



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

Sol-A-Trol Aluminum Products, Inc.
4101 N.W. 132nd Street
Miami, FL 33054

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 Section 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 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. BORA 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 "3000/3062" Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 10-0920.15, titled "Series 3000/3062 Alum. Out-Swing Casement Window (L.M.I.)", sheets 1 through 11 of 11, dated 08/16/10 with the latest revision dated 12/02/10, prepared by Stanton Engineering, Inc., signed and sealed by Christopher Stanton, 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 Section.

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 **renews and revises** NOA No. 05-0414.02 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

Helmy A. Makar
06/27/2012



NOA No. 10-0920.15
Expiration Date: 11/03/2015
Approval Date: 01/20/2011
Page 1

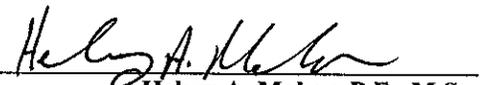
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **10-0920.15**, titled "Series 3000/ 3062 Alum. Out-Swing Casement Window (L.M.I.)", sheets 1 through 11 of 11, dated 08/16/10 with the latest revision dated 12/02/10, prepared by Stanton Engineering, Inc., signed and sealed by Christopher Stanton, 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) Forced Entry Resistant Test, per FBC and TAS 202-94along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-09-2553**, dated 05/04/09, signed and sealed by Candido F. Font, P. E.
2. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering and Testing Inc., Test Reports No.'s **HETI-08-2209A** and **HETI-08-2209B**, dated 11/10/08, signed and sealed by Candido F. Font, P. E.
3. 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) Forced Entry Resistant Test, per FBC and TAS 202-94along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-04-1409** and **HETI-04-1410**, dated 09/28/04 with revision 03/16/05, signed and sealed by Ivonne Ghia, P. E.
(Submitted under previous NOA No.05-0414.02)
4. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering and Testing Inc., Test Report No. **HETI-04-1918D**, dated 09/28/04 with revision 03/16/05, signed and sealed by Ivonne Ghia, P. E.
(Submitted under previous NOA No.05-0414.02)


Helmy A. Makar, P.E., M.S.

BNC Product Control Unit Supervisor
NOA No. 10-0920.15

Expiration Date: 11/03/2015
Approval Date: 01/20/2011

Sol-A-Trol Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. 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 marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-04-1918A, HETI-04-1918C, HETI-04-1918E and HETI-04-1918B**, dated 09/28/04, signed and sealed by Iyonne Ghia, P. E.
(Submitted under previous NOA No.05-0414.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Stanton Engineering, Inc., dated 08/25/10, signed and sealed by Christopher Stanton, P. E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

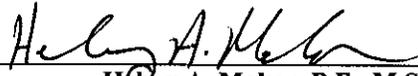
1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **10-0413.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/12.
2. Notice of Acceptance No. **10-0922.09** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.
3. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC 2007, dated August 03, 2010, signed and sealed by Christopher Stanton, P. E.
2. Statement letter of no financial interest, dated August 03, 2010, signed and sealed by Christopher Stanton, P. E.
3. Laboratory addendum letter for Test Reports No.'s **HETI-09-2553, HETI-08-2209A and HETI-08-2209B**, issued by Hurricane Engineering and Testing, Inc., dated December 03, 2010, signed and sealed by Candido F. Font, P. E.
4. Laboratory compliance letter for Test Reports No.'s **HETI-09-2553, HETI-08-2209A and HETI-08-2209B** and May 04, 2009, issued by Hurricane Engineering and Testing, Inc., dated November 10, 2008, all signed and sealed by Candido F. Font, P. E.


Henry A. Makar, P.E., M.S.
BNC Product Control Unit Supervisor
NOA No. 10-0920.15
Expiration Date: 11/03/2015
Approval Date: 01/20/2011

Sol-A-Trol Aluminum Products, Inc.

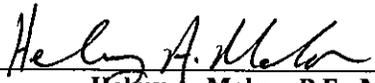
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

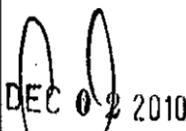
5. Laboratory compliance letters for Test Reports No.'s **HETI-04-1409** and **HETI-04-1410**, **HETI-04-1918D**, **HETI-04-1918A**, **HETI-04-1918C**, **HETI-04-1918E** and **HETI-04-1918B**, issued by Hurricane Engineering and Testing, Inc., dated 09/28/04, signed and sealed by Ivonne Ghia, P. E.
(Submitted under previous NOA No. 05-0414.02)

G. OTHERS

1. Notice of Acceptance No. **05-0414.02**, issued to Arso Enterprises, Inc. d/b/a Sol-A-Trol Aluminum Products for their Series "3000/3062 Outswing Aluminum Casement Window-L.M.I.", approved on 11/03/05 and expiring on 11/03/10.



Helmy A. Makar, P.E., M.S.
BNC Product Control Unit Supervisor
NOA No. 10-0920.15
Expiration Date: 11/03/2015
Approval Date: 01/20/2011

SEAL:

 DEC 02 2010
 CHRISTOPHER STANTON, P.E.
 FLA P.E. # 68316

STANTON ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 2701 NW BOCA RATON BLVD. SUITE 115
 BOCA RATON, FL 33431
 TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING CASEMENT WINDOW (L.M.I.)

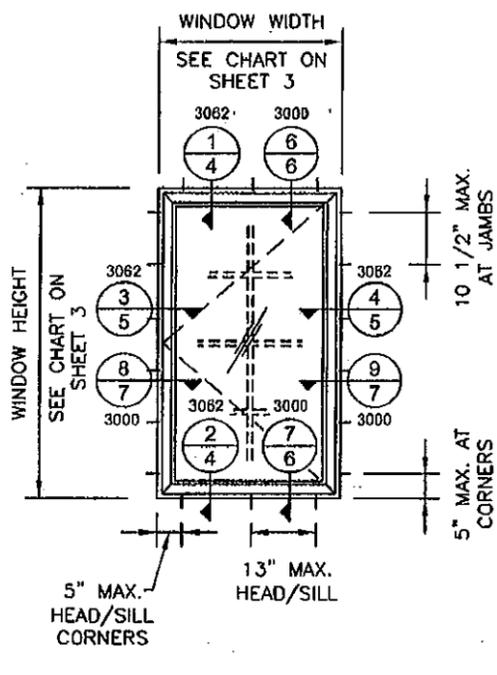
 SOL-A-TROL
 aluminum products, inc.
 4101 N.W. 132nd Street
 Miami, Florida 33054
 Phone: (305) 681-2020
 Fax: (305) 681-2035

SCALE: NOTED
 DATE: 8/16/10
 DRAWN BY: DGI
 CHECKED BY: C.S.

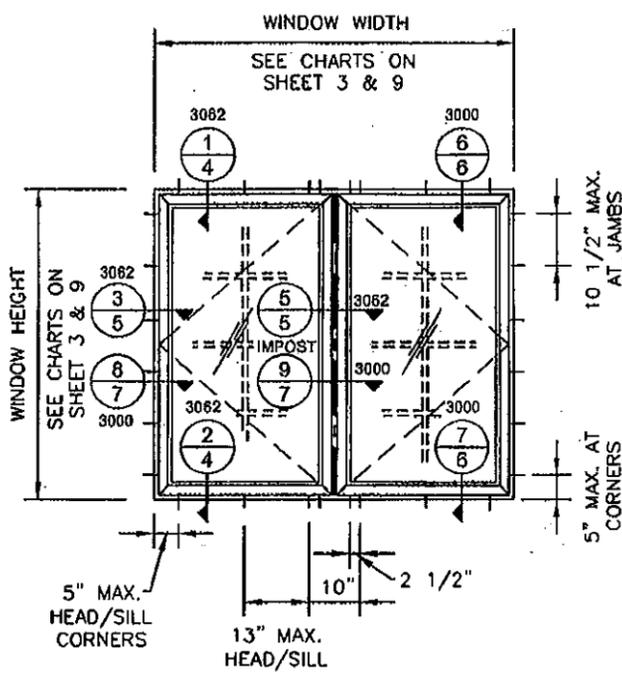
10-0920.15
 DRAWING NO.

SHEET NO.

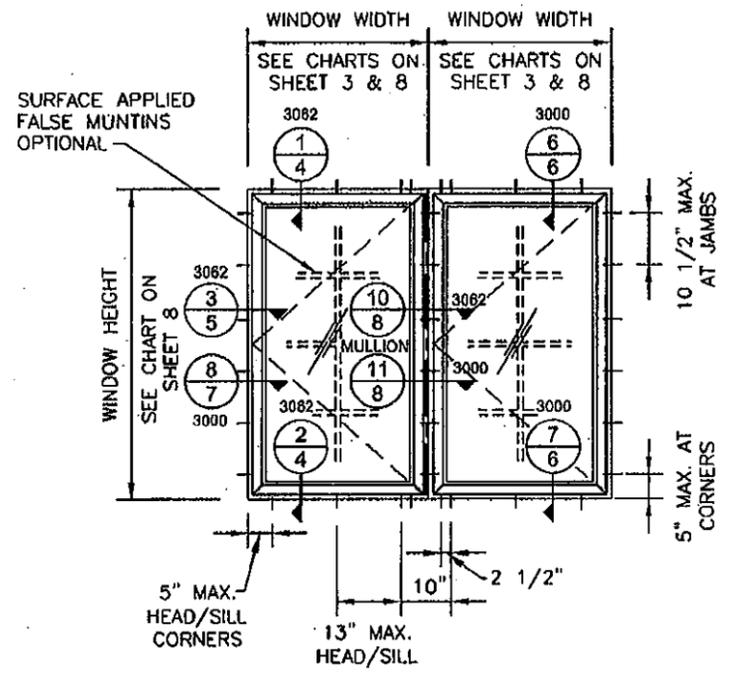
1 of 11



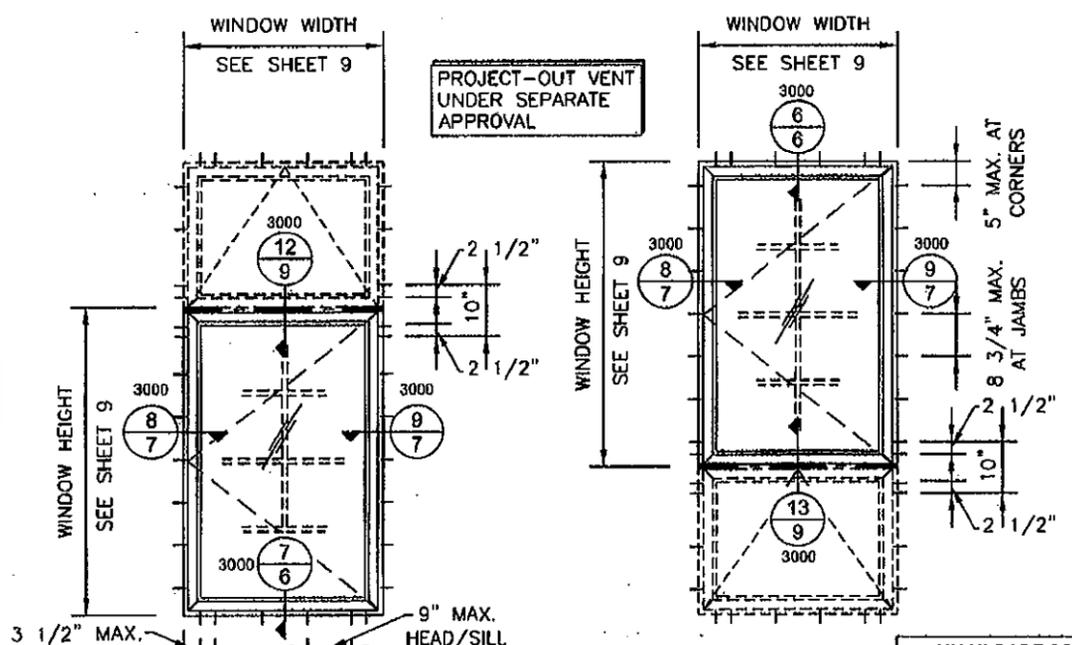
SINGLE VENT
 TESTED SIZE
 37" x 63" = 16.2 SQ. FT.
 (MAXIMUM)



DUAL VENT
 TESTED SIZE
 72" x 63" = 31.5 SQ. FT.
 (MAXIMUM)



SIDE BY SIDE
 TESTED SIZE
 37" x 63" = 16.2 SQ. FT.
 (MAXIMUM PER VENT)

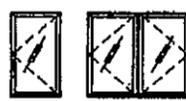


SERIES 3000 CASEMENT & PROJECT-OUT STACK
 TESTED SIZE
 40" x 80" = 22.2 SQ. FT.
 (MAXIMUM)

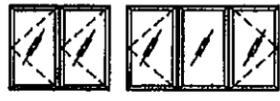
SERIES 3000/3062 ALUM. CASEMENT WINDOW FLANGE OR EQUAL LEG FRAMES

DESIGN LOAD RATING FOR THESE WINDOWS SHALL BE AS PER CHARTS SHOWN ON SHEETS 3, 8 AND 9.

