



**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**

NOTICE OF ACCEPTANCE (NOA)

**Sun Metals Systems, Inc.
5140 W. Clifton Street
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "450" Aluminum Window Wall-LMI

APPROVAL DOCUMENT: Drawing No. **SUN-450WW-LMI**, titled "Window Wall", sheets 1 through 6 of 6, prepared by manufacturer, dated 10/14/02 with revision on 4/1/03, 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 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-0109.10
Expiration Date: May 29, 2008
Approval Date: May 29, 2003
Page 1**

Sun Metals Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **SUN-450WW-LMI**, titled "Window Wall", sheets 1 through 6 of 6, prepared by manufacturer, dated 10/14/02 with revision on 4/1/03.

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 an aluminum window wall, prepared by Certified Testing Laboratories, Test Report No. CTLA-974W dated 12/11/02, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by R.W. Building Consultants, Inc., dated 4/16/03, signed and sealed by Lyndon Schimdt, P.E.

D. MATERIAL CERTIFICATIONS

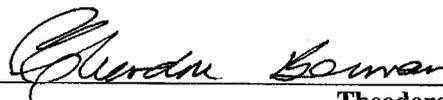
1. Notice of Acceptance No. **02-0916.04** issued to Viracon, Inc. for "StormGuard (laminate)" dated 5/17/01, expiring on 5/21/06.

E. STATEMENTS

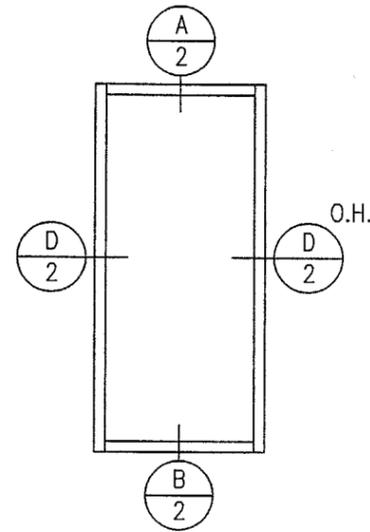
1. Statement letter of conformance, dated 1/6/03, signed and sealed by Lyndon Schimdt, P.E.
2. Statement letter of no financial interest, dated 1/6/03, signed and sealed by Lyndon Schimdt, P.E.
3. Statement letter of no financial interest, dated 12/19/02, signed by Jay Hatton.
4. Letter from R.W Building Consultants, Inc., dated 4/9/03, responding to information requested on.

F. OTHER

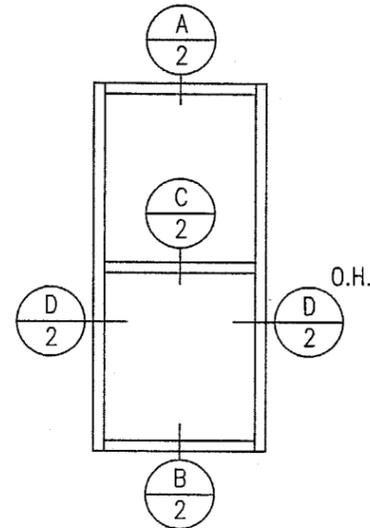
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



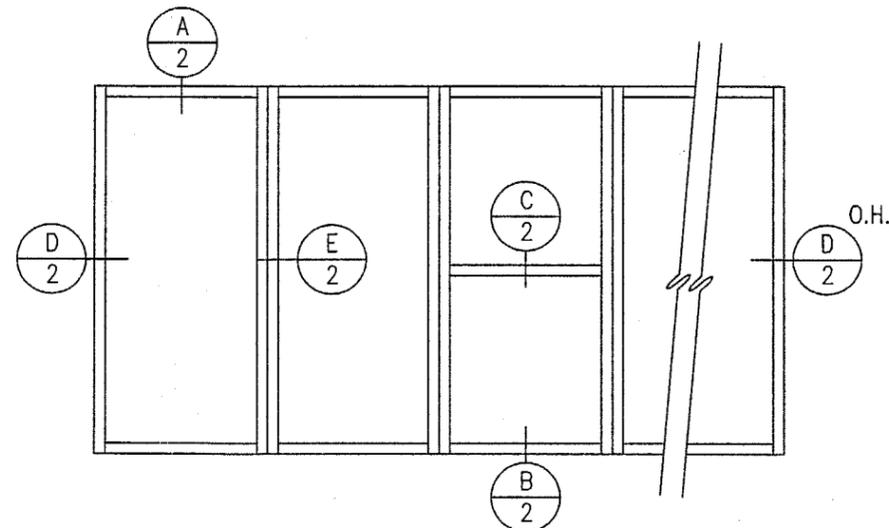
Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0109.10
Expiration Date: May 29, 2008
Approval Date: May 29, 2003



SINGLE LIGHT
PUNCH WINDOW



DOUBLE LIGHT
PUNCH WINDOW



CONTINUOUS WINDOW WALL
SINGLE AND/OR DOUBLE LITE

OPTIONAL ELEVATIONS

GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT - 9/16" LAMINATED

- (1) INSIDE LITE, 1/4" HS / .100 SAFLEX HP / OUTSIDE LITE, 1/4" HS (3/4" BITE)
- (2) INSIDE LITE, 1/4" HS / .100 SENTRY PLUS / OUTSIDE LITE, 1/4" HS (3/4" BITE)

FOR INSTALLATIONS UP TO 30 FEET ABOVE GRADE. SHUTTERS ARE NOT REQUIRED

DESIGN PRESSURES:

+115 PSF
-115 PSF

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NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE 2001 FLORIDA BUILDING CODE AND PER ASCE 7-98 CORRESPONDING WIND LOADS.
2. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

SUN METALS SYSTEMS, INC.
 5140 W. CLIFTON STREET (813) 886-0666
 TAMPA, FLORIDA 33634 (813) 881-0812 (Fax)

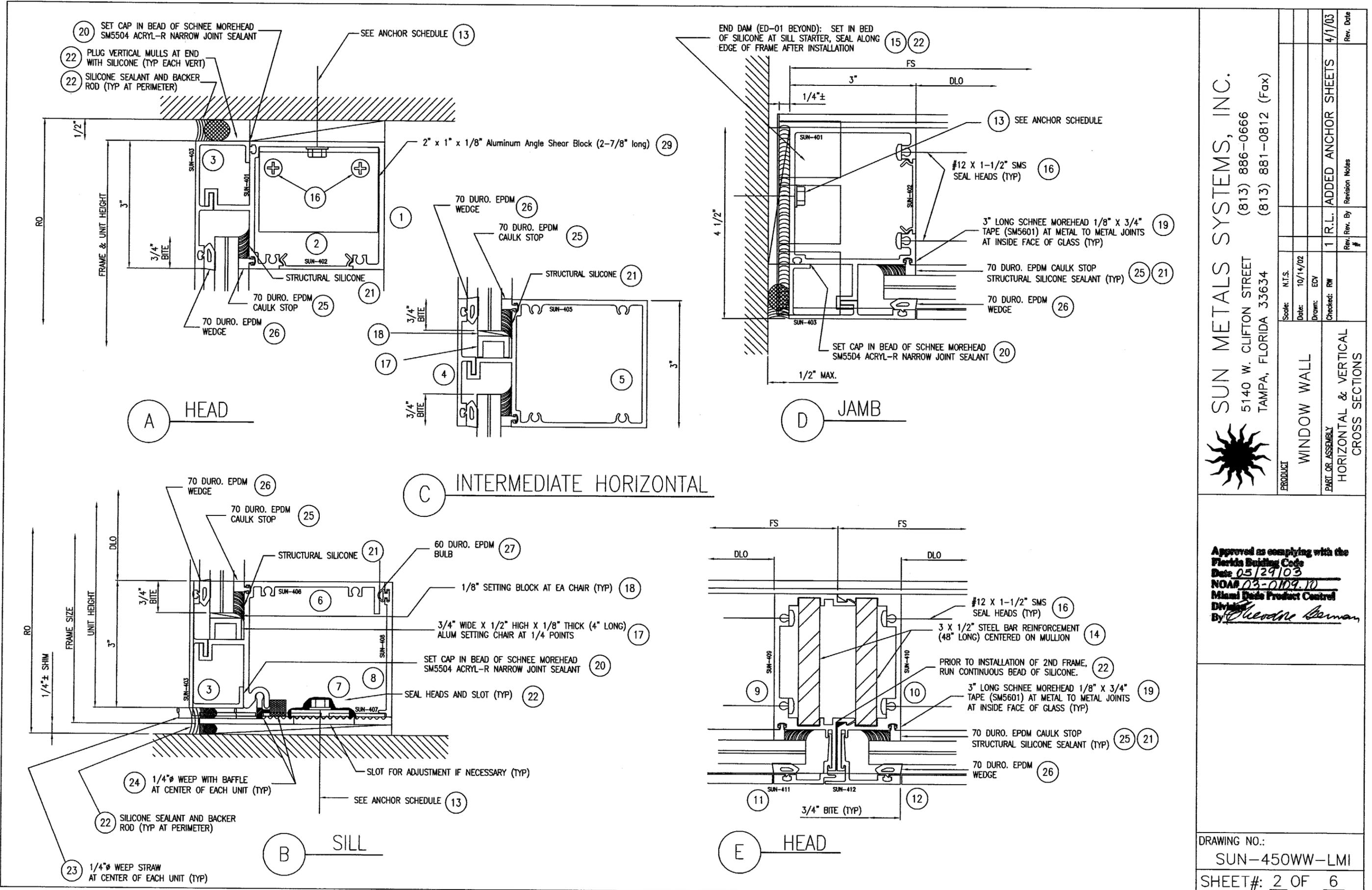


Scale: N.T.S.	Rev. #	Rev. Date
Date: 10/14/02	1	4/1/03
Drawn: ECV	R.L. ADDED ANCHOR SHEETS	
Checked: RW	Revision Notes	
PRODUCT: WINDOW WALL	ELEVATIONS & GENERAL NOTES	

Approved as complying with the
 Florida Building Code
 Date 05/29/03
 NOA# 03-0109-10
 Miami Dade Product Control
 Div. By: *Glenn Roman*

