



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Wausau Window and Wall Systems,
A Division of Apogee Wausau Group, Inc.
7800 International Drive
Wausau, WI 54401

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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" Inswing Aluminum Casement Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. 1087, titled "3250 HP Inswing Casement Window (Small Missile Impact)", sheets 1 through 4 of 4, dated 01/25/02, with revision C1 dated 05/19/11, 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 Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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# 12-1128.07 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.



MP
6/13/14

NOA No. 14-0424.06
Expiration Date: April 25, 2017
Approval Date: June 19, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 02-0215.14)
2. Drawing No. 1087, titled "3250 HP Inswing Casement Window (Small Missile Impact)", sheets 1 through 4 of 4, dated 01/25/02, with revision C1 dated 05/19/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 12-0416.08)

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) Small Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 7) Forced Entry Test, per ASTM F 588-07 (Grade 10), FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of aluminum casement and fixed window, prepared by Quast Consulting & Testing, Inc., Test Reports No. QCT11-2310.01 for specimen 1 and 2, dated 02/20/12, signed and sealed by Brian M. Sasman, P.E.

(Submitted under NOA No. 12-0416.08)

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, 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, with revision and addendum letters dated 03/05/02, all signed and sealed by Allen N. Reeves, P.E.

(Submitted under NOA No. 02-0215.14)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0424.06

Expiration Date: April 25, 2017
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Wausau Window and Wall Systems, A Division of Apogee Wausau Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 01/22/02 and revised on 04/02/12, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 12-0416.08)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010** and **FBC 5th Edition (2014)**, dated April 10, 2014, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of, conformance and complying with **FBC-2010**, and of no financial interest, dated 04/04/12, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 12-0416.08)
3. Laboratory compliance letter for Test Report No. **QCT11-2310.01**, dated 02/20/12, issued by Quast Consulting & Testing, Inc., signed and sealed by Brian M. Sasman, P.E.
(Submitted under NOA No. 12-0416.08)
4. Laboratory compliance letter for Test Report No. **ATI-06-30280.01**, dated 01/22/02, issued by Architectural Testing, Inc., signed and sealed by Allen N. Reeves, P.E.
(Submitted under NOA No. 02-0215.14)

