



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) 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 - S.M.I.

APPROVAL DOCUMENT: Drawing No. **650WW-SMI**, titled "Sun-650WW – TAS 201-203 Small Missile - Window Wall", sheets 1 through 14 of 14, 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: 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 04-1105.02
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-SMI**, titled "Sun-650WW - TAS 201-203 Large Missile - Window Wall", sheets 1 through 14 of 14, 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 203-94
along 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 203-94
along 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 11/1 /04, signed and sealed by Wendell W. Haney, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

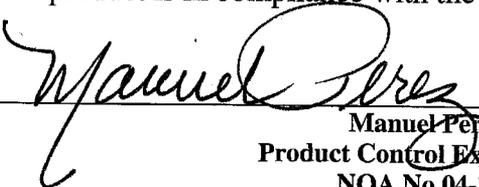
1. Notice of Acceptance No. **03-0421.02** issued to Solutia Inc. for their "Clear or Colored Interlayer" dated 01/08/04, expiring on 05/21/06.

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 04-1105.02

Expiration Date: March 24, 2010

Approval Date: March 24, 2005



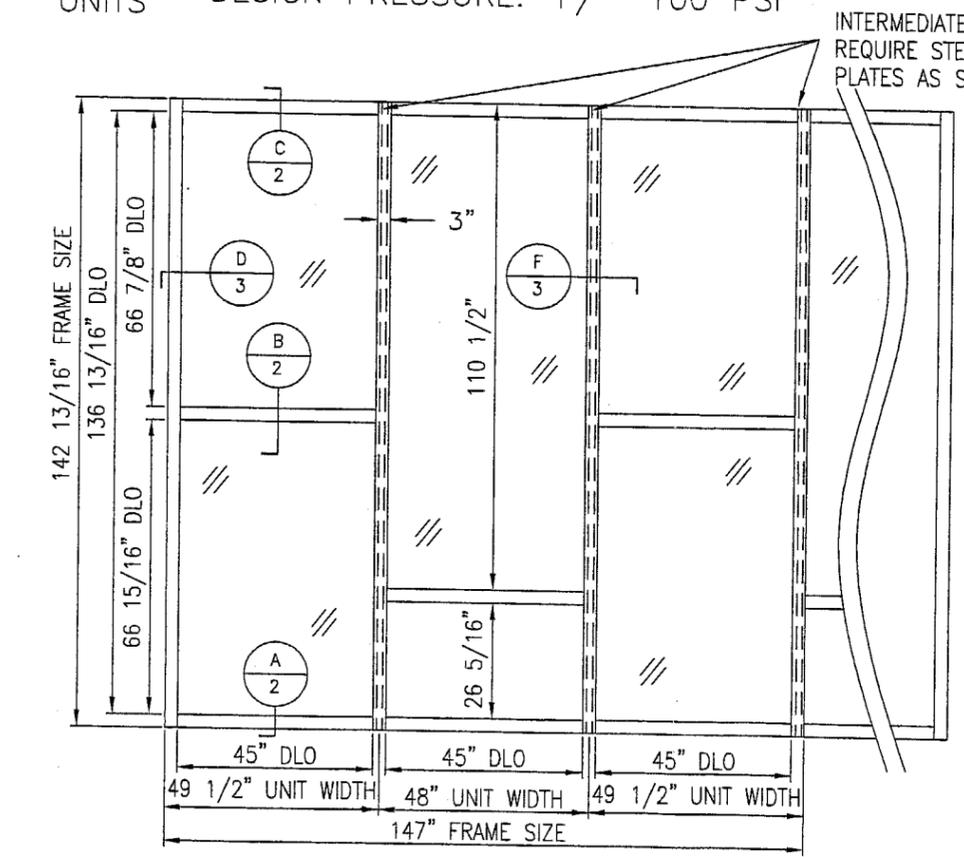
SUN- 650WW
WINDOW WALLS SYSTEM

NOTES:

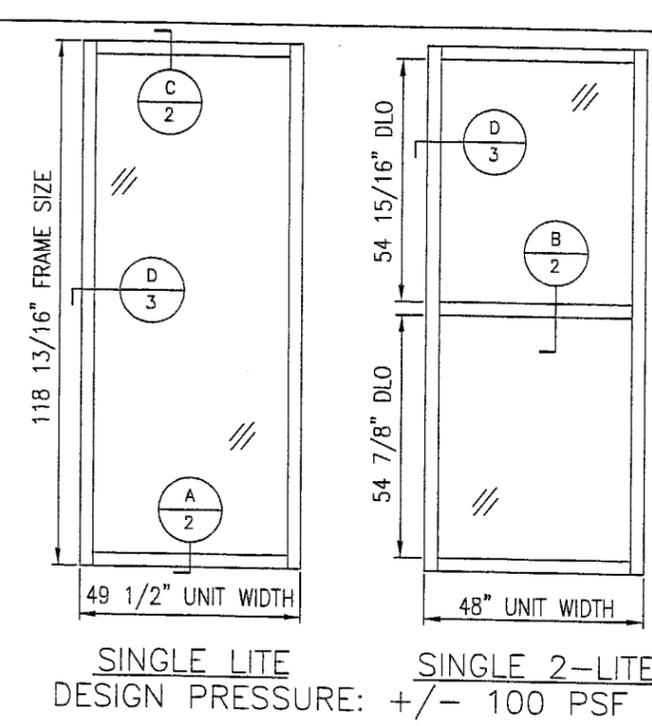
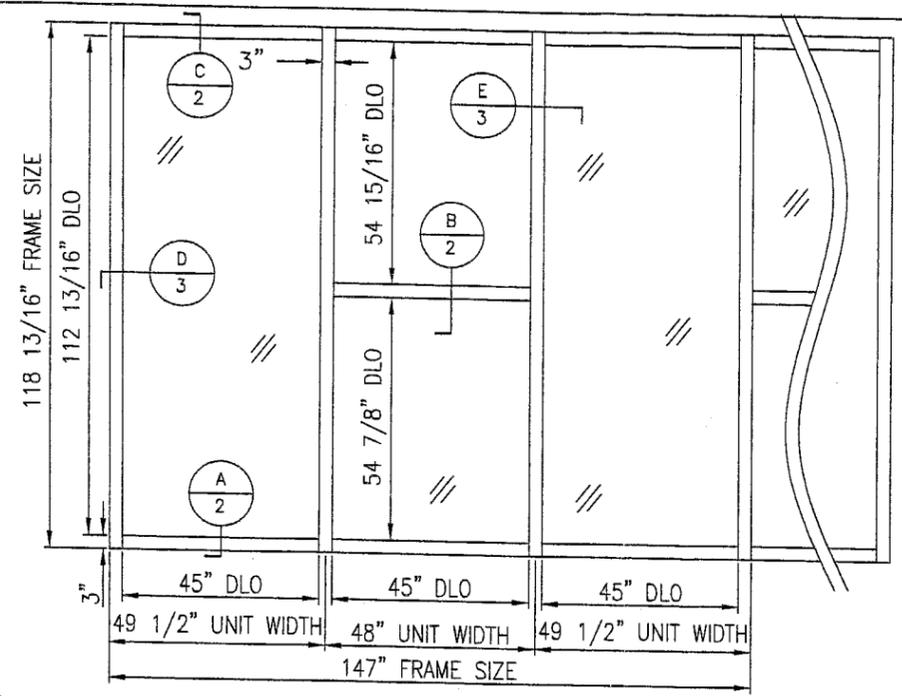
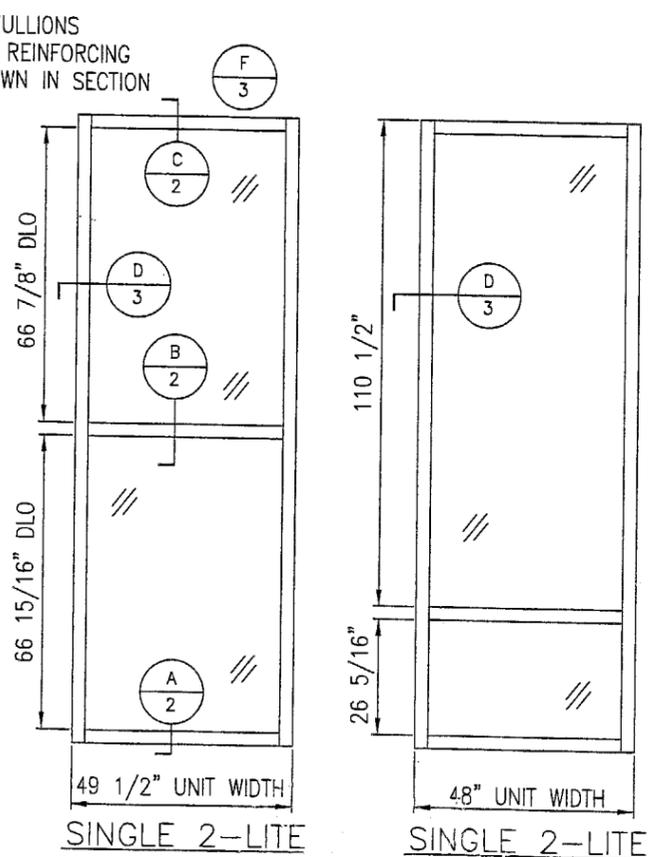
1. THIS STRUCTURE IS DESIGNED PER THE 2001 FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. ALL FRAME ASSEMBLY SCREWS TO BE 1/4" X 1-1/4" SHEET METAL SCREWS.
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
4. ANCHORS SHALL BE LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
5. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.
6. FOR INSTALLATIONS MORE THAN 30 FEET ABOVE GRADE, THIS PRODUCT MEETS THE REQUIREMENTS OF SECTION 1626.3 OF THE 2001 FLORIDA BUILDING CODE AND DOES NOT REQUIRE THE USE OF APPROVED EXTERNAL PROTECTIVE DEVICES.
7. FOR INSTALLATIONS LOCATED WITHIN 30 FEET OF GRADE, THE USE OF APPROVED WINDOWS OR EXTERNAL PROTECTIVE DEVICES IS REQUIRED.

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10"0 NOM. HIGH UNITS
SUN- 650WW WINDOW WALLS SYSTEM
DESIGN PRESSURE: +/- 100 PSF



12"0 NOM. HIGH UNITS
SUN- 650WW WINDOW WALLS SYSTEM
DESIGN PRESSURE: +100 / -120 PSF



INTERMEDIATE MULLIONS REQUIRE STEEL REINFORCING PLATES AS SHOWN IN SECTION

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9187
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Honey, P.E. No. 54158
2/23/05

