



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

TRACO Security Windows & Doors, Inc.
5100 N.W. 72nd Avenue
Miami FL 33166

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

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

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

Your application for Product Approval of:

Series 340 Aluminum Single Hung Window - 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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-1028.02

Expires: 03/10/2003

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 03/10/2000

1 of 3



Security Windows and Doors

ACCEPTANCE No.: 99-1028.02

APPROVED : MAR 10 2000

EXPIRES : MAR 10 2003

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

1. SCOPE

1.1 This 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 340; Aluminum Single Hung Window – Impact Resistant**, and its components shall be constructed in strict compliance with the following document: Drawing No. **W99-75**, titled “Series-340 Impact Single Hung Window,” Sheet 1 thru 3 of 3, dated 10/18/99, 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 of an aluminum single hung window, as shown approved drawings.

4. INSTALLATION:

4.1 The aluminum single hung window and its components shall be constructed 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.

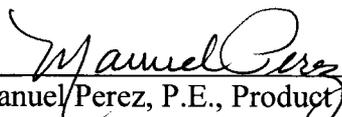
5. LABELING

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 two copies of the following:

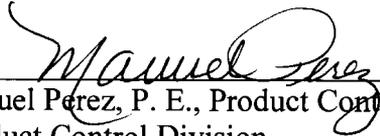
- 6.1.1** This Notice of Acceptance.
- 6.1.2** Duplicate copies of the approved drawings, as identified in section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



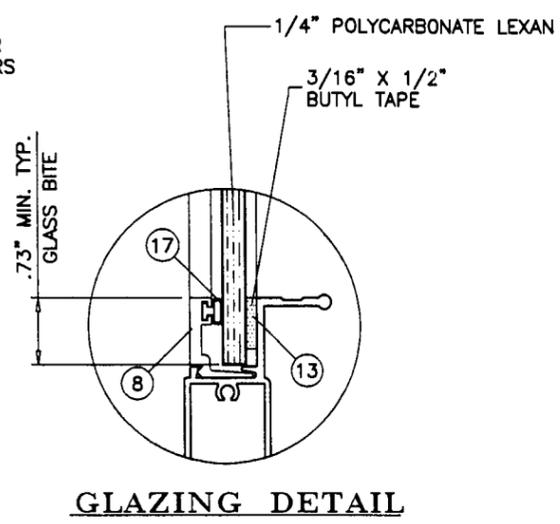
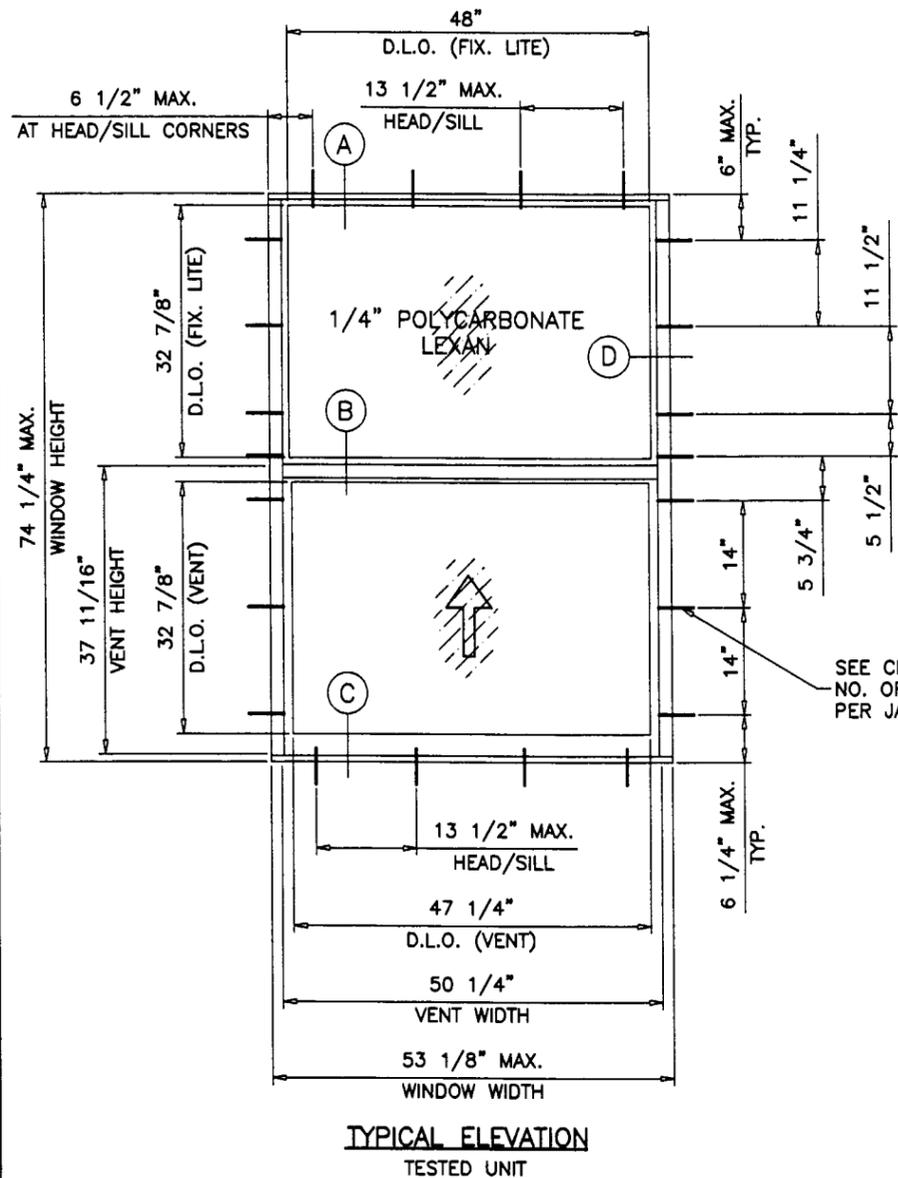
Manuel Perez, P.E., Product Control Examiner
Product Control Division

