



**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)

**Traco Security Windows & Doors, Inc.
2304 Silverdale Road
Johnson City, TN 37601**

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

APPROVAL DOCUMENT: Drawing No. **03-0810a-113**, titled "Series 5758 Fixed Window Non-Impact Resistant", sheets 1 through 3 of 3, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 08/04/03 with revision "2" on 06/10/04, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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 # **01-1211.01** and consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

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



*mlg
7/14/04*

**NOA No 03-0812.01
Expiration Date: December 15, 2006
Approval Date: August 05, 2004
Page 1**

Traco Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. 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# 01-1211.01"

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 12/10/03 signed and sealed by Frank L. Bennardo, P.E.
2. Comparative analysis and anchor calculations, prepared by Al-Farooq Corporation, dated Nov. 24, 1997, revised on 11/12/98, signed and sealed by Humayoun Farooq, P.E.
"Submitted under NOA# 01-1211.01"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of Compliance, dated August 14, 2000, signed and sealed by H. Farooq, P.E.
"Submitted under NOA# 01-1211.01"
2. Statement letter of no financial interest, dated August 14, 2000, signed and sealed by H. Farooq, P.E.
"Submitted under NOA# 01-1211.01"
3. Testing Program Letter by TRACO/ Security Windows and Doors signed by Michael LaFevre, Senior Design Engineer
"Submitted under NOA# 01-1211.01"



For: Herminio F. Gonzalez, P.E.
Director, Product Control Division
NOA No 03-0812.01
Expiration Date: December 15, 2006
Approval Date: August 05, 2004

Traco Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **03-0810a-113**, titled "Series 5758 Fixed Window Non-Impact Resistant", sheets 1 through 3 of 3, prepared by Frank L. Bennardo, P.E. Consulting Engineer, dated 08/04/03, with revision "2" on 6/10/04, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. 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# 01-1211.01"

2. 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

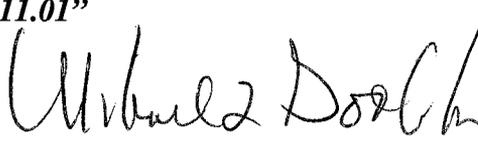
along with marked-up drawings and installation diagram of an aluminum fixed window, glazed with 1/4" Lexan, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1801**, dated Aug. 28, 1997, signed and sealed by Gilbert Diamond, P.E.

"Submitted under NOA# 01-1211.01"

3. 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# 01-1211.01"



FOR: Herminio F. Gonzalez, P.E.
Director, Product Control Division
NOA No 03-0812.01

Expiration Date: December 15, 2006

Approval Date: August 05, 2004

Traco Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Testing Program Letter by TRACO/ Security Windows and Doors signed by Michael LaFevre, Senior Design Engineer
"Submitted under NOA# 01-1211.01"
5. BCCO response letter to Testing Program dated on December 13, 1999, signed by Jaime Gascon, Product Control Inspector.
"Submitted under NOA# 01-1211.01"
6. Letter from Al-Farooq Corp., indicating what revisions have been done to the previous approval (# 99-0830.01), dated on 08/05/00, signed and sealed by H. Farooq, P.E.
"Submitted under NOA# 01-1211.01"
7. Statement letter of no financial interest, dated December 11, 2003, signed and sealed by Frank L. Bennardo, P.E.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **01-1211.01** Traco Windows & Doors, Inc., "Series 5758 Fixed Window Non-Impact Resistant", approved on 01/24/02 and expiring on 12/15/06.



