



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

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 450 Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **SUN-450WW-LMI**, titled "Window Wall", sheets 1 through 6 of 6, dated 10/14/02 with revision 2 dated 5/27/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell W. Haney, 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 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 **revises and renews NOA # 03-0109.10** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 08-0605.05
Expiration Date: May 29, 2013
Approval Date: July 24, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **SUN-450WW-LMI**, titled "Window Wall", sheets 1 through 6 of 6, dated 10/14/02 with revision 2 dated 5/27/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell 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 per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Certified Testing Laboratories, Test Report No. **CTLA-974W** dated 12/11/02, signed and sealed by Ramesh Patel, P.E.
(Submitted under previous NOA #03-0109.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, dated 6/2/08, prepared by RW Building Consultants, Inc., signed and sealed by Wendell W. Haney, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

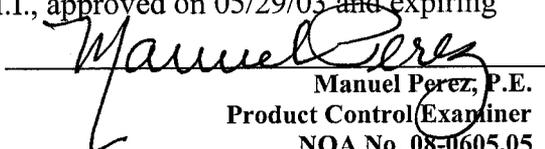
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont SentryGlas® Plus**" dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex HP Glass Interlayer**" dated 04/17/08, expiring on 04/14/13.

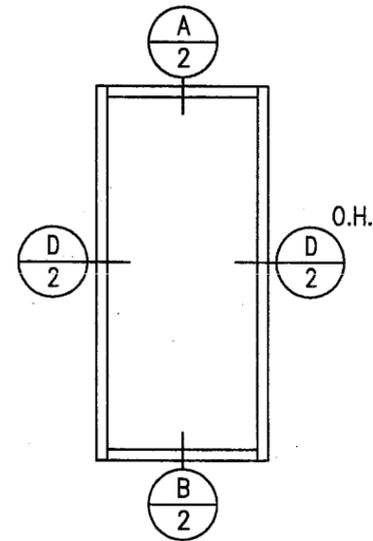
F. STATEMENTS

1. Statement letter of conformance and of no financial interest, dated May 30, 2008, signed and sealed by Wendell W. Haney, P.E.

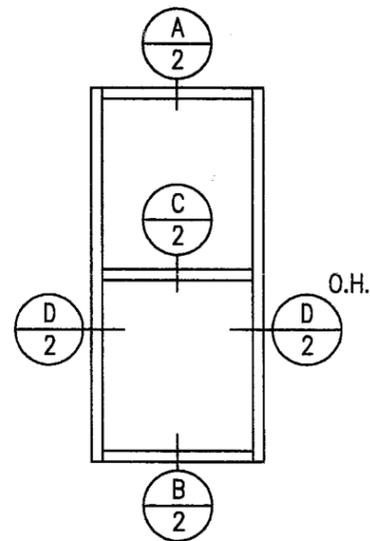
G. OTHER

1. Notice of Acceptance No. **03-0109.10**, issued to Sun Metals Systems, Inc. for their Series "450" Aluminum Window Wall – L.M.I., approved on 05/29/03 and expiring on 05/29/08.

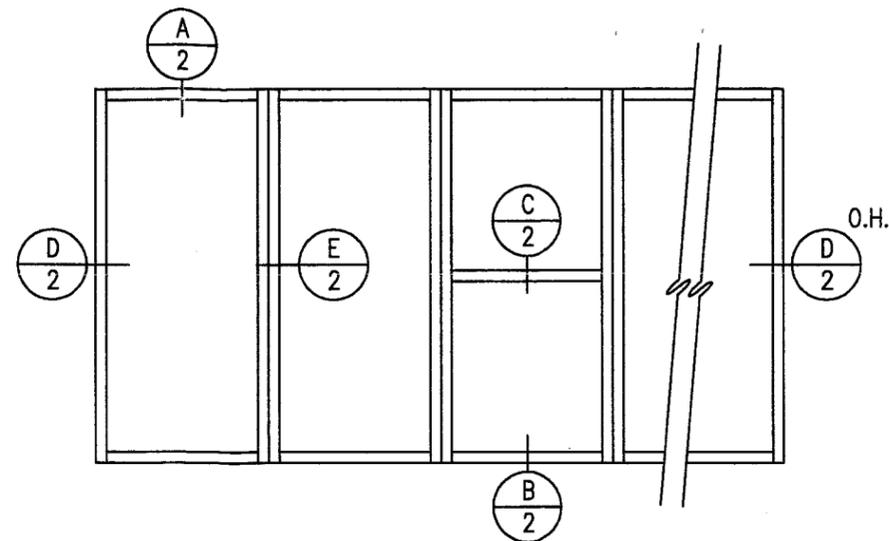

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0605.05
Expiration Date: May 29, 2013
Approval Date: July 24, 2008



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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SHEET 5	5/16" SHEET METAL SCREWS ANCHORING ELEVATIONS
SHEET 6	5/16" TAPCONS ANCHORING ELEVATIONS

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements 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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. This product meets water infiltration requirements for "HVHZ".
6. Wood bucks by others must be anchored properly to transfer loads to the structure.
6. All steel in contact with aluminum to be painted or plated.