SERIES

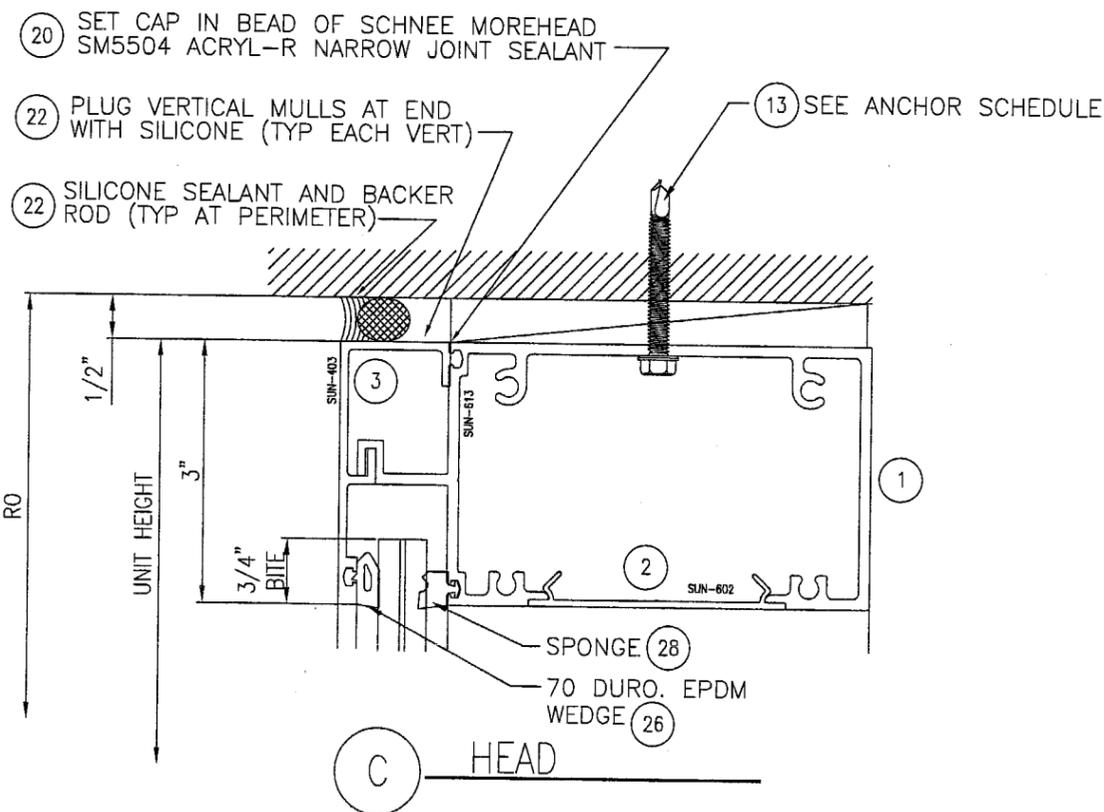
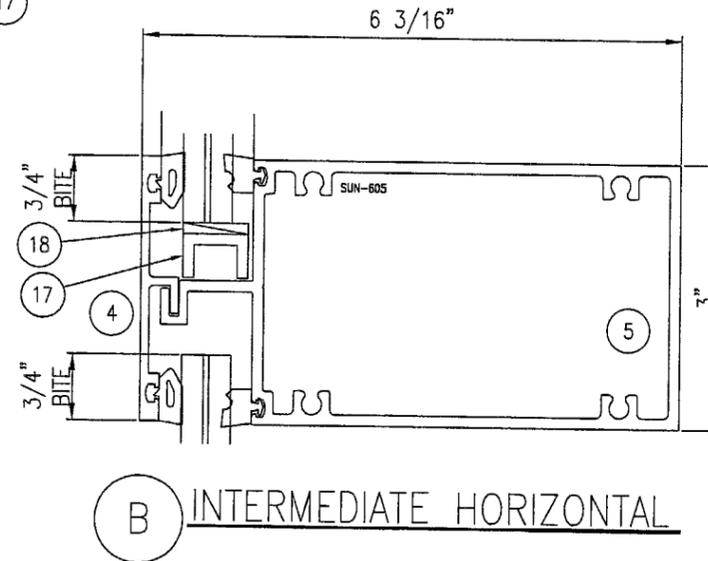
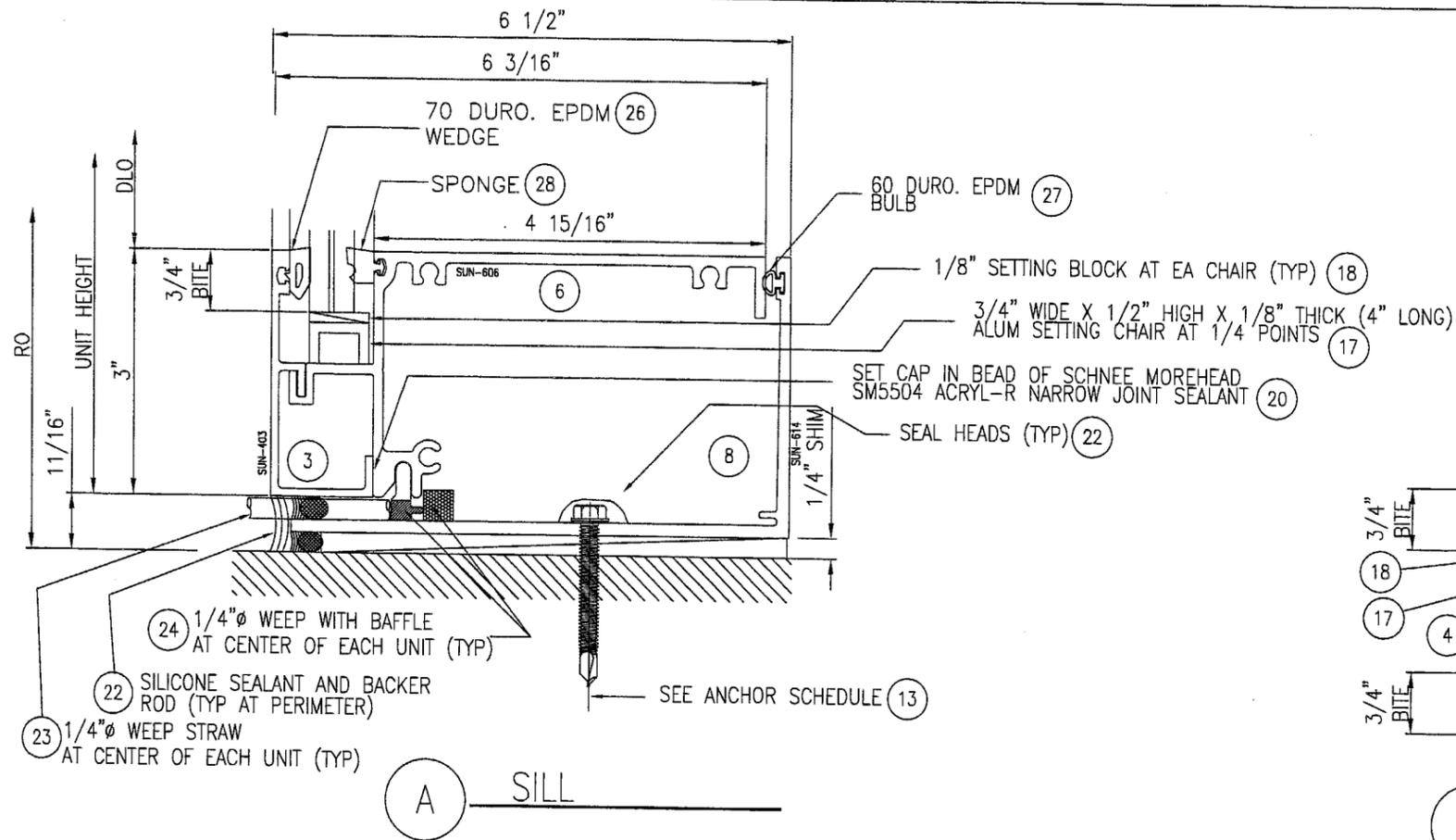
SUN METALS

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

Scale: NTS	Date: 11/20/03	Drawn: JFU	Checked: ECV	Rev. #	Rev. Date
TAS 201-203 SMALL MISSILE			WINDOW WALL		

Approved as complying with the Florida Building Code
Date **MARCH 24, 2005**
NOA# **04-1103.02**
Miami Dade Product Control
Division
By *Manuel Perez*

ITEM: NOTES & ELEVATIONS
FILE#: 650WW-SMI
SHEET#: 1 OF 14



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

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
 Wendell W. Haney, P.E. No. 54158

SERIES

SUN METALS

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

Scale: NTS
 Date: 11/20/03
 Drawn: JFU
 Checked: ECV

TAS 201-203
 SMALL MISSILE

1 WHH
 Revised per Date Letter

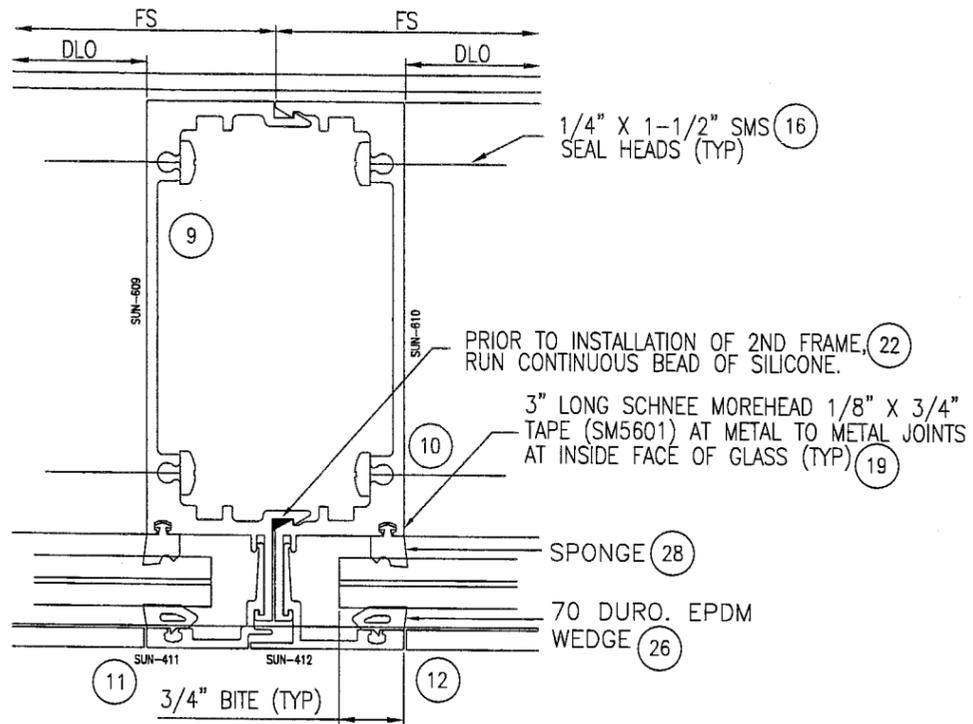
11/30/04
 Rev. Date

Rev. By
 Revision Notes

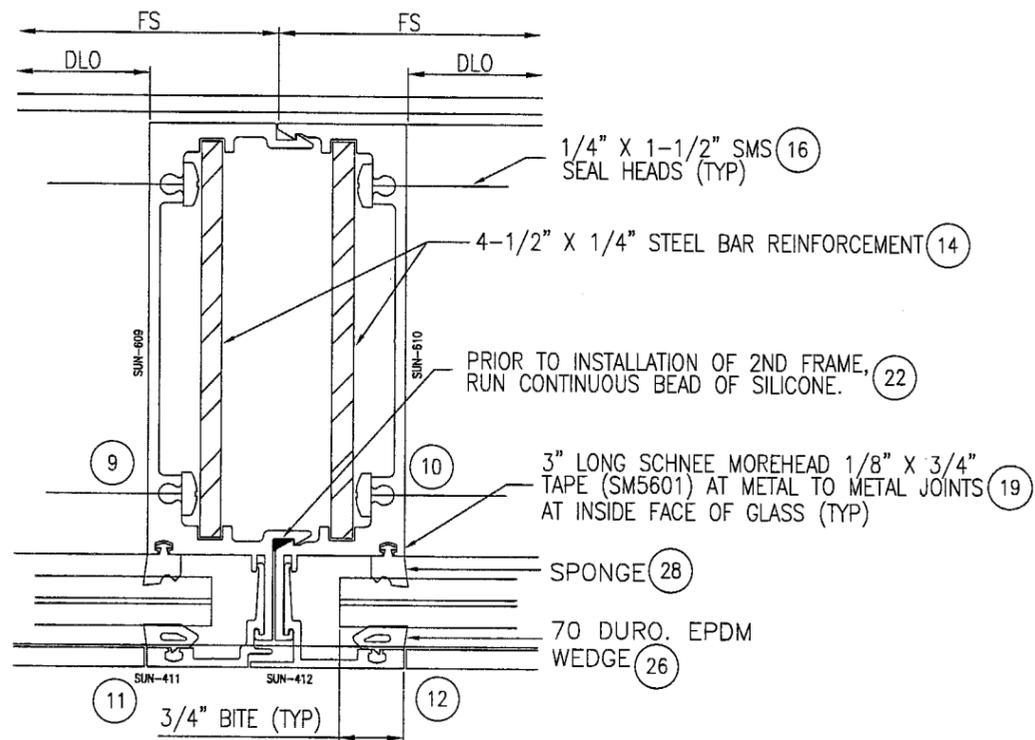
WINDOW WALL

Approved as complying with the
 Florida Building Code
 Date **MARCH 24, 2005**
 NOA# **04-1105.02**
 Miami Dade Product Control
 Division
 By *[Signature]*

