



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

TRACO Security Windows & Doors, Inc.
5100 NW 72 Avenue
Miami, FL 33166

Your application for Notice of Acceptance (NOA) of:

Series 5758 Aluminum Fixed Window-Impact & Non Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1211.01
EXPIRES: 12/15/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 01/24/2002

APPROVED: January 24, 2002

EXPIRES: December 15, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** Notice of Acceptance (NOA) No. **00-0920.03**, which was issued on November 22, 2000. It renews the approval of an aluminum fixed window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Series "5758" Aluminum Fixed Window** and its components shall be constructed in strict compliance with the following document: Drawing No **W97-28**, Sheets 1 through 5 of 5, titled "Series 5758 Aluminum Fixed Window," prepared by Al Farooq Corporation, dated 9/22/97 and revised on 12/4/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications, as shown approved drawings.

4. INSTALLATION

4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

5.1 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".

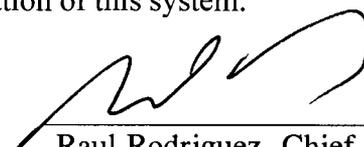
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Raul Rodriguez, Chief
Product Control Division

APPROVED: January 24, 2002

EXPIRES: December 15, 2006

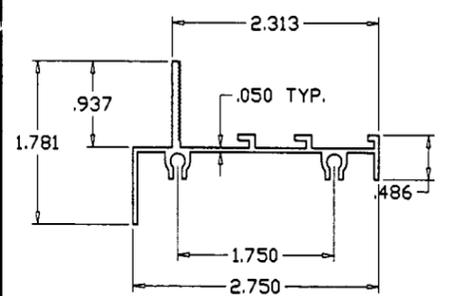
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

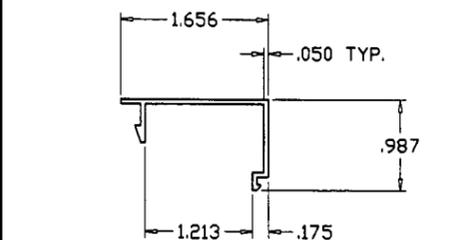
END OF THIS ACCEPTANCE



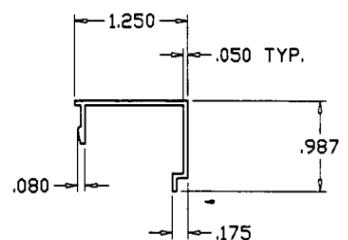
Raul Rodriguez, Chief
Product Control Division



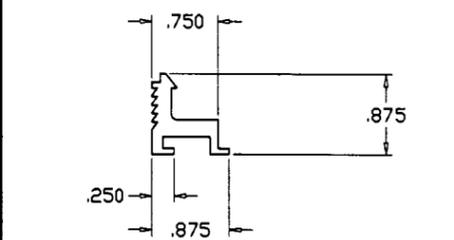
FRAME
6063-T6



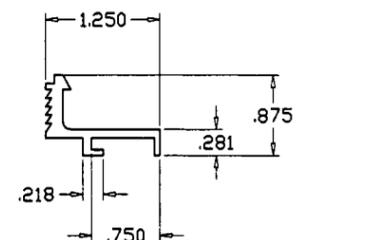
FRAME COVER (1/4" OR 3/8" GLAZING)
6063-T6



FRAME COVER (7/16" GLAZING)
6063-T6



GLAZING STOP (1/4" OR 3/8" GLAZING)
6063-T6



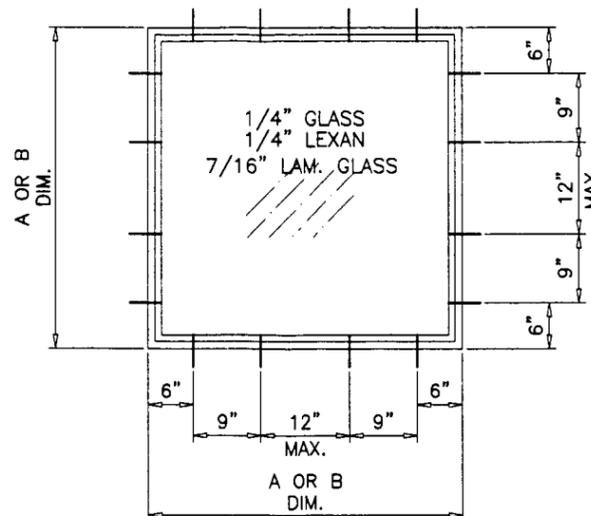
GLAZING STOP (7/16" GLAZING)
6063-T6

INSTRUCTIONS:

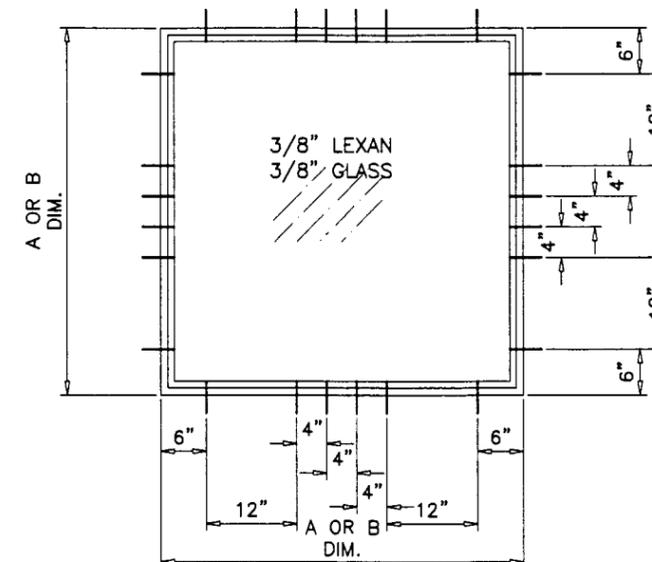
- STEP 1** FOR A GIVEN WINDOW SIZE, LOCATION AND BUILDING HEIGHT CALCULATE POSITIVE AND NEGATIVE DESIGN LOAD AS PER ASCE 7-88.
- STEP 2** SELECT GLAZING AND ANCHOR TYPE.
- STEP 3** FROM CHART SELECTED ABOVE, FOR THE NEXT NEAREST WIDTH AND HEIGHT DRAW A HORIZONTAL LINE AND READ ALLOWABLE POSITIVE AND NEGATIVE LOAD CAPACITY FOR THE SELECTED GLASS/ANCHOR TYPE.
- STEP 4** CHECK TO MAKE SURE THAT ALLOWABLE DESIGN CAPACITY IS EQUAL OR MORE THAN REQUIRED DESIGN LOADS DETERMINED IN STEP 1.

NOTES

- 1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
- 2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.



TYPICAL ELEVATIONS



ANCHORS:

FIRST ANCHOR AT 6" FROM CORNERS
NEXT ANCHOR AT 9", ALL SIDES
ALL OTHER INTERMEDIATE ANCHORS
AT 12" O.C. MAX. SPACING

ANCHORS:

FIRST ANCHOR AT 6" FROM CORNERS
CLUSTER OF 4 AT 4" O.C. AT MIDSPAN ALL SIDES
ALL OTHER INTERMEDIATE ANCHORS
AT 12" O.C. MAX. SPACING.

SECURITY ALUMINUM WINDOWS
SERIES 5758 ALUMINUM FIXED WINDOW

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

GLAZING:

1/4" LEXAN } LARGE MISSILE IMPACT RESISTANT
3/8" LEXAN }

7/16" OVERALL } SMALL MISSILE IMPACT RESISTANT
LAMINATED GLASS }

1/4" TEMPERED GLASS } NON IMPACT RESISTANT
3/8" TEMPERED GLASS }

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

DEC 05 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-1211.01
EXPIRATION DATE December 15, 2006
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