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairigo FL 33595
Phone No.: 813.609.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney 7-2-03
Wendell W. Haney, P.E. No. 54158

SUN METALS SYSTEMS, INC.
5008 Tampa West Blvd. (813) 889-0718
TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)



PRODUCT
WINDOW WALL

PART OR ASSEMBLY
ELEVATIONS & GENERAL NOTES

Scale: M.T.S.
Date: 10/14/02
Drawn: ECV
Checked: RW

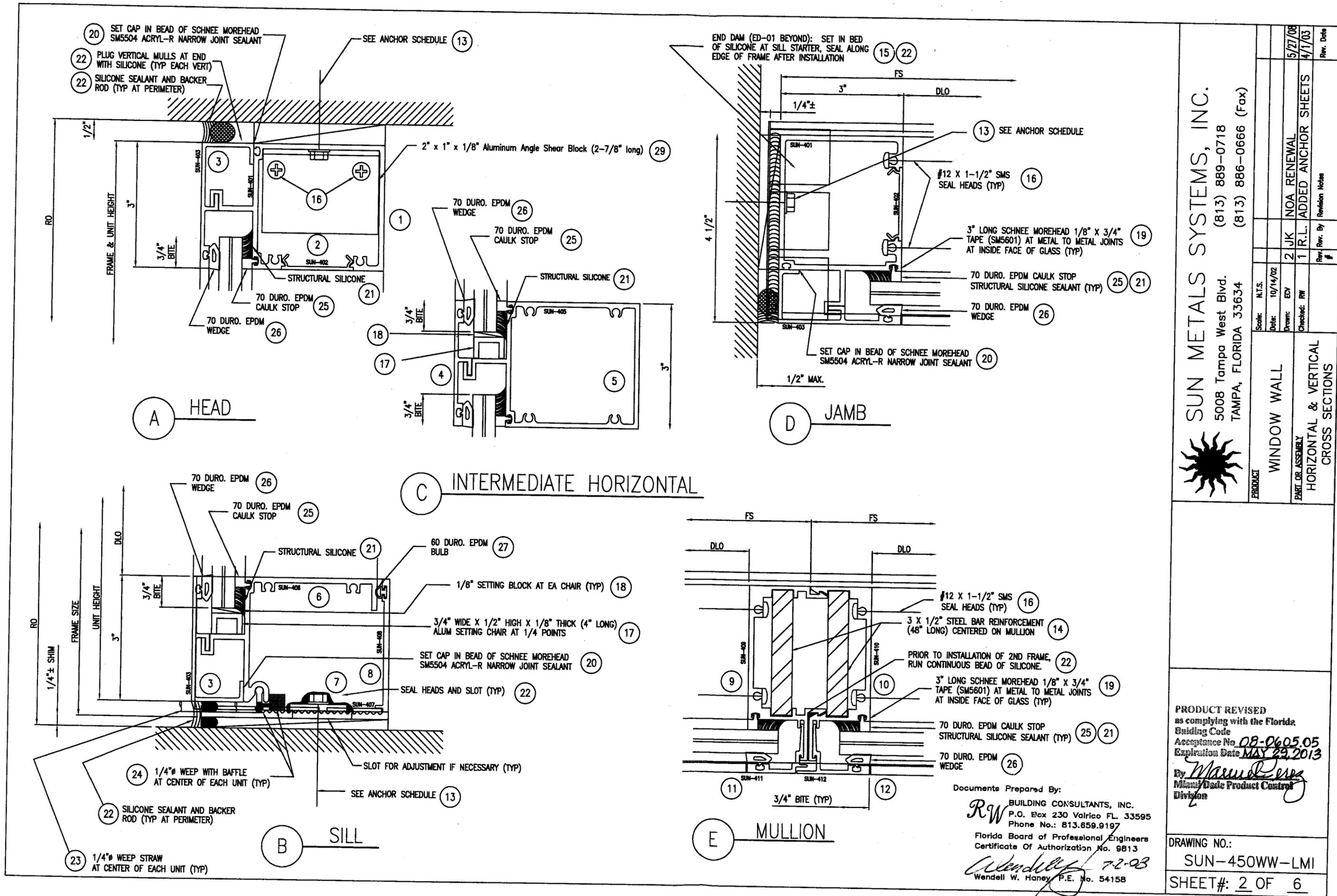
Rev. #	Rev. Date
2 JK	NOA RENEWAL 5/27/08
1 R.L.	ADDED ANCHOR SHEETS 4/1/03

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **08-0605.05**
Expiration Date **JUL 23, 2013**

By *Manuel Bese*
Miami Dade Product Control
Division

DRAWING NO.:
SUN-450WW-LMI

SHEET#: 1 OF 6



SUN METALS SYSTEMS, INC.
 5008 Tampa West Blvd.
 TAMPA, FLORIDA 33634
 (813) 889-0718
 (813) 886-0666 (Fax)

