



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) 372-6339

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

**NOTICE OF ACCEPTANCE (NOA)**

TRACO Security Windows & Doors, Inc.  
71 Progress Avenue  
Cranberry Township, PA 16066-3596

**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 5758 Aluminum Fixed Window – S. M. I.**

**APPROVAL DOCUMENT:** Drawing No. 03-0810-113b, titled "Series 5758 Fixed Window Small Missile Impact Resistant", sheets 1 through 3 of 3, dated August 04, 2003 with revision 8 dated August 27, 2007, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name:

TRACO  
71 Progress Avenue

TRACO  
2304 Silverdale Road  
Johnson City, TN 37601

Security (TRACO)  
5100 N.W. 72<sup>nd</sup> Avenue  
Miami, FL 33166

Cranberry Township, PA 16066

and the following statement: "Miami-Dade County Product Control Approved".

**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 # 05-0729.04 and 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 **Jaime D. Gascon, P.E.**



J. Gascon  
9/12/07

NOA No 06-1121.12  
Expiration Date: December 15, 2011  
Approval Date: October 04, 2007  
Page 1

**TRACO Security Windows & Doors, Inc.**

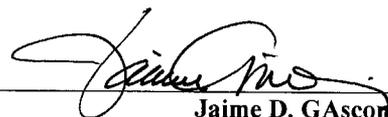
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-0810-113b**, titled "Series 5758 Fixed Window Small Missile Impact Resistant", sheets 1 through 3 of 3, dated August 04, 2003 with revision 8 dated August 27, 2007, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

**B. TESTS**

1. Test report on: 1) Small 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 fixed window, glazed with 1/4" tempered glass, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **FET T193-06**, dated August 24, 2007, signed and sealed by Daniel G. Farabaugh, P.E.
2. Test report 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  
along with marked-up drawings and installation diagram of an aluminum fixed window, glazed with 3/8" *Lexan*, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1792**, dated Aug. 8, 1997, signed and sealed by Gilbert Diamond, P.E.  
**"Submitted under NOA# 05-0729.04"**
3. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, glazed with 1/4" *Lexan*, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1801**, dated Aug. 28, 1997, signed and sealed by Gilbert Diamond, P.E.  
**"Submitted under NOA# 05-0729.04"**
4. Test report 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) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, glazed with 1/4" tempered glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1712**, dated June 23, 1997 and June 17, 1997, signed and sealed by Gilbert Diamond, P.E.  
**"Submitted under NOA# 05-0729.04"**

  
Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No 06-1121.12

Expiration Date: December 15, 2011  
Approval Date: October 04, 2007

**TRACO Security Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS** (continuous)

5. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Small Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window, glazed with 3/8" tempered glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1851**, dated Nov. 21, 1997, signed and sealed by Gilbert Diamond, P.E.  
**"Submitted under NOA# 05-0729.04"**
6. Test report on 1) Small 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 fixed window, prepared by American Test Lab of South Florida, Test Report No. **ATL-0608.01-00**, dated June 21, 2000, signed and sealed by William R. Mehner, P.E.  
**"Submitted under NOA# 05-0729.04"**

**C. CALCULATIONS**

1. Revised Anchor Calculations, and structural analysis complying with FBC-2004, dated 06/20/05 and revised on 07/06/05, prepared by Frank L. Bennardo, P.E. Consulting Engineers, signed and sealed by Frank L. Bennardo, P.E.  
**Complies with ASTM E1300-98/02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

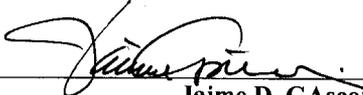
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours Nemours & CO., Inc. for "**DuPont Butacite PVB. Interlayer.**" dated January 05, 2006, expiring on December 11, 2010.

**F. STATEMENTS**

1. Statement letter of Compliance and "No Financial Interest", dated 07/01/05, signed and sealed by Frank L. Bennardo, P.E.
2. Testing Program Letter by TRACO/ Security Windows and Doors signed by Michael LaFevre, Senior Design Engineer  
**"Submitted under NOA# 05-0729.04"**

**G. OTHER**

1. Notice of Acceptance No. **05-0729.04** Traco Windows & Doors, Inc., "Series 5758 Aluminum Fixed Window – S.M.I.", approved on 08/05/05 and expiring on 12/15/11.