FR: Herminio F. Gonzalez, P.E.
Director, Product Control Division
NOA No 03-0812.01
Expiration Date: December 15, 2006
Approval Date: August 05, 2004

SERIES 5758 FIXED WINDOW NON IMPACT RESISTANT

JUN 11 2004

FRANK L. BERNARDO, P.E.
FE0046548

FRANK L. BERNARDO, P.E.
CONSULTING ENGINEER
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL 33431
(561) 391-2888 FAX: (561) 391-2862
WWW.FLBENGINEERING.COM
EMAIL: FRANK@FLBENGINEERING.COM

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

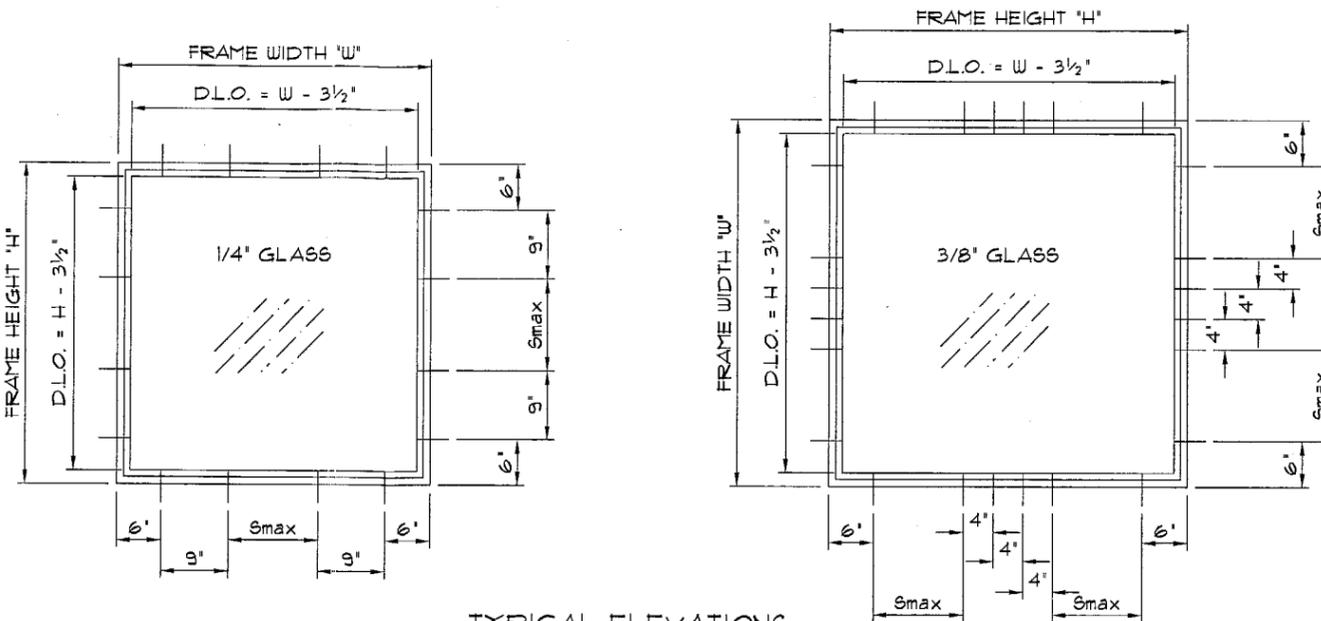
TRACO
Windows & Doors Inc.
SERIES 5758 FIXED WINDOW
NON IMPACT RESISTANT



REVISIONS	
DESCRIPTION	DATE
SMALL NON SPLIT	11/12/03
ANCHOR SPC'G	6/10/2004

SCALE: 1/2 (UNO)
DRAWN BY: CL
CHECKED BY: FLB
ORIG. DATE: 6/4/2003
DWG #: 03-0810a-113

SHEET:
1 OF 3



TYPICAL ELEVATIONS
SCALE 1/2" = 1"

ANCHORS:

- FIRST ANCHOR AT 6" FROM CORNERS.
- NEXT ANCHOR AT 9". ALL SIDES.
- ALL OTHER INTERMEDIATE ANCHORS SPACED AT MAXIMUM ANCHOR SPACING ('S_{max}') SPECIFIED FOR EACH RESPECTIVE SIZE IN DESIGN LOAD CAPACITY TABLES (REF SHEET 3).

ANCHORS:

- FIRST ANCHOR AT 6" FROM CORNERS.
- CLUSTER OF (4) AT 4" O.C. AT MIDSPAN ALL SIDES.
- ALL OTHER INTERMEDIATE ANCHORS SPACED AT MAXIMUM ANCHOR SPACING ('S_{max}') SPECIFIED FOR EACH RESPECTIVE SIZE IN DESIGN LOAD CAPACITY TABLES (REF SHEET 3).