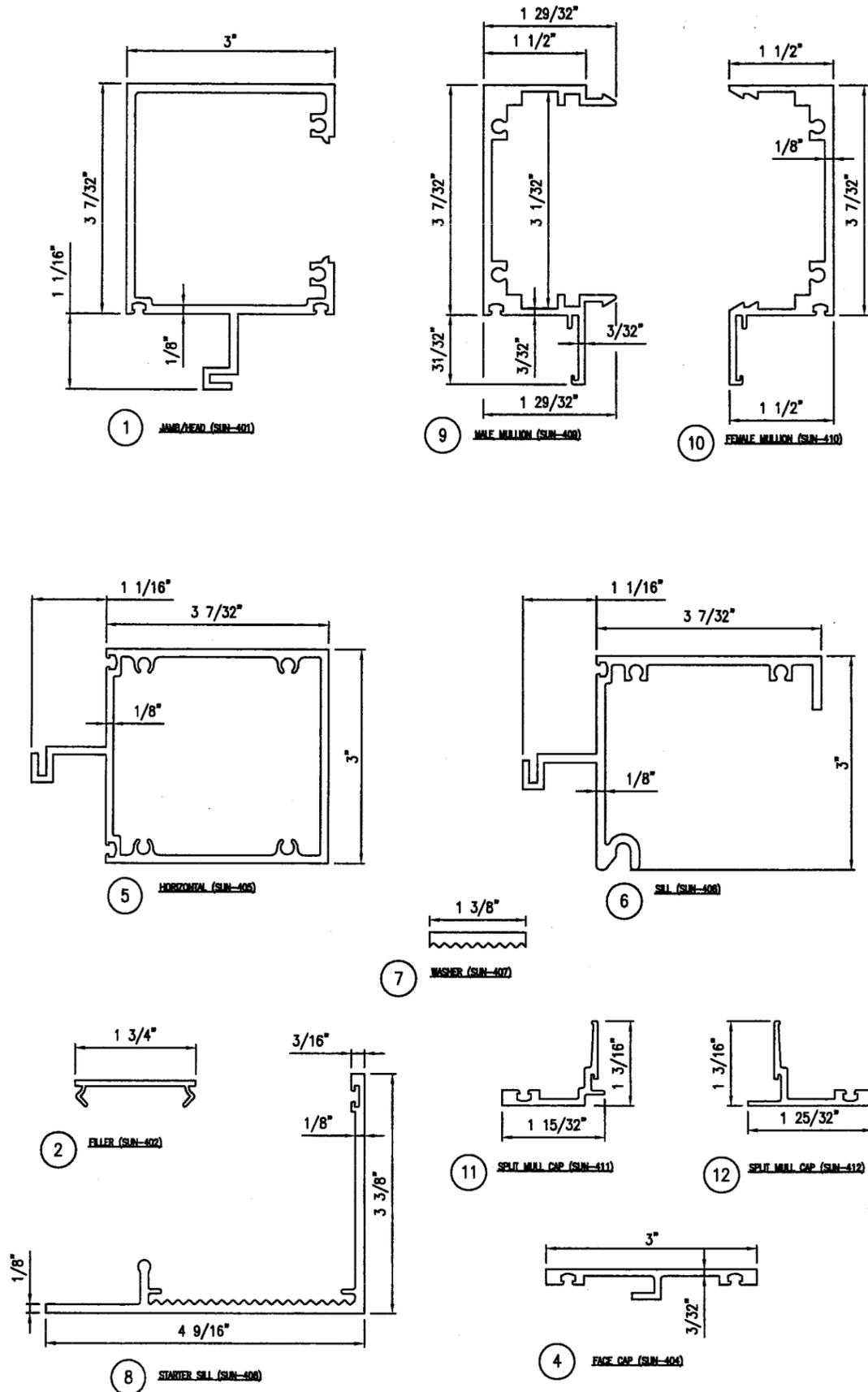


Scale: N.T.S.	Date: 10/14/02	Drawn: EDY	Checked: RW	Rev. #	Rev. Date
PRODUCT: WINDOW WALL			PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS		
NOA RENEWAL			5/27/08		
1 R.L. ADDED ANCHOR SHEETS			4/1/03		

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 08-0605.05
 Expiration Date MAY 23, 2013
 By: *Manuel Perez*
 Miami Dade Product Control Division

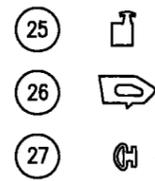
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Haney 7-2-03
 Wendell W. Haney, P.E. No. 54158

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 1/2" 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



Documents Prepared By:
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 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Harty 7-2-08
 Wendell W. Harty, P.E. No. 54158

SUN METALS SYSTEMS, INC.
 5008 Tampa West Blvd. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