  
\_\_\_\_\_  
Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No 06-1121.12

Expiration Date: December 15, 2011  
Approval Date: October 04, 2007

# SERIES 5758 FIXED WINDOW

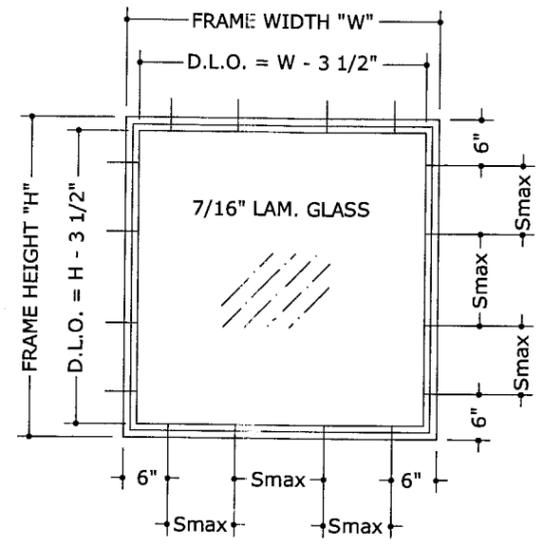
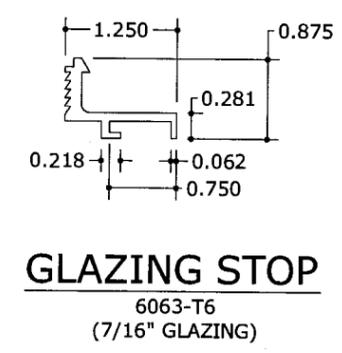
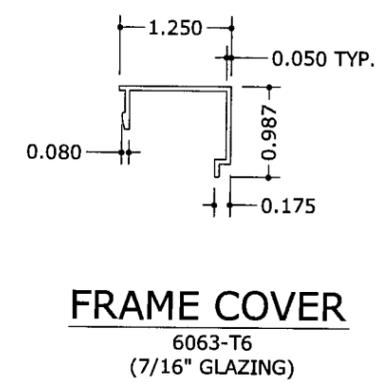
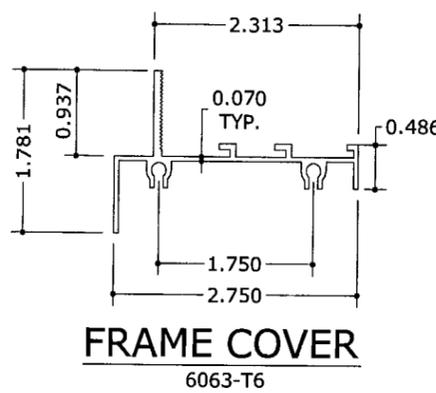
## SMALL MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.  
# PE0046549

08/31/2007

**ENGINEERING EXPRESS®**  
160 SW 12th AVENUE, # 106  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 Fax: (954) 354-0443  
WWW.ENGENEXP.COM  
CERT OF AUTH #0985  
A FRANK L. BENNARDO, P.E., INC. INNOVATION

F:\01 Project Files\Traco (TRA)\2003 Jobs\03-0810b-113 + 03-0810b-113 Traco 5758 Fixed Window, Small Missile (03-0810b-113) rev4.6.dwg



**ANCHORS:**

1. FIRST ANCHOR AT 6" FROM CORNERS.
2. ALL OTHER INTERMEDIATE ANCHORS SPACED AT MAXIMUM ANCHOR SPACING ("Smax") SPECIFIED FOR EACH RESPECTIVE SIZE IN DESIGN LOAD CAPACITY TABLES (REF SHEET 3). LIMIT Smax TO 7½" O.C. FOR HEADS/SILLS. LIMIT Smax TO 8½" O.C. FOR JAMBS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 06-112112  
Expiration Date 12/15/2012  
By *[Signature]*  
Miami Dade Product Control  
Division

