



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

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

## NOTICE OF ACCEPTANCE (NOA)

**WinDoor, Incorporated**  
7500 Amsterdam drive  
Orlando, Florida, 32832

### 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 High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Series "8000" Aluminum Sliding Glass Door W/NO Reinforcements-S. M. Impact

**APPROVAL DOCUMENT:** Drawing No. WIND0077, titled "8000 Series SGD-SMI", sheets 1 through 8 of 8, prepared by manufacturer, dated 07/22/04 and last revised on 06/24/09, signed and sealed by Luis R. Lomas, 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: Small Missile Impact Resistant

#### Limitation:

1. Minimum two (2") long #14 wood installation screws are required.

**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 NOA # 04-1019.01 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 08-1010.08  
Expiration Date: May 12, 2010  
Approval Date: July 15, 2009

6/29/09

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS (transferred from file # 04-1019.01)**

1. Manufacturer's die drawings and sections.
2. Drawing No. **WIND0077**, titled "8000 Series SGD-SMP", sheets 1 through 8 of 8, prepared by manufacturer, dated 07/22/04 and last revised on 06/24/09, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS (transferred from file # 04-1019.01)**

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
  - 5) Small 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 Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3018-1**, dated 05/03/04 and revised on 05/11/09, signed & sealed by Gerald J, Ferrara, P.E.

(Note: This test report has an addendum letter dated 03/13/08, issued by National Certified Testing Laboratories Inc.)

2. Additional test report No. **NCTL-210-3582-1**, dated 05/04/09 issued by National Certified Testing Laboratories Inc for alum SGD per FBC, TAS 202-94 (Structural) and water Resistant Test, signed & sealed by Gerald J, Ferrara, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations complying w/ FBC-2007, dated 03-26-09, prepared, signed and sealed by Luis R. Lomas, P.E.,
2. Glazing complies with ASTM E-1300-02 & -04

**D. QUALITY ASSURANCE BY:**

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

**E. MATERIAL CERTIFICATIONS**

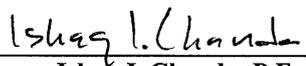
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours, for "DuPont Butacite ® PVB", expiring on 12/11/2010
2. Notice of Acceptance No. **08-0514.08** issued to Solutia, for "Vanceva Composite interlayer", expiring on 12/11/2013.

**F. STATEMENTS**

1. Statement letters of conformance and "No financial interest", both dated Sep. 11, 2008, signed and sealed by Luis R. Lomas, P.E.
2. Statement of compliance, issued as part of the above referenced test report issued by National Certified Testing Laboratories.

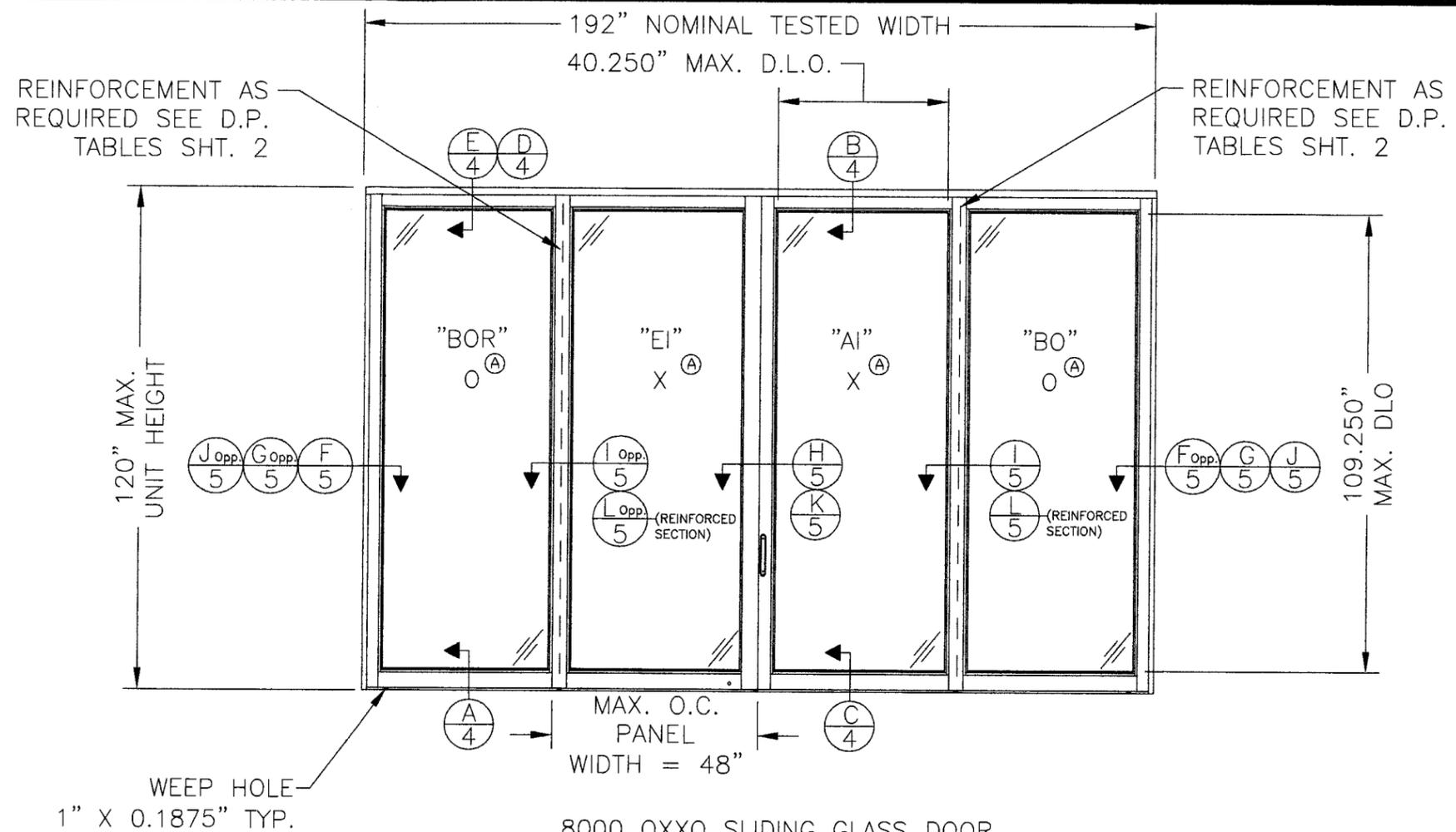
**G. OTHER**

1. This NOA revises NOA # **04-1019.01**, expiring May 12, 2010.
2. Test Proposals dated 01/05/09 and # **06-0152**, approved by BCCO.

  
\_\_\_\_\_  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 08-1010.08  
Expiration Date: May 12, 2010  
Approval Date: July 15, 2009

**GENERAL NOTES:**

- 1) THE PRODUCT SHOWN HEREIN COMPLIES WITH THE CURRENT FLORIDA BUILDING CODE INCLUDING THE HVHZ .
- 2) 1X OR 2X WOOD BUCK, STEEL OR WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE SMALL MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED, FOR INSTALLATION OF THIS PRODUCT 30' OR MORE, ABOVE GROUND LEVEL.
- 4) SEE DESIGN PRESSURE CHARTS ON SHEET 2 FOR DESIGN PRESSURE RATINGS.
- 5) ALLOWABLE STRESS INCREASE OF 1/3, WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOW HEREIN.



**8000 OXXO SLIDING GLASS DOOR**

- "BOR" PANEL (FIXED) = 49-1/2" X 118-5/16"
- "EI" PANEL (ACTIVE) = 50-1/4" X 118-5/16"
- "AI" PANEL (ACTIVE) = 49-1/2" X 118-5/16"
- "BO" PANEL (FIXED) = 49-1/2" X 118-5/16"

**D.L.O. FORMULA**

- D.L.O. HEIGHT = PANEL HEIGHT - 9"
- D.L.O. WIDTH = PANEL WIDTH - 9"

APPROVED CONFIGURATION TABLE  
2 TRACK | XO, OX, XX, OXO, OXXO

| TABLE OF CONTENTS |                            |
|-------------------|----------------------------|
| SHEET             | SHEET DESCRIPTION          |
| 1                 | ELEVATIONS & GENERAL NOTES |
| 2                 | DESIGN PRESSURE CHARTS     |
| 3                 | ANCHORING DETAILS          |
| 4                 | VERTICAL CROSS SECTIONS    |
| 5                 | HORIZONTAL CROSS SECTIONS  |
| 6                 | GLAZING DETAILS            |
| 7                 | BILL OF MATERIALS          |
| 8                 | COMPONENTS                 |

| SHEET     | REV | DESCRIPTION                             | DATE     | BY  |
|-----------|-----|---|----------|-----|
| 1-8       | D   | REVISED PER DADE LETTER DATED 04-29-09  | 05/12/09 | TJH |
| 1-8       | C   | REVISED PER DADE LETTER DATED 11-2-08   | 11/17/08 | TJH |
| 1         | B   | General revision and update to 2007 FBC | 08/01/08 | DRL |
| 1         | A   | Per Dade letter dated 12/03/04          | 12/21/04 | DRL |
| REVISIONS |     |   |          |     |

LUIS R. LOMAS P.E.  
*Luis R. Lomas*  
6/22/09  
FLORIDA REGISTRATION NO. 62514

**WinDoor INCORPORATED**  
7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

Dwg Title: SERIES 8000 SGD SMALL MISSILE ELEVATIONS AND GENERAL NOTES

|        |            |                  |       |
|--------|------------|------------------|-------|
| SIZE B | Drn By: BB | DWG NO. WIND0077 | REV D |
|--------|------------|------------------|-------|

SCALE N.T.S. DATE: 07/22/04 SHEET 1 OF 8

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 08-1010-08  
Expiration Date MAY 12, 2010  
By *Ishag I. Chahale*  
Miami Dade Product Control Division

REINFORCED UNIT DESIGN PRESSURE CHARTS

GLAZING TYPES A, B, C, D, E & F

REINFORCED UNITS WITH 1 1/2" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |       | 30.0 |       | 36.0 |       | 42.0 |       | 48.0 |       |
|-------------|------|-------|------|-------|------|-------|------|-------|------|-------|
|             | Pos  | Neg   |
| 80.0        | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 |
| 84.0        | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 |
| 96.0        | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 146.3 | 45.0 | 133.3 |
| 108.0       | 45.0 | 150.0 | 45.0 | 150.0 | 45.0 | 142.2 | 45.0 | 126.1 | 45.0 | 114.3 |
| 120.0       | 45.0 | 150.0 | 45.0 | 146.3 | 45.0 | 125.5 | 45.0 | 110.8 | 45.0 | 100.0 |

