



**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.
5140 West 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "275" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No SH-LMI, titled "Series '275' Single Hung ", sheets 1 through 6 of 6, dated 06/11/03, 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

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, and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio Gonzalez, P.E., Director, BCCO**



*Wubz
8/12/04*

**NOA No 04-0706.01
Expiration Date: September 02, 2009
Approval Date: September 02, 2004
Page 1**

Sun Metal Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **SH-LMI**, Sheets 1 through 6 of 6, titled "Series '275' Single Hung ", dated 06/11/03, 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) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of single hung window, prepared by Hurricane Test Laboratory, Inc., and Test Report No. **HTL-0280-0918-03**, (Specimen 2), dated September 26, 2003, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, PA 201-94
3) Cyclic Wind Pressure Loading per FBC, PA 203-94
along with marked-up drawings and installation diagram of single hung window, prepared by Hurricane Test Laboratory, Inc., and Test Report No. **HTL-0280-0918-03**, (specimen 2), dated October 23, 2003, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Large Missile Impact Test per FBC, PA 201-94
2) Cyclic Wind Pressure Loading per FBC, PA 203-94
along with marked-up drawings and installation diagram of single hung window, prepared by Hurricane Test Laboratory, Inc., and Test Report No. **HTL-0280-0918-03**, (specimen 3-4), dated October 23-29, 2003, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

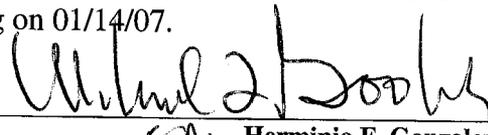
1. Anchor calculations, ASTM-E1300, and structural analysis, prepared by RW Building Consultants, Inc., dated 06/29/04, signed and sealed by Wendell W. Haney

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0608.03** issued to E.I. DuPont DeNemours for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.



for Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 04-0706.01

Expiration Date: September 02, 2009
Approval Date: September 02, 2004

Sun Metal Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

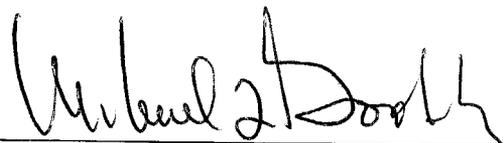
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for "Saflex HP", dated 05/22/03, and expiring on 04/14/08.

F. STATEMENTS

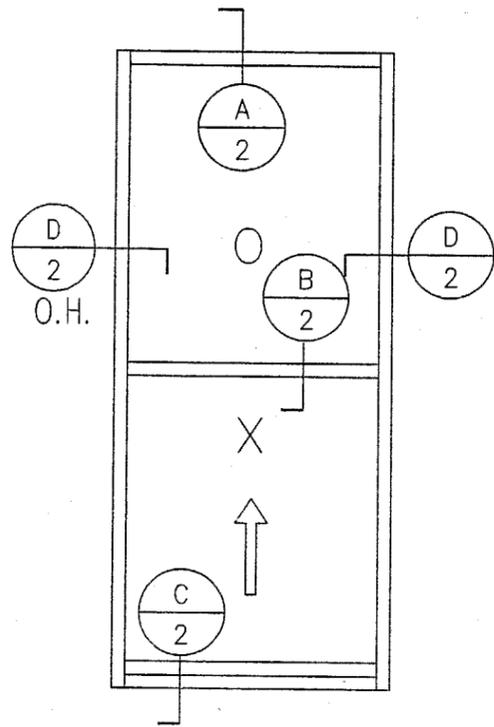
1. Statement letter of conformance and no financial interest, dated February 25, 2004, signed by Jay Halton.
2. Statement letter of conformance and no financial interest, dated June 25, 2004, signed and sealed by Wendell Haney, P.E.
3. Letter from Sun Metals Systems, Inc. dated April 20, 2004, designating Rick Wright of R.W. Building Consultants, Inc. as the contact person for this file.

G. OTHER

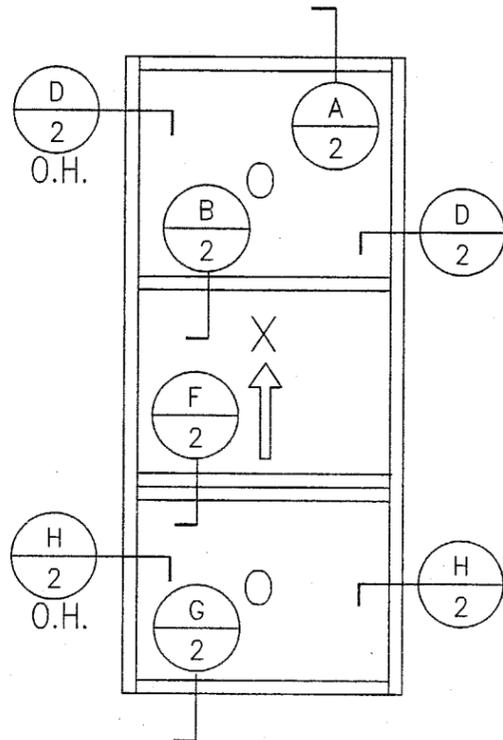
1. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