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 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 times. The engineer does not need to reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, this last page 3.

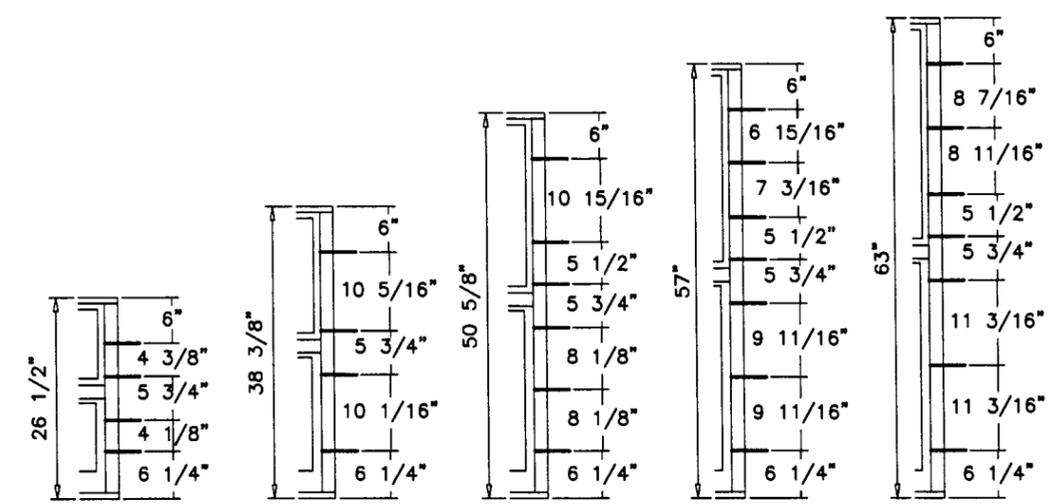

Manuel Perez, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF					
		1/4" POLYCARBONATE LEXAN					
WIDTH	HEIGHT	ANCHORS 'A'		ANCHORS 'B'		ANCHORS 'C'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	38-3/8" (4)	90.0	110.0	90.0	110.0	90.0	110.0
26-1/2"		90.0	110.0	90.0	110.0	90.0	110.0
37"		90.0	97.4	90.0	110.0	90.0	110.0
53-1/8"		67.8	67.8	87.0	87.0	90.0	109.1
19-1/8"	50-5/8" (6)	90.0	110.0	90.0	110.0	90.0	110.0
26-1/2"		90.0	110.0	90.0	110.0	90.0	110.0
37"		90.0	110.0	90.0	110.0	90.0	110.0
53-1/8"		77.1	77.1	90.0	98.9	90.0	110.0
19-1/8"	57" (7)	90.0	110.0	90.0	110.0	90.0	110.0
26-1/2"		90.0	110.0	90.0	110.0	90.0	110.0
37"		90.0	110.0	90.0	110.0	90.0	110.0
53-1/8"		78.5	78.5	90.0	100.8	90.0	110.0
19-1/8"	63" (7)	90.0	110.0	90.0	110.0	90.0	110.0
26-1/2"		90.0	110.0	90.0	110.0	90.0	110.0
37"		90.0	103.8	90.0	110.0	90.0	110.0
53-1/8"		72.3	72.3	90.0	92.8	90.0	110.0
19-1/8"	74-1/4" (7)	90.0	110.0	90.0	110.0	90.0	110.0
26-1/2"		90.0	110.0	90.0	110.0	90.0	110.0
37"		88.1	88.1	90.0	110.0	90.0	110.0
53-1/8"		61.3	61.3	78.7	78.7	90.0	98.6

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



ANCHOR SPACING AT JAMBS FOR VARIOUS HEIGHTS
NOTE: ANCHOR SPACING MAY BE ROUNDED TO THE NEAREST FULL INCH.

