



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 440 (140) Aluminum Single Hung Window - Small Missile Impact and 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.: 00-0920.04
EXPIRES: 06/10/2002

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: 12/07/2000

TRACO Security Windows & Doors, Inc.

ACCEPTANCE No.: 00-0920.04

APPROVED : DEC 07 2000

EXPIRES : June 10, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This **revises and replaces** the Notice of Acceptance No. 99-0212.01, which was issued on June 10, 1999. It approves an aluminum single hung window, as described in Section 2 of this Notice of Acceptance, 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 C-140 Aluminum Single Hung Window – Small Missile Impact and Non-Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **W98-106**, titled "Coastal-140 Impact Single Hung Window" Sheets 1 through 5 of 5, dated 12/21/98, revised on 07/10/00, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents 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 corresponding Design Load Capacity table for un-reinforced and reinforced meeting rail, in approved drawings.

4. INSTALLATION

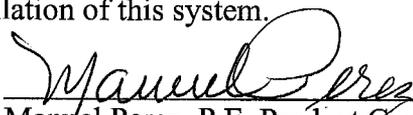
- 4.1** The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.
4.2.1 For ¼" tempered glass: the installation of this unit **will require** a hurricane protection system.
4.2.2 For 7/16" laminated glass: the installation of this unit up to 30 feet above grade **will 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.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

TRACO Security Windows & Doors, Inc.

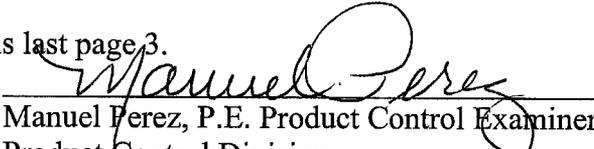
ACCEPTANCE No.: 00-0920.04

APPROVED : DEC 07 2000

EXPIRES : June 10, 2002

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.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

3/16" OR 1/4" TAPCONS
1-1/4" MIN. EMBED INTO MASONRY
6" FROM CORNERS
& SPACED AS PER ELEVATIONS

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

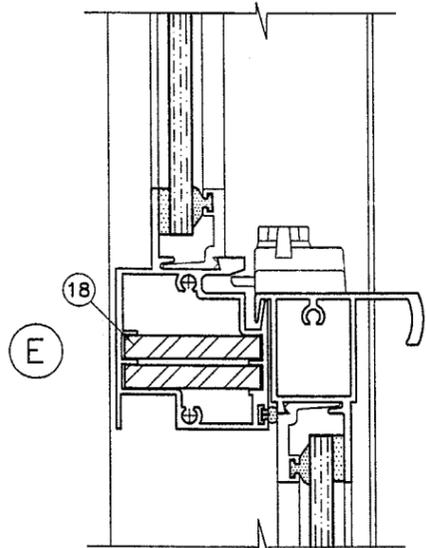
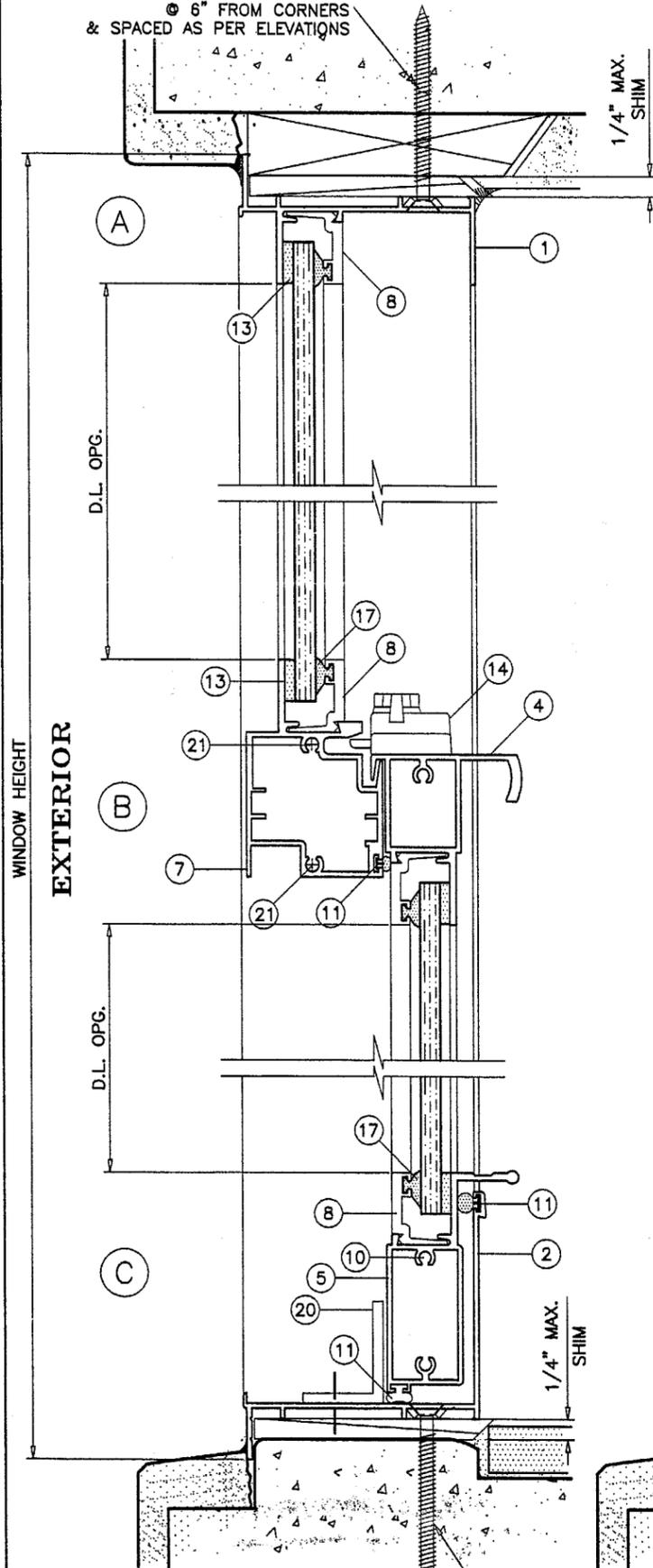
TAPCONS AS MANUFACTURED BY ELCO.
OR EQUIVALENT CONC. ANCHOR HOLDING CURRENT
NOTICE OF ACCEPTANCE.

