



**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)

**Air Master Awning, Inc.
P.O. Box 2097
Barceloneta, Puerto Rico 00617**

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 Continental Line Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **1083**, titled "Outswing Casement Impact Window (Continental Line)", sheets 1 through 2 of 2, dated 12/28/01, with revision "A" dated 07/25/05, 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 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

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 # **02-0514.01** 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 **Herminio F. Gonzalez, P.E., Director, BCCO**



MH
4/18/2005

NOA No 05-0809.01

Expiration Date: October 24, 2007

Approval Date: December 08, 2005

Page 1

Air Master Awning, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **1083**, titled "Outswing Casement Impact Window (Continental Line)", sheets 1 through 2 of 2, dated 12/28/01, with revision "A" dated 07/25/05, prepared by W.W. Schaefer Engineering & Consulting, P.A., 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 203-94along with marked-up drawings and installation diagram of a outswing casement window, prepared by Hurricane Test Laboratory, Inc. Test Report No. HTL 0263-0317.01, dated 3/15/01, signed and sealed by Vinu J. Abraham, P.E.
"Submitted under NOA# 02-0514.01"

C. CALCULATIONS

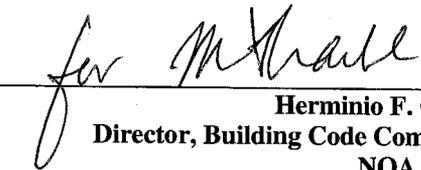
1. Revised Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 9/29/05, signed and sealed by Warren Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0421.02** issued to Solutia Inc. for their "Saflex IIIIG Based Interlayer for Laminated Glass" dated 05/17/01, expiring on 05/21/06.

E. STATEMENTS

1. Statement letter of conformance, dated 3/6/02, signed and sealed by Warren Schaefer, P.E.
"Submitted under NOA# 02-0514.01"
2. Statement letter of no financial interest, dated 3/6/02, signed and sealed by Warren Schaefer, P.E.
"Submitted under NOA# 02-0514.01"
3. Laboratory compliance letter for Test Report no. HTL 0263-0317.01, issued by Hurricane Test Laboratory, Inc., dated 5/6/02, signed and sealed by Barry D. Portnoy, P.E.
"Submitted under NOA# 02-0514.01"

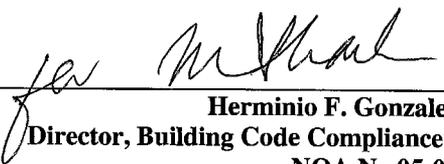


Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0809.01
Expiration Date: October 24, 2007
Approval Date: December 08, 2005

Air Master Awning, Inc.

