



**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 140 (540) Aluminum Single Hung Window Large Impact**

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.: 01-1115.07**  
**EXPIRES: 01/10/2007**

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: 01/10/2002**



APPROVED: January 10, 2002

EXPIRES: January 10, 2007

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This approves an aluminum single hung 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 "Coastal 140/540" Aluminum Single Hung Window – Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No W01-71, Sheets 1 through 4 of 4, titled "Coastal 140/540 Impact Single Hung Window Resistant," prepared by Al Farooq Corporation, dated 10/19/01 and revised on 12/13/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval 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 only, as shown in approved drawings.  
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

**4. INSTALLATION**

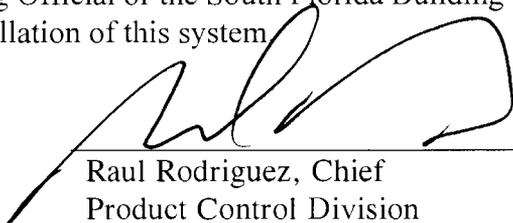
4.1 The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**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

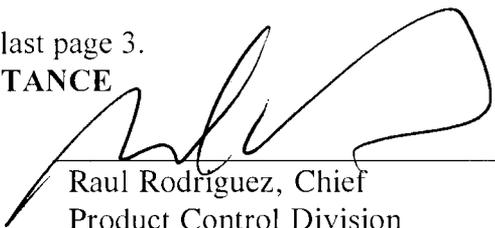
APPROVED: January 10, 2002

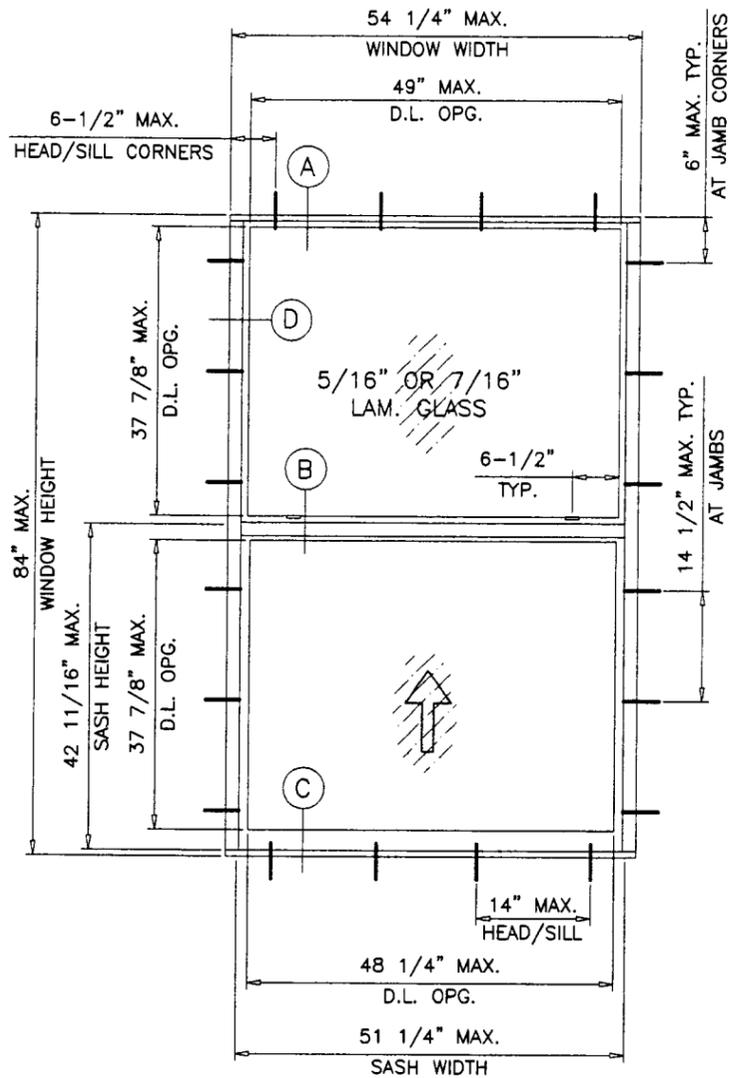
EXPIRES: January 10, 2007

**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.

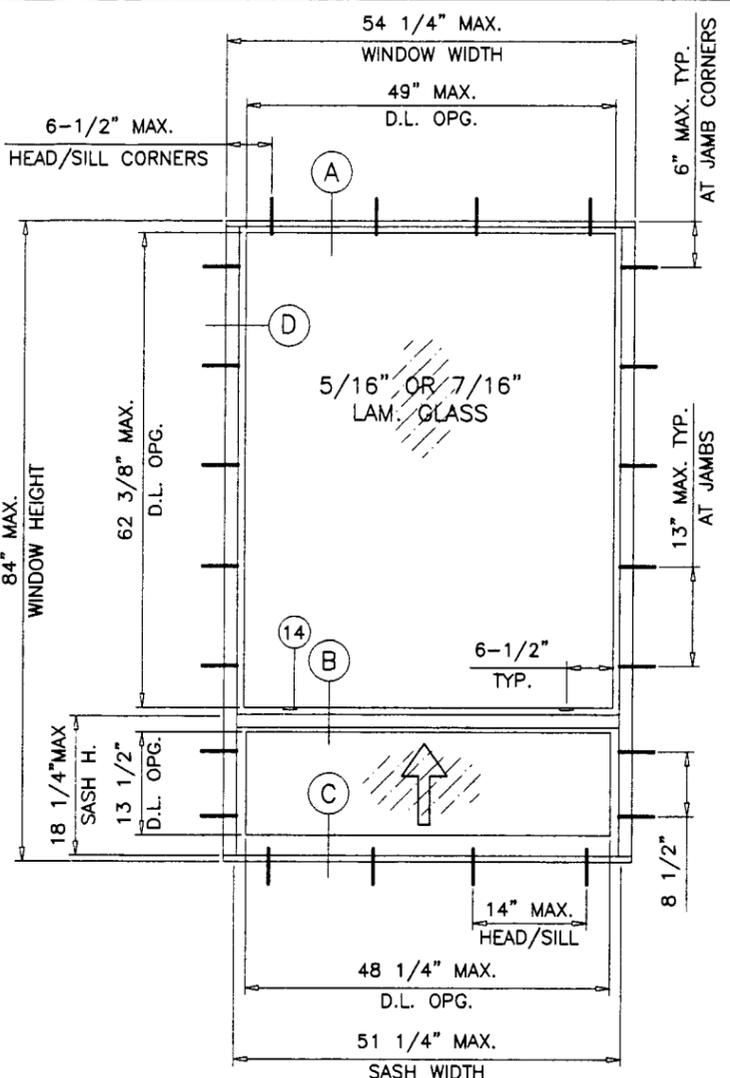
**END OF THIS ACCEPTANCE**

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division



TYPICAL ELEVATION  
EQUAL LITES

DESIGN LOAD CAPACITY - PSF EQUAL GLASS HEIGHTS					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B' & 'C'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"	38-3/8"	90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"	(3)	90.0	106.0	90.0	106.0