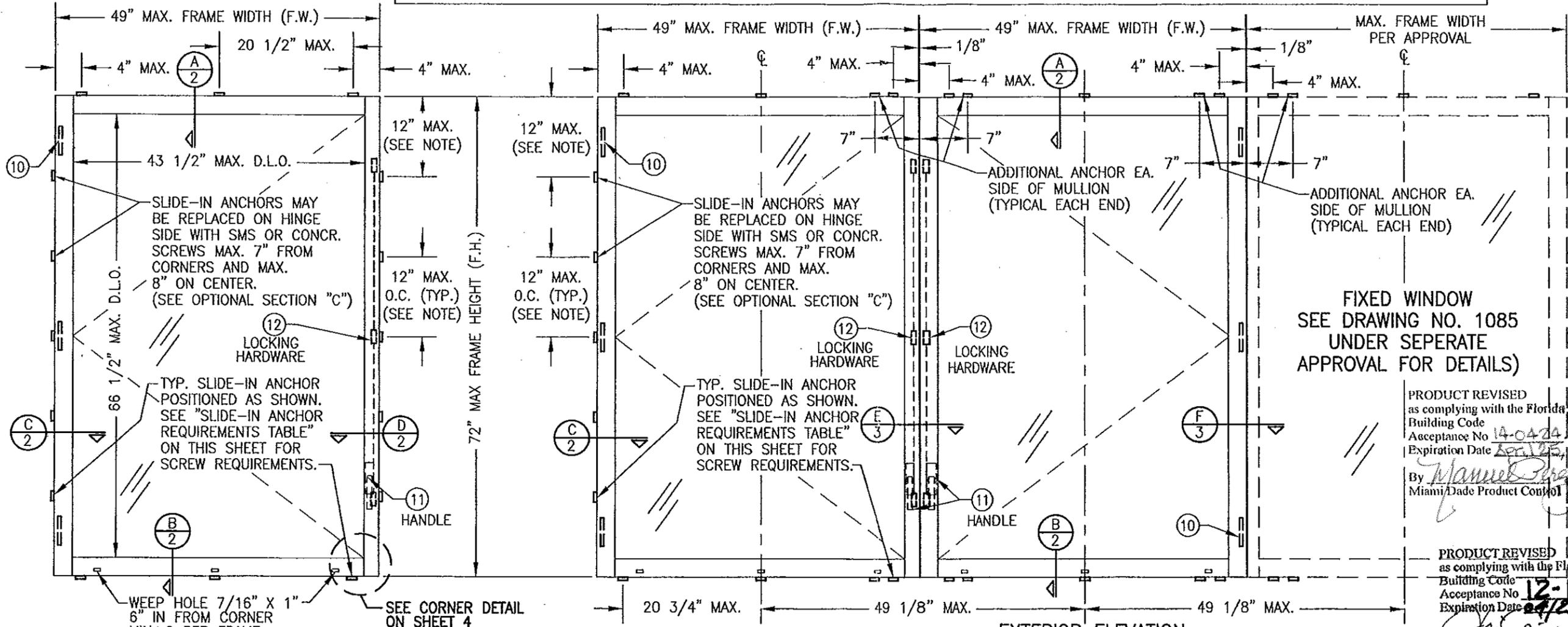
G. OTHERS

1. Notice of Acceptance No. **12-1128.07**, issued to Wausau Window and Wall Systems, A Division of Apogee Wausau Group, Inc. for their Series "**3250 HP**" Inswing Aluminum Casement Window - S.M.I., approved on 02/14/13 and expiring on 04/25/17.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0424.06

Expiration Date: April 25, 2017
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SLIDE-IN ANCHOR SPACING NOTE:
WHEN SLIDE-IN ANCHORS ARE USED, SIDE ANCHOR SPACING MAY BE INCREASED TO 18" MAX. O.C. WHEN REQUIRED PRESSURE IS +/-78 PSF OR LESS.



EXTERIOR ELEVATION
SINGLE OPERABLE CASEMENT WINDOW

SCALE: 3/4"=1'-0"

EXTERIOR ELEVATION
MULTIPLE CASEMENT AND FIXED WINDOWS

(MORE THAN THREE WINDOWS MAY BE COMBINED HORIZONTALLY)
SEE SINGLE CASEMENT WINDOW ELEVATION FOR DETAILS

SCALE: 3/4"=1'-0"

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
100 PSF	120 PSF

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.

SLIDE-IN ANCHOR FASTENER REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	NO. FASTENERS PER ANCHOR INTO SUBSTRATE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	2	1 3/8"	1"
MIN. 16 GA. 33 KSI METAL STUD	1/4" SELF TAP/DRILLING SCREW	2	FULL	1/2"
MIN. 12 GAGE A36 STEEL	1/4" SELF TAP/DRILLING SCREW	2	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	2	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	2	1 3/4"	2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
(2) CMU IS APPLICABLE AT SIDES ONLY.

- GENERAL NOTES:**
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
 2. OPENINGS, BUCKING & 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. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
 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 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR SMALL MISSILE IMPACT WINDOWS.
 5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
 6. WHEN GLAZED FOR SMALL MISSILE IMPACT, THESE WINDOWS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.
 7. ALL 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.
 8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_D = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_D = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
 10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.



DRAWING NO. 1087 SHEET NO. 1 OF 4	REVISIONS: NO. 1: UPDATE GENERAL NOTES TO 2004 NO. 2: CODE COMPLIANT NO. 3: REDUCED FRAME ANCHOR SPACING TO 12" NO. 4: UPDATE FOR CODE COMPLIANCE NO. 5: UPDATE PER CURRENT STANDARDS	DRAWN BY: J.C.F. CHECKED BY: W.W.S. PLOT: 1-16 DATE: 01/25/02 DATE: 08/10/05 DATE: 08/10/05 DATE: 04/19/08 DATE: 05/19/11
DRAWING TITLE: 3250 HP INSWING CASEMENT WINDOW (SMALL MISSILE IMPACT)	MANUFACTURER: WAUSAU WINDOW & WALL SYSTEMS 7800 INTERNATIONAL DRIVE WAUSAU, WI. 54401 715-845-2161	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0474.06 Expiration Date April 25, 2017 By: <i>Manuel P...</i> Miami Dade Product Control
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0416.08 Expiration Date 04/25/2017 By: <i>Manuel P...</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-1129.07 Expiration Date 04/25/2017 By: <i>Manuel P...</i> Miami Dade Product Control