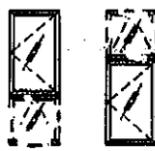
APPROVAL APPLIES TO SINGLE VENT WINDOWS OR DUAL VENT WINDOWS WITH INTEGRAL IMPOST.



SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT/SERIES 3000/3062 FIXED WINDOWS USING MULLIONS IN BETWEEN



AND SERIES 3000 CASEMENT OVER SERIES 3000 PROJECT-OUT VENT OR SERIES 3000 PROJECT-OUT VENT OVER SERIES 3000 CASEMENT.



THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION, INCLUDING HIGH VELOCITY HURRICANE ZONE.

WOOD BUCKS, BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED AND SHOWN ON THE DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED.

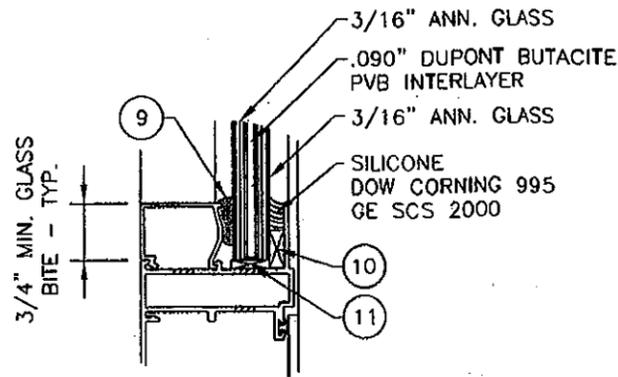
ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

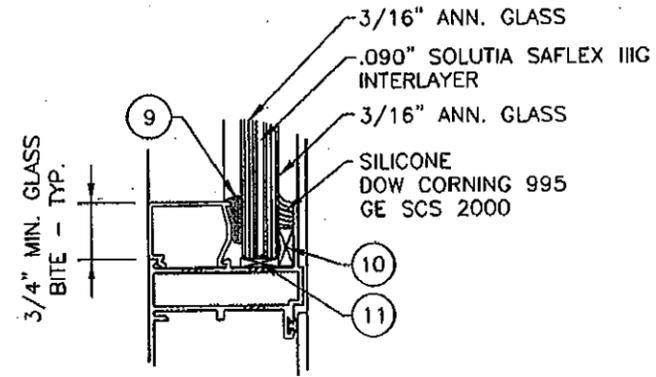
MIAMI-DADE COUNTY USE ONLY

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 10-0920.15
 Expiration Date 11/02/2015

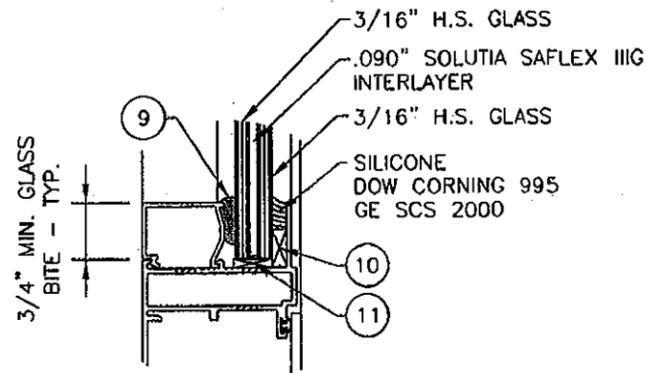
By 
 Miami Dade Product Control



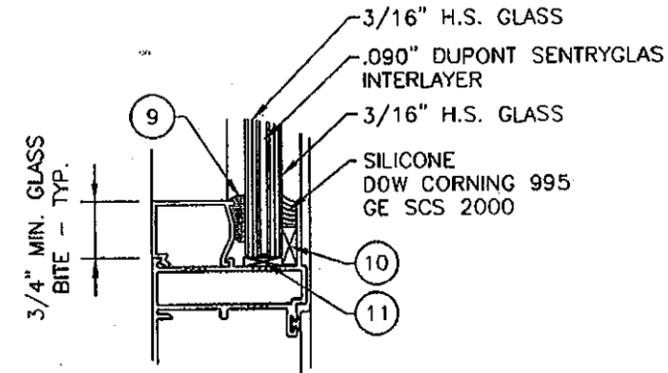
GLASS TYPE 'A'



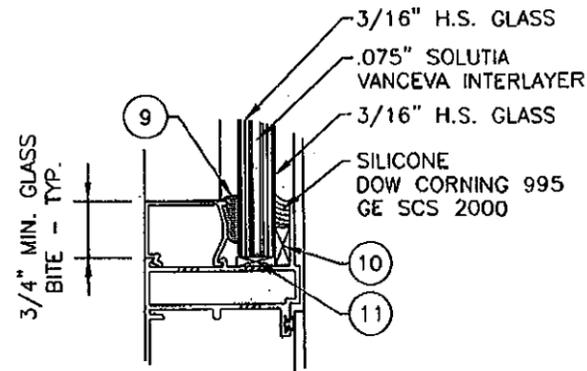
GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'



GLASS TYPE 'E'

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

SEAL:

 DEC 02 2010
 CHRISTOPHER STANTON, P.E.
 FLA P.E. # 69316

STANTON ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 2701 NW BOCA RATON BLVD. SUITE 115
 BOCA RATON, FL 33431
 TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING
 CASEMENT WINDOW (L.M.I.)

 SOL-A-TROL
 aluminum products, Inc.
 4101 N.W. 73rd Street
 Miami, Florida 33054
 Phone: (305) 681-2020
 Fax: (305) 681-2035

MIAMI-DADE COUNTY USE ONLY

SCALE: NOTED
 DATE: 8/18/10
 DRAWN BY: DGI
 CHECKED BY: C.S.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0920.15
 Expiration Date 11/3/2015
 By
 Miami Dade Product Control

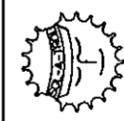
10-0920.15
 DRAWING NO.

SHEET NO.
 2 of 11

SEAL:

 CHRISTOPHER STANTON, P.E.
 FLA P.E. #68318

STANTON ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 2701 NW BOCA RATON BLVD. SUITE 115
 BOCA RATON, FL 33431
 TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING CASEMENT WINDOW (L.M.I.)

 SOL-A-TROL
 aluminum products, inc.
 4101 NW 132nd Street
 Miami, Florida 33054
 Phone: (305) 661-2020
 Fax: (305) 661-2035

SCALE: NOTED
 DATE: 8/16/10
 DRAWN BY: DGI
 CHECKED BY: C.S.

10-0920.15
 DRAWING NO.

SHEET NO.
 3 of 11

DESIGN LOAD CAPACITY - PSF FOR (XX) SIZES									
WINDOW DIMS.		SERIES 3062		SERIES 3000					
		GLASS TYPES 'A', 'B', 'C' OR 'D'		GLASS TYPES 'A', 'B' OR 'C'		GLASS TYPE 'O'		GLASS TYPE 'E'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26" (3)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
53 1/8"	38 3/8" (4)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
26-1/2"	50 5/8" (5)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
53 1/8"	63" (6)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
26-1/2"	74 1/4" (7)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		61.0	61.0	76.2	76.2	76.2	76.2	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
24"	24" (3)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
36"	36" (4)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
48"	48" (5)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
60"	60" (6)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
72"	72" (7)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		73.3	73.3	80.0	80.0	91.7	91.7	75.0	90.0
		60.2	60.2	67.02	67.02	75.3	75.3	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
18"	80" (9)	-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0

(#) = NO. OF ANCHORS PER JAMB

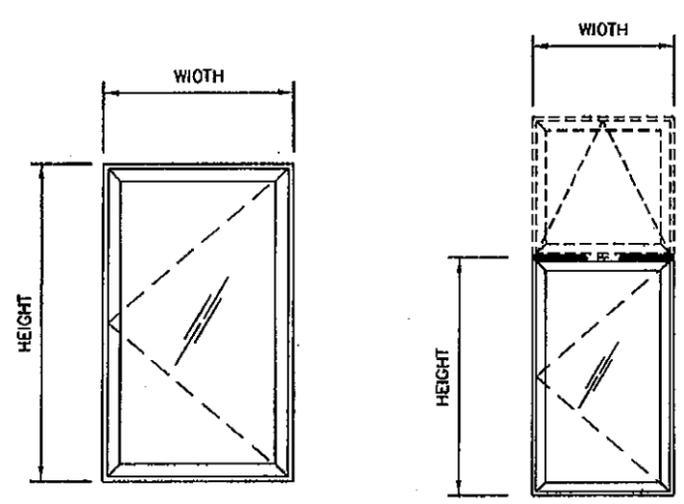
NOTE:
 GLASS CAPACITIES ON THIS SHEET
 ARE BASED ON ASTM E1300-04

MIAMI-DADE COUNTY USE ONLY

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0920.15
 Expiration Date 11/23/2015
 By 
 Miami Dade Product Control