REINFORCED UNITS WITH 2 1/4" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |       | 30.0 |       | 36.0 |       | 42.0 |       | 48.0 |       |
|-------------|------|-------|------|-------|------|-------|------|-------|------|-------|
|             | Pos  | Neg   |
| 80.0        | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 |
| 84.0        | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 |
| 96.0        | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 146.3 | 60.0 | 133.3 |
| 108.0       | 60.0 | 150.0 | 60.0 | 150.0 | 60.0 | 142.2 | 60.0 | 126.1 | 60.0 | 114.3 |
| 120.0       | 60.0 | 150.0 | 60.0 | 146.3 | 60.0 | 125.5 | 60.0 | 110.8 | 60.0 | 100.0 |

REINFORCED UNITS WITH 3" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |       | 30.0 |       | 36.0 |       | 42.0 |       | 48.0 |       |
|-------------|------|-------|------|-------|------|-------|------|-------|------|-------|
|             | Pos  | Neg   |
| 80.0        | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 |
| 84.0        | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 |
| 96.0        | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 146.3 | 80.0 | 133.3 |
| 108.0       | 80.0 | 150.0 | 80.0 | 150.0 | 80.0 | 142.2 | 80.0 | 126.1 | 80.0 | 114.3 |
| 120.0       | 80.0 | 150.0 | 80.0 | 146.3 | 80.0 | 125.5 | 80.0 | 110.8 | 80.0 | 100.0 |

REINFORCED UNITS WITH 3 1/2" SILL RISER

Single Panel width (in)

| Height (in) | 24.0  |       | 30.0  |       | 36.0  |       | 42.0  |       | 48.0  |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | Pos   | Neg   |
| 80.0        | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 |
| 84.0        | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 |
| 96.0        | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 146.3 | 100.0 | 133.3 |
| 108.0       | 100.0 | 150.0 | 100.0 | 150.0 | 100.0 | 142.2 | 100.0 | 126.1 | 91.4  | 114.3 |
| 120.0       | 100.0 | 150.0 | 100.0 | 146.3 | 100.0 | 125.5 | 88.7  | 110.8 | 80.0  | 100.0 |

REINFORCED UNITS WITH 4 1/4" SILL RISER

Single Panel width (in)

| Height (in) | 24.0  |       | 30.0  |       | 36.0  |       | 42.0  |       | 48.0  |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | Pos   | Neg   |
| 80.0        | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 |
| 84.0        | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 |
| 96.0        | 120.0 | 150.0 | 120.0 | 150.0 | 120.0 | 150.0 | 117.0 | 146.3 | 106.7 | 133.3 |
| 108.0       | 120.0 | 150.0 | 120.0 | 150.0 | 113.8 | 142.2 | 100.9 | 126.1 | 91.4  | 114.3 |
| 120.0       | 120.0 | 150.0 | 117.0 | 146.3 | 100.4 | 125.5 | 88.7  | 110.8 | 80.0  | 100.0 |

NOTE: OPERABLE PANEL MUST COMPLY WITH MINIMUM WIDTH REQUIREMENTS PER FBC.

| SHEET     | REV | DESCRIPTION                             | DATE     | BY  |
|-----------|-----|---|----------|-----|
| 1-8       | D   | REVISED PER DADE LETTER DATED 04-29-09  | 05/12/09 | TJH |
| 1-8       | C   | REVISED PER DADE LETTER DATED 11-2-08   | 11/17/08 | TJH |
| 1         | B   | General revision and update to 2007 FBC | 08/01/08 | DRL |
| 1         | A   | Per Dade letter dated 12/03/04          | 12/21/04 | DRL |
| REVISIONS |     |   |          |     |

NON-REINFORCED UNIT DESIGN PRESSURE CHARTS

GLAZING TYPES A, B, C, D, E & F

NON-REINFORCED UNITS WITH 1 1/2" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |      | 30.0 |      | 36.0 |      | 42.0 |      | 48.0 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Pos  | Neg  |
| 80.0        | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 |
| 84.0        | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 |
| 96.0        | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 87.8 | 45.0 | 80.0 |
| 108.0       | 45.0 | 90.0 | 45.0 | 90.0 | 45.0 | 85.3 | 45.0 | 75.7 | 45.0 | 68.6 |
| 120.0       | 45.0 | 90.0 | 45.0 | 87.8 | 45.0 | 75.3 | 45.0 | 66.5 | 45.0 | 60.0 |

NON-REINFORCED UNITS WITH 2 1/4" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |      | 30.0 |      | 36.0 |      | 42.0 |      | 48.0 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Pos  | Neg  |
| 80.0        | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 |
| 84.0        | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 |
| 96.0        | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 87.8 | 60.0 | 80.0 |
| 108.0       | 60.0 | 90.0 | 60.0 | 90.0 | 60.0 | 85.3 | 60.0 | 75.7 | 57.1 | 68.6 |
| 120.0       | 60.0 | 90.0 | 60.0 | 87.8 | 60.0 | 75.3 | 55.4 | 66.5 | 50.0 | 60.0 |

NON-REINFORCED UNITS WITH 3" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |      | 30.0 |      | 36.0 |      | 42.0 |      | 48.0 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Pos  | Neg  |
| 80.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 84.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 96.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 73.1 | 87.8 | 66.7 | 80.0 |
| 108.0       | 75.0 | 90.0 | 75.0 | 90.0 | 71.1 | 85.3 | 63.1 | 75.7 | 57.1 | 68.6 |
| 120.0       | 75.0 | 90.0 | 73.1 | 87.8 | 62.7 | 75.3 | 55.4 | 66.5 | 50.0 | 60.0 |

NON-REINFORCED UNITS WITH 3 1/2" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |      | 30.0 |      | 36.0 |      | 42.0 |      | 48.0 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Pos  | Neg  |
| 80.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 84.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 96.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 73.1 | 87.8 | 66.7 | 80.0 |
| 108.0       | 75.0 | 90.0 | 75.0 | 90.0 | 71.1 | 85.3 | 63.1 | 75.7 | 57.1 | 68.6 |
| 120.0       | 75.0 | 90.0 | 73.1 | 87.8 | 62.7 | 75.3 | 55.4 | 66.5 | 50.0 | 60.0 |

NON-REINFORCED UNITS WITH 4 1/4" SILL RISER

Single Panel width (in)

| Height (in) | 24.0 |      | 30.0 |      | 36.0 |      | 42.0 |      | 48.0 |      |
|-------------|------|------|------|------|------|------|------|------|------|------|
|             | Pos  | Neg  |
| 80.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 84.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 |
| 96.0        | 75.0 | 90.0 | 75.0 | 90.0 | 75.0 | 90.0 | 73.1 | 87.8 | 66.7 | 80.0 |
| 108.0       | 75.0 | 90.0 | 75.0 | 90.0 | 71.1 | 85.3 | 63.1 | 75.7 | 57.1 | 68.6 |
| 120.0       | 75.0 | 90.0 | 73.1 | 87.8 | 62.7 | 75.3 | 55.4 | 66.5 | 50.0 | 60.0 |

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 08-1010-05  
Expiration Date MAY 12, 2010  
By Ismael J. Chaves  
Miami Dade Product Control Division

LUIS R. LOMAS P.E.