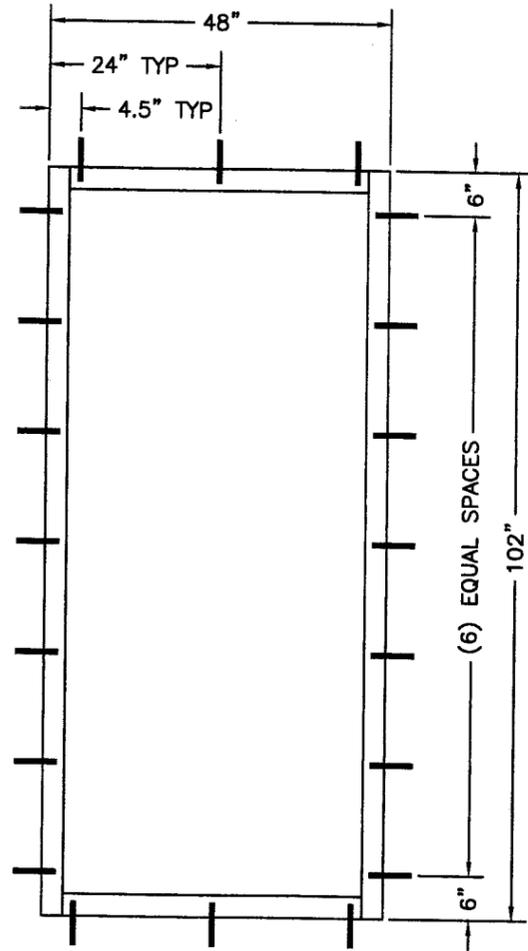
WINDOW WALL
 PART OR ASSEMBLY
 BILL OF MATERIALS
 & COMPONENTS

Scale: N.T.S.
 Date: 10/14/02
 Drawn: ECV
 Checked: RW

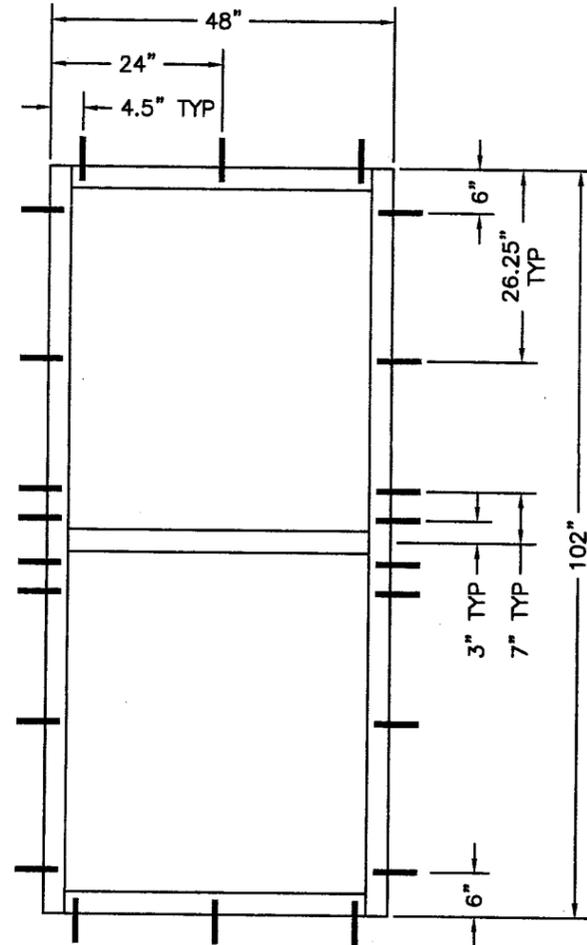
Rev. # Rev. By Revision Notes
 2 JK NOA RENEWAL 5/27/08
 1 R.L. ADDED ANCHOR SHEETS 4/1/03

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **08-0605.05**
 Expiration Date **MAY 29, 2013**
 By *Manuel Perez*
 Mechanical Product Control
 Division