SEALANTS:

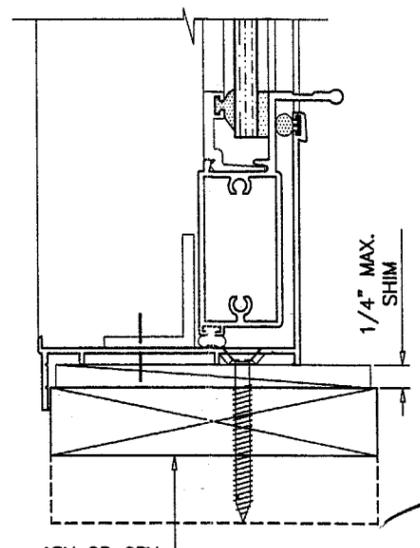
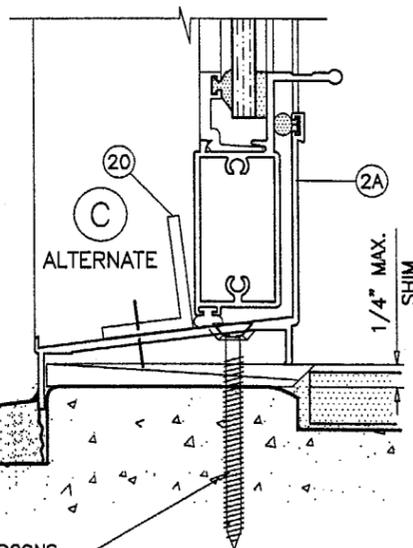
FRAME AND VENT CORNERS SEALED WITH SCHNEE MOREHEAD 5504.

