



**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)**

Glasswall, LLC  
 3550 NW 49<sup>th</sup> Street  
 Miami, FL 33142

**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 106 Aluminum Horizontal Rolling Window- L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **Rolling-106 L**, titled "Series No. 106 Rolling Glass Window Large Missile" Sheets 1 through 5 of 5, dated 07/07/04 with revision #1 dated 09/09/04, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, 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 04-0714.02  
 Expiration Date: September 30, 2009  
 Approval Date: September 30, 2004

Glasswall, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **Rolling-106 L**, titled "Series No. 106 Rolling Glass Window Large Missile," Sheets 1 through 5 of 5, dated 07/07/04 with revision #1 dated 09/09/04, prepared by manufacturer, signed and sealed by Kelvyn Whitfield, 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 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of aluminum horizontal rolling window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4241**, dated 06/11/04, signed & sealed by Edumundo Largaespada, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Kelvyn A. Whitfield, P.E. Consulting Engineer, dated 07/07/04, signed and sealed by Kelvyn Whitfield, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

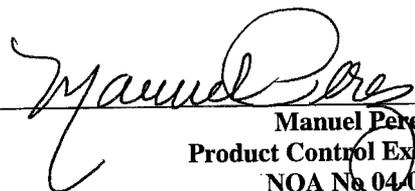
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry ® Plus" approved on 01/17/02 and expiring on 01/14/07.

**F. STATEMENTS**

1. Statement letter of conformance dated July 07, 2004 signed and sealed by Kelvyn Whitfield, P.E.
2. Statement letter of no financial interest dated July 07, 2004, signed and sealed by Kelvyn Whitfield, P.E.