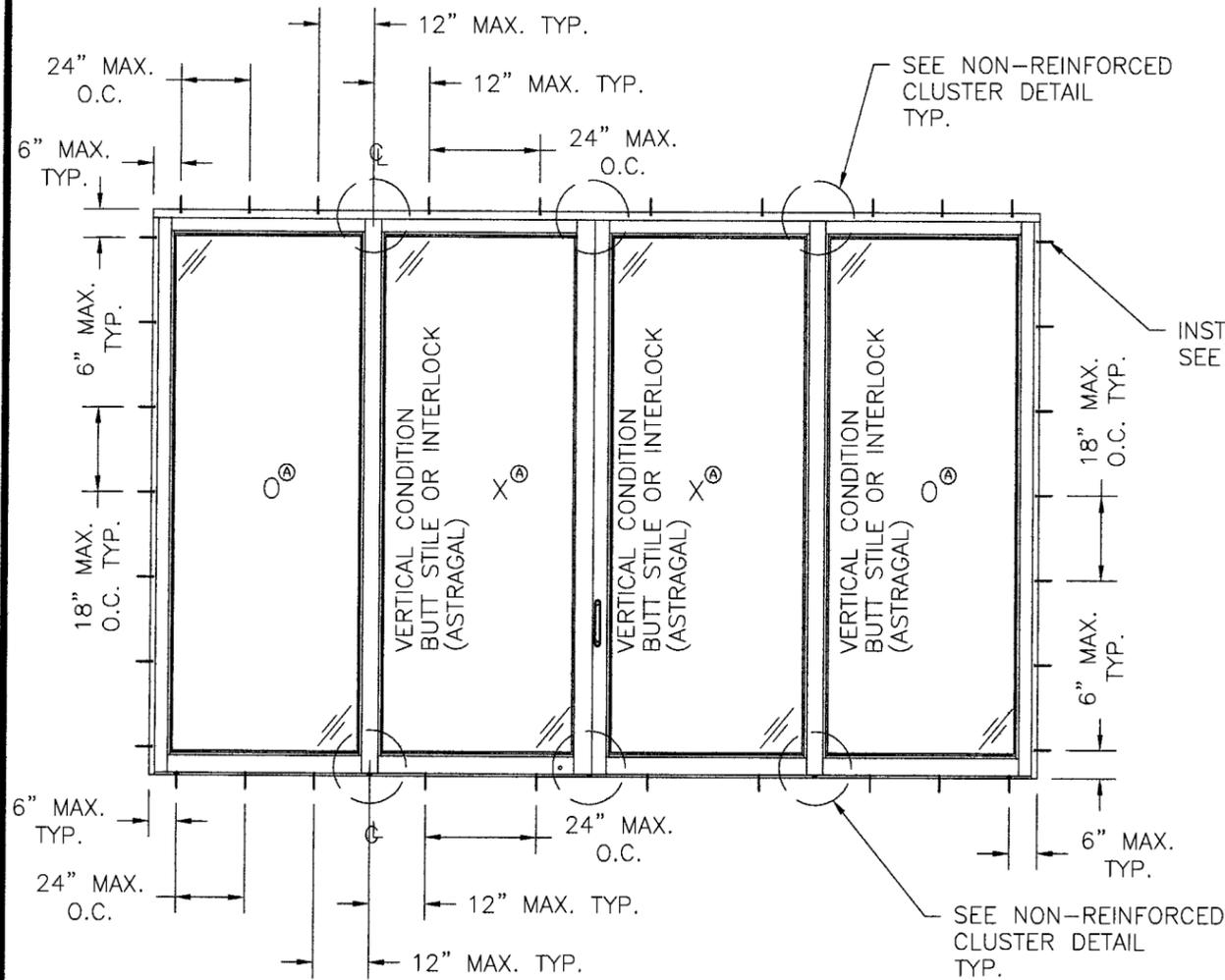
*Luís R. Lomas*  
6/22/09

FLORIDA REGISTRATION NO. 62514

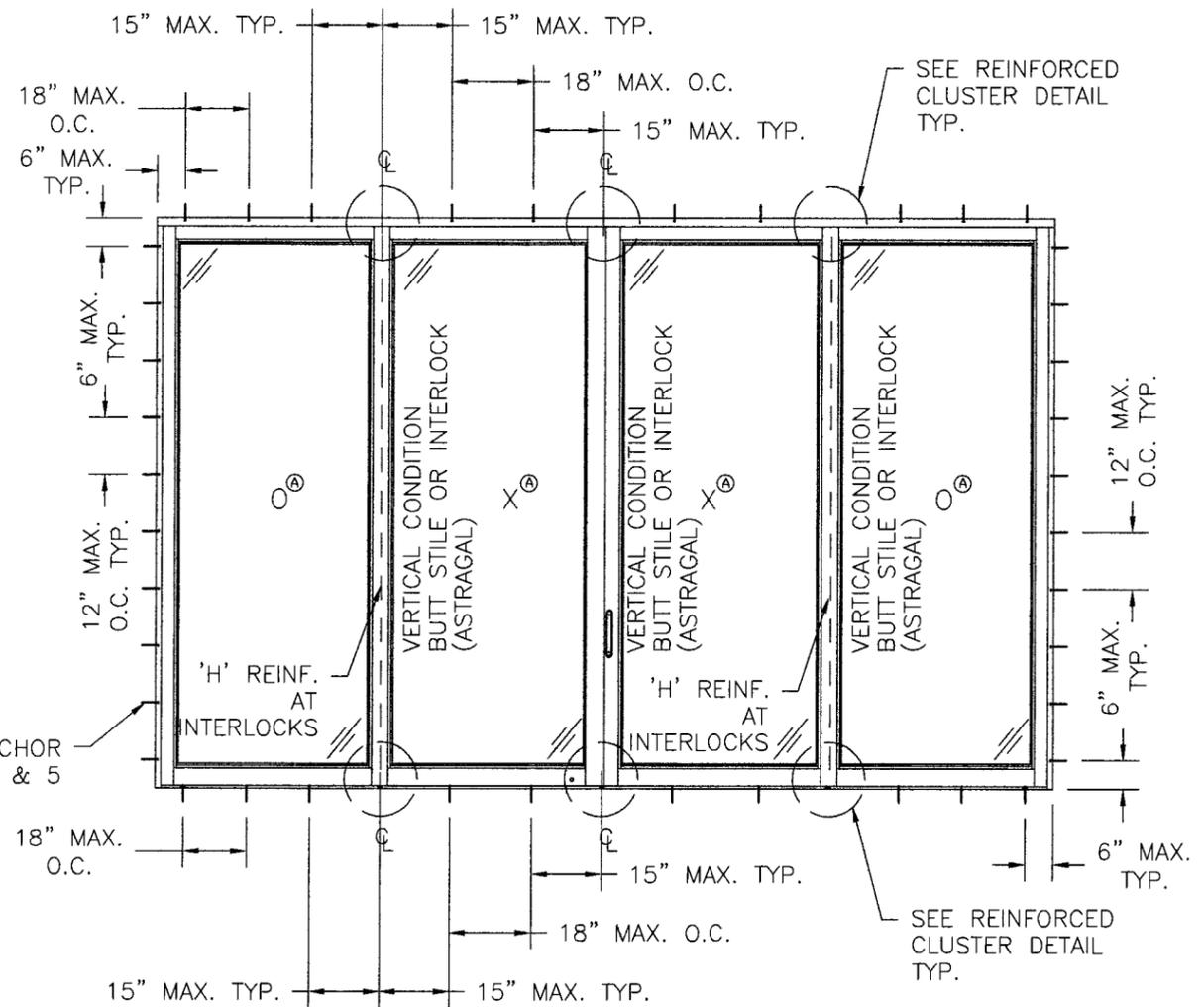
**WinDoor**  
INCORPORATED

7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505 www.windoorinc.com

|   |                   |                     |          |
|---|-------------------|---------------------|----------|
| Dwg Title: SERIES 8000 SGD SMALL MISSILE DESIGN PRESSURE CHARTS |                   |                     |          |
| SIZE<br>B   | Drn By:<br>BB     | DWG NO.<br>WIND0077 | REV<br>D |
| SCALE<br>N.T.S.   | DATE:<br>07/14/04 | SHEET 2 OF 8        |          |



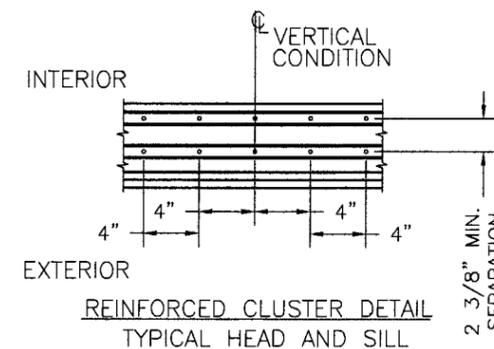
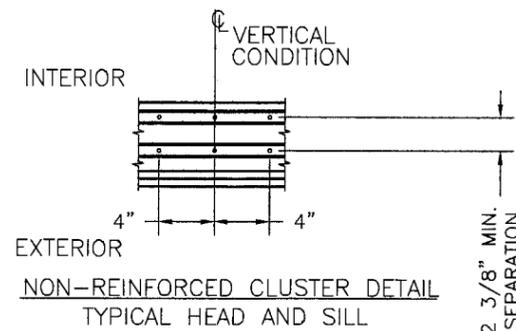
SERIES 8000 OXXO NON REINFORCED SLIDING GLASS DOOR  
SEE NOTES THIS SHEET



SERIES 8000 OXXO REINFORCED SLIDING GLASS DOOR  
SEE NOTES THIS SHEET

**INSTALLATION NOTES:**

- SHIM AS REQ'D. AT EA. SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- TWO (2) ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- CONCRETE OR MASONRY SUBSTRATE WHERE ONE BY, NON-STRUCTURAL, WOOD BUCKING IS EMPLOYED, (1X TO BE PROPERLY ATTACHED TO SUBSTRATE AND REVIEWED BY BUILDING OFFICIAL), USE 1/4" DIAMETER ELCO CRETE-FLEX SS4 TAPCON CONCRETE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM OF 1 1/4" INTO CONCRETE OR MASONRY.
- WOOD FRAME SUBSTRATE, USE #14 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1 1/2" INTO WOOD FRAMING.
- STEEL STUD FRAMING, USE #14 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1 1/2" INTO STEEL FRAMING WITH WOOD BACKER.



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-1010-08  
Expiration Date MAY 12, 2010  
By Ishaq J. Chanda  
Miami Dade Product Control  
Division

| SHEET     | REV | DESCRIPTION                             | DATE     | BY  |
|-----------|-----|---|----------|-----|
| 1 - 8     | DC  | REVISED PER DADE LETTER DATED 04-29-09  | 05/12/09 | TJH |
| 1 - 8     | C   | REVISED PER DADE LETTER DATED 11-2-08   | 11/17/08 | TJH |
| 1         | B   | General revision and update to 2007 FBC | 08/01/08 | DRL |
| 1         | A   | Per Dade letter dated 12/03/04          | 12/21/04 | DRL |
| REVISIONS |     |   |          |     |

