



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](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

Sun Metals Systems, Inc.  
5008 Tampa West Blvd.  
Tampa, FL 33634

**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 "Sun 1000" Aluminum Window Wall System - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. SUN1000WWLMI, titled "Sun Metals-Sun-1000WW Window Wall System Single And/ Or Multiple", sheets 1 through 7 of 7, dated 10/05/05 with revision "1" dated 02/14/06, prepared by R.W. Building Consultants, Inc., signed and sealed by Wendell W. Haney, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J. Gascon*  
3/2/06

NOA No 05-1018.05  
Expiration Date: April 06, 2011  
Approval Date: April 06, 2006  
Page 1

**Sun Metals Systems, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturers die drawings and sections.
2. Drawing No. **SUN1000WWLMI**, titled "Sun Metals-Sun-1000WW Window Wall System Single And/ Or Multiple", sheets 1 through 7 of 7, prepared by R.W. Building Consultants, Inc., dated 10/05/05 with revision "1" dated 02/14/06, signed and sealed by Wendell W. Haney, 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 Test, per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum panelized window wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0280-0913-03**, dated from 09/12/03, signed and sealed by Vinu J Abraham, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by RW Building Consultants, Inc., dated 10/13/05, signed and sealed by Wendell W. Haney, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

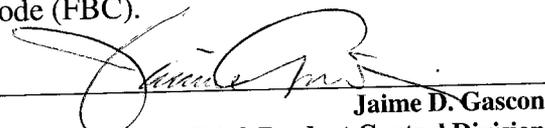
1. Notice of Acceptance No. **01-1204.01** issued to **E.I. DuPoint DeNemours** for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated 10/13/05, signed and sealed by Wendell W. Haney, P.E.
2. Statement letter of conformance and no financial interest, dated 09/23/05, signed by James D. Hatton III Vice President, Sun Metals Systems, Inc.

**G. OTHER**

1. Letter from the consultant, dated March 15, 2006, stating that the product is in compliance with the Florida Building Code (FBC).

  
\_\_\_\_\_  
**Jaime D. Gascon**  
Chief, Product Control Division  
NOA No 05-1018.05  
Expiration Date: April 06, 2011  
Approval Date: April 06, 2006

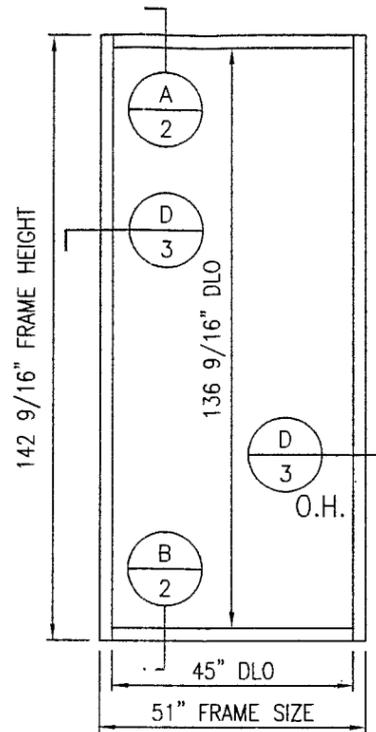


# SUN - 1000WW WINDOW WALLS SYSTEM

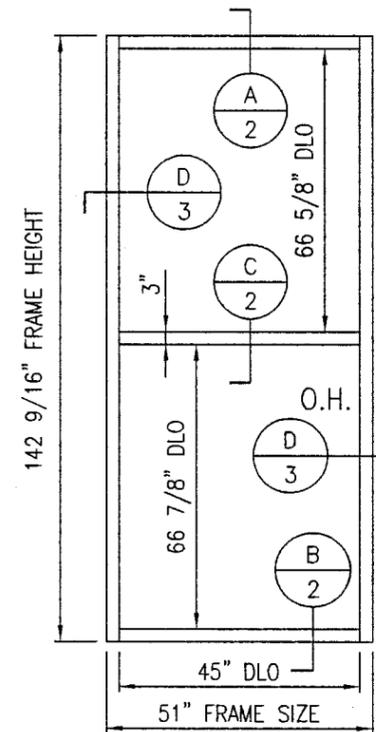
### GENERAL NOTES

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC 2004) INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ).
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
3. WHEN USED IN THE "HVHZ" THIS PRODUCT COMPLIES WITH SECTION 1626 OF THE FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
4. WHEN USED IN AREAS OUTSIDE OF THE "HVHZ" REQUIRING WIND-BORNE DEBRIS PROTECTION THIS PRODUCT COMPLIES WITH SECTION 1609.1.4 OF THE FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
5. FOR 2X STUD FRAMING CONSTRUCTION, THE ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION.
6. CONDITIONS NOT COVERED BY THIS DRAWING ARE SUBJECT TO FURTHER ENGINEERING ANALYSIS.
7. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
8. FOR DESIGN PRESSURE RATING SEE CHART THIS SHEET.
9. THIS PRODUCT MEETS THE WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.
10. ALL FRAME ASSEMBLY SCREWS TO BE 1/4" X 1-1/4" STAINLESS STEEL SHEET METAL SCREWS.
11. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