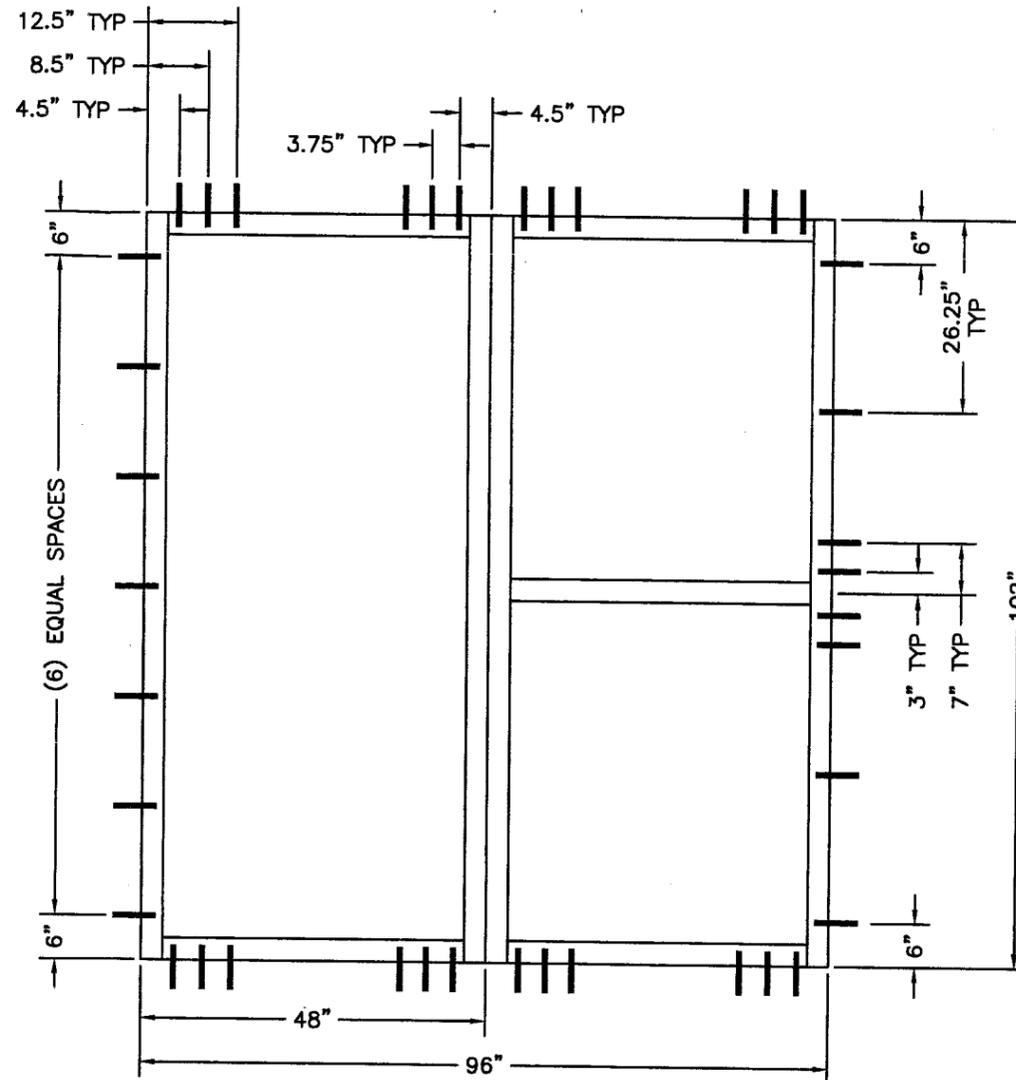
DRAWING NO.:
 SUN-450WW-LMI
 SHEET#: 3 OF 6



SINGLE LIGHT PUNCH WINDOW



DOUBLE LIGHT PUNCH WINDOW



CONTINUOUS WINDOW WALL SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
2X WOOD	3/8" PFH WOOD SCREW WITH MINIMUM 2.25" PENETRATION INTO SUBSTRATE. SG => 0.55 FOR THE WOOD SUBSTRATE.



SUN METALS SYSTEMS, INC.
 5008 Tampa West Blvd. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale: N.T.S.	5/27/08
Date: 10/14/02	Rev. Date
Drawn: EDY	2 JK NOA RENEWAL
Checked: RW	1 R.L. ADDED ANCHOR SHEETS
Rev. #	4/1/03
Rev. By	Revision Notes

