



**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 Metal 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 650 Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **650WW-LMI**, titled "Sun-650WW - TAS 201-203 Large Missile - Window Wall", sheets 1 through 9 of 9, dated 11/20/03 with revision #1 dated 11/30/04, prepared by manufacturer, 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 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 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 04-1105.01
Expiration Date: March 24, 2010
Approval Date: March 24, 2005
Page 1**

Sun Metals Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **650WW-LMI**, titled "Sun-650WW - TAS 201-203 Large Missile - Window Wall", sheets 1 through 9 of 9, dated 11/20/03 with revision #1 dated 11/30/04, prepared by manufacturer, 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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0280-1209-03 with specimen # 3, 4, 6,7, & 10**, dated 12/17/03-5/18/04, signed and sealed by Vinu J. Abraham, 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 an aluminum window wall system, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0280-0420-04 with specimen # 1, & 2**, dated 01/8-5/18/04, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by RW Building Consultants, Inc., dated 10/29 /04, signed and sealed by Wendell W. Haney, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

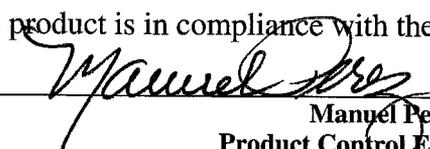
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **03-0421.01** issued to E.I. DuPont DeNemours for "Saflex HP" dated 05/22/03, expiring on 04/14/08.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 10/29/04, signed by Wendell W. Haney, P.E.
2. Statement letter of no financial interest, dated 10/18/04, signed by James G. Hatton III, Vice President, Sun Metals Systems, Inc.

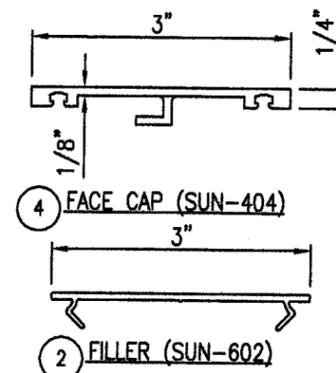
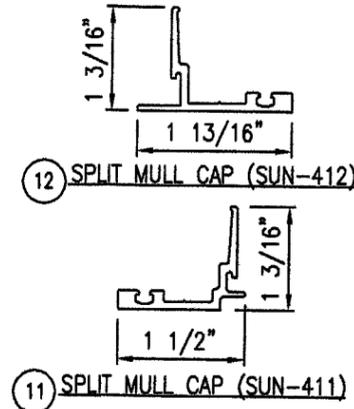
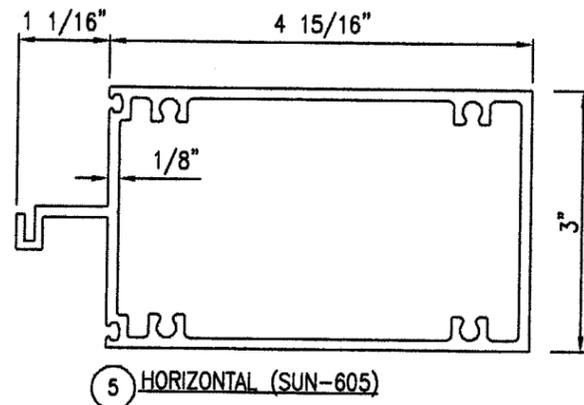
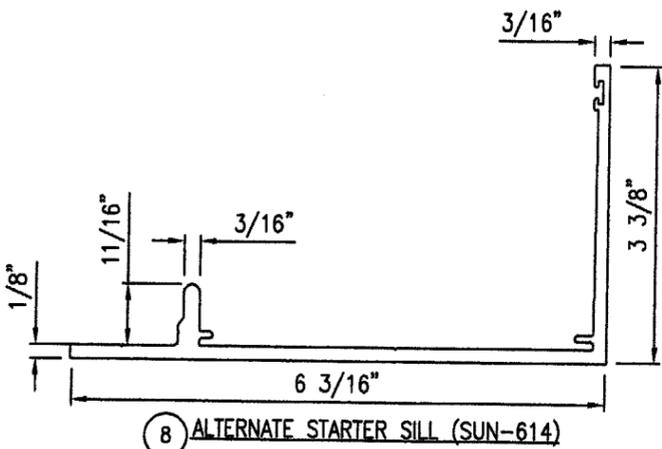
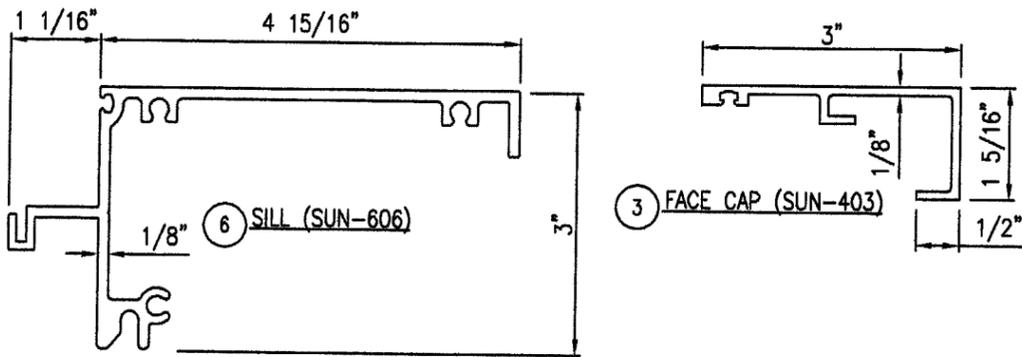
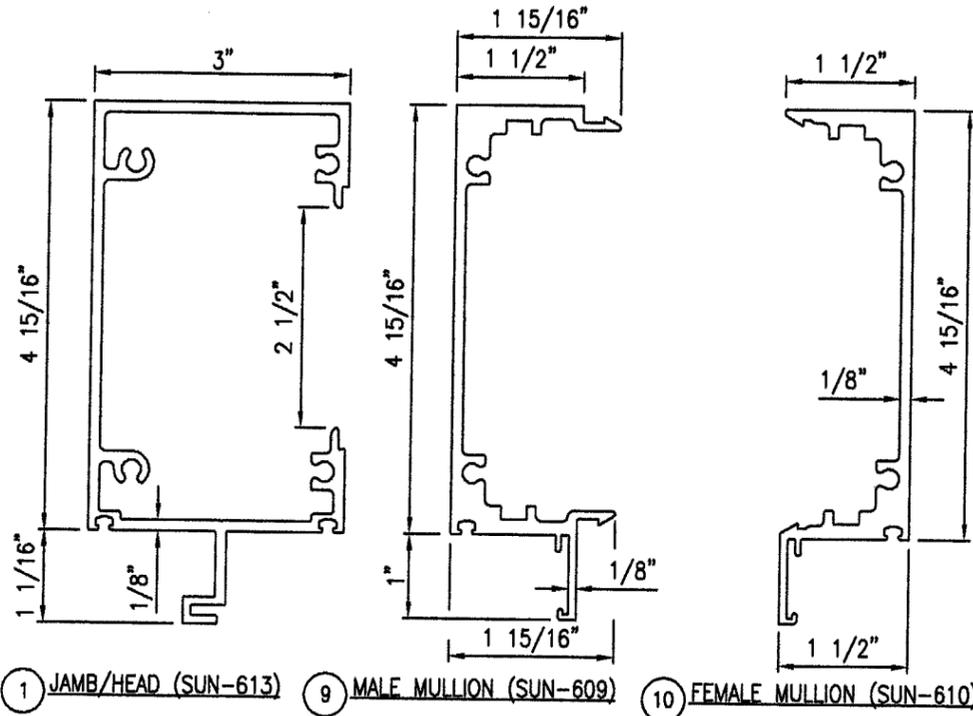
G. OTHER