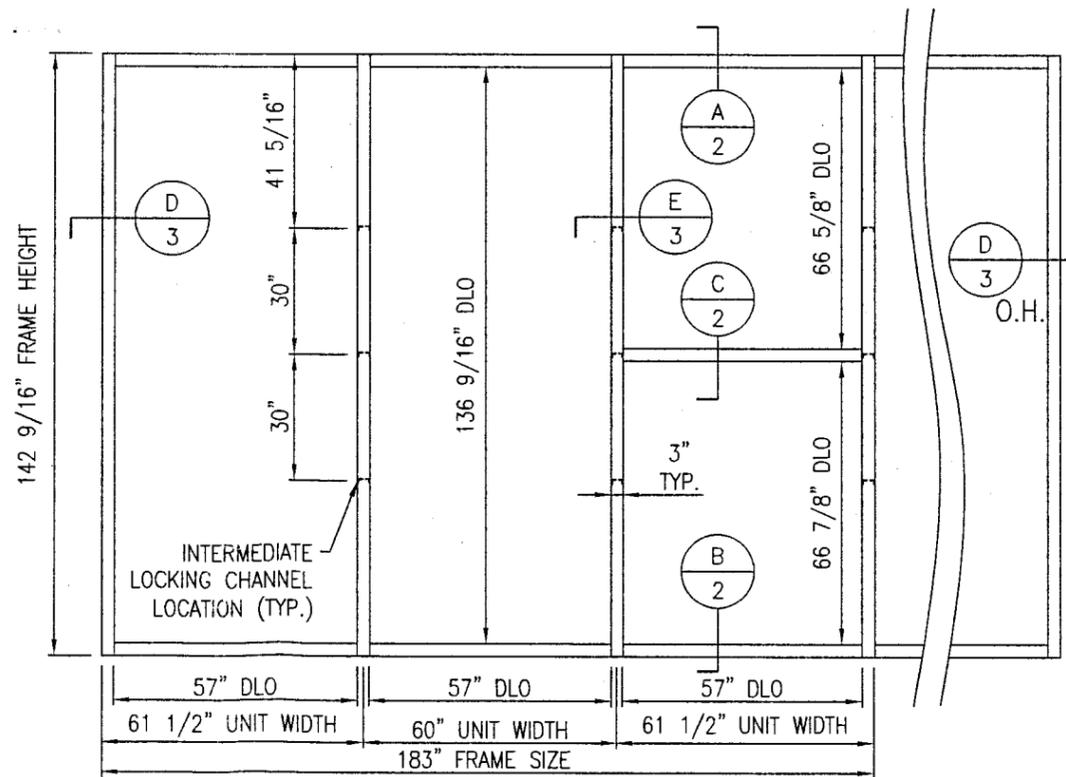
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURE & GENERAL NOTES
2	HORIZONTAL CROSS SECTIONS
3	VERTICAL CROSS SECTIONS & GLAZING DETAIL
4	BILL OF MATERIALS & COMPONENTS
5	WINDOW ANCHORING
6	WINDOW ANCHORING
7	WINDOW ANCHORING



SINGLE LITE PUNCH WINDOW



MULTIPLE LITE PUNCH WINDOW



SUN-1000WW WINDOW WALL SYSTEM  
SINGLE AND / OR MULTIPLE LITE  
DESIGN PRESSURE: ± 87.0 PSF.

Approved as complying with the  
Florida Building Code  
Date 04/06/06  
NOA# 05-1018.05  
Miami Dade Product Control  
Division  
By [Signature]