DRAWING NO.:
SUN-450WW-LMI

SHEET #: 1 OF 6



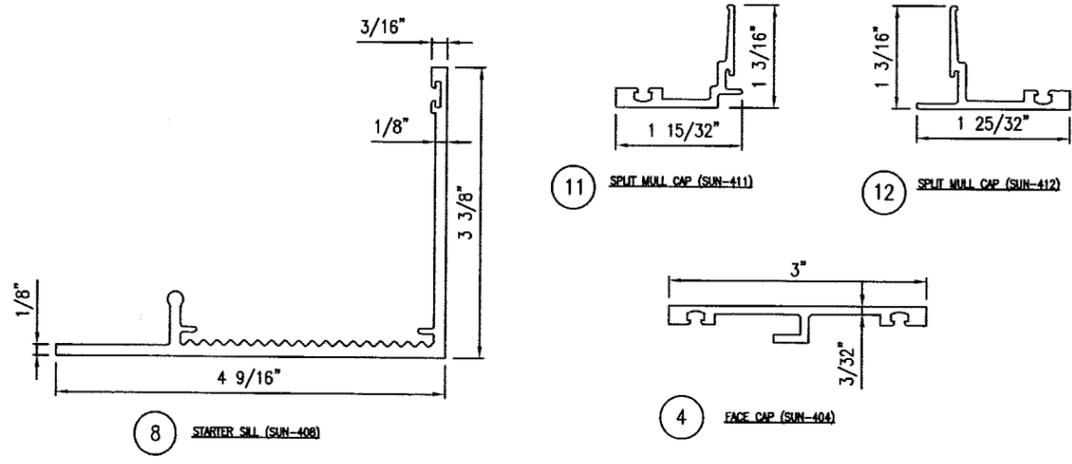
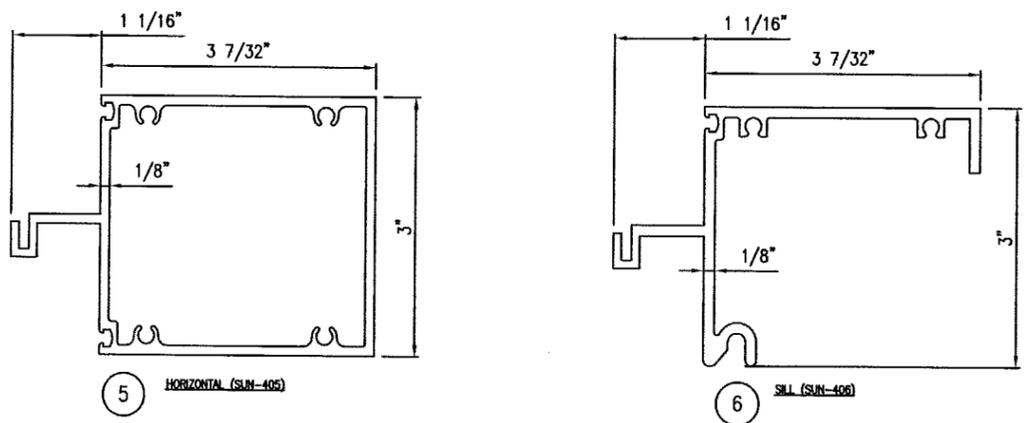
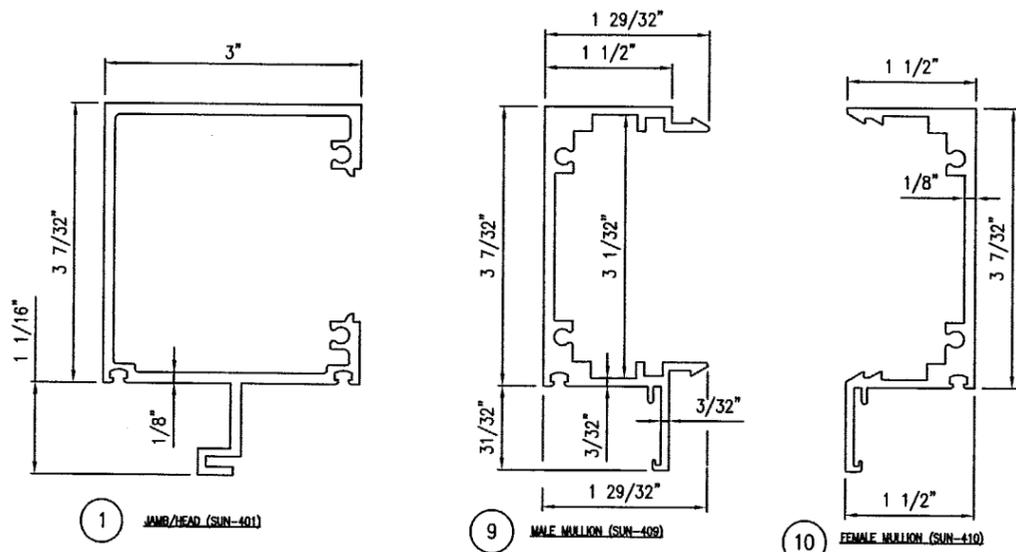
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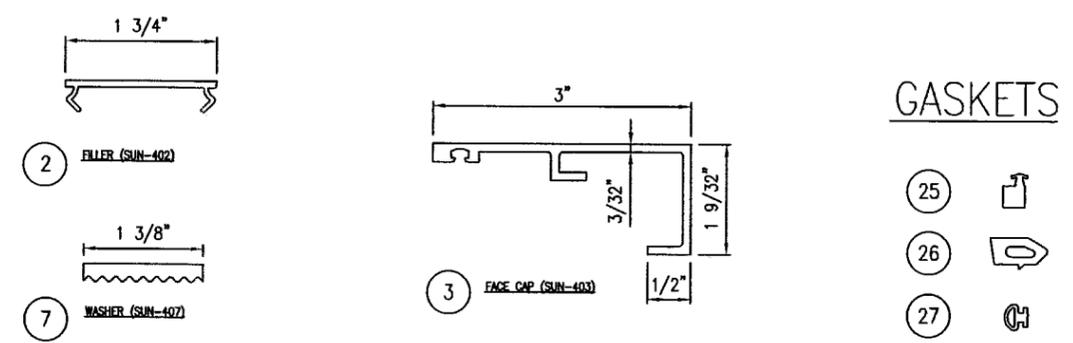
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Drawn: ECV	1	Checked: RW	4/1/03
Product: WINDOW WALL	R.L. ADDED ANCHOR SHEETS		
Part or Assembly: HORIZONTAL & VERTICAL CROSS SECTIONS	Revision Notes		