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


Manuel Perez, P.E.
Product Control Examiner
NOA No 04-1105.01
Expiration Date: March 24, 2010
Approval Date: March 24, 2005

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.658.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 2/23/05
 Wandell W. Hagney, P.E. No. 54158

ALUMINUM EXTRUSIONS



GASKETS



Item#	Part#	Description	Material	Manufacturer/Supplier/Comments
1	SUN-613	FRAME JAMB/HEAD	6063-T6	
2	SUN-602	SNAP FILLER	6063-T6	
3	SUN-403	FACE CAP	6063-T6	
4	SUN-404	FACE CAP	6063-T6	
5	SUN-605	HORIZONTAL	6063-T6	
6	SUN-606	SILL	6063-T6	
7	-	NOT USED	-	
8	SUN-614	STARTER SILL	6063-T6	
9	SUN-609	MALE SPLIT MULLION	6063-T6	
10	SUN-610	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 9)	-	
14	-	REINFORCEMENT: 4-1/2" X 1/4" STEEL BAR	A36	PAINTED OR PLATED
15	-	0.040 ALUM BREAKMETAL END DAMN	5005-H14	
16	-	FRAME ASSY SCREW: 1/4" 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" SETTING BLOCK (4" LONG)	EPDM	GLAZING RUBBER PRODUCTS (OR EQ)
19	SM5601	TAPE SEALANT	-	SCHNEE MOREHEAD (OR EQ)
20	SM5504	SEAM SEALER	-	SCHNEE MOREHEAD (OR EQ)
21	PROGLAZE II	STRUCTURAL SILICONE	SILICONE	TREMCO OR EQUAL
22	SPECTREM 1	PERIMETER SILICONE SEALANT	SILICONE	TREMCO OR EQUAL
23	-	WEEP STRAW	PLASTIC	
24	-	WEEP BAFFLE - 30 PPI / OPEN CELL	POLYSTYRENE	NORTON OR EQUAL
25	TR-10681E	EXTRUDED 70 DURO. EPDM CAULK STOP GASKET	EPDM	TREMCO (OR EQUAL)
26	TR-1000E	EXTRUDED 70 DURO. EPDM WEDGE GASKET	EPDM	TREMCO (OR EQUAL)
27	TR-5783E	EXTRUDED 60 DURO. EPDM BULB GASKET	EPDM	TREMCO (OR EQUAL)
28	-	NOT USED	-	
29	-	NOT USED	-	