DRAWN BY:	J.C.F.	CHECKED BY:	W.M.S.
PLOT:	1=2	DATE:	01/25/02
NO.		REVISION DESCRIPTION	
DATE		BY	

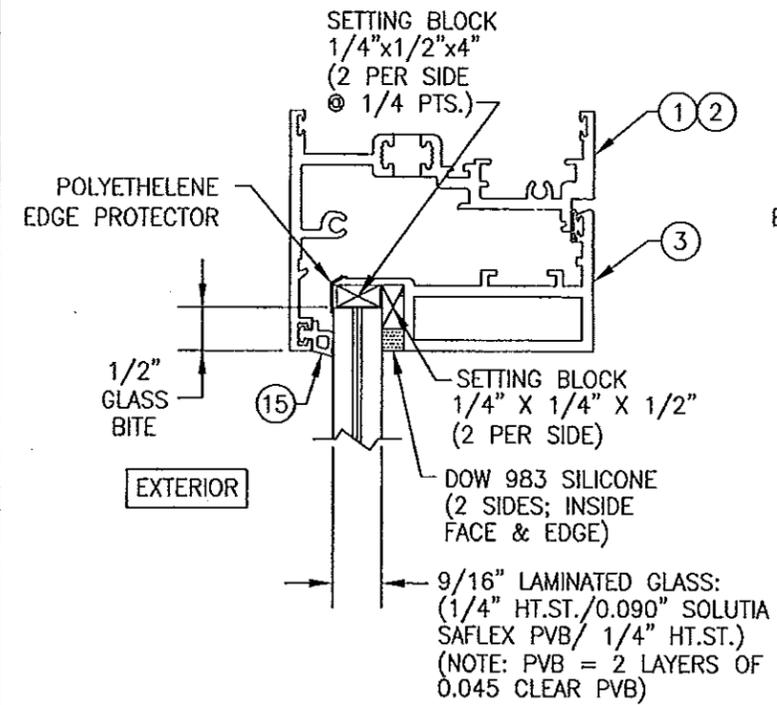
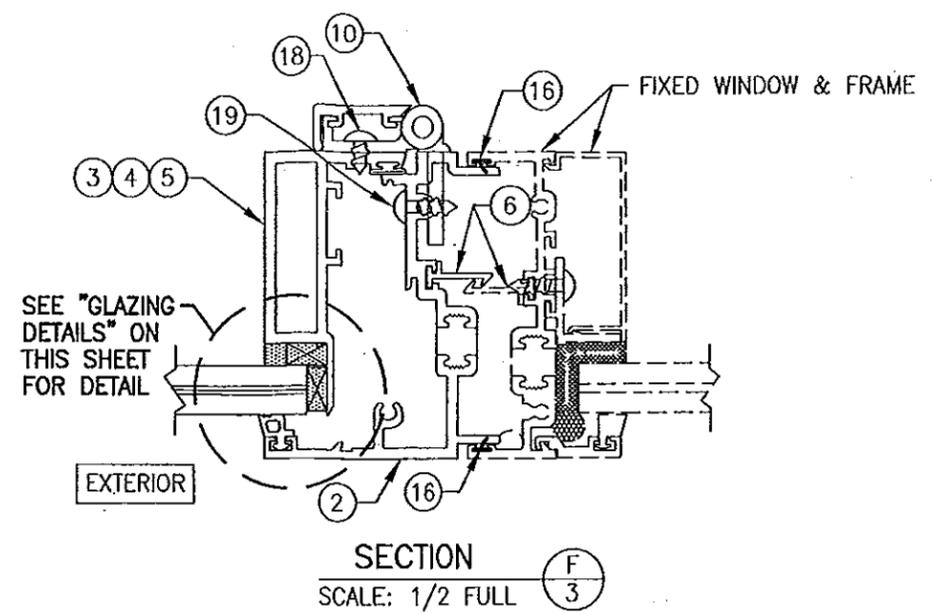
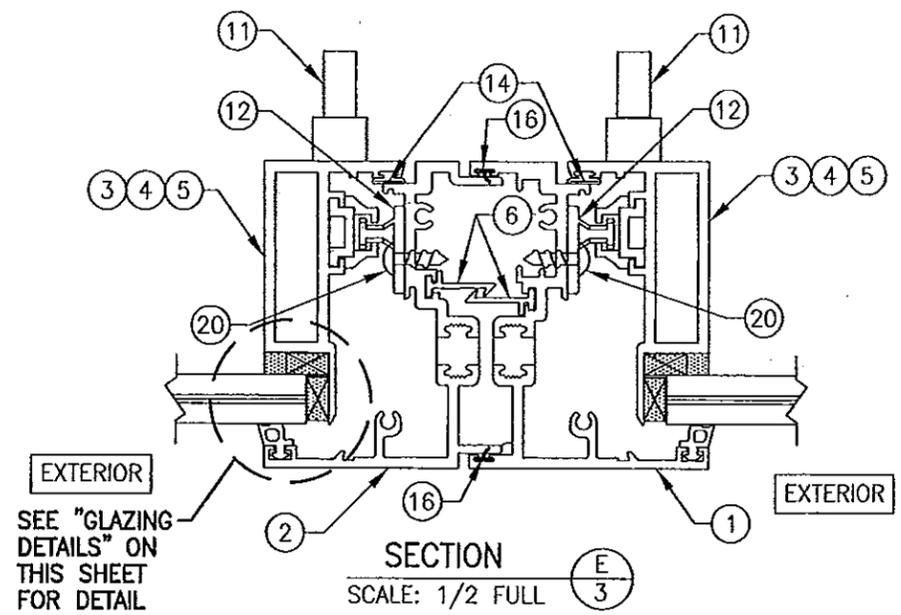
DRAWING TITLE: 3250 HP INSWING CASEMENT WINDOW (SMALL MISSILE IMPACT)