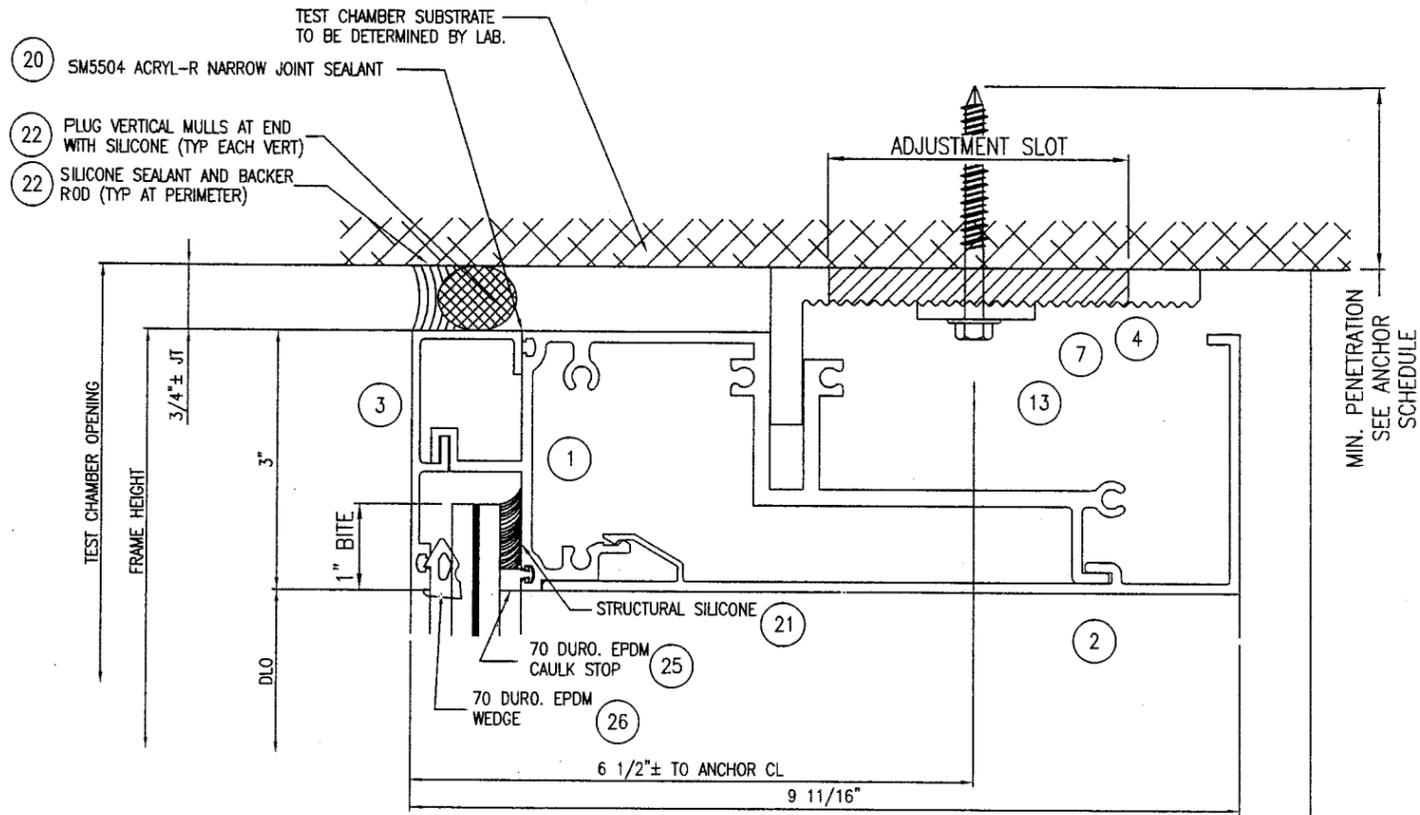
Documents Prepared By:  
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
Florida Board of Professional Engineers  
Certificate Of Authorization No. 9813  
[Signature] 2-4-06  
Wendell W. Haney, P.E. No. 54158

PRODUCT: SUN METALS - SUN-1000WW WINDOW WALL SYSTEM SINGLE AND / OR MULTIPLE  
PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURE & GENERAL NOTES