Approved as complying with the Florida Building Code
 Date: 05/29/03
 NOA# 03-0109.10
 Miami Code Product Control
 Div. 1
 By: *Chedore Gorman*

DRAWING NO.: SUN-450WW-LMI
 SHEET#: 2 OF 6



Bill of Materials			
Item#	Part#	Description	Material
1	SUN-401	FRAME JAMB/HEAD	6063-T6
2	SUN-402	SNAP FILLER	6063-T6
3	SUN-403	FACE CAP	6063-T6
4	SUN-404	FACE CAP	6063-T6
5	SUN-405	HORIZONTAL	6063-T6
6	SUN-406	SILL	6063-T6
7	SUN-407	CERRATED WASHER	6063-T6
8	SUN-408	STARTER SILL	6063-T6
9	SUN-409	MALE SPLIT MULLION	6063-T6
10	SUN-410	FEMALE SPLIT MULLION	6063-T6
11	SUN-411	SPLIT MULLION FACE CAP	6063-T6
12	SUN-412	SPLIT MULLION FACE CAP	6063-T6
13	-	ANCHOR PER SCHEDULE (SHT 2 OF 4)	-
14	-	REINFORCEMENT: 3 X 1 1/2" STEEL BAR (48" LONG)	A36
15	-	0.040 ALUM BREAKMETAL END DAMN	5005-H14
16	-	FRAME ASSY SCREW: #12 X 1-1/2" SMS	-
17	-	SETTING CHAIR (4" LONG): 3/4"x 1/2"x 1/8" ALUM CH	6063-T5
18	-	1/8" EPDM SETTING BLOCK (4" LONG)	-
19	-	TAPE SEALANT (SCHNEE MOREHEAD SM5601)	-
20	-	SEAM SEALER (SCHNEE MOREHEAD SM5504)	-
21	-	STRUCTURAL SILICONE (TREMCO SPECTRUM II)	SILICONE
22	-	PERIMETER SILICONE SEALANT (TREMCO PROGLAZE II)	SILICONE
23	-	WEEP STRAW	-
24	-	WEEP BAFFLE	-
25	-	EXTRUDED 70 DURO. EPDM CAULK STOP GASKET (TREMCO)	EPDM
26	-	EXTRUDED 70 DURO. EPDM WEDGE GASKET (TREMCO)	EPDM
27	-	EXTRUDED 60 DURO. EPDM BULB GASKET (TREMCO)	EPDM
28	-	NOT USED	-
29	-	L2"x 1"x 1/8" ALUM SHEAR BLOCK (2-7/8" LONG)	6063-T6



GASKETS



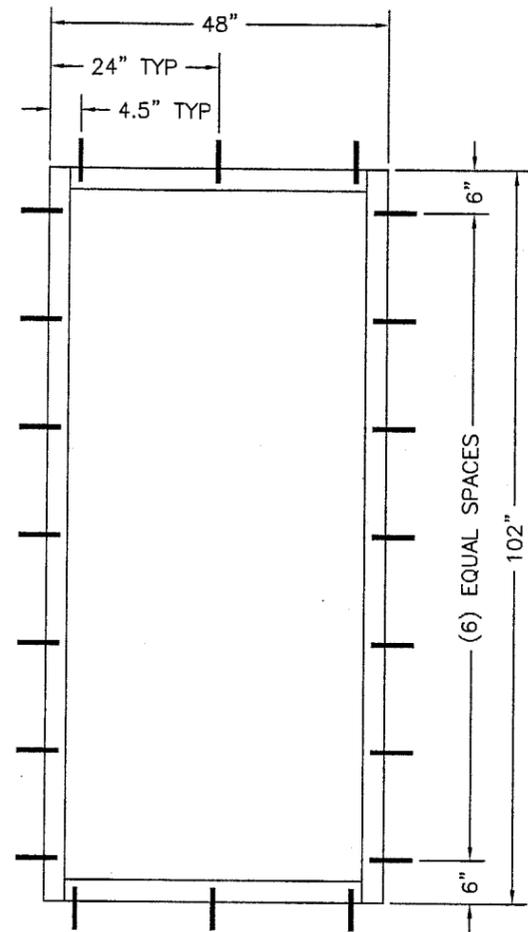
SUN METALS SYSTEMS, INC.
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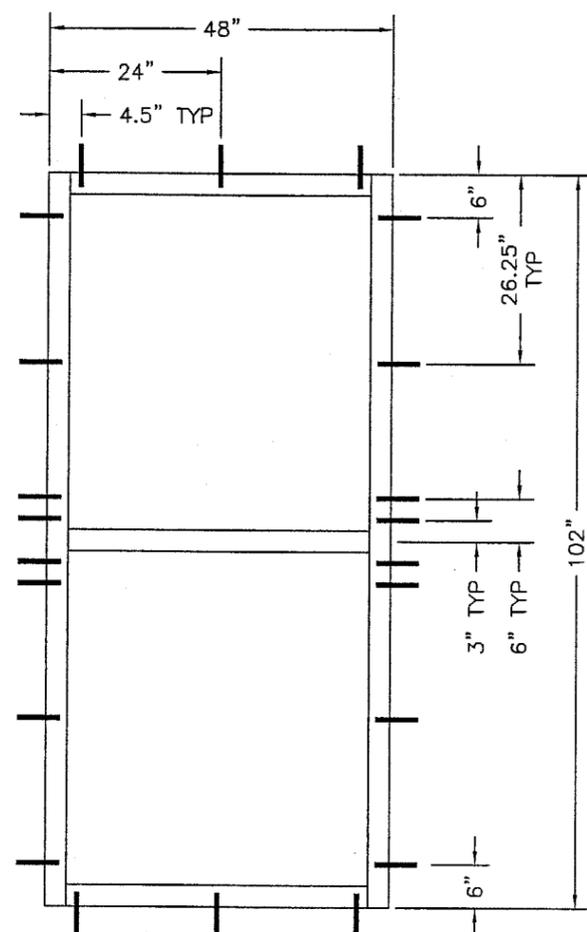
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PRODUCT: WINDOW WALL			PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS		
			1 R.L. ADDED ANCHOR SHEETS		
			4/1/03		