3/16" OR 1/4" TAPCONS
1-1/4" MIN. EMBED INTO MASONRY
6" FROM CORNERS
CLUSTER OF 3 AT MTG. RAILS
QUANTITY AS PER CHARTS

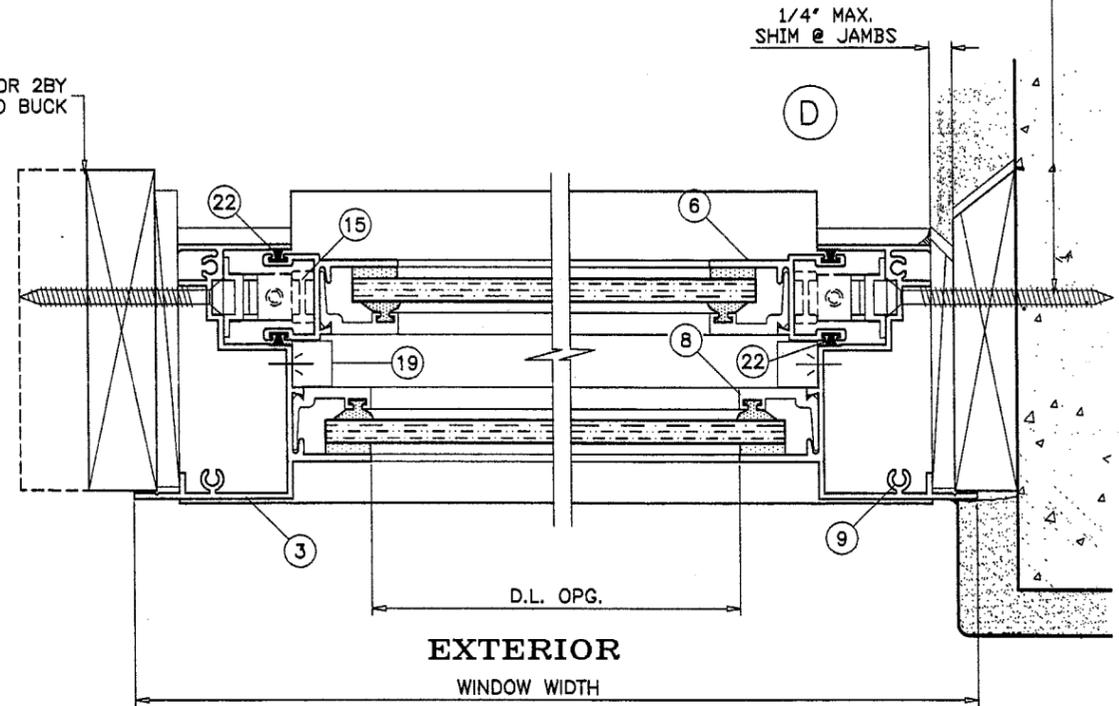
WINDOW HEIGHT
EXTERIOR



SEE CHART ON SHEET 5
FOR REINFORCED MTG. RAIL



1BY OR 2BY
WOOD BUCK



EXTERIOR
WINDOW WIDTH

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 7-88 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.
4. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED.

Engr. DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 18557

AUG 15 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE December 07, 2000
BY Maunul Jere
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0920.04

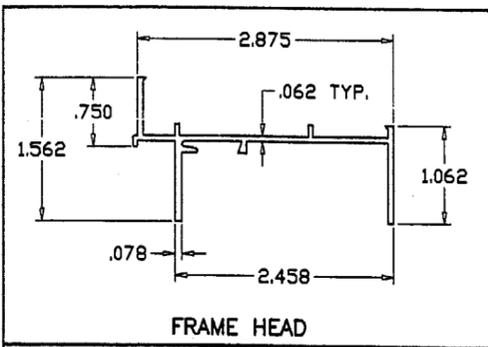
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W98-106SW

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

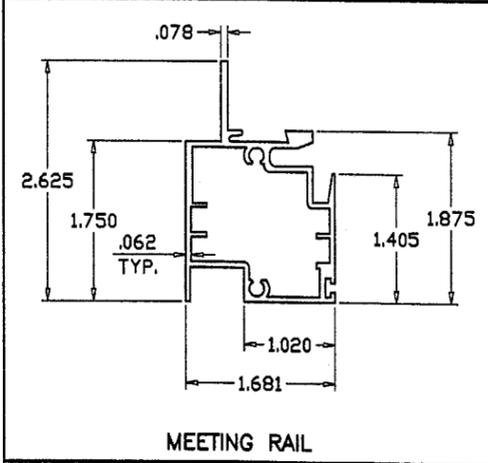
revisions:		no	date	by	description
A	7.10.00	H	7/16"	HAMID	GLASS ADDED