GENERAL NOTES:

1. THE FIXED (i.e. NON-OPERABLE) WINDOW SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2001, HIGH VELOCITY HURRICANE ZONES, AND MIAMI-DADE COUNTY PROTOCOLS TAS 201, 202 & 203.
2. A 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS WINDOW SYSTEM.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS WINDOW SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN ASCE 7-98 IS USED TO DETERMINE DESIGN PRESSURES, A DIRECTIONALITY FACTOR K_d=1 IS REQUIRED.
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). MULTIPLE WINDOW UNITS MUST BE INSTALLED USING MIAMI-DADE COUNTY BCCO-APPROVED STRUCTURAL MULLIONS (e.g. NO.4 #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.

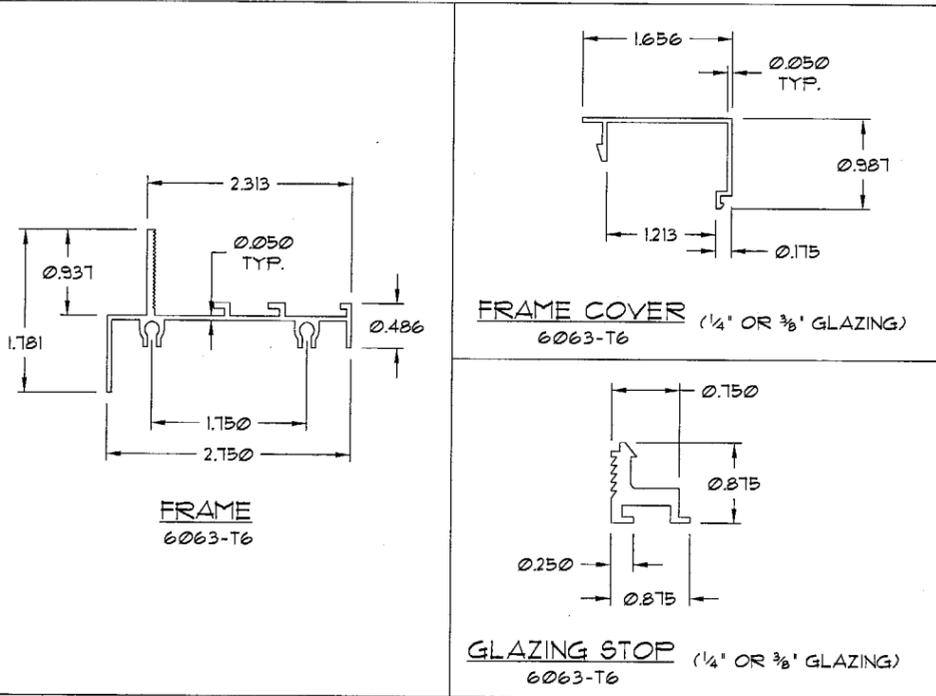
7. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO

8. WINDOW PANELS GLAZED WITH 1/4" AND 3/8" TEMPERED GLASS AND SHALL BE PROTECTED WITH MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS FOR ALL INSTALLATIONS.

9. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-0812.01
Expiration Date 12/15/06