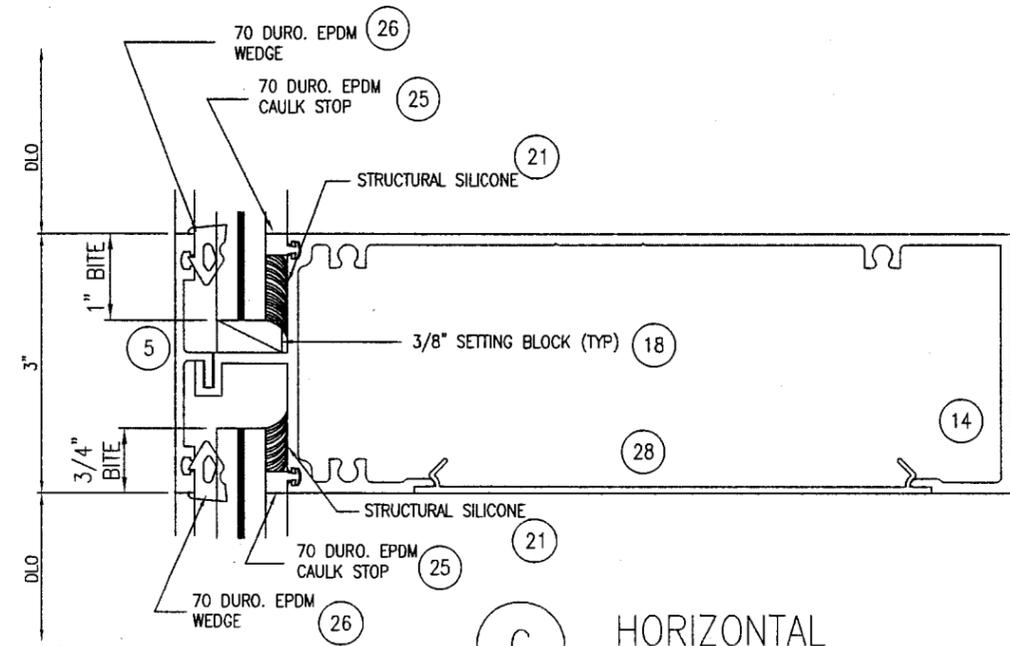
NO.	DATE	REVISIONS	WH	BY
1	02/14/06	REVISED PER DADE LETTER		

DATE: 10/05/05  
SCALE: NTS  
DWG. BY: EW  
CHK. BY: WWH  
DRAWING NO.: SUN1000WWLMI  
SHEET 1 OF 7

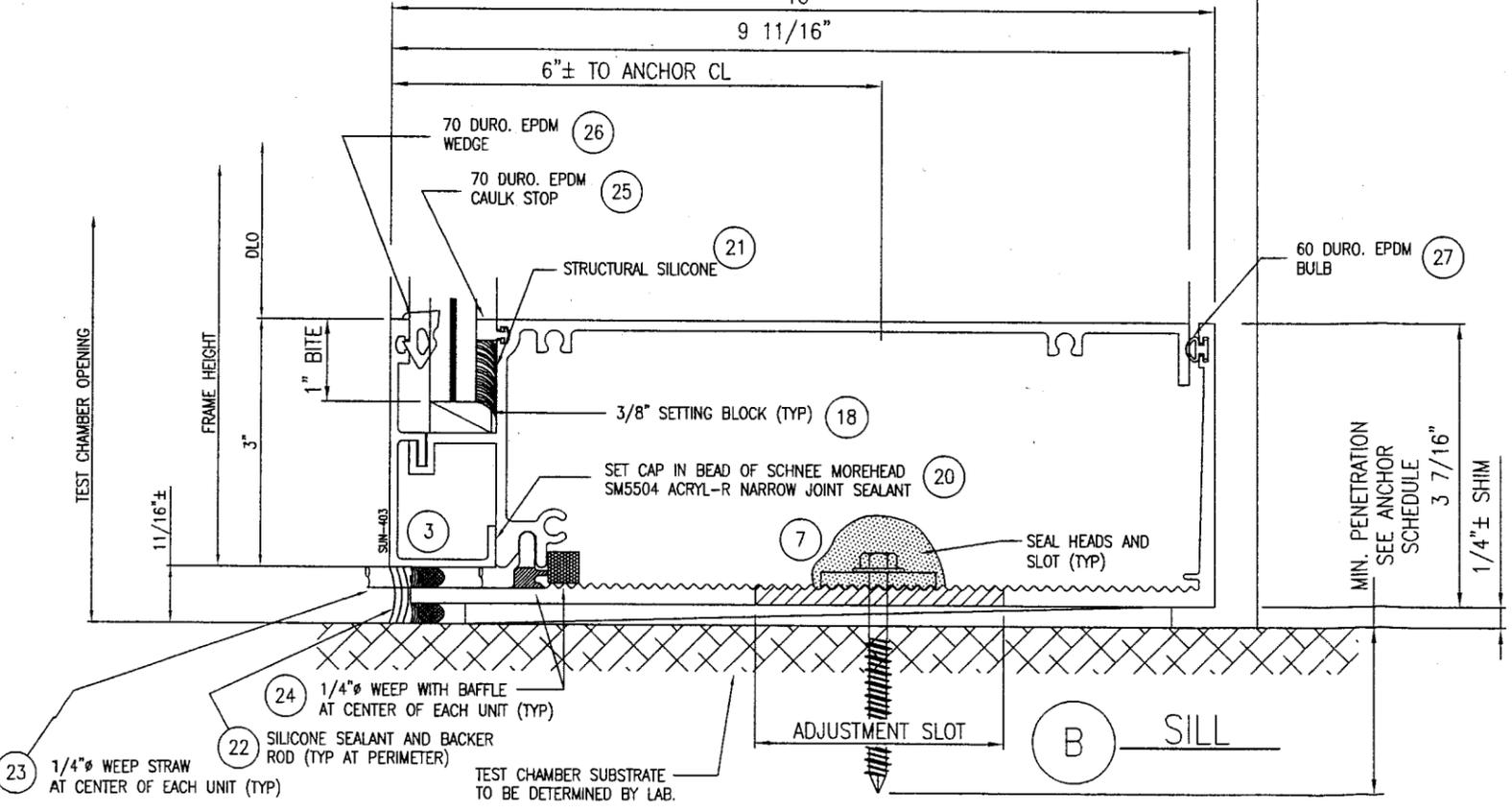
R:\PROJ 801 - 900\PR83A\RWBC-SUN-1000WW-LM1 REV\RWBC-SUN-1000WW-LM1.DWG



**A HEAD**



**C HORIZONTAL**



**B SILL**

ANCHOR SCHEDULE		
SUBSTRATE	ANCHOR	SPACING
CONCRETE:	5/16"Ø TAPCON WITH 1 1/4" EMBEDMENT INTO CONCRETE.	SEE SHEET #7
STEEL: (16 GA. MIN.)	5/16"Ø SMS	SEE SHEET #5
WOOD: 1 X	5/16"Ø TAPCON WITH 1 1/4" EMBEDMENT INTO CONCRETE.	SEE SHEET #7
WOOD: 2 X	3/8"Ø WOOD SCREW WITH 2 1/4" EMBEDMENT. (REQUIRES DOUBLE 2X)	SEE SHEET #6

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 Date: 04/06/06  
 NOA# 05-1018-05  
 Miami Dade Product Control Division  
 By: *[Signature]*

DATE: 10/05/05  
 SCALE: NTS  
 DWG. BY: EW  
 CHK. BY: WWH  
 DRAWING NO.: SUN1000WWLM1  
 SHEET 2 OF 7

Documents Prepared By:  
**RW** BUILDING CONSULTANTS, INC.  
 P.O. Box 230 Valrico FL 33595  
 Phone No.: 813.556.9197  
 Florida Board of Professional Engineers  
 Certificate of Authorization No. 9813  
*[Signature]* 2-19-06  
 Wendell W. Haney, P.E. No. 54158