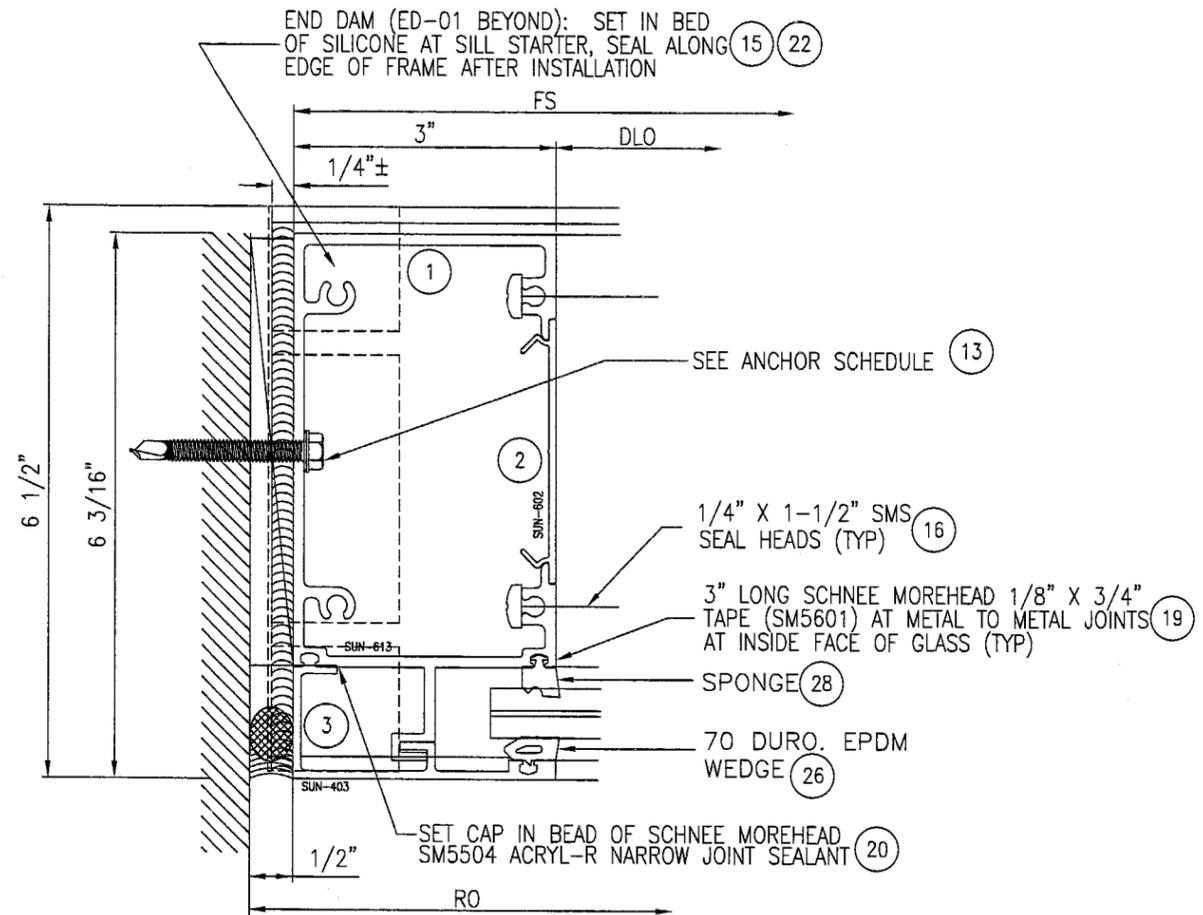
ITEM: HORIZONTAL CROSS SECT.
 FILE#: 650WW-SMI
 SHEET#: 2 OF 14



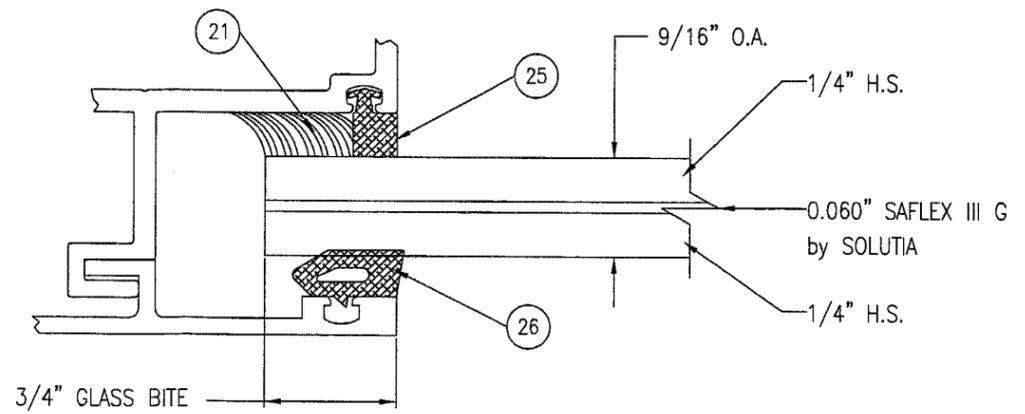
E INTERMEDIATE VERTICAL
10' ELEVATION (NO REINFORCEMENT)



F INTERMEDIATE VERTICAL
12' ELEVATION (REINFORCED)

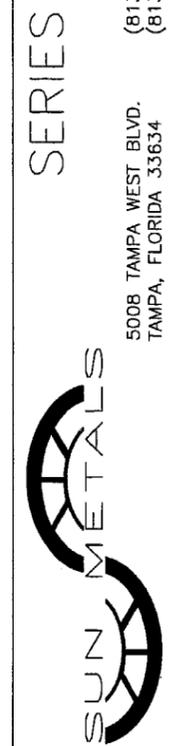


D JAMB



TYPICAL GLAZING DETAIL

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9127
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 2/23/05
 Wendell W. Hickey, P.E. No. 54158

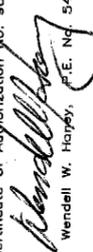


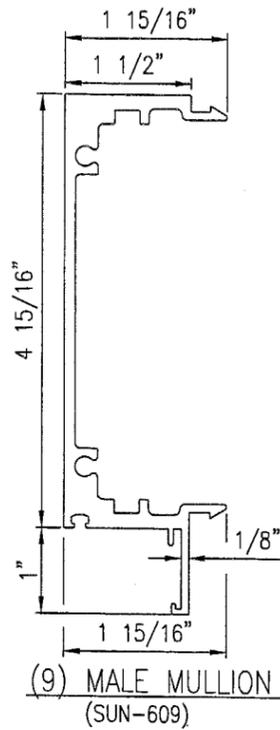
5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

Scale: NTS	11/20/03	1	WHH	Revised per Date Letter	11/30/04
Date: JFU	1	1	1	1	1
Drawn: JFU	1	1	1	1	1
Checked: ECY	1	1	1	1	1
Rev. Rev. By	#				Rev. Date
TAS 201-203					
SMALL MISSILE					
WINDOW WALL					

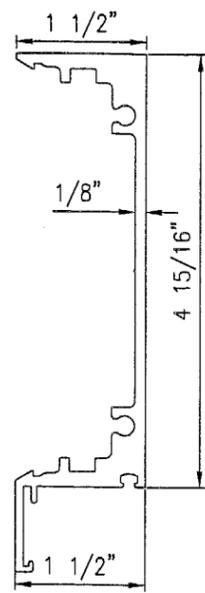
Approved as complying with the
 Florida Building Code
 Date **MARCH 24, 2005**
 NOA# **04-1105-02**
 Miami Dade Product Control
 Division
 By *[Signature]*

ITEM: VERTICAL CROSS SECTIONS
 FILE#: 650WW-SMI
 SHEET#: 3 OF 14

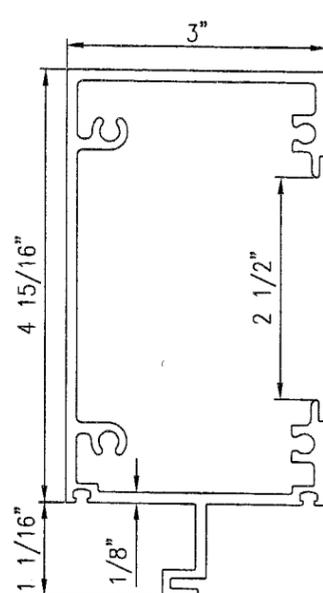
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 250 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 2/23/05

 Wendell W. Hoppey, P.E. No. 54158



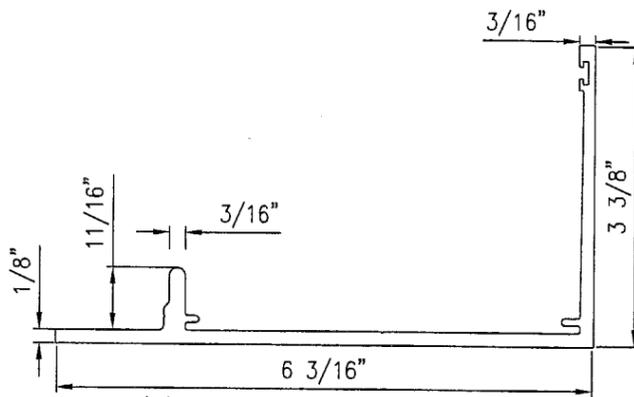
(9) MALE MULLION
(SUN-609)



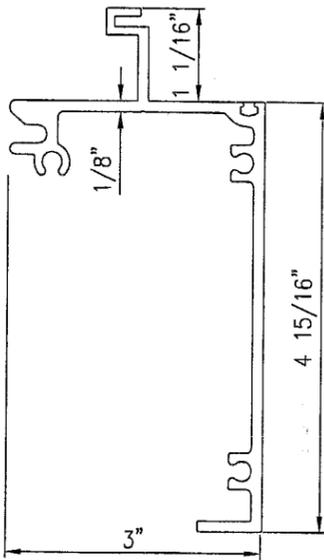
(10) FEMALE MULLION
(SUN-610)



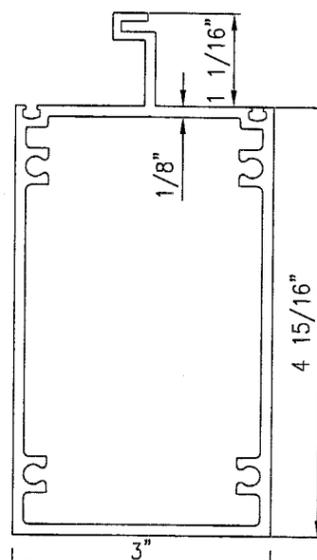
(1) JAMB/HEAD
(SUN-613)



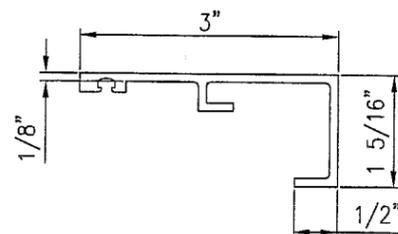
(8) ALTERNATE STARTER SILL
(SUN-614)



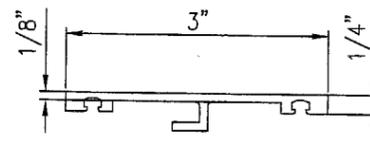
(6) SILL
(SUN-606)



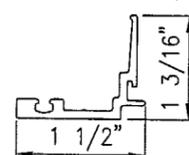
(5) HORIZONTAL
(SUN-605)



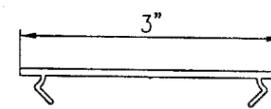
(3) FACE CAP
(SUN-403)



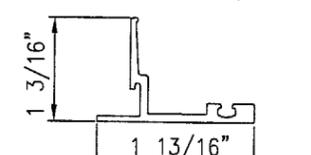
(4) FACE CAP
(SUN-404)



(11) SPLIT MULL CAP
(SUN-411)



(2) FILLER
(SUN-602)



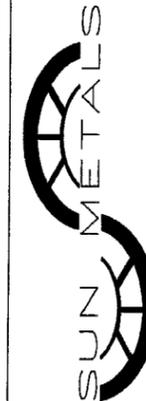
(12) SPLIT MULL CAP
(SUN-412)

GASKETS

-  26
-  27
-  28

Bill of Materials				
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 14)	-	
14	-	REINFORCEMENT: 4-1/2" X 1/4" STEEL BAR	A36	
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 (OR EQ.)
19	SM5601	TAPE SEALANT	-	SCHNEE MOREHEAD (OR EQ)
20	SM5504	SEAM SEALER	-	SCHNEE MOREHEAD (OR EQ)
21	-	NOT USED	-	
22	SPECTREM1	PERIMETER SILICONE SEALANT	SILICONE	TREMCO OR EQUAL
23	-	WEEP STRAW	PLASTIC	
24	-	WEEP BAFFLE 30 PPI / OPEN CELL	POLYST.	NORTON (OR EQUAL)
25	-	NOT USED	-	
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	TR-6142N	NEOPRENE SPONGE	NEOPRENE	TREMCO (OR EQUAL)

SERIES



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

Scale: NTS	11/20/03	1	11/30/04
Date: JFU	ECV	WHI	Rev. Date
Drawn: JFU	ECV	WHI	Rev. By
Checked: ECV	ECV	WHI	Rev. #
TAS 201-203 SMALL MISSILE		WINDOW WALL	