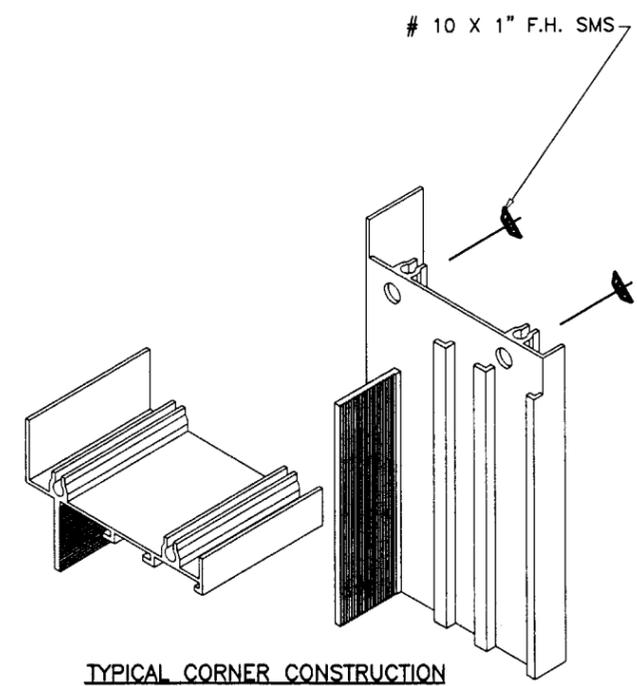
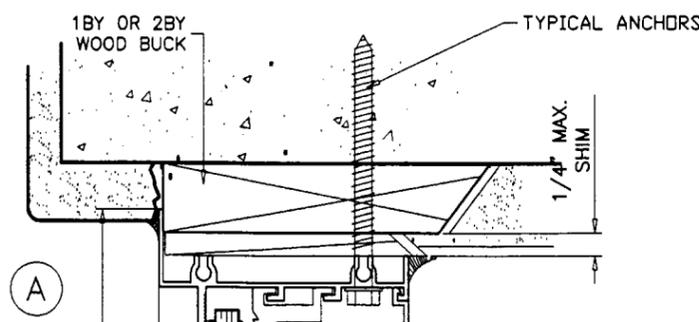
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W97-28SW-NEW

SERIES-5758 ALUM FIXED WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

no	date	by	description
A	7.14.98	H	GENERAL REVISION
B	11.12.98	H	GENERAL REVISION
C	8.17.99	H	SETTING BLOCK NOTE SHT. 2 REV.
D	7.10.00	H	7/16" GLASS ADDED
E	12.04.01	H	CHARIS REV. PER ASTM E-1300

date: 09-22-97
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W97-28**
sheet 1 of 5

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



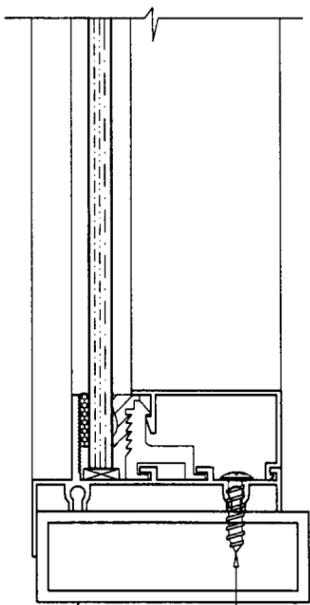
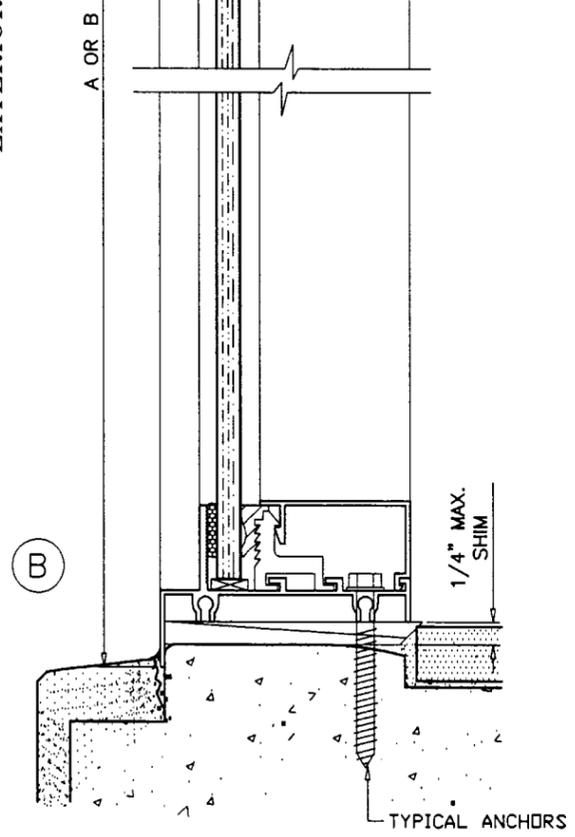
TYPICAL ANCHORS:

- 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:

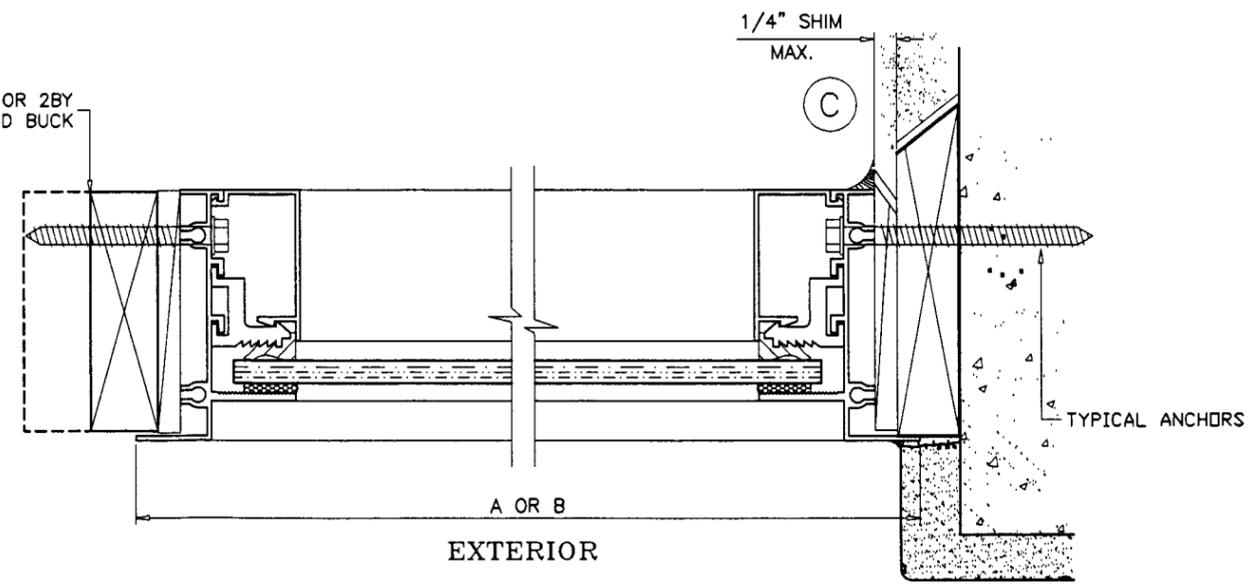
- FRAME CORNERS SEALED WITH SCHNEE MOREHEAD # 5504 SEALANT.
- FRAME SILL INSTALLATION SCREW HEADS SEALED WITH GE-SC 5100 SILICONE.

EXTERIOR



DADE COUNTY
APPROVED MULLION
& MULLION ANCHORS

1BY OR 2BY
WOOD BUCK



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

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557

[Signature]
DEC 05 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-1211-01

EXPIRATION DATE December 15, 2006

By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W97-28SW-NEW

SERIES-5758 ALUM FIXED WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
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revisions:

no	date	by description

date: 09-22-97
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W97-28

sheet 2 of 5

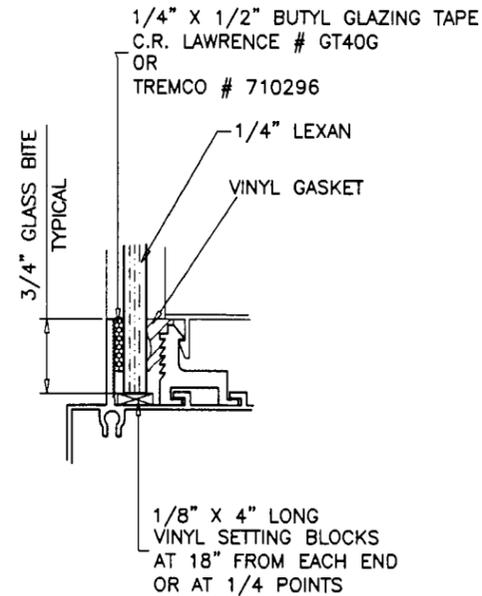
LARGE MISSILE IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED					
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		1/4" - LEXAN 3/16" ANCHORS		3/8" - LEXAN 1/4" ANCHORS	
A/B	A/B	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	24"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		77.3	92.0	83.3	100.0
60"		77.3	92.0	83.3	100.0
72"		77.3	92.0	83.3	100.0
24"	36"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		77.3	92.0	83.3	100.0
60"		77.3	92.0	83.3	100.0
72"		77.3	92.0	83.3	100.0
24"	48"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		77.3	92.0	83.3	95.5
60"		77.3	92.0	83.3	95.5
72"		72.5	86.3	83.3	95.5
24"	60"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		77.3	92.0	83.3	95.5
60"		77.3	76.4	69.1	76.4
72"		-	-	69.1	76.4
24"	72"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		72.5	86.3	83.3	95.5
60"		-	-	69.1	76.4
72"		-	-	-	-
24"	84"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		-	-	83.3	95.5
24"	96"	77.3	92.0	83.3	100.0
36"		77.3	92.0	83.3	100.0
48"		-	-	83.3	95.5
24"	108"	77.3	92.0	83.3	100.0
36"		-	-	83.3	100.0
24"	120"	77.3	92.0	83.3	100.0
36"		-	-	83.3	100.0

LARGE MISSILE IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED					
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		1/4" - LEXAN 3/16" ANCHORS		3/8" - LEXAN 1/4" ANCHORS	
A/B	A/B	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		77.3	92.0	83.3	100.0
19-1/8"	38-3/8"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		77.3	92.0	83.3	100.0
19-1/8"	50-5/8"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		77.3	90.5	81.9	98.3
19-1/8"	57"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		77.3	86.3	78.0	93.6
19-1/8"	63"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		75.5	86.3	78.0	93.6
19-1/8"	74-1/4"	77.3	92.0	83.3	100.0
26-1/2"		77.3	92.0	83.3	100.0
37"		77.3	92.0	83.3	100.0
53-1/8"		-	-	78.0	93.6

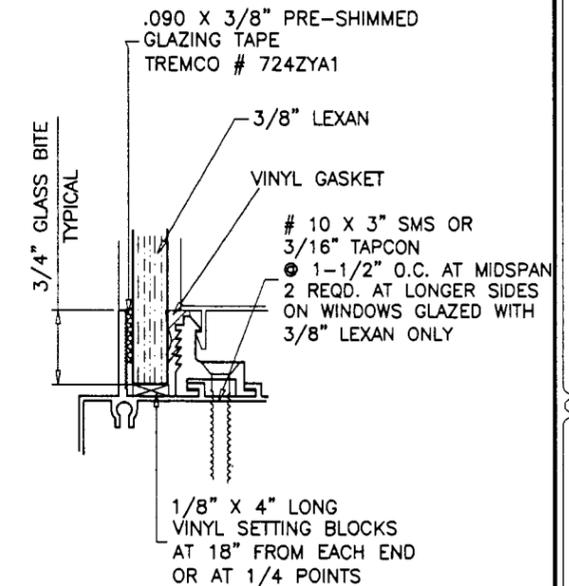
SINGLE LITE PICTURE WINDOW CHARTS

BASED ON FTL-1801 OF 08-28-97
 TEST SIZE = 60" X 60"
 TEST LOADS = +116.0, -138.0 PSF
 DESIGN LOADS = +77.3, -92.0 PSF
 TESTED GLAZING = 1/4"-LEXAN

BASED ON FTL-1792 OF 08-08-97
 TEST SIZE = 49-3/4" X 94-3/8"
 TEST LOADS = +125.0, -150.0 PSF
 DESIGN LOADS = +83.3, -100.0 PSF
 WATER INFILTRATION TEST = 15 PSF
 TESTED GLAZING = 3/8"-LEXAN