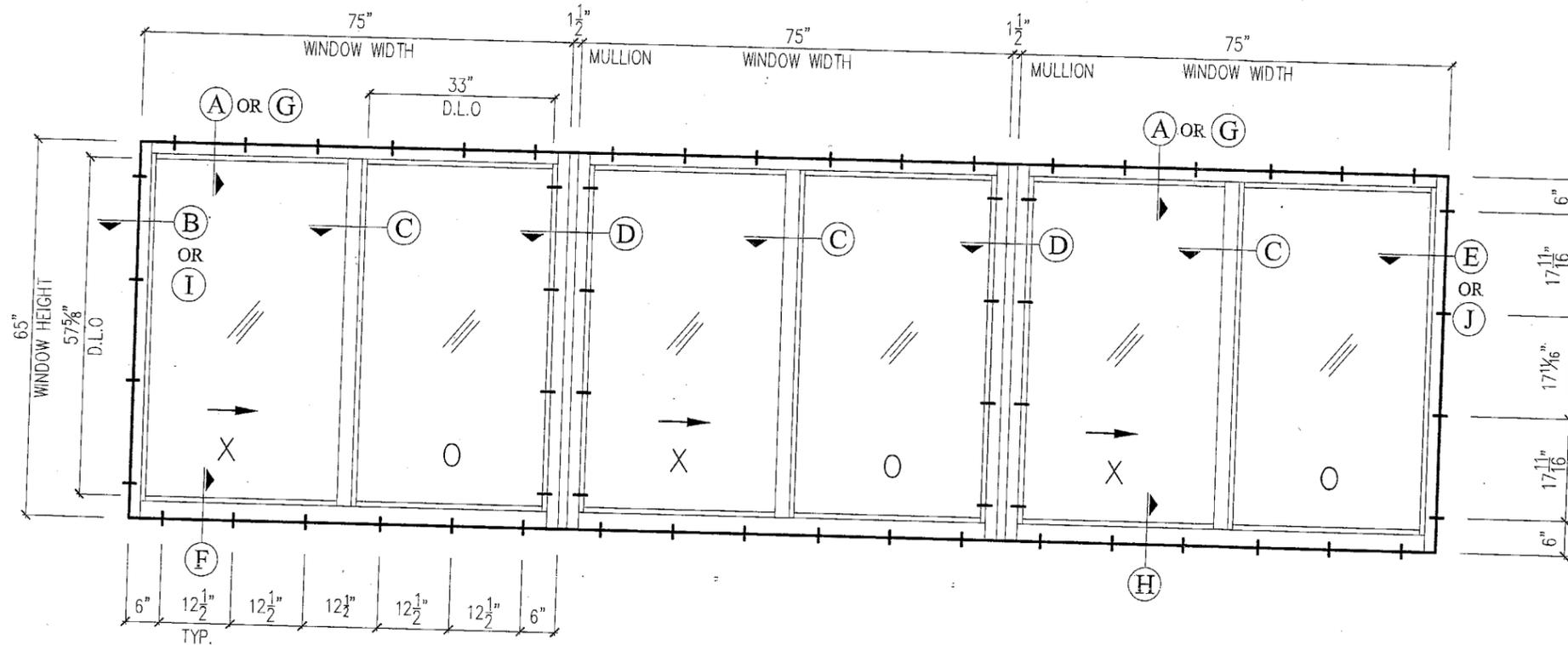
**G. OTHER**

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



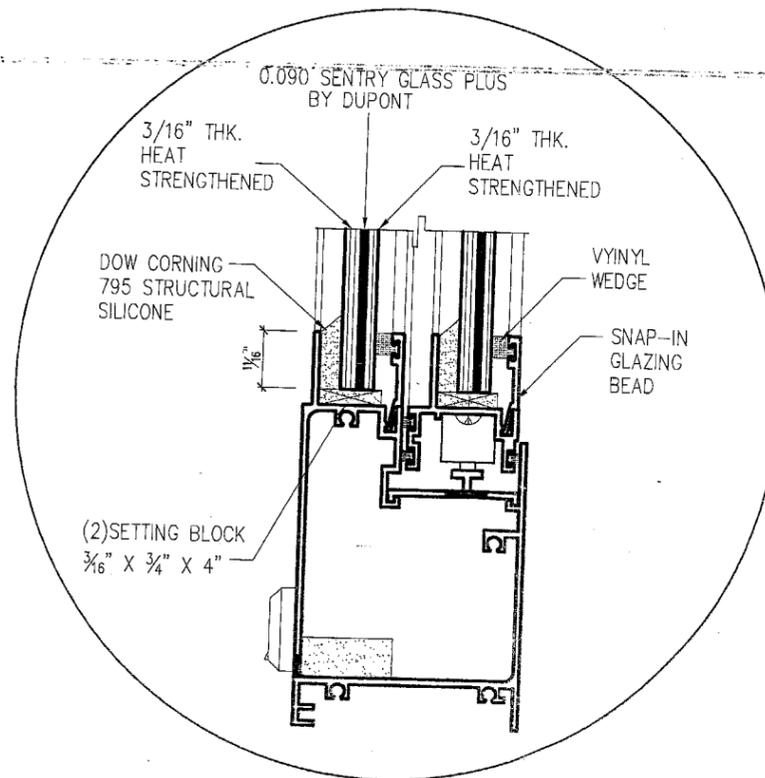
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 04-0714.02

Expiration Date: September 30, 2009  
Approval Date: September 30, 2004



WINDOWS ELEVATIONS  
EXTERIOR VIEW

| Design Load Capacity (P. S. F.) |          |
|---------------------------------|----------|
| Positive                        | Negative |
| 110                             | 110      |



LARGE MISSILE GLAZING DETAIL  
0.390 LAMINATED GLASS

SERIES No. 106 - ALUMINUM ROLLING WINDOW  
LARGE MISSILE IMPACT.

NOTES:

1. THIS WINDOW SYSTEM HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE.
2. ALL EXTRUSIONS ARE ALUMINUM, 6005-T5 ALLOY, WITH A MINIMUM Fy OF 35,000 P.S.I. U.O.N.
3. LARGE MISSILE IMPACT: INSTALLATION UP TO 30 FT ABOVE GRADE WILL NOT REQUIRE A HURRICANE PROTECTION SYSTEM.
4. ALL ANCHORS ARE 1/4" HILTI KWIK-CON II WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE FILLED BLOCK OR BETTER. CONCRETE COMPRESSIVE STRENGTH = 3,000 PSI.
5. SHIMS SHALL BE MADE FROM MATERIAL CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING THESE LOADS. REFERENCE FLORIDA BUILDING CODE SECTION USE 1707.4.4.2 AND 3.
6. BASED ON FTL REPORT # 4241 DATE 11 JUNE 2004.

Glasswall Llc.  
3550 NW 49th Street  
Miami, Florida 33142  
Tel +305-638-5151 - Fax +305-638-5158