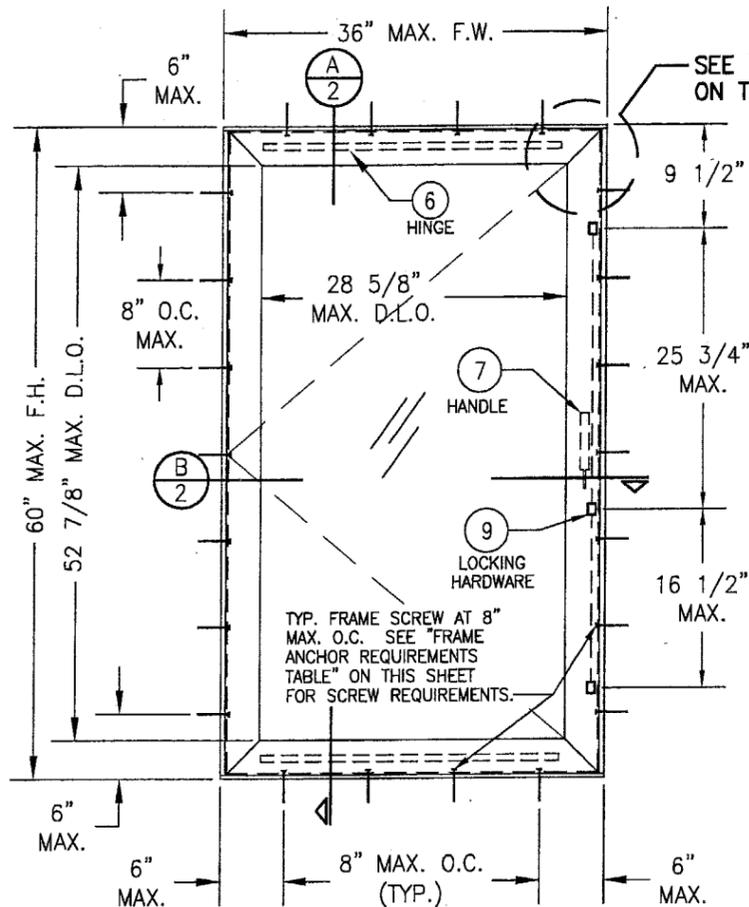
G. OTHER

1. Letter from the consultant, dated 10/20/05, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **02-0514.01**, issued to Air Master Awning, Inc., for their "Series "Continental Line" Outswing Aluminum Casement Window", approved on 10/24/02 and expiring on 10/24/07.



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0809.01

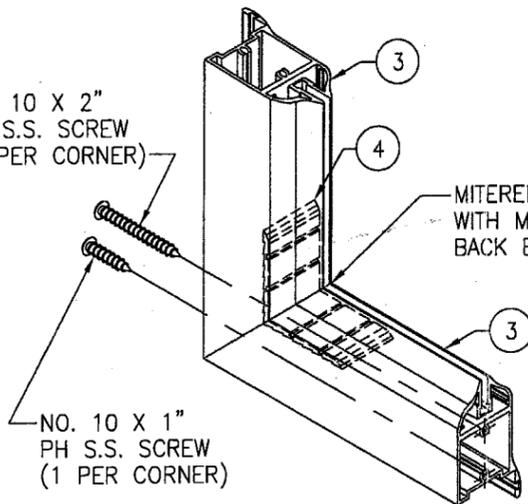
Expiration Date: October 24, 2007
Approval Date: December 08, 2005



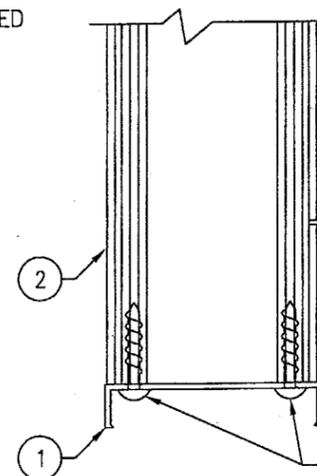
**EXTERIOR ELEVATION
SINGLE VENTED CASEMENT**
SCALE: 3/4"=1'-0"

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
70 PSF	70 PSF

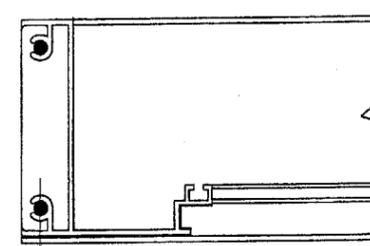
NO. 10 X 2"
PH S.S. SCREW
(1 PER CORNER)



SASH CORNER DETAIL



FRAME CORNER DETAIL



SEAL JOINT (ALL
MEETING SURFACES)
WITH BOSS 315
RTV SILICONE

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 F.B.C. 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) INCLUDING HVHZ (HIGH VELOCITY HURRICANE ZONES).
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			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 12 SMS SCREW	1 1/4"	1"
CMU/CONCRETE	(1) 1/4" CONCRETE SCREWS	1 1/4"	2"

(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: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A P.T. CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 12 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

LOCK REQUIREMENTS	
WINDOW HEIGHT	NUMBER OF LOCK POINTS REQUIRED
43 5/8" TO 72"	3
43 1/2" OR LESS	2

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 05-0809.01
Expiration Date 10/24/07
By *[Signature]*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 12/28/01
DATE 07/25/05	BY WWS
REVISION DESCRIPTION GENERAL NOTE 4 & 5 FOR 2004 CODE COMPLIANCE	
NO. A1	