**GENERAL NOTES:**

1. THE FIXED (i.e. NON-OPERABLE) WINDOW SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE 2004 FLORIDA BUILDING CODE (SUPPLEMENT 2006), HIGH VELOCITY HURRICANE ZONES, AND MIAMI-DADE COUNTY PROTOCOLS TAS 201, 202 & 203.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS DOOR SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE WINDOW SYSTEM DETAILED HEREIN HAS BEEN TESTED PER MIAMI-DADE COUNTY PROTOCOLS TAS-201, TAS-202, & TAS-203 AS REFERENCED IN TEST REPORTS BY FENESTRATION TESTING LABORATORIES (FTL) AND FARABAUGH ENGINEERING & TESTING, INC (FET). MULTIPLE WINDOW UNITS MUST BE INSTALLED USING MIAMI-DADE COUNTY BCCO-APPROVED STRUCTURAL MULLIONS (e.g. NOA #01-1218.01 OR #01-1218.02).
5. THE WINDOW SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (NOT BY TRACO) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO
8. WINDOW PANELS GLAZED WITH 7/16" LAMINATED GLASS ARE SMALL MISSILE IMPACT RESISTANT AND SHALL BE PROTECTED WITH MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS FOR INSTALLATIONS UP TO 30 FEET ABOVE GRADE. NO PROTECTION REQUIRED FOR INSTALLATIONS WITH 7/16" LAMINATED GLAZING ABOVE 30 FEET ABOVE GRADE.
9. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.
10. LOAD BEARING SHIMS IN CONTACT WITH ANY STRUCTURAL SUBSTRATE SHALL BE USED AS PER FBC 2004 (SUPPLEMENT 2006), SECTION 1714.5.4.2 & SECTION 1714.5.4.3.

**GLAZING:**

THIS N.O.A. QUALIFIES WINDOWS FOR THE FOLLOWING CONDITIONS:  
  
7/16" OVERALL  
LAMINATED GLASS (SMALL MISSILE IMPACT RESISTANT)

RECEIVED  
2007 SEP -8 PM 1:36  
ADMINISTRATIVE DIVISION

71 Progress Avenue,  
Cranberry Township, PA 16166  
Tel: (724) 776-7000

**TRACO**  
Windows & Doors Inc.

SERIES 5758 FIXED WINDOW  
SMALL MISSILE IMPACT RESISTANT

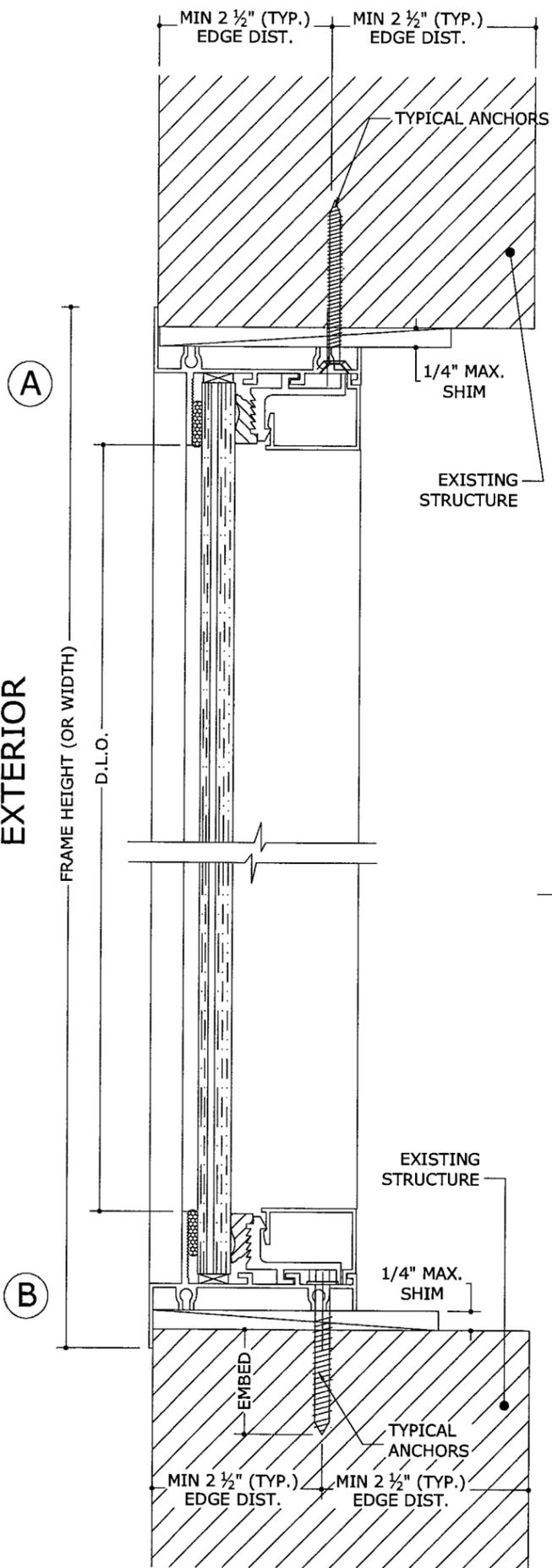
| REMARKS                 | DRWN | CHKD | DATE     |
|-------------------------|------|------|----------|
| REV 7 - COUNTY COMMENTS | CL   | CL   | 06/29/07 |
| REV 8 - BCCO COMMENTS   | MEH  | CL   | 8/27/07  |
| REV 2 - ANCHOR SPACING  | CL   | FLB  | 06/11/04 |
| REV 3 - 2004 FBC        | CL   | FLB  | 06/20/05 |
| REV 4 - COUNTY COMMENT  | AML  | FLB  | 09/25/05 |
| REV 6 - GE SILICONE     | KL   | CL   | 10/25/06 |