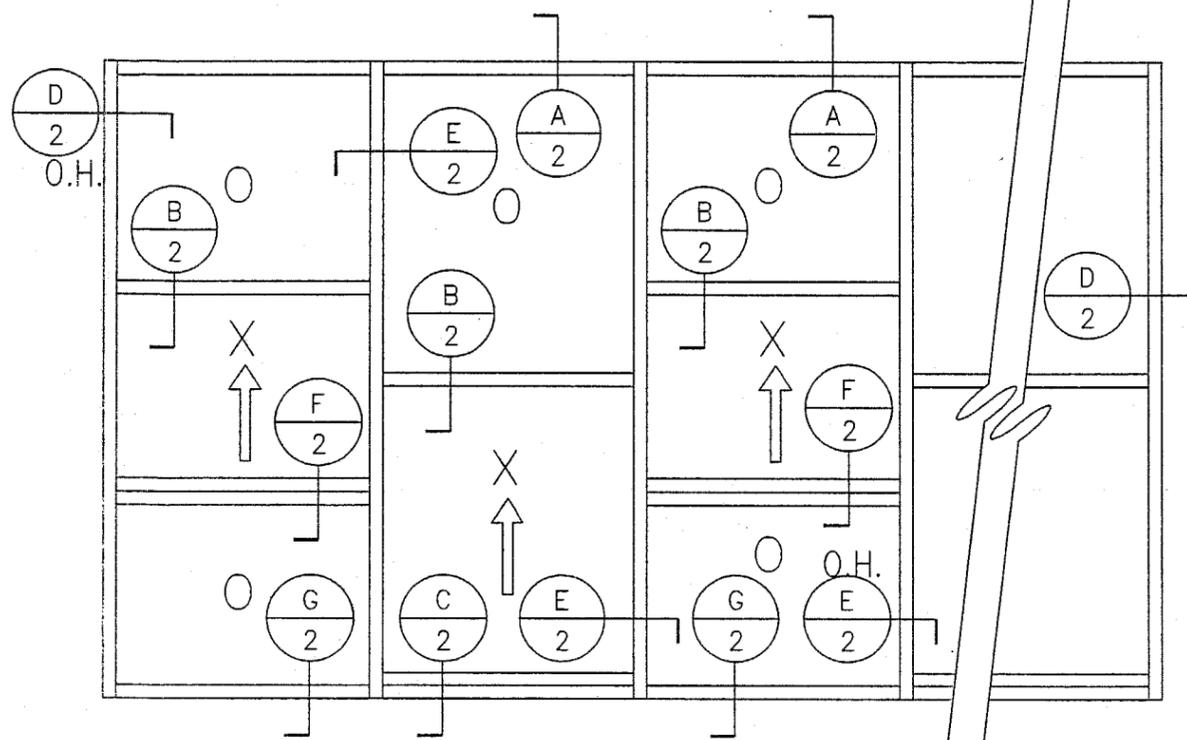
for Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 04-0706.01
Expiration Date: September 02, 2009
Approval Date: September 02, 2004



2 LITE
SINGLE HUNG
DESIGN PRESSURE
+100 PSF / -120 PSF



3 LITE
SINGLE HUNG
DESIGN PRESSURE
+100 PSF / -120 PSF



MULTIPLE WINDOW SYSTEM
SINGLE AND/OR MULTIPLE LITE
DESIGN PRESSURE
+78.23 PSF / -87.78 PSF

GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT - 9/16" LAMINATED

- (1) INSIDE LITE, 1/4" HS / .090 SAFLEX HP / OUTSIDE LITE, 1/4" HS
- (2) INSIDE LITE, 1/4" HS / .090 SENTRY PLUS / OUTSIDE LITE, 1/4" HS

LARGE MISSILE IMPACT RESISTANT - 7/16" LAMINATED

- (1) INSIDE LITE, 3/16" HS / .090 SAFLEX HP / OUTSIDE LITE, 3/16" HS
 - (2) INSIDE LITE, 3/16" HS / .090 SENTRY PLUS / OUTSIDE LITE, 3/16" HS
- SHUTTERS ARE NOT REQUIRED

MAX. DESIGN PRESSURES:

+78.23 PSF / -87.78 PSF FOR MULLED ASSEMBLIES
+100 PSF / -100 PSF FOR SINGLE UNITS

- NOTES:**
1. THIS STRUCTURE IS DESIGNED 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.