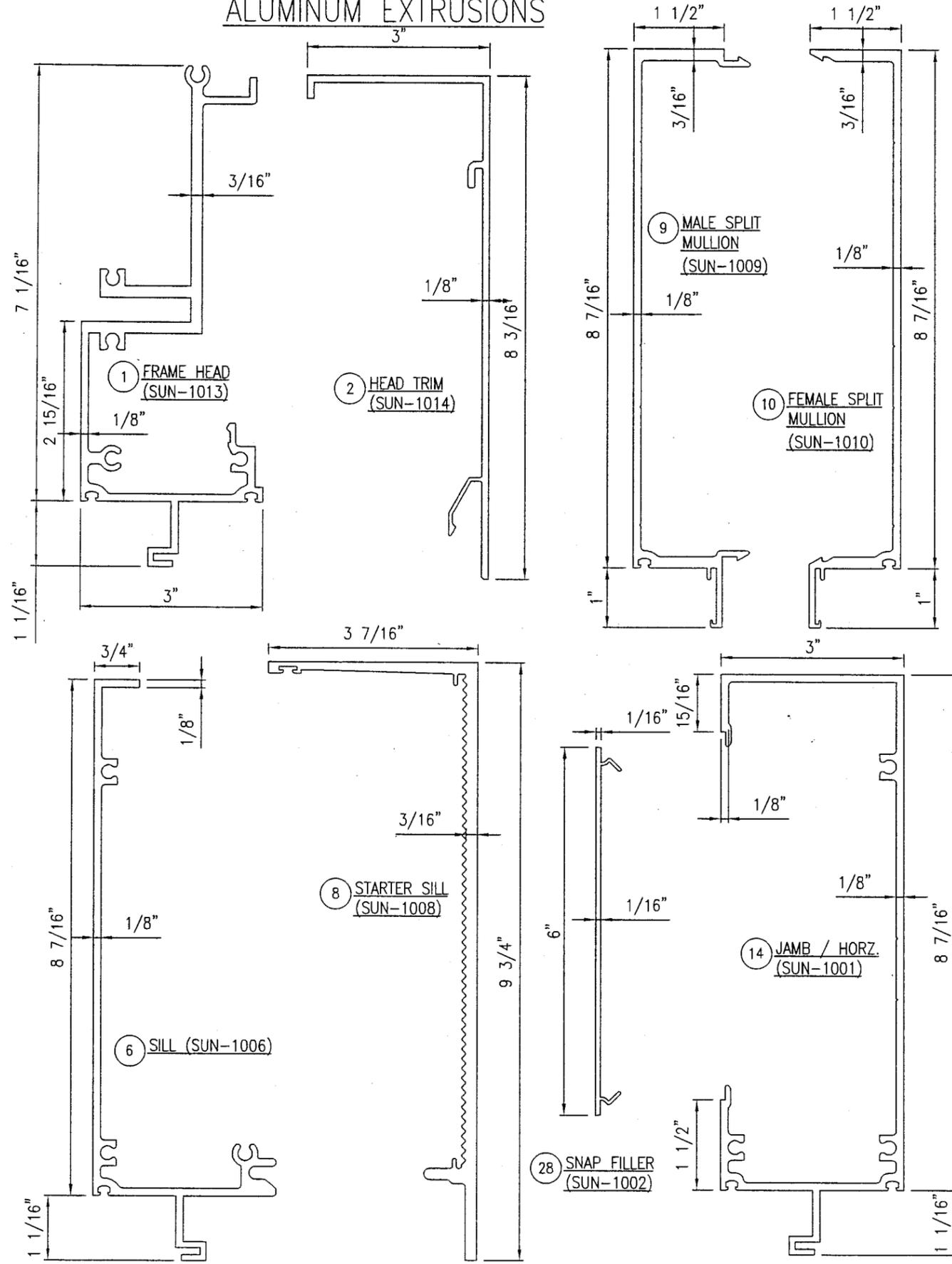
PRODUCT:  
 SUN METALS - SUN-1000WW  
 WINDOW WALL SYSTEM  
 SINGLE AND / OR MULTIPLE

