



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Arso Enterprises d/b/a Sol- A -Trol Aluminum Produ
4101 NW 132nd Street
Miami ,FL 33054

Your application for Notice of Acceptance (NOA) of:

Single Hung w/Louvers"540-S Series Alum.Dual Action Window-Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-1109.01
EXPIRES: 11/12/2006

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 01/31/2002

APPROVED: January 31, 2002

EXPIRES: November 12, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. **98-0303.08**, which was issued on November 12, 1998. It renews the approval of an aluminum dual action window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **"540-S Single Hung with Louvers"** Aluminum Dual Action Window - Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No **1791**, Sheets 1, 1A, 2, and 3 of 4,, titled Aluminum Single Hung with Louvers," prepared by manufacturer, dated 8/12/98, revised on 09/28/98, signed and sealed by Wm. M. Meyers, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications and side-by-side installations, as shown in approved drawings.

4. INSTALLATION

4.1 The aluminum dual action window and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

5. LABELING

5.1 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".

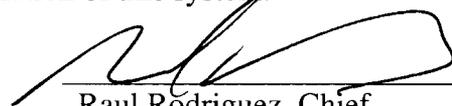
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Raul Rodríguez, Chief
Product Control Division

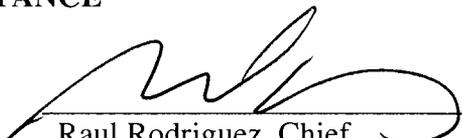
APPROVED: January 31, 2002

EXPIRES: November 12, 2006

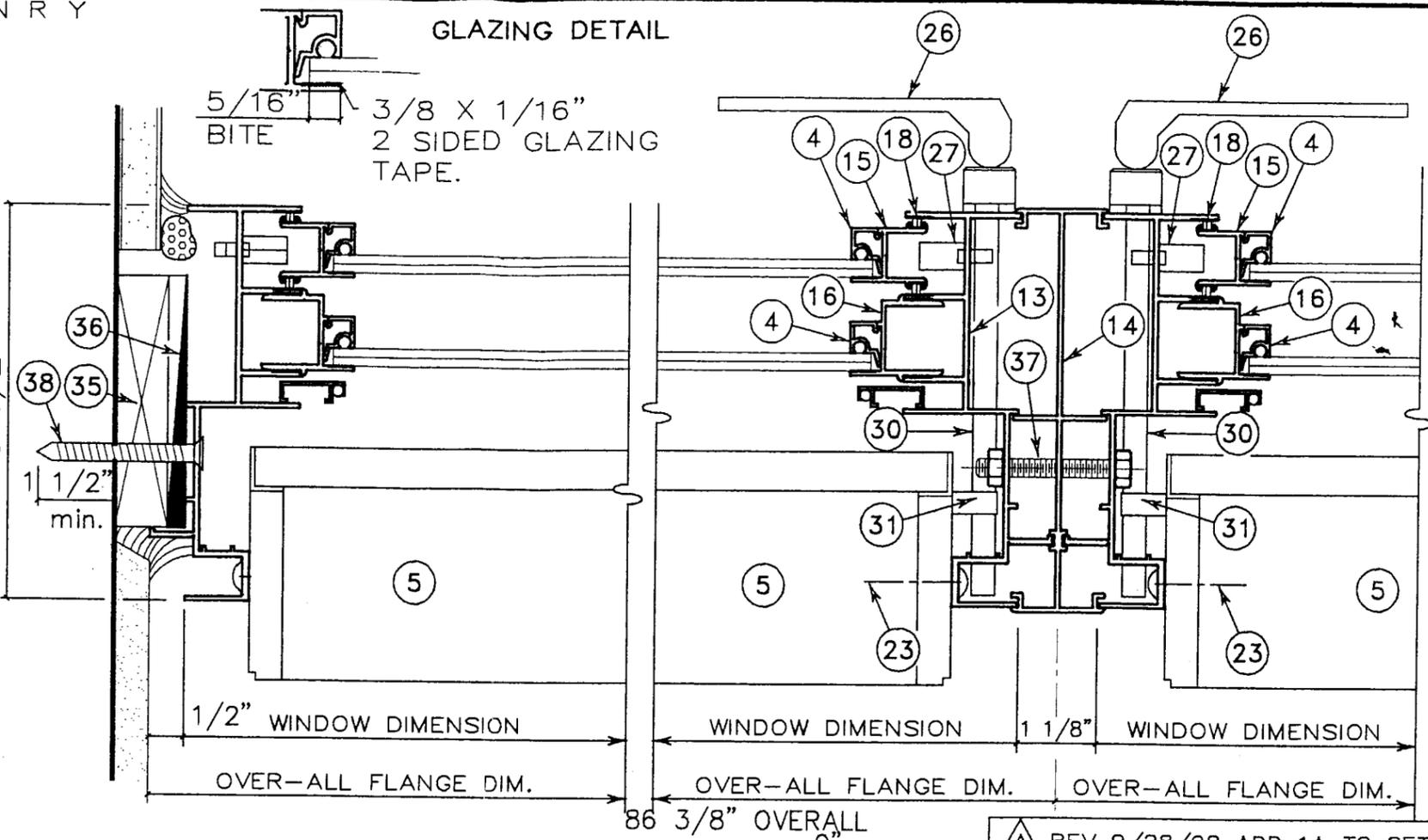
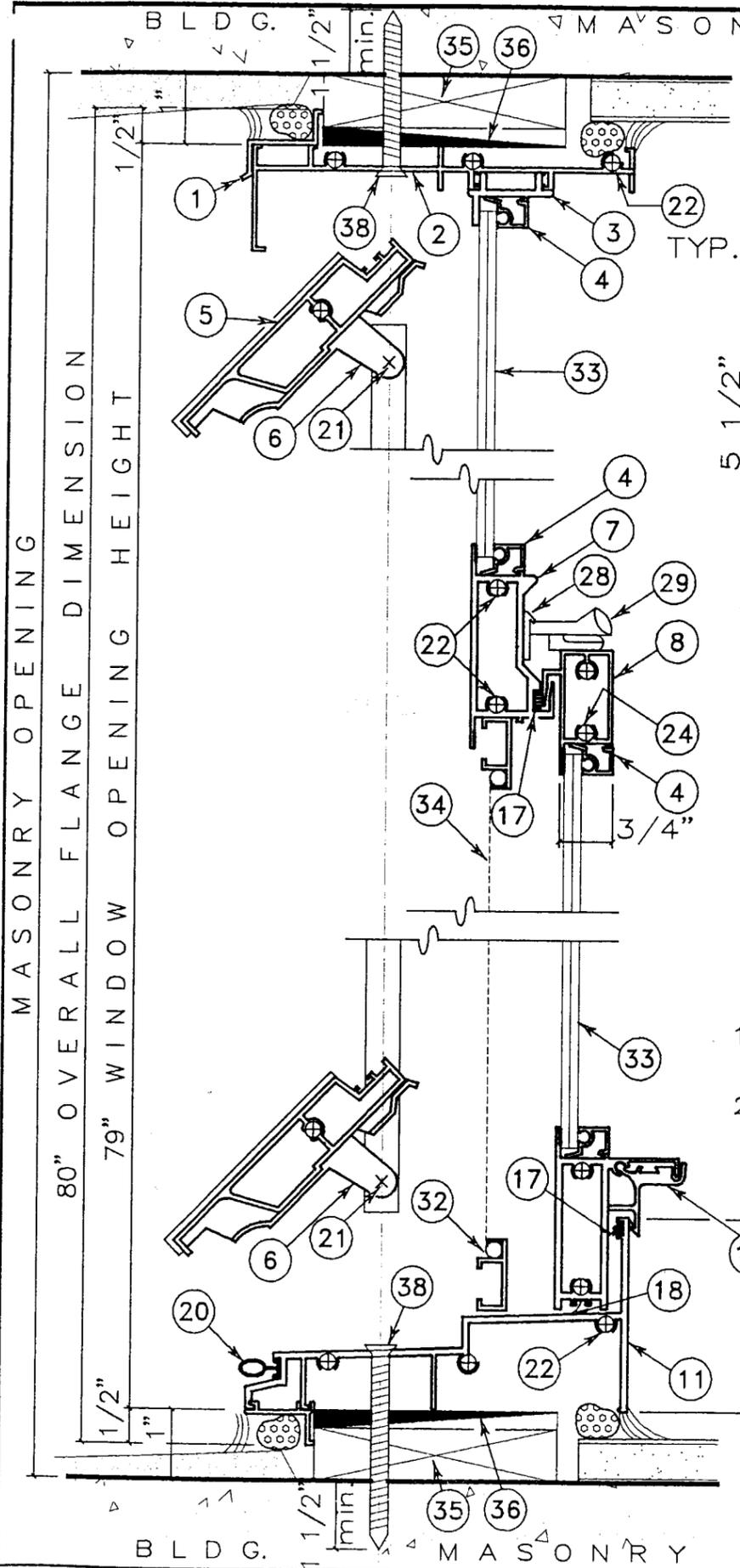
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