MANUFACTURER: WAUSAU WINDOW & WALL SYSTEMS
7800 INTERNATIONAL DRIVE
WAUSAU, WI. 54401
715-845-2161

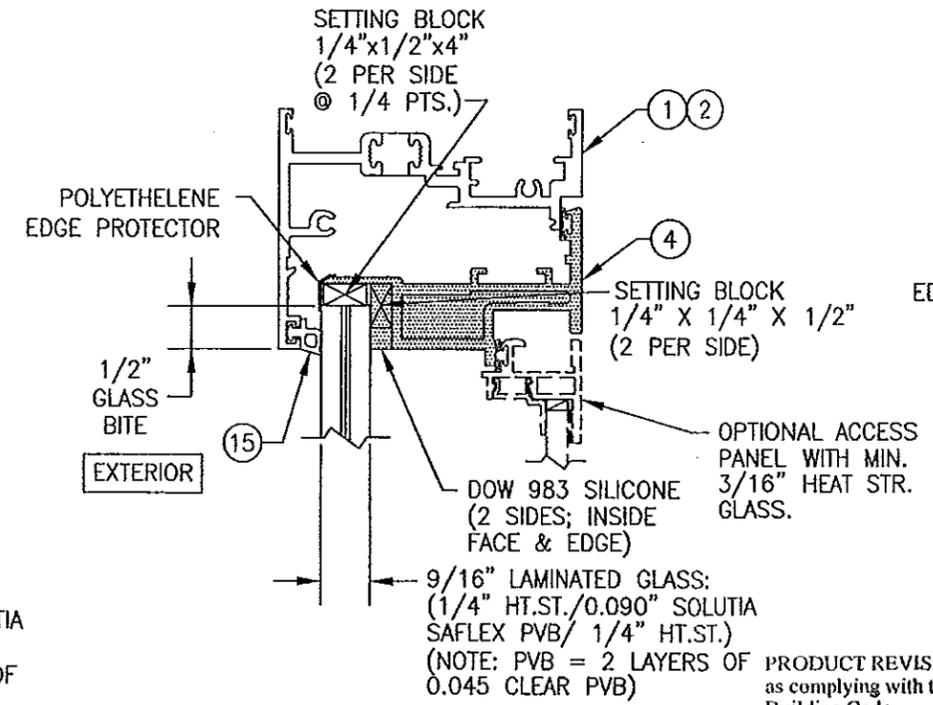
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, SUITE 118
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION: JUN 05 2012
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	1087	REV.	C
SHEET NO.	3	OF	4