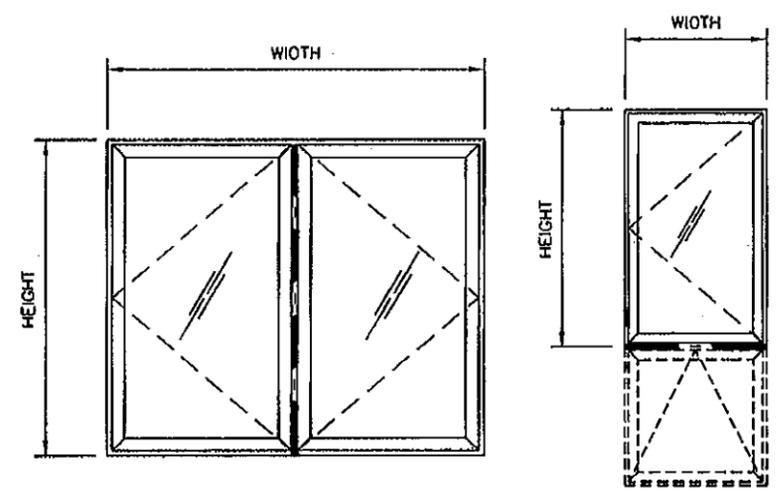
DESIGN LOAD CAPACITY - PSF FOR (X) SIZES									
WINDOW DIMS.		SERIES 3062		SERIES 3000					
		GLASS TYPES 'A', 'B', 'C' OR 'D'		GLASS TYPES 'A', 'B' OR 'C'		GLASS TYPE 'O'		GLASS TYPE 'E'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (3)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
26-1/2"	38 3/8" (4)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
19-1/8"	50 5/8" (5)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
26-1/2"	63" (6)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
19-1/8"	74 1/4" (7)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		61.0	61.0	76.2	76.2	76.2	76.2	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
18"	24" (3)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
24"	36" (4)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
30"	48" (5)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
36"	60" (6)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
48"	72" (7)	80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
		73.3	73.3	80.0	80.0	91.7	91.7	75.0	90.0
		60.2	60.2	67.02	67.02	75.3	75.3	75.0	90.0
		80.0	80.0	80.0	80.0	100.0	100.0	75.0	90.0
18"	80" (9)	-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0
		-	-	-	-	75.0	90.0	75.0	90.0

(#) = NO. OF ANCHORS PER JAMB



TYPICAL ELEVATION
 "X" WINDOW

TYPICAL ELEVATION
 PROJECT-OUT / SERIES 3000



TYPICAL ELEVATION
 "XX" WINDOW

TYPICAL ELEVATION
 SERIES 3000 / PROJECT-OUT

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

WOOD BUCKS NOT BY SOL-A-TROL
MUST SUPPORT LOADS IMPOSED BY
GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:
SEE ELEVATIONS FOR SPACING

TYPE "A" - 1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD SUBSTRATES
1 1/2" MIN. PENETRATION INTO #2 SYP

THRU 1BY WOOD BUCKS INTO 3000 PSI MIN.
CONC. OR C-90 GROUT FILLED BLOCK.
1 1/4" MIN. EMBED. INTO CONC. OR
MASONRY

DIRECTLY INTO 3000 PSI MIN. CONCRETE
OR C-90 GROUT FILLED BLOCK.
1 1/4" MIN. EMBED. INTO CONC. OR
MASONRY

TYPE "B" - #14 WOOD SCREWS

INTO 2BY WOOD BUCKS OR WOOD SUBSTRATES
1 1/2" MIN. PENETRATION INTO #2 SYP

#14 SMS (MIN. GRADE 2 CRS) OR
1/4" HILTI KWIK-FLEX SELF DRILLING SCREWS

INTO METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK.)

STEEL: Fy - 36 KSI MIN.
ALUMINUM: 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUM. TO BE
PLATED OR PAINTED)

#12 SMS (MIN. GRADE 2 CRS)
INTO APPROVED MULLIONS (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONC. OR MASONRY = 2 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 1" MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS SEALED
WITH JOINT SEALANT.

WEEP HOLES:

- W1 = 1/4" DIA. WEEP HOLES AT 7" FROM EACH END
- W2 = 1/4" x 3/8" WEEP SLOTS AT 7" FROM EACH END
- W3 = 1/4" DIA. WEEP HOLE AT 6" FROM EACH END AND AT FRAME CENTERLINE
- W4 = 3/16" x 1" WEEP SLOT AT 6" FROM EACH END AND AT FRAME CENTERLINE

MIAMI-DADE COUNTY USE ONLY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0920-15
Expiration Date 11/03/2015
By *[Signature]*
Miami Dade Product Control

SEAL:
[Signature]
DEC 02 2010
CHRISTOPHER STANTON, P.E.
FLA P.E. # 68318

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NW BOCA RATON BLVD. SUITE 115
BOCA RATON, FL 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

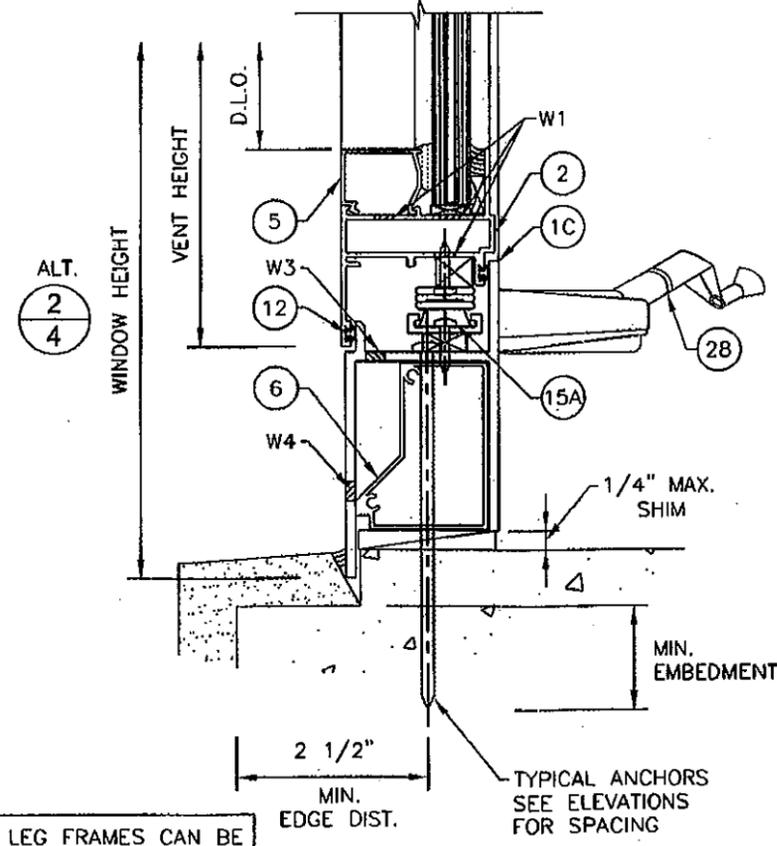
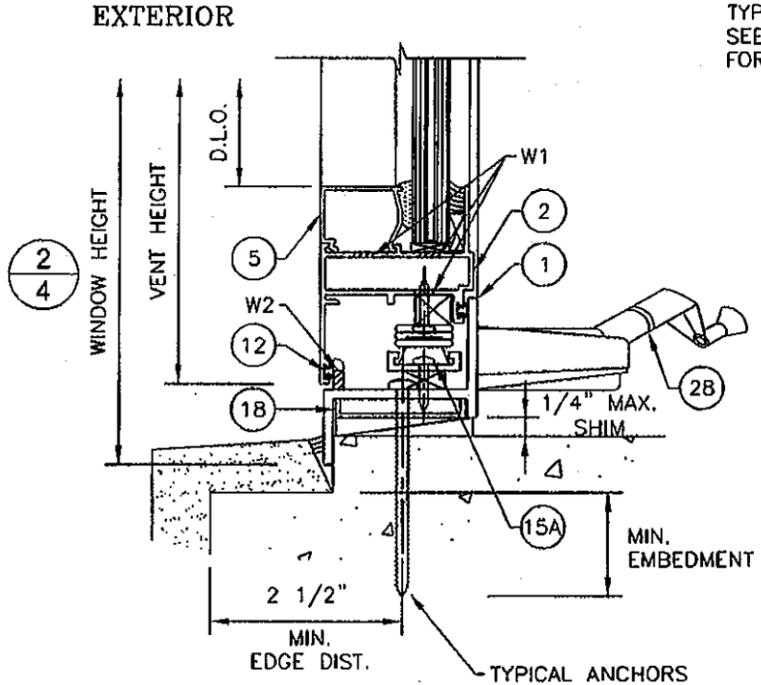
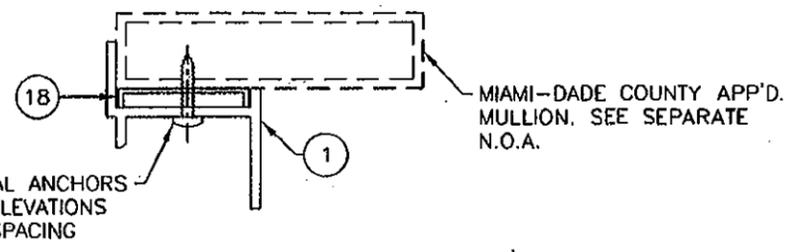
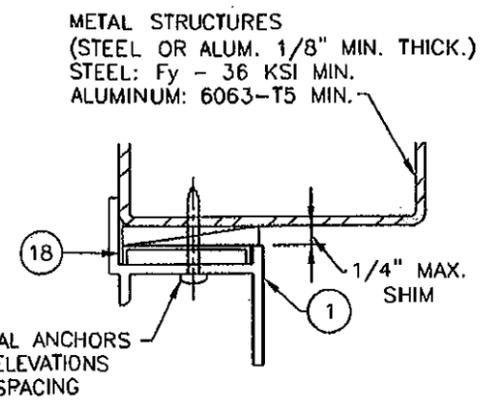
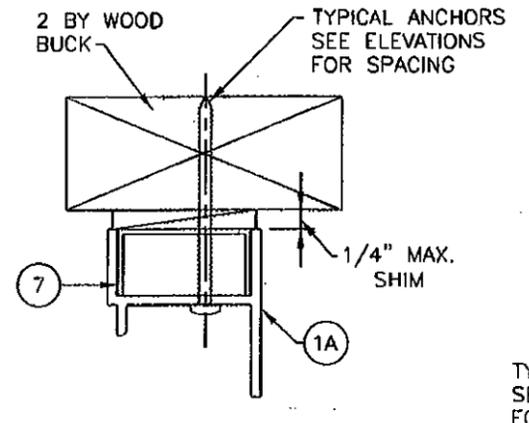
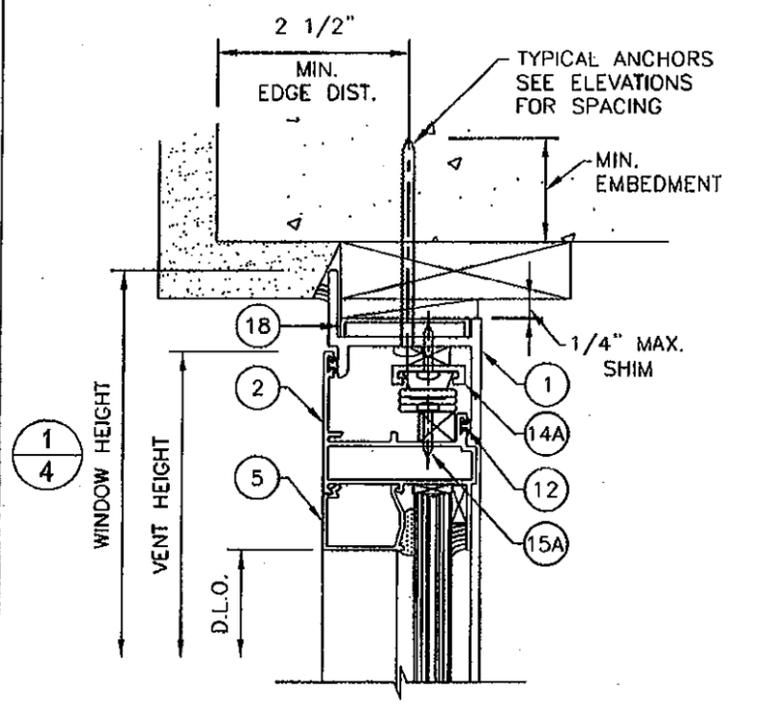
SERIES 3000/3062 ALUM. OUT-SWING
CASEMENT WINDOW (L.M.I.)
SOL-A-TROL
Aluminum Products, Inc.
4101 NW 132nd Street
Miami, Florida 33064
Phone: (305) 681-2020
Fax: (305) 681-2035

SCALE: NOTED
DATE: 8/16/10
DRAWN BY: DGI
CHECKED BY: C.S.