1/4" LEXAN



3/8" LEXAN

**GLAZING OPTIONS
LARGE MISSILE IMPACT RESISTANT**

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 H
 OFC 0 5 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-1211-01
 EXPIRATION DATE December 15, 2006
 By: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
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 COMP-ANL\W97-28SW-NEW

TRACO SECURITY WINDOWS & DOORS INC.
 SERIES-5758 ALUM FIXED WINDOW
 5100 N.W. 72 AVE.
 MIAMI, FL. 33166
 TEL. (305) 591-8990

revisions:	no	date	by	description

date: 09-22-97
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W97-28

SMALL MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQD. FOR INSTALLATION ABOVE 30 FT. OF GRADE

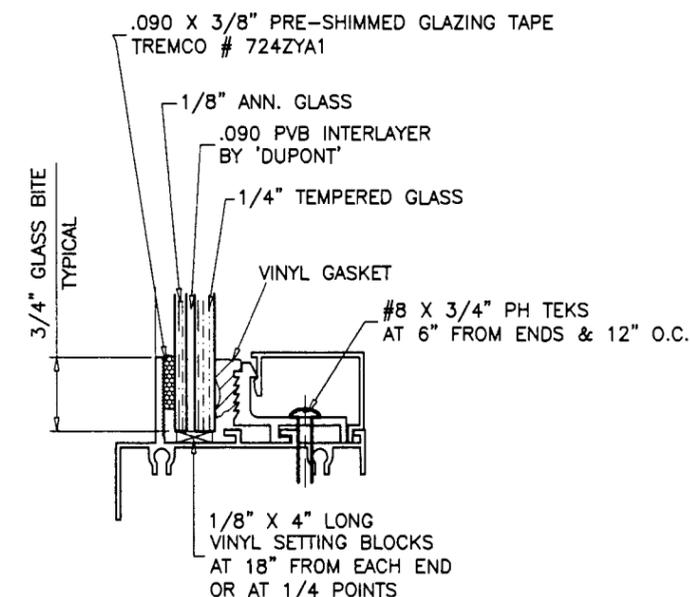
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		7/16" LAM. GLASS 3/16" ANCHORS		7/16" LAM. GLASS 1/4" ANCHORS	
A/B	A/B	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	24"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0
24"	36"	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"	48"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		120.0	95.5	120.0	120.0
60"		120.0	95.5	120.0	120.0
72"		120.0	95.5	120.0	120.0
24"	60"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		120.0	95.5	120.0	120.0
60"		120.0	76.4	120.0	109.6
72"		120.0	76.4	120.0	109.6
24"	72"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		120.0	95.5	120.0	120.0
60"		120.0	76.4	120.0	109.6
72"		120.0	63.7	113.2	91.3
24"	84"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		120.0	95.5	120.0	120.0
60"		112.0	76.4	112.0	109.6
72"		120.0	120.0	120.0	120.0
24"	96"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		96.4	95.5	96.4	96.4
24"	108"	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0
48"		86.4	86.4	86.4	86.4
24"	120"	120.0	120.0	120.0	120.0
36"		118.4	118.4	118.4	118.4

SMALL MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQD. FOR INSTALLATION ABOVE 30 FT. OF GRADE

WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		7/16" LAM. GLASS 3/16" ANCHORS		7/16" LAM. GLASS 1/4" ANCHORS	
A/B	A/B	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	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"	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	119.5	120.0	120.0
19-1/8"	50-5/8"	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	90.5	120.0	120.0
19-1/8"	57"	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	86.3	120.0	120.0
19-1/8"	63"	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	86.3	120.0	120.0
19-1/8"	74-1/4"	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	86.3	120.0	120.0

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

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

[Signature]
DEC 05 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-12/1-01
EXPIRATION DATE December 15, 2006
By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

afc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W97-28SW-NEW

SERIES-5758 ALUM FIXED WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

no	date	description

date: 09-22-97
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W97-28
sheet 4 of 5

