



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

www.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, FL 33010

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 104 Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. MWS-104.0, titled "Series 104 Single Hung – Large Missile Impact Aluminum Window", sheets 1 through 4 of 4, dated 08/02/06, prepared by Xcel Engineering, Corp., signed and sealed by Sifang Zhao, 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 # 01-0212.02 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 06-0921.01
Expiration Date: September 13, 2011
Approval Date: March 22, 2007
Page 1

Miami Wall Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **MWS-104.0**, Sheets 1 through 4 of 4, titled "Series 104 Single Hung – Large Missile Impact Aluminum Window", dated 08/02/06, prepared by Xcel Engineering, Corp., signed and sealed by Sifang Zhao, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2838**, dated December 7, 2000, signed and sealed by Antonio Acevedo, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Xcel Engineering Corp., dated 08/08/06, signed and sealed by Sifang Zhao, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

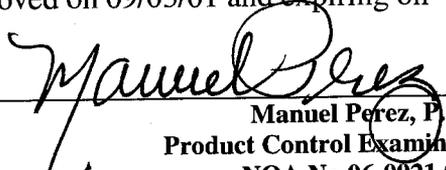
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**Sentry Glass (R) Plus**" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their "**Saflex HP a polyvinyl butryal interlayer for lamination of glass**" dated 05/22/03, expiring on 04/14/08.