Bill of Materials

SUN-650WW



5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203
 LARGE MISSILE

WINDOW WALL

Scale: _____
 Date: _____
 Drawn: _____
 Checked: _____

1 WWH
 Revised per Date Letter #

Rev. By: _____
 Revision Notes: _____

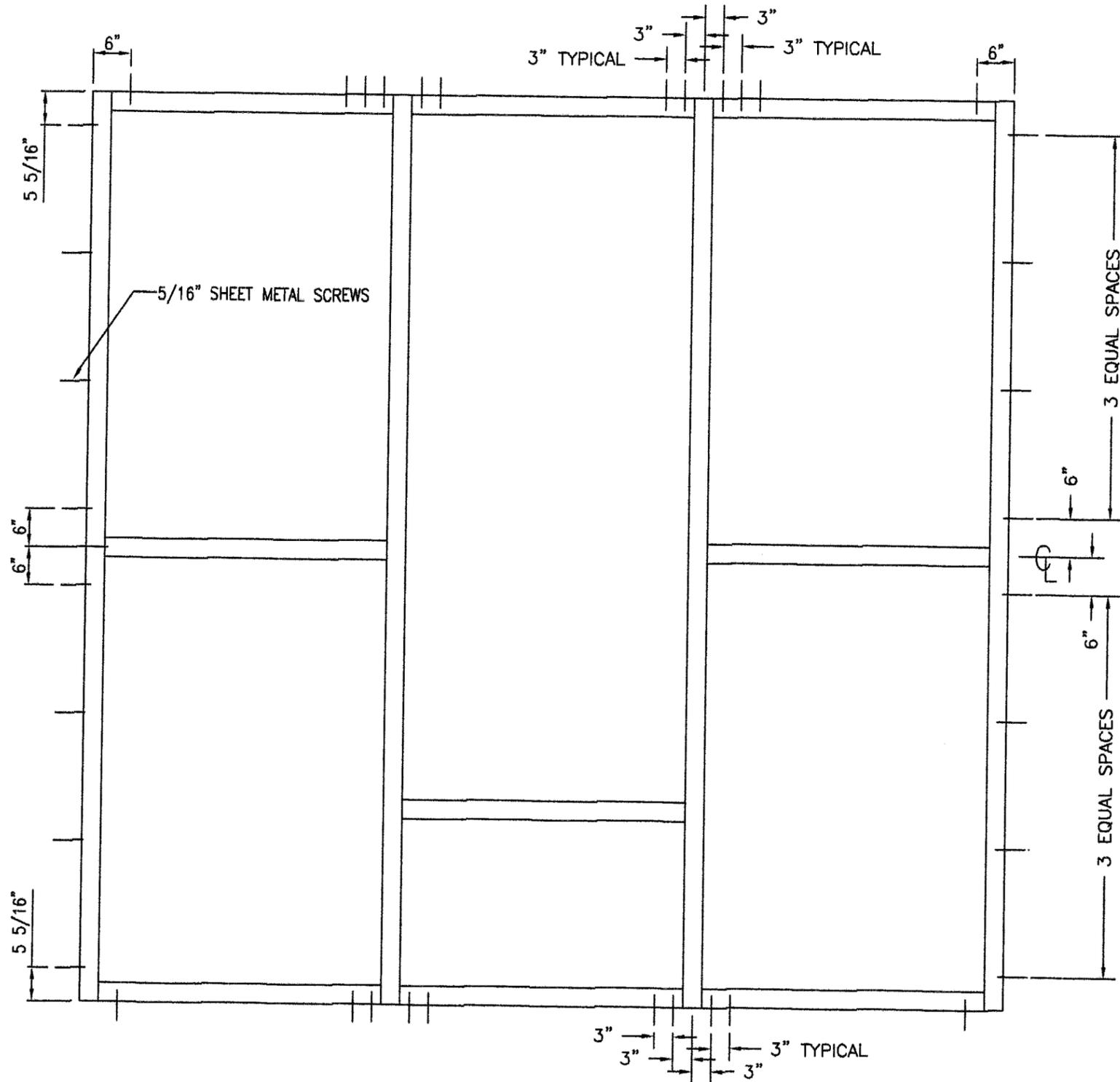
11/30/04
 Rec. Date

Approved as complying with the Florida Building Code
 Date: MARCH 24, 2005
 NOA# 04-1105-01
 Miami Dade Product Control Division
 By: [Signature]

ITEM: COMPONENTS & BOM

FILE#: 650WW-LMI

SHEET#: 4 OF 9



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

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

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vairio FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Haney 2/23/05
 Wendell W. Haney, P.E. No. 54158