53-1/8"		90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"	50-5/8"	90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"		90.0	106.0	90.0	106.0
19-1/8"	58"	90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"	(5)	90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"	(5)	90.0	106.0	90.0	106.0
53-1/8"		90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"	63"	90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"		90.0	106.0	90.0	106.0
19-1/8"	74-1/4"	90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"	(6)	90.0	97.0	90.0	106.0
19-1/8"		90.0	106.0	-	-
26-1/2"		90.0	106.0	-	-
37"	84"	90.0	106.0	-	-
53-1/8"		90.0	106.0	-	-
19-1/8"		90.0	104.9	-	-



TYPICAL ELEVATION  
UNEQUAL LITES

DESIGN LOAD CAPACITY - PSF ORIEL SIZES					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B' & 'C'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	50-5/8"	90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"	(5)	90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"	58"	90.0	106.0	90.0	106.0
53-1/8"		90.0	106.0	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"	63"	90.0	106.0	90.0	106.0
37"		90.0	106.0	90.0	106.0
53-1/8"		-	-	90.0	106.0
19-1/8"	74-1/4"	90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"		90.0	90.9	90.0	106.0
53-1/8"	(7)	-	-	90.0	106.0
19-1/8"		90.0	106.0	90.0	106.0
26-1/2"		90.0	106.0	90.0	106.0
37"	84"	-	-	90.0	106.0
53-1/8"		-	-	90.0	106.0

COASTAL-140 SINGLE HUNG WINDOWS

WINDOWS GLAZED WITH LAMINATED GLASS TO BE RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.  
DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

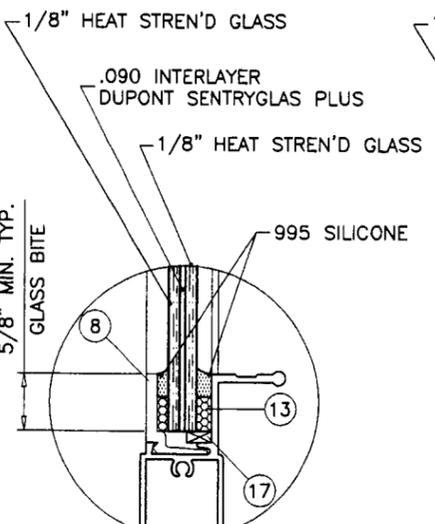
WINDOWS CAN BE WITH:  
A- EQUAL GLASS HEIGHTS  
B- UNEQUAL GLASS HEIGHTS (ORIEL TYPE)