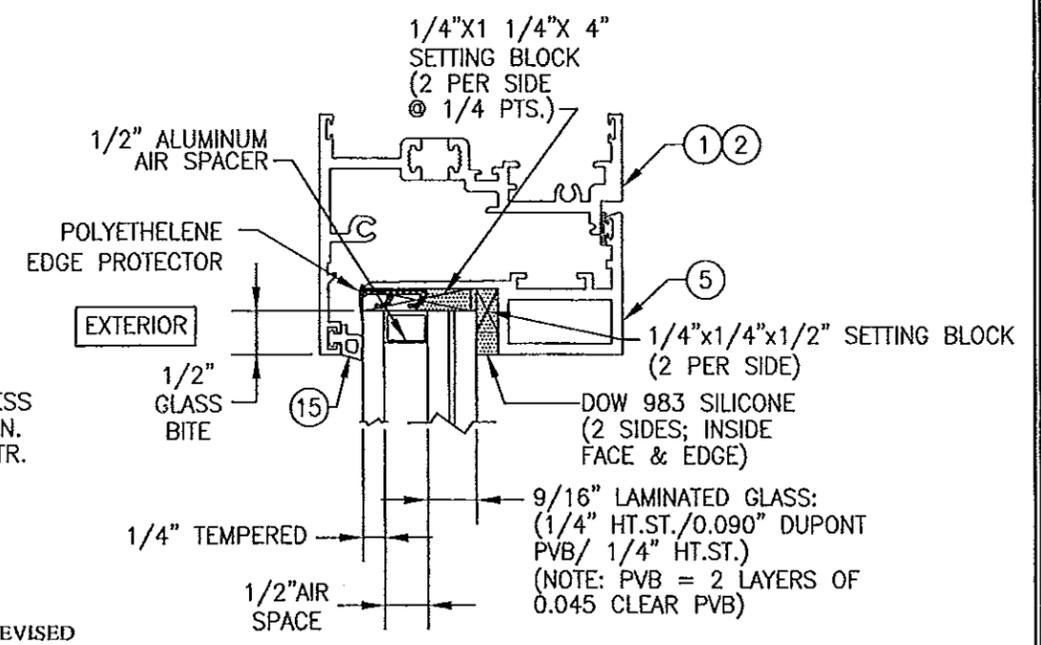
GLAZING DETAIL (OPTION 1)



GLAZING DETAIL (OPTION 2)

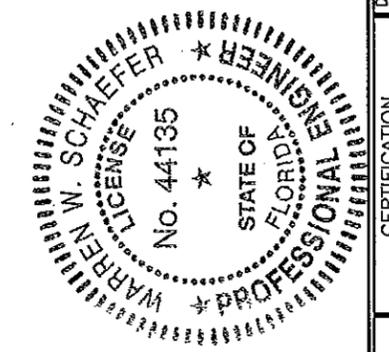
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 14-0424.06
Expiration Date April 25, 2017
By Manuel Perez
Miami Dade Product Control

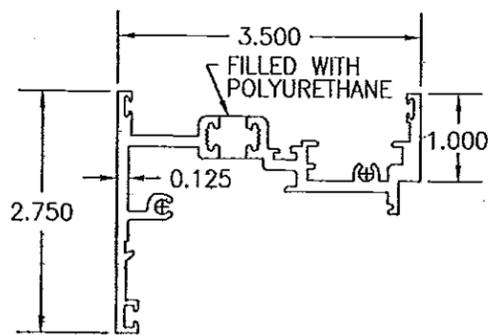
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-1128.07
Expiration Date 04/25/2017
By [Signature]
Miami Dade Product Control



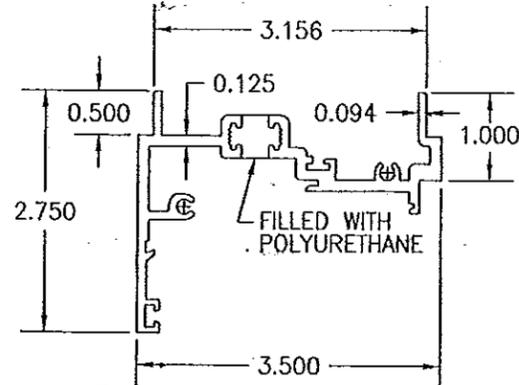
GLAZING DETAIL (OPTION 3)

PRODUCT REVISED as complying with the Florida Building Code
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Expiration Date 04/25/2017
By [Signature]
Miami Dade Product Control