**03-0810-113b**

PAGE SCALE:  
DESCRIPTION:

08/31/2007 - 10:31am clangley F:\01 Project Files\Traco (TRA)\2003 Jobs\03-0810a-113 + 03-0810b-113 Traco 5758 Fixed Window, Small Missile (NOAs)\Traco 5758 Fixed Window, Small Missile (03-0810b-113) rev4.6.dwg

EXTERIOR



WOOD BUCKS NOT BY TRACO SECURITY WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHOR NOTES:**

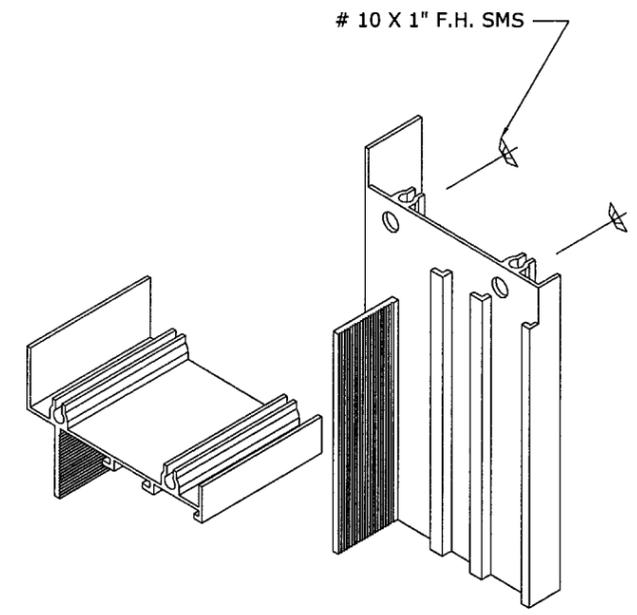
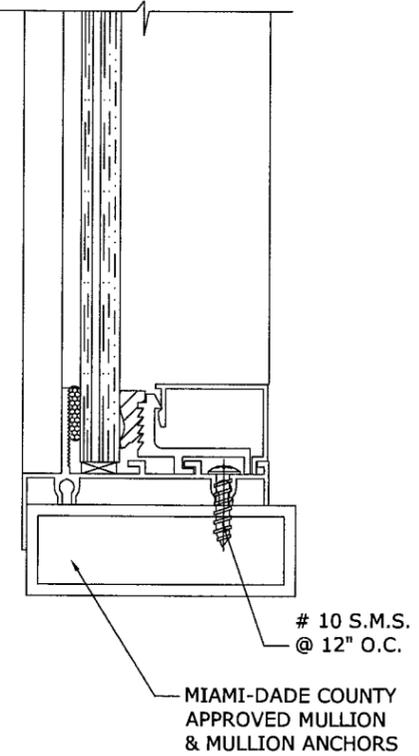
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. ANCHOR EMBEDMENT SHALL BE INTO BASE MATERIAL, EXCLUDING STUCCO OR OTHER WALL FINISH.
3. BASE MATERIAL SHALL BE WOOD (G=0.55 OR GREATER SPECIFIC GRAVITY), MASONRY (MIN. 1500 psi MASONRY STRENGTH), OR CONCRETE (MIN. 3000 psi).
4. SEE TYPICAL ELEVATIONS ON SHEET 1 FOR ANCHOR LOCATIONS AND SPACING.

