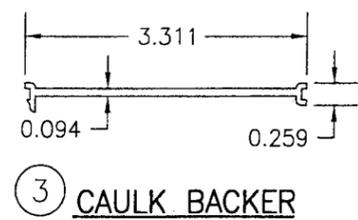
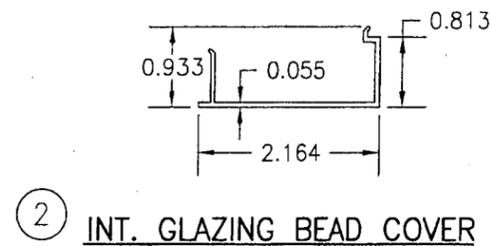
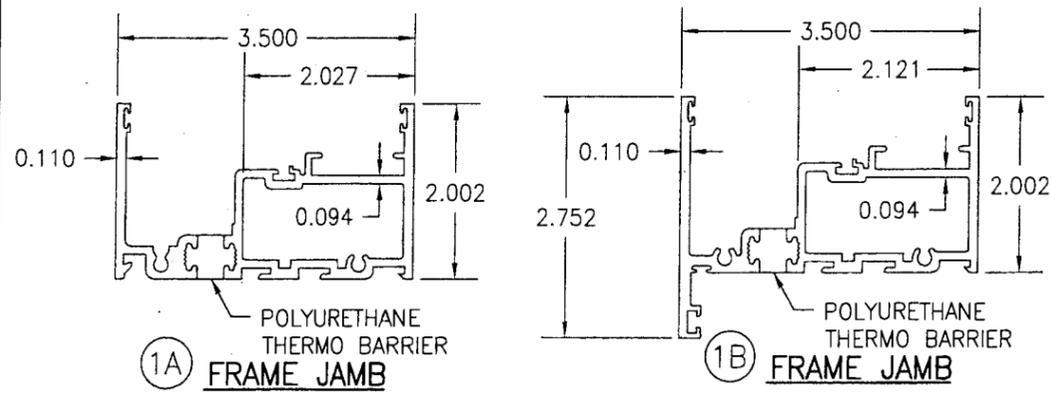
ANCHOR NOTE: WHEN ANCHORED TO A BLOCK/CONCRETE OPENING CLIPS MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2X NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X BUCK, NO. 14 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCR. SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISSIMILAR MATERIALS (BLOCK/CONCRETE, STEEL & ALUMINUM).

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 07-0423-10
Expiration Date 04/25/2012

By *[Signature]*
Miami Dade Product Control Division

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 05-0915-02
Expiration Date 04/25/10
By *[Signature]*
Miami Dade Product Control Division

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
DATE: 01/07/02	
PLLOT: 1=2	
NO.	
REVISION DESCRIPTION	
BY	
DATE	
DRAWING TITLE: 3250 HP FIXED WINDOW (LARGE MISSILE IMPACT)	
MANUFACTURER: WAUSAU WINDOW & WALL SYSTEMS	1415 WEST STREET WAUSAU WI. 54402-1746 715-845-2161
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: AUG 10 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1084	REV. A
SHEET NO. 2	OF 3



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	313052	MAIN FRAME JAMB	6063-T6 ALUMINUM
1B	313109	OPTIONAL MAIN FRAME JAMB	6063-T6 ALUMINUM
2	805672	INTERIOR GLAZING BEAD COVER	6063-T6 ALUMINUM
3	445	CAULK BACKER (LENGTH OF JAMB, NOTCHED FOR ANCHOR)	PVC
4A	313050	FRAME JAMB AT FIXED TO CASEMENT MULLION	6063-T6 ALUMINUM
4B	313105	OPTIONAL FRAME JAMB AT FIXED TO CASEMENT MULLION	6063-T6 ALUMINUM
5	805669	EXTERIOR GLAZING BEAD	6063-T6 ALUMINUM
6	805670	INTERIOR GLAZING BEAD	6063-T6 ALUMINUM
7	805676	INTERIOR GLAZING BEAD COVER	6063-T6 ALUMINUM
8A	313056	FRAME JAMB AT FIXED TO FIXED MULLION	6063-T6 ALUMINUM
8B	313107	OPTIONAL FRAME JAMB AT FIXED TO FIXED MULLION	6063-T6 ALUMINUM
9	907290	EXPANSION CLIP 18" LONG @ MIDSPAN OF MULL.	6063-T6 ALUMINUM
10	805674	INTERIOR GLAZING BEAD (USED WITH OPTIONAL INT. PANEL)	6063-T6 ALUMINUM
11	134790	SLIDE-IN ANCHOR	7 GA. ZINC PLATED STEEL
SEALS & SEALANTS			
12	9680	WEATHER STRIP	RIGID PVC ALCRYN/CLIM-TECH.
13	9989	BULB GASKET	THERMO PLASTIC/ULTRA FAB
14	6676	SOLID GLAZING GASKET	SILICONE/TREMCO
FASTENERS			
15	-	#10-32 X 5/8" S.S. PH (2/GLAZING BEAD @ 1/4 PTS.)	

DRAWN BY: J.C.F. CHECKED BY: W.W.S.
 PLOT: 1=2 DATE: 01/07/02

DATE: _____ BY: _____

REVISION DESCRIPTION: _____

NO. _____

DRAWING TITLE: 3250 HP FIXED WINDOW (LARGE MISSILE IMPACT)

MANUFACTURER: WAUSAU WINDOW & WALL SYSTEMS
 1415 WEST STREET
 WAUSAU, WI 54402-1746
 715-845-2161

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: AUG 10 2005
 WARRREN W. SCHAEFER, P.E.
 P.E. NO. 44135

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 By: [Signature] Miami Dade Product Control Division

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 By: [Signature] Miami Dade Product Control Division

DRAWING NO. 1084 REV. A
 SHEET NO. 3 OF 3