SUN-650WW

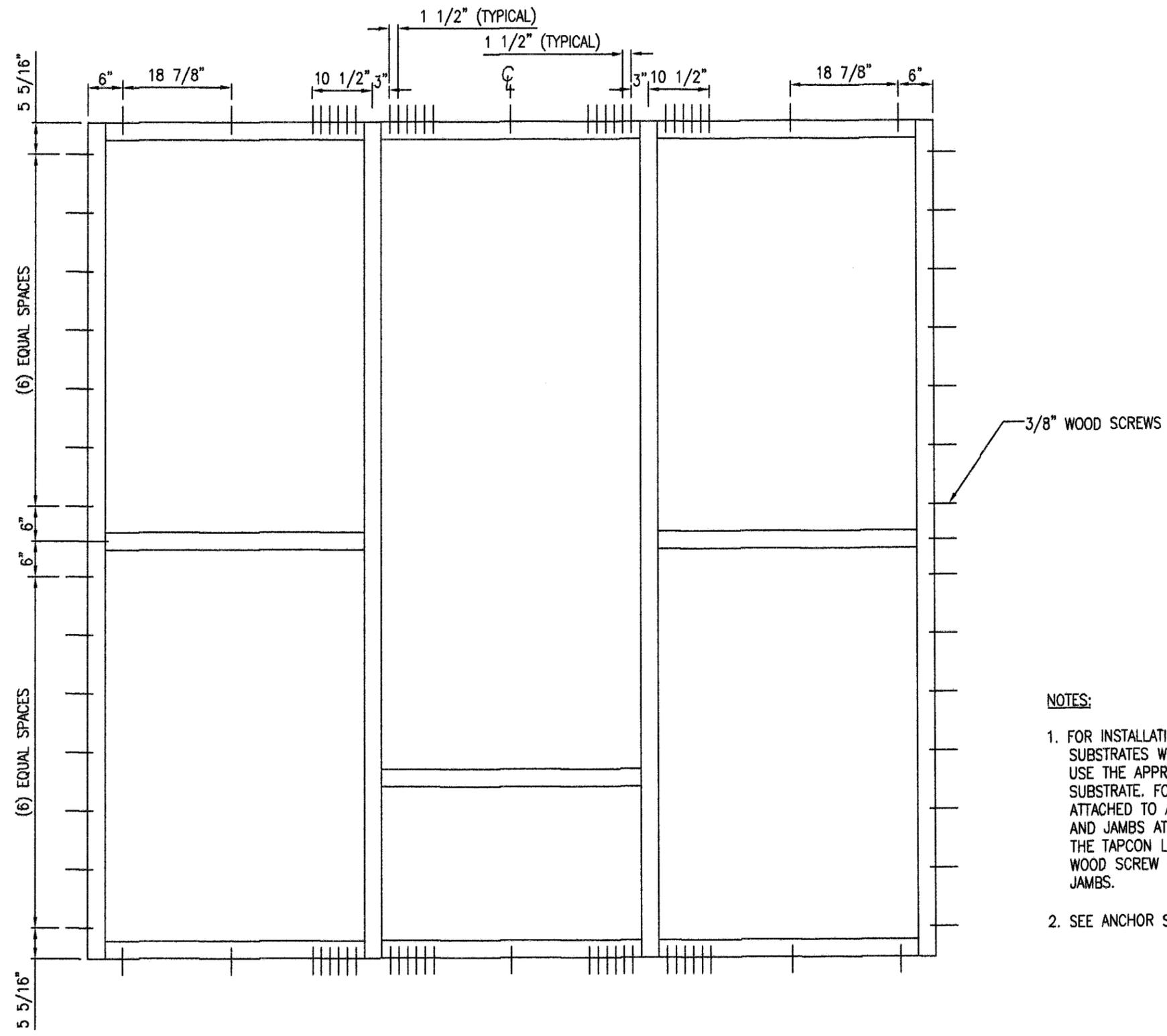
5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203 LARGE MISSILE WINDOW WALL	Scale:	DATE:	DRAWN:	CHECKED:	REV. BY:	REV. DATE:
				1	WHH	11/30/04
						Revised per Date Letter
						Revision Notes

Approved as complying with the Florida Building Code
 Date NOV 24, 2005
 NOA# 04-1105.01
 Miami Dade Product Control
 Division
 By *Manuel Perez*

ITEM: ANCHORING
 FILE#: 650WW-LMI
 SHEET#: 5 OF 9

C:\Documents and Settings\wendell\My Documents\Drawings\650WW-LMI.dwg



ANCHORING USING 3/8" WOOD SCREWS
(FOR ANCHORING TO 2X WOODBUCK)

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

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.8197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9413
 2/23/05
 Wendell W. Honey, P.E. No. 54176

Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105.01
 Miami Dade Product Control
 Division
 By [Signature]