THESE PRODUCTS ARE DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

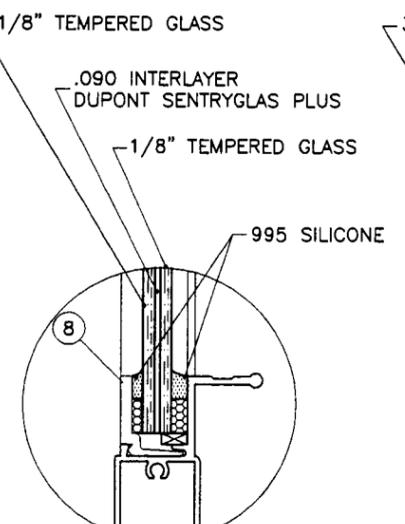
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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

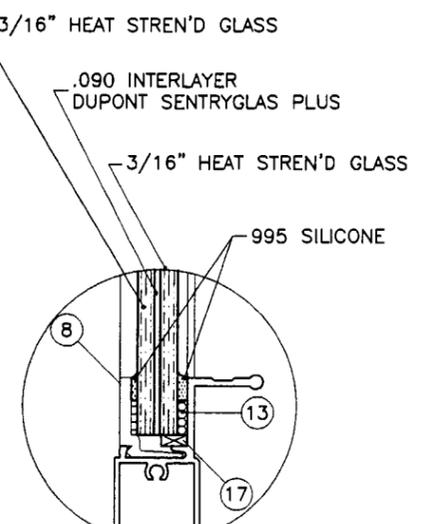
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.



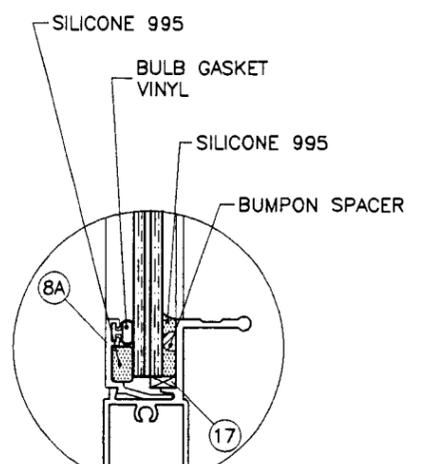
GLASS TYPE 'A'  
5/16" LAMINATED GLASS



GLASS TYPE 'B'  
5/16" LAMINATED GLASS



GLASS TYPE 'C'  
7/16" LAMINATED GLASS



ALTERNATE GLAZING DETAIL  
GLASS TYPES 'A' 'B' OR 'C'

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

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: JAN 19 2001  
BY: [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 445-07

DEC 19 2001

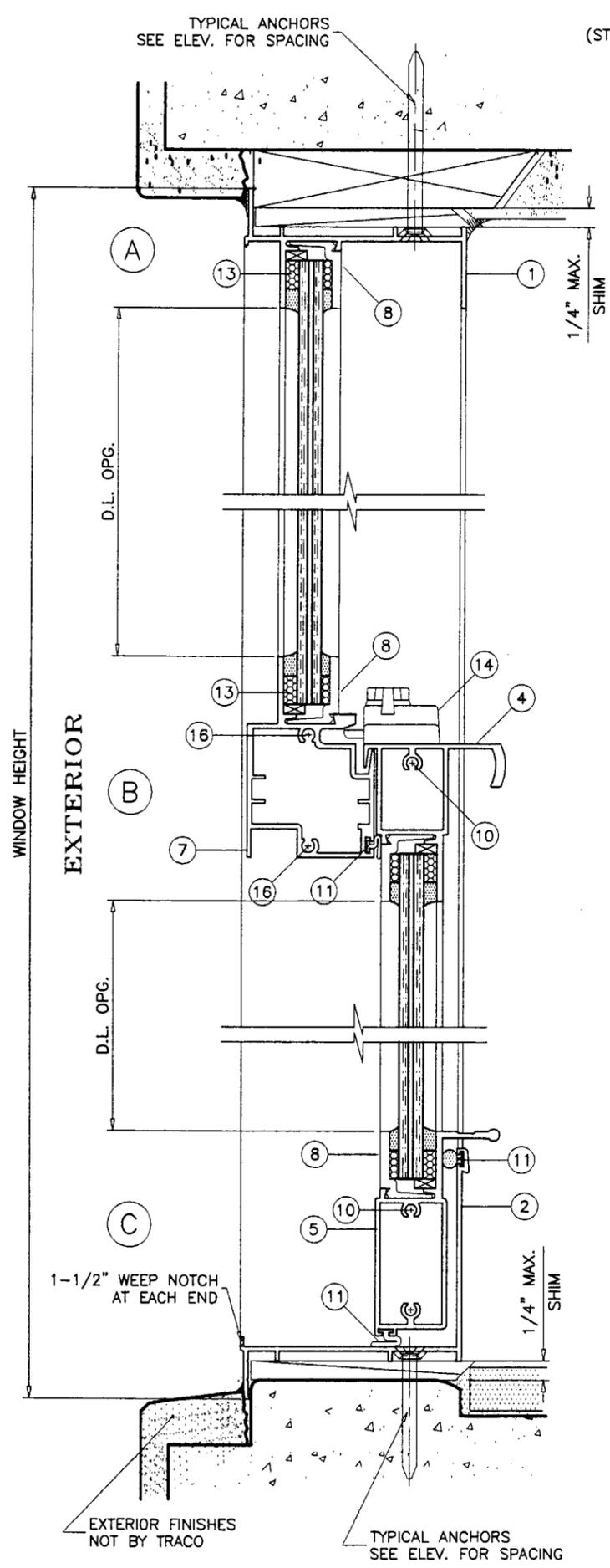
AL-FAROOQ CORPORATION  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W01-71TSW