Wendell [Signature]
8/5/04

OPTIONAL ELEVATIONS

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SHEET 6	SINGLE & MULLED WINDOW ANCHORING

SUN METALS



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

Scale: NTS	Rev. Elevations	7-5-04
Date: 6/11/03	Rev. By	Rev. Date
Drawn: JFU	Rev. #	
Checked: ECY		

TAS 201-203
LARGE MISSILE

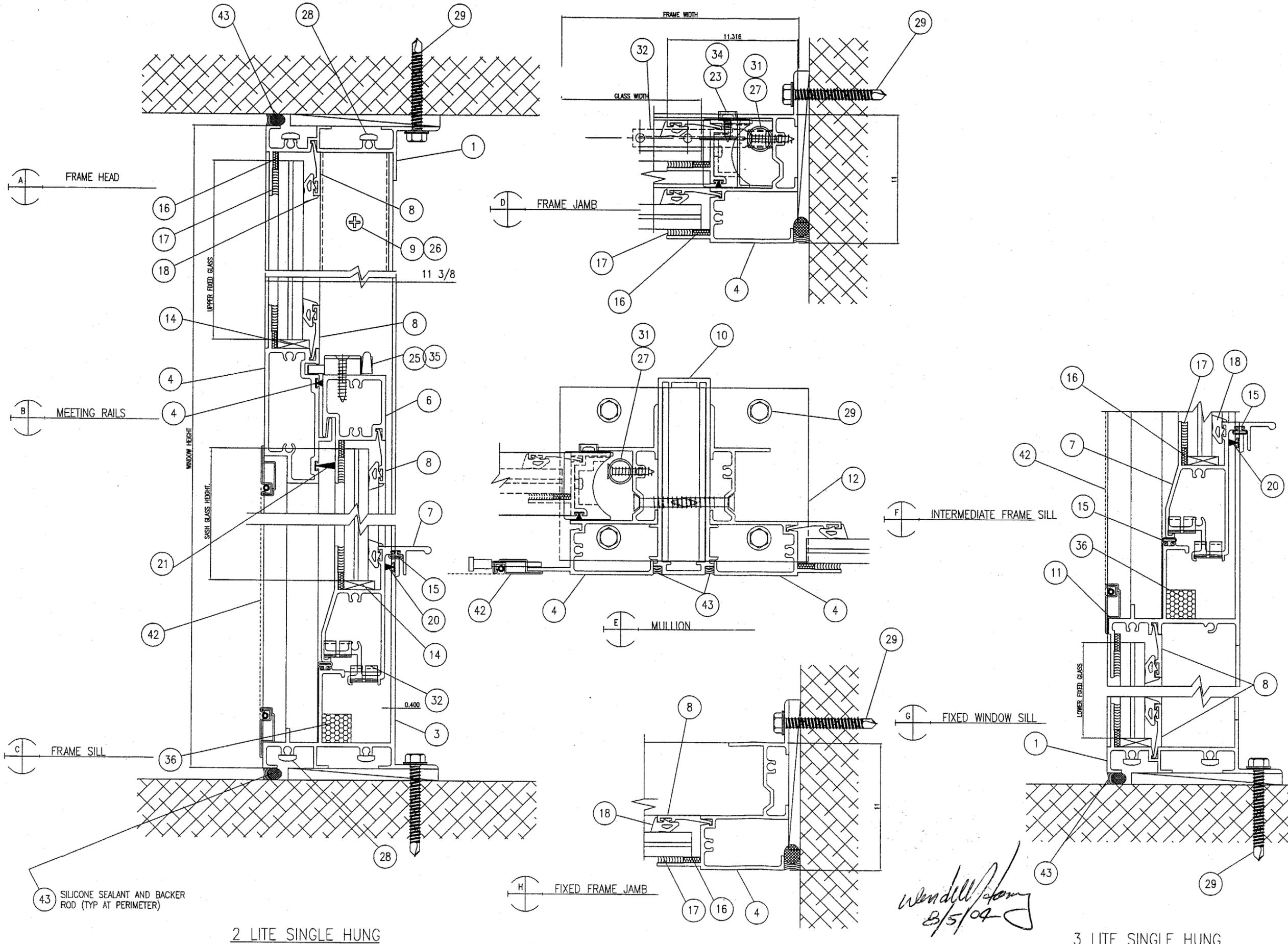
SINGLE HUNG

Approved as complying with the
Florida Building Code
Date: 09/02/04
NOA# 04-0706-01
Miami Dade Product Control
Division
By: [Signature]

ITEM: NOTES & ELEVATIONS
FILE#: SH-LMI

SHEET#: 1 OF 6

\\RMB\SRV\RWBC072904\ACTIVE PROJECTS\PF44\SH-LMI_I.WD-I-LITE\SH-LMI_L1.DWG



2 LITE SINGLE HUNG

3 LITE SINGLE HUNG

SUN METALS



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

Scale: HWJF	Rev. #	Rev. Date
Date: 6/11/03	1	7-5-04
Drawn: JFU	WVH	Rev. Elevations
Checked: ECV	1	Rev. Rev. By
		Revision Notes