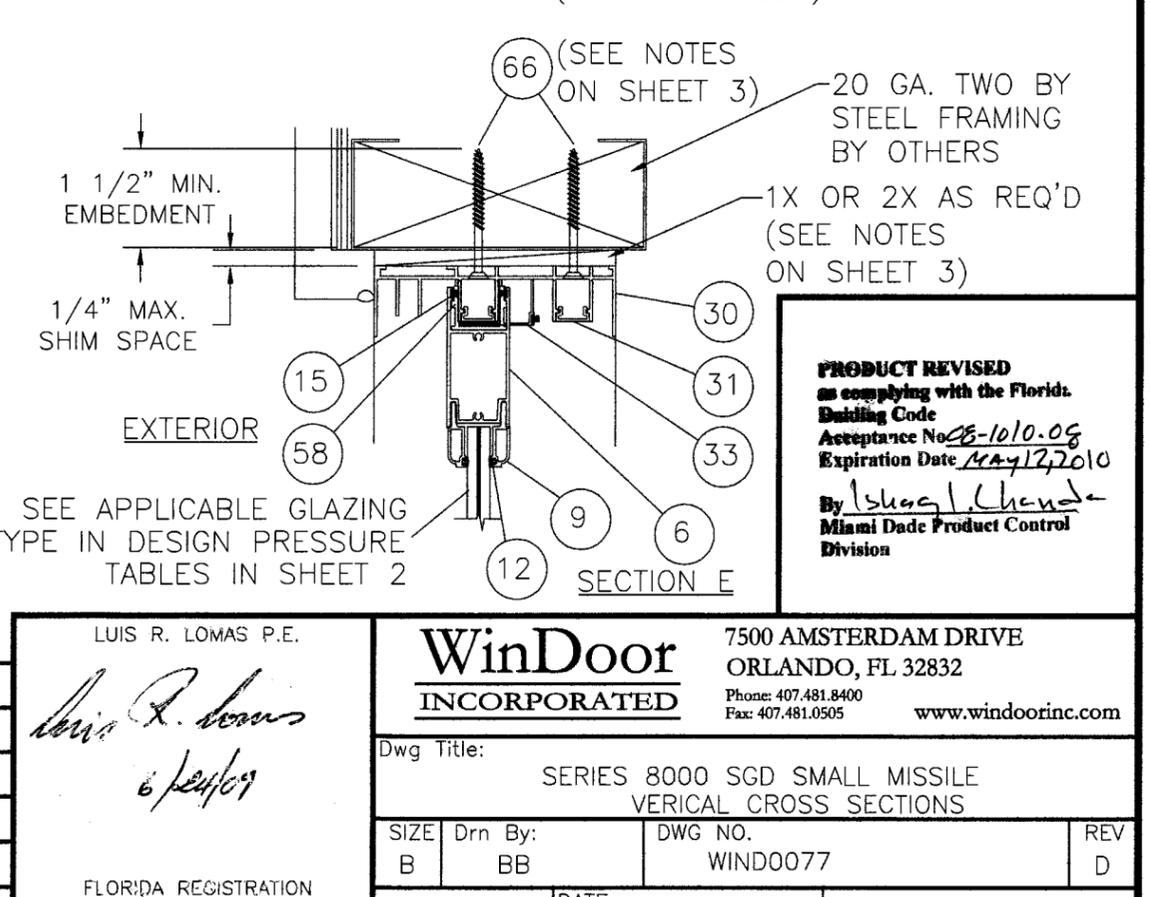
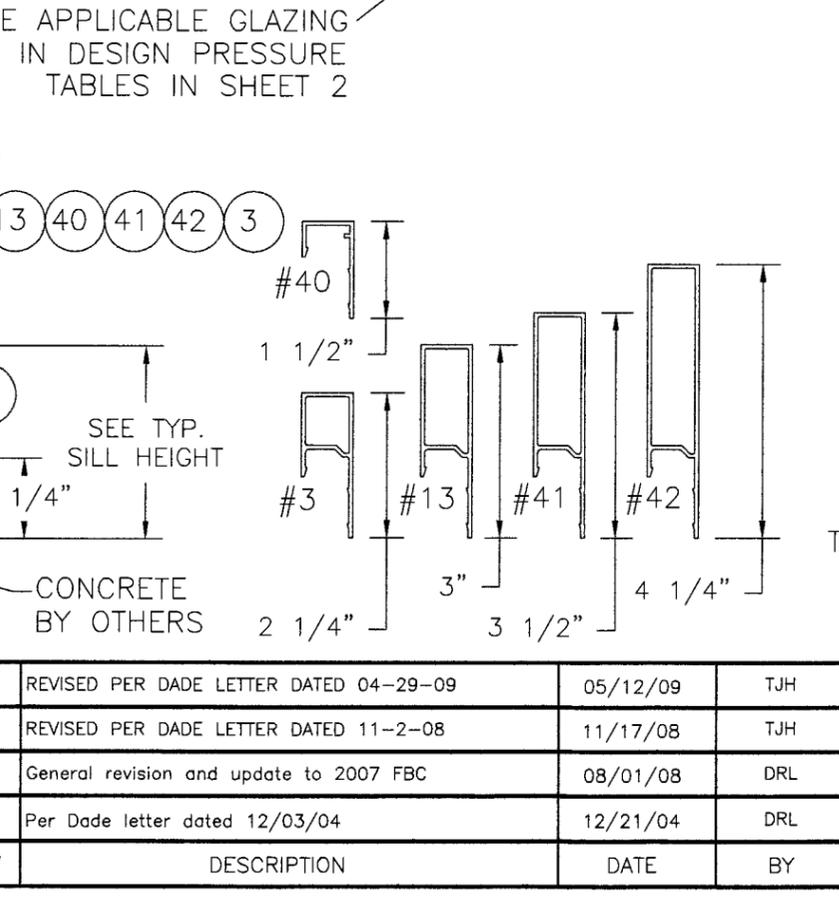
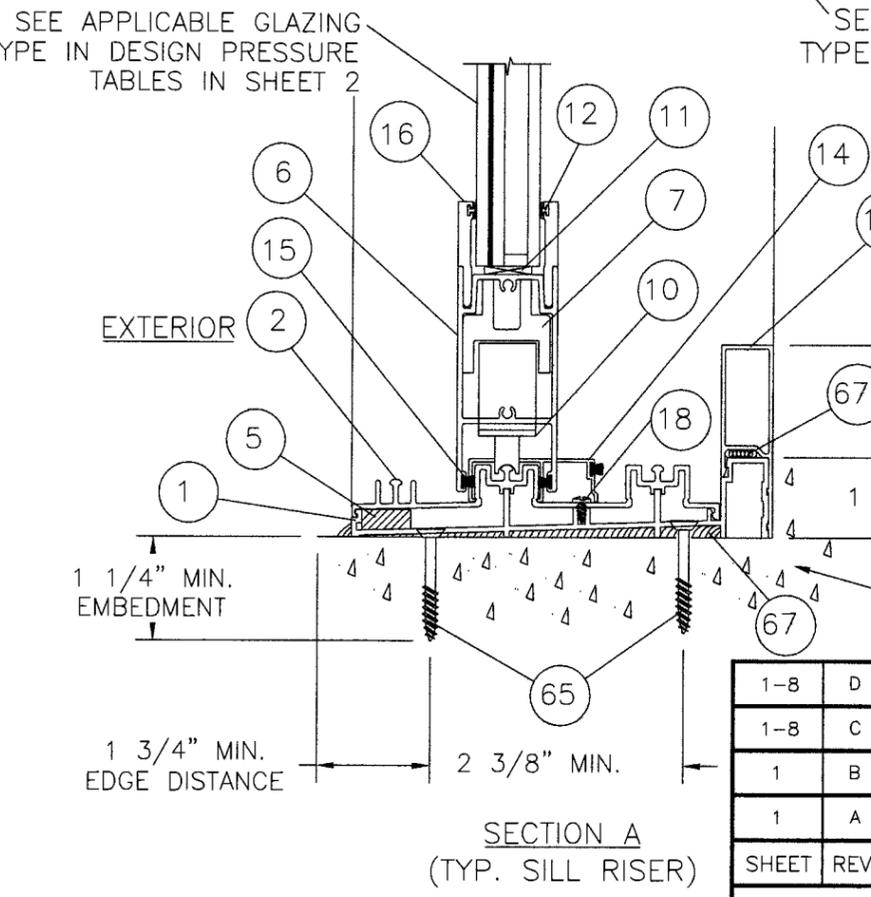
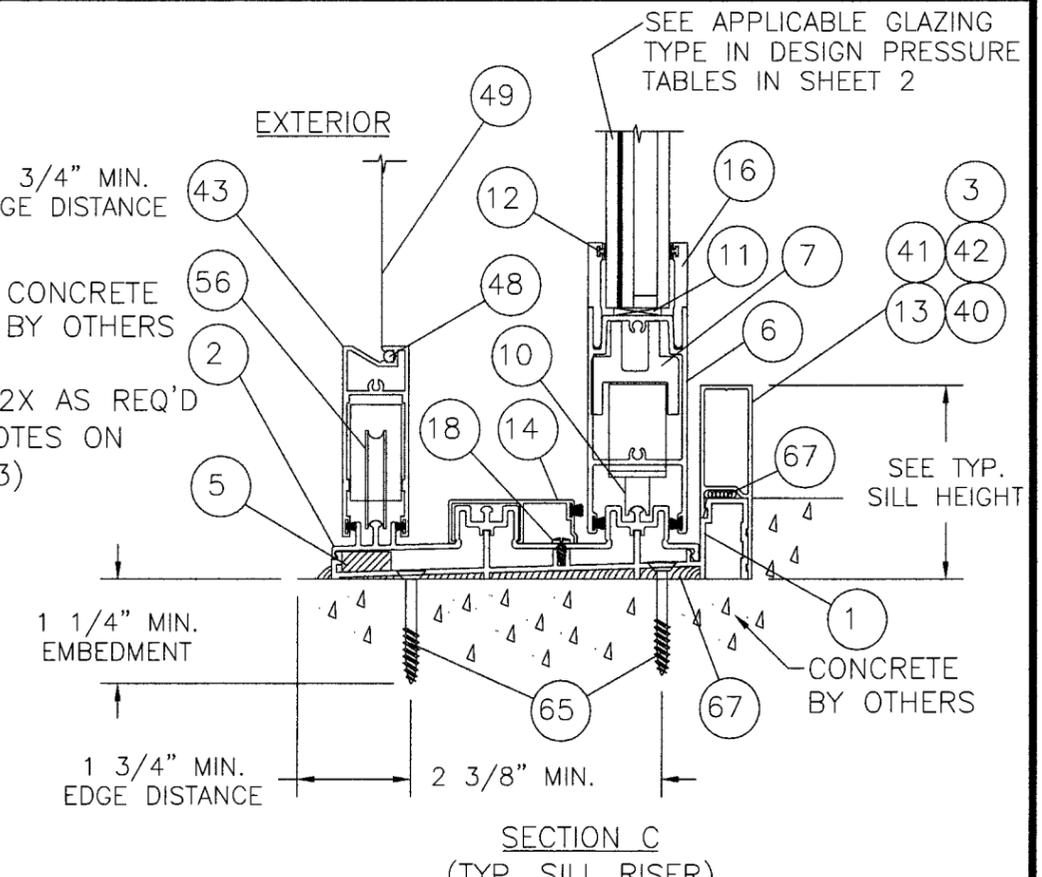
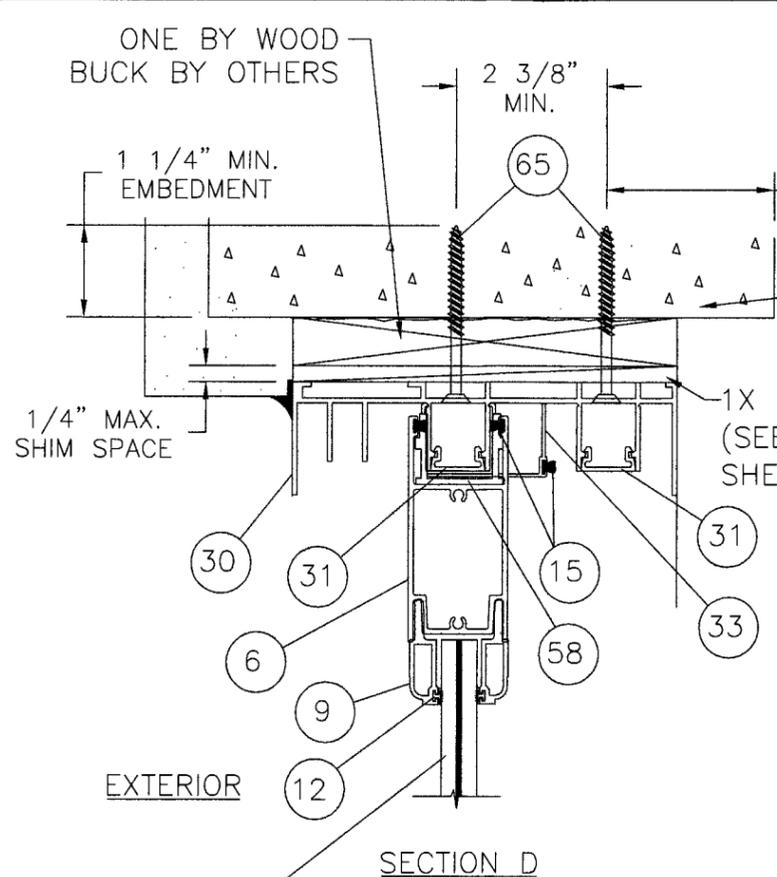
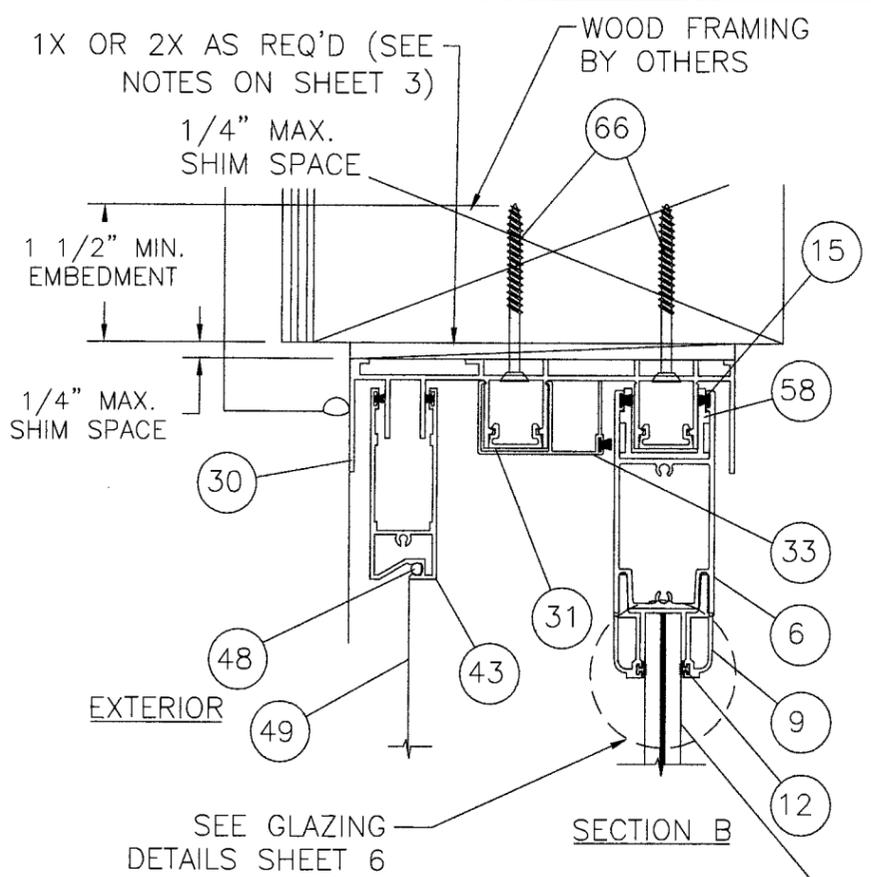
LUIS R. LOMAS P.E.  
*Luis R. Lomas*  
6/24/09  
FLORIDA REGISTRATION  
NO. 62514