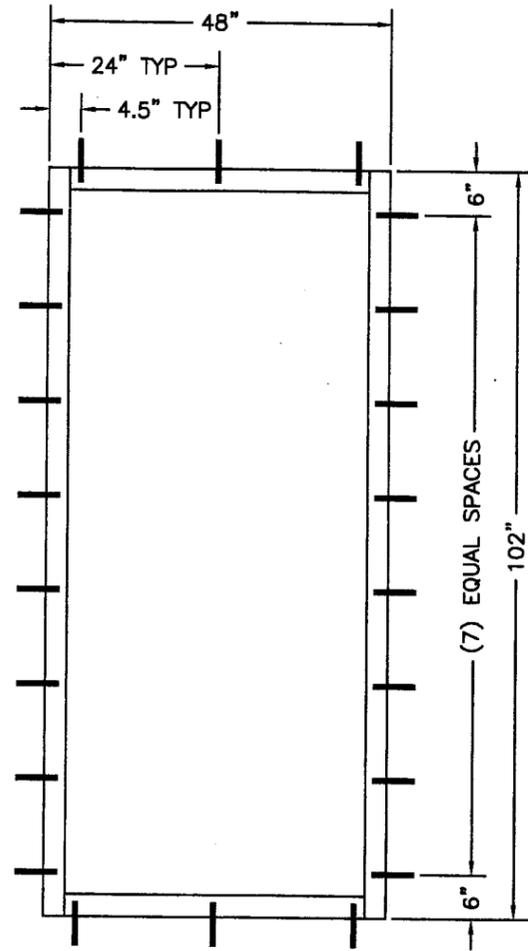
PRODUCT WINDOW WALL

PART OR ASSEMBLY 3/8" WOOD SCREW ANCHOR ELEVATIONS

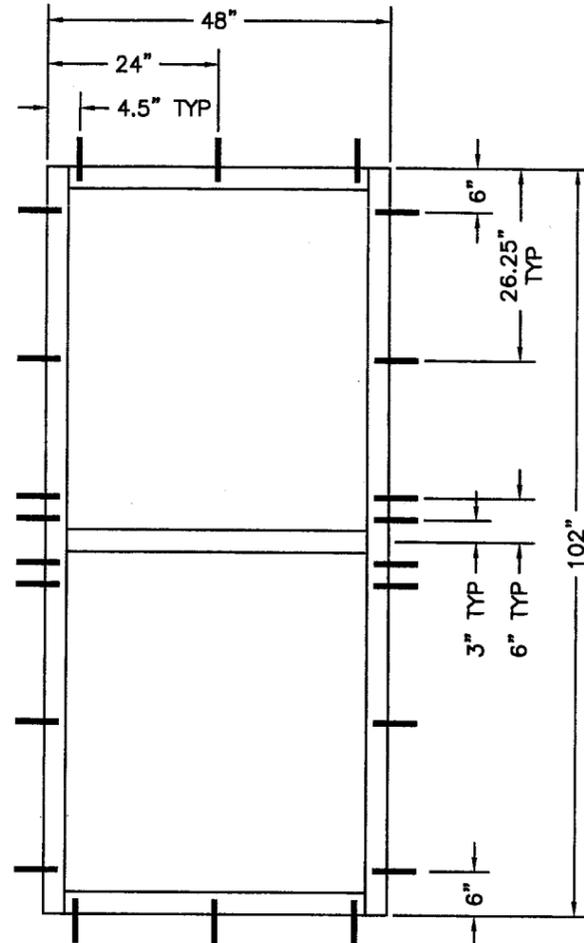
PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 08-0605.05
 Expiration Date MAY 29, 2013
 By *Mmanuel Lopez*
 Miami Date Product Control Division

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.859.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Hapey 7-2-08
 Wendell W. Hapey, P.E. No. 54158

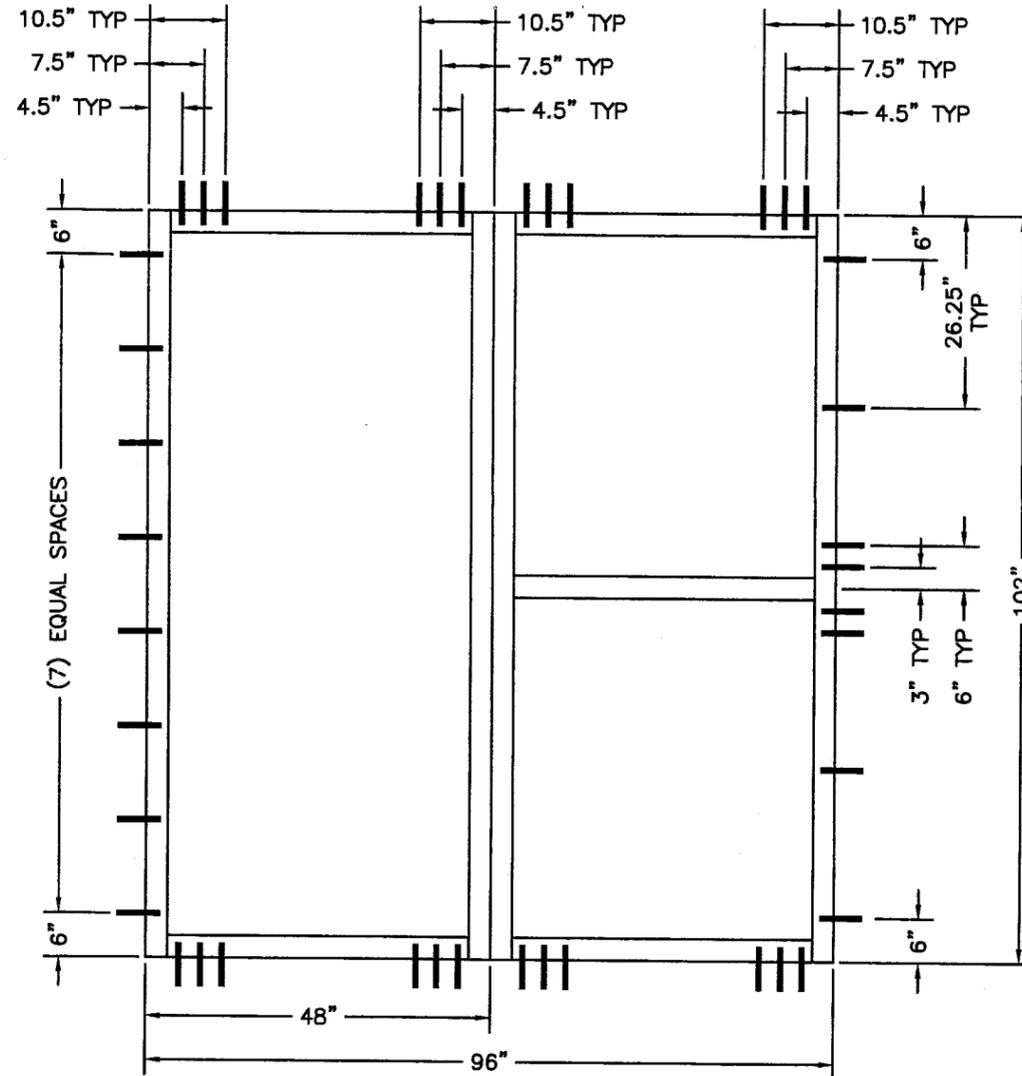
DRAWING NO.: SUN-450WW-LMI
 SHEET#: 4 OF 6