COASTAL 140/540 IMPACT SINGLE HUNG WINDOW  
TRACO SECURITY WINDOWS & DOORS INC.  
5100 N.W. 72 AVE.  
MIAMI, FL. 33166  
TEL. (305) 591-8990

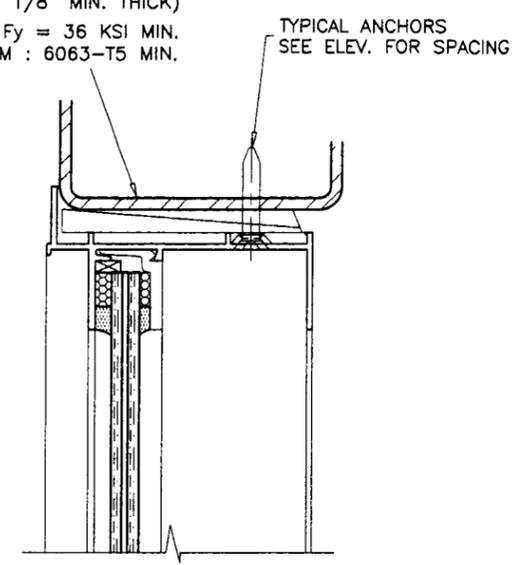
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date: 10-19-01  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
W01-71  
sheet 1 of 4



METAL STRUCTURES  
(STEEL OR ALUM. 1/8" MIN. THICK)  
STEEL :  $F_y = 36$  KSI MIN.  
ALUMINUM : 6063-T5 MIN.



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

**1/4" DIA. TAPCONS**

INTO WOOD STRUCTURES  
1-3/4" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY  
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

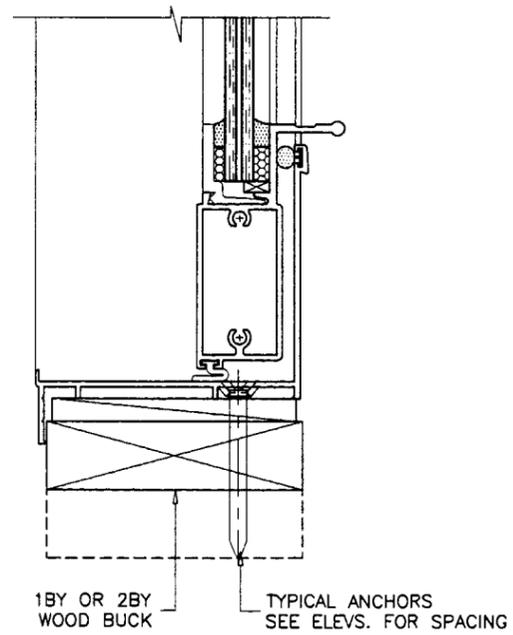
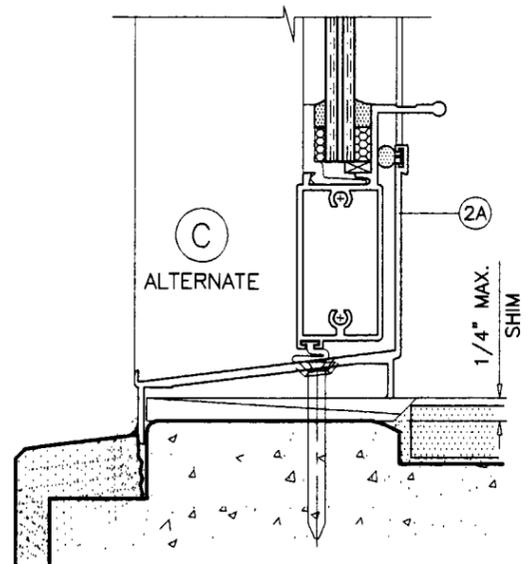
**#14 SMS OR SELF DRILLING SCREWS**

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)  
(1/4" MAX. SHIM SPACE)

INTO APPROVED MULLIONS  
(NO SHIM SPACE)

**SEALANTS:**

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.