**TYPICAL ANCHORS:**

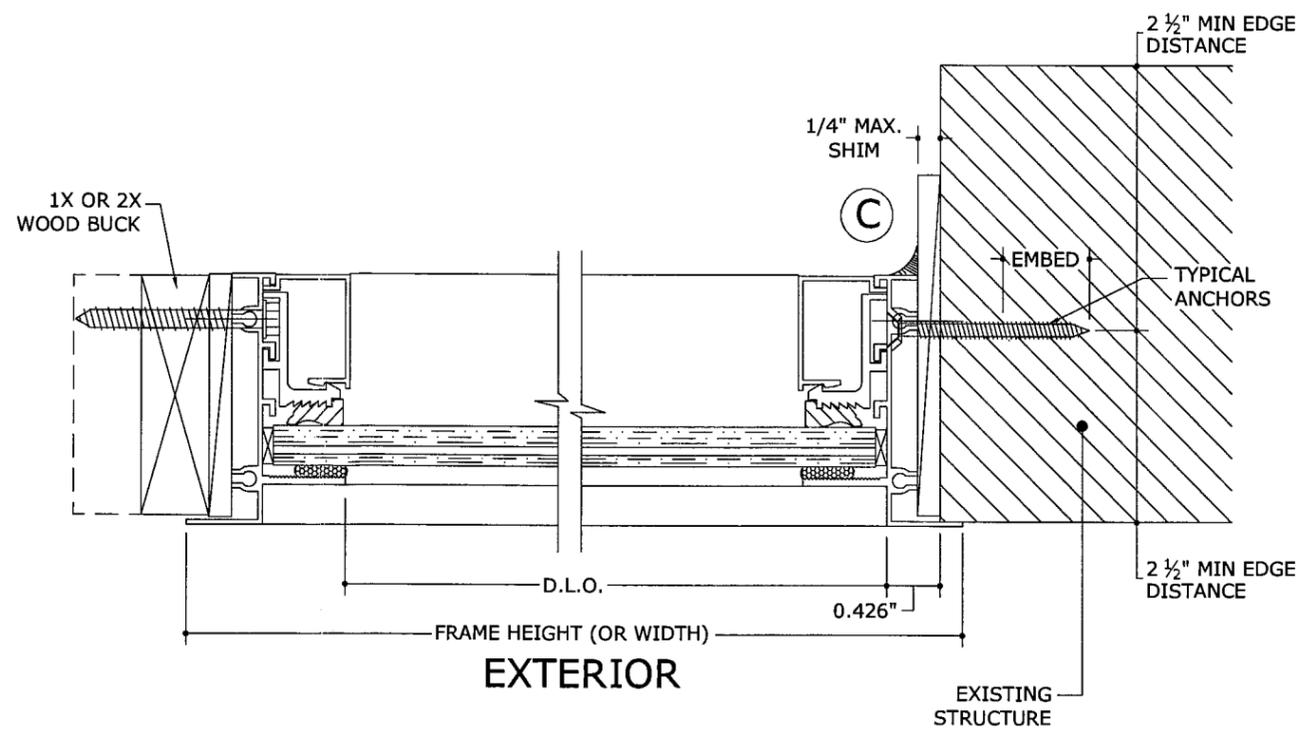
3/16" TAPCONS INTO WOOD, 1-3/8" MIN. EMBED.  
 1/4" TAPCONS INTO WOOD, 1-3/4" MIN. EMBED.  
 3/16" OR 1/4" TAPCONS THRU 1BY OR 2BY BUCKS, 1-1/4" MIN. EMBED. INTO MASONRY (MIN. 1500 psi) OR CONCRETE (MIN. 3000 psi)

**SEALANTS:**

FRAME CORNERS SEALED WITH SCHNEE MOREHEAD # 5504 SEALANT.  
 FRAME SILL INSTALLATION SCREW HEADS SEALED WITH GE-SC 5100 SILICONE.



**TYPICAL CORNER CONSTRUCTION**



SETTING BLOCKS REQUIRED ONLY ON GLASS WIDTHS OF MORE THAN 36 IN.