date:	12-21-98
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

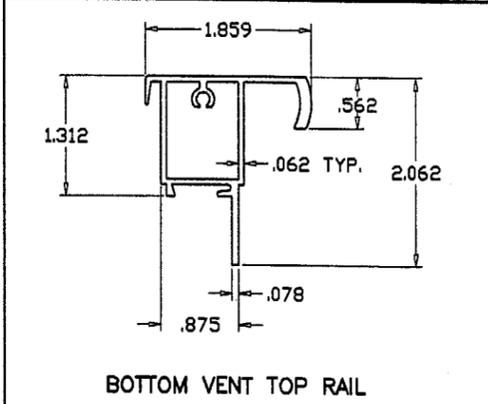
drawing no.	W98-106
sheet 1 of 5	



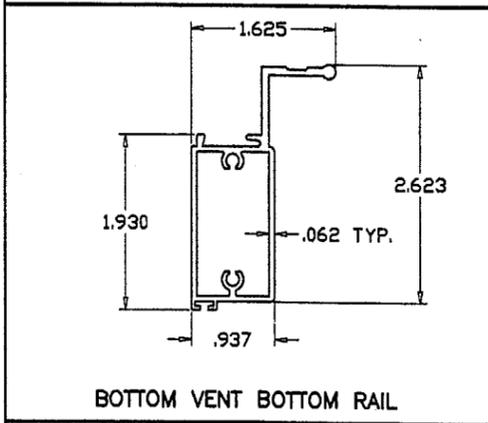
FRAME HEAD



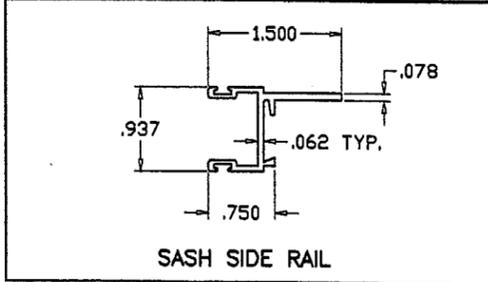
MEETING RAIL



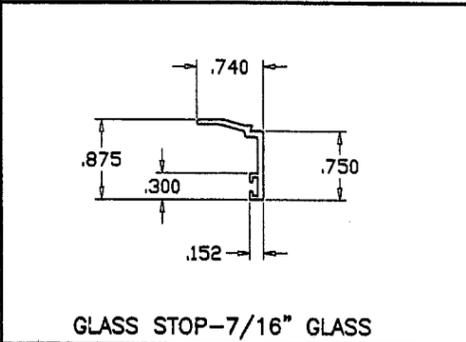
BOTTOM VENT TOP RAIL



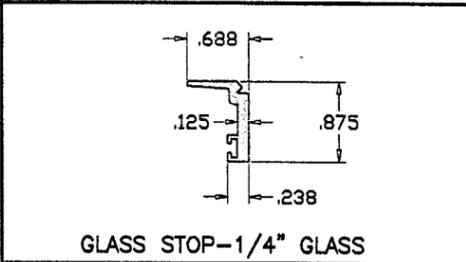
BOTTOM VENT BOTTOM RAIL



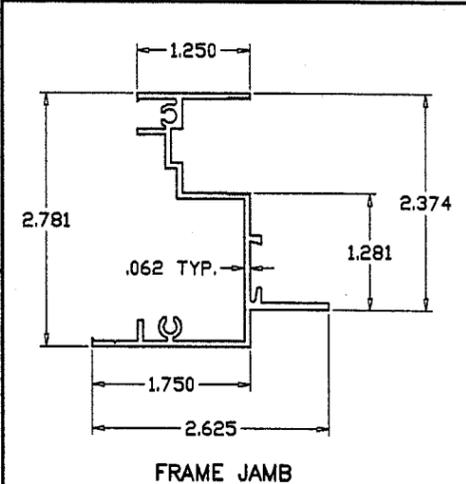
SASH SIDE RAIL



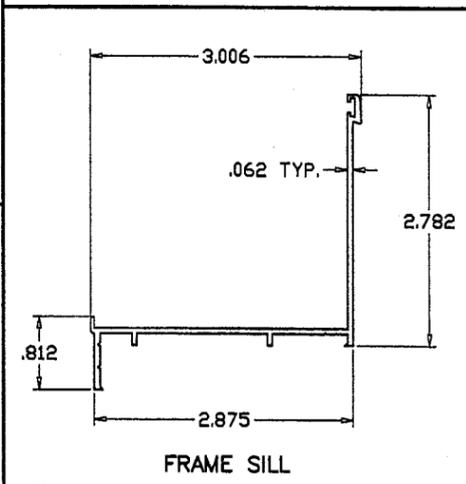
GLASS STOP-7/16" GLASS



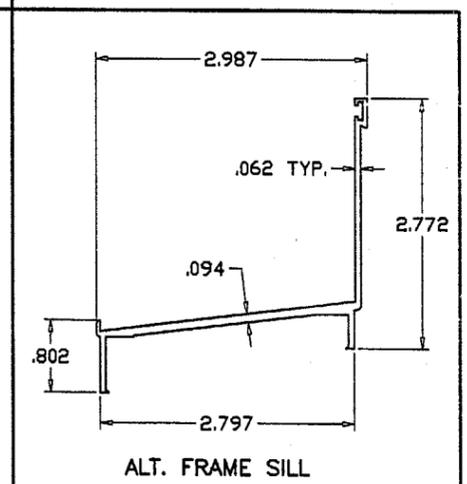
GLASS STOP-1/4" GLASS



FRAME JAMB

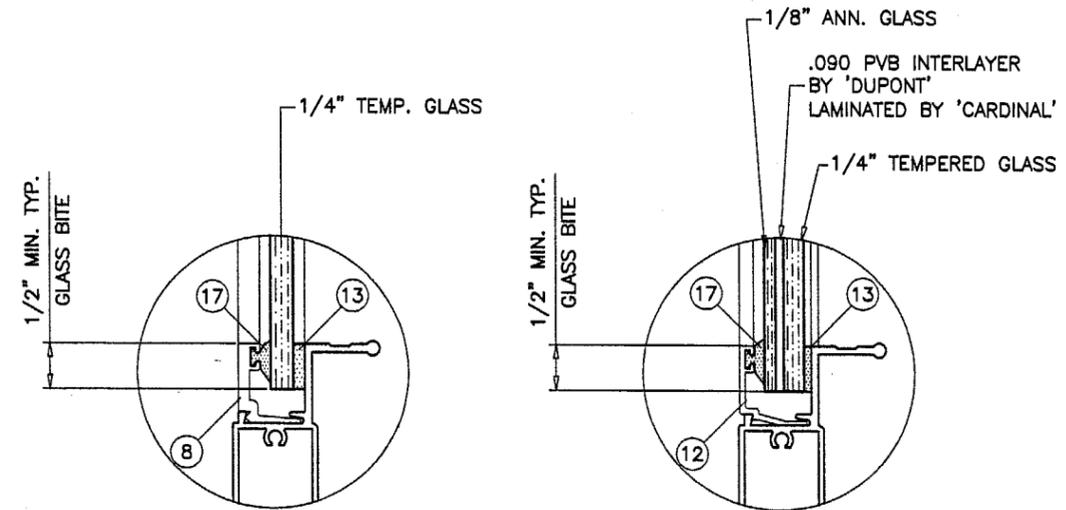


FRAME SILL



ALT. FRAME SILL

ITEM NO.	PART NUMBER	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-T5	TIFTON
4	050-00-571	1	VENT TOP	6063-T6	TIFTON
5	050-00-548	1	VENT BOTTOM	6063-T5	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 (1/4" GLASS)	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	046-00-048	AS REQD.	W'STRIPPING (FABRIC COATED FOAM)		SCHLEGEL Q-LON .375 X .190
12	050-00-759	4/LITE	GLASS STOP (7/16" GLASS)	6063-T6	-
13	050-00-000	AS REQD.	GLAZING TAPE (.090 THICK)		TREMCO #440