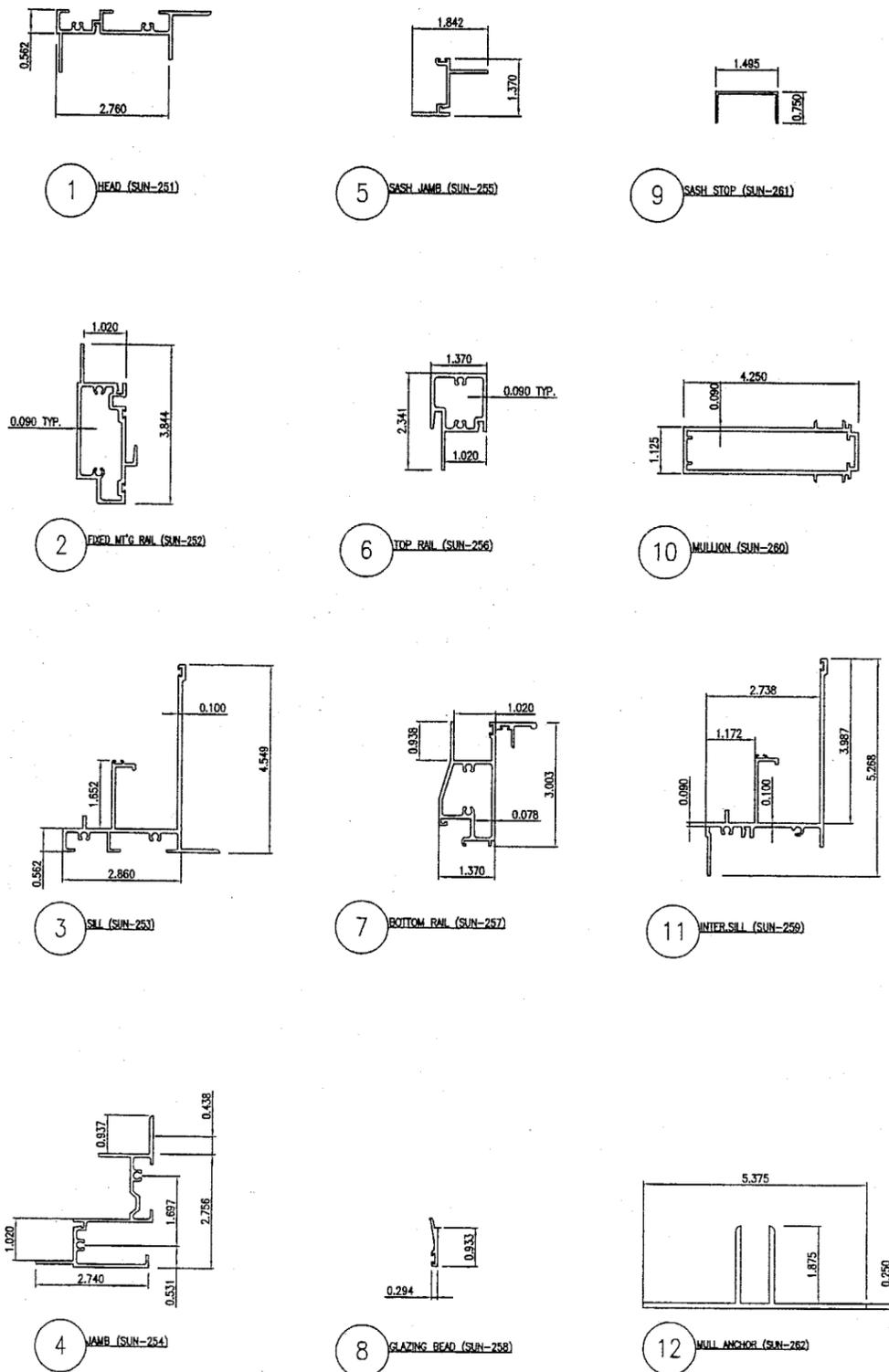
TAS 201-203 LARGE MISSILE	SINGLE HUNG
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Approved as complying with the
Florida Building Code
Date 09/02/04
NOA# 04-0706.01
Miami Dade Product Control
Division
By *[Signature]*