PART OR ASSEMBLY:  
 HORIZONTAL CROSS SECTION &  
 GLAZING DETAILS

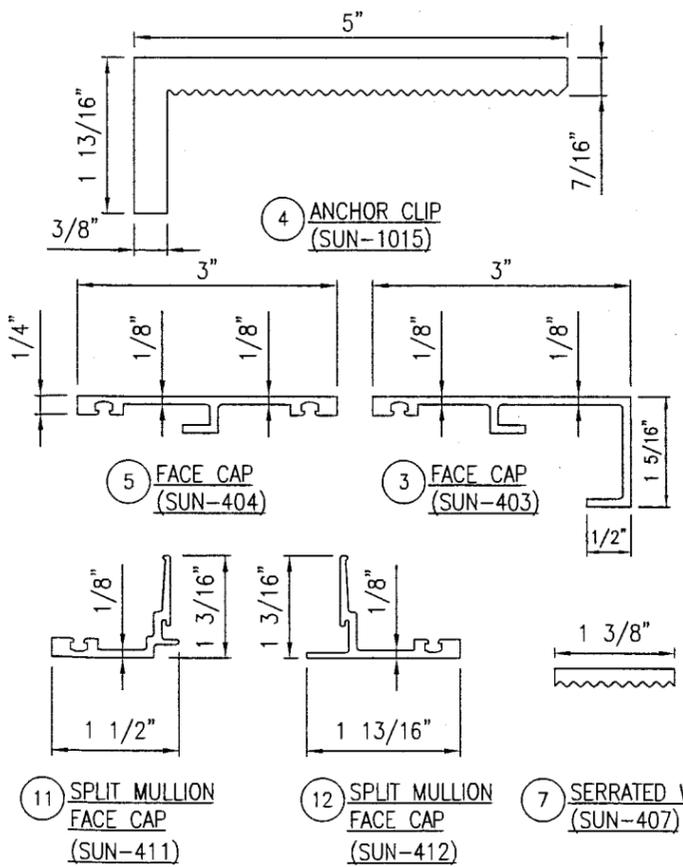
NO	DATE	REVISIONS	WH	BY
1	02/14/06	REVISED PER DADE LETTER		



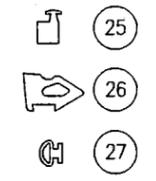
# ALUMINUM EXTRUSIONS



Bill of Materials				
Item#	Part#	Description	Material	Manufacturer/Supplier/Comments
1	SUN-1013	FRAME HEAD	6063-T6	
2	SUN-1014	HEAD TRIM	6063-T6	
3	SUN-403	FACE CAP	6063-T6	
4	SUN-1015	ANCHOR CLIP (6" LONG WITH ADJ SLOTS)	6005-T5	
5	SUN-404	FACE CAP	6063-T6	
6	SUN-1006	SILL	6063-T6	
7	SUN-407	SERRATED WASHER	6063-T6	
8	SUN-1008	STARTER SILL	6063-T6	
9	SUN-1009	MALE SPLIT MULLION	6063-T6	
10	SUN-1010	FEMALE SPLIT MULLION	6063-T6	
11	SUN-411	SPLIT MULLION FACE CAP	6063-T6	
12	SUN-412	SPLIT MULLION FACE CAP	6063-T6	
13	-	3/8" ANCHOR (SEE SHEET 2)	SAE GR 2	
14	SUN-1001	JAMB/HORIZONTAL	6063-T6	
15	-	0.040 ALUM BREAKMETAL END DAMN	5005-H14	
16	-	FRAME ASSY SCREW: 1/4" X 1-1/2" PH SMS	18-8 SS	
17	-	NOT USED	-	
18	-	3/8" EPDM SETTING BLOCK (4" LONG)	-	
19	-	TAPE SEALANT	-	SCHNEE MOREHEAD SM5601 (OR EQ)
20	-	SEAM SEALER	-	SCHNEE MOREHEAD SM5504 (OR EQ)
21	-	STRUCTURAL SILICONE	SILICONE	TREMCO SPECTRUM II OR EQUAL
22	-	PERIMETER SILICONE SEALANT	SILICONE	TREMCO PROGLAZE II OR EQUAL
23	-	WEEP STRAW	-	
24	-	WEEP BAFFLE	-	
25	-	EXTRUDED 70 DURO. EPDM CAULK STOP GASKET	EPDM	TREMCO (OR EQUAL)
26	-	EXTRUDED 70 DURO. EPDM WEDGE GASKET	EPDM	TREMCO (OR EQUAL)
27	-	EXTRUDED 60 DURO. EPDM BULB GASKET	EPDM	TREMCO (OR EQUAL)
28	SUN-1002	SNAP FILLER	6063-T6	



## GASKETS



Approved as complying with the Florida Building Code  
 Date 04/06/06  
 NOA# 05-1018.05  
 Miami Dade Product Control  
 Division  
 By [Signature]

Documents Prepared By: **RW** BUILDING CONSULTANTS, INC.  
 P.O. Box 230 Volrico FL 33595  
 Phone No.: 813.659.9197  
 Florida Board of Professional Engineers  
 Certificate of Authorization No. 9813  
 Wendell W. Haney, P.E. No. 54158