14	007-10-016	2	SWEEP LOCK (AT 6-3/4" FROM ENDS)	ZINC CAST	MARBOLLO INT.
15	046-16-030	2	BLOCK AND TACKLE BALANCE		WINDOW COMPONENTS (5/8" BOX)
16	-	-	-		-
17	000-00-000	AS REQD.	GLAZING WEDGE		WIBORG VINYL / WV-8160
18	-	2	REINFORCING BARS FULL LENGTH	STEEL	1-1/2" X 1/4"
19	000-00-000	2	VENT GUIDE	NYLON	1/2" X 7/8" X 3/8"HI. - W/ #6 X 1/2"
20	000-00-000	1	ALUM ANGLE (1X1-1/4X1/8"X3"LG) AT MIDSPAN	6063-T5	FASTENED WITH (2) #10 X 2 SMS
21		AS REQD.	MTG. RAIL ASSEMBLY SCREW		#10 X 1" PPH SMS
22	047-00-015	AS REQD.	FIN SEAL PILE		ULTRAFAB



NON-IMPACT RESISTANT

SMALL MISSILE IMPACT RESISTANT

GLAZING OPTIONS

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

Aug 18 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *December 07, 2000*
BY *Manuel Lopez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0920.04*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-106SW

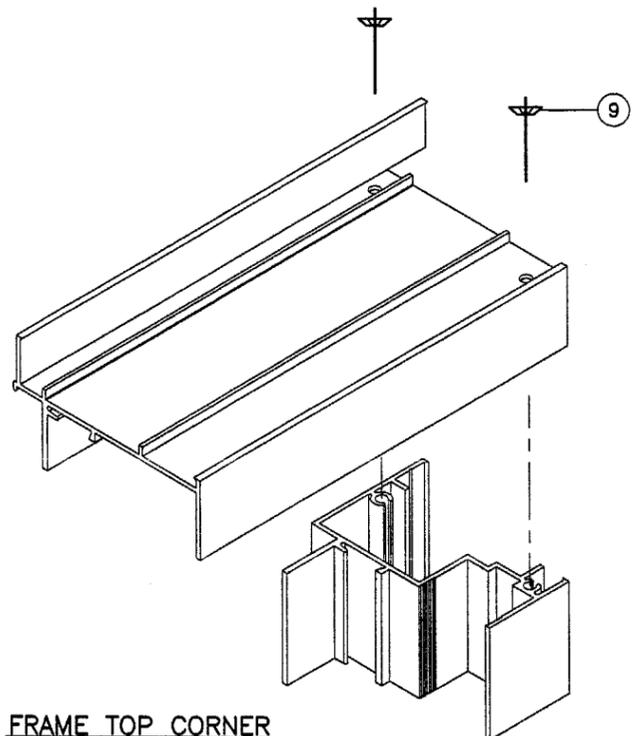
TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
TEL. (305) 591-8990

COASTAL-140 IMPACT SINGLE HUNG WINDOW

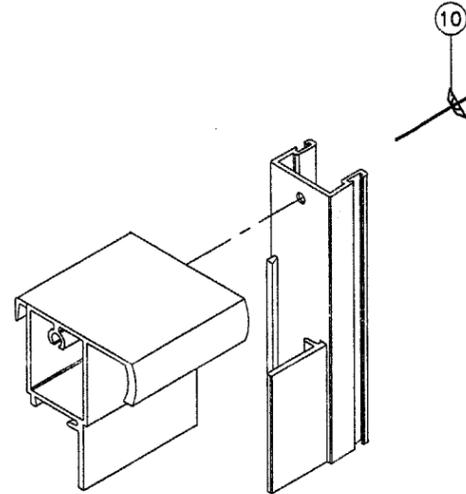
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dr. by: HAMID
chk. by:

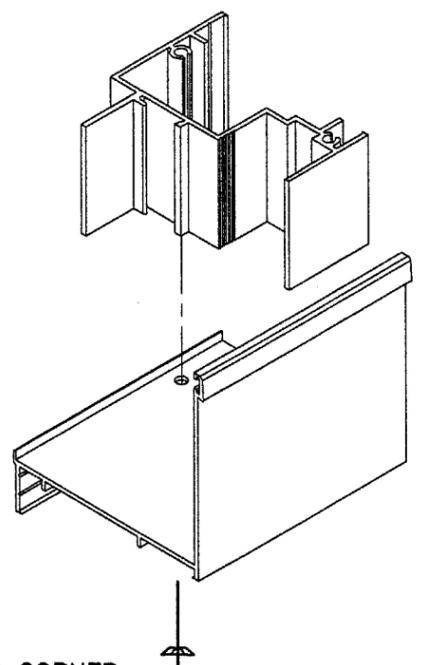
drawing no. **W98-106**
sheet 2 of 5



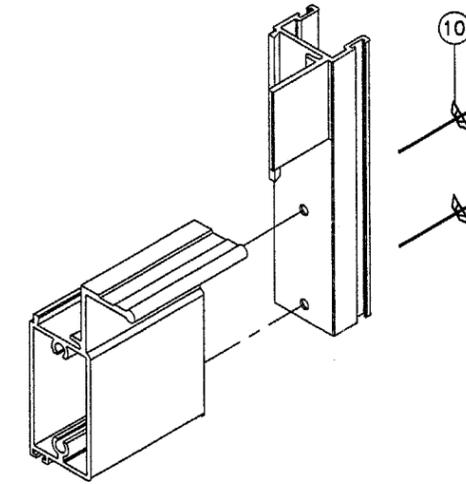
FRAME TOP CORNER



VENT TOP CORNER



FRAME BOTTOM CORNER



VENT BOTTOM CORNER

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

[Signature]

AUG 15 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *December 07, 2000*
BY *Manuel Terry*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0920.04*

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\W98-106SW

COASTAL-140 IMPACT SINGLE HUNG WINDOW
TRACO SECURITY WINDOWS & DOORS INC.
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revisions:	no	date	by	description

date: 12-21-98	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no.		W98-106	
sheet 3 of 5			

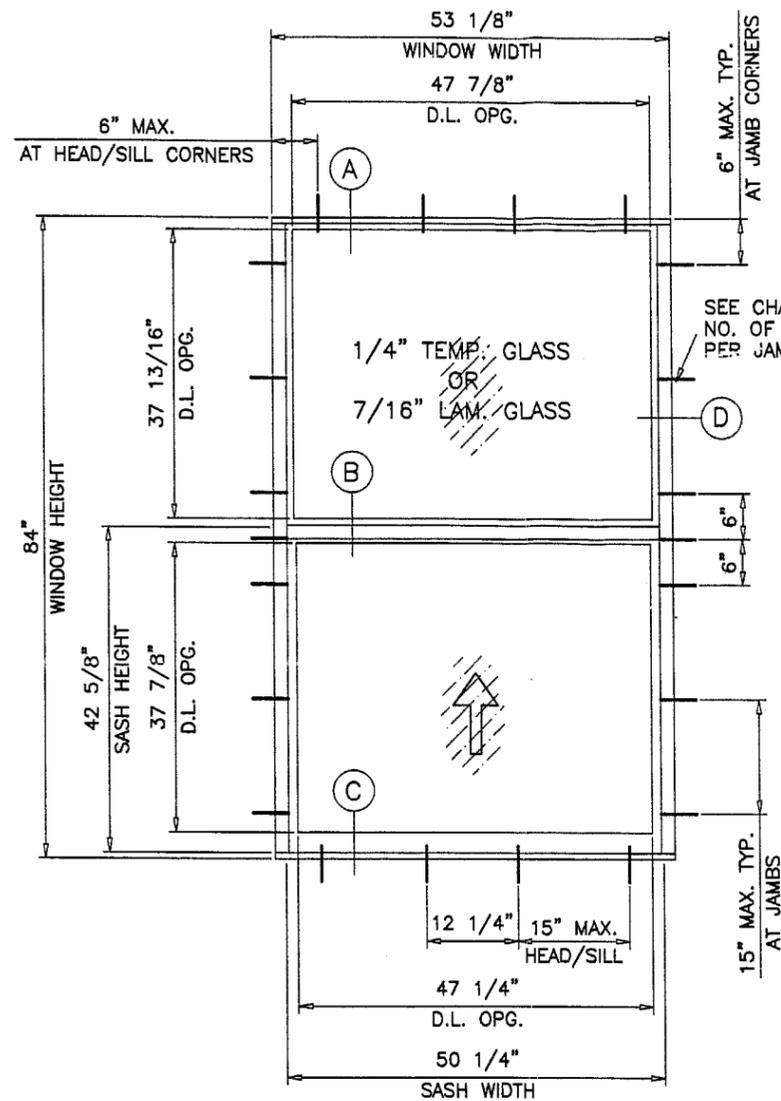
UNREINFORCED MEETING RAIL					
DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		3/16" TAPCONS		1/4" TAPCONS	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8'	38-3/8' (5) *	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	137.0	102.0	137.0
53-1/8'		102.0	134.9	102.0	137.0
19-1/8'	50-5/8' (5)	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	137.0	102.0	137.0
53-1/8'		102.0	102.3	102.0	137.0
19-1/8'	58' (7)	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	137.0	102.0	137.0
53-1/8'		102.0	125.0	102.0	137.0
19-1/8'	63' (7)	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	137.0	102.0	137.0
53-1/8'		102.0	115.0	102.0	137.0
19-1/8'	74-1/4' (7)	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	137.0	102.0	137.0
53-1/8'		102.0	97.6	102.0	137.0
19-1/8'	84' (7)	102.0	137.0	102.0	137.0
26-1/2'		102.0	137.0	102.0	137.0
37'		102.0	123.9	102.0	137.0
53-1/8'		102.0	86.3	102.0	137.0

* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB

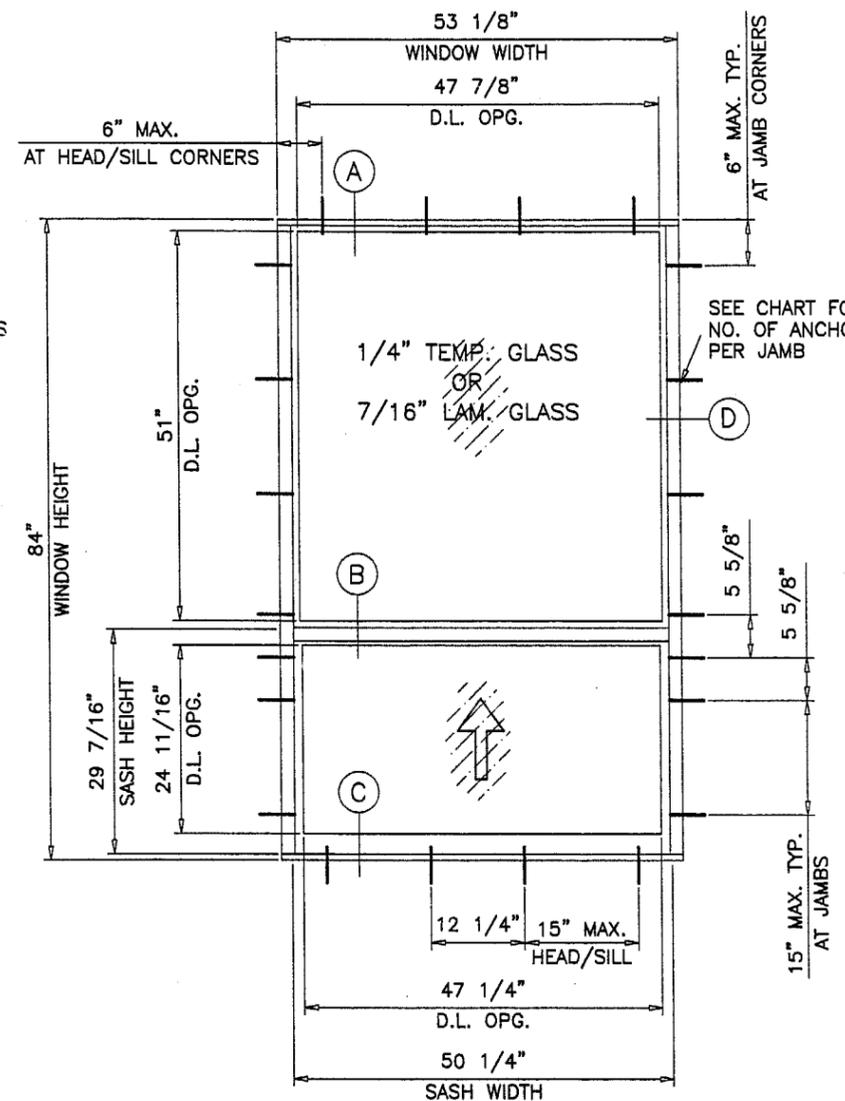
1/4' TEMPERED GLASS
NON IMPACT RESISTANT WINDOWS
SHUTTERS REQUIRED FOR ALL INSTALLATIONS.

7/16" LAMINATED GLASS
SMALL MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED FOR INSTALLATIONS
ABOVE 30 FT. OF GRADE.

SEE SHEET 2 FOR GLAZING DETAILS.