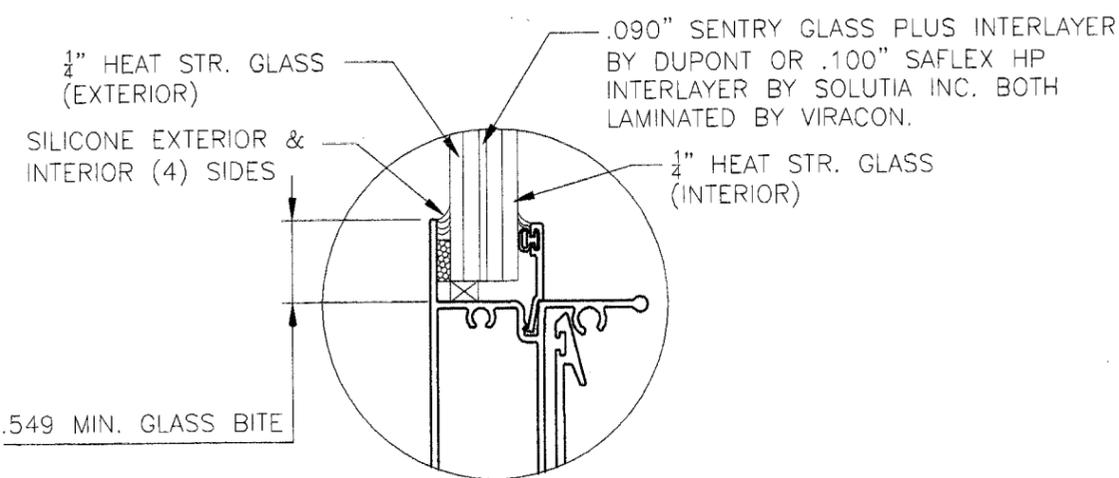
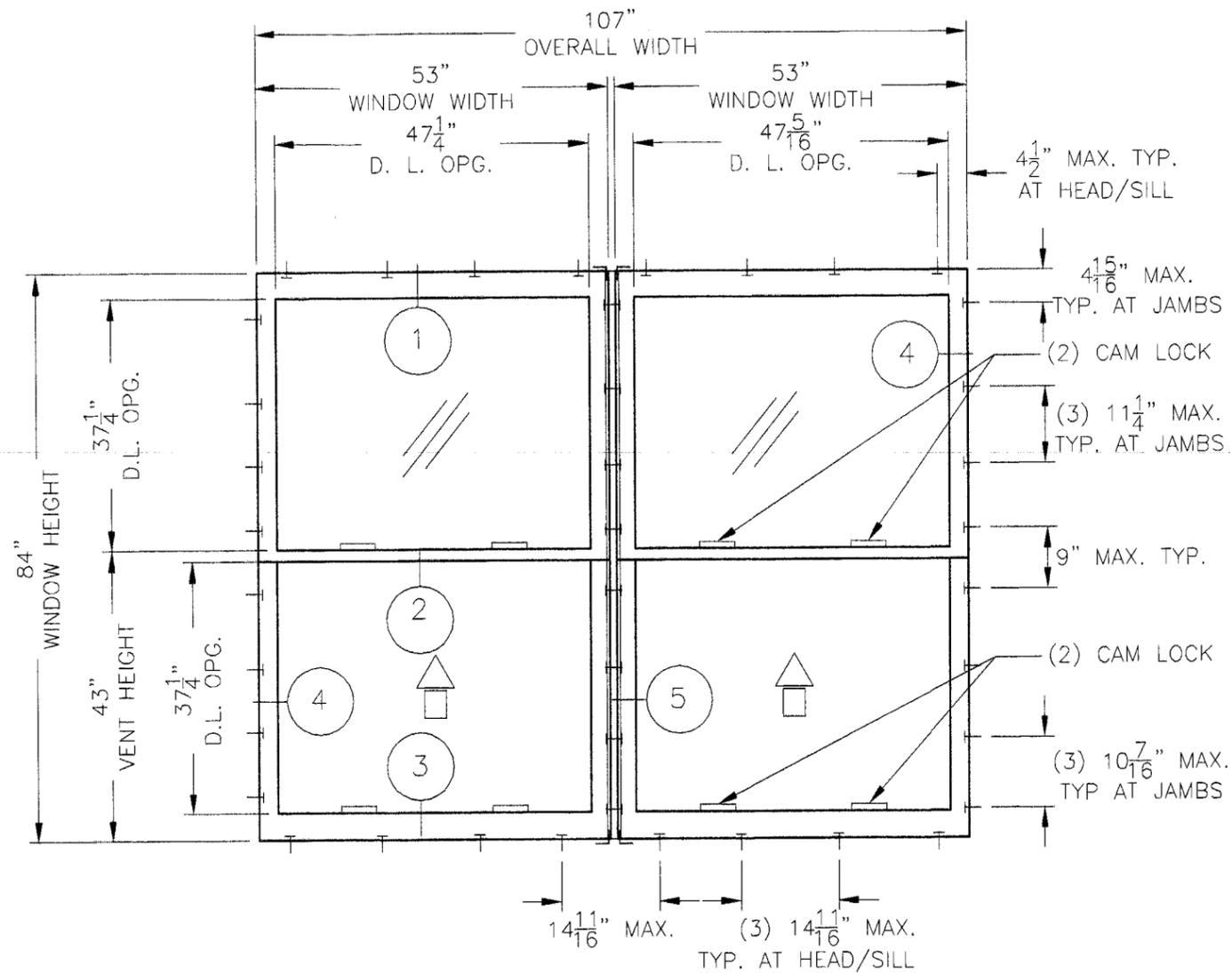
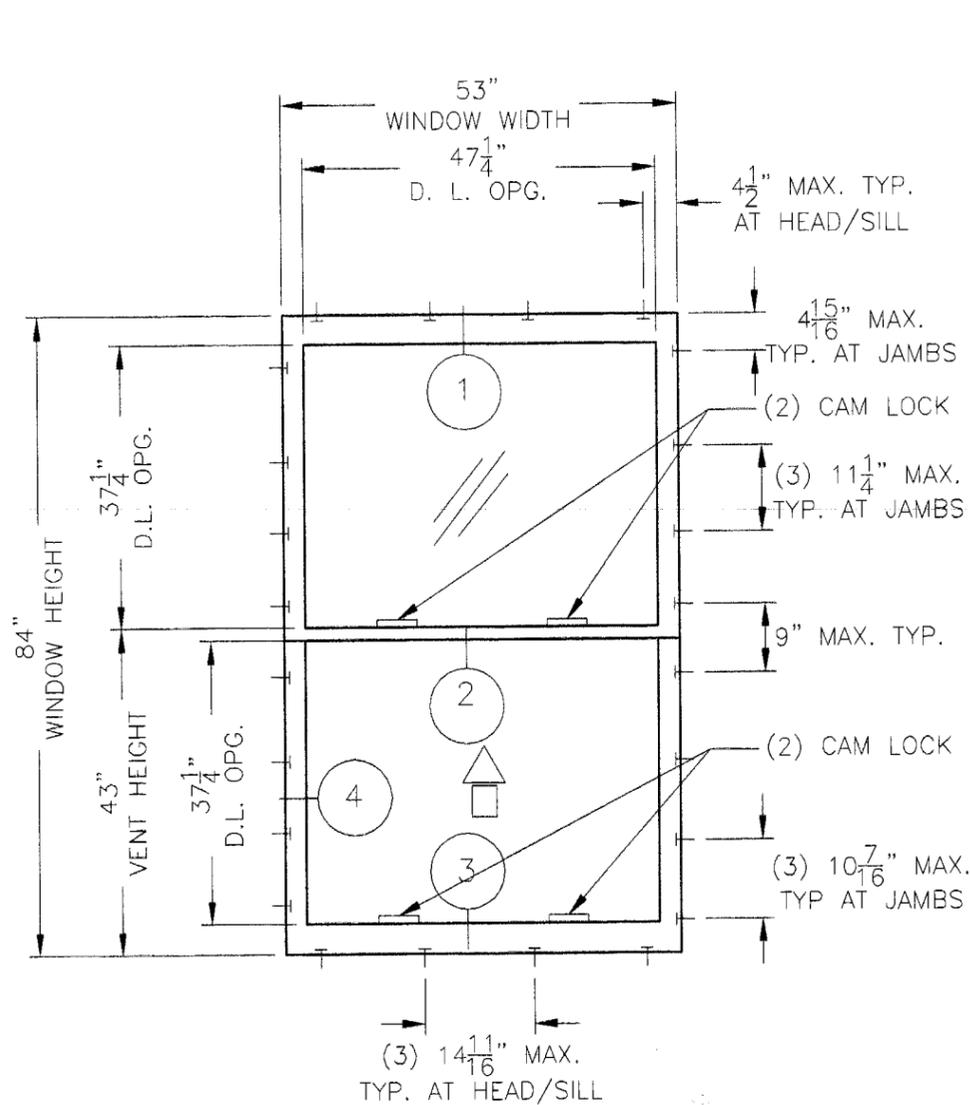
F. STATEMENTS