By
Miami Dade Product Control
Division

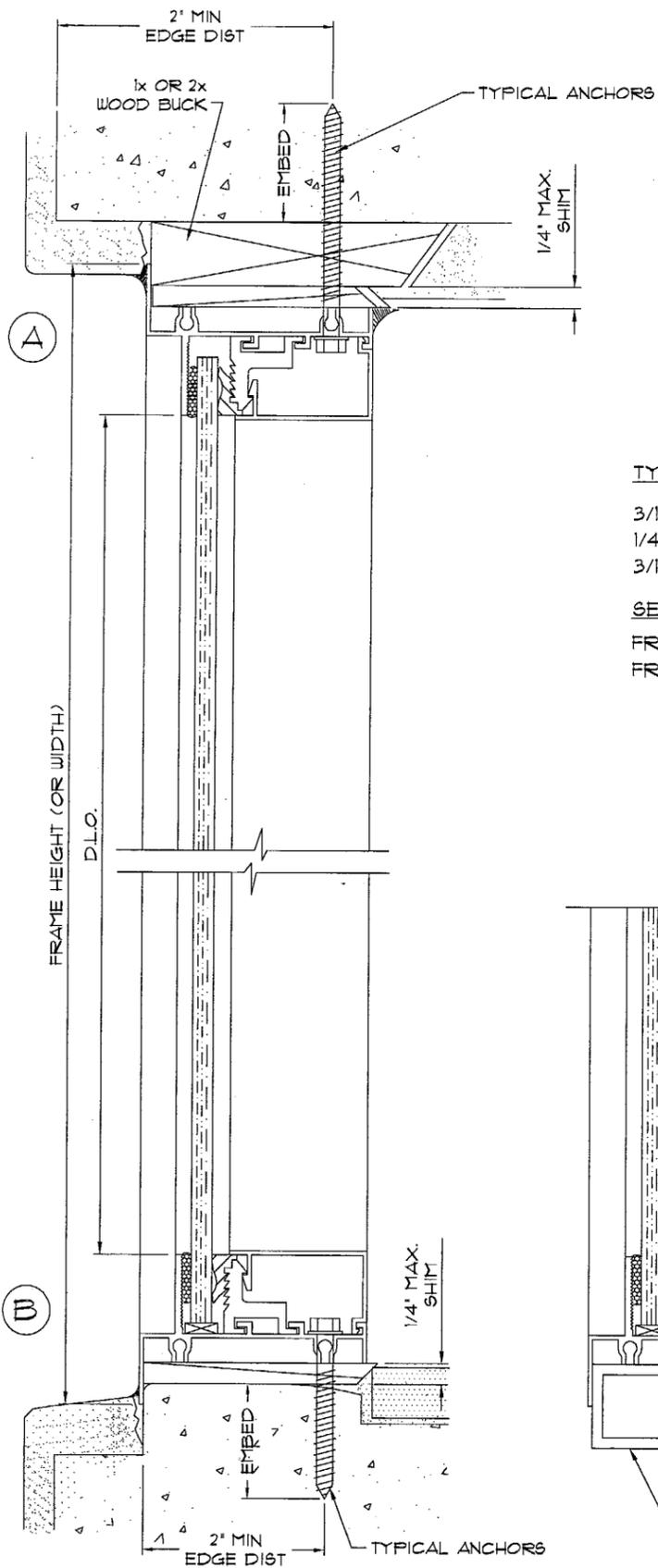


GLAZING:

THIS N.O.A. QUALIFIES WINDOWS FOR THE FOLLOWING CONDITIONS:

- 1/4" TEMPERED GLASS
 - 3/8" TEMPERED GLASS
- (NON IMPACT RESISTANT)

EXTERIOR



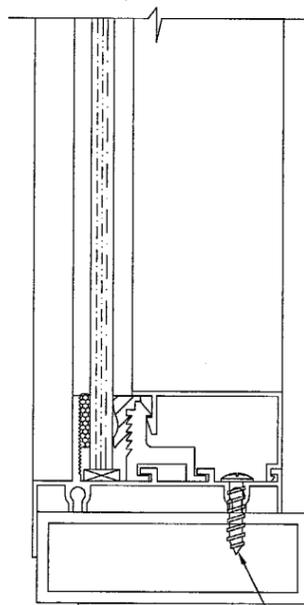
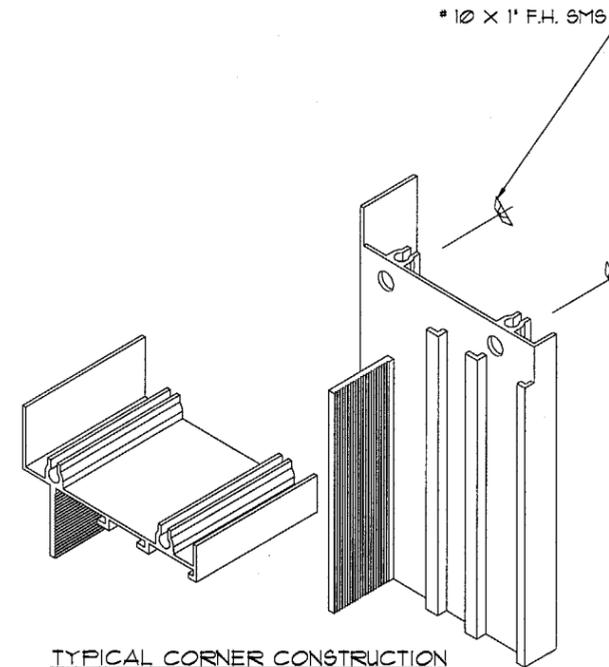
WOOD BUCKS NOT BY TRACO SECURITY WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:

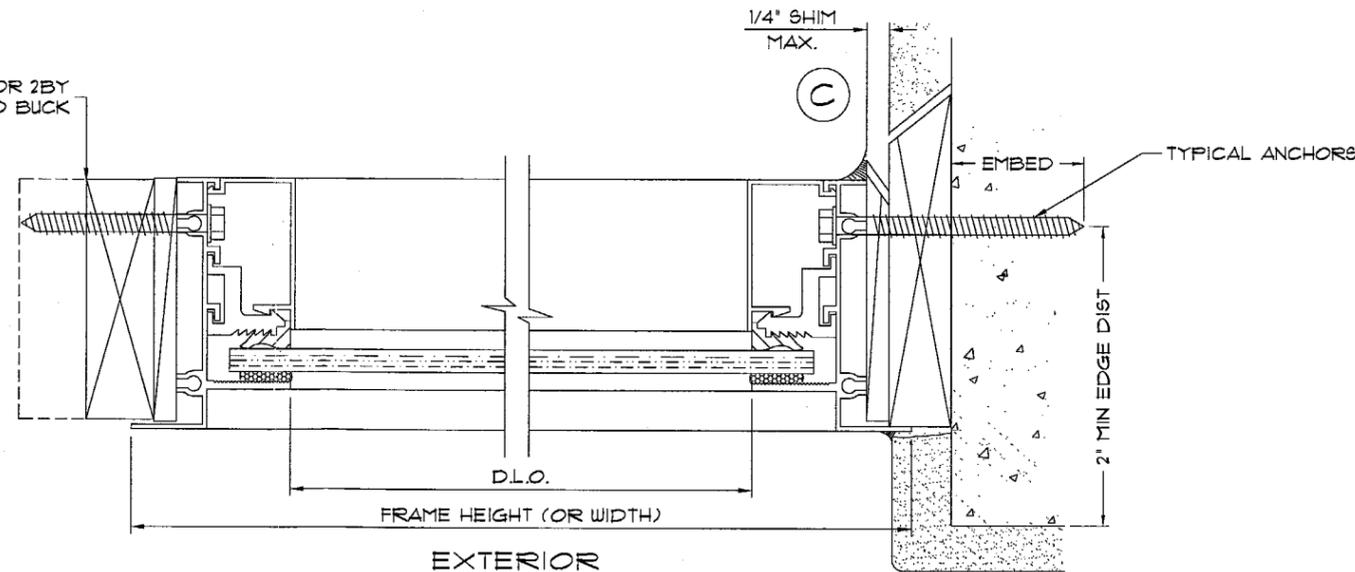
- 3/16" TAPCONS INTO WOOD, 1-3/8" MIN. EMBED.
- 1/4" TAPCONS INTO WOOD, 1-3/4" MIN. EMBED.
- 3/16" OR 1/4" TAPCONS THRU 1BY OR 2BY BUCKS, 1-1/4" MIN. MASONRY EMBED.