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

DEC 19 2001

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE January 10, 2002

BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-115-07

**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\W01-71TSW

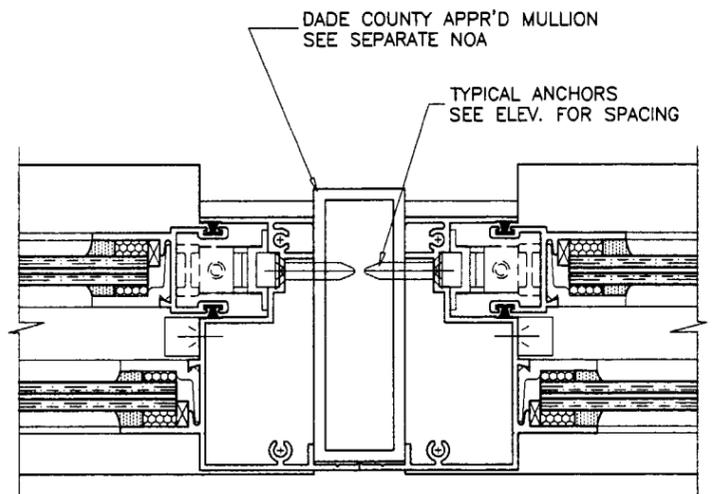
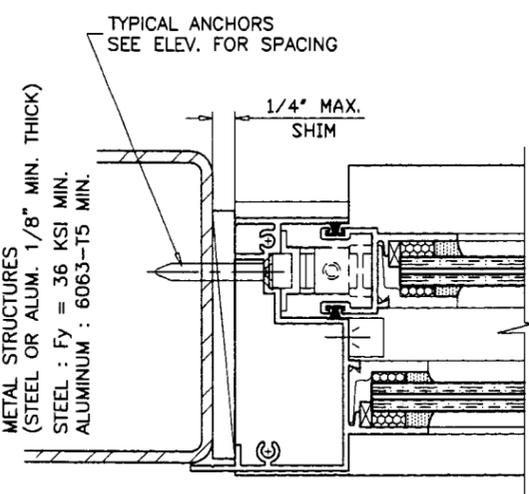
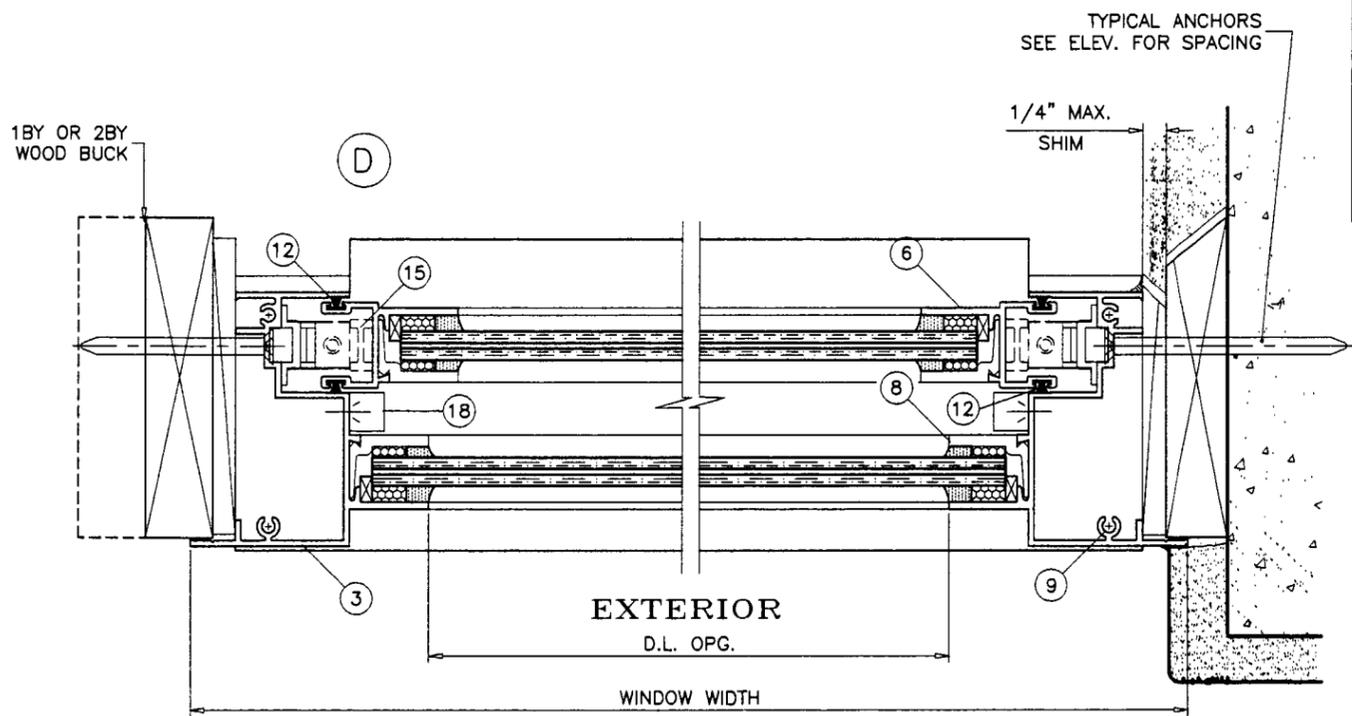
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COASTAL140/540 IMPACT SINGLE HUNG WINDOW  
**TRACO SECURITY WINDOWS & DOORS INC.**  
5100 N.W. 72 AVE.  
MIAMI, FL. 33166  
TEL. (305) 591-8990