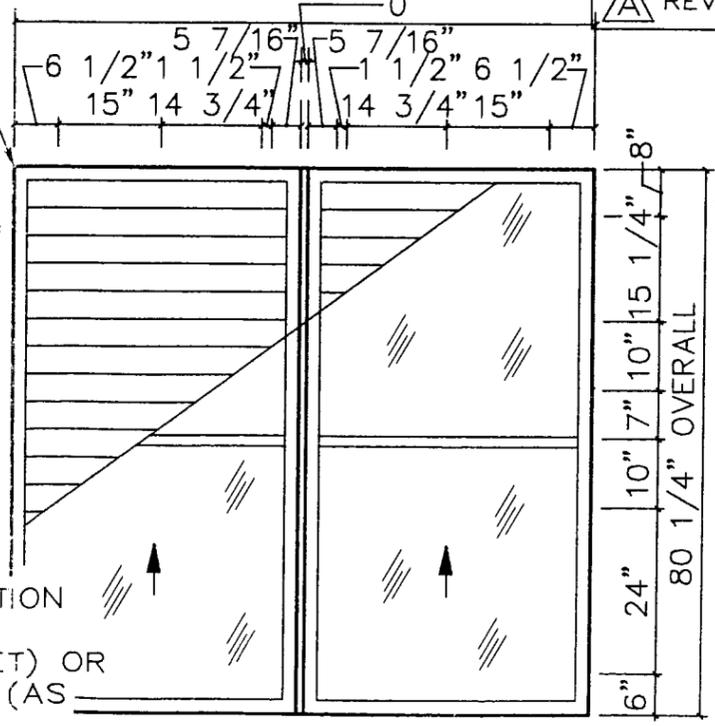
Raul Rodriguez, Chief
Product Control Division



CORNER SEALANT (TYP)
 (39)

- GENERAL NOTES:**
- 1) DESIGN PRESSURE RATING = ± 70 P.S.F
 - 2) HURICANE PROTECTION SYSTEMS (SHUTTERS) ARE NOT REQUIRED.

SCREW LOCATION SHOWN IS TYPICAL FOR INSTALLATION EITHER INTO WOOD BUCKS (AS SHOWN ON THIS SHEET) OR DIRECTLY INTO CONCRETE (AS SHOWN ON SHEET 1A)



ALUMINUM SINGLE HUNG W/ LOUVERS
 SCALE: 1" = 1'-0"

REV 9/28/98 ADD 1A TO SET

PRODUCT RENEWED
 ACCEPTANCE No. 01-1109.01
 EXPIRATION DATE November 12/00
 By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