Approved as complying with the Florida Building Code
 Date 05/29/03
 NOA# 03-0109.10
 Miami Dade Product Control
 Division
 By *Cherish Korman*

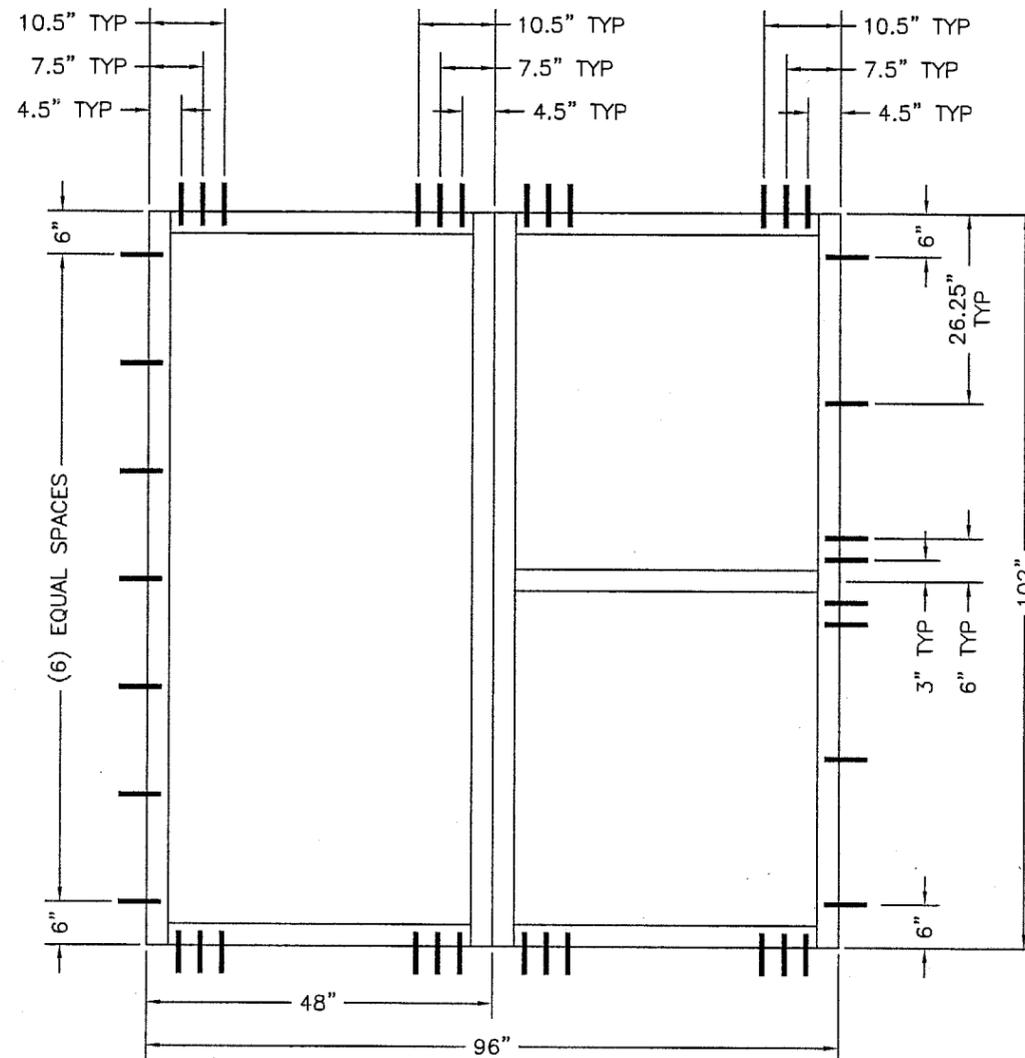
DRAWING NO.: SUN-450WW-LMI
 SHEET#: 3 OF 6



SINGLE LIGHT
PUNCH WINDOW



DOUBLE LIGHT
PUNCH WINDOW



CONTINUOUS WINDOW WALL
SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
WOOD 2X	3/8" ϕ WOOD SCREW WITH 1 1/2" EMBEDMENT