**WinDoor**  
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7500 AMSTERDAM DRIVE  
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Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

Dwg Title: SERIES 8000 SGD SMALL MISSILE ANCHORING DETAILS

|           |               |                     |          |
|-----------|---------------|---------------------|----------|
| SIZE<br>B | Drn By:<br>BB | DWG NO.<br>WIND0077 | REV<br>D |
|-----------|---------------|---------------------|----------|

SCALE N.T.S. DATE: 07/14/04 SHEET 3 OF 8



| SHEET | REV | DESCRIPTION                             | DATE     | BY  |
|-------|-----|---|----------|-----|
| 1-8   | D   | REVISED PER DADE LETTER DATED 04-29-09  | 05/12/09 | TJH |
| 1-8   | C   | REVISED PER DADE LETTER DATED 11-2-08   | 11/17/08 | TJH |
| 1     | B   | General revision and update to 2007 FBC | 08/01/08 | DRL |
| 1     | A   | Per Dade letter dated 12/03/04          | 12/21/04 | DRL |

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*Luis R. Lomas*  
*6/21/09*  
 FLORIDA REGISTRATION NO. 62514

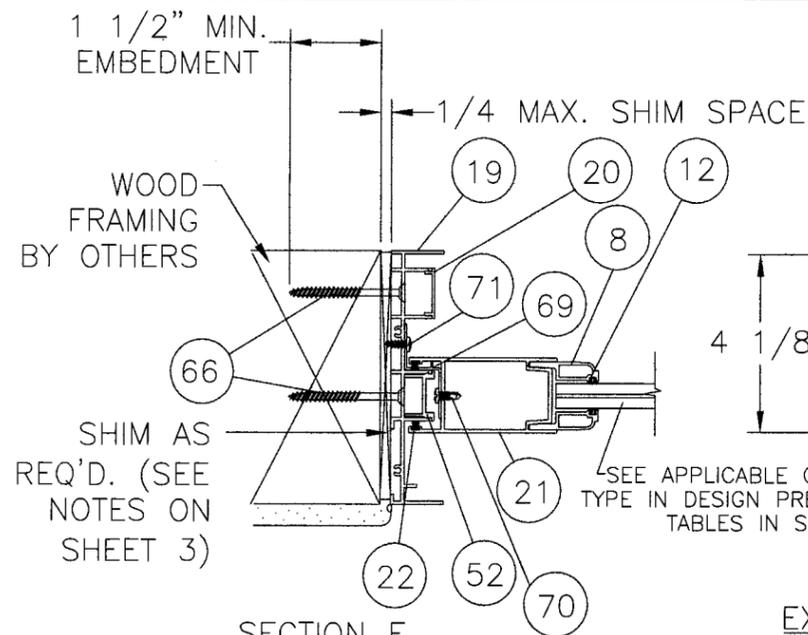
**WinDoor** INCORPORATED  
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Dwg Title: SERIES 8000 SGD SMALL MISSILE  
 VERTICAL CROSS SECTIONS

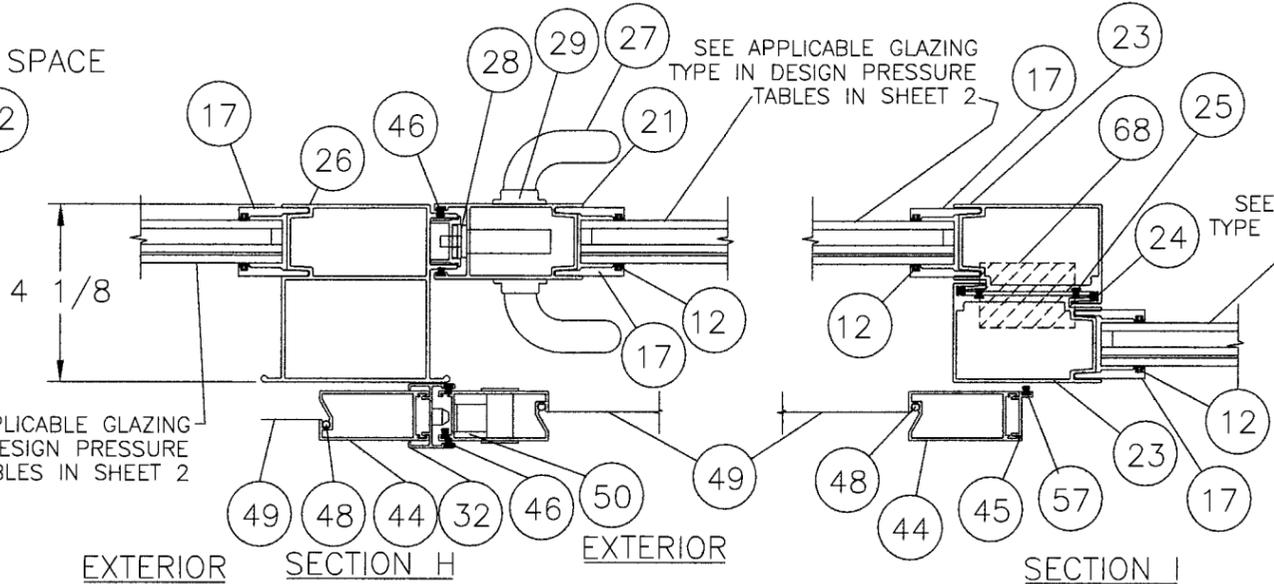
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|------|---------|----------|-----|
| SIZE | Drn By: | DWG NO.  | REV |
| B    | BB      | WIND0077 | D   |

SCALE N.T.S. DATE: 07/14/04 SHEET 4 OF 8

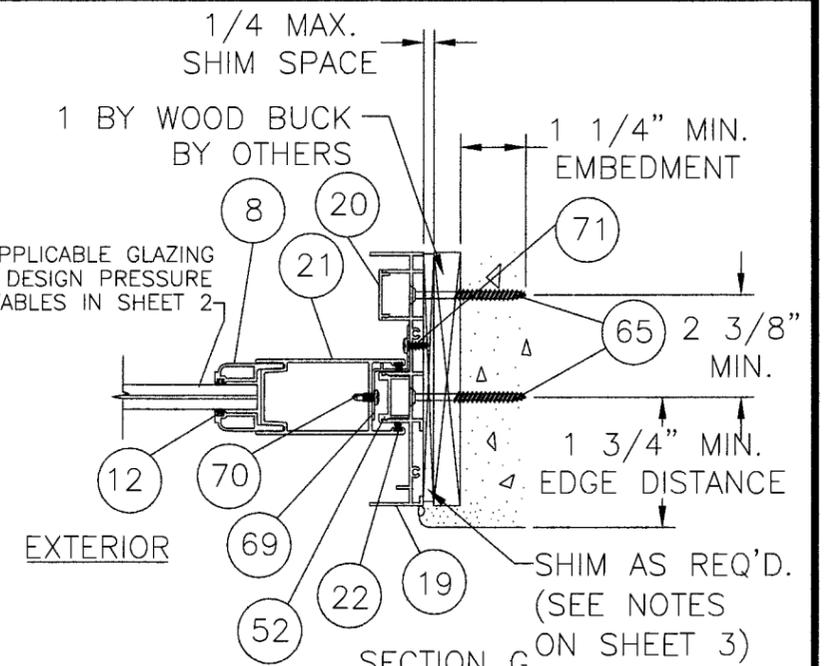
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1010-08  
 Expiration Date MAY 12, 2010  
 By *Ismael Chanda*  
 Miami Dade Product Control  
 Division