DRAWING TITLE: **OUTSWING CASEMENT IMPACT WINDOW (CONTINENTAL LINE)**

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

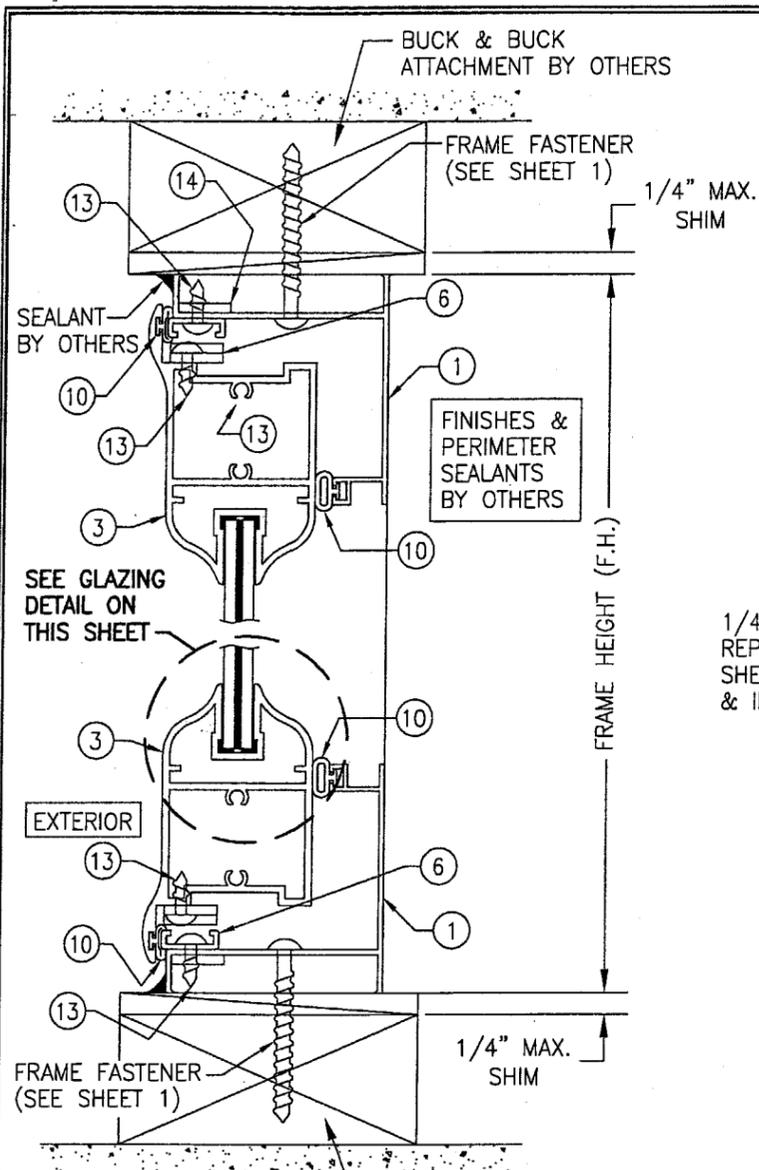
MANUFACTURER
AIR MASTER AWNING
CARR. #2 INTERIOR, KM. 56.7
BARCELONETA, P.R. 00617
787-846-2110