1. Statement letter of conformance, dated September 11, 2006, signed and sealed by Sifang Zhao, P.E.

G. OTHER

1. Notice of Acceptance No. **01-0212.02**, issued to Miami Wall System, Inc. for their Series 104 Aluminum Single Hung Window, approved on 09/03/01 and expiring on 09/13/06.


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0921.01
Expiration Date: September 13, 2011
Approval Date: March 22, 2007



9/16" OVERALL LAMINATED
GLAZING DETAIL
LARGE MISSILE

MIAMI WALL SYSTEMS INC.

WINDOW: SERIES 104 SINGLE HUNG
TEST REP. FTL #2838
DESIGN LOADS: +90.0 psf.
-100.0 psf.
AIR INFILTRATION AT 1.57 psf: 0.21 cfm/ft.
WATER INFILTRATION: 13.5 psf.

GLASS TYPES

- A 1/4" CLEAR HEAT STR-EXTERIOR
0.090" SENTRY GLASS PLUS-INTERLAYER
1/4" CLEAR HEAT STR-INTERIOR
- B 1/4" CLEAR HEAT STR-EXTERIOR
0.100" SAFEFLEX HP-INTERLAYER
1/4" CLEAR HEAT STR-INTERIOR

XCEL ENGINEERING CORP.
7785 NW 56 Street.
Miami, FL 33166
(305) 772 5023
CAN (EB) 9324

Signature
AUG 08 2006
Sifang Zhao, Fla PE# 50685

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0921.01
Expiration Date, SEPT. 13, 2011
By *Signature*
Miami Dade Product Control
Division

Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, Florida, 33010
Phone: (305) 888-2300 Fax: (305) 888-3058