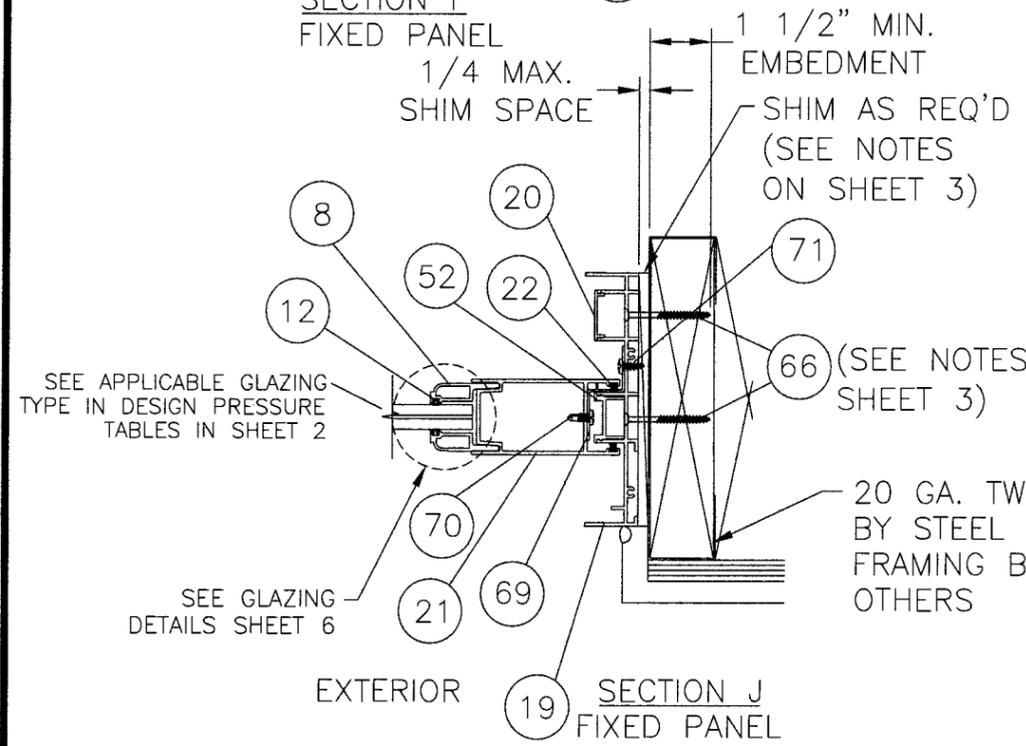
SECTION F  
FIXED PANEL  
1/4 MAX. SHIM SPACE



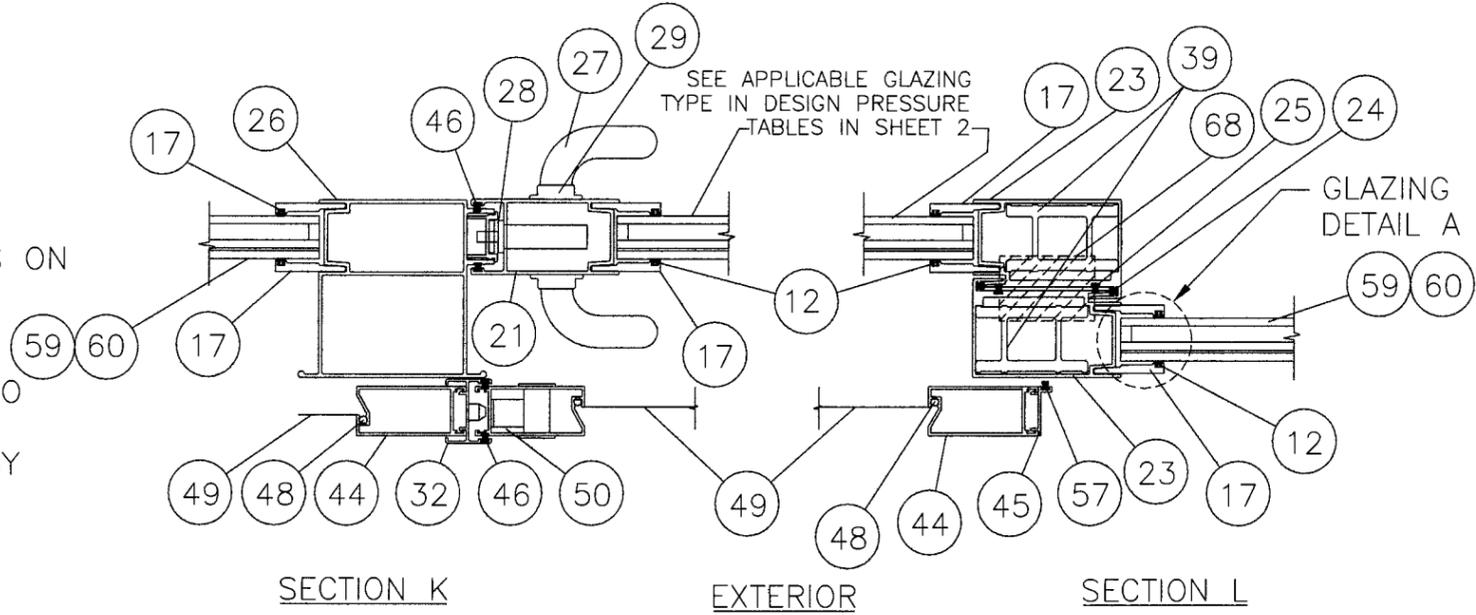
NON REINFORCED DOORS



SECTION G  
FIXED PANEL



SECTION J  
FIXED PANEL



REINFORCED DOORS

PANEL CONSTRUCTION  
EACH PANEL HAS COPED & BUTTED CORNERS.  
EACH CORNER IS FASTENED TOGETHER WITH  
TWO #10 X 1 1/4 SS PAN HEAD SCREWS.

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| REVISIONS |     |   |          |     |