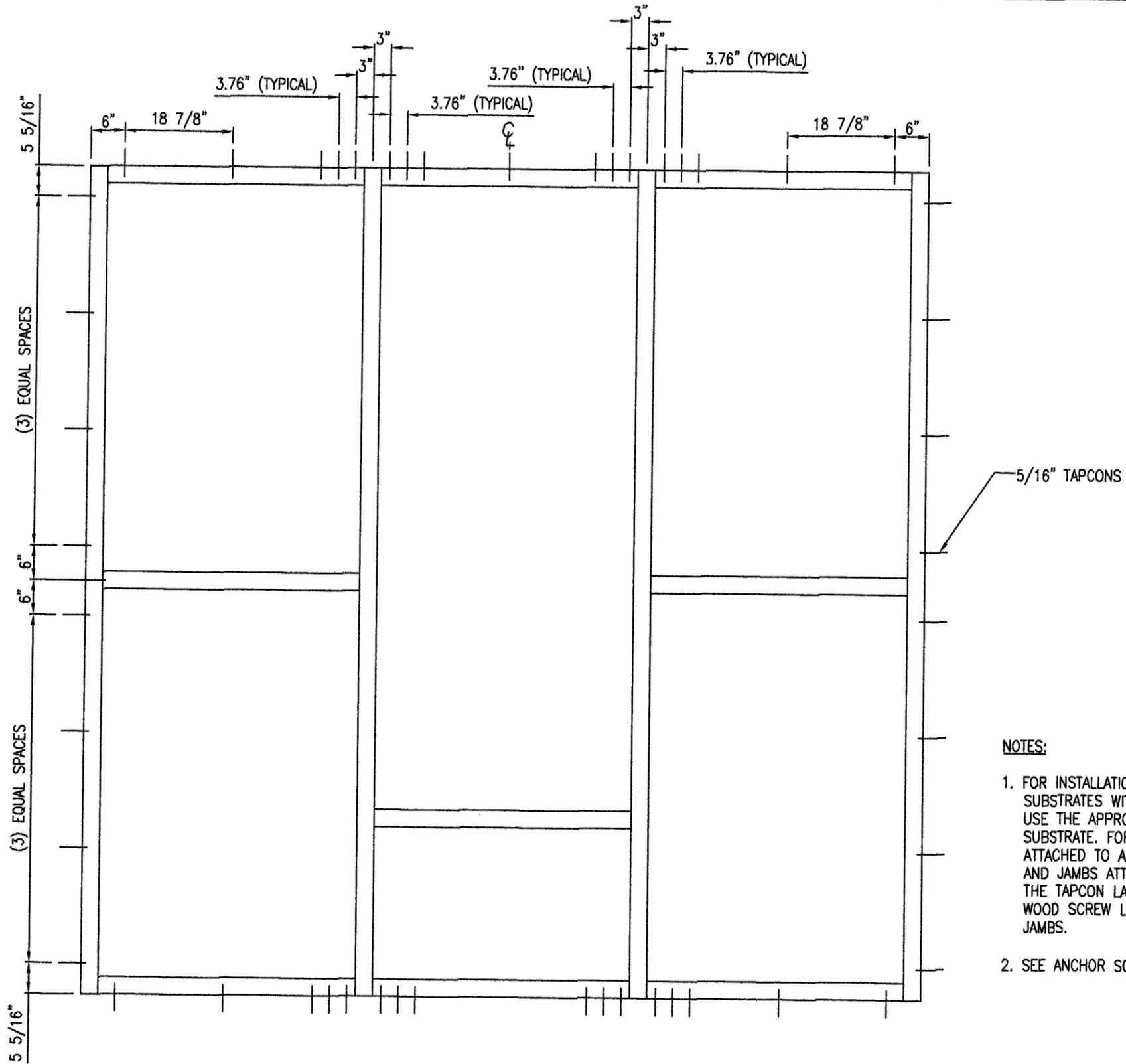
ITEM: ANCHORING
 FILE#: 650WW-LMI

SHEET#: 6 OF 9

SUN METALS
 SUN-650WW
 5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale:	SCALE	
Date:	DATE	
Drawn:	DRWN	
Checked:	CHECKED	1
Rev. #	Rev. By	WPH
Rev. Date	Revision Notes	Revised per Code Letter
		11/30/04

TAS 201-203
 LARGE MISSILE
 WINDOW WALL



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

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.859.9187
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 2/23/05
 Wendell W. Honey, P.E. No. 54158



SUN-650WW

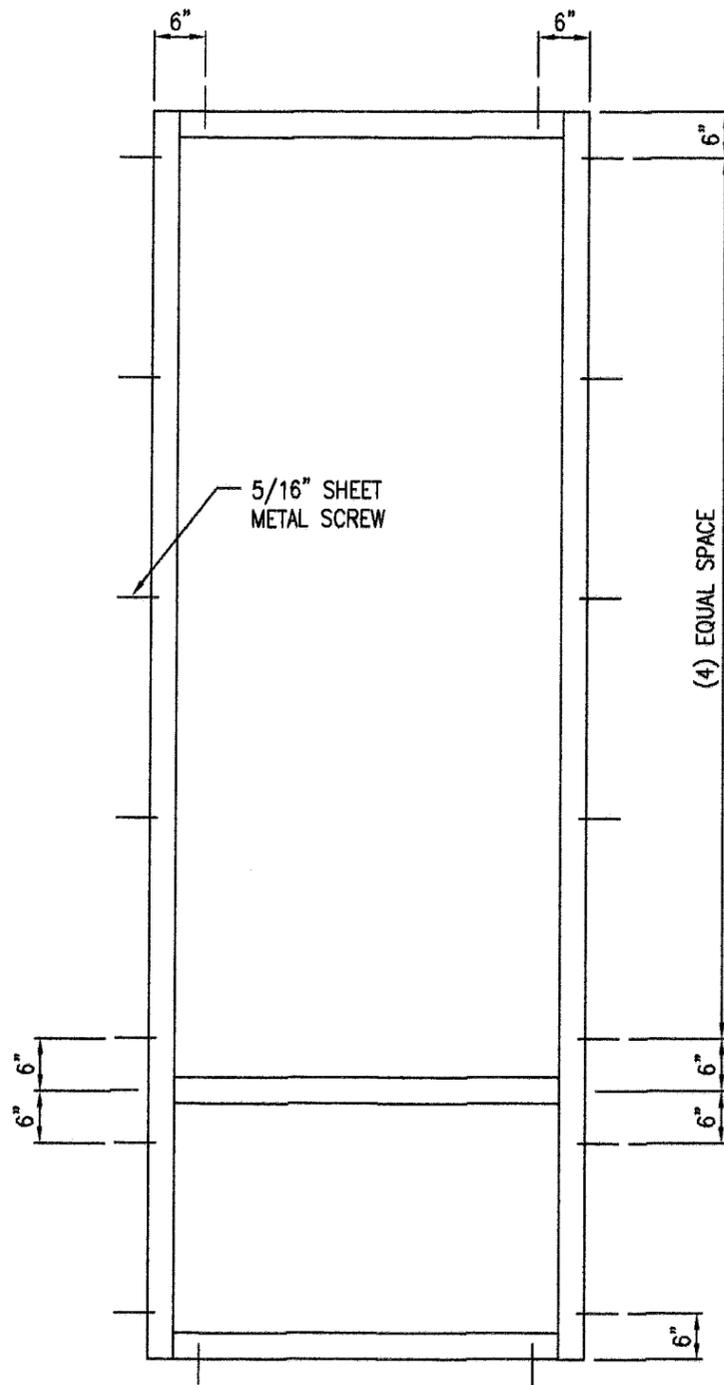
5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale:	DATE:	Checked:	Rev. #
TAS 201-203		CHECKED	1
LARGE MISSILE		By	WWH
WINDOW WALL		Revised per	Date Letter
		Revision Notes	11/30/04