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" HILTI KWIK-FLEX SELF DRILLING SHEET METAL SCREW WITH MINIMUM 3 THREADS PROTRUDING THROUGH THE SUBSTRATE. STEEL SHALL BE ASTM A653 GRADE 33 WITH $F_y = 33$ KSI MIN. AND $F_u = 45$ KSI MIN., 0.063" MIN. THICKNESS.



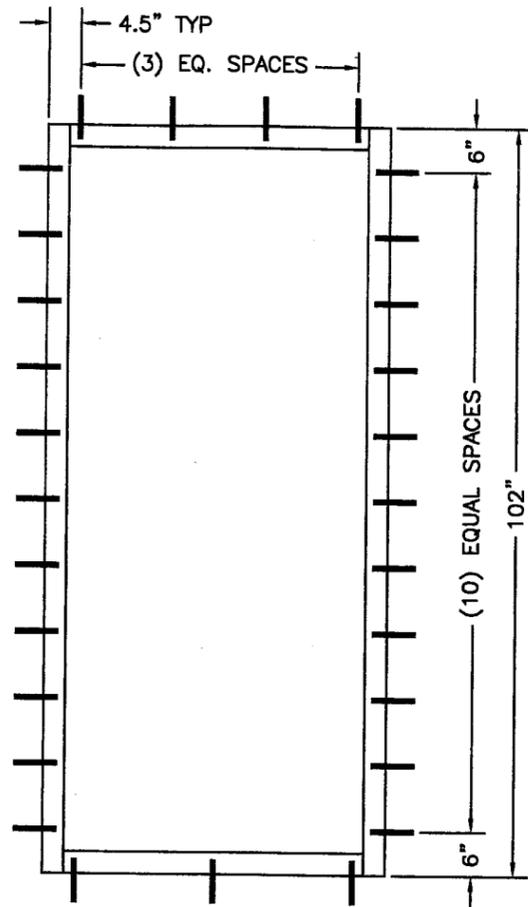
SUN METALS SYSTEMS, INC.
 5008 Tampa West Blvd. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale: N.T.S.	Date: 10/14/02	Drawn: EGY	Checked: RW	Rev. #	Rev. Date
PRODUCT: WINDOW WALL	2 JK	NOA RENEWAL	5/27/08		
PART OR ASSEMBLY: 5/16" SMS ANCHOR ELEVATIONS	1 R.L.	ADDED ANCHOR SHEETS	4/1/03		

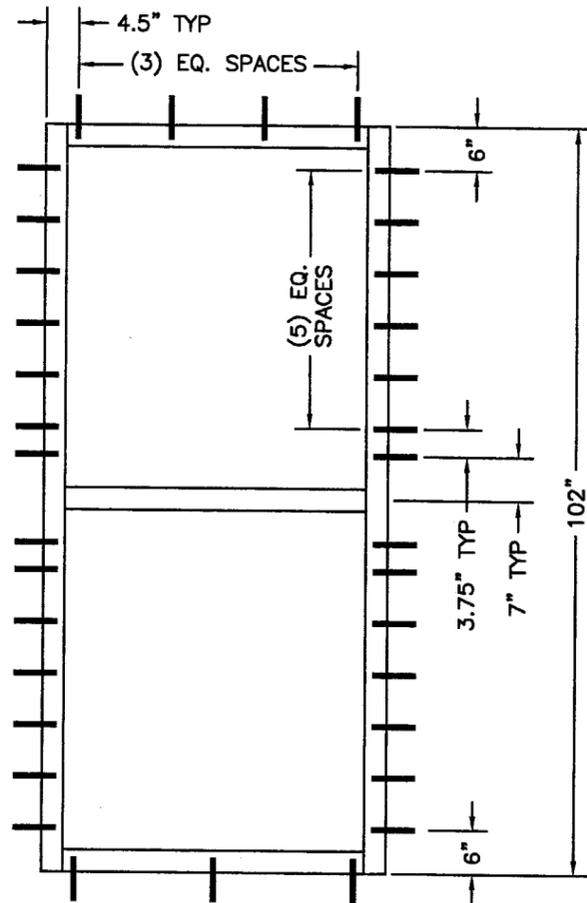
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. **08-0605.05**
 Expiration Date **MAY 29, 2013**
 By: *Manuel Perez*
 Quality Control Division

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
Wendell W. Honey 7-2-08
 Wendell W. Honey, P.E. No. 54158