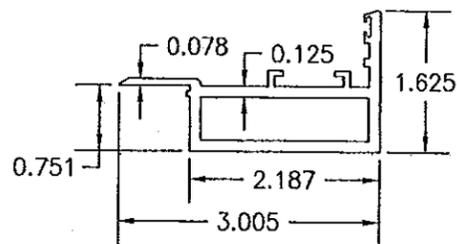




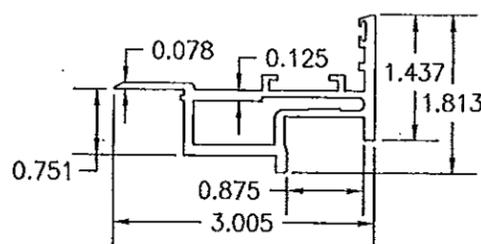
① MAIN FRAME JAMB



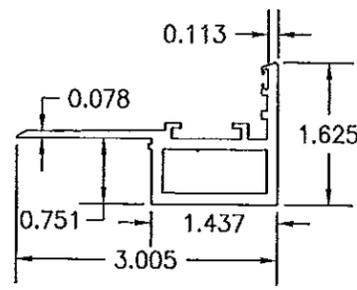
② MULLION FRAME JAMB



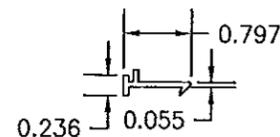
③ SASH



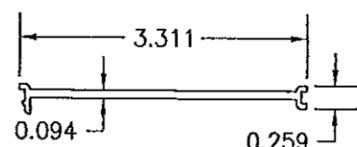
④ SASH



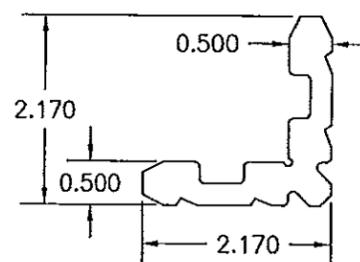
⑤ SASH



⑥ EXPANSION CLIP 18" LONG



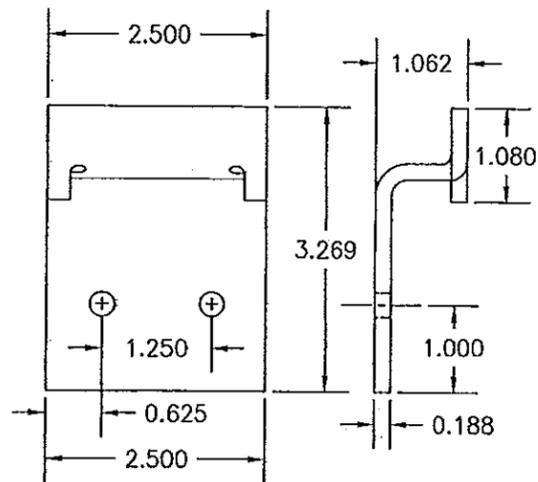
⑨ CAULK BACKER



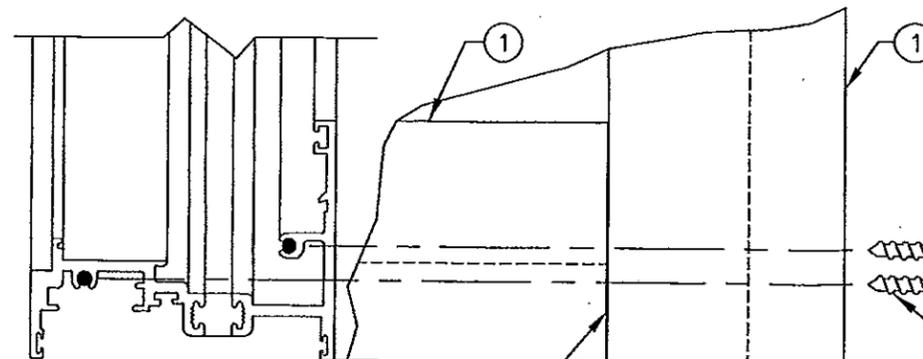
②①C ②①B ②①A CORNER KEY

21A = 1.94"
21B = 0.94"
21C = 1.19"