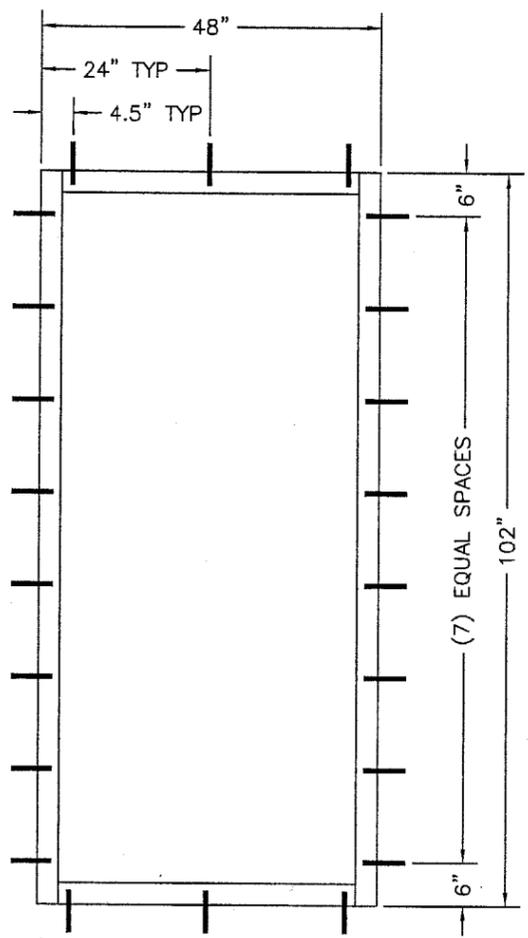
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Date: 10/14/02	1 R.L. ADDED ANCHOR SHEETS	4/1/03
Drawn: ECV	Rev. By	
Checked: RW	#	
PRODUCT: WINDOW WALL	PART OR ASSEMBLY: 3/8" WOOD SCREW ANCHOR ELEVATIONS	

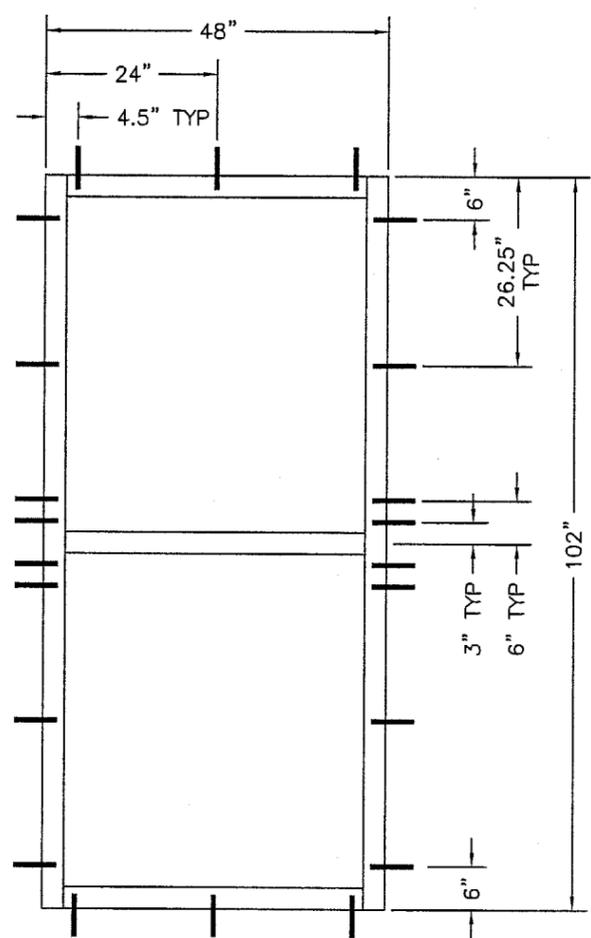
Approved as complying with the
Florida Building Code
Date: 05/29/03
NOA# 03-0109.10
Miami Dade Product Control
Division
By: *Quentin Curran*