LUIS R. LOMAS P.E.  
*[Signature]*  
6/24/09  
FLORIDA REGISTRATION NO. 62514

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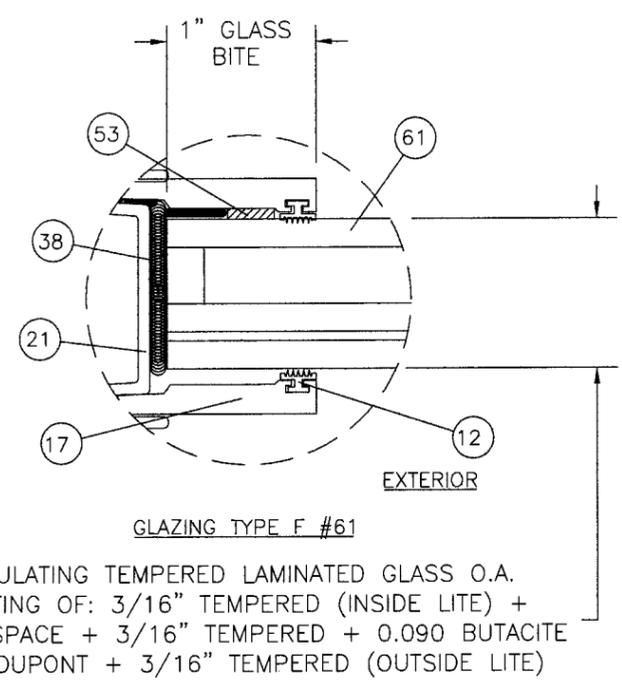
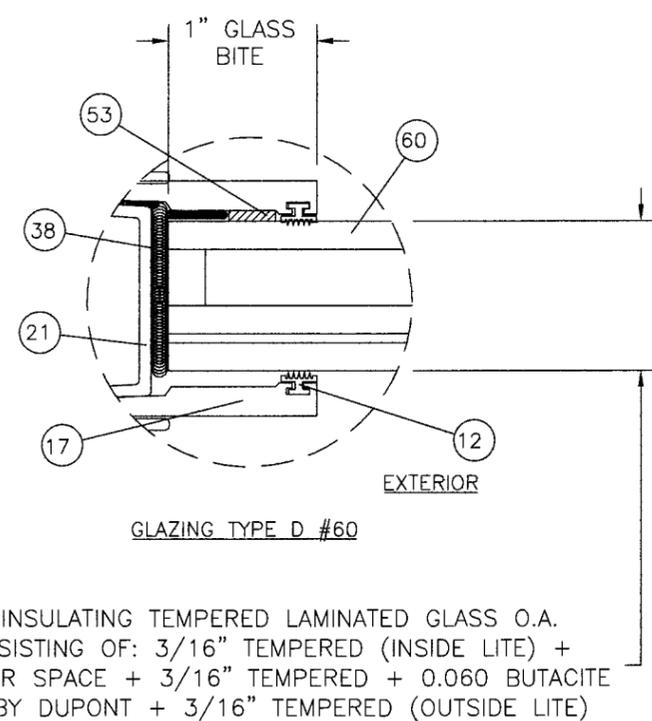
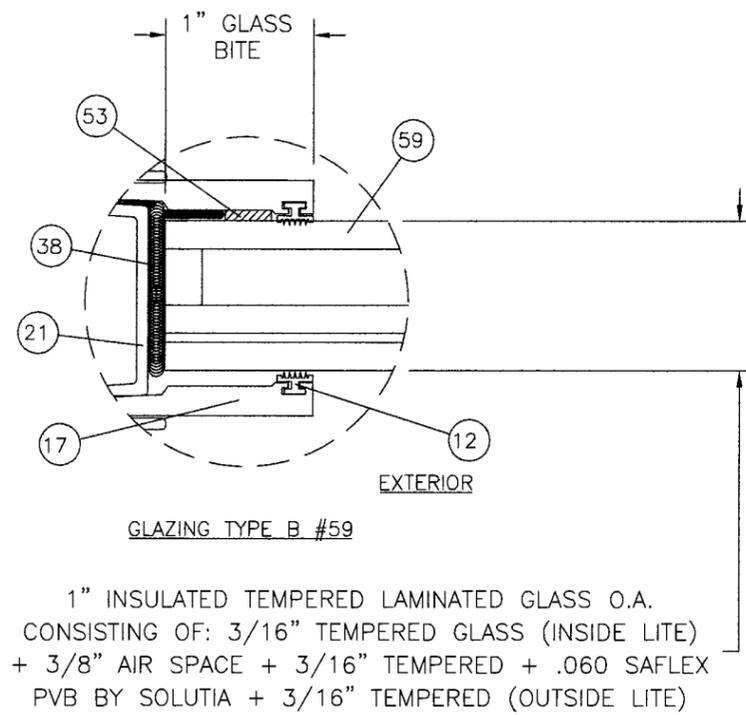
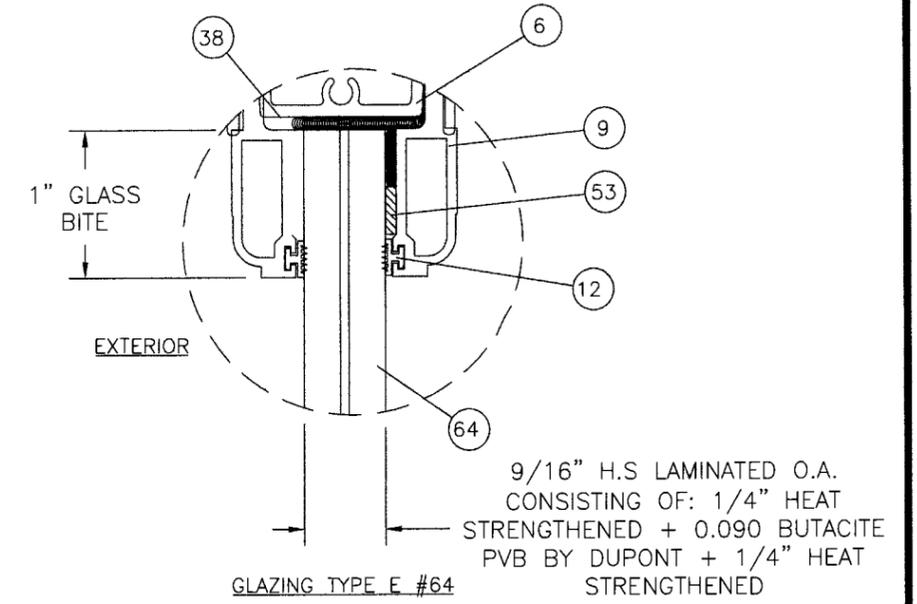
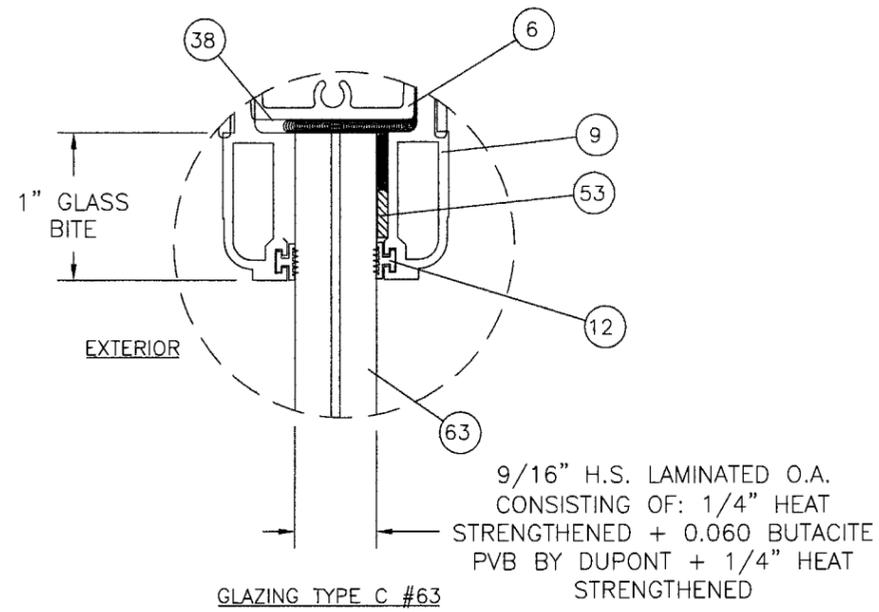
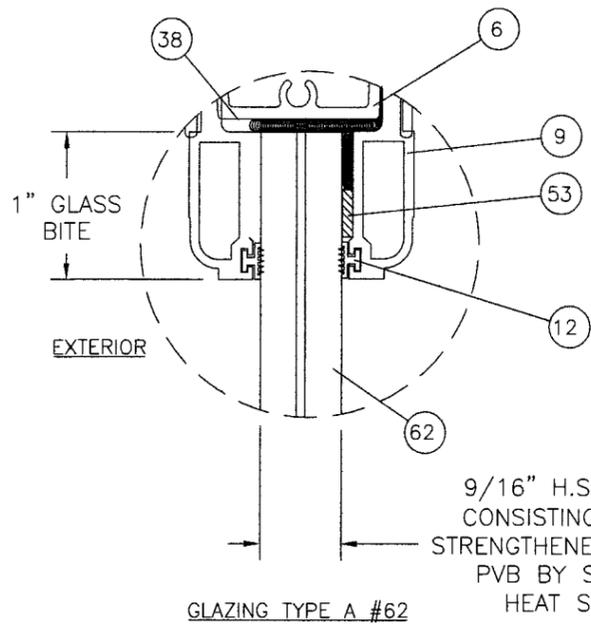
Dwg Title: SERIES 8000 SGD SMALL MISSILE HORIZONTAL CROSS SECTIONS

|      |         |          |     |
|------|---------|----------|-----|
| SIZE | Drn By: | DWG NO.  | REV |
| B    | BB      | WIND0077 | D   |

SCALE N.T.S. DATE: 07/14/04 SHEET 5 OF 8

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 08-1010-05  
Expiration Date MAY 12, 2010  
By *[Signature]*  
Miami Dade Product Control  
Division

NOTES: (FIXED PANELS)  
1. ITEM #69, PVB PANEL Z-CLIP IS PLACED IN THE CENTER OF THE PANEL AND IS ATTACHED TO THE PANEL WITH (3) ITEM #70, #10 x 1/2" TEKS SCREW, AND TO THE JAMB WITH (3) ITEM #71, #10 x 1/2" SMS.  
2. ALL FIXED PANELS ARE HELD IN PLACE WITH ITEM #14, SILL COVER, AND ITEM #33, HEAD COVER.



**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 08-1010-05  
 Expiration Date 07/12/2010  
 By *Luis R. Lomas*  
 Miami Dade Product Control Division

| SHEET     | REV | DESCRIPTION                             | DATE     | BY  |
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| REVISIONS |     |   |          |     |

LUIS R. LOMAS P.E.  
*Luis R. Lomas*  
 6/24/09  
 FLORIDA REGISTRATION NO. 62514

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 Phone: 407.481.8400  
 Fax: 407.481.0505  
 www.windoorinc.com

Dwg Title: SERIES 8000 SGD SMALL MISSILE GLAZING DETAILS

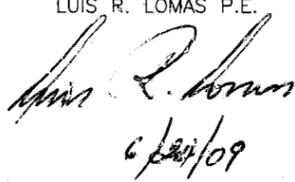
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|--------------|----------------|------------------|-------|
| SIZE B       | Drn By: BB     | DWG NO. WIND0077 | REV D |
| SCALE N.T.S. | DATE: 07/24/04 | SHEET 6 OF 8     |       |

| BILL OF MATERIAL |                 |  |                         |
|------------------|-----------------|--|-------------------------|
| NO.              | PART NO.        | DESCRIPTION  |                         |
| 1                | FH-01884        | 2 TRACK FRAME SILL PAN WS/NS BY KEYMARK                    | EXTRUDED ALUM. A6063-T6 |
| 2                | FS-01885        | 2 TRACK FRAME SILL INSERT WS BY KEYMARK                    | EXTRUDED ALUM. A6063-T6 |
| 3                | FH-02625        | 2-1/4" SILL RISER  | EXTRUDED ALUM. A6063-T6 |
| 4                |                 | PANEL ASSY. SCREW #8 X 1/4" PH TYPE FSS                    |                         |
| 5                | BF04122-1       | WEEP HOLE BAFFLE   |                         |
| 6                | FH-01869        | PANEL TOP & BOTTOM RAIL BY KEYMARK                         | EXTRUDED ALUM. A6063-T6 |
| 7                | FS-02643        | ROLLER BACK UP BY KEYMARK                                  | EXTRUDED ALUM. A6063-T6 |
| 8                | FF-01878        | 9/16" VERTICAL GLASS STOP BY KEYMARK                       | EXTRUDED ALUM. A6063-T6 |
| 9                | FH-01877        | 9/16" HORIZONTAL GLASS STOP BY KEYMARK                     | EXTRUDED ALUM. A6063-T5 |
| 10               | 1988-9000       | TANDEM ROLLER  |                         |
| 11               | NSB 3/16-3/4-2  | GLASS SETTING BLOCK  |                         |
| 12               | TP870           | IMPACT GLASS STOP VINYL SEAL                               |                         |
| 13               | FH-02813        | 3" SILL RISER BY KEYMARK                                   | EXTRUDED ALUM. A6063-T6 |
| 14               | FS-02208        | FRAME SILL COVER BY KEYMARK                                | EXTRUDED ALUM. A6063-T6 |
| 15               | W33351NK000     | TOP, BOTTOM RAIL, HEAD & SILL COVER<br>FINSEAL .187 X .350 |                         |
| 16               | FS-01879        | 1" HORIZONTAL GLASS STOP BY KEYMARK                        | EXTRUDED ALUM. A6063-T6 |
| 17               | FS-01880        | 1" VERTICAL GLASS STOP BY KEYMARK                          | EXTRUDED ALUM. A6063-T6 |
| 18               |                 | #8 X 1/4 PH SILL PAN SCREW                                 |                         |
| 19               | FS-01845        | 2 TRACK FRAME JAMB WS/NS BY KEYMARK                        | EXTRUDED ALUM. A6063-T6 |
| 20               | FS-01883        | FRAME JAMB INSERT BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 21               | FH-01871        | PANEL LOCK STILE BY KEYMARK                                | EXTRUDED ALUM. A6063-T6 |
| 22               | W32211NK000     | LOCK STILE FINSEAL .187 X .220                             | EXTRUDED ALUM. A6063-T6 |
| 23               | FH-02491        | PANEL INTERLOCK STILE                                      | EXTRUDED ALUM. A6063-T6 |
| 24               | TP876           | INTERLOCK BUMPERS  |                         |
| 25               | W33221NK000     | INTERLOCK FINSEAL .187 X .220                              |                         |
| 26               | FH-02165        | FEMALE BUTT STILE BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 27               | 1414            | OLYMPUS HANDLE SET   |                         |
| 28               | 2468            | DUAL POINT MORTISE LOCK W/KEEPER                           |                         |
| 29               | 2470            | MORTISE LOCK THUMB TURN                                    |                         |
| 30               | FS-01846        | 2 TRACK FRAME HEAD WS/NS BY KEYMARK                        | EXTRUDED ALUM. A6063-T6 |
| 31               | FS-01882        | FRAME HEAD INSERT BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 32               | FS-02650        | SCREEN ASTRAGAL BY KEYMARK                                 | EXTRUDED ALUM. A6063-T6 |
| 33               | FS-02210        | FRAME HEAD COVER BY KEYMARK                                | EXTRUDED ALUM. A6063-T6 |
| 34               | NRAHP           | PANEL HEIGHT ADJUSTMENT HOLE PLUGS                         |                         |
| 35               |                 | PANEL ASSY. SCREW #10 X 1-1/4" PH TYPE FSS                 |                         |
| 36               |                 | FRAME ASSY. SCREW #8 X 5/8" PH TYPE FSS                    |                         |
| 37               |                 | ROLLER INST. SCREW #8 X 5/8" PH TYPE FSS                   |                         |
| 38               | GLAZING SEALANT | SIKA 552 SEALANT   |                         |
| 39               | FH-02641        | REINFORCING BAR ( FULL LENGTH) BY KEYMARK                  | EXTRUDED ALUM. A6063-T6 |
| 40               | FS-02629        | 1-1/2" SILL RISER BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 41               | FH-02626        | 3-1/2" SILL RISER BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 42               | FH-02939        | 4-1/4" SILL RISER BY KEYMARK                               | EXTRUDED ALUM. A6063-T6 |
| 43               | FH-02300        | SCREEN TOP & BOTTOM RAIL BY KEYMARK                        | EXTRUDED ALUM. A6063-T6 |
| 44               | FH-02395        | SCREEN STILE BY KEYMARK                                    | EXTRUDED ALUM. A6063-T6 |
| 45               | FH-02209        | SCREEN INTERLOCK SWEEP BY KEYMARK                          |                         |
| 46               | W13131NK        | SCREEN FINSEAL .187 X .130                                 |                         |
| 47               |                 | SCREEN ASSY. SCREW #8 X 5/8 PH TYPE F                      |                         |