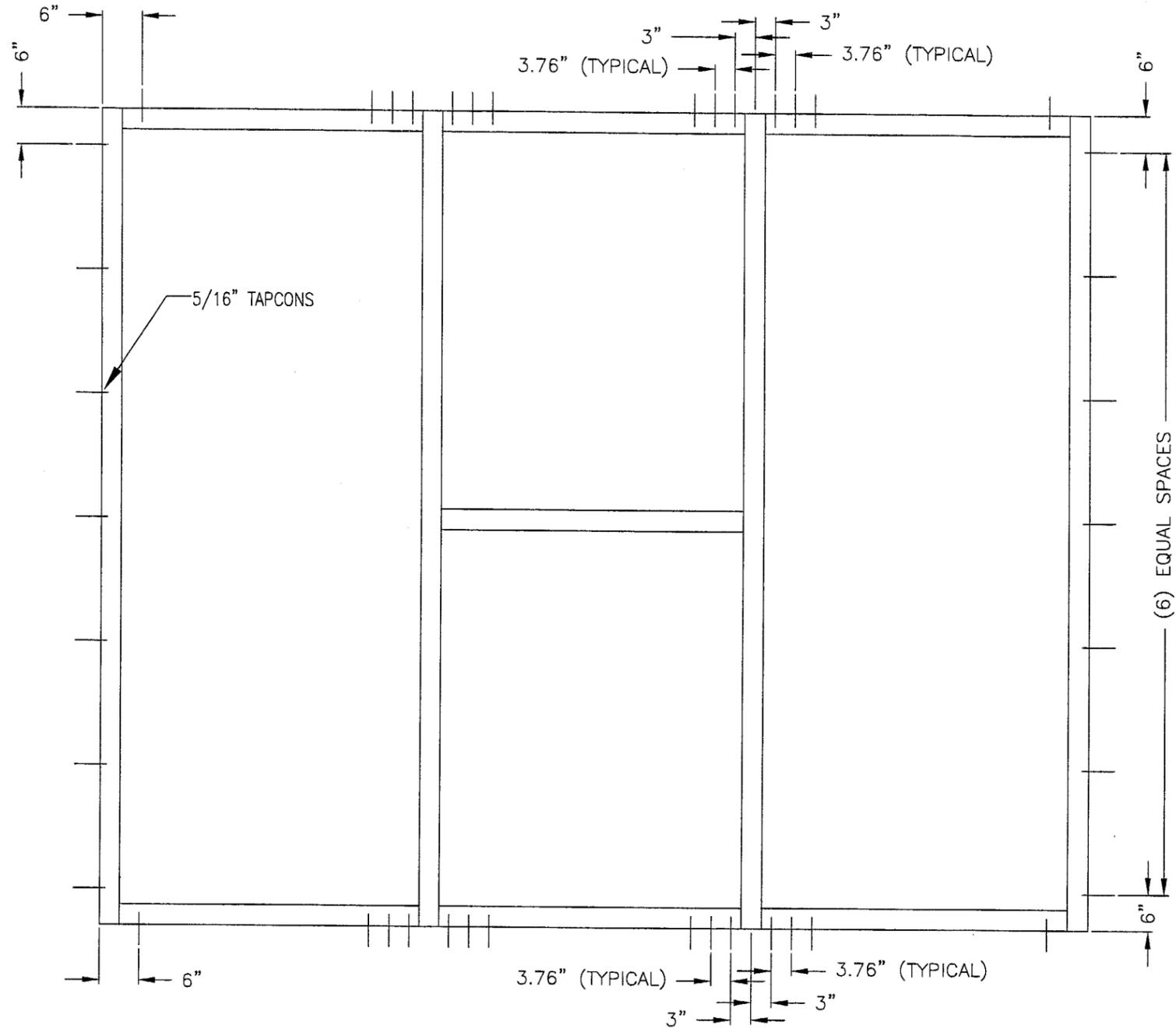
Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105.02
 Miami Dade Product Control
 Division
 By Wendell Hoppey

ITEM: B.O.M. & COMPONENTS

FILE#: 650WW-SMI

SHEET#: 4 OF 14

R:\IN ACTIVE PROJECTS 500 - 650\F629\650WW-SMI-DWG\650WW-SMI-DWG 2.DWG

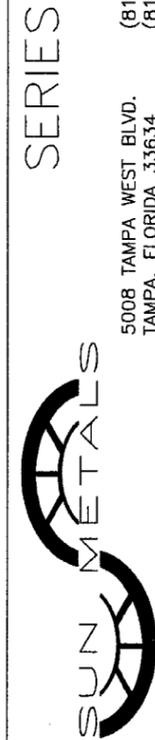


ANCHORING USING 5/16" ELCO TAPCONS
(FOR ANCHORING TO CONCRETE OR HOLLOW BLOCK)

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.959.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 2/23/05
 Wendell W. Haney, P.E. No. 54158

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



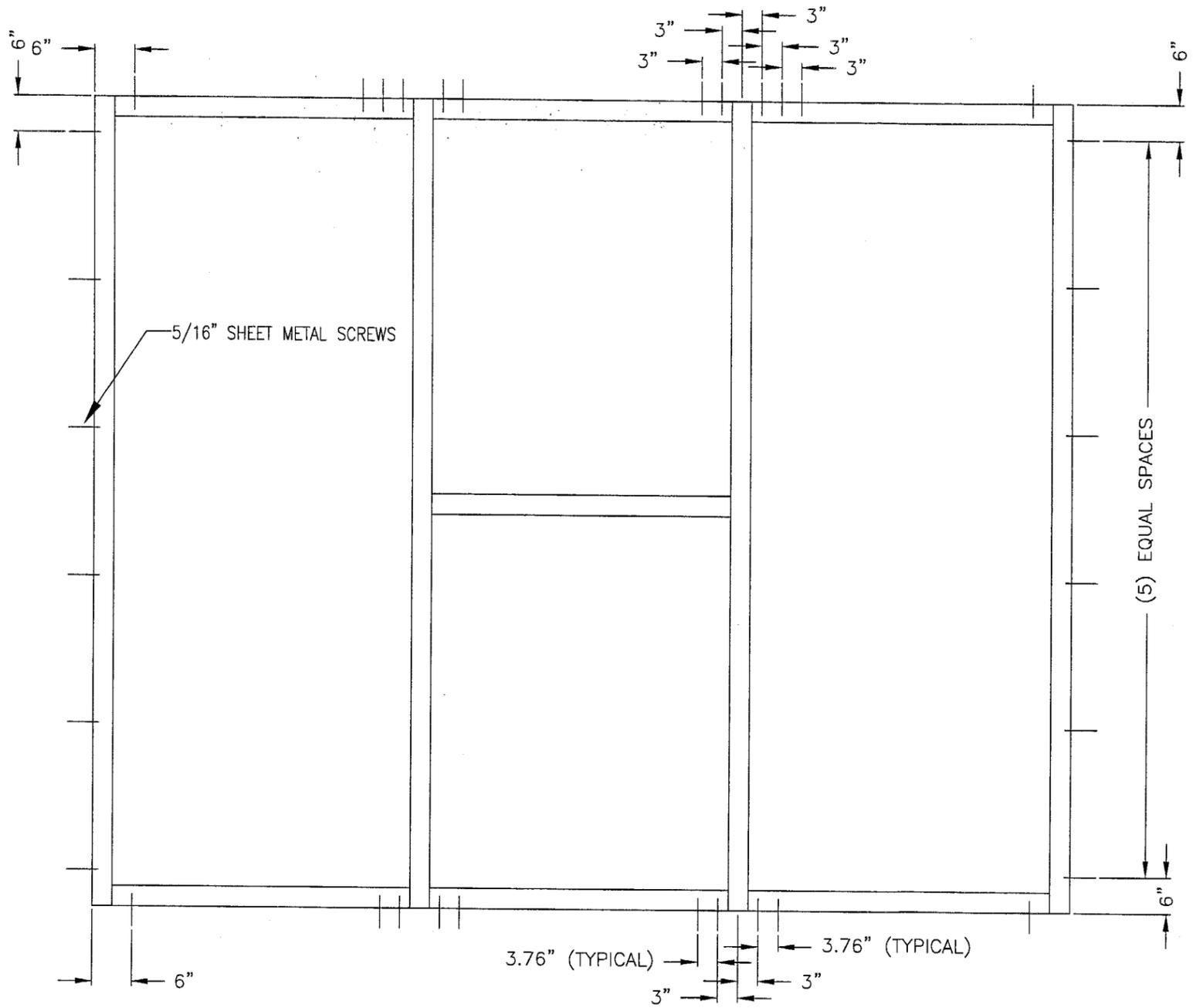
5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203
 SMALL MISSILE
 WINDOW WALL

Scale: NTS	Rev. #	Rev. Date
Date: 11/20/03	1	11/30/04
Drawn: JFU	WVH	Revised per Dade Letter
Checked: ECY	WVH	Revision Notes

Approved as complying with the
 Florida Building Code
 Date MARCH 24 2005
 NOA# 04-1105.02
 Miami Dade Product Control
 Division
 By: *[Signature]*

ITEM: MULTIPLE ANCHORING
 FILE#: 650WW-SMI
 SHEET#: 5 OF 14

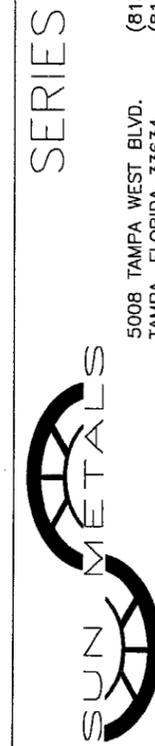


ANCHORING USING 5/16" SHEET METAL SCREWS
 (FOR ANCHORING TO 16 GA. MIN STEEL SUBSTRATE)

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

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

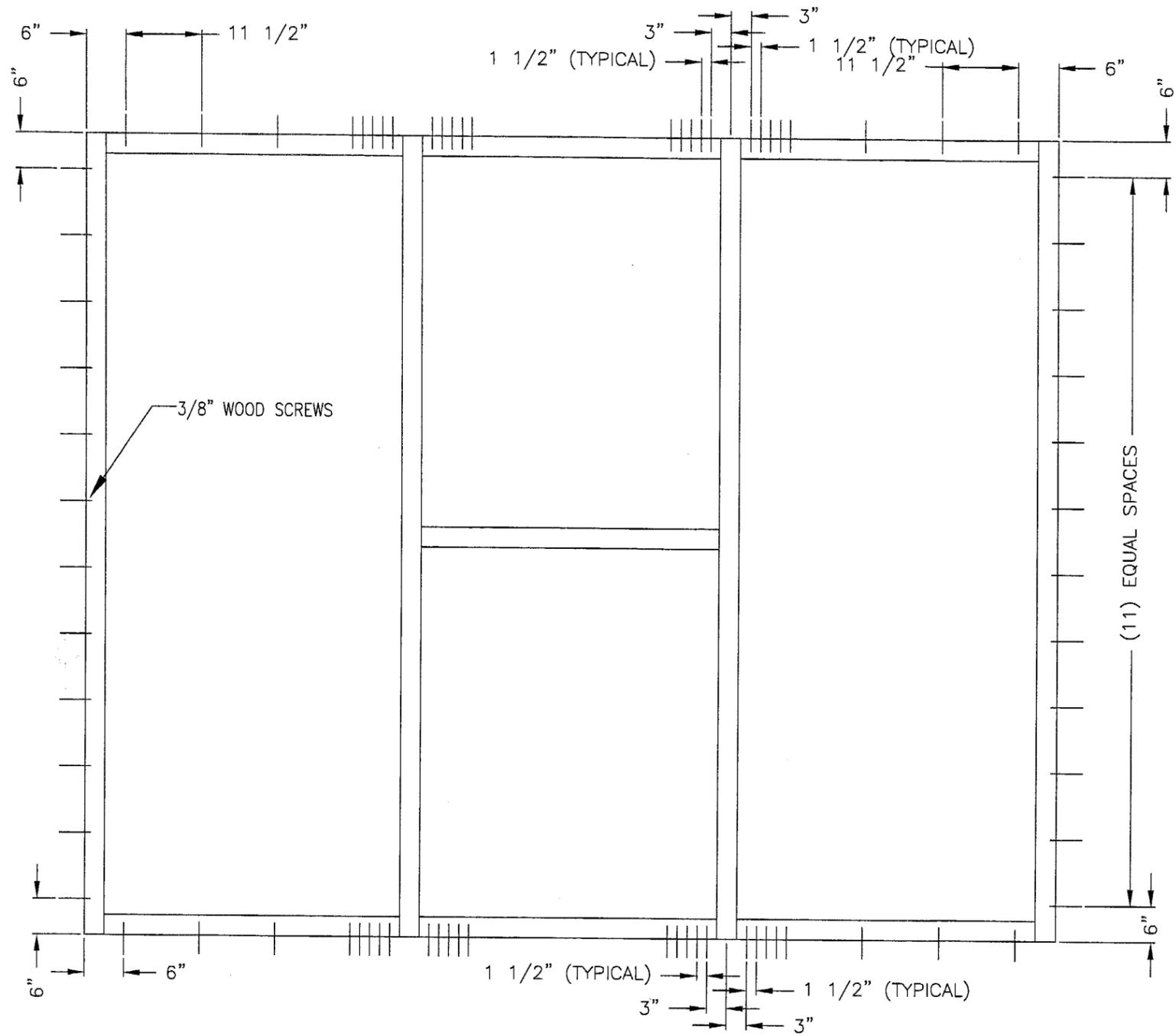


5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203 SMALL MISSILE WINDOW WALL	Scale: NIS	Rev. #	Rev. Date
	Date: 11/20/03	1	11/30/04
	Drawn: JFU	WVH	Revised per Dada Letter
	Checked: ECV		Revision Notes

Approved as complying with the
 Florida Building Code
 Date **MARCH 24, 2005**
 NOA# **04-1105-02**
 Miami Dade Product Control
 Division
 By *Mmanuel Perez*