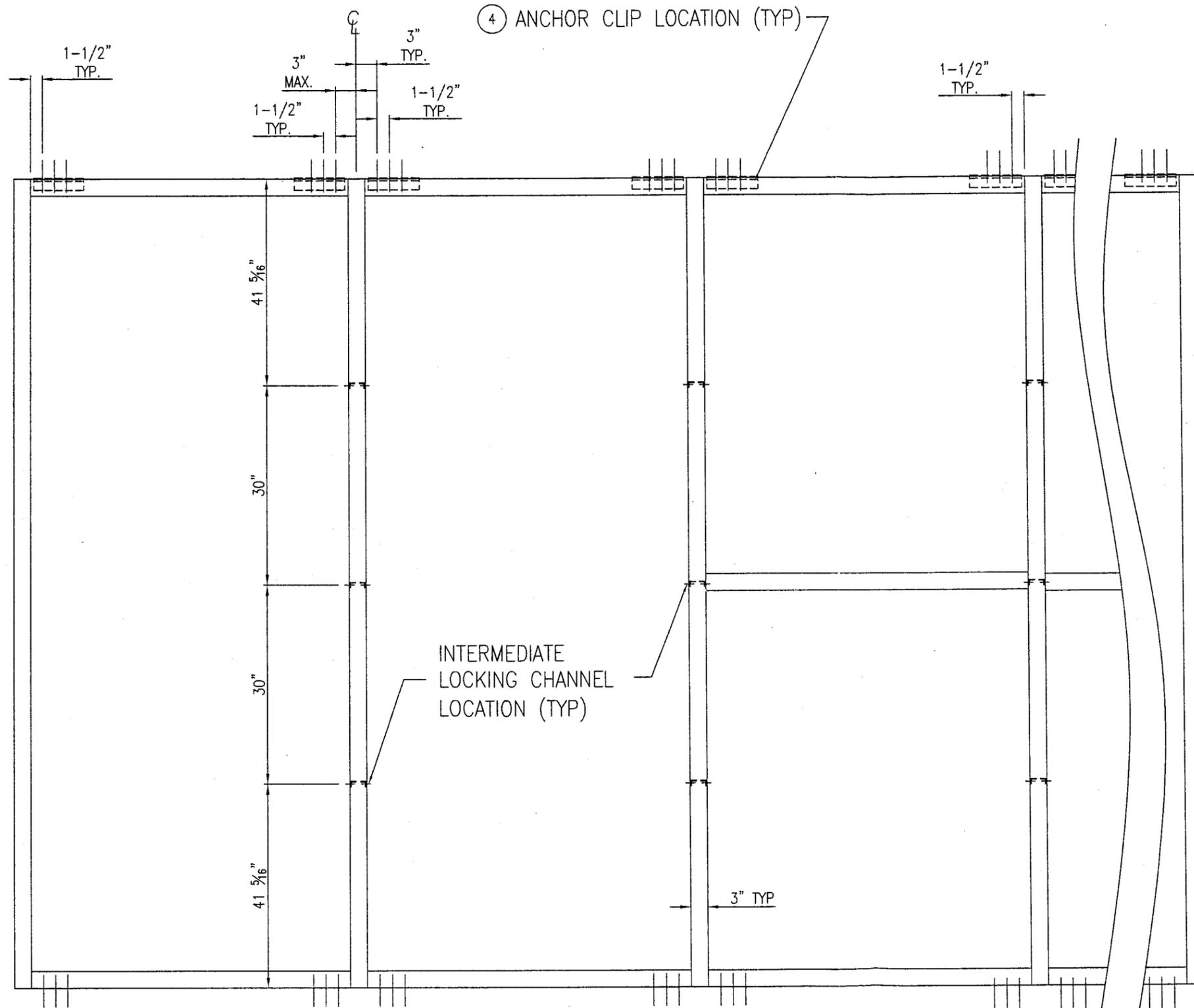
PRODUCT: SUN METALS - SUN-1000WW WINDOW WALL SYSTEM SINGLE AND / OR MULTIPLE PART OR ASSEMBLY: BILL OF MATERIALS 7 COMPONENTS

NO.	DATE	REVISED PER	DATE LETTER	WH	BY
1	02/14/06				

REVISIONS

DATE: 10/05/05  
 SCALE: NTS  
 DWG. BY: EW  
 CHK. BY: WWH  
 DRAWING NO.: SUN1000WWLM1  
 SHEET 4 OF 7

R:\PROJ 801 - 900\PE834\RWBC-SUN-1000WW-LM1 REV\RWBC-SUN-1000WW-LM1.DWG



ANCHORING USING 5/16" SHEET METAL SCREWS  
(FOR ANCHORING TO 16 GA. MIN STEEL SUBSTRATE)

NOTES:

- FOR INSTALLATION UTILIZING DIFFERENT ANCHOR SUBSTRATES WITHIN THE SAME ROUGH OPENING, USE THE APPROPRIATE ANCHORING FOR EACH SUBSTRATE. FOR EXAMPLE, IF THE SILL IS ATTACHED TO A CONCRETE SLAB AND THE HEAD AND JAMBS ATTACHED TO 2X BUCK THEN USE THE TAPCON LAYOUT FOR THE SILL AND THE WOOD SCREW LAYOUT FOR THE HEAD AND JAMBS.
- SEE ANCHOR SCHEDULE, SHEET #2

Approved as complying with the  
Florida Building Code  
Date 04/06/06  
NOA# 05-1018.05  
Miami Dade Product Control  
Division  
By [Signature]