revisions:	
no	date by description

date: 10-19-01	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. <b>W01-71</b>		sheet 2 of 4	

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	050-00-572	1	HEAD	6063-T6	TIFTON
2	050-00-585	1	SILL	6063-T6	TIFTON
2A	050-00-308	1	ALTERNATE SILL	6063-T6	TIFTON
3	050-00-586	2	JAMB	6063-T6	TIFTON
4	050-00-571	1	VENT TOP	6063-T6	TIFTON
5	050-00-548	1	VENT BOTTOM	6063-T6	TIFTON
6	051-00-570	2	VENT SIDE	6063-T6	TIFTON
7	050-00-573	1	MEETING RAIL	6063-T6	TIFTON
8	050-00-569	4/ LITE	GLASS STOP	6063-T6	TIFTON
8A	050-00-559	4/ LITE	GLASS STOP (OPTIONAL)	6063-T6	TIFTON
9	012-00-832	AS REQD.	FRAME ASSEMBLY SCREW		#8 X 3/4" PPH SMS
10	050-00-000	AS REQD.	VENT ASSEMBLY SCREW		#8 X 1" PPH SMS
11	32328	AS REQD.	W'STRIPPING (FABRIC COATED FOAM)		SCHLEGEL Q-LON .375 X .190
12	047-00-015	AS REQD.	FIN SEAL PILE		ULTRAFAB
13	UIS20	AS REQD.	GLAZING TAPE (3/16" X 3/8")		-
14	007-10-016	2	SWEEP LOCK (AT 6-1/2" FROM ENDS)	ZINC CAST	MARBOLLO INT.
15	046-16-030	2	BLOCK AND TACKLE BALANCE (6000/6100)		BALANCE SYSTEMS OR EQUIV.
16		AS REQD.	MTG. RAIL ASSEMBLY SCREW		#10 X 1" PPH SMS
17	-	AS REQD.	SETTING BLOCK		1/8" X 9/32" X 2" LONG
18	000-00-000	2	VENT GUIDE (1/2" X 7/8" X 3/8" H.)	NYLON	FASTENED W/ #6 X 1/2"



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

DEC 19 2001

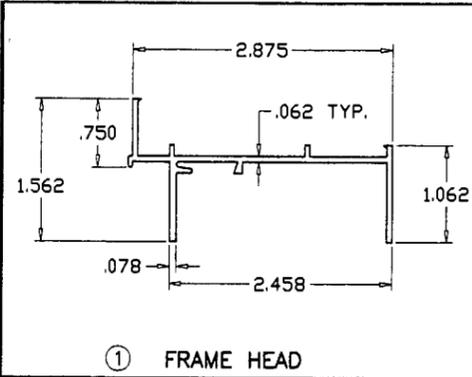
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE January 19, 2006  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1115.07

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W01-71TSW

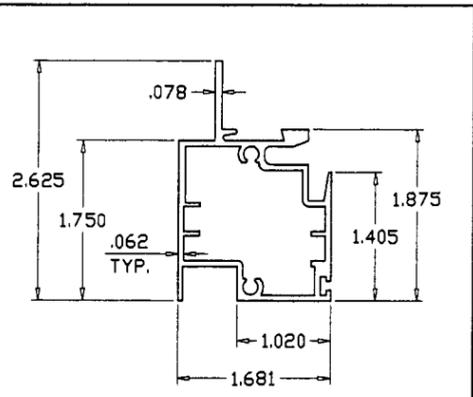
COASTAL140/540 IMPACT SINGLE HUNG WINDOW  
**TRACO SECURITY WINDOWS & DOORS INC.**  
5100 N.W. 72 AVE.  
MIAMI, FL. 33166  
TEL. (305) 591-8990