LARGE MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED

TYPICAL ANCHORS:

- A = # 10 SMS
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD
- B = 3/16" TAPCONS (BY ELCO) OR
EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD
- C = 3/16" TAPCONS (BY ELCO) OR
EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.
THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

SEALANTS:

FRAME CORNERS AND FIXED RAIL AT ENDS SEALED WITH SILICONE.
VENT AND FIXED RAIL SEAMS AND ASSEMBLY SCREWS SEALED WITH
WHITE/ALUM COLORED SEALANT.

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.

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

OCT 20 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE March 10, 2000
BY Manuel...
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1028-02

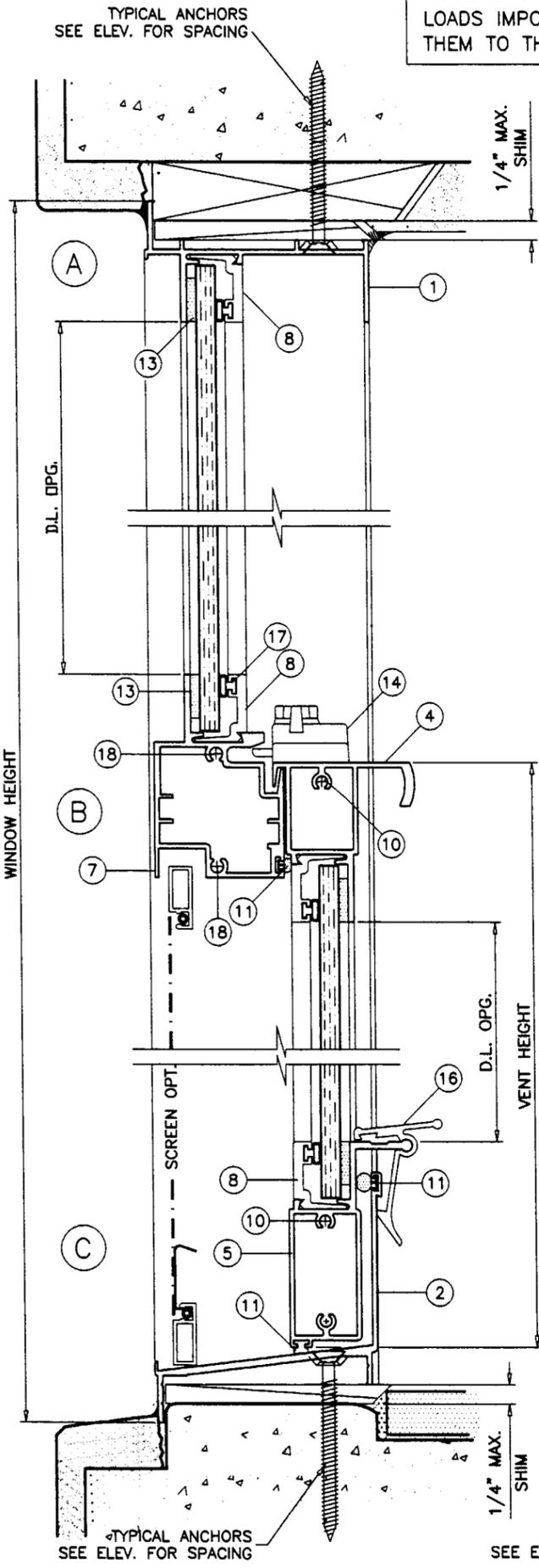
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W99-7515

SERIES-340 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:	10-18-99	scale:	1/2" = 1"	
dr. by:	HAMID	chk. by:		
drawing no.	W99-75			
sheet	1 of 3			

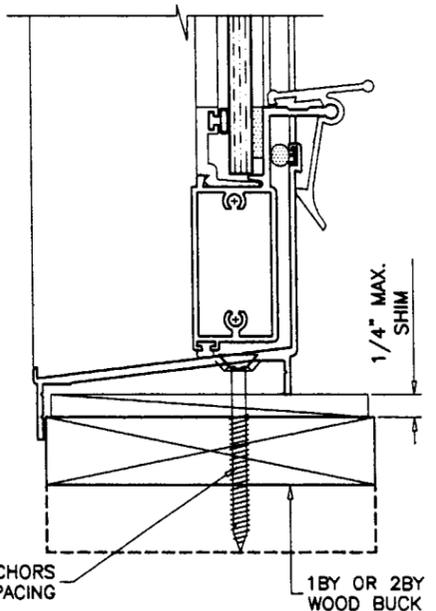