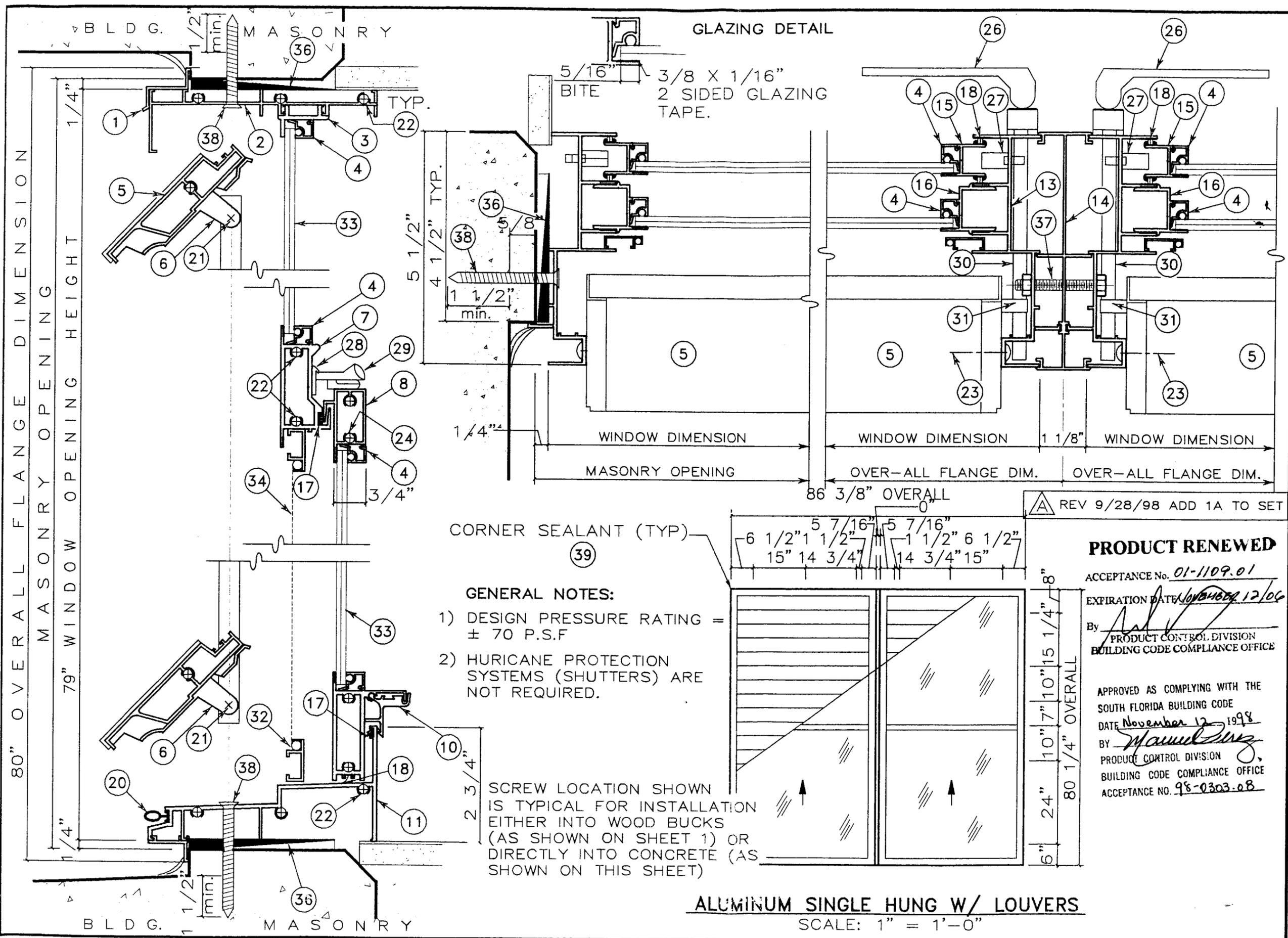
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE November 12, 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0303-08

SOL-A-TROL aluminum products
 4101 N.W. 132nd Street
 Miami, Florida 33054
 Phone: (305) 681-2020
 Fax: (305) 681-2035

ALUMINUM SINGLE HUNG WITH LOUVERS
 - Product Approval Submittal Drawings -

PLOT SCALE: 1" = 1'
 DWG FILE: SOL1-1.DWG
 CH BY: Don Miller
 DATE: Aug. 12, 1998
 DWG. NO. 1791
 1 of 4

ROBT. E. FISHER
 WM. M. MEYERS P.E.
 Consulting Engineers
 9301 N.E. 6th Ave. C-300
 Miami Shores, FL 33138
 (305) 758-3117 557-4006 362-444



80" OVERALL FLANGE DIMENSION

79" WINDOW OPENING HEIGHT

MASONRY OPENING

GLAZING DETAIL

5/16" BITE
3/8 X 1/16"
2 SIDED GLAZING TAPE.