ITEM: SECTION DETAILS
FILE#: SH-LMI

\\RWBCSRV\RWBC072904\ACTIVE PROJECTS\PF44\SH-LMI\WO I-LITE\SH-LMI.RI.DWG

ALUMINUM EXTRUSIONS



Bill of Materials				
Item#	Part#	Description	Material	Manufacturer/Supplier/Comments
1	SUN-251	FRAME HEAD	6063-T6	
2	SUN-252	FIXED MEETING RAIL	6063-T6	
3	SUN-253	FRAME SILL	6063-T6	
4	SUN-254	FRAME JAMB	6005-T5	
5	SUN-255	SASH JAMB	6063-T6	
6	SUN-256	SASH TOP RAIL	6063-T6	
7	SUN-257	SASH BOTTOM RAIL	6063-T6	
8	SUN-258	GLAZING BEAD	6063-T6	
9	SUN-261	SASH STOP	6063-T6	
10	SUN-260	MULLION	6063-T6	
11	SUN-259	INTERMEDIATE FRAME SILL	6063-T6	
12	SUN-262	MULLION ANCHOR	6063-T6	
13	-	-	-	
14	-	SETTING BLOCK 3/16" X 3/4" X 2" LONG	PVC/EPDM	
15	-	EXTRUDED 60 DURO. EPDM BULB GASKET	EPDM	TREMCO (OR EQUAL)
16	-	EXTERIOR GLAZING TAPE	-	TREMCO (OR EQUAL)
17	-	STRUCTURAL SILICONE	SILICONE	TREMCO SPECTRUM II (OR EQUAL)
18	-	EXTRUDED 70 DURO. EPDM WEDGE GASKET	EPDM	TREMCO (OR EQUAL)
19	-	WEATHERSTRIPPING-.180H X .187W WITH FLUSH FIN	-	ULTRA FAB (OR EQUAL)
20	-	WEATHERSTRIPPING-.240H X .187W WITH FLUSH FIN	-	ULTRA FAB (OR EQUAL)
21	-	WEATHERSTRIPPING-.500H X .187W WITH FIN	-	ULTRA FAB (OR EQUAL)
22	-	-	-	
23	-	#8 X 1/2" SMS PPH T/AB - PAINTED HEAD	-	
24	-	#8 X 3/4" SMS PPH T/AB	-	
25	-	#8 X 1" SMS PFH TEK#2 - PAINTED HEAD	-	
26	-	#8 X 1 1/4" SMS PPH TEK#2 - PAINTED HEAD	-	
27	-	#8 X 1 1/4" SMS PFH T/AB	-	
28	-	#10 X 1 1/4" SMS PPH T/AB	-	
29	-	ANCHOR ----- SEE ANCHOR SCHEDULE	-	
30	-	-	-	
31	-	SPIRAL BALANCE	-	CALDWELL MFG. (OR EQUAL)
32	-	BALANCE BRACKET	-	CALDWELL MFG. (OR EQUAL)
33	-	BALANCE GUIDE	NYLON 6	M & M PLASTICS (OR EQUAL)
34	-	SASH GUIDE	NYLON 6	M & M PLASTICS (OR EQUAL)
35	-	SASH WEDGE LOCK	ZAMAK #3	DECO MFG. (OR EQUAL)
36	-	WEEP BAFFLE-20/30 PPI - 5/8" SQ. X 2" LG. W/PSA	FOAM	
37	-	SEAM SEALER	-	SCHNEE MOREHEAD SM5504 (OR EQ)
38	-	-	-	
39	-	UPPER FIXED GLASS	-	
40	-	SASH GLASS	-	
41	-	LOWER FIXED GLASS	-	
42	-	SCREEN	-	
43	-	PERIMETER SEALANT	-	TREMCO (OR EQUAL)

GASKETS



Wendell Henry
8/5/04

SUN METALS

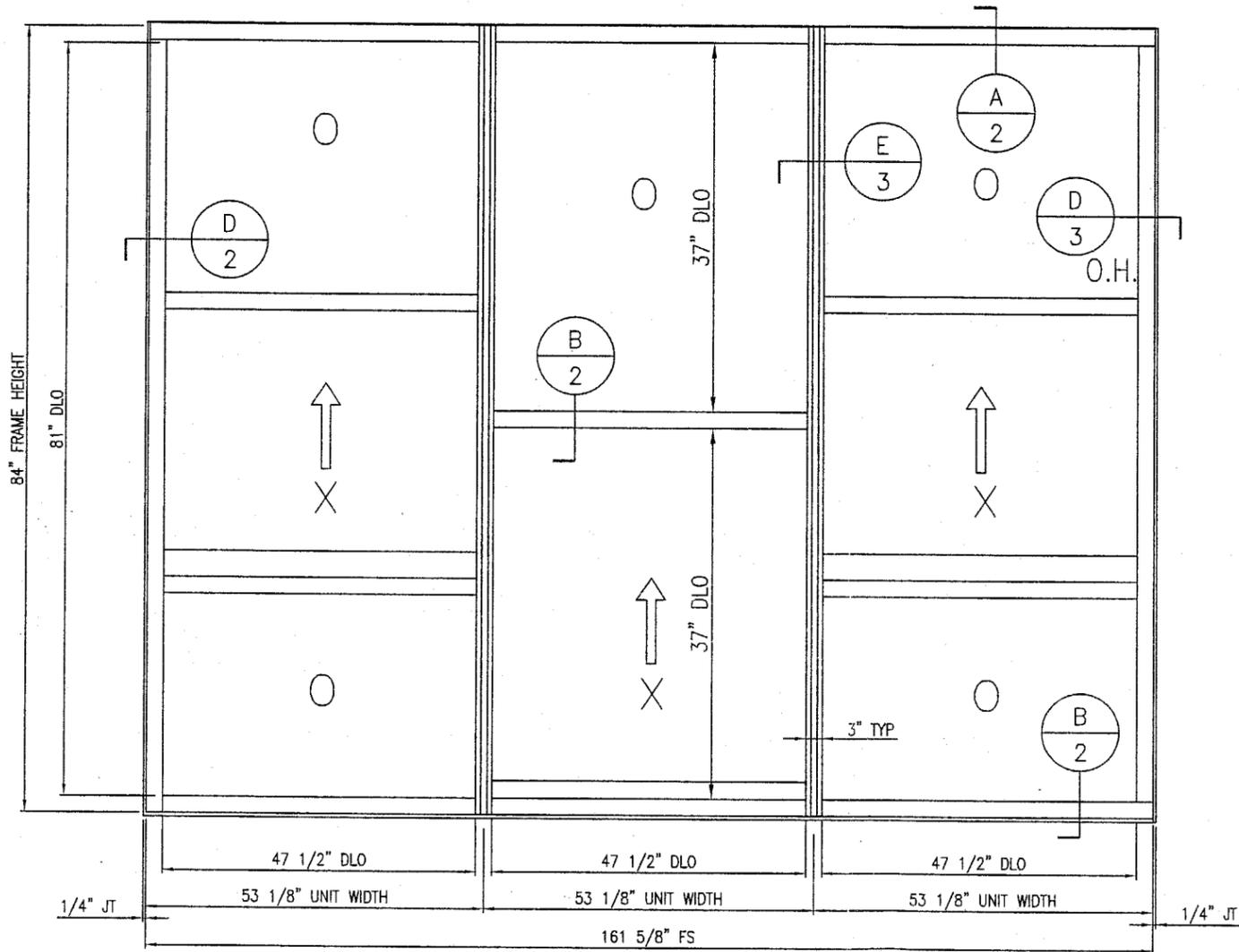
5140 W. CLIFTON STREET
TAMPA, FLORIDA 33634
(813) 886-0666
(813) 881-0812 (Fax)