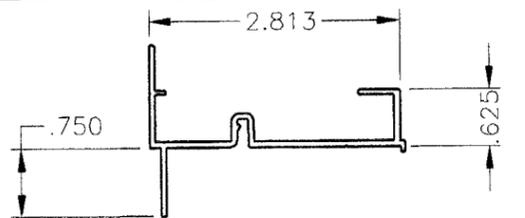
SERIES 104 SINGLE HUNG
LARGE MISSILE IMPACT
ALUMINUM WINDOW

no.	date	by	description

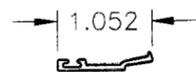
date: 08/02/06
scale: 1/8" = 1"
design by: *Signature*
drawn by: J.V.
checked by: *Signature*

drawing no.
MWS-104.0

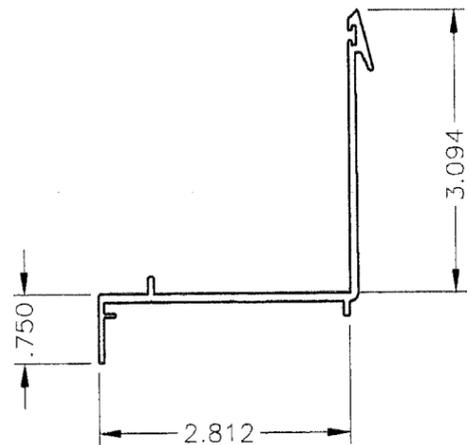
sheet 1 of 4



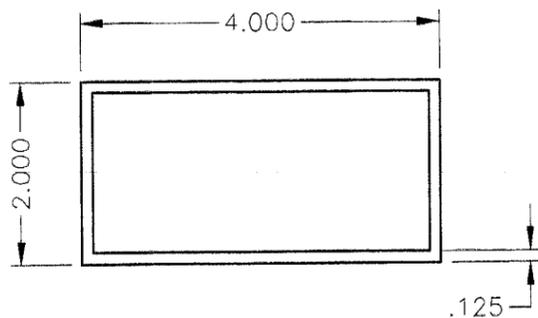
FRAME HEAD, DIE# 104-004
MATERIAL: ALUMINUM ALLOY 6063-T6



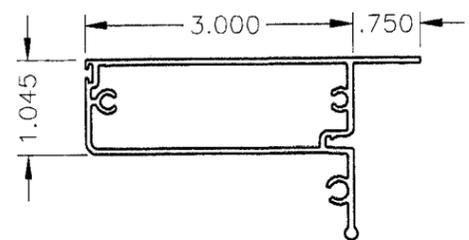
GLAZING BEAD, DIE# 104-010
MATERIAL: ALUMINUM ALLOY 6063-T6



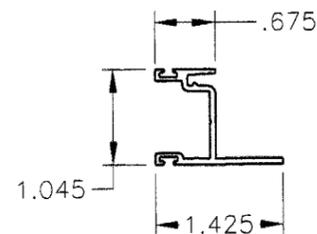
FRAME SILL, DIE# 104-005
MATERIAL: ALUMINUM ALLOY 6063-T6



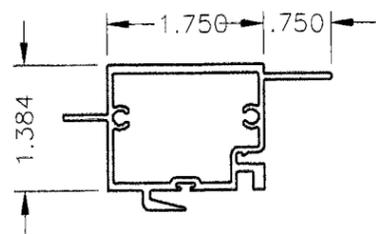
2" x 4" x 1/8" THK. TUBE
MATERIAL: ALUMINUM



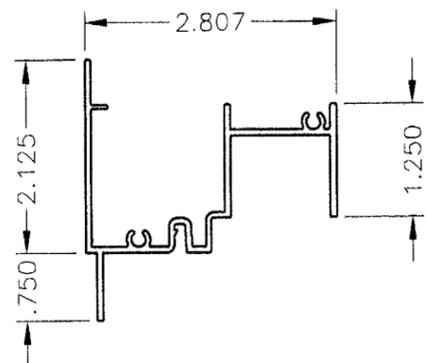
VENT BOTT. RAIL, DIE# 104-008
MATERIAL: ALUMINUM ALLOY 6063-T6



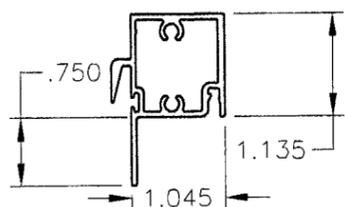
VENT JAMB, DIE# 104-002
MATERIAL: ALUMINUM ALLOY 6063-T6