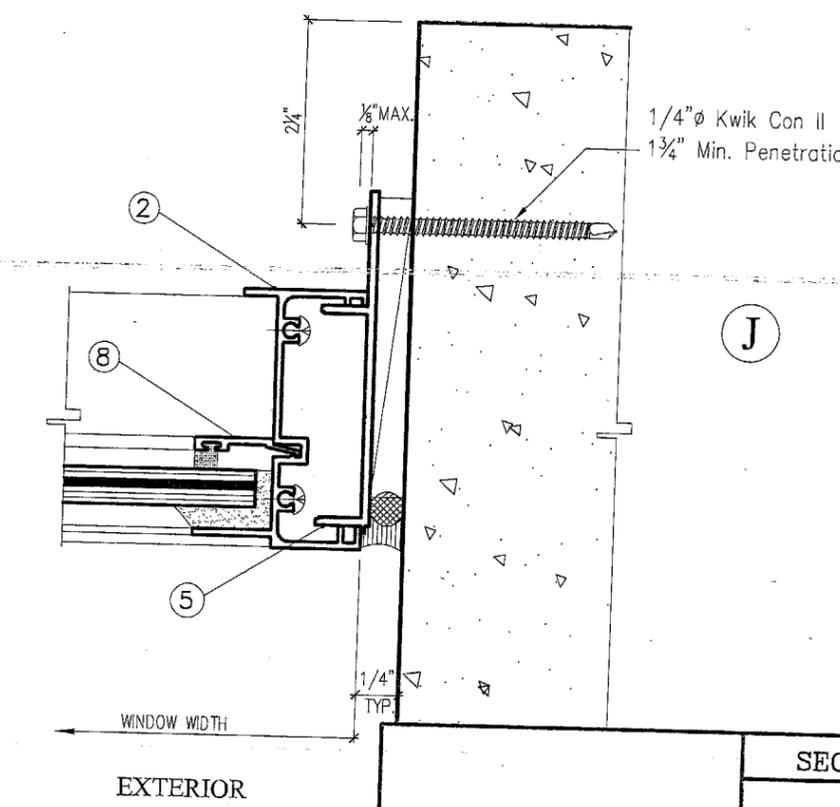
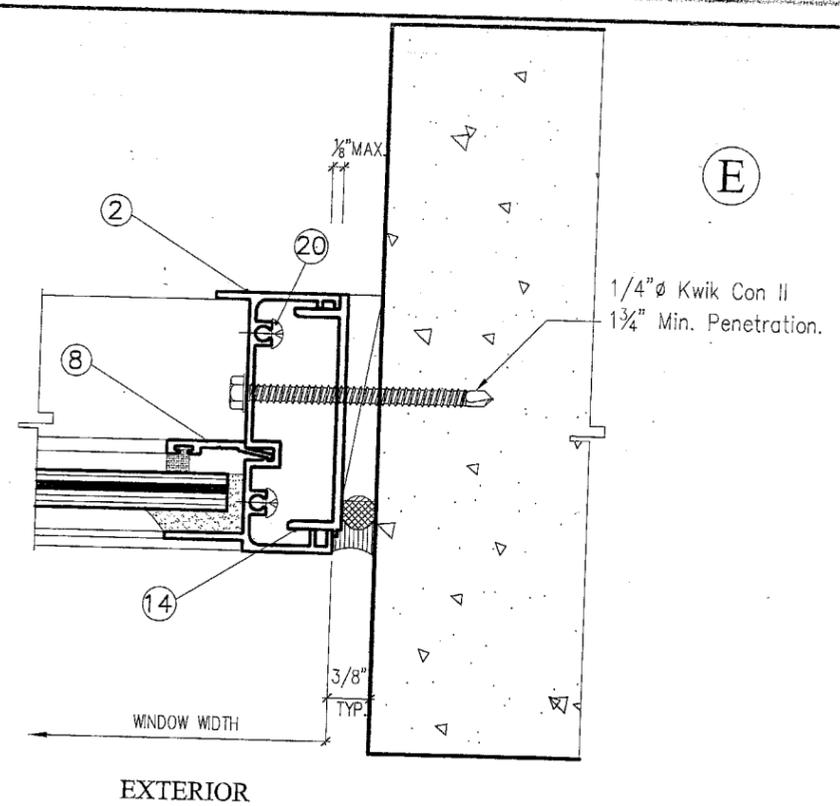
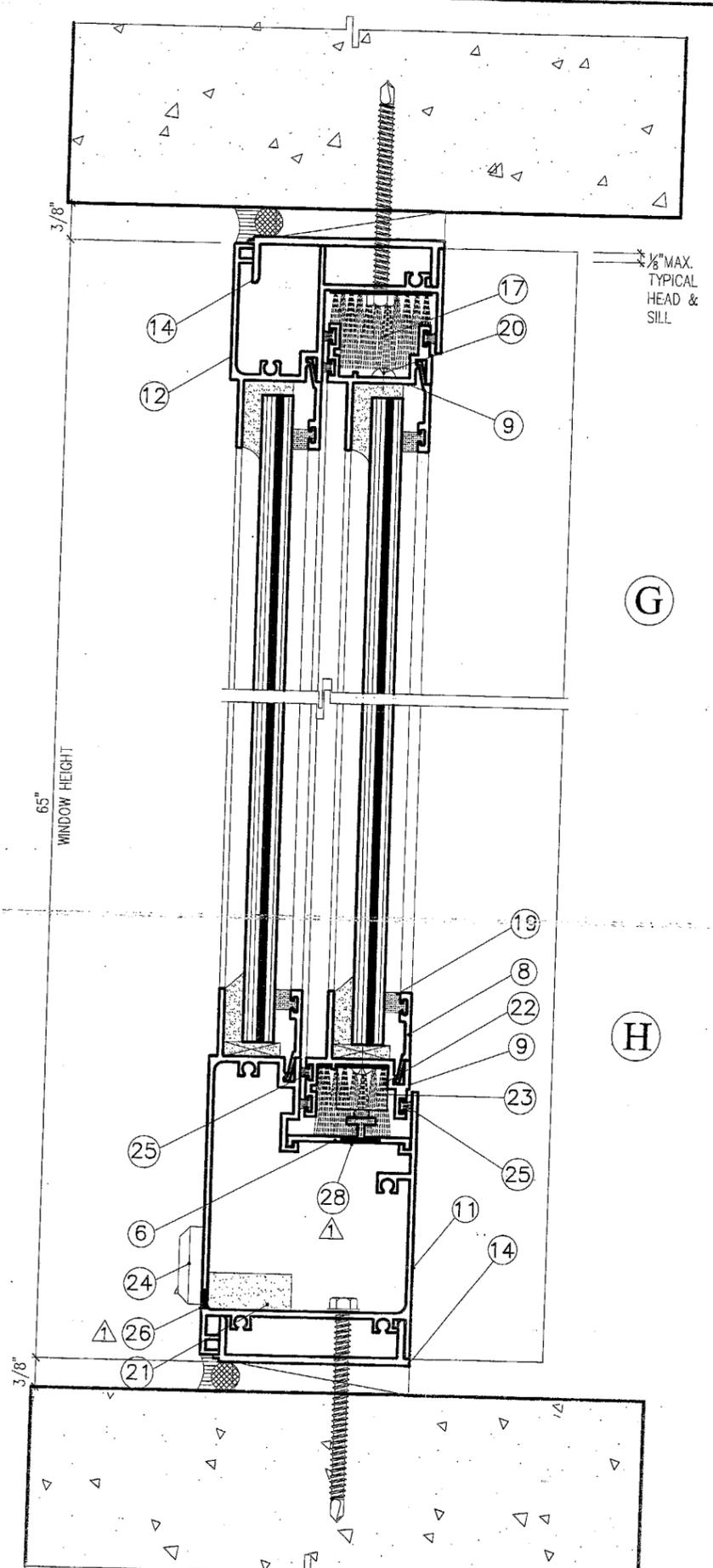