Scale: NTS	Rev. Elevations	7-5-04
Date: 6/11/03	Rev. By	
Drawn: JFU	Rev. #	
Checked: ECY	Rev. Notes	

TAS 201-203
LARGE MISSILE
SINGLE HUNG

Approved as complying with the
Florida Building Code
Date 09/02/04
NOA# 04-0706.01
Miami Date Product Control
Division
By *[Signature]*

\\RMB\SPV\RWBC07200\ACTIVE PROJECTS\PF4\ISH-LMI_L\W01-LITE\SH-LMI_L\RI.DWG



MULTIPLE WINDOW ELEVATION

Wendell
8/5/04



SERIES '275' SINGLE HUNG

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

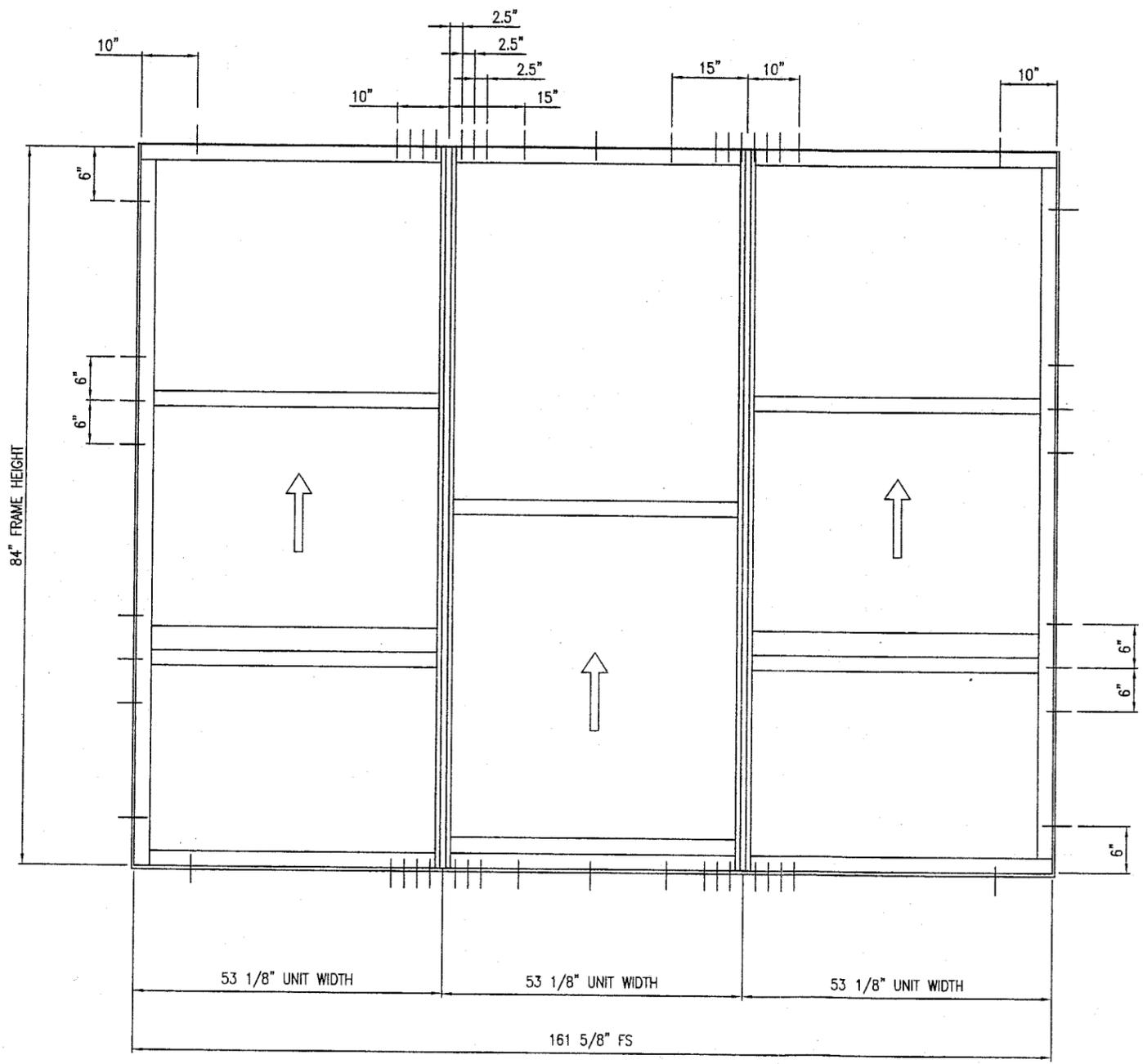
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	#	Rev. By	Revision Notes
			7-5-04
			Rev. Date