DRAWING NO.:
SUN-450WW-LMI

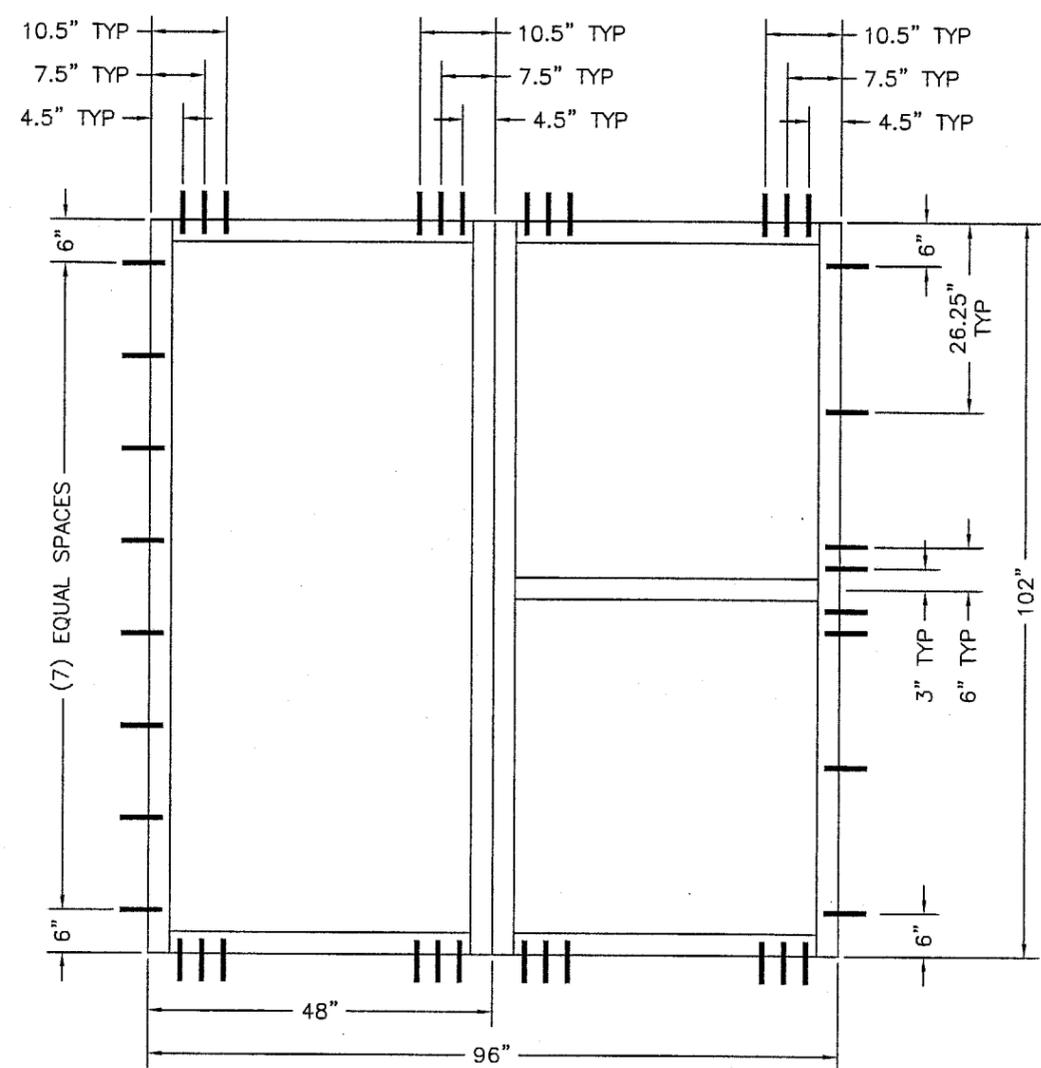
SHEET #: 4 OF 6



SINGLE LIGHT
PUNCH WINDOW



DOUBLE LIGHT
PUNCH WINDOW



CONTINUOUS WINDOW WALL
SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
STEEL (16 GA MIN)	5/16" ϕ SMS

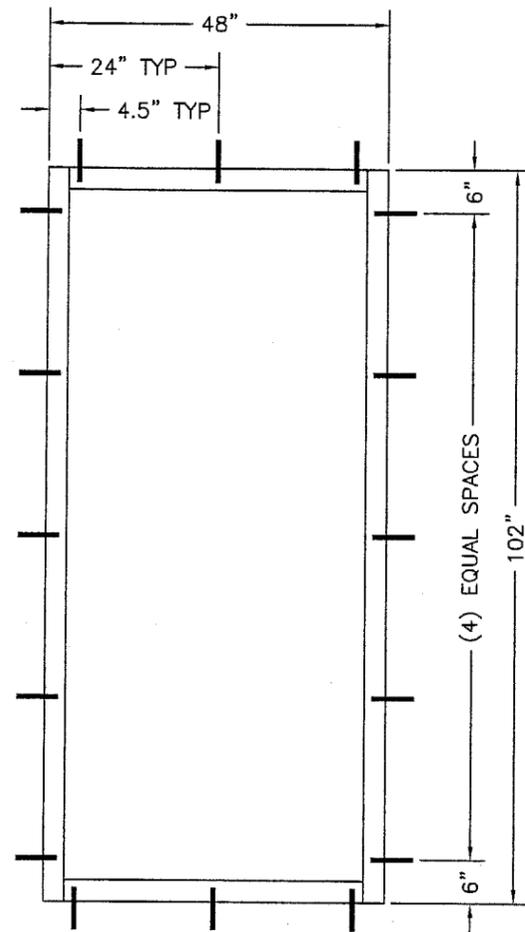
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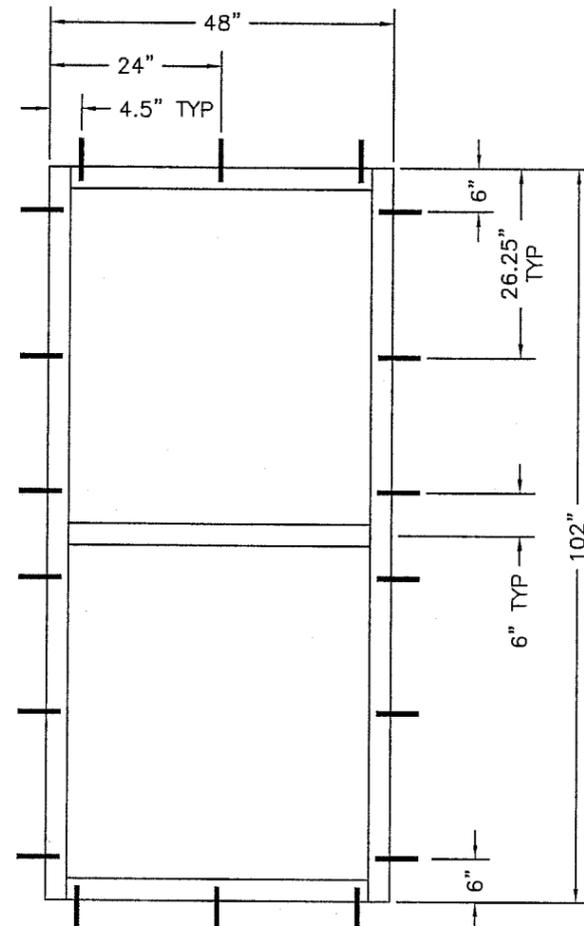
Scale: N.T.S.	Rev. #	Rev. Date
Date: 10/14/02	1	4/1/03
Drawn: ECV	ADDED ANCHOR SHEETS	
Checked: RW	Revision Notes	
PRODUCT: WINDOW WALL	PART OR ASSEMBLY: 5/16" SMS ANCHOR ELEVATIONS	