ITEM: MULTIPLE ANCHORING
 FILE#: 650WW-SMI
 SHEET#: 6 OF 14



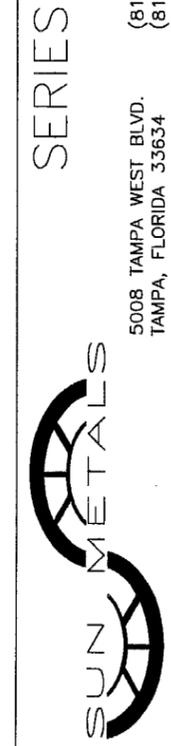
3/8" WOOD SCREWS

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

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

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



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

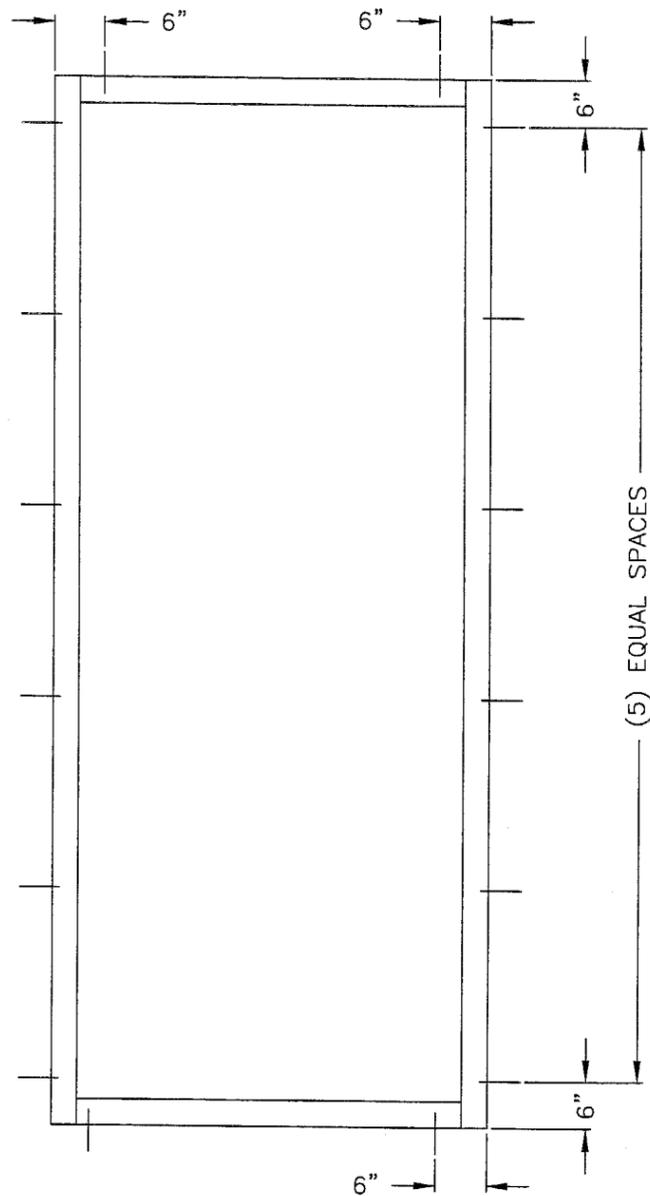
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Date:	JFU	1	Rev. Rev. By	Revision Notes	Rev. Date
Checked: ECV		#			

TAS 201-203
 SMALL MISSILE
 WINDOW WALL

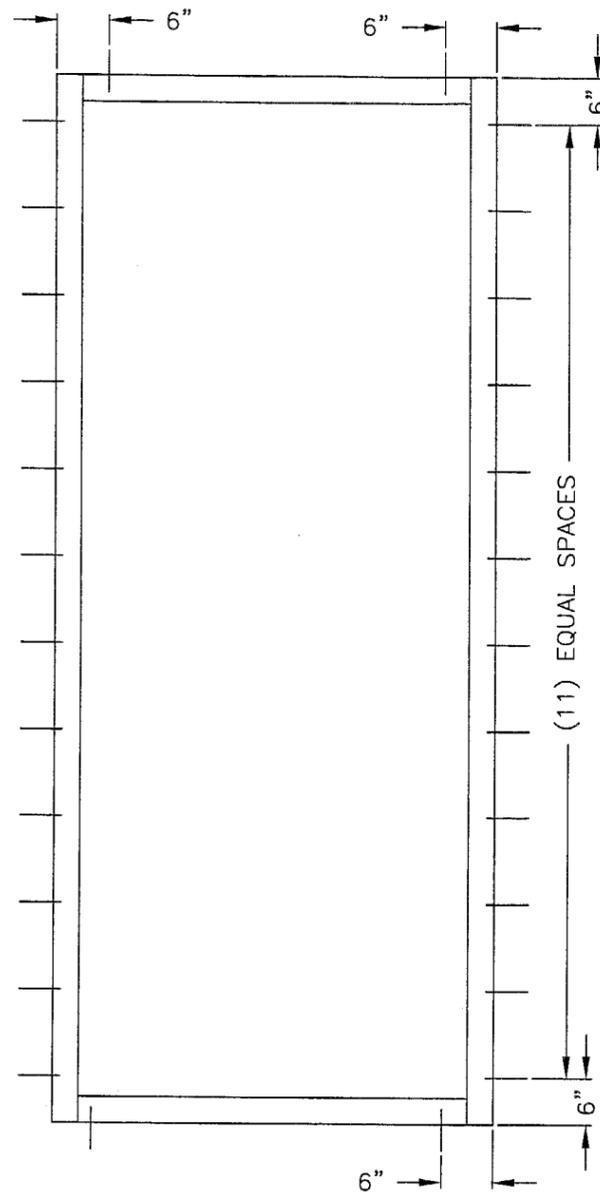
Approved as complying with the
 Florida Building Code
 Date **MARCH 24, 2005**
 NOA# **04-1105-02**
 Miami Dade Product Control
 Division
 By *[Signature]*

ITEM: MULTIPLE ANCHORING
 FILE#: 650WW-SMI
 SHEET#: 7 OF 14

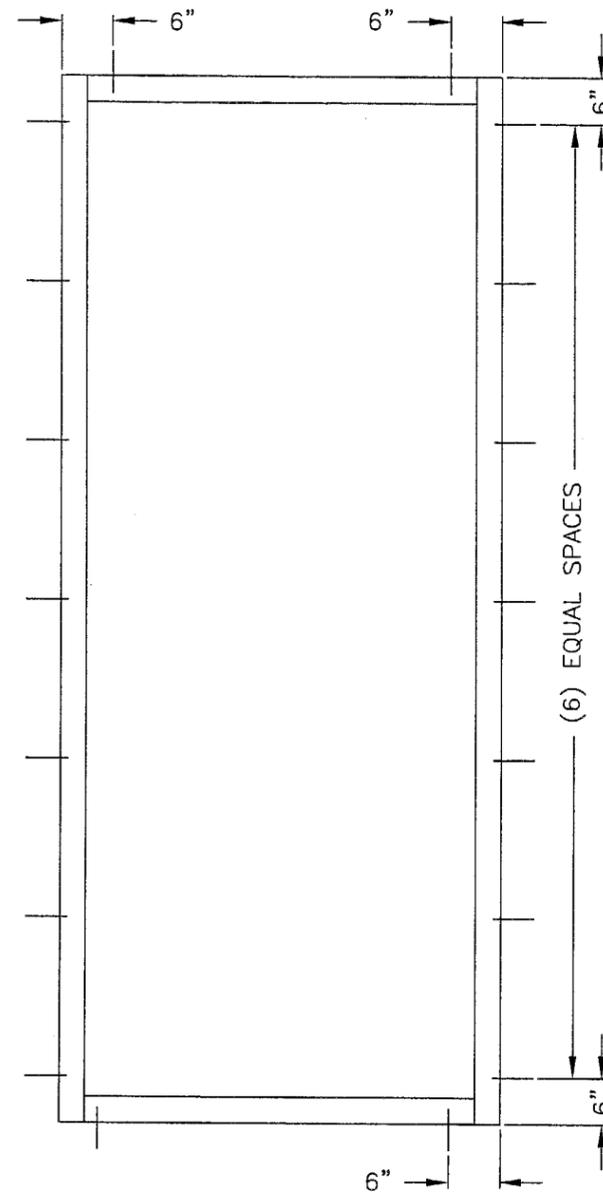
R:\IN ACTIVE PROJECTS 500 - 650\PF629\650WW-SMI-DWG\650WW-SMI-DWG 2.DWG



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)

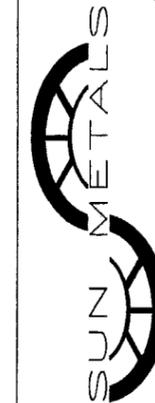


ANCHORING USING 5/16" TAPCONS
(FOR ANCHORING TO CONC. OR HOLLOW BLOCK)

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 Valrico 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



SERIES

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

TAS 201-203
 SMALL MISSILE

WINDOW WALL

Scale: NTS
 Date: 11/20/03
 Drawn: JFU
 Checked: ECY

1 WWH
 Revised per Dade Letter

Rev. #
 Rev. By
 Revision Notes

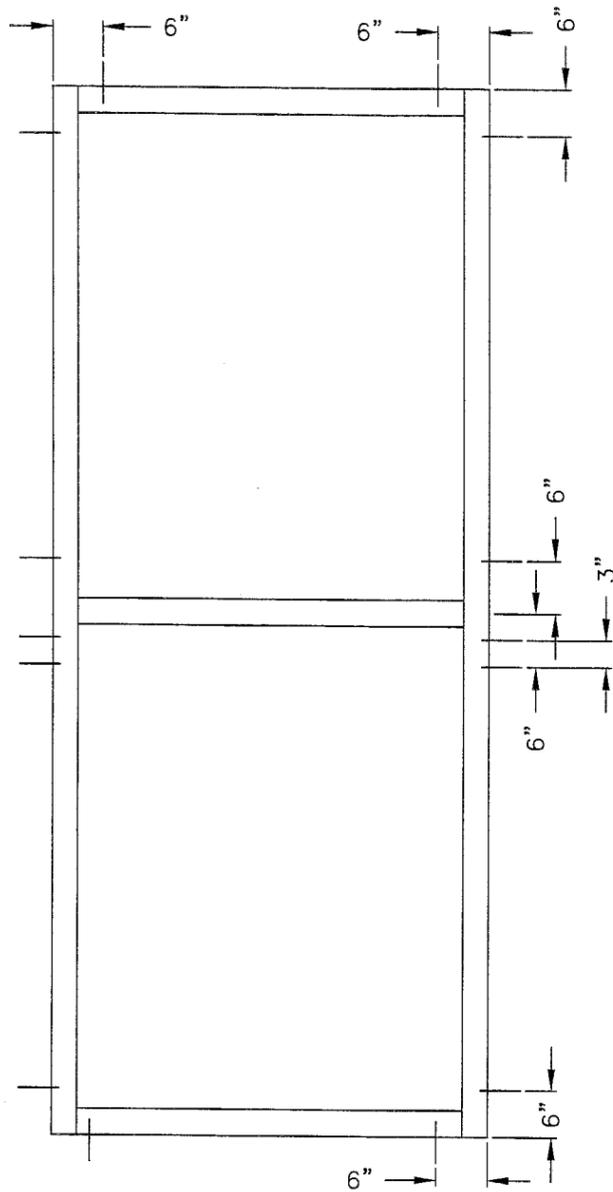
11/30/04
 Rev. Date

Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105-02
 Miami Dade Product Control
 Division
 By *Manuel Perez*