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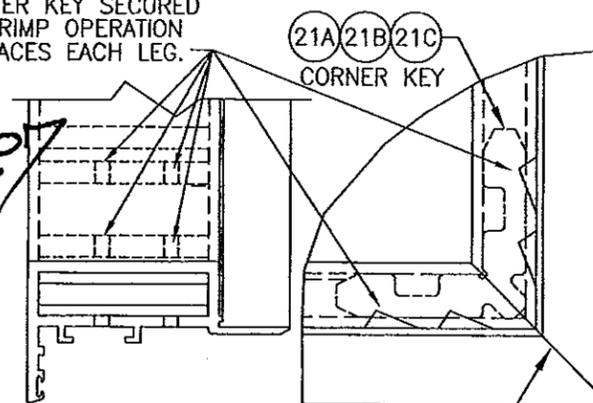
⑦ SLIDE-IN ANCHOR



SCHNEE-MOREHEAD SEALANT #SM5504
AT EXTERIOR PORTION OF JOINT
BETWEEN FRAME MEMBERS.

FRAME CORNER DETAIL
SCALE: 1/2 FULL, OUTSIDE VIEW

CORNER KEY SECURED
BY CRIMP OPERATION
4 PLACES EACH LEG.



SASH CORNER DETAIL
SCALE: 1/2 FULL, OUTSIDE VIEW

SCHNEE-MOREHEAD SEALANT #SM5504
AT EXTERIOR PORTION OF JOINT
BETWEEN SASH MEMBERS.

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By [Signature]
Miami Dade Product Control

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	313058	MAIN FRAME JAMB	6063-T6 ALUMINUM
2	313049	MULLION FRAME JAMB (MALE)	6063-T6 ALUMINUM
3	313045	SASH (USED WITH GLAZING OPTION 1)	6063-T6 ALUMINUM
4	313043	SASH (USED WITH GLAZING OPTION 2)	6063-T6 ALUMINUM
5	313041	SASH (USED WITH GLAZING OPTION 3)	6063-T6 ALUMINUM
6	907290	EXPANSION CLIP 18" LONG AT MULL MDSPAN	6063-T6 ALUMINUM
7	134790	SLIDE-IN ANCHOR	7 GA. ZINC PLATED STEEL
8	189582	WEEP HOLE BAFFLE	6063-T6 ALUMINUM
9	445	CAULK BACKER	PVC (FULL LENGTH OF JAMB)
HARDWARE			
10	101594	BUTT HINGE	6063-T6 ALUMINUM
11	106623	HANDLE AS REQ'D TO OPERATE LOCK SYSTEM	ALUMINUM
12	107110	3-POINT LOCK/STRIKE PACKAGE	MELRON; 304 S.S.
13	3V 100203	LIMIT OPENING DEVICE	ANDERBERG/FA-220SS 18-8 S.S.
SEALS & SEALANTS			
14	9989	BULB GASKET	ULTRA FAB; THERMO PLASTIC
15	6676	SOLID GLAZING GASKET	TREMCO; SILICONE
16	9680	WEATHER STRIP	CLIM-TECH.; RIGID PVC ALCRYN
FASTENERS			
17	-	#6 X 3/8" S.S. PH SMS	1 PER WEEP HOLE BAFFLE
18	-	#10-32 X 3/8" S.S. PH SCREW	3 PER HINGE INTO SASH
19	-	#10-32 X 5/8" S.S. PH SCREW	3 PER HINGE THROUGH JAMB
20	-	#10-32 X 5/8" S.S. PH SCREW	2 PER STRIKE INTO JAMB
21A	188411	SASH CORNER KEY (USE WITH SASH ITEM 3)	6063-T6 ALUMINUM
21B	188318	SASH CORNER KEY (USE WITH SASH ITEM 4)	6063-T6 ALUMINUM
21C	189192	SASH CORNER KEY (USE WITH SASH ITEM 5)	6063-T6 ALUMINUM
22	-	#10-32 X 3/8" S.S. PH SCREW	2 PER LIMIT DEVICE INTO FRAME
23	-	#10-32 X 5/8" S.S. PH SCREW	2 PER LIMIT DEVICE INTO SASH

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 01/25/02
DATE	BY
REVISION DESCRIPTION	NO.

DRAWING TITLE
3250 HP INSWING CASEMENT WINDOW (SMALL MISSILE IMPACT)

MANUFACTURER
WAUSAU WINDOW & WALL SYSTEMS
7800 INTERNATIONAL DRIVE
WAUSAU, WI. 54401
715-845-2161

CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, 33418
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424



CERTIFICATION	JUN 05 2012 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1087
REV.	C
SHEET NO.	4 OF 4