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 Miami Dade Product Control
 Division
 By *Quedne Gorman*

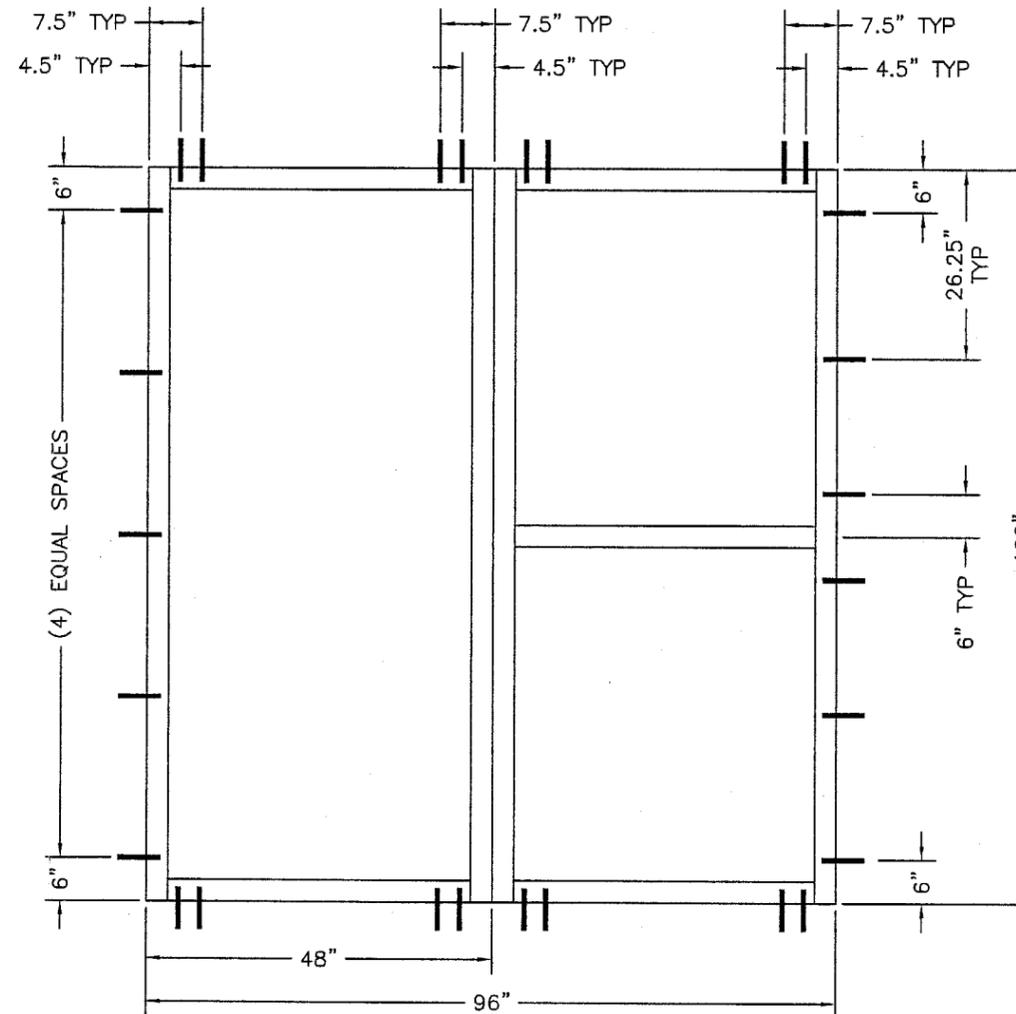
DRAWING NO.:
 SUN-450WW-LMI
 SHEET#: 5 OF 6



SINGLE LIGHT
PUNCH WINDOW



DOUBLE LIGHT
PUNCH WINDOW



CONTINUOUS WINDOW WALL
SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
CONCRETE	5/16" Ø TAPCON WITH 1 3/4" EMBEDMENT INTO CONCRETE
WOOD 1X	5/16" Ø TAPCON WITH 1 3/4" EMBEDMENT INTO CONCRETE



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Date: 10/14/02	1	4/1/03
Drawn: ECV	R.L.	ADDED ANCHOR SHEETS
Checked: RW	Rev. By	Revision Notes
PRODUCT: WINDOW WALL		
PART OR ASSEMBLY: 5/16" TAPCON ANCHOR ELEVATIONS		

Approved as complying with the
Florida Building Code
Date 05/29/03
NOAS 03-0109.10
Miami Dade Product Control
Division
By Wendy Berman

DRAWING NO.:
SUN-450WW-LMI

SHEET #: 6 OF 6