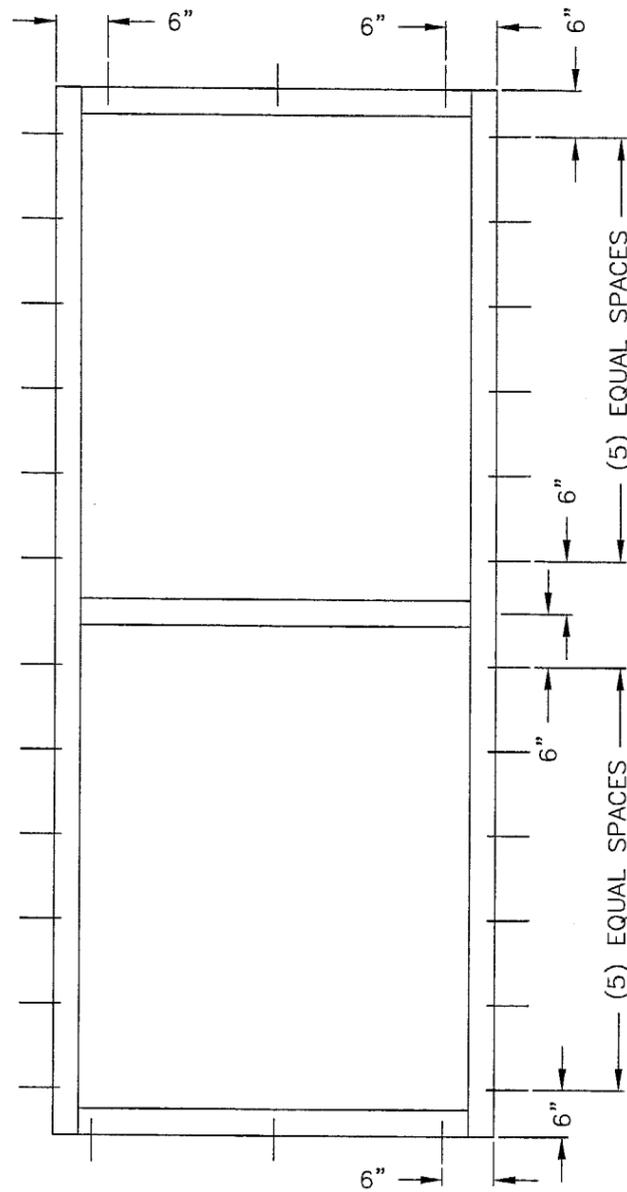
ITEM: SINGLE ANCHORING

FILE#: 650WW-SMI

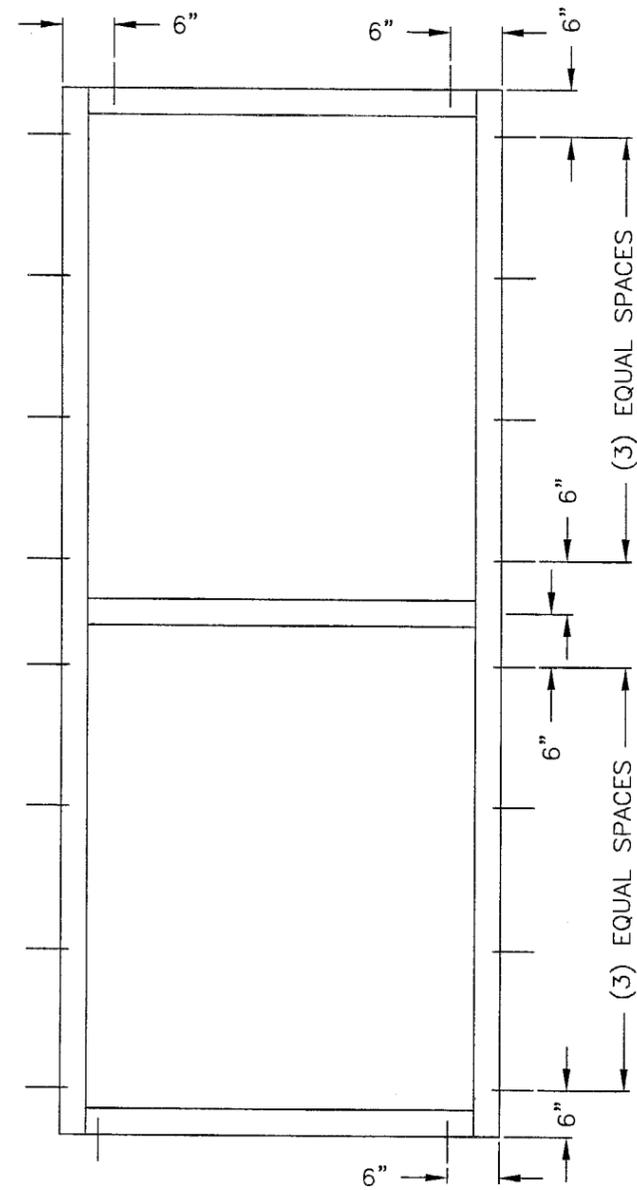
SHEET#: 8 OF 14



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)

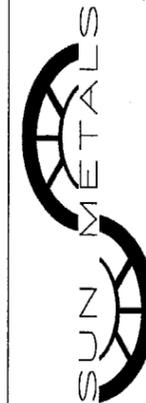


ANCHORING USING 5/16" TAPCONS
(FOR ANCHORING TO CONC. OR HOLLOW BLOCK)

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. 9813
Wendell W. Haney 2/23/05
 Wendell W. Haney, P.E. No. 54158



SERIES

5008 TAMPA WEST BLVD. (813) 889-0718
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TAS 201-203
 SMALL MISSILE

WINDOW WALL

Scale: NTS
 Date: 11/20/03
 Drawn: JFU
 Checked: ECY

1 WWH
 Revised per Date Letter

Rev. Rev. By
 # Revision Notes

11/30/04
 Rev. Date

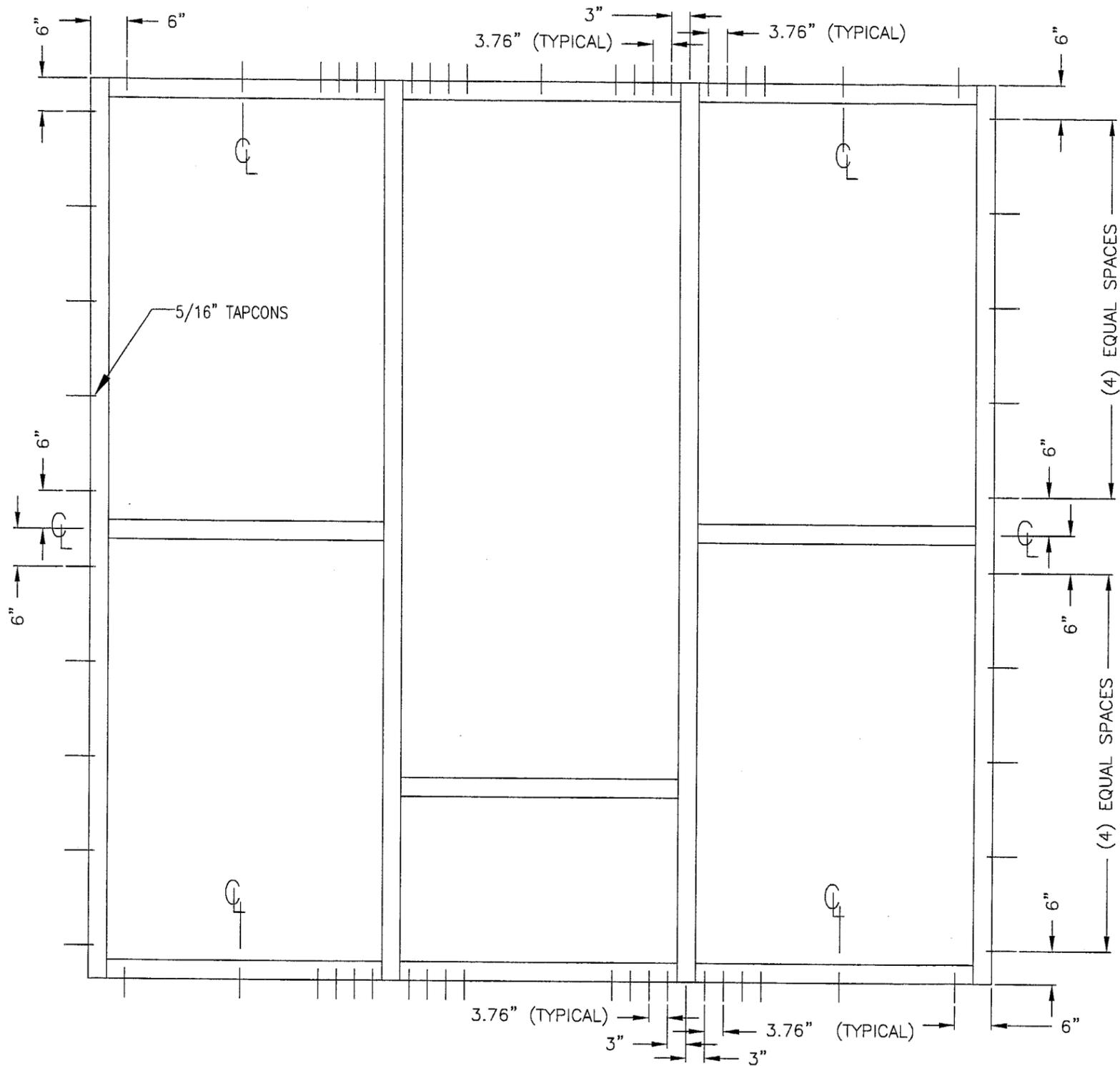
Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105-02
 Miami Trade Product Council
 Division
 By *Manuel Perez*

ITEM: SINGLE ANCHORING

FILE#: 650WW-SMI

SHEET#: 9 OF 14

R:\IN ACTIVE PROJECTS 500 - 650\PE629\650WW-SMI-DWG\650WW-SMI-DWG 2.DWG



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

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.658.9197

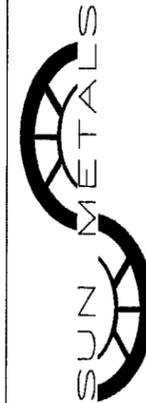
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Honey 2/23/05
Wendell W. Honey, P.E. No. 84158

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



SERIES

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

TAS 201-203
SMALL MISSILE

WINDOW WALL

Scale: NTS
Date: 11/20/03
Drawn: JFU
Checked: ECV

1 WWH
Revised per Code Letter

Rev. Rev. By
#

11/30/04
Rev. Date

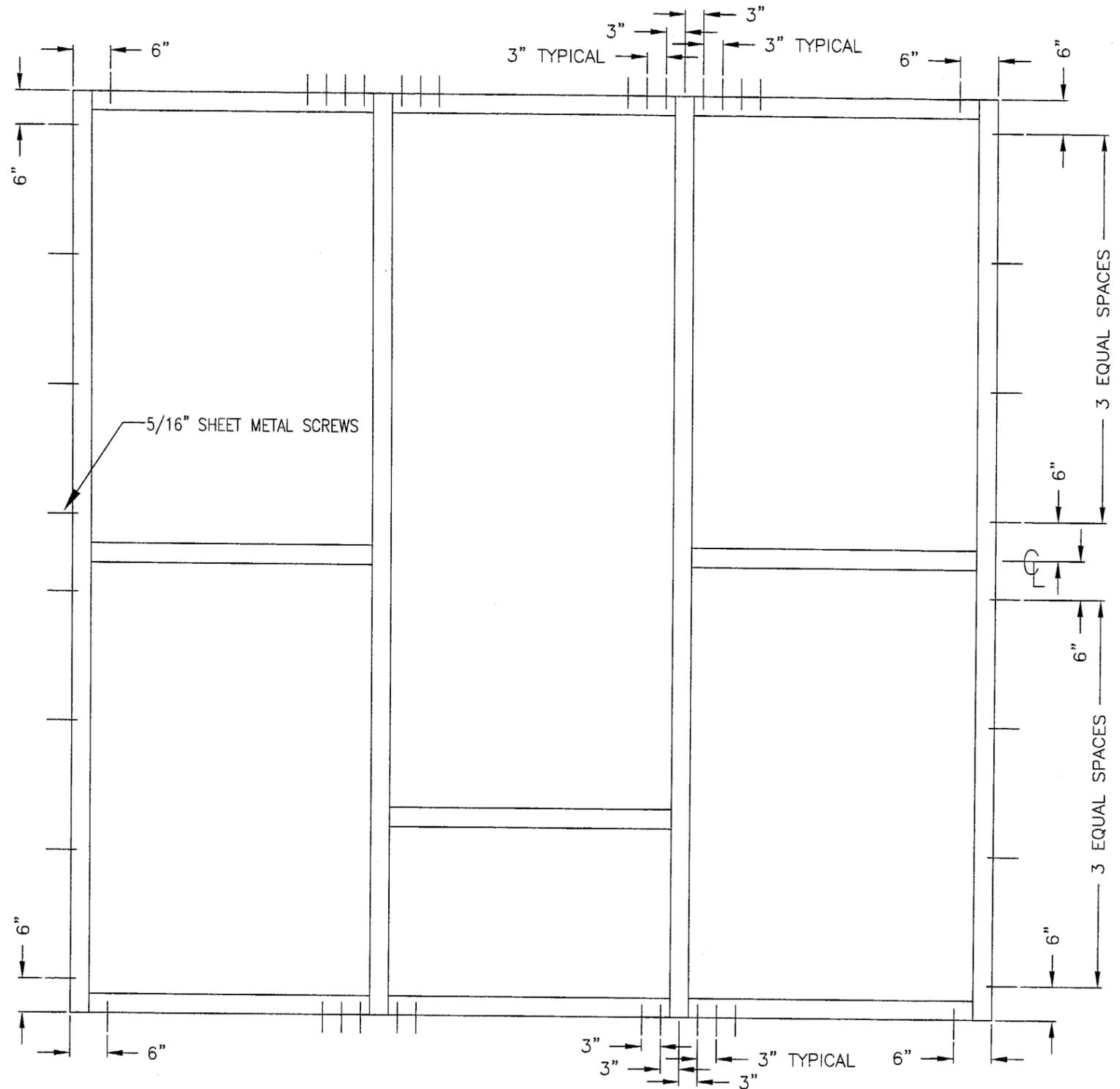
Approved as complying with the
Florida Building Code
Date MARCH 24, 2005
NOA# 04-1125-DZ
Miami Dade Product Control
Division
By *Manuel Perez*