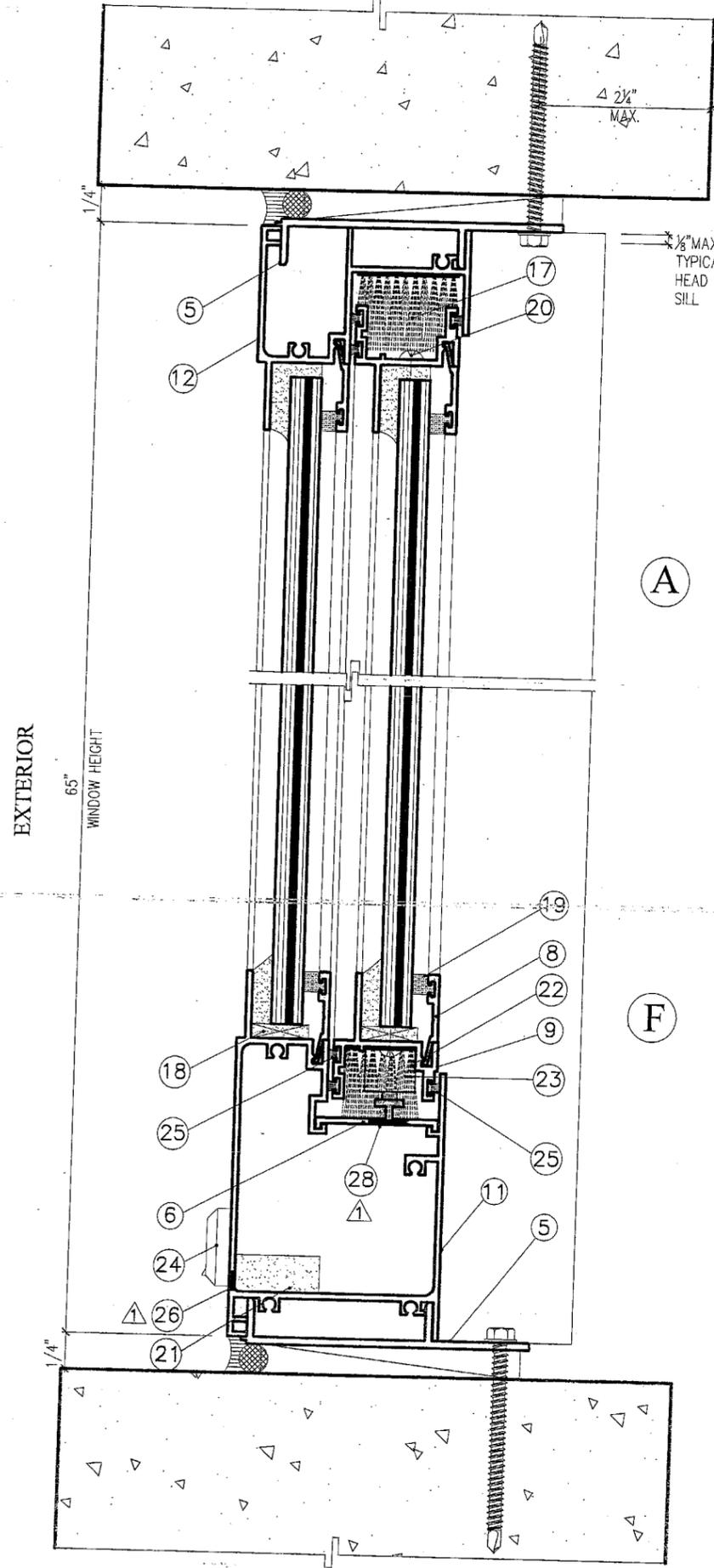
SERIES No. 106  
ALUMINUM ROLLING WINDOW  
LARGE MISSILE