CORNER SEALANT (TYP)

GENERAL NOTES:

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- 2) HURICANE PROTECTION SYSTEMS (SHUTTERS) ARE NOT REQUIRED.

SCREW LOCATION SHOWN IS TYPICAL FOR INSTALLATION EITHER INTO WOOD BUCKS (AS SHOWN ON SHEET 1) OR DIRECTLY INTO CONCRETE (AS SHOWN ON THIS SHEET)

ALUMINUM SINGLE HUNG W/ LOUVERS

SCALE: 1" = 1'-0"

REV 9/28/98 ADD 1A TO SET

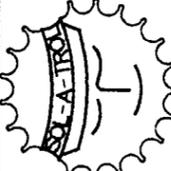
PRODUCT RENEWED

ACCEPTANCE No. 01-1109.01
EXPIRATION DATE ~~NOVEMBER 12/06~~ 12/06
By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 12, 1998
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0303-08

18755 Street, 10/9/99

SOL-A-TROL
aluminum products
4101 N.W. 132nd Street
Miami, Florida 33054
Phone: (305) 681-2020
Fax: (305) 681-2035



ALUMINUM SINGLE HUNG WITH LOUVERS
- Product Approval Submittal Drawings -

PLOT SCALE: 1" = 1'-0"
DWG FILE: SOL1-1A.DWG
CH BY: Don Miller
DATE: Aug. 12, 1998

DWG. NO. 1791
1A of 4

ROBT. E. FISHER
WM. M. MEYERS P.E.
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9301 N.E. 6th Ave. C-300
Miami Shores, FL 33138
(305) 758-3117 557-4006 362-6282

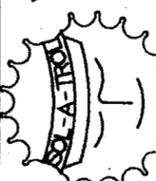
BILL OF MATERIALS FOR ALUMINUM SINGLE HUNG WITH LOUVERS

REV 9/28/98 ADD 1A TO SET

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	MFGR	MFGR #	QTY/WNDO
①	ARSO 8	DRIP CAP	6063-T5 ALUM			1
②	ARSO 3	HEAD	6063-T5 ALUM			1
③	ARSO 43	HEAD FILLER	6063-T5 ALUM			1
④	ARSO 44	GLAZING BEAD	6063-T5 ALUM			8
⑤	ARSO 69	4" LOUVER BLADE	6063-T5 ALUM			VARIES
⑥	393-R	LOUVER CLIP	3003 ALUM			VARIES
⑦	ARSO 40	MEETING RAIL	6063-T5 ALUM			1
⑧	ARSO 1	LOWER MEETING RAIL	6063-T5 ALUM			1
⑨	ARSO 41	BOTTOM RAIL	6063-T5 ALUM			1
⑩	ARSO 45	BOTTOM RAIL LOCK X 3"	6063-T5 ALUM	TREDEGAR	ARSO 45	2
⑪	ARSO 46	SILL	6063-T5 ALUM			1
⑫	ARSO 7	SNAP FLANGE	6063-T5 ALUM			1
⑬	ARSO 2	JAMB	6063-T5 ALUM			2
⑭	ARSO 6	MULLION	6063-T5 ALUM			1
⑮	ARSO 13	STILE	6063-T5 ALUM			2
⑯	ARSO 42	JAMB FILLER	6063-T5 ALUM			2
⑰	187	SINGLE FIN WEATHERSTRIPPING (3/16 base, 210 pile height)	POLYPROPYLENE	SCHLEGEL MFG.	# 210187 GYWF	
⑱	187-R	VINYL WEATHERSTRIPPING	P.V.C	BVC	# 150	
⑲	FR-150	VINYL WEATHERSTRIPPING	P.V.C	PROTOTYPE	# 326-FP-150B	