TAS 201-203
LARGE MISSILE
SINGLE HUNG

Approved as complying with the
Florida Building Code
Date 09/02/04
NOAH 04-0306-01
Miami Dade Product Control
Division
By *[Signature]*

ITEM: MULTI-WINDOW ELEV
FILE#: SH-LMI

\\RMB\SRV\RMBC072904\ACTIVE PROJECTS\PE44\SH-LMI_I WO I-LITE\SH-LMI_RI.DWG



APPROVED ANCHORS
 1/4" SHEET METAL SCREWS
 #24g WOOD SCREWS
 5/16" TAPCON

Wendell King
 8/5/04

SUN METALS
SERIES '275' SINGLE HUNG

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

Scale: H/LF	Rev. #	Rev. Date
Date: 6/11/03		
Drawn: JFU		
Checked: ECV	1	WWH Rev. Elevations
		Rev. By
		Revision Notes
		7-5-04
		Rev. Date

TAS 201-203
 LARGE MISSILE

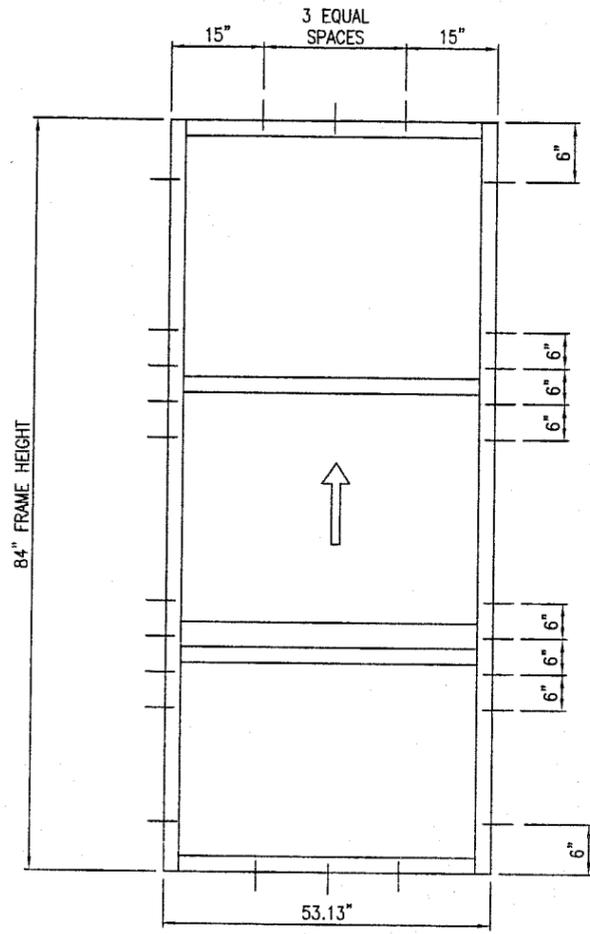
SINGLE HUNG

Approved as complying with the
 Florida Building Code
 Date 09/02/04
 NOA# 04-0706-01
 Miami Dade Product Control
 Division
 By *Michael J. Dool*