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No 06-1121.12  
 Expiration Date 12/15/2012  
 By *[Signature]*  
 Miami Dade Product Control Division

FRANK L. BENNARDO, P.E. # PE0046549

08/31/2007

**ENGINEERING EXPRESS**  
 160 SW 12th AVENUE, # 106  
 DEERFIELD BEACH, FL 33442  
 PH: (954) 354-0660 FAX: (954) 354-0443  
 WWW.ENGEXP.COM  
 CERT OF AUTH #9885  
 A FRANK L. BENNARDO, P.E., INC. INNOVATION

71 Progress Avenue  
 Cranberry Township, PA 16166  
 Tel. (724) 776-7000  
**TRACO**  
 Windows & Doors Inc.  
 SERIES 5758 FIXED WINDOW  
 SMALL MISSILE IMPACT RESISTANT

| REMARKS                 | DRWN | CHKD | DATE     |
|-------------------------|------|------|----------|
| REV 7 - COUNTY COMMENTS | CTS  | CL   | 06/29/07 |
| REV 8 - BCCO COMMENTS   | MEH  | CL   | 8/27/07  |
| REV 2 - ANCHOR SPACING  | CL   | FLB  | 06/11/04 |
| REV 3 - 2004 FBC        | CL   | FLB  | 06/20/05 |
| REV 4 - COUNTY COMMENT  | AML  | FLB  | 08/25/05 |
| REV 6 - GE SILICONE     | KL   | CL   | 10/25/06 |

03-0810-113b

PAGE SCALE:  
 DESCRIPTION:

08/31/2007 - 10:31am clangley F:\01 Project Files\Traco (TRA)\2003 Jobs\03-08 10a-113 + 03-08 10b-113 Traco 5758 Fixed, NI + SMI (NOAs)\Traco 5758 Fixed Window, Small Missile (03-08 10a-113) rev4.5.dwg

**TABLE ①**

| SMALL MISSILE IMPACT RESISTANT WINDOWS<br>SHUTTERS NOT REQ'D FOR INSTALLATION ABOVE 30 FT. OF GRADE |         |  |                                   |       |                  |                                  |       |       |
|---|---------|--|-----------------------------------|-------|------------------|----------------------------------|-------|-------|
| WINDOW DIMENSIONS 1   |         | DESIGN LOAD CAPACITY - PSF                     |                                   |       |                  |                                  |       |       |
|   |         | ANCHOR SPACING 2                               | 7/16" LAM. GLASS<br>3/16" ANCHORS |       | ANCHOR SPACING 2 | 7/16" LAM. GLASS<br>1/4" ANCHORS |       |       |
|   |         |  | POS                               | NEG   |                  | POS                              | NEG   |       |
| DIM 'A'   | DIM 'B' |  |                                   |       |                  |                                  |       |       |
| 24"   | 24"     | 7-1/2" O.C. @ HEAD/SILL<br>8-1/2" O.C. @ JAMBS |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 48"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 60"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 72"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 24"   | 36"     | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 117.6 | 117.6 |
| 48"   |         |  |                                   | 120.0 | 120.0            |                                  | 117.6 | 117.6 |
| 60"   |         |  |                                   | 120.0 | 120.0            |                                  | 117.6 | 117.6 |
| 72"   |         |  |                                   | 120.0 | 120.0            |                                  | 117.6 | 117.6 |
| 24"   | 48"     | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 48"   |         |  |                                   | 99.0  | 99.0             |                                  | 120.0 | 120.0 |
| 60"   |         |  |                                   | 99.0  | 99.0             |                                  | 120.0 | 120.0 |
| 72"   |         |  |                                   | 99.0  | 99.0             |                                  | 120.0 | 120.0 |
| 24"   | 60"     | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 48"   |         |  |                                   | 99.0  | 99.0             |                                  | 120.0 | 120.0 |
| 60"   |         |  |                                   | 79.2  | 79.2             |                                  | 117.6 | 117.6 |
| 72"   |         |  |                                   | 79.2  | 79.2             |                                  | 117.6 | 117.6 |
| 24"   | 72"     | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 98.0  | 98.0  |
| 48"   |         |  |                                   | 99.0  | 99.0             |                                  | 73.5  | 73.5  |
| 60"   |         |  |                                   | 79.2  | 79.2             |                                  | 58.8  | 58.8  |
| 72"   |         |  |                                   | 66.0  | 66.0             |                                  | 49.0  | 49.0  |
| 24"   | 84"     | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 98.0  | 98.0  |
| 48"   |         |  |                                   | 99.0  | 99.0             |                                  | 73.5  | 73.5  |
| 60"   |         |  |                                   | 79.2  | 79.2             |                                  | 58.8  | 58.8  |
| 72"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 24"   | 108"    | 6" O.C.  |                                   | 120.0 | 120.0            |                                  | 98.0  | 98.0  |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 73.5  | 73.5  |
| 48"   |         |  |                                   | 99.0  | 99.0             |                                  | 120.0 | 120.0 |
| 60"   |         |  |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 72"   |         |  |                                   | 120.0 | 120.0            |                                  | 98.0  | 98.0  |
| 24"   | 120"    | 6"   |                                   | 120.0 | 120.0            |                                  | 120.0 | 120.0 |
| 36"   |         |  |                                   | 120.0 | 120.0            |                                  | 98.0  | 98.0  |