revisions:	
no	date by description

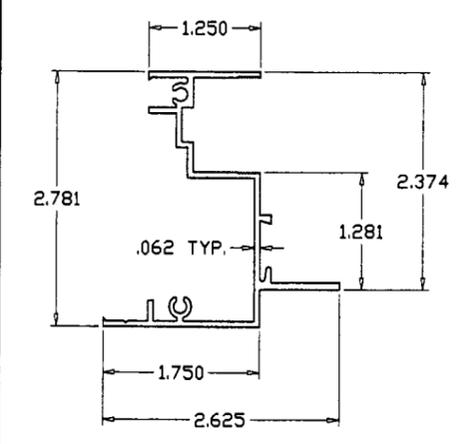
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drawing no. <b>W01-71</b>		sheet 3 of 4	



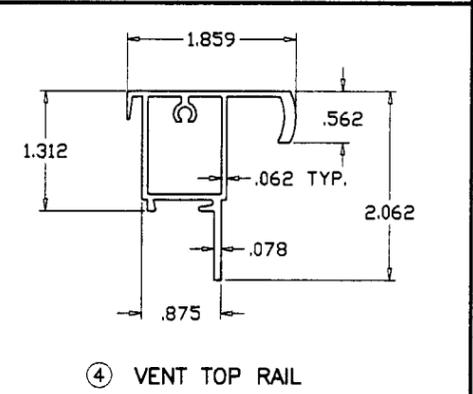
① FRAME HEAD



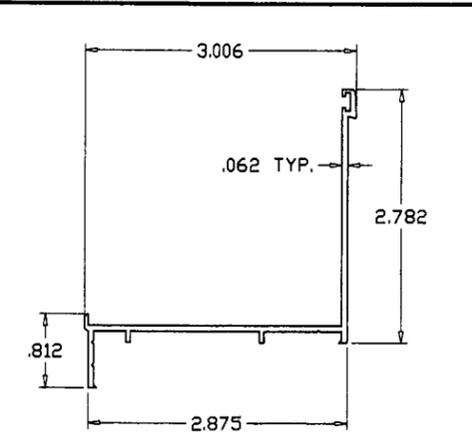
⑦ MEETING RAIL



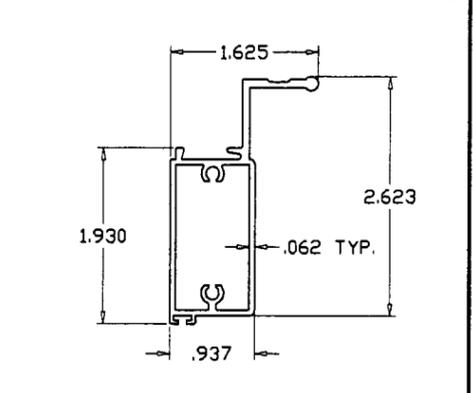
③ FRAME JAMB



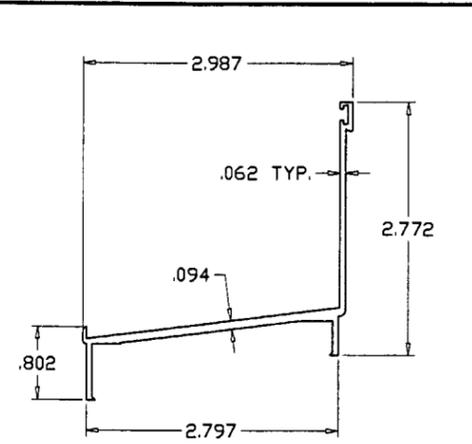
④ VENT TOP RAIL



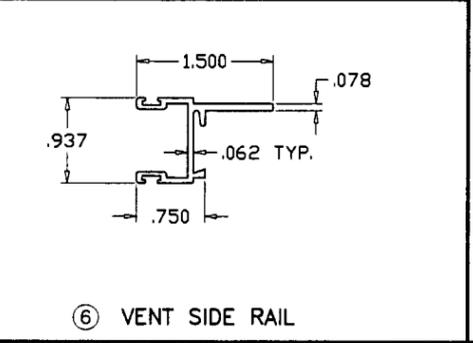
② FRAME SILL



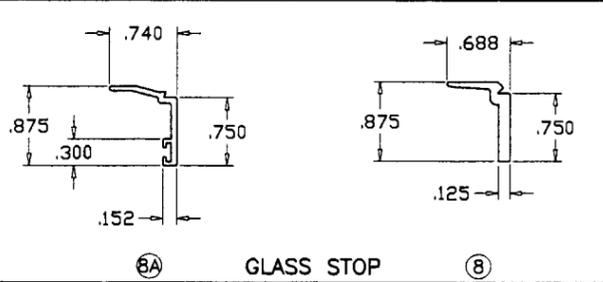
⑤ VENT BOTTOM RAIL



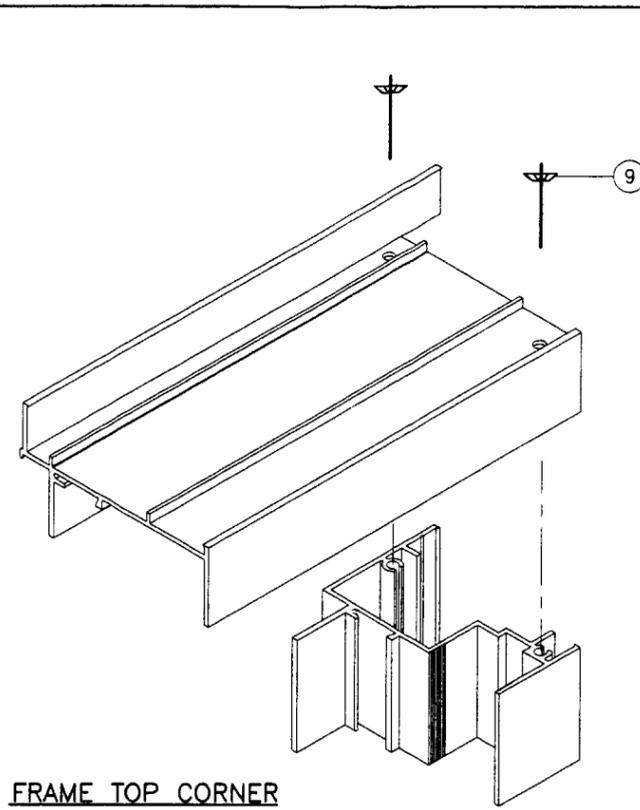
②A ALT. FRAME SILL



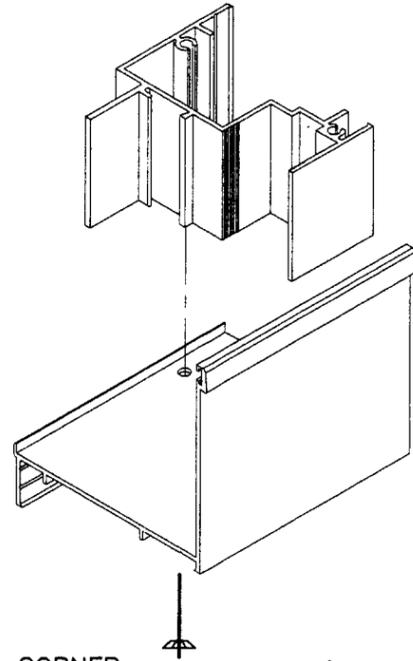
⑥ VENT SIDE RAIL



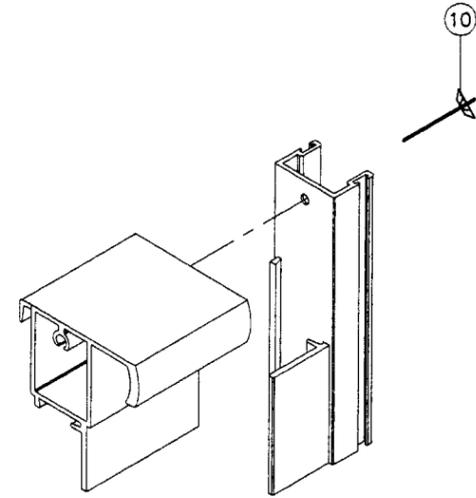
⑧A GLASS STOP



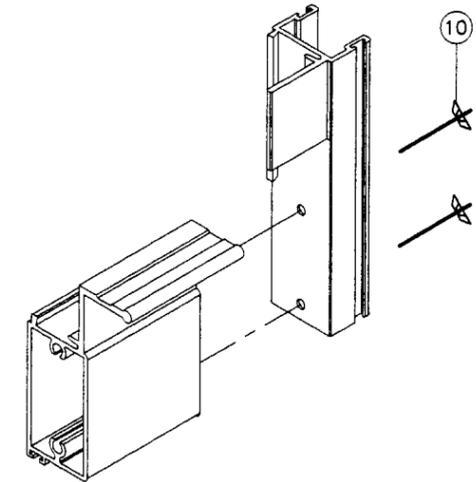
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

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

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE

DATE January 10 2002

BY [Signature]

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1115.07

DEC 19 2001

**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\W01-71TSW

COASTAL140/540 IMPACT SINGLE HUNG WINDOW  
**TRACO SECURITY WINDOWS & DOORS INC.**  
5100 N.W. 72 AVE.  
MIAMI, FL. 33166  
TEL. (305) 591-8990

Revisions:	
no	date by description

date: 10-19-01  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-71**

sheet 4 of 4