| No | Date     | By | Description |          |
|----|----------|----|-------------|----------|
|    |          |    | General     | Revision |
| 1  | 09-09-04 |    |             |          |

|             |               |
|-------------|---------------|
| Date        | 07-07-04      |
| Scale       | As noted      |
| Design by   | G. S.         |
| Drawing by  | I. ORTA       |
| Checked by  | G. S.         |
| Drawing No. | ROLLING-106 L |
| Sheet       | 1 of 5        |

Approved as per  
Florida Building Code  
Date SEPT. 30, 2004  
NOA# 04-0714.02  
Miami Dade Product Control  
Division  
By Manuel Perez

ELEVATION SHEET  
*[Signature]*  
9/9/04  
KELVYN WHITFIELD P.E.  
FLORIDA NO. 24140  
1002 NE 116 STREET  
MIAMI, FL 33161-6744



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SERIES No. 106  
 ALUMINUM ROLLING WINDOW  
 LARGE MISSILE

| REVISION |          | By | Description      |
|----------|----------|----|------------------|
| No.      | Date     |    | General Revision |
| 1        | 09-09-04 |    |                  |

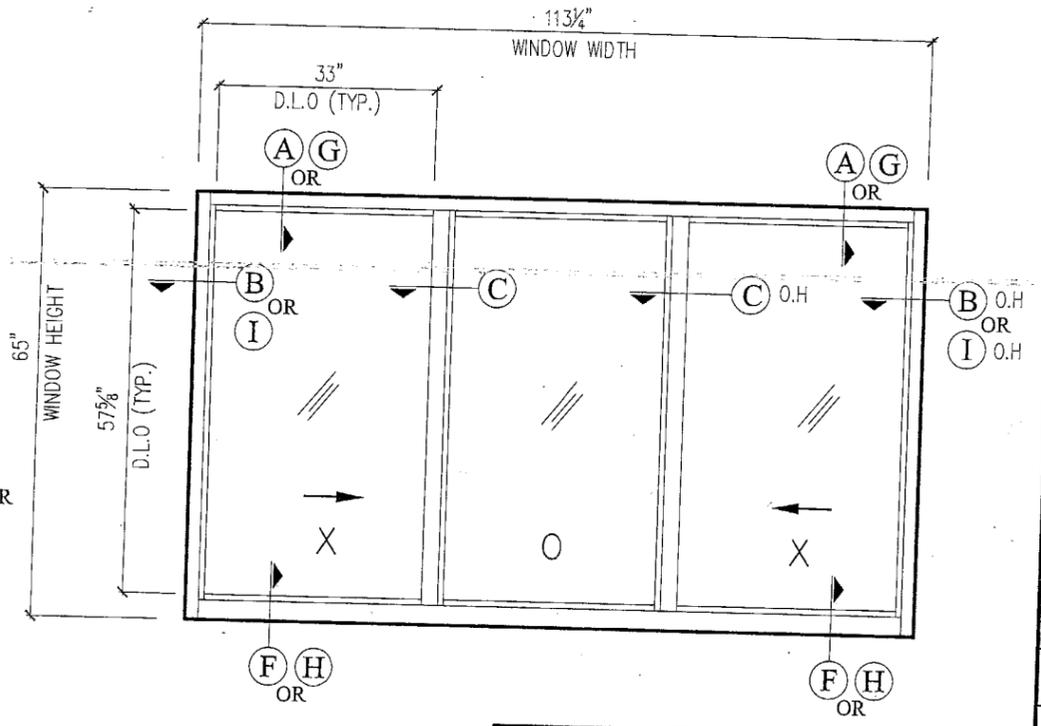
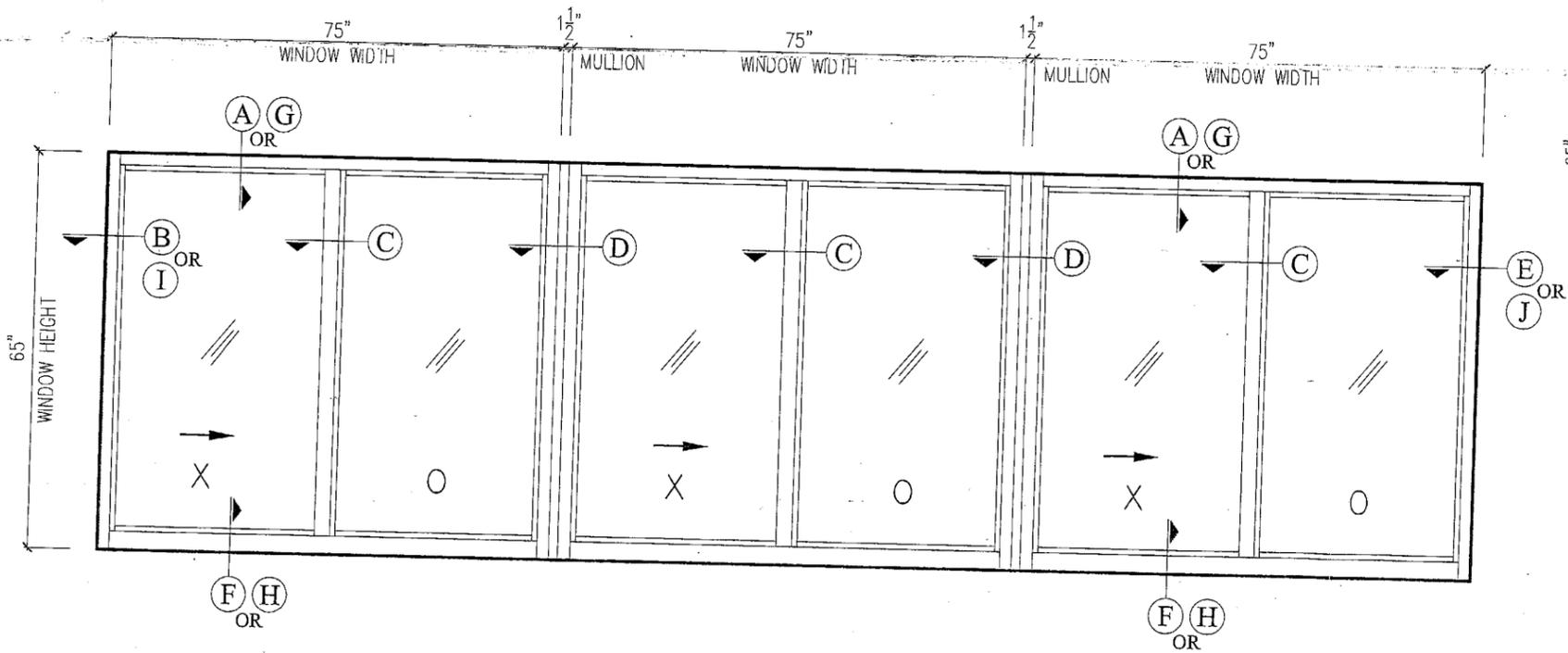
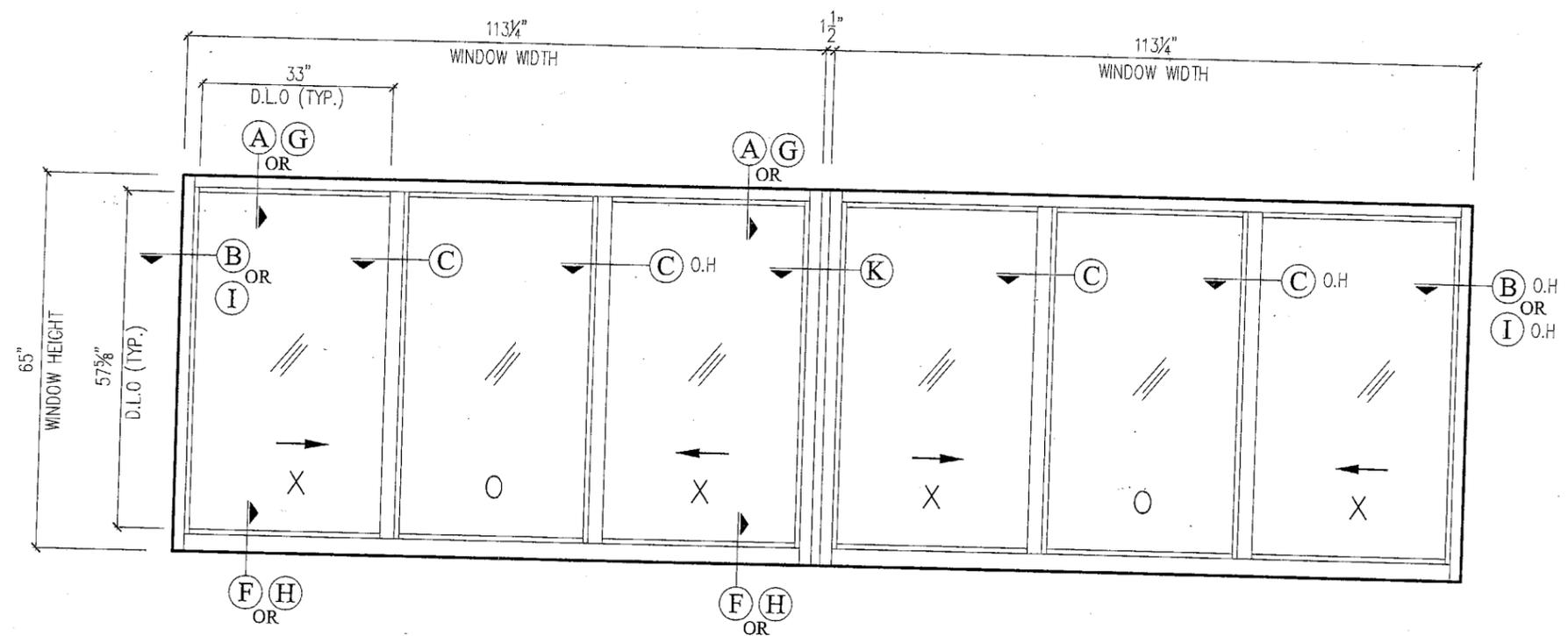
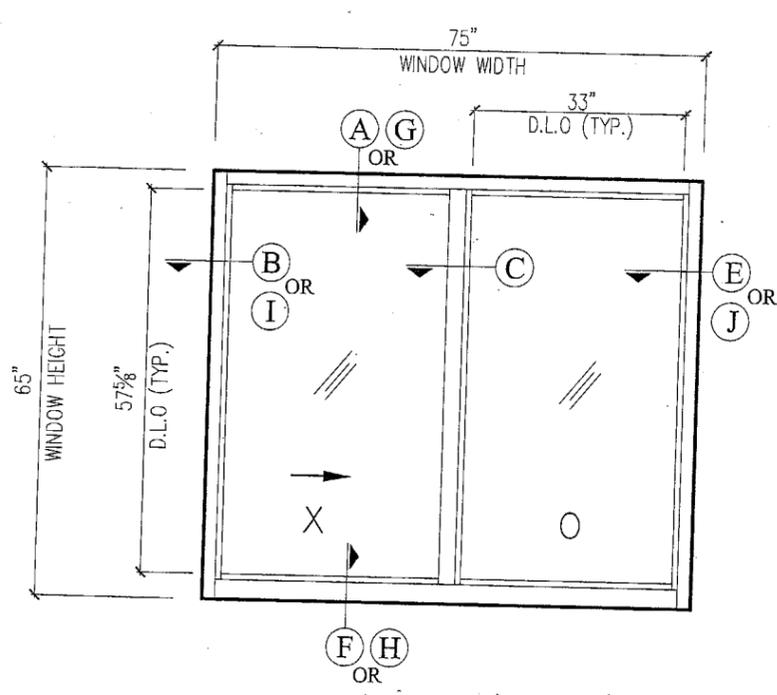
Date 07-07-04  
 Scale As noted  
 Design by G. S.  
 Drawing by L. ORTA  
 Checked by G. S.  
 Drawing No. ROLLING-106 L  
 Sheet 2 of 5