SEALANTS:

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



1BY OR 2BY WOOD BUCK



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

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 03-0812-01
 Expiration Date 12/15/06

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

JUN 11 2004

FRANK L. BENNARDO, P.E.
 CONSULTING ENGINEER
 4441 NORTH DIXIE HIGHWAY
 BOCA RATON, FL 33431
 (561) 391-2899 FAX: (561) 391-2862
 WWW.FLBENGINEERING.COM
 EMAIL: FRANK@FLBENGINEERING.COM

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 Cranberry Township, PA 16166
 Tel. (724) 776-7000

TRACO
 Windows & Doors Inc.
 SERIES 5758 FIXED WINDOW
 NON IMPACT RESISTANT



REVISIONS	
DESCRIPTION	DATE
SMALL NON SPLIT	11/17/2003
ANCHOR SPC'G	6/10/2004

SCALE: 1/2 (UNO.)
 DRAWN BY: JCL
 CHECKED BY: HLB
 ORIG DATE: 8/1/2003
 DWG #: 03-0812-13

SHEET:
 2 OF 3

TABLE ①

NON IMPACT RESISTANT WINDOWS SHUTTERS REQ'D FOR ALL INSTALLATIONS							
WINDOW DIMENSIONS 1		DESIGN LOAD CAPACITY - PSF					
		1/4" TEMP GLASS 3/16" ANCHORS		3/8" TEMP GLASS 1/4" ANCHORS			
		DIM 'A'	DIM 'B'	ANCHOR SPACING 2	ANCHOR SPACING 2		
24'	24'	11" O.C.	POS	NEG	12" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			120.0	120.0		133.3	170.0
60'			120.0	120.0		133.3	170.0
72'			120.0	120.0		133.3	170.0
24'	36'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			118.0	118.0		133.3	152.8
72'			118.0	118.0		133.3	152.8
24'	48'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		114.6	114.6
72'			88.5	88.5		114.6	114.6
24'	60'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		91.6	91.6
72'			70.8	70.8		91.6	91.6
24'	72'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		114.6	114.6
72'			70.8	70.8		91.7	91.7
24'	84'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		114.6	114.6
72'			70.8	70.8		91.7	91.7
24'	96'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		114.6	114.6
72'			70.8	70.8		91.7	91.7
24'	108'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0
48'			118.0	118.0		133.3	152.8
60'			88.5	88.5		114.6	114.6
72'			70.8	70.8		91.7	91.7
24'	120'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
36'			120.0	120.0		133.3	170.0

DESIGN LOAD CAPACITY TABLE NOTES:

- IF DIM 'A' = WINDOW WIDTH, THEN DIM 'B' = WINDOW HEIGHT, AND VICE-VERSA.
- 'ANCHOR SPACING' DESIGNATES MAXIMUM ANCHOR SPACING ('S_{max}') TO HOST STRUCTURE (REF TYPICAL ELEVATION SHEET 1).