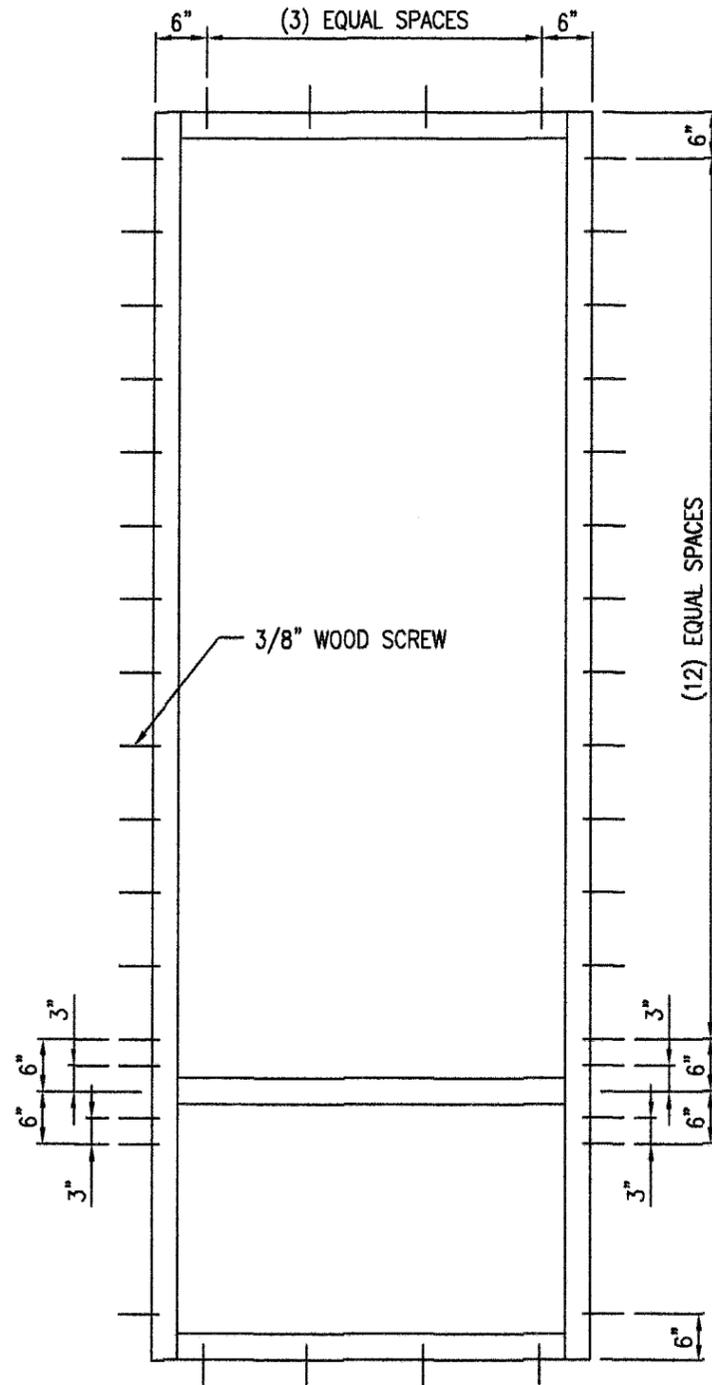
Approved as complying with the Florida Building Code
 Date: **MARCH 24, 2005**
 NOA# **04-1105-01**
 Division
 By: *[Signature]*

ITEM:	ANCHORING
FILE#:	650WW-LMI
SHEET#:	7 OF 9

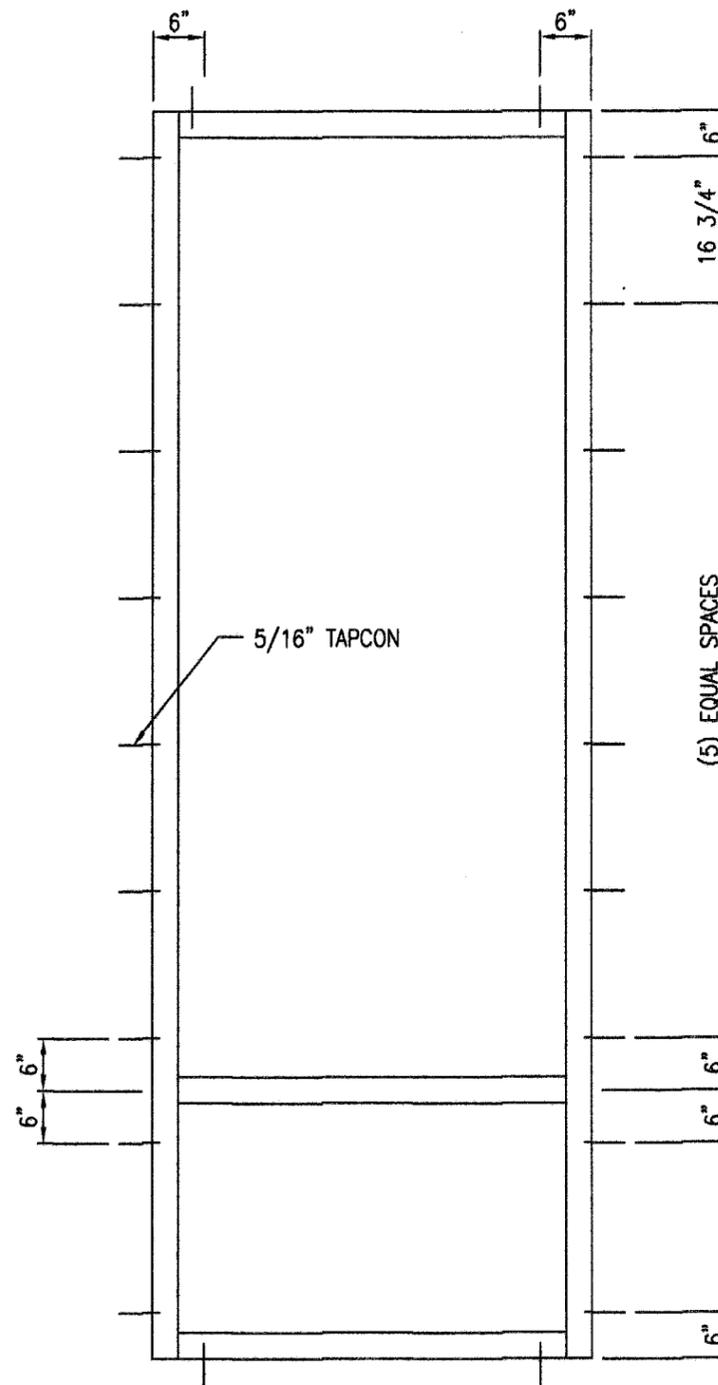
C:\Documents and Settings\wendell\My Documents\Drawings\650WW-LMI.dwg