10-0920.15
DRAWING NO.

SHEET NO.

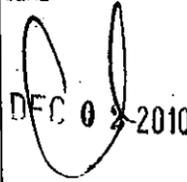
4 of 11



SERIES 3062

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

FLANGE AND EQUAL LEG FRAMES CAN BE
USED AT ALL ANCHORAGE CONDITIONS.

SEAL:

 DEC 0 2010
 CHRISTOPHER STANTON, P.E.
 FLA.P.E. #68316

HINGE OPTIONS:
 OPTION 1: 4 BAR STAINLESS STEEL HINGE
 PART #34-16 - 2 PER VENT
 INSTALLED WITH (6) #10 x 3/4" PHMS PER HINGE
 OPTION 2: 5-KNUCKLE ALUMINUM BUTT HINGE
 PART #0170 - 2 PER VENT INSTALLED
 WITH (6) 1/4" x 3/4" PHSMS PER HINGE

LOCK OPTIONS:
 OPTION 1: TWO POINT CONCEALED LOCK
 PART #1735 INSTALLED WITH
 #10 x 1/2" PHSMS
 OPTION 2: CAM LOCK AND KEEPER
 PART #798L/799R AND 5824
 2 PER VENT FOR WINDOWS UP TO
 38 3/8" IN HEIGHT
 3 PER VENT FOR WINDOWS ABOVE
 38 3/8" IN HEIGHT.
 INSTALLED WITH (2) #8 x 1/2" PHSMS
 PER LOCK

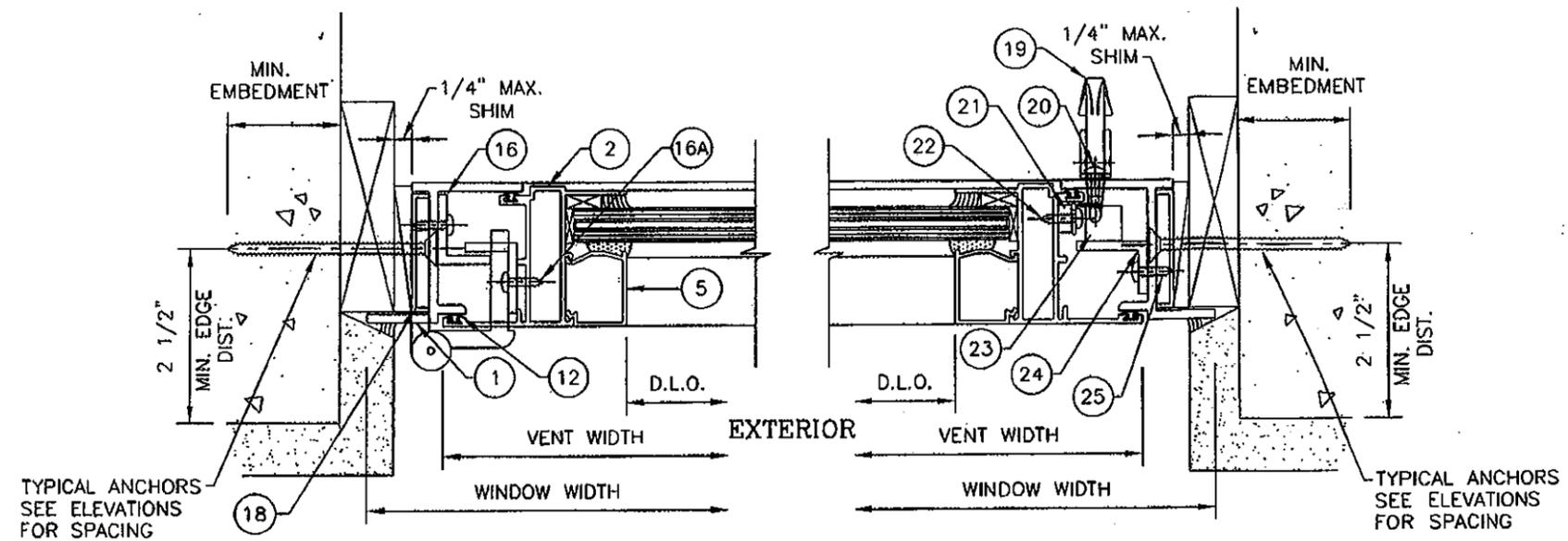
STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
 2701 NW BOCA RATON BLVD, SUITE 115
 BOCA RATON, FL 33431
 TEL: (561) 393-1003 FAX: (561) 393-1008

SOL-TROL
 aluminum products, inc.
 4101 N.W. 132nd Street
 Miami, Florida 33064
 Phone: (305) 681-2020
 Fax: (305) 681-2035

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 DATE: 8/16/10
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10-0920.15
 DRAWING NO.

SHEET NO.
 5 of 11



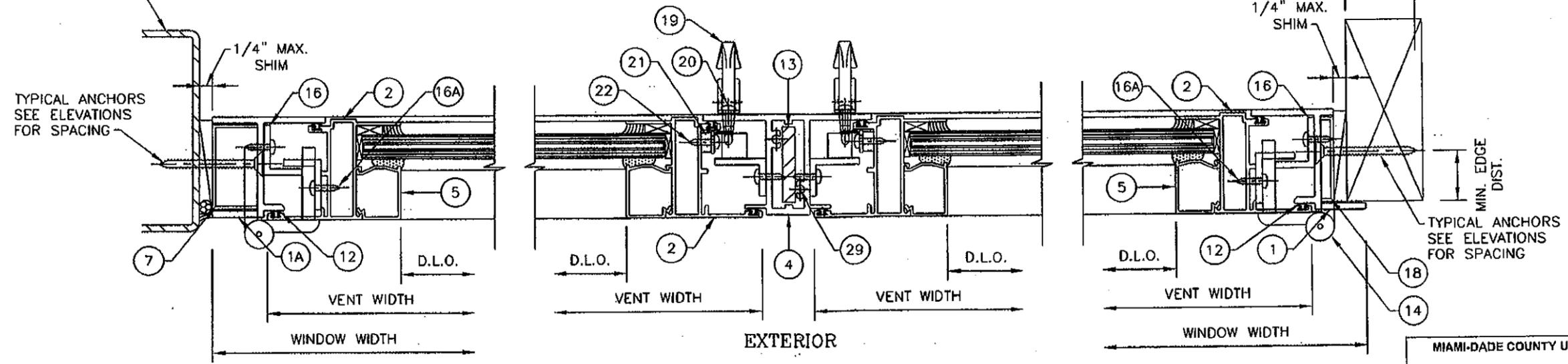
SINGLE VENT WINDOWS

3/5

4/5

HINGES AND LOCKS CAN BE USED
 IN ANY COMBINATION

METAL STRUCTURES
 (STEEL OR ALUM. 1/8" MIN. THICK.)
 STEEL: Fy - 36 KSI MIN.
 ALUMINUM: 6063-T5 MIN.



DUAL VENT WINDOWS

ALT. 3/5

5/5

ALT. 3/5

MIAMI-DADE COUNTY USE ONLY

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 By 
 Miami Dade Product Control

SERIES 3062

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

WOOD BUCKS NOT BY SOL-A-TROL
MUST SUPPORT LOADS IMPOSED BY
GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

SEAL:
DEC 02 2010
CHRISTOPHER STANTON, P.E.
FLA P.E. # 69316

TYPICAL ANCHORS:
SEE ELEVATIONS FOR SPACING

TYPE "A" - 1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD SUBSTRATES
1 1/2" MIN. PENETRATION INTO #2 SYP

THRU 1BY WOOD BUCKS INTO 3000 PSI MIN.
CONC. OR C-90 GROUT FILLED BLOCK.
1 1/4" MIN. EMBED. INTO CONC. OR
MASONRY

DIRECTLY INTO 3000 PSI MIN. CONCRETE
OR C-90 GROUT FILLED BLOCK.
1 1/4" MIN. EMBED. INTO CONC. OR
MASONRY

TYPE "B" - #14 WOOD SCREWS

INTO 2BY WOOD BUCKS OR WOOD SUBSTRATES
1 1/2" MIN. PENETRATION INTO #2 SYP

#14 SMS (MIN. GRADE 2 CRS) OR
1/4" HILTI KWIK-FLEX SELF DRILLING SCREWS
INTO METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK.)

STEEL: Fy - 36 KSI MIN.
ALUMINUM: 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUM. TO BE
PLATED OR PAINTED)

#12 SMS (MIN. GRADE 2 CRS)
INTO APPROVED MULLIONS (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONC. OR MASONRY = 2 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 1" MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS SEALED
WITH JOINT SEALANT.

WEEP HOLES:

- W1 = 1/4" DIA. WEEP HOLES AT 7" FROM EACH END
- W2 = 1/4" x 3/8" WEEP SLOTS AT 7" FROM EACH END
- W3 = 1/4" DIA. WEEP HOLE AT 6" FROM EACH END AND AT FRAME CENTERLINE
- W4 = 3/16" x 1" WEEP SLOT AT 6" FROM EACH END AND AT FRAME CENTERLINE

MIAMI-DADE COUNTY USE ONLY

PRODUCT REVISED
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Building Code
Acceptance No 10-0920.15
Expiration Date 11/02/2015
By *Helmut A. Walker*
Miami Dade Product Control

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NW BOCA RATON BLVD. SUITE 115
BOCA RATON, FL 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING
CASEMENT WINDOW (L.M.I.)