ITEM: MULTIPLE ANCHORING

FILE#: 650WW-SMI

SHEET#: 10 OF 14

R:\IN ACTIVE PROJECTS 500 - 650\PT629\650WW-SM1-DWG\650WW-SM1-DWG 2.DWG



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

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

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



SERIES

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

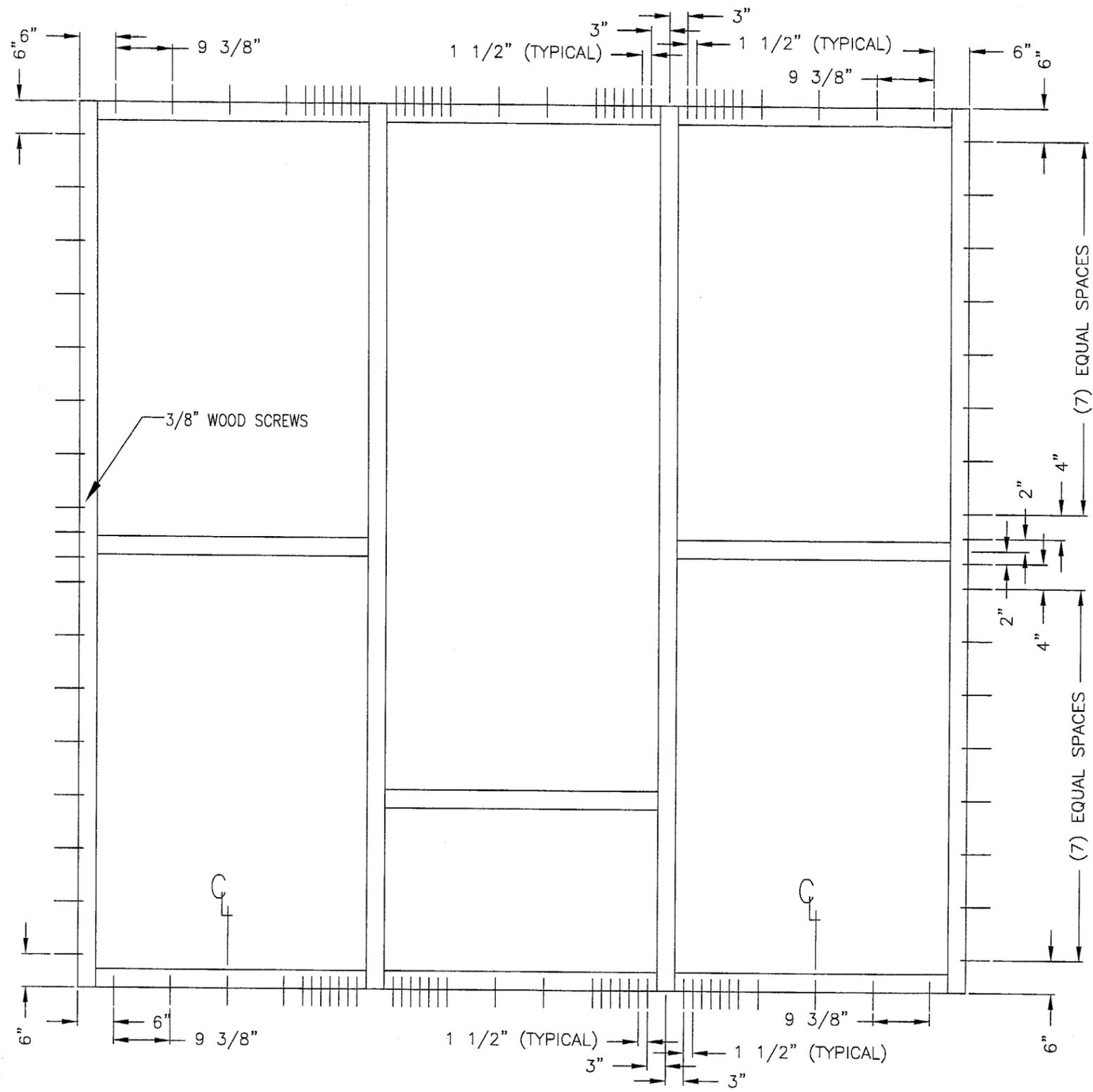
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Date: 11/20/03	
Drawn: JFU	
Checked: ECY	
Rev. #	1
Rev. By	WHH
Rev. Date	11/30/04

TAS 201-203
 SMALL MISSILE
 WINDOW WALL

Approved as complying with the
 Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105-02
 Miami Dade Product Control
 Division
 By *Manuel Perez*

ITEM: MULTIPLE ANCHORING
 FILE#: 650WW-SM1
 SHEET#: 11 OF 14

R:\IN ACTIVE PROJECTS 500 - 650\PF629\650WW-SM1-DWG\650WW-SM1-DWG 2.DWG



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

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 2/23/05
 Wendell W. Haney, P.E. No. 54138

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



SERIES

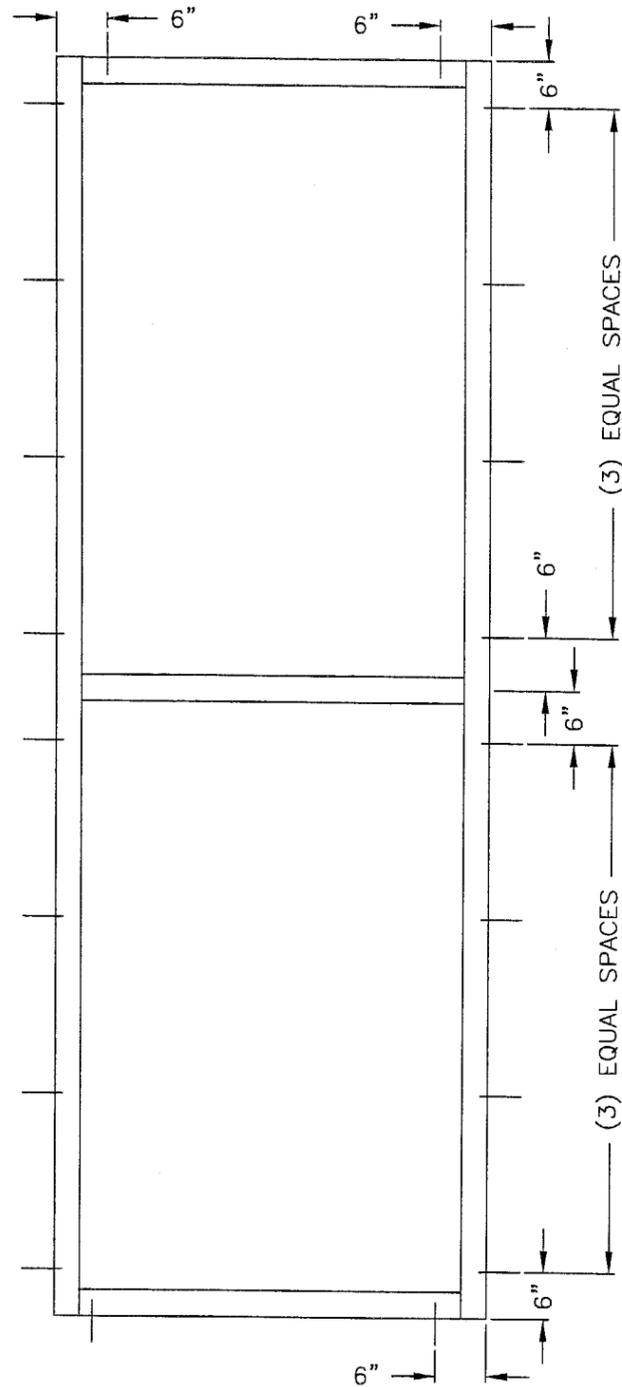
5008 TAMPA WEST BLVD. (813) 889-0718
 TAMPA, FLORIDA 33634 (813) 886-0666 (Fax)

TAS 201-203 SMALL MISSILE	Scale: NTS	Date: 11/20/03	Drawn: JFU	Checked: ECY	Rev. #	Rev. Date
WINDOW WALL					1	11/30/04
					#	#
					1	11/30/04
					#	#

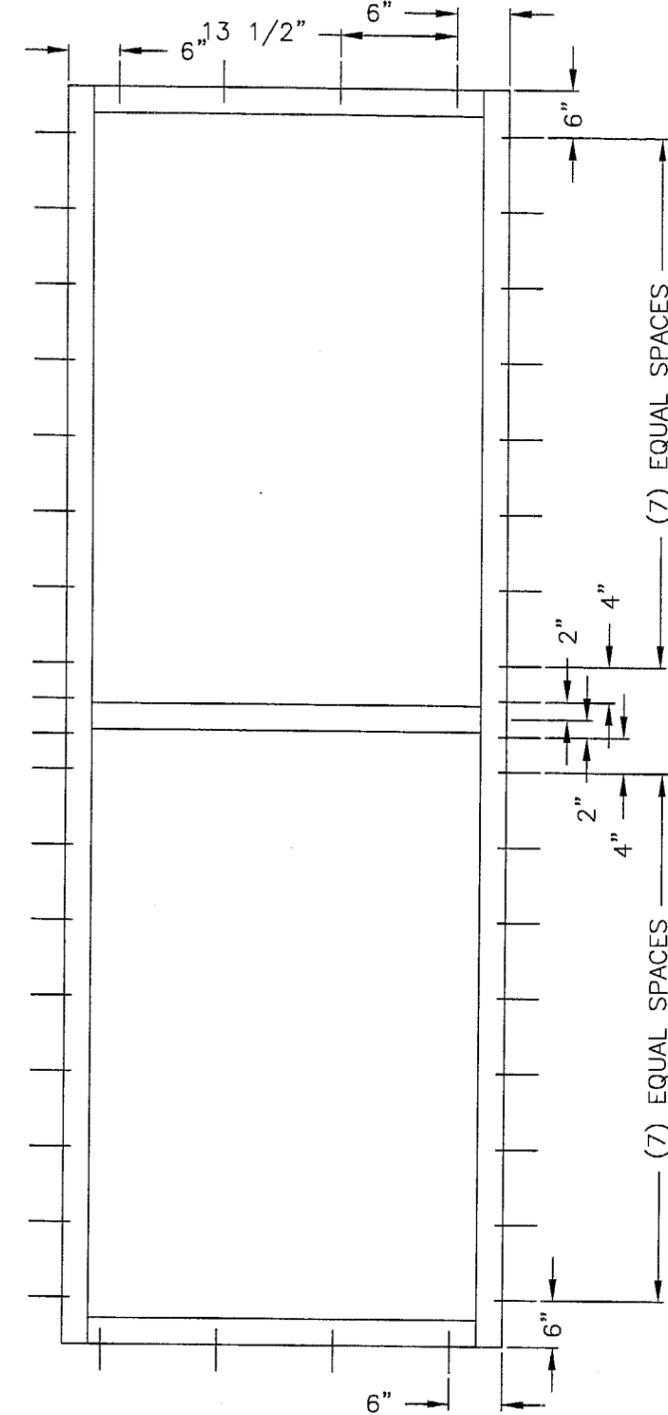
Approved as complying with the Florida Building Code
 Date MARCH 24, 2005
 NOA# 04-1105.02
 Miami Dade Product Control
 Division
 By *Samuel Perez*

ITEM: MULTIPLE ANCHORING
 FILE#: 650WW-SM1
 SHEET#: 12 OF 14

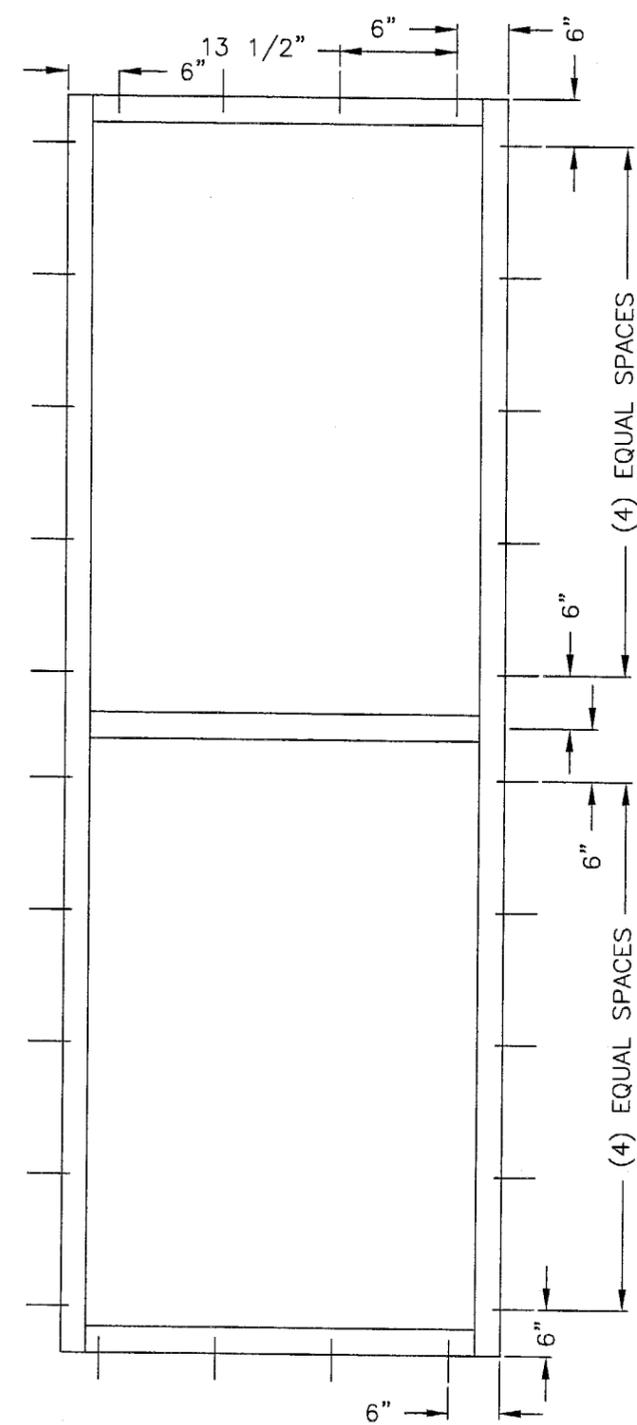
R:\IN ACTIVE PROJECTS 500 - 650\PF629\650WW-SM1-DWG\650WW-SM1-DWG 2.DWG



(FOR ANCHORING TO 16 GA. MIN STEEL SUBSTRATE)