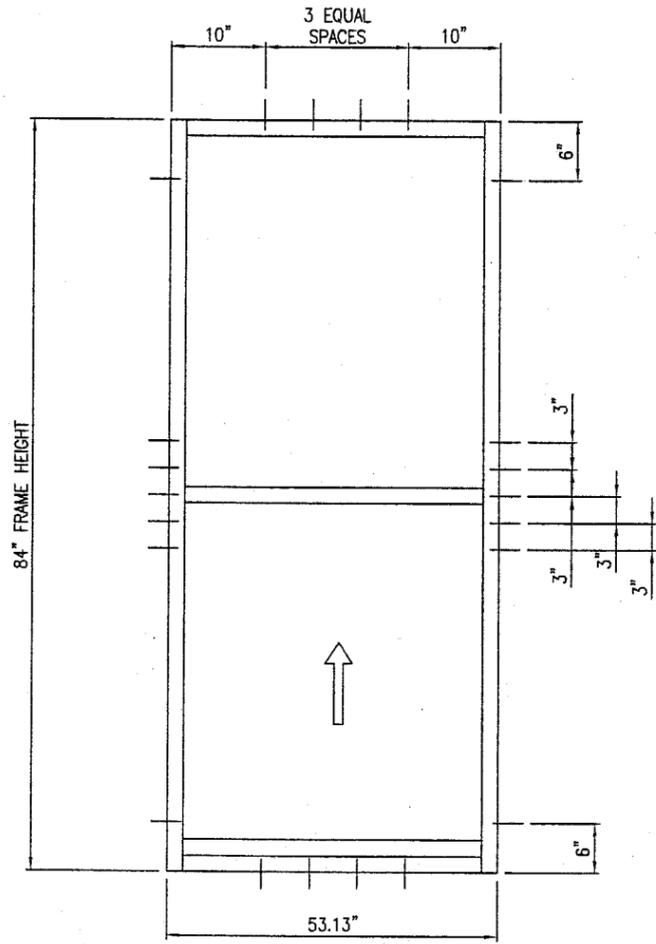
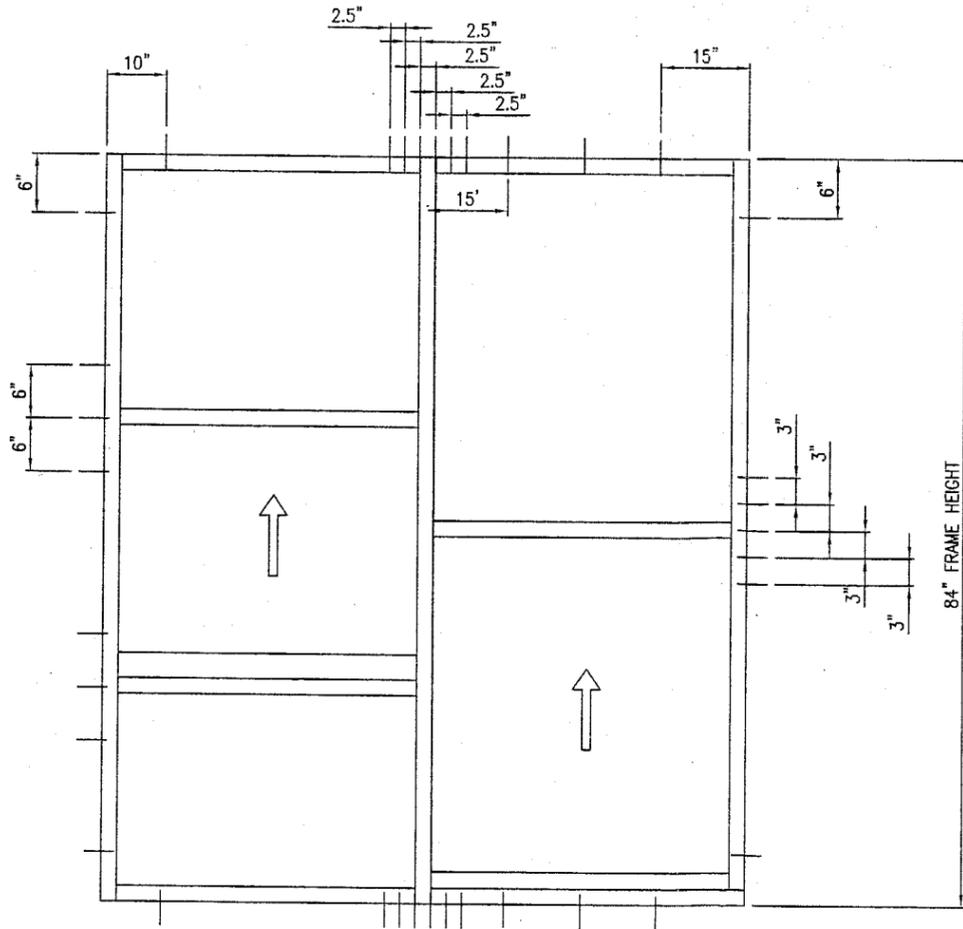
ITEM: ANCHORING
 FILE#: SH-LMI

SHEET#: 5 OF 6

\\RWBGSRV\RWB072904\ACTIVE PROJECTS\FF44\SH-LMI\WO L-CITE\SH-LMI_RI.DWG



APPROVED ANCHORS
 1/4" SHEET METAL SCREWS
 #24g WOOD SCREWS
 5/16" TAPCON



Wendell Spivey
 8/5/04



SERIES '275' SINGLE HUNG

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

TAS 201-203 LARGE MISSILE	Scale: H/LF	Rev. Elevations
	Date: 6/11/03	Rev. Date
SINGLE HUNG	Drawn: JFU	Rev. By
	Checked: ECV	Rev. #
		7-5-04
		Rev. Date

Approved as complying with the
 Florida Building Code
 Date 09/02/04
 NOA# 02-0306-01
 Miami Dade Product Control
 Division
 By *Michael J. Dooly*

ITEM: ANCHORING
 FILE#: SH-LMI