Approved as complying with the Florida Building Code  
 Date SEPT. 30, 2004  
 NOA# 04-0714-02  
 Miami Dade Product Control Division  
 By *Manuel Perez*

SECTION SHEET  
*Whitfield*  
 9/9/04  
 KELVYN WHITFIELD P.E.  
 FLORIDA NO. 24140  
 1002 NE 116 STREET  
 MIAMI, FL 33161-6744



**CONFIGURATIONS**  
EXTERIOR VIEW



**Glasswall LLC.**  
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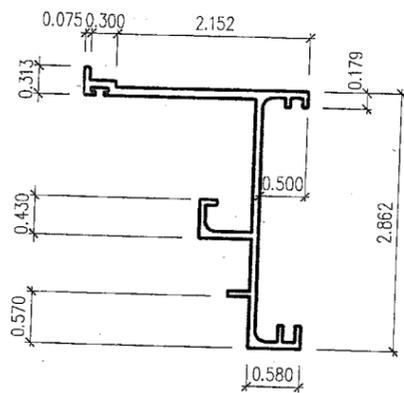
**SERIES No. 106**  
ALUMINUM ROLLING WINDOW  
LARGE MISSILE

| REVISION |          | Description |                  |
|----------|----------|-------------|------------------|
| No       | Date     | By          | General Revision |
| 1        | 09-09-04 |             |                  |

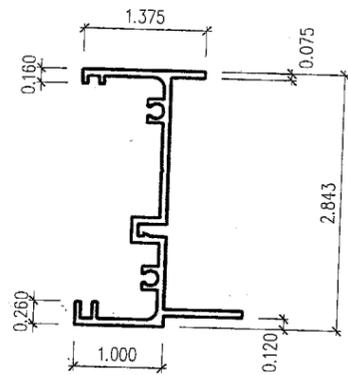
|             |               |
|-------------|---------------|
| Date        | 07-07-04      |
| Scale       | As noted      |
| Design by   | G. S.         |
| Drawing by  | L. ORTA       |
| Checked by  | G. S.         |
| Drawing No. | ROLLING-106 L |
| Sheet       | 4 of 5        |

Approved as complying with the  
Florida Building Code  
Date **SEPT. 30, 2004**  
NOA# **04-0714.02**  
Miami Dade Product Control  
Division  
By *Mmanuel Perez*

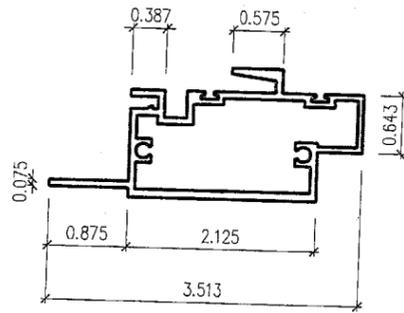
**CONFIGURATION SHEET**  
*[Signature]*  
9/9/04  
KELVYN WHITFIELD P.E.  
FLORIDA NO. 24140  
1002 NE 116 STREET  
MIAMI, FL 33161-6744