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



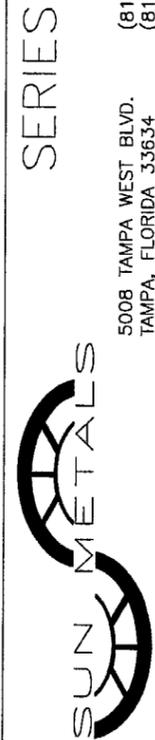
ANCHORING USING 5/16" TAPCONS
(FOR ANCHORING TO CONC. OR HOLLOW BLOCK)

NOTES:

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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. 9813
Wendell W. Hanger 2/23/05
Wendell W. Hanger, P.E. No. 54258



SERIES

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

TAS 201-203
SMALL MISSILE

WINDOW WALL

Scale: NTS
Date: 11/20/03
Drawn: JFU
Checked: ECV

1 WWH Revised per Dade Letter
Rev. Rev. By
Revision Notes

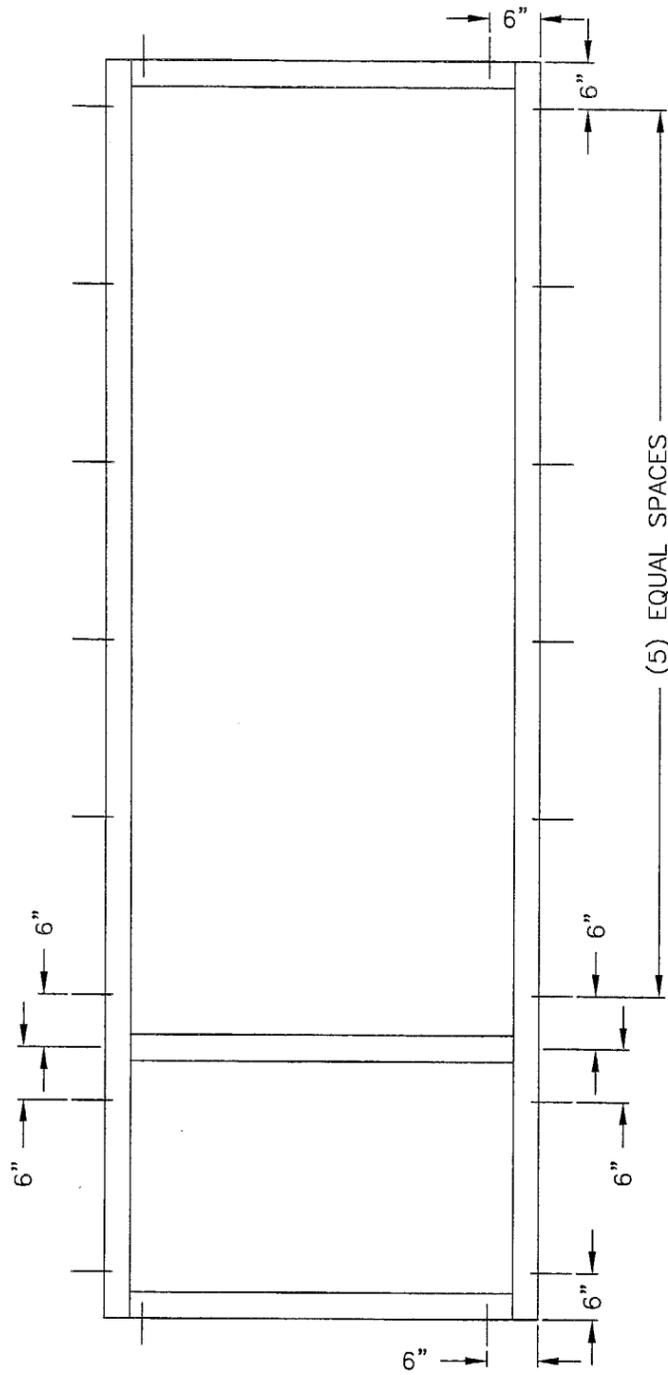
11/30/04
Rev. Date

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Date MARCH 21, 2005
NOA# 04-1105-02
Miami Dade Product Control
Division
By *Manuel Perez*

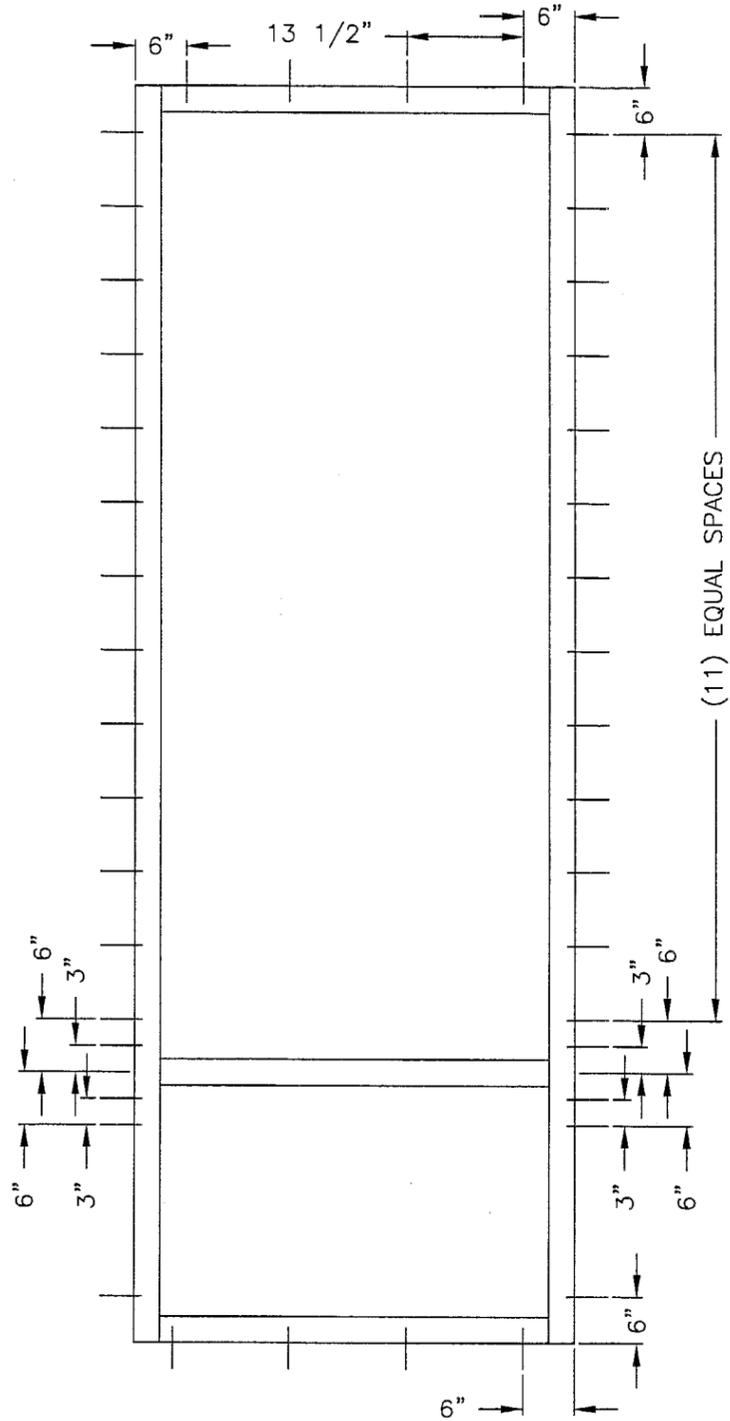
ITEM: SINGLE ANCHORING

FILE#: 650WW-SM1

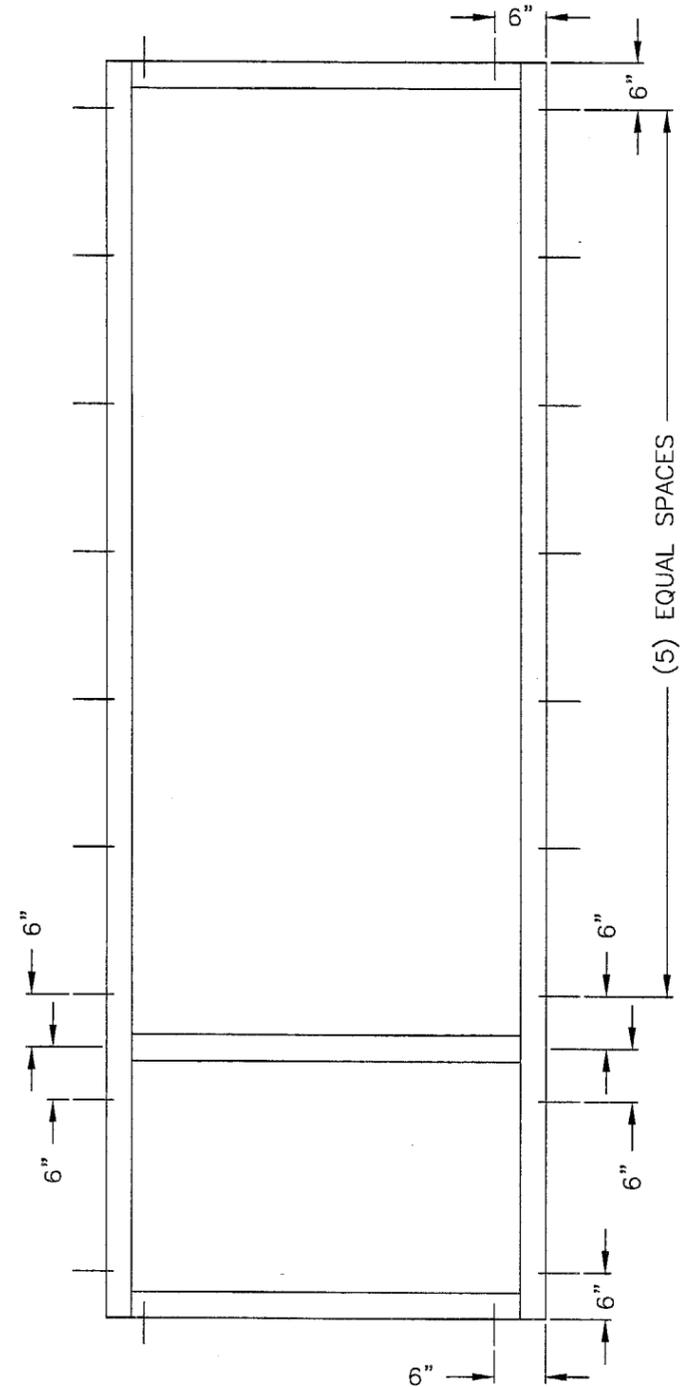
SHEET#: 13 OF 14



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)

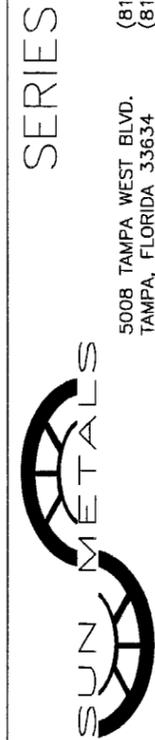


ANCHORING USING 5/16" ELCO TAPCONS
(FOR ANCHORING TO CONC. OR HOLLOW BLOCK)

NOTES:

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- SEE ANCHOR SCHEDULE, SHEET #2

Documents Prepared By:
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 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
Wendell W. Hays 2/23/05
 Wendell W. Hays, P.E. No. 54158



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

TAS 201-203
 SMALL MISSILE

WINDOW WALL

Scale: NTS
 Date: 11/20/03
 Drawn: JFU
 Checked: ECV

1 WHH
 Rev. Rev. By
 # Revision Notes

11/30/04
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 Miami Date Product Control
 Division
 By *Manuel Perez*

ITEM: SINGLE ANCHORING

FILE#: 650WW-SMI

SHEET#: 14 OF 14