CERTIFICATION
SEP 29 2005
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

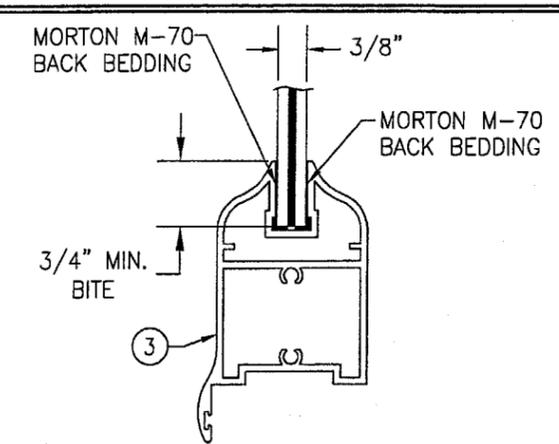
DRAWING NO.
1083

REV.
A

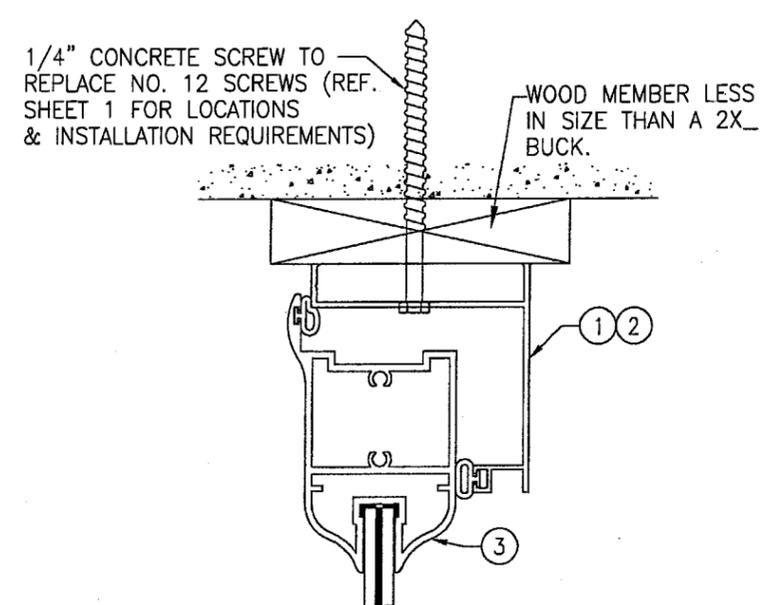
SHEET NO.
1 OF 2



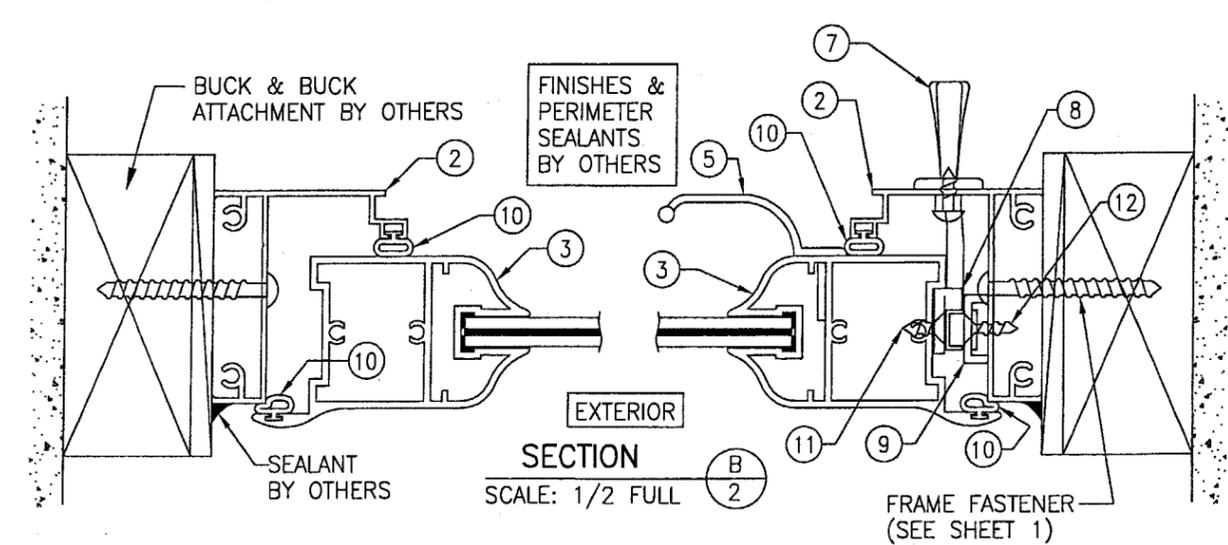
SECTION A
SCALE: 1/2 FULL



GLAZING DETAIL
3/8" SOLUTIA SAFLEX LAMINATED GLASS
(1/8" HT. ST./0.09 PVB/1/8" HT. ST.)