| BILL OF MATERIAL |                  |  |
|------------------|------------------|--|
| NO.              | PART NO.         | DESCRIPTION  |
| 48               | TP-055.175 SSS   | SCREEN SPLINE  |
| 49               |                  | SCREEN CLOTH   |
| 50               | SGD-205 CH       | SCREEN FLUSH LOCK W/KEEPER & SCREWS  |
| 51               | PCT300 WHYC      | SCREEN DUMMY LOCK PULL   |
| 52               | FS-02726         | FRAME JAMB STILE INSERT BY KEYMARK A6063-T6  |
| 53               | VPP8B            | GLAZING TAPE 1/4" X 3/8"   |
| 54               | NRAHP            | PANEL HEIGHT ADJUSTMENT PLUGS  |
| 55               |                  | SCREEN ROLLER INSTALLATION SCREWS #8 X 3/4 PH TYPE F   |
| 56               | PJS 7623-09-SS-N | SCREEN ROLLER  |
| 57               | W23401NK         | WEATHER STRIPPING .187 X .400  |
| 58               | NPC              | NYLON PANEL GUIDE  |
| 59               | GLAZING TYPE B   | 1" TEMPERED INSULATED GLASS CONSISTING OF: 7/16" TEMPERED LAMINATED (EXT); 3/16" TEMP. + .060" SAFLEX PVB BY SOLUTIA + 3/16" TEMP. + 3/8" AIR SPACE + 3/16" TEMP. (INTERIOR LITE)  |
| 60               | GLAZING TYPE D   | 1" TEMPERED INSULATED GLASS CONSISTING OF: 7/16" TEMPERED LAMINATED (EXT); 3/16" TEMP. + .060" BUTACITE PVB BY DUPONT + 3/16" TEMP. + 3/8" AIR SPACE + 3/16" TEMP. (INTERIOR LITE) |
| 61               | GLAZING TYPE F   | 1" TEMPERED INSULATED GLASS CONSISTING OF: 7/16" TEMPERED LAMINATED (EXT); 3/16" TEMP. + .090" BUTACITE PVB BY DUPONT + 3/16" TEMP. + 3/8" AIR SPACE + 3/16" TEMP. (INTERIOR LITE) |
| 62               | GLAZING TYPE A   | 9/16" O.A.: 1/4" H.S.; .060" SAFLEX PVB BY SOLUTIA; 1/4" H.S.  |
| 63               | GLAZING TYPE C   | 9/16" O.A.: 1/4" H.S.; .060" BUTACITE PVB BY DUPONT; 1/4" H.S.   |
| 64               | GLAZING TYPE E   | 9/16" O.A.: 1/4" H.S.; .090" BUTACITE PVB BY DUPONT; 1/4" H.S.   |
| 65               |                  | 1/4" DIA. ELCO CRETE-FLEX SS4 TAPCON W/1 1/4" MIN. EMB.  |
| 66               | P7569AM          | #14 WOOD SCREW W/1 1/2" MIN. EMBEDMENT   |
| 67               |                  | SILICONE CAULK   |
| 68               |                  | .75" HIGH X 1.5" X 2.25" DUAL FINNED DUST PAD  |
| 69               |                  | PVB PANEL Z-CLIP   |
| 70               |                  | #10 X 1/2" TEK SCREW   |
| 71               |                  | #10 X 1/2 SMS  |

**PRODUCT REVISED**  
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Building Code  
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Expiration Date May 12, 2010  
By Isaac L. Chanda  
Miami Dade Product Control  
Division

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| REVISIONS |     |   |          |     |

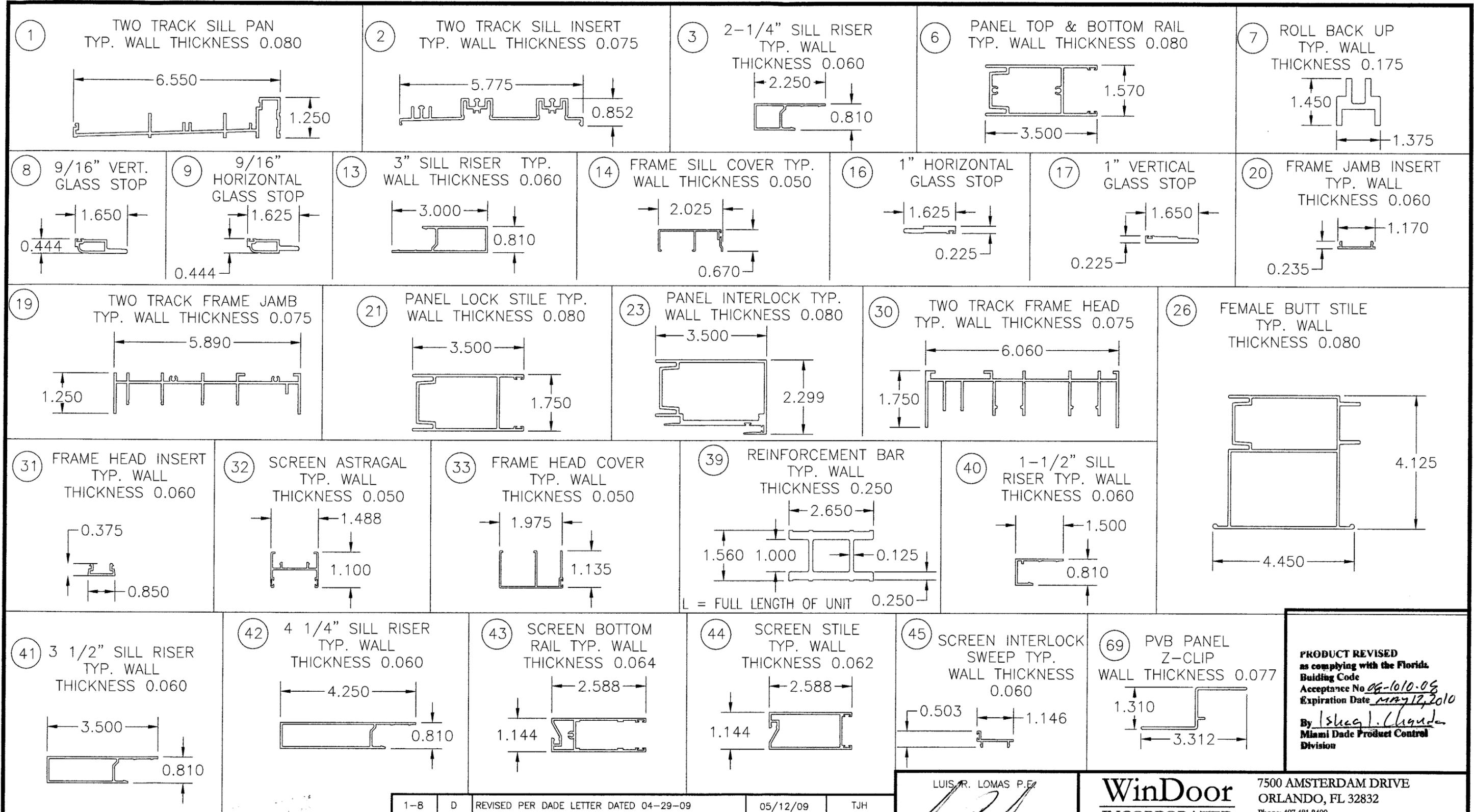
LUIS R. LOMAS P.E.  
  
6/24/09  
FLORIDA REGISTRATION  
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Dwg Title: SERIES 8000 SGD SMALL MISSILE  
GLAZING DETAILS

|      |         |          |     |
|------|---------|----------|-----|
| SIZE | Drn By: | DWG NO.  | REV |
| B    | BB      | WIND0077 | D   |

SCALE N.T.S. DATE: 07/24/04 SHEET 7 OF 8



**PRODUCT REVISED**  
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 Building Code  
 Acceptance No 06-1010-05  
 Expiration Date May 12, 2010  
 By Isaac L. Aguado  
 Miami Dade Product Control  
 Division

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| REVISIONS |     |   |          |     |

LUIS R. LOMAS P.E.  
*Luis R. Lomas*  
 6/24/09  
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Dwg Title: SERIES 8000 SGD SMALL MISSILE COMPONENTS

|      |         |          |     |
|------|---------|----------|-----|
| SIZE | Drn By: | DWG NO.  | REV |
| B    | BB      | WIND0077 | D   |

SCALE N.T.S. DATE: 07/24/04 SHEET 8 OF 8