DATE: 10/05/05  
SCALE: NTS  
DWG. BY: EW  
CHK. BY: WWH  
DRAWING NO.: SUN1000WWLM!  
SHEET 5 OF 7

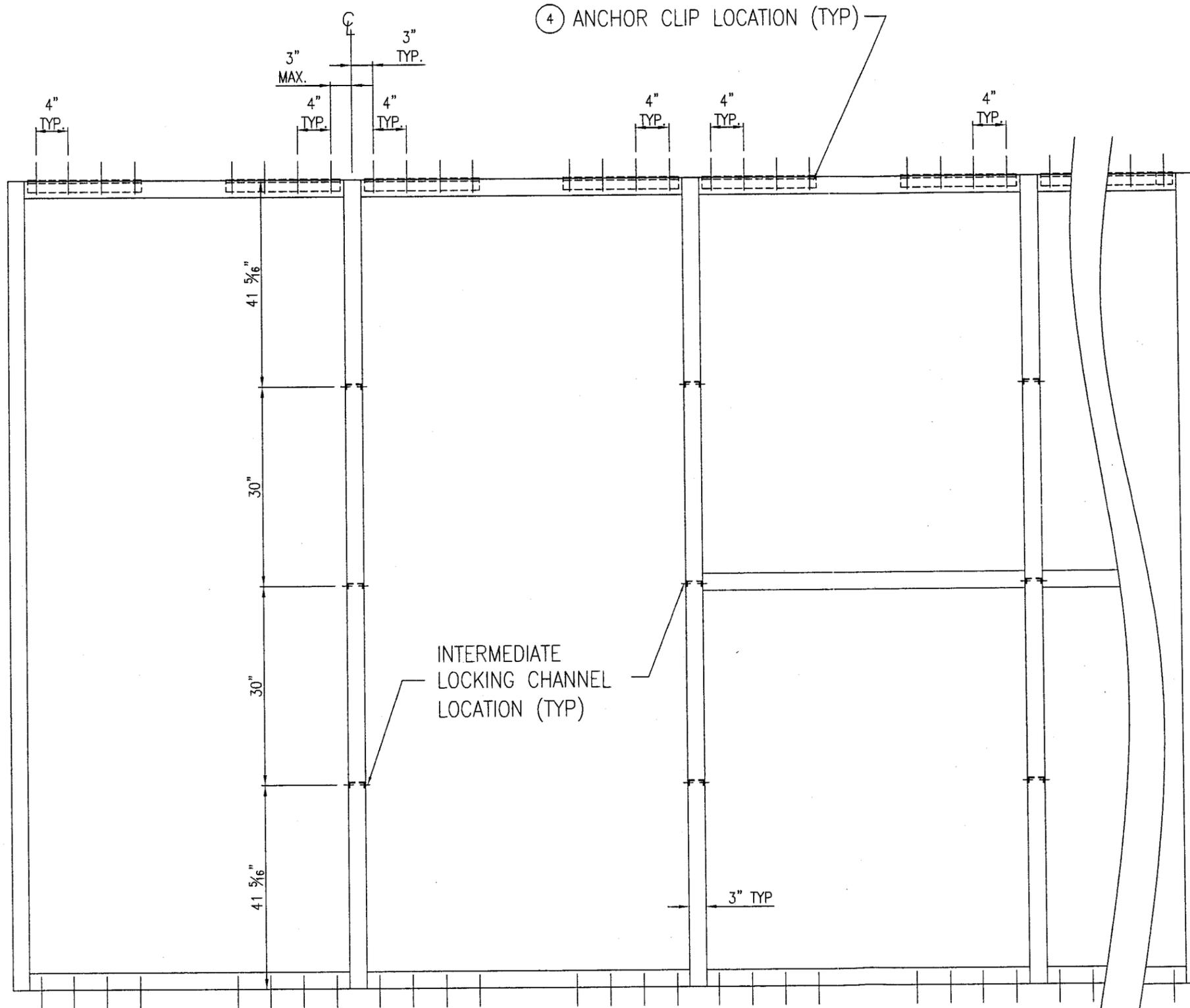
PRODUCT:  
SUN METALS - SUN-1000WW  
WINDOW WALL SYSTEM  
SINGLE AND / OR MULTIPLE  
PART OR ASSEMBLY:  
WINDOW ANCHORING

NO.	DATE	WH	BY	REVISIONS
1	02/14/06	REVISED PER DADE LETTER		

Documents Prepared By:

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
Phone No.: 813.659.9197  
Florida Board of Professional Engineers  
Certificate Of Authorization No. 9813  
[Signature] 2-14-06  
Wendell W. Hatley, P.E. No. 54158





ANCHORING USING 5/16" ELCO TAPCONS  
(FOR ANCHORING TO CONCRETE OR HOLLOW BLOCK)

NOTES:

1. FOR INSTALLATION UTILIZING DIFFERENT ANCHOR SUBSTRATES WITHIN THE SAME ROUGH OPENING, USE THE APPROPRIATE ANCHORING FOR EACH SUBSTRATE. FOR EXAMPLE, IF THE SILL IS ATTACHED TO A CONCRETE SLAB AND THE HEAD AND JAMBS ATTACHED TO 2X BUCK THEN USE THE TAPCON LAYOUT FOR THE SILL AND THE WOOD SCREW LAYOUT FOR THE HEAD AND JAMBS.
2. SEE ANCHOR SCHEDULE, SHEET #2

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Date 04/06/06  
NOA# 05-1018.05  
Miami Dade Product Control  
Division  
By *[Signature]*

DATE:	10/05/05
SCALE:	NTS
DWG. BY:	EW
CHK. BY:	WWH
DRAWING NO.:	SUN1000WWLM1
SHEET	7 OF 7

PRODUCT:	SUN METALS - SUN-1000WW WINDOW WALL SYSTEM SINGLE AND / OR MULTIPLE PART OR ASSEMBLY:
NO.	1
DATE	02/14/06
REVISIONS	REVISED PER DADE LETTER
WH	BY
BY	

Documents Prepared By:  
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Vairico FL 33595  
Phone No.: 813.659.9197  
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Certificate of Authorization No. 9813  
*[Signature]* 2-A-06  
Wendell W. Haney, P.E. No. 54158