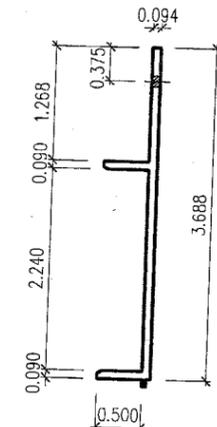
① Jamb Moving Frame # 106-003



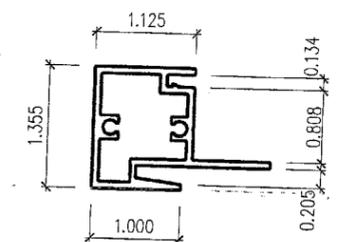
② Jamb Fixed Frame # 102-001



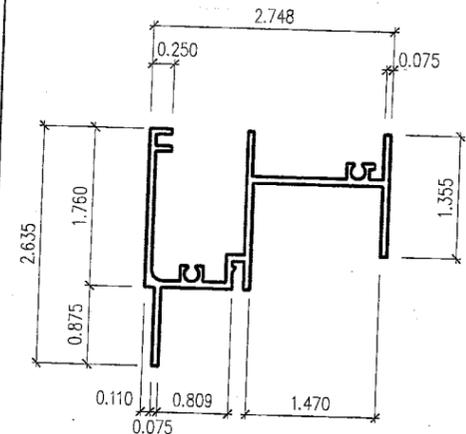
④ Intermediate # 102-004



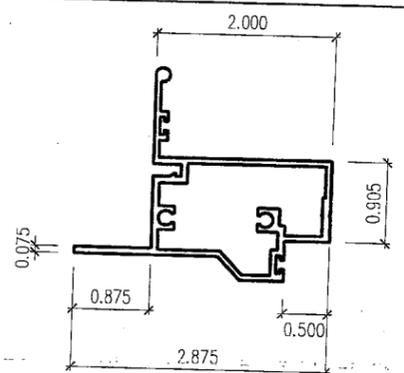
⑤ "F" Clip # 102-009



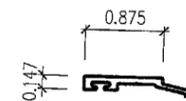
③ Moving Lock Stile # 102-005



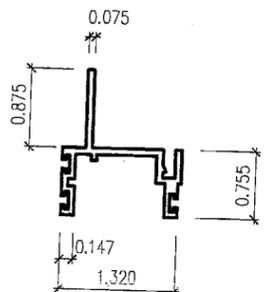
⑫ Head # 106-001



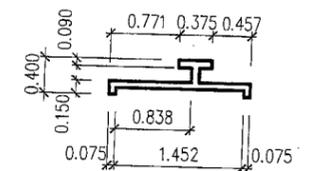
⑦ Jamb Moving Panel # 102-006



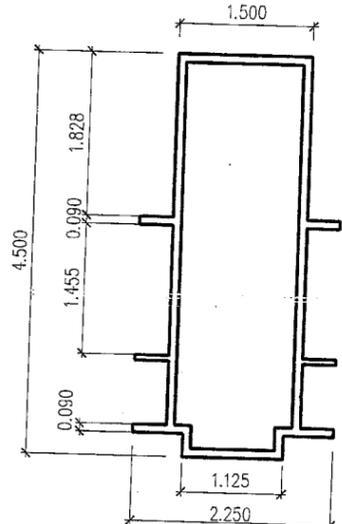
⑧ Glazing bead # 102-008



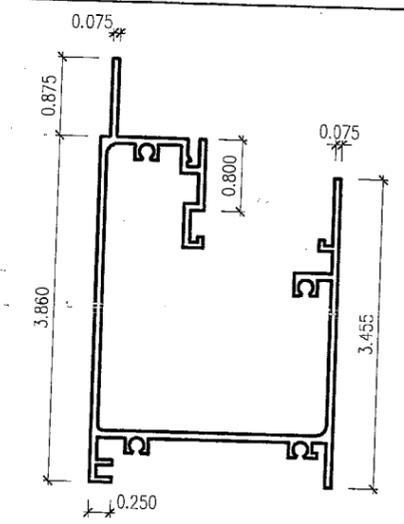
⑨ Side Rail # 106-005



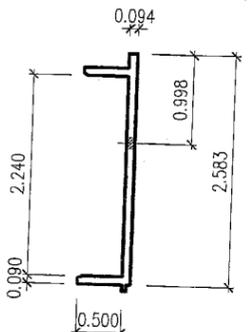
⑥ Sill Adaptor # 106-004



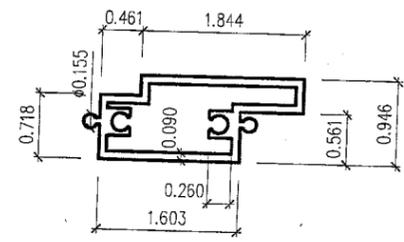
⑬ Mullion # 102-010



⑪ Sill # 106-002



⑭ "F" Clip ripped # 102-009



⑬ Reinf Fixed Stile # 106-006

| Item Number | Part Number   | Part Name               | Remarks   |
|-------------|---------------|-------------------------|---|
| 1           | 106-003       | Jamb Moving Frame       | Frame   |
| 2           | 102-001       | Jamb Fixed Frame        | Frame   |
| 3           | 102-005       | Moving Lock Stile       | Panel   |
| 4           | 102-004       | Intermediate            | Frame   |
| 5           | 102-009       | "F" Clip                |   |
| 6           | 106-004       | Sill Adaptor            |   |
| 7           | 102-006       | Jamb Moving Panel       | Panel   |
| 8           | 102-008       | Glazing Bead            | Panel   |
| 9           | 106-005       | Side Rail               | Panel   |
| 10          | 102-010       | Mullion                 |   |
| 11          | 106-002       | Sill                    | Frame   |
| 12          | 106-001       | Head                    | Frame   |
| 13          | 106-006       | Clip                    | 1 1/2" LG At Bottom of intermediate                                       |
| 14          | 102-009       | "F" Clip ripped         |   |
| 15          | # 568-62379   | Fin Seal Pile           |   |
| 16          | # 679-FP-448B | Bulb Vinyl              | Prototype Plastic Extrusion Co. Inc.                                      |
| 17          | PAD           | 2" X 1 3/8" X 1" HT     | Prototype Plastic Extrusion Co. Inc.                                      |
| 18          | Setting Block | EPDM                    | AT TOP OF INTERLOCK   |
| 19          | 679-FP-688B   | Vinyl Glass Spacer      | 3/16" THK. x 3/4" x 4" LG.  |
| 20          |               | #10 x 1" LG. PH-PH SMS  | Prototype Plastic Extrusion Co. Inc.                                      |
| 21          |               | Baffle 1" x 1" x 2" LG. | Assembly Frame & Vent   |
| 22          | PAD           | 2" X 7/8" X 1" HT       | 30 PPI  |
| 23          | RH-200        | Wheel                   | AT BOTTOM OF VENT AT INTERLOCK  |
| 24          | WPHP-100      | Weep Housing and Flat   | M & M. Plastic Corp.  |
| 25          | #568-61279    | Fin Seal Pile           | M & M Plastic Corp. attached with (2) #6x1/2"PH-SMS Screws.               |
| 26          |               | 1" x 1/4" Weep Hole     | Prototype Plastic Co., Inc  |
| 27          | SL01-CW       | Lock                    | One at Each Ends of Sill  |
| 28          |               | 1/2" x 1" Slot          | Door and Window Hardware co.<br>At Sill Adaptor 6" From Ends and 12" O.C. |

ROLLING GLASS WINDOW

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SERIES No. 106  
ALUMINUM ROLLING WINDOW  
LARGE MISSILE

| REVISION |          | By | Description      |
|----------|----------|----|------------------|
| No.      | Date     |    | General Revision |
| 1        | 08-08-04 |    |                  |

|             |               |
|-------------|---------------|
| Date        | 07-07-04      |
| Scale       | As noted      |
| Design by   | G. S.         |
| Drawing by  | L. O.         |
| Checked by  | G. S.         |
| Drawing No. | ROLLING-106 L |
| Sheet       | 5 of 5        |

PARTS LIST

Approved as complying with the Florida Building Code  
Date SEPT. 30, 2004  
NOAH 04-0714.02  
Miami Dade Product Control  
Division  
By Manuel Perez

*[Signature]*  
9/9/04  
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