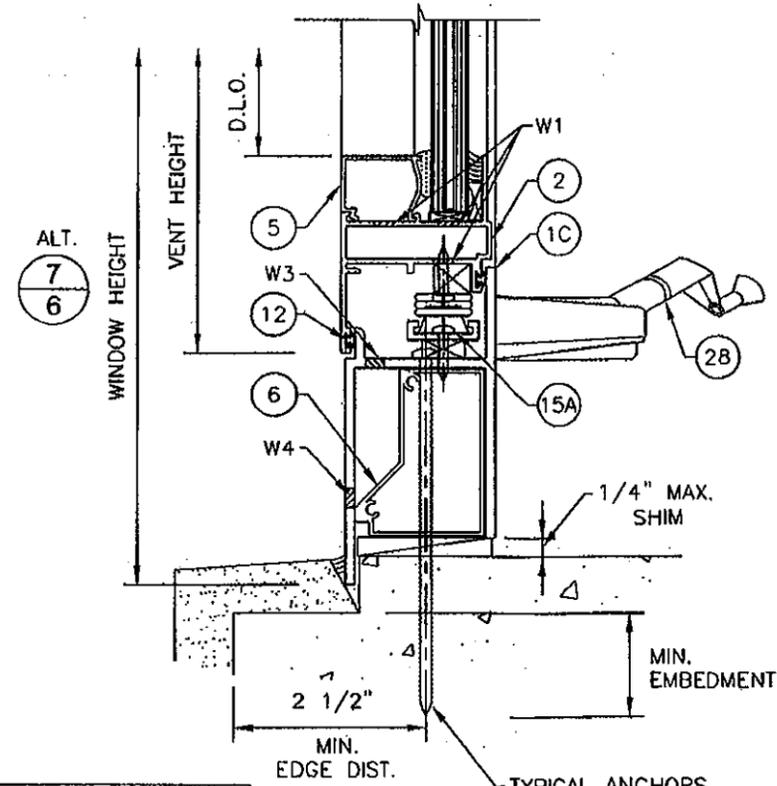
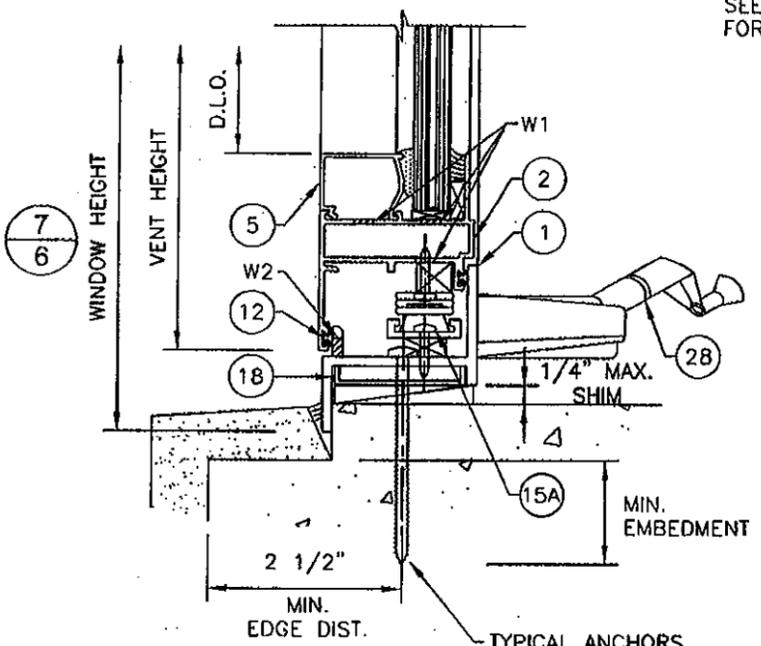
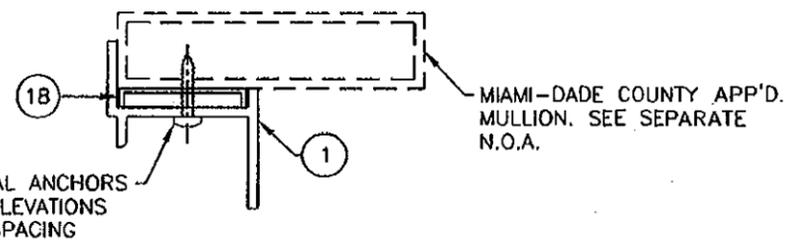
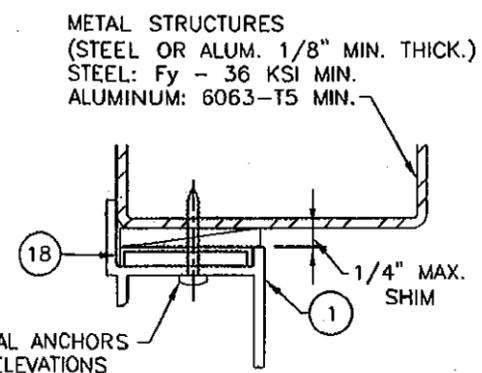
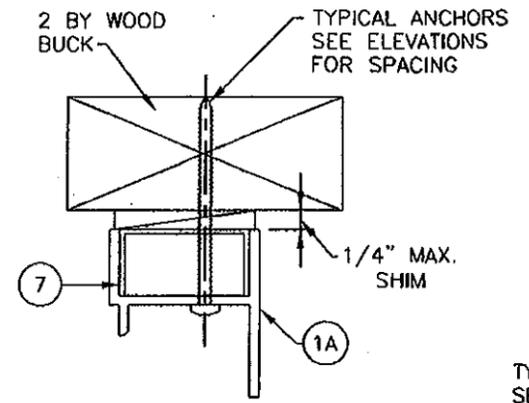
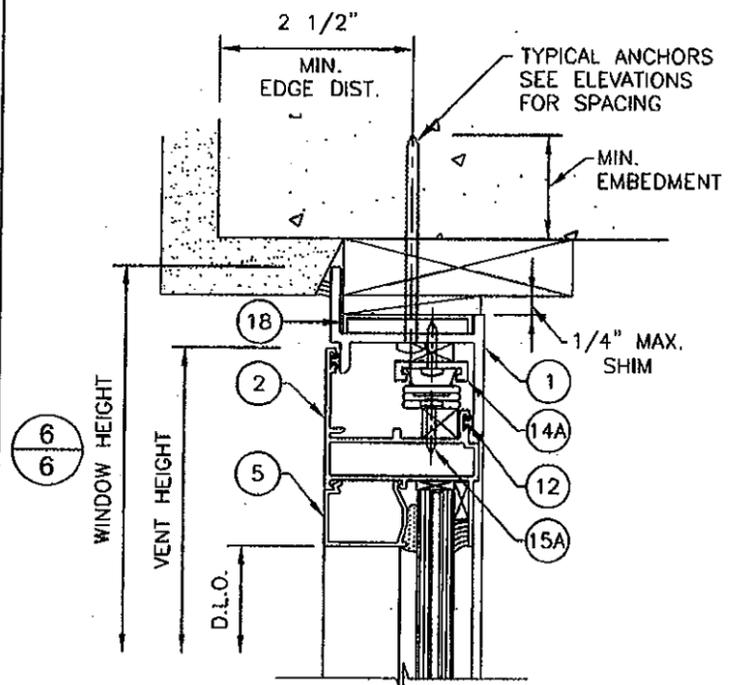
SOL-A-TROL
aluminum products, inc.
4101 N.W. 132nd Street
Miami, Florida 33054
Phone: (305) 661-2020
Fax: (305) 661-2005

SCALE: NOTED
DATE: 8/16/10
DRAWN BY: DGI
CHECKED BY: C.S.

10-0920.15
DRAWING NO.

SHEET NO.

6 of 11



FLANGE AND EQUAL LEG FRAMES CAN BE USED AT ALL ANCHORAGE CONDITIONS.

SERIES 3000

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		
6		

SEAL:

DEC 02 2010

CHRISTOPHER STANTON, P.E.
FLA. P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NW BOCA RATON BLVD., SUITE 115
BOCA RATON, FL 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING
CASEMENT WINDOW (L.M.I.)
SOL-A-TROL
aluminum products, inc.
4101 NW 132nd Street
Miami, Florida 33054
Phone: (305) 681-2020
Fax: (305) 681-2035

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SHEET NO.

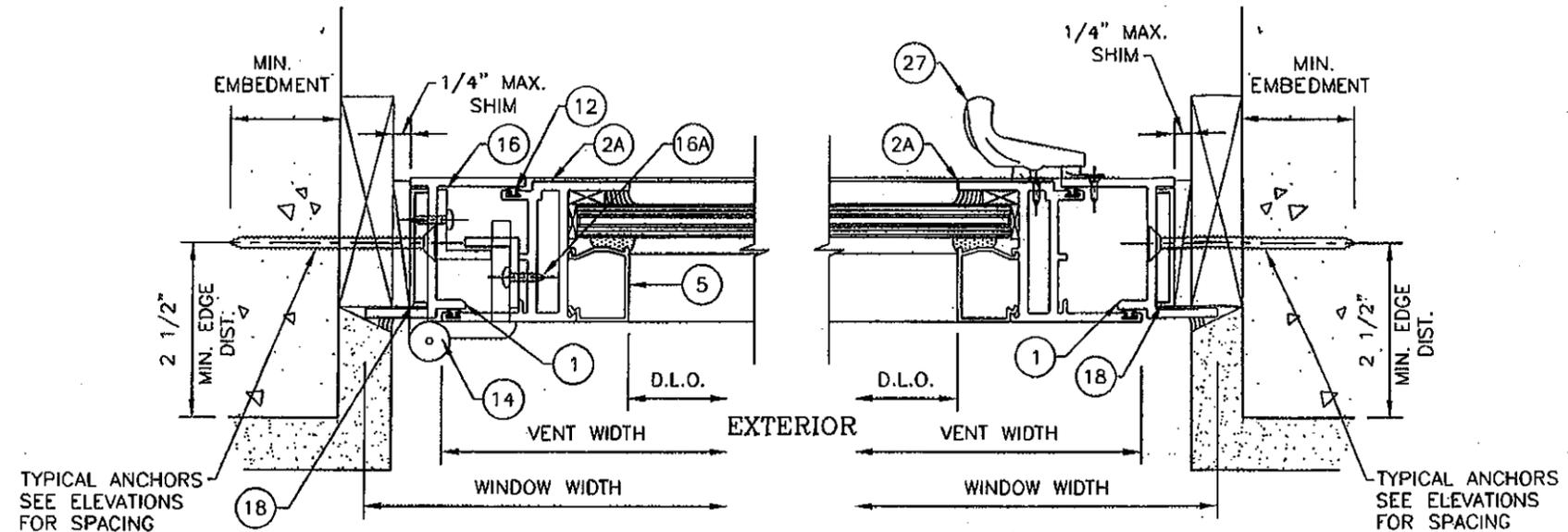
7 of 11

HINGE:

5-KNUCKLE ALUMINUM BUTT HINGE
PART #0170 - 2 PER VENT INSTALLED
WITH (6) 1/4" x 3/4" PHSMS PER
HINGE

LOCKS:

CAM LOCK AND KEEPER
PART #798L/799R AND 5824
2 PER VENT FOR WINDOWS UP TO
38 3/8" IN HEIGHT
3 PER VENT FOR WINDOWS ABOVE
38 3/8" IN HEIGHT.
INSTALLED WITH (2) #8 x 1/2" PHSMS
PER LOCK

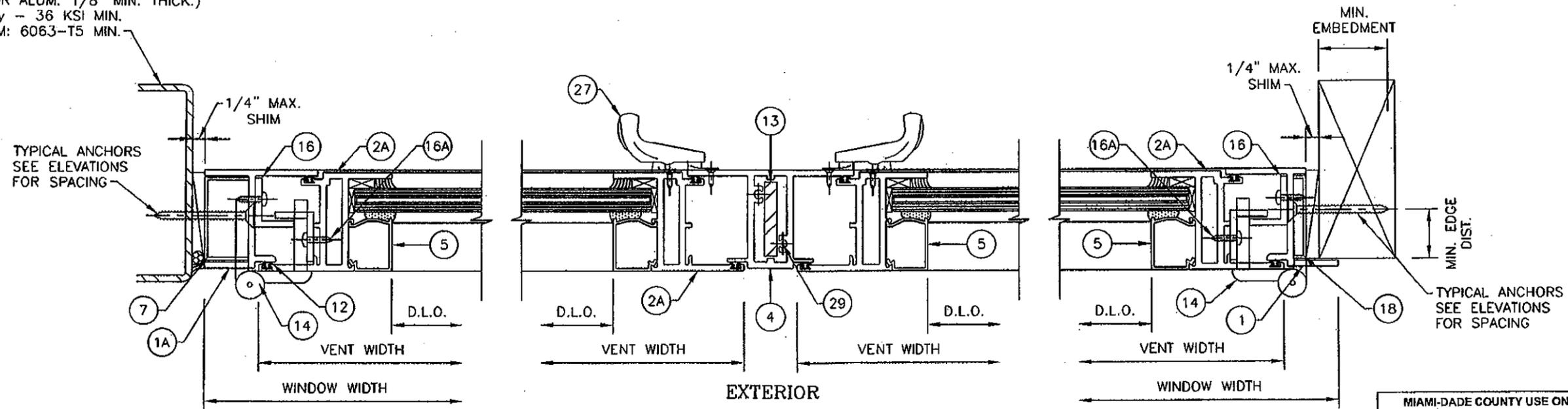


SINGLE VENT WINDOWS

8
7

9
7

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK.)
STEEL: Fy - 36 KSI MIN.
ALUMINUM: 6063-T5 MIN.