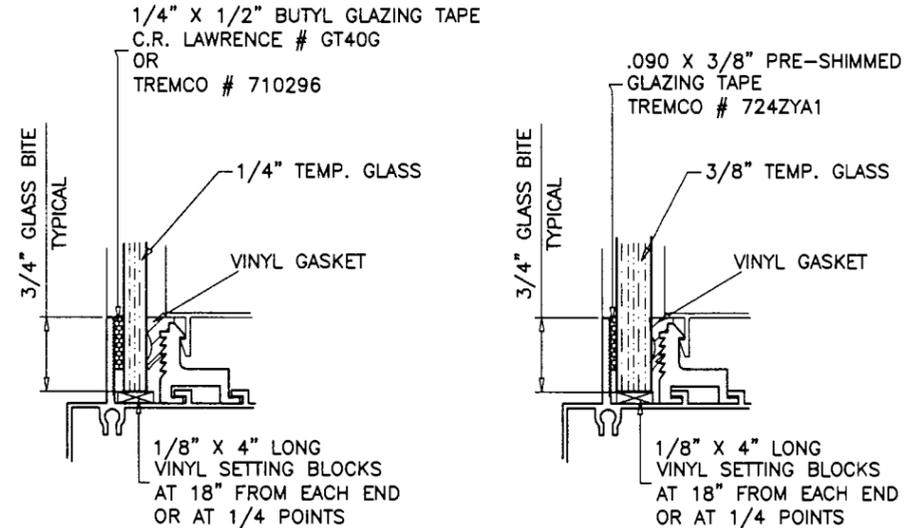
NON IMPACT RESISTANT WINDOWS SHUTTERS REQD. FOR ALL INSTALLATIONS					
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		1/4" - TEMP. GLASS 3/16" ANCHORS		3/8" - TEMP. GLASS 1/4" ANCHORS	
A/B	A/B	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	24"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		120.0	120.0	133.3	170.0
60"		120.0	120.0	133.3	170.0
72"		120.0	120.0	133.3	170.0
24"	36"	120.0	120.0	133.3	170.0
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"	48"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		120.0	95.5	133.3	137.0
60"		120.0	95.5	133.3	137.0
72"		120.0	95.5	133.3	137.0
24"	60"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		120.0	95.5	133.3	137.0
60"		120.0	76.4	133.3	109.6
72"		120.0	76.4	133.3	109.6
24"	72"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		120.0	95.5	133.3	137.0
60"		120.0	76.4	133.3	109.6
72"		120.0	63.7	133.3	91.3
24"	84"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		120.0	95.5	133.3	137.0
60"		112.0	76.4	133.3	109.6
72"		120.0	120.0	133.3	170.0
24"	96"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		96.4	95.5	133.3	137.0
24"	108"	120.0	120.0	133.3	170.0
36"		120.0	120.0	133.3	170.0
48"		86.4	86.4	133.3	137.0
24"	120"	120.0	120.0	133.3	170.0
36"		118.4	118.4	133.3	170.0

NON IMPACT RESISTANT WINDOWS SHUTTERS REQD. FOR ALL INSTALLATIONS					
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF			
		1/4" - TEMP. GLASS 3/16" ANCHORS		3/8" - TEMP. GLASS 1/4" ANCHORS	
A/B	A/B	EXT.	INT.	EXT.	INT.
19-1/8"	26"	120.0	120.0	133.3	170.0
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"	38-3/8"	120.0	120.0	133.3	170.0
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	119.5	133.3	170.0
19-1/8"	50-5/8"	120.0	120.0	133.3	170.0
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	90.5	133.3	129.9
19-1/8"	57"	120.0	120.0	133.3	170.0
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	86.3	133.3	123.8
19-1/8"	63"	120.0	120.0	133.3	170.0
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	86.3	133.3	123.8
19-1/8"	74-1/4"	120.0	120.0	133.3	170.0
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	86.3	133.3	123.8

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



1/4" TEMP. GLASS

3/8" TEMP. GLASS

**GLAZING OPTIONS
NON IMPACT RESISTANT**

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

DEC 05 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-1211-01
 EXPIRATION DATE December 15, 2006

By [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
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 MIAMI, FL. 33166
 TEL. (305) 591-8990

no	date	description

date: 09-22-97
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W97-28

sheet 5 of 5