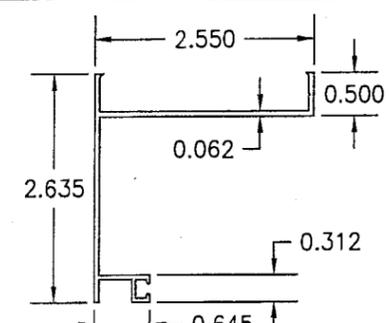


DIRECT MOUNT DETAIL
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
SEE SECTIONS FOR DETAIL NOT SHOWN

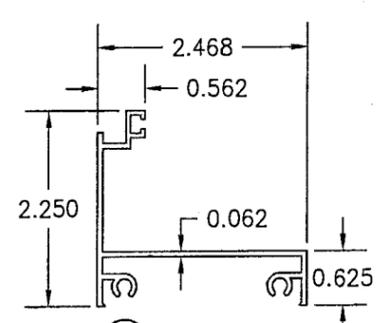


SECTION B
SCALE: 1/2 FULL

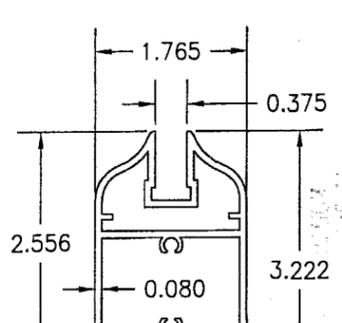
ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	3819	HEAD & SILL JAMB	6063-T5 ALUMINUM
2	3818	SIDE JAMB	6063-T5 ALUMINUM
3	3985	SASH	6063-T5 ALUMINUM
4	3845	SASH CORNER KEY	6063-T5 ALUMINUM
5	3835	SASH HANDLE	6063-T5 ALUMINUM
HARDWARE			
6	-	S.S. 4-BAR FRICTION HINGE	ANDERBERG 401 SERIES
7	-	LOCKING HANDLE	AS REQUIRED TO OPERATE LOCKS
8	-	LOCK KEEPERS (LOCK PIN PLATES)	HARDWARE TECH #RZ5388
9	-	LOCKS	HARDWARE TECH #ATKB14
SEALS & SEALANTS			
10	223	VINYL FRAME WEATHERSTRIP (ALL SIDES)	SOUTHERN PLASTICS BULB SEAL
MISCELLANEOUS FASTENERS			
11	-	NO. 10-32 X 3/4" PH S.S. SCREW	2 PER KEEPER
12	-	NO. 6 X 5/8" FH S.S. SCREW	QTY AS REQ'D FOR LOCK BAR LENGTH
13	-	#10 SLOTTED OR #8 P.H. X 1/2" S.S. SMS	6 TOTAL PER HINGE
14	-	5/8" X 0.11" CONT. HINGE BACKER BAR	6063-T5 ALUMINUM



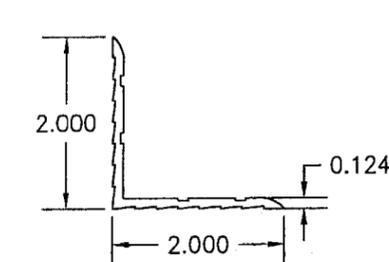
① HEAD & SILL JAMB



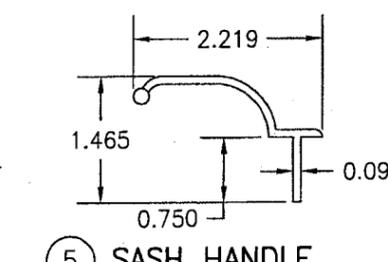
② SIDE JAMB



③ SASH



④ SASH CORNER KEY



⑤ SASH HANDLE

HANDLE IS NON-STRUCTURAL & MAY BE SUBSTITUTED WITH SIMILAR

DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	12/28/01
DATE			
BY			
REVISION DESCRIPTION			
NO.			

DRAWING TITLE: OUTSWING CASEMENT IMPACT WINDOW (CONTINENTAL LINE)
 MANUFACTURER: AIR MASTER AWNING
 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
 P.E. NO. 44135

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No 05-0809.01
 Expiration Date 10/24/07
 By: *[Signature]*
 Miami Dade Product Control
 Division

CERTIFICATION	SEP 29 2005	P.E.
DRAWING NO.	1083	REV. A
SHEET NO.	2	OF 2