DUAL VENT WINDOWS

ALT.
8
7

9
7

ALT.
8
7

SERIES 3000

NO.	DATE	REVISIONS
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2		
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Miami Dade Product Control

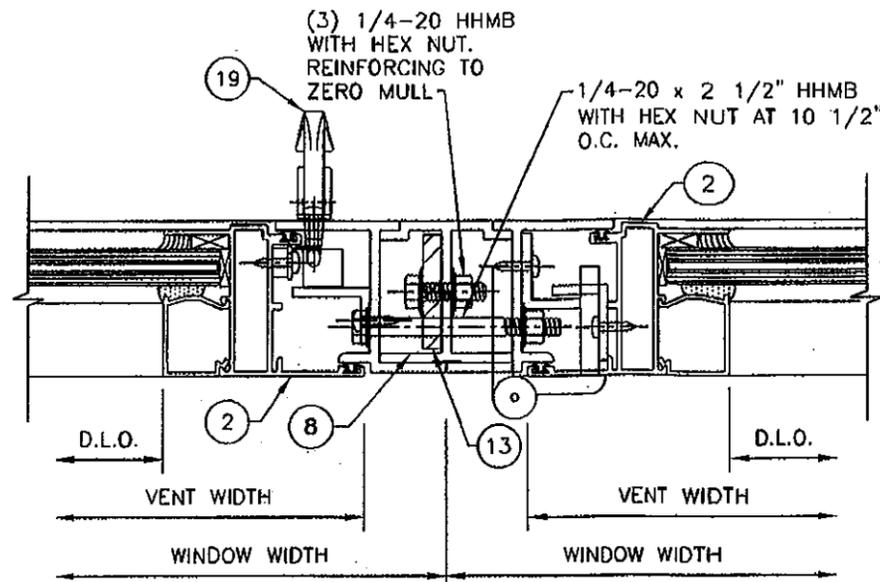
MULLION & CONNECTION LOAD CAPACITY - PSF

WINDOW DIMS.		SERIES 3062		SERIES 3000	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	100.0	100.0
37"		80.0	80.0	100.0	100.0
53-1/8"		80.0	80.0	100.0	100.0
19-1/8"	38 3/8"	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	100.0	100.0
37"		80.0	80.0	100.0	100.0
53-1/8"		80.0	80.0	100.0	100.0
19-1/8"	50 5/8"	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	100.0	100.0
37"		80.0	80.0	100.0	100.0
53-1/8"		80.0	80.0	100.0	100.0
19-1/8"	63"	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	100.0	100.0
37"		80.0	80.0	100.0	100.0
53-1/8"		80.0	80.0	100.0	100.0
24"	36"	80.0	80.0	100.0	100.0
30"		80.0	80.0	100.0	100.0
36"		80.0	80.0	100.0	100.0
24"	42"	80.0	80.0	100.0	100.0
30"		80.0	80.0	100.0	100.0
36"		80.0	80.0	100.0	100.0
24"	48"	80.0	80.0	100.0	100.0
30"		80.0	80.0	100.0	100.0
36"		80.0	80.0	100.0	100.0
24"	54"	80.0	80.0	100.0	100.0
30"		80.0	80.0	100.0	100.0
36"		80.0	80.0	100.0	100.0
24"	60"	80.0	80.0	100.0	100.0
30"		80.0	80.0	100.0	100.0
36"		80.0	80.0	100.0	100.0

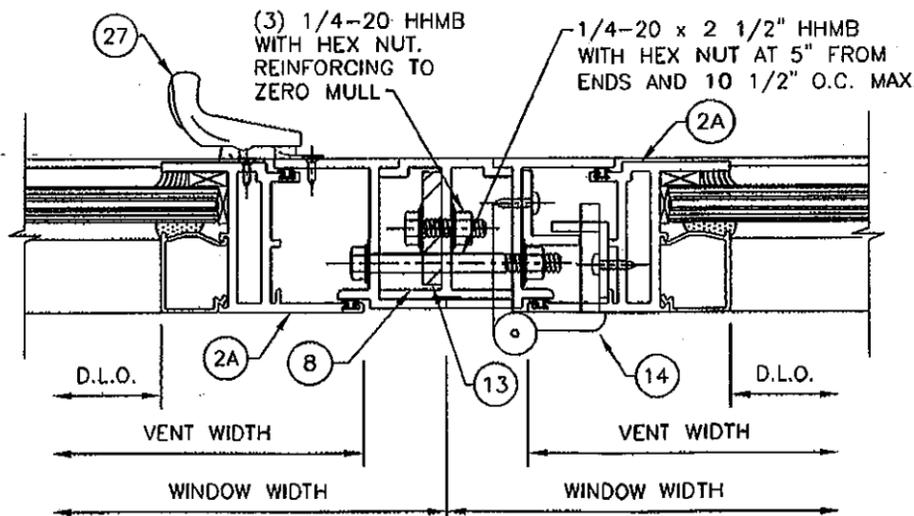
NOTES:

- USE CHART ON THIS SHEET FOR SIDE BY SIDE WINDOW CONNECTION AND MULLION CAPACITY.
- FOR CASEMENT WINDOW CAPACITY, SEE SHEET 3 OF 11
- LOWER VALUES FROM STEPS 1 OF 2 WILL APPLY TO ENTIRE SYSTEM.

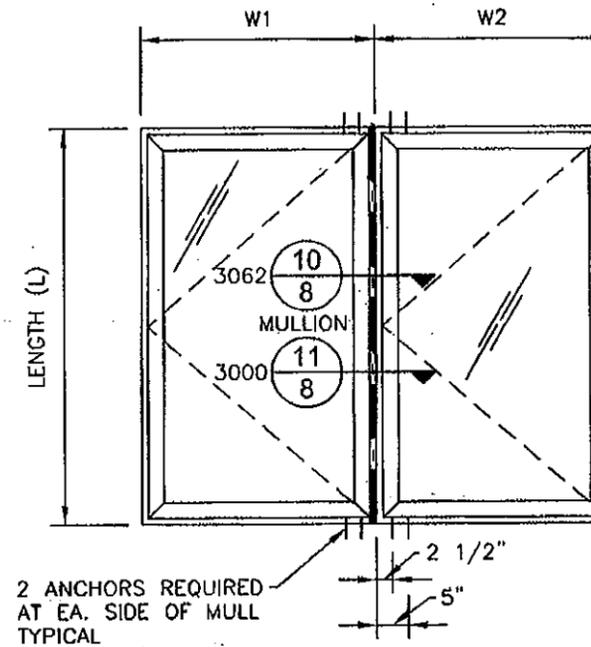
NO.	DATE	REVISIONS
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3		
4		
5		



10/8 SERIES 3062 MULLION



11/8 SERIES 3000 MULLION



TYPICAL ELEVATION

SIDE BY SIDE WINDOWS
SIDE BY SIDE APPLIES TO 2 OR MORE WINDOWS

$$WIDTH (W) = \frac{W1 + W2}{2}$$

MIAMI-DADE COUNTY USE ONLY

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Miami Dade Product Control

SEAL:
DEC 02 2010
CHRISTOPHER STANTON, P.E.
FLA P.E. # 69316

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2701 NW BOCA RATON BLVD. SUITE 115
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TEL: (561) 393-1003 FAX: (561) 393-1008

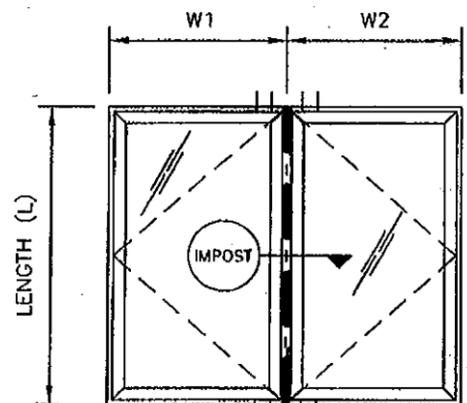
SERIES 3000/3062 ALUM. OUT-SWING
CASEMENT WINDOW (L.M.I.)
SOL-A-TROL
aluminum products, inc.
4101 N.W. 132nd Street
Miami, Florida 33054
Phone: (805) 681-2020
Fax: (305) 681-2035

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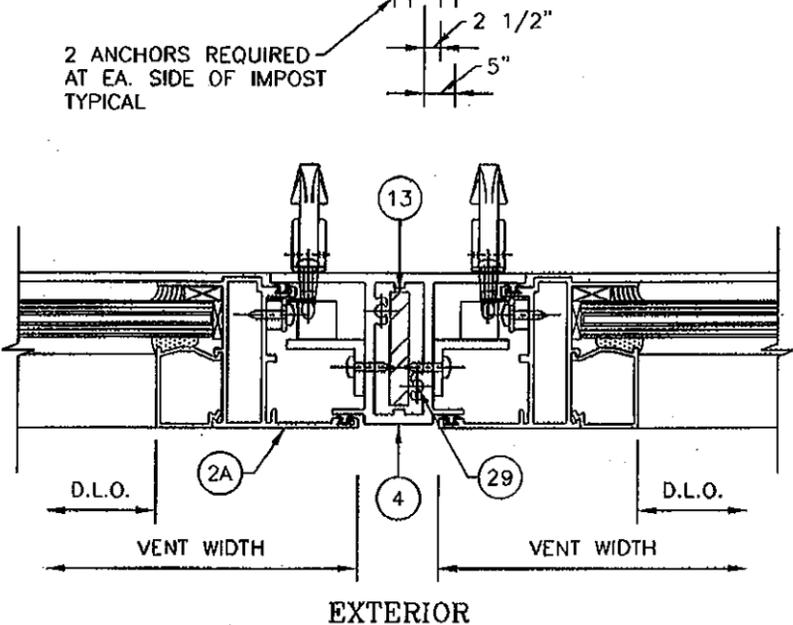
SHEET NO.