**DESIGN LOAD CAPACITY TABLE NOTES:**

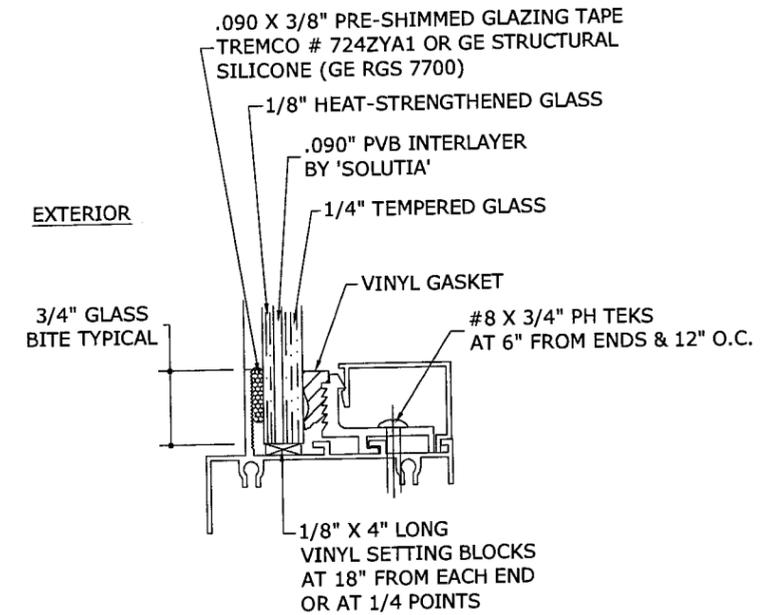
- IF DIM 'A' = WINDOW WIDTH, THEN DIM 'B' = WINDOW HEIGHT.
- "ANCHOR SPACING" DESIGNATES MAXIMUM ANCHOR SPACING ("Smax") TO HOST STRUCTURE (REF TYPICAL ELEVATION SHEET 1).