Mr. Meyer
STRUCT.
9/29/98
17755

SOL-A-TROL
aluminum products
4101 N.W. 132nd Street
Miami, Florida 33054
Phone: (305) 881-2020
Fax: (305) 881-2035



ALUMINUM SINGLE HUNG WITH LOUVERS
Product Approval Submittal Drawings -

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 12, 1998
BY Mauro Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0303-08

PRODUCT RENEWAL
ACCEPTANCE No. 01-1109-01
EXPIRATION DATE November 12, 2001
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PLOT SCALE: 1" = 1'
ASDWG FILE: SOL1-2.DWG
CH BY: Don Miller
DATE: Aug. 12, 1998
DWG. NO. 1791
2 of 4

ROBT. E. FISHER
WM. M. MEYERS P.E.
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9301 N.E. 6th Ave. C-300
Miami Shores, FL 33138
(305) 758-3117 557-4006 362-6282

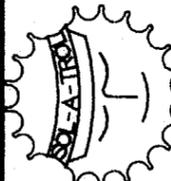
BILL OF MATERIALS FOR ALUMINUM SINGLE HUNG WITH LOUVERS

REV 9/28/98 ADD 1A TO SET

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	MFGR	MFGR #	QTY/WNDO
20	FP-86-S	VINYL BULB (3/16 base, 9/32 dia. bulb)	P.V.C	PROTOTYPE	# FP-86-S	
21	182	TUBULAR RIVET (.182 X .281 OHSI AP)	ALUM	UNIVERSIAL RIVET	# 119X0281AP	
22	10-A	#10 X 1" ST. STEEL PAN HEADSCREW	18-8 ST. STEEL			14
23	10-B	#10 X 1 1/4 ST. STEEL PAN HEAD W/ PLASTIC WASHER	18-8 ST. STEEL			
24	10-C	#10 X 2" ST. STEEL PAN HEAD SCREW	18-8 ST. STEEL			8
25	10-D	#10 X 3/4 ST. STEEL PAN HEAD SCREW	18-8 ST. STEEL			
26	149-003	LOUVER HANDLE		THE BRONZE CRAFT	# 149-003	VARIES
27	37-40	BLOCK & TACKLE SASH BALANCE		JW WINDOW COMP.	# 092602	2
28	204-002	KEEPER		THE BRONZE CRAFT	# 204-002-0122	1
29	290-001	SWEEP LOCK		THE BRONZE CRAFT	# 290-001-0122	1
30	313	5/16 HEX ROD	2024-T4 ALUM	BENJAMIN METALS	QQA-225/6E	
31	1580	SPOOL ARM		LIBERTY DIE CASTING		
32	ARSO 30	SCREEN FRAME				
33	-	1/4" TEMPERED GLAZING				
34	-	INSECT SCREEN		SCREEN TECH	# 36CH600	
35	-	1" X 4" P.T. WOOD BUCK				
36	-	1/4" SHIM (THK. X 1 7/8" X 3 5/8" WITH SLOT)	ABS	FALMOUTH PLASTIC & RUBBER	#	
37	-	1/4 - 20 X 2" MACHINE SCREW WITH NUT	18-8 ST. STEEL			
38	-	1/4 Dia. TAPCON (Length Varies - 1 1/2" Embed Min. Into Structural Elements)				
39		SMALL JOINT SEALER		H.B. FULLER		

Handwritten:
5/20/97
9/29/97
18755

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ALUMINUM SINGLE HUNG WITH LOUVERS
Product Approval Submittal Drawings -

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 12 1998
BY Manuel
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0303-08

PRODUCT RENEWED
ACCEPTANCE No. 01-1109-01
EXPIRATION DATE 12/06
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PLOT SCALE: 1" = 1"
DWG FILE: SOL1-3.DWG
CH BY: Don Miller
DATE: Aug. 12, 1998
DWG. NO. 1791
3 of 4

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