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



ANCHORING USING 3/8" WOOD SCREWS
(FOR ANCHORING TO 2X WOODBUCK)



ANCHORING USING 5/16" TAPCONS
(FOR ANCHORING TO CONC. OR HOLLOW BLOCK)

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

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vero Beach, FL 33595
 Phone No.: 813.658.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
Wendell W. Hawley 2/23/05
 Wendell W. Hawley, P.E. No. 54158

SUN METALS
SUN-650WW
 5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203
 LARGE MISSILE

WINDOW WALL

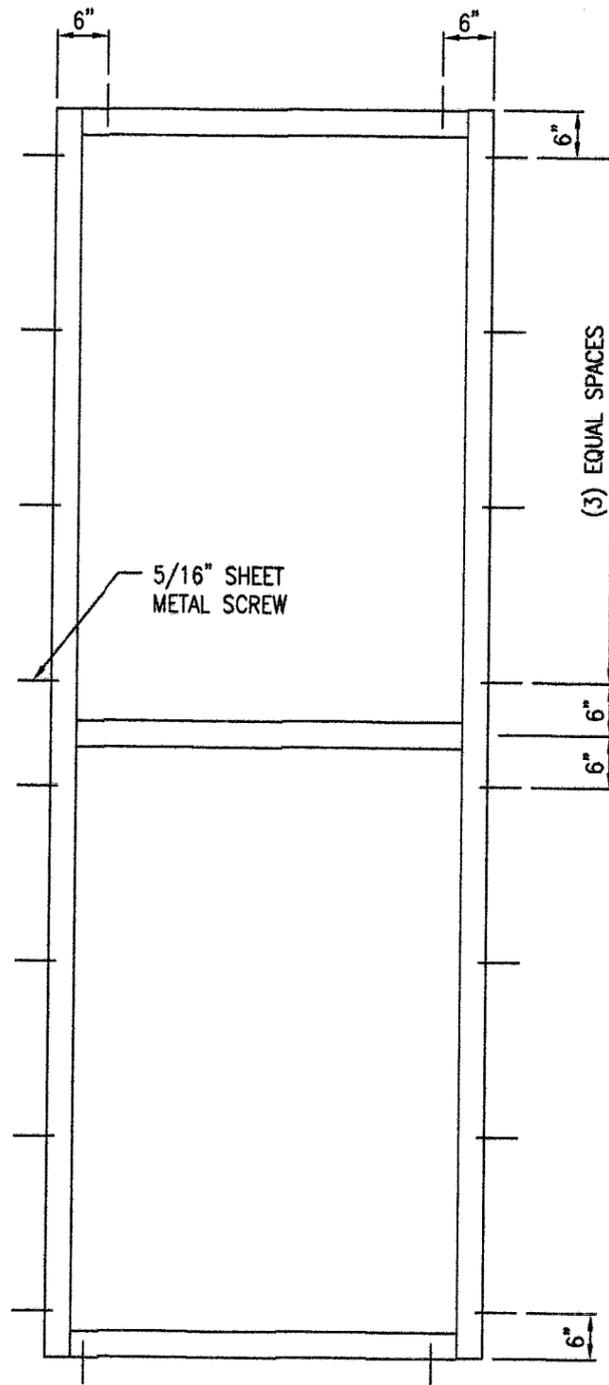
Scale:		Revised per Date Letter	11/20/04
Date:		Revision Notes	
Drawn:	DRWN	Rev. By	
Checked:	CHECKED	Rev. #	

Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105-01
 Miami Dade Product Control
 Division
 By *Manuel Perez*