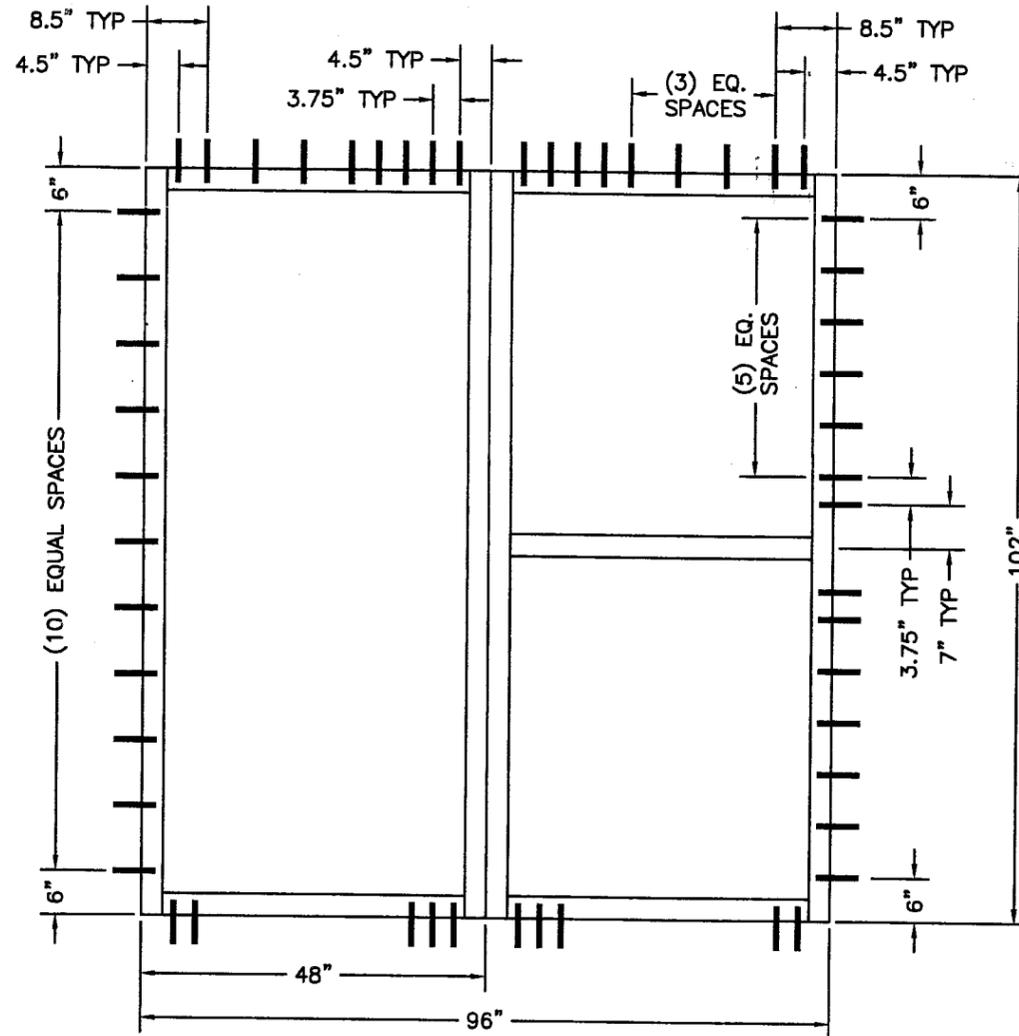
DRAWING NO.:
 SUN-450WW-LMI
 SHEET#: 5 OF 6



SINGLE LIGHT PUNCH WINDOW



DOUBLE LIGHT PUNCH WINDOW



CONTINUOUS WINDOW WALL SINGLE AND/OR DOUBLE LITE

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
CONCRETE	5/16" ITW TAPCON ANCHORING FRAME REQUIRE A MINIMUM 1-3/4" EMBEDMENT, 1-9/16" CLEARANCE TO MASONRY EDGEIMUM S AND A MIN 3-3/4" CLEARANCE TO ADJACENT TAPCONS. MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301
WOOD 1X	5/16" ITW TAPCON ANCHORING FRAME (THROUGH THE FRAME AND 1X INTO MASONRY) REQUIRE A MINIMUM 1-3/4" EMBEDMENT, 1-9/16" CLEARANCE TO MASONRY EDGEIMUM S AND A MIN 3-3/4" CLEARANCE TO ADJACENT TAPCONS. MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301

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
Wendell W. Haney 7-2-08
Wendell W. Haney, P.E. No. 54158

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Scale: N.T.S.	10/14/02	2 JK	NOA RENEWAL	5/27/08
Date: 10/14/02	Drawn: EBY	1 R.L.	ADDED ANCHOR SHEETS	4/1/03
Checked: RW	Rev. #	Rev. By	Revision Note	Rev. Date

PRODUCT: WINDOW WALL
PART OR ASSEMBLY: 5/16" TAPCON ANCHOR ELEVATIONS

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. *08-0605.05*
Expiration Date *MAY 23, 2013*
By *Maurice Perry*
Miami Basic Product Control Division

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