8 of 11

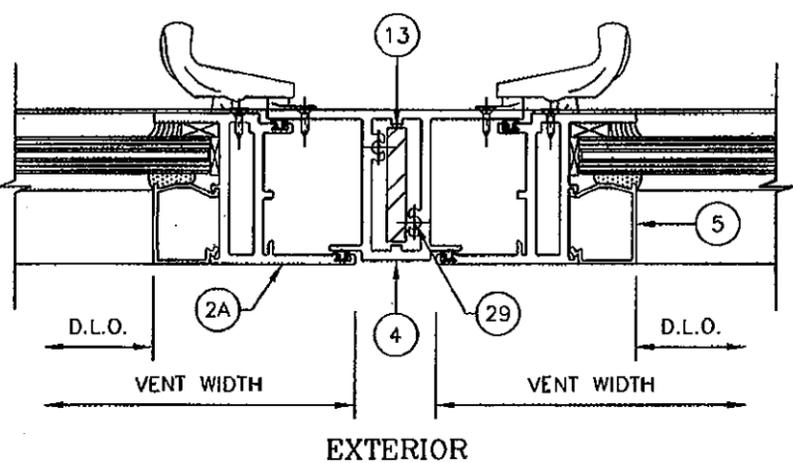


$$\frac{W1 + W2}{2} = 37" \text{ (MAX.)}$$

$$(L) = 63" \text{ (MAX.)}$$

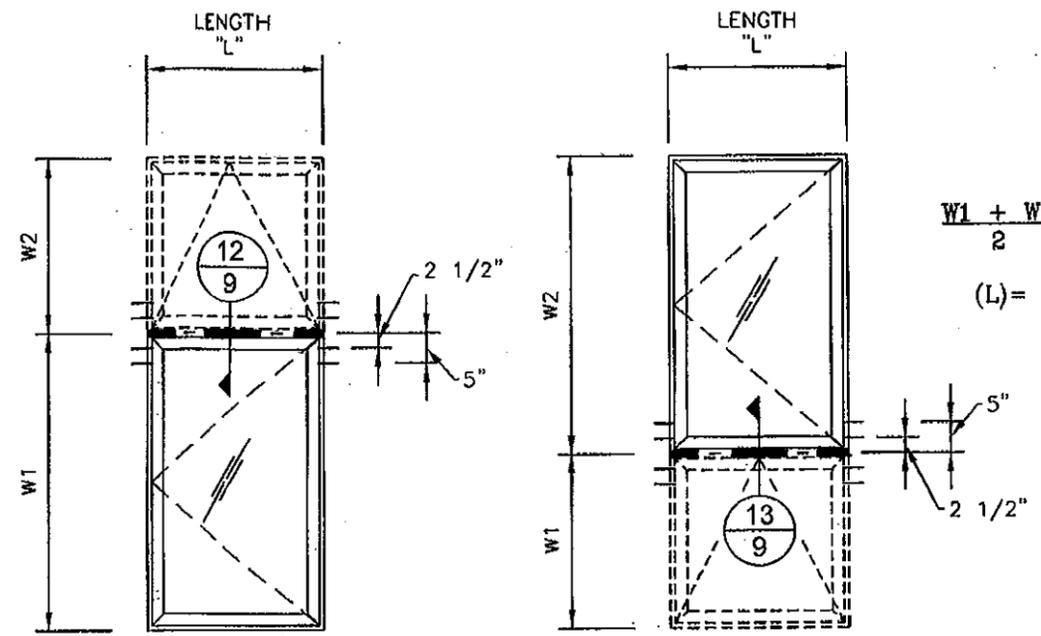


SERIES 3062
IMPOST



SERIES 3000
IMPOST

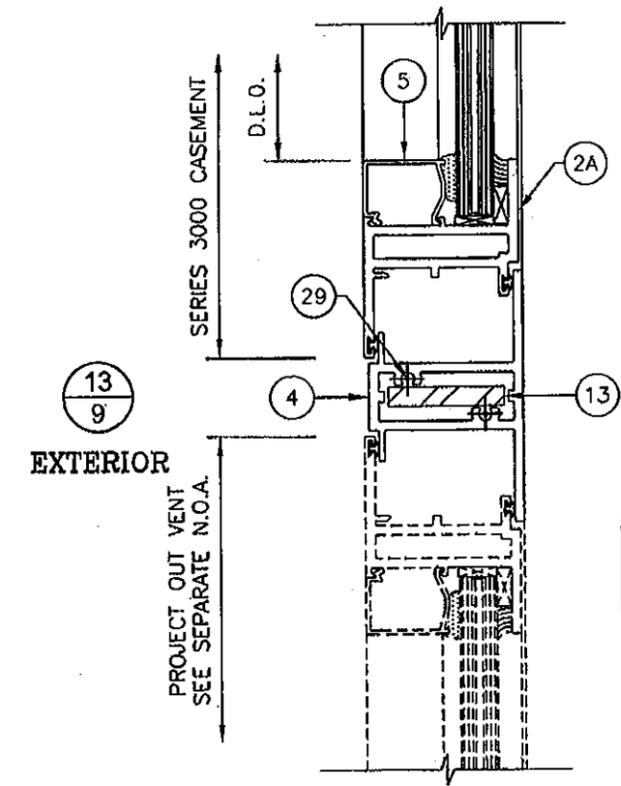
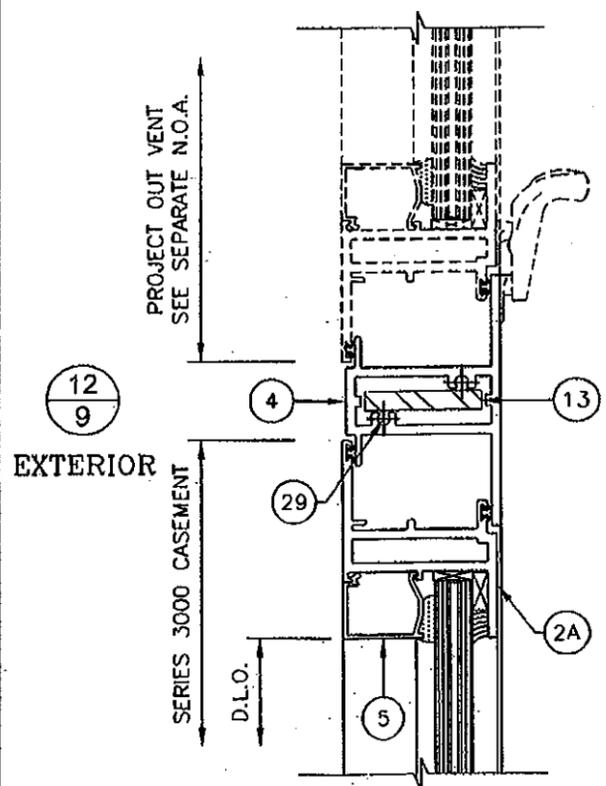
NO.	DATE	REVISIONS
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5		



$$\frac{W1 + W2}{2} = 60" \text{ (MAX.)}$$

$$(L) = 40" \text{ (MAX.)}$$

SERIES 3000
HORIZONTAL IMPOST



MIAMI-DADE COUNTY USE ONLY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0920-15
Expiration Date 11/09/2015
By *Heather A. Nelson*
Miami Dade Product Control

SEAL:
DEC 02 2010
CHRISTOPHER STANTON, P.E.
FLA P.E. # 69318

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NW BOCA RATON BLVD. SUITE 115
BOCA RATON, FL 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES 3000/3062 ALUM. OUT-SWING
CASEMENT WINDOW (L.M.I.)
SOL-A-TROL
aluminum products, inc.
4101 N.W. 132nd Street
Miami, Florida 33054
Phone: (805) 681-2020
Fax: (805) 681-2035

SCALE: NOTED
DATE: 8/18/10
DRAWN BY: DGI
CHECKED BY: C.S.

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BILL OF MATERIALS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ARSO-127	4	FLANGE FRAME (HEAD/JAMB/SILL)	6063-T5	SOL-A-TROL
1A	ARSO-142	4	EQUAL LEG FRAME (HEAD/JAMB/SILL)	6063-T5	SOL-A-TROL
1B	ARSO-314	1	EQUAL LEG FRAME (HWR SILL)	6063-T5	SOL-A-TROL
1C	ARSO-315	1	FLANGE FRAME (HWR SILL)	6063-T5	SOL-A-TROL
2	ARSO-176	4	VENT (SERIES 3082)	6063-T5	SOL-A-TROL
2A	ARSO-105	4	VENT (SERIES 3000)	6063-T5	SOL-A-TROL
3	ARSO-173	1/CORNER	VENT CORNER KEY (SERIES 3082)	6063-T5	SOL-A-TROL
3A	2" x 2" x 1/4" ANGLE	1/CORNER	VENT CORNER KEY (SERIES 3000)	6063-T5	SOL-A-TROL
4	ARSO-184	AS REQ'D.	IMPOST	6063-T5	SOL-A-TROL
5	ARSO-169	4	GLAZING BEAD	6063-T5	SOL-A-TROL
6	ARSO-313	AS REQ'D.	SILL TUBE	6063-T5	SOL-A-TROL
7	ARSO-876	AS REQ'D.	SUPPORT CHANNEL, 3" LONG	3003-H14	SOL-A-TROL
8	ARSO-168	AS REQ'D.	ZERO MULLION	6063-T5	SOL-A-TROL
9	FP-40	AS REQ'D.	GLAZING WEDGE	VINYL	PROTOTYPE PLASTICS (70-75 DURO)
10	326-RP-142B	2/VENT	SETTING BLOCK (1/2" x 1/4" x FULL LENGTH)	PVC	PROTOTYPE PLASTICS (78 DURO)
11	326-FP-808B	2/LITE	SETTING BLOCK (1/2" x 1/8" x 2") @ 1/4 POINTS	PVC	PROTOTYPE PLASTICS (70-75 DURO)
12	326-FP-261AB	AS REQ'D.	BULB WEATHER STRIPPING	VINYL	PROTOTYPE PLASTICS (60 DURO)
13	-	AS REQ'D.	MULLION/IMPOST REINFORCING	STEEL	-
14	0170	2/VENT	5 KNUCKLE BUTT HINGE - P.N. 90-1890	ALUMINUM	WORLD INDUSTRIAL PRODUCTS
14A	34-16	2/VENT	4-BAR HINGE - P.N. 201-SS	ST. STEEL	ULIH HARDWARE ENTERPRISES
15	#14 x 3/4"	6/HINGE	BUTT HINGE INSTALLATION SCREWS	ST. STEEL	PHSMS
15A	#10 x 3/4"	6/HINGE	4-BAR HINGE INSTALLATION SCREWS	ST. STEEL	PH MS
16	-	6/VENT	SNUBBER ANGLE 3/4" x 1" x 1/8" x 7 3/4" LONG	6063-T5	SOL-A-TROL
17	#10 x 1/2"	2/ANGLE	SNUBBER ANGLE INSTALLATION SCREWS	-	PHSMS
18	ARSO-877	AS REQ'D.	ALUMINUM CHANNEL	3003-H14	3" LONG
19	1735	1/VENT	2-POINT CONCEALED LOCK	BRONZE	MELROH CORP. / FRESH LINK
20	#10 x 1/2"	4/VENT	LOCK INSTALLATION SCREWS	ST. STEEL	PHSMS
21	SM-SSK1	4/VENT	KEEPER	ST. STEEL	SOL-A-TROL
22	#10 x 5/8"	4/VENT	KEEPER INSTALLATION SCREWS	ST. STEEL	PHSMS
23	1/2" x 1/2"	1/VENT	35 11/16" LONG LOCKING BAR	6063-T5	SOL-A-TROL
24	5/8" x 3/4"	2/VENT	ALUMINUM ANGLE - 2" LONG, 1/8" THICK	6063-T5	-
25	#10 x 1/2"	4/VENT	ANGLE INSTALLATION SCREWS	ST. STEEL	PHSMS
26	-	-	-	-	-
27	798L/799R & 5824	AS REQ'D.	CAM LOCK & KEEPER @ CENTER & 8 3/4" FROM ENDS	BRONZE	MELROH CORP. / FRESH LINK
28	105	OPTIONAL	CRANK OPERATOR	ZINC	SOUTHERN DIE CASTING
29	#10 x 1 1/2"	2/CORNER	IMPOST ASSEMBLY SCREWS	-	PHSMS

SEAL:

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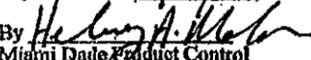
10-0920.15
 DRAWING NO.