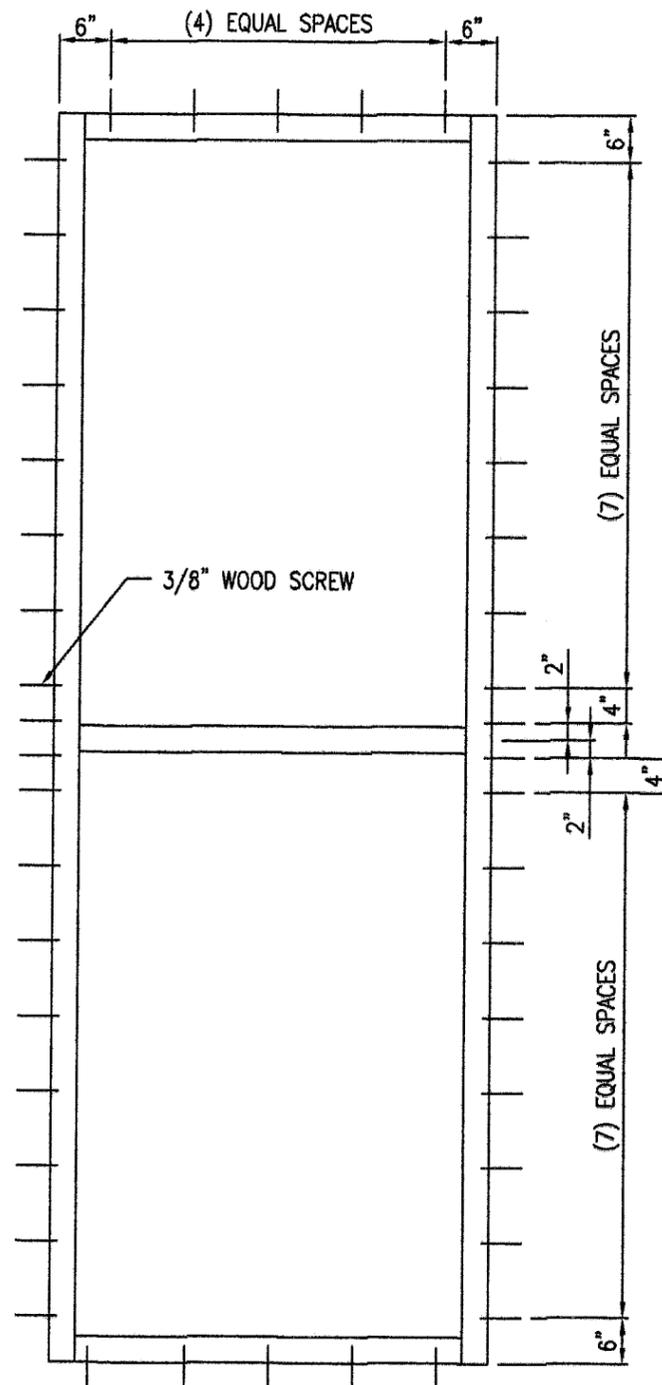
ITEM: ANCHORING
 FILE#: 650WW-LMI

SHEET#: 8 OF 9

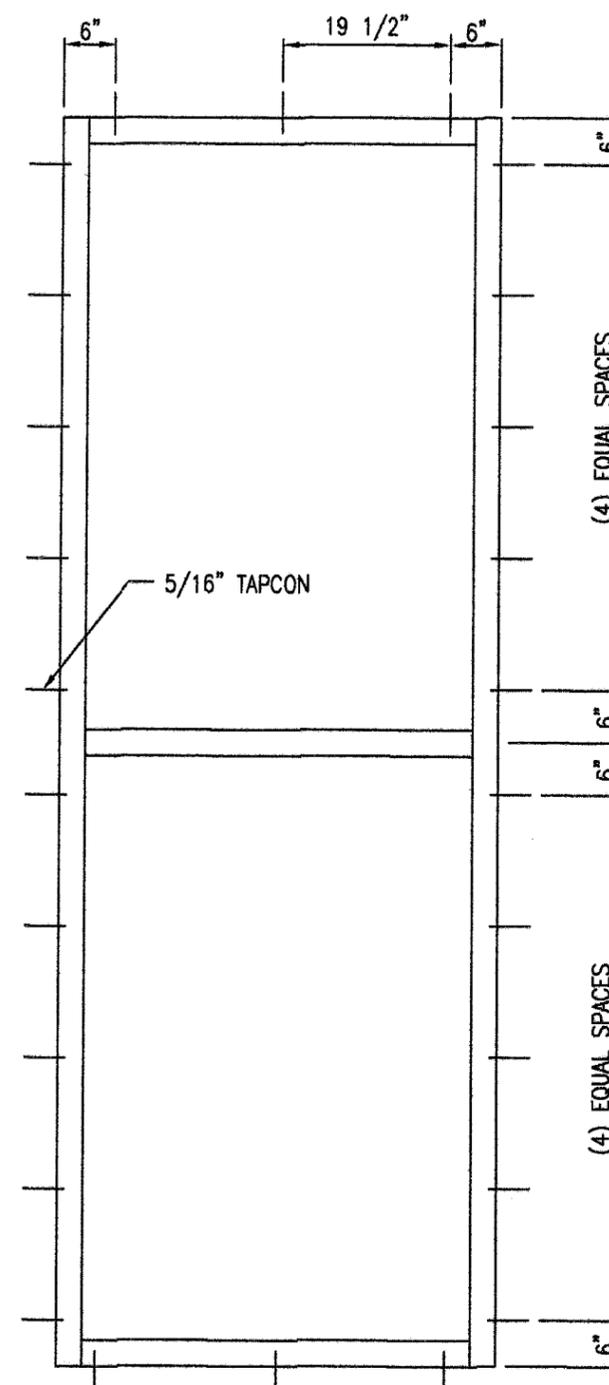
C:\Documents and Settings\wendell\My Documents\Drawings\650WW-LMI.dwg



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



ANCHORING USING 3/8" WOOD SCREWS
(FOR ANCHORING TO 2X WOODBUCK)



ANCHORING USING 5/16" TAPCONS
(FOR ANCHORING TO CONC. 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

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. 6813
Wendell Haney 2/23/05
 Wendell W. Haney, P.E. No. 54158

SUN-650WW



5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203
 LARGE MISSILE

WINDOW WALL

Scale:	
Date:	
Drawn:	
Checked:	

Checked:	1	WWH	Revised per Data Letter
Rev. #:		By	Revision Notes

Rev. #	11/30/04	Rev. Date
--------	----------	-----------

Approved as complying with the Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105-01
 Miami Code Product Control
 Division
 By *Manuel Perez*

ITEM: ANCHORING
 FILE#: 650WW-LMI

SHEET#: 9 OF 9