TYPICAL ELEVATION
EQUAL LITES



TYPICAL ELEVATION
UNEQUAL LITES (FULL VIEW)

UN-REINFORCED MEETING RAIL
SEE DETAIL SHEET 1

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

AUG 15 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *December 07, 2000*
BY *Muhammad Serag*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0920.04*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE.
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANLW98-106SW

COASTAL-140 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: 12-21-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W98-106
sheet 4 of 5

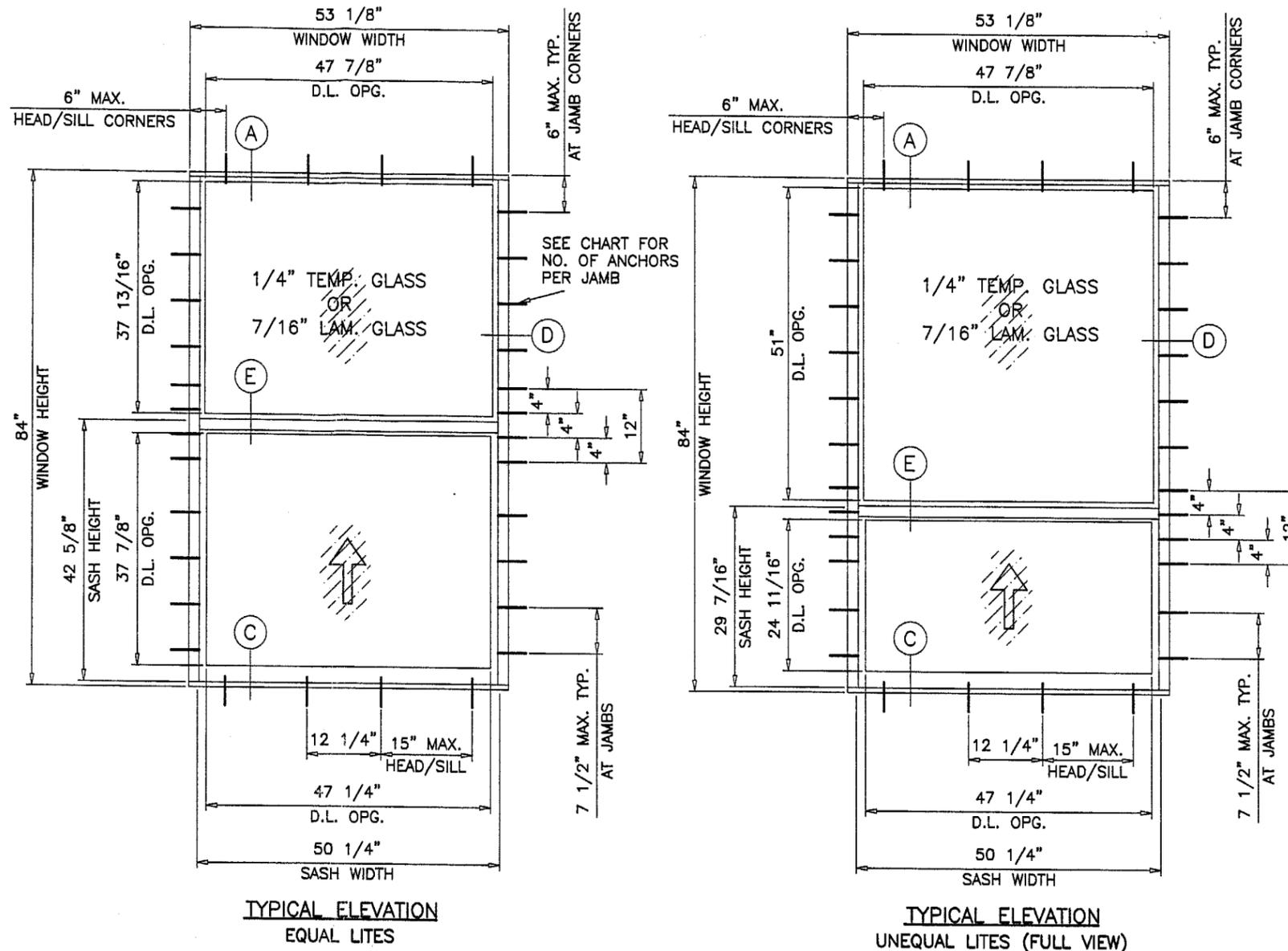
REINFORCED MEETING RAIL			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		1/4" TAPCONS	
WIDTH	HEIGHT	EXT. (+)	INT. (-)
19-1/8'	38-3/8'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6
19-1/8'	50-5/8'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6
19-1/8'	58'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6
19-1/8'	63'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6
19-1/8'	74-1/4'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6
19-1/8'	84'	102.0	226.6
26-1/2'		102.0	226.6
37'		102.0	226.6
53-1/8'		102.0	226.6

* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB

1/4' TEMPERED GLASS
NON IMPACT RESISTANT WINDOWS
SHUTTERS REQUIRED FOR ALL INSTALLATIONS.

7/16" LAMINATED GLASS
SMALL MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED FOR INSTALLATIONS
ABOVE 30 FT. OF GRADE.

SEE SHEET 2 FOR GLAZING DETAILS.



REINFORCED MEETING RAIL
SEE DETAIL SHEET 1

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

~~AUG 15 2000~~

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE December 07, 2000
BY Manuel Ferrer
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 90-0920.04

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W98-106SW

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

no	date	by description

revisions:
no date by description

date: 12-21-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W98-106
sheet 5 of 5