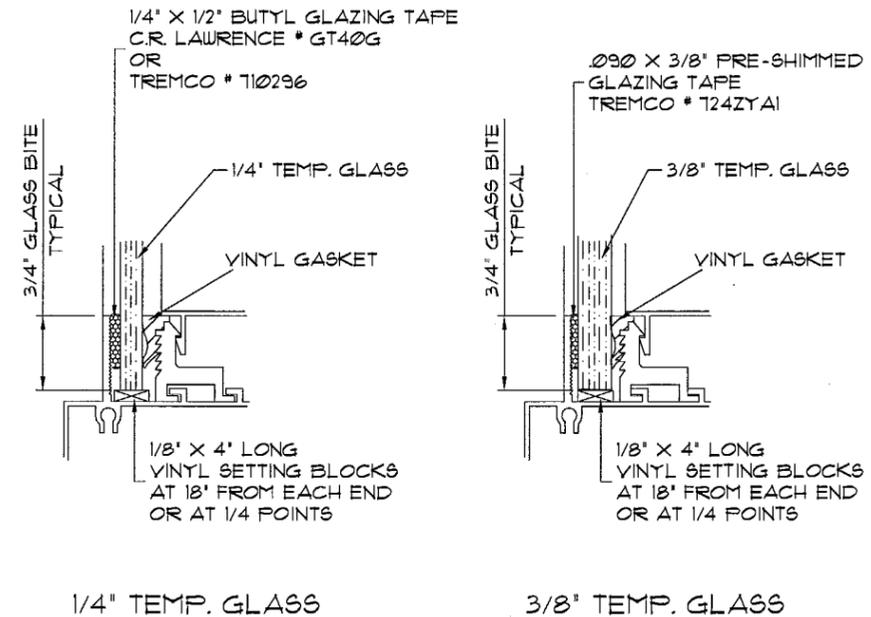
TABLE ②

NON IMPACT RESISTANT WINDOWS SHUTTERS REQ'D FOR ALL INSTALLATIONS							
WINDOW DIMENSIONS 1		DESIGN LOAD CAPACITY - PSF					
		1/4" TEMP GLASS 3/16" ANCHORS		3/8" TEMP GLASS 1/4" ANCHORS			
		DIM 'A'	DIM 'B'	ANCHOR SPACING 2	ANCHOR SPACING 2		
19-1/8'	26'	10" O.C.	POS	NEG	11" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			120.0	120.0		133.3	170.0
53-1/8'			120.0	120.0		133.3	170.0
19-1/8'			120.0	120.0		133.3	170.0
19-1/8'	38-3/8'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			114.8	114.8		133.3	170.0
53-1/8'			110.7	110.7		133.3	170.0
19-1/8'			120.0	120.0		133.3	170.0
19-1/8'	50-5/8'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			114.8	114.8		133.3	170.0
53-1/8'			83.9	83.9		108.7	108.7
19-1/8'			120.0	120.0		133.3	170.0
19-1/8'	57'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			114.8	114.8		133.3	148.7
53-1/8'			77.9	77.9		103.6	103.6
19-1/8'			120.0	120.0		133.3	170.0
19-1/8'	63'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			114.8	114.8		133.3	170.0
53-1/8'			79.9	79.9		103.6	103.6
19-1/8'			120.0	120.0		133.3	170.0
19-1/8'	74-1/4'	8" O.C.	POS	NEG	9" O.C.	POS	NEG
26-1/2'			120.0	120.0		133.3	170.0
37'			114.8	114.8		133.3	148.7
53-1/8'			79.9	79.9		103.6	103.6
19-1/8'			120.0	120.0		133.3	170.0

SINGLE-LITE PICTURE WINDOW CHARTS

BASED ON FTL-1712 OF 06-23-97
 TEST SIZE = 72" X 72"
 TEST LOADS = +180.0, -180.0 PSF
 DESIGN LOADS = +120.0, -120.0 PSF
 WATER INFILTRATION TEST = 20 PSF
 TESTED GLAZING = 1/4"-TEMP. GLASS

BASED ON FTL-1851 OF 11-13-97
 TEST SIZE = 72" X 72"
 TEST LOADS = +255.0, -255.0 PSF
 DESIGN LOADS = +170.0, -170.0 PSF
 TESTED GLAZING = 3/8"-TEMP. GLASS



GLAZING OPTIONS
NON IMPACT RESISTANT

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **03-0812.01**
 Expiration Date **12/15/06**
 By *[Signature]*
 Miami Dade Product Control
 Division

JUN 11 2004
 FRANK L. BERNARDO, P.E.
 FE0246549

FRANK L. BERNARDO, P.E.
 CONSULTING ENGINEER
 4441 NORTH DIXIE HIGHWAY
 BOCA RATON, FL 33431
 (561) 391-2888 FAX: (561) 391-2862
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TRACO
 Windows & Doors Inc.
 SERIES 5758 FIXED WINDOW
 NON IMPACT RESISTANT



REVISIONS	
DESCRIPTION	DATE
SMALL NON SPLIT	11/12/03
ANCHOR SPC'G	6/10/2004

SCALE: 1:2 (UNO)
 DRAWN BY: CL
 CHECKED BY: FLB
 ORIG. DATE: 2/4/2003
 DWG #: 03-0812a-13