FRAME MEETING RAIL, DIE# 104-006
MATERIAL: ALUMINUM ALLOY 6063-T6



FRAME JAMB, DIE# 104-001
MATERIAL: ALUMINUM ALLOY 6063-T6



VENT TOP RAIL, DIE# 104-007
MATERIAL: ALUMINUM ALLOY 6063-T6

ITEM NO.	PART NO.	REQ'D	PART NAME	REMARKS
1	104-004	1	FRAME HEAD	FRAME
2	104-005	1	FRAME SILL	FRAME
3	104-001	2	FRAME JAMB	FRAME
4	104-006	1	FRAME MEETING RAIL	FRAME
5	104-007	1	VENT TOP RAIL	MOV. SASH
6	104-008	1	VENT BOTTOM RAIL	MOV. SASH
7	104-002	2	VENT JAMB	MOV. SASH
8	104-010	2	GLAZING BEAD 5/8" GLASS, VERT.	FRAME/MOV. SASH
9	104-010	2	GLAZING BEAD 5/8" GLASS, HOR.	FRAME/MOV. SASH
10	672213	2	'DECO' SWEEP LOCK	(2) @ VENT TOP RAIL
11		2	VNT STOP, AL TUBE 1x1x.062"x3" LG.	FRAME JAMBS
12		(2) PER WDW	9/16" LAMINATED GLASS	SEE ELEVATIONS
13	600 VS	1"LG (3)/LGTH	VINYL BULB, D.S. BROWN	GLAZING BEAD, SPACER
14	WV-3171	SNG'L ROW	VINYL BULB, WIGBORG	FRAME SILL
15	.170"x.187"	SNG'L ROW	SCHLEGEL PILE W/ FINSEAL WSTPG.	FR.SILL, MTG RAIL, VNT. HEAD
16	.170"x.187"	DB'L ROW	SCHLEGEL PILE W/ FINSEAL WSTPG.	VENT JAMBS
17	EPDM	4	SET'G BLOCK, 3/16"x5/8"x4" LG.	@ 1/4 PTS
18	EPDM	+/- 24" C.O	1/8"x1/2"x4" LG. SPACER BLK'S	(4) SIDES GLASS, EXTERIOR
19		2	CLOSE CELL PAD, 1/2x3/8"	AT JAMB & MTG. RAIL FLG.
20		2	CLOSE CELL PAD, 1/2x1x1/8"	AT FR. JAMB BOT. CORNER
21	SL-14A-001	2	'CALDWELL' ULTRA-LIFT BALANCE	FRAME JAMBS
22	21B02-UEK	2	'CALDWELL' ULTRA-LIFT BRACKET S/S	(2) @ BOTTOM VENT RAIL
23		4	VENT FACE GUIDE, PLASTIC	(2) PER VENT JAMB
24	SILICONE	AS REQ'D	TREMCO SPECTRUM II	FRAME SEAL
25		8	#10x1 1/4" PH SMS	FRAME ASSY. SCREWS
26		8	#10x1 1/4" PH SMS	VENT ASSY. SCREWS
27		4	#10x1 1/2" PH SMS	VENT STOP/BALANCE
28		4	#8x3/8" PH SMS	VENT FACE GUIDE
29		1	1x1x1/8" ST'L TUBE	FX'D MEETING RAIL
30	GE 4000	AS REQ'D	SILICONE SEALANT	GLAZING, FRAME CORNERS
31	2x2x1/8x2 5/8" LG.	4	ALUM. ANGLE MULL, ANCHOR	(2) EACH TOP & BOTTOM
32	2x4x1/8 TUBE	1	ALUM. TUBE MULLION	FULL HEIGHT
33	104-009	2	BOTTOM RAIL SNAP LOCK SPRING	BOTT. RAIL/MOV. SASH
34		2	SNAP LOCK SPRING	FRAME SILL
35		4	#8-32x1/2" PH SMS	SWEEP LATCH
36		4	#8x1/2" PH SMS	ULTRA-BRACKET
37		16	#14x1" PH SMS	MULLION ANCHOR
38	NEOPRENE	+/- 24" C.O	.220" DIAM x4" LG. SPACERS	(4) SIDES GLASS, EXTERIOR
39		4	2"x4" PT. WOOD BUCK	(4) SIDES TEST FRAME

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Checked: *[Signature]*

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SERIES 104 SINGLE HUNG
LARGE MISSILE IMPACT
ALUMINUM WINDOW

REVISIONS:	no.	date	by	description

date: 08/02/06
scale: HALF
design by:
drawn by: J.V.
checked by:
drawing no.
MWS-104.0
sheet 4 of 4