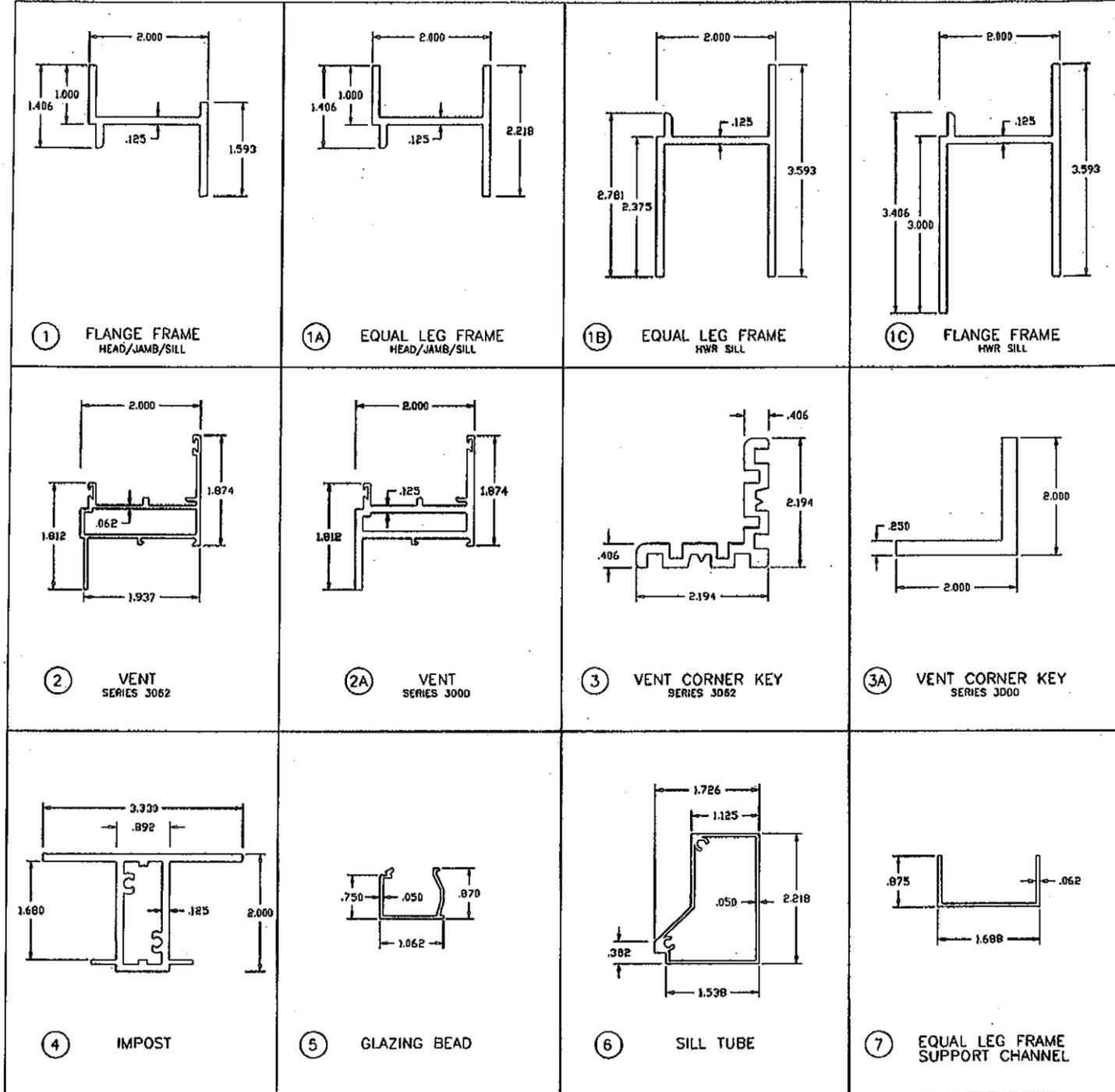
SHEET NO.

10 of 11

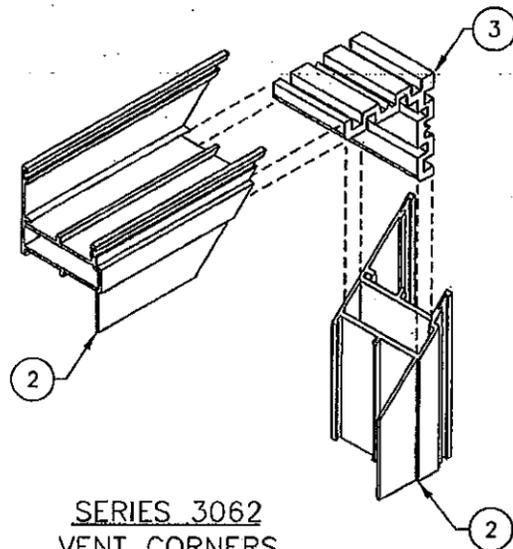
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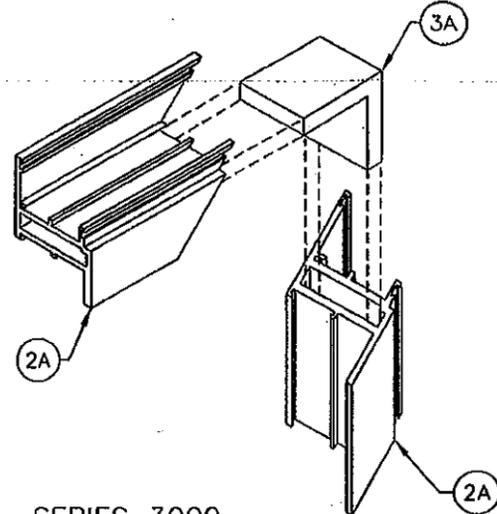
By 
 Miami Dade Product Control



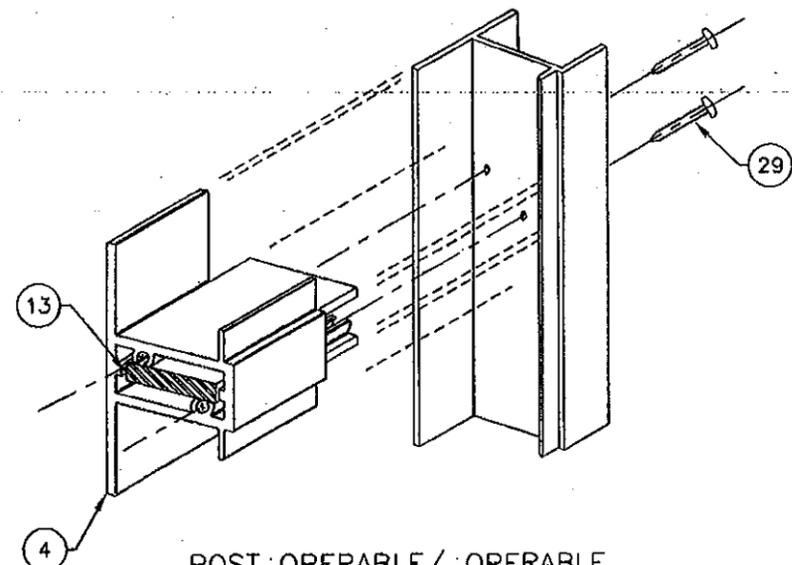
NO.	DATE	REVISIONS
①	11-5-10	PER BCCO REVIEW
②		
③		
④		
⑤		



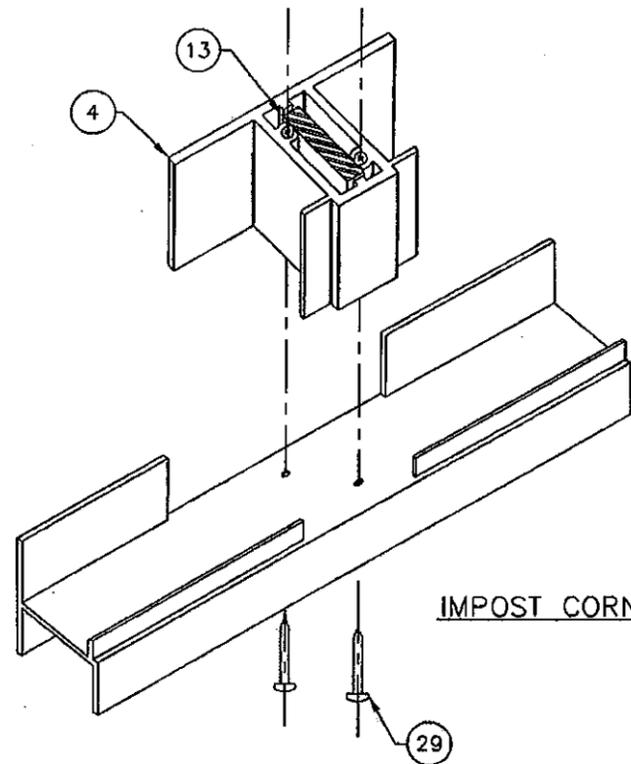
SERIES 3062
VENT CORNERS
MITERED & WELDED



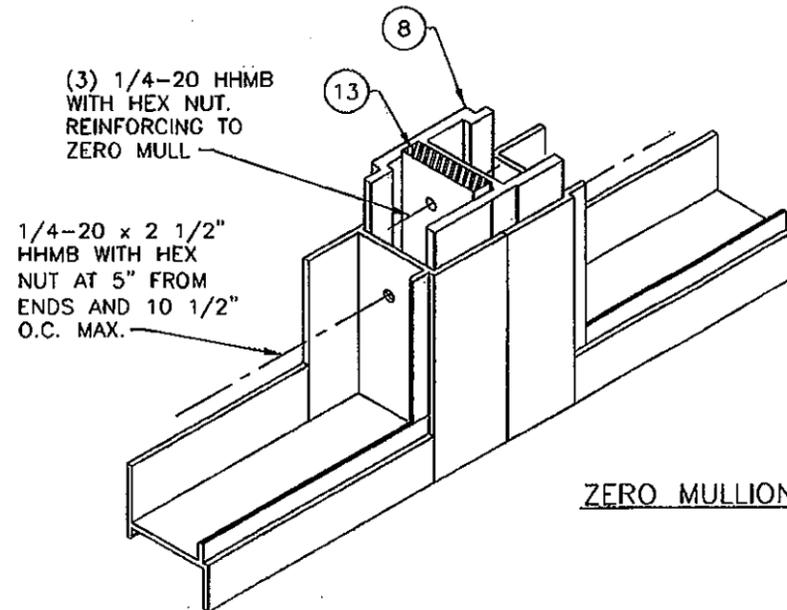
SERIES 3000
VENT CORNERS
MITERED & WELDED



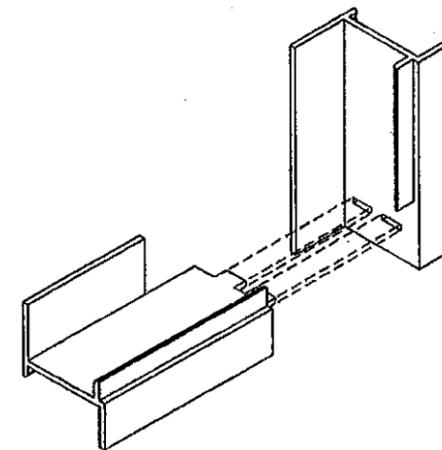
POST OPERABLE / OPERABLE
NOTCHED & SCREWED AT JAMBS



IMPOST CORNERS



ZERO MULLION CORNERS



FRAME CORNERS
STAKED MORTISE AND TENDON FABRICATION

NO.	DATE	REVISIONS
1	11-5-10	PER BCCO REVIEW
2		
3		
4		
5		

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Miami Dade Product Control

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FLA.P.E. # 69316

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