**TABLE ②**

| SMALL MISSILE IMPACT RESISTANT WINDOWS<br>SHUTTERS NOT REQ'D FOR INSTALLATION ABOVE 30 FT. OF GRADE |         |  |                                   |  |                  |                                  |       |       |
|---|---------|--|-----------------------------------|--|------------------|----------------------------------|-------|-------|
| WINDOW DIMENSIONS 1   |         | DESIGN LOAD CAPACITY - PSF                     |                                   |  |                  |                                  |       |       |
|   |         | ANCHOR SPACING 2                               | 7/16" LAM. GLASS<br>3/16" ANCHORS |  | ANCHOR SPACING 2 | 7/16" LAM. GLASS<br>1/4" ANCHORS |       |       |
|   |         |  | POS                               | NEG  |                  | POS                              | NEG   |       |
| DIM 'A'   | DIM 'B' |  |                                   |  |                  |                                  |       |       |
| 19-1/8"   | 26"     | 7-1/2" O.C. @ HEAD/SILL<br>8-1/2" O.C. @ JAMBS |                                   | 120.0  | 120.0            |                                  | 120.0 | 120.0 |
| 26-1/2"   |         |  |                                   | 120.0  | 120.0            |                                  | 120.0 | 120.0 |
| 37"   |         |  |                                   | 120.0  | 120.0            |                                  | 120.0 | 120.0 |
| 53-1/8"   |         |  |                                   | 120.0  | 120.0            |                                  | 120.0 | 120.0 |
| 19-1/8"   |         |  | 38-3/8"                           | 7-1/2" O.C. @ HEAD/SILL<br>8-1/2" O.C. @ JAMBS |                  | 120.0                            | 120.0 |       |
| 26-1/2"   |         | 119.6  |                                   |  | 119.6            |                                  | 120.0 | 120.0 |
| 37"   |         | 85.6   |                                   |  | 85.6             |                                  | 120.0 | 120.0 |
| 53-1/8"   |         | 82.6   |                                   |  | 82.6             |                                  | 120.0 | 120.0 |
| 19-1/8"   | 50-5/8" | 6" O.C.  |                                   |  |                  | 120.0                            | 120.0 |       |
| 26-1/2"   |         |  |                                   | 119.6  | 119.6            |                                  | 120.0 | 120.0 |
| 37"   |         |  |                                   | 110.1  | 110.1            |                                  | 120.0 | 120.0 |
| 53-1/8"   |         |  |                                   | 93.9   | 93.9             |                                  | 119.5 | 119.5 |
| 19-1/8"   |         |  | 57"                               | 6" O.C.  |                  | 120.0                            | 120.0 |       |
| 26-1/2"   |         | 119.6  |                                   |  | 119.6            |                                  | 120.0 | 120.0 |
| 37"   |         | 110.1  |                                   |  | 110.1            |                                  | 120.0 | 120.0 |
| 53-1/8"   |         | 89.5   |                                   |  | 89.5             |                                  | 113.8 | 113.8 |
| 19-1/8"   | 63"     | 6" O.C.  |                                   |  |                  | 120.0                            | 120.0 |       |
| 26-1/2"   |         |  |                                   | 119.6  | 119.6            |                                  | 120.0 | 120.0 |
| 37"   |         |  |                                   | 110.1  | 110.1            |                                  | 120.0 | 120.0 |
| 53-1/8"   |         |  |                                   | 89.5   | 89.5             |                                  | 113.8 | 113.8 |
| 19-1/8"   |         |  | 74-1/4"                           | 6" O.C.  |                  | 120.0                            | 120.0 |       |
| 26-1/2"   |         | 119.6  |                                   |  | 119.6            |                                  | 120.0 | 120.0 |
| 37"   |         | 110.1  |                                   |  | 110.1            |                                  | 120.0 | 120.0 |
| 53-1/8"   |         | 89.5   |                                   |  | 89.5             |                                  | 113.8 | 113.8 |

**SINGLE-LITE PICTURE WINDOW CHARTS:**

BASED ON ATL-0608.01 OF 06-21-00  
 TEST SIZE = 72" X 72"  
 TEST LOADS = +180.0, -180.0 PSF  
 DESIGN LOADS = +120.0, -120.0 PSF  
 TESTED GLAZING = 7/16" OVERALL LAMINATED



7/16" OVERALL LAMINATED GLASS  
 LAMINATED BY CARDINAL  
**GLAZING DETAIL**  
 SMALL MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.  
 # PE0046549

08/31/2007

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 SERIES 5758 FIXED WINDOW  
 SMALL MISSILE IMPACT RESISTANT

| REMARKS                    | DRWN | CHKD | DATE     |
|----------------------------|------|------|----------|
| INIT ISSUE                 | CL   | FLB  | 08/04/03 |
| REV 8 - BCCO COMMENTS      | MEH  | CL   | 8/27/07  |
| REV 2 - ANCHOR SPACING     | CL   | FLB  | 06/11/04 |
| REV 3 - 2004 FBC           | CL   | FLB  | 06/20/05 |
| REV 4 - COUNTY COMMENT AML | CL   | FLB  | 08/25/05 |
| REV 6 - GE SILICONE        | KL   | CL   | 10/25/06 |

03-0810-113b

PAGE SCALE:  
 DESCRIPTION:

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 06-1121.12  
 Expiration Date 12/15/2012

By *[Signature]*  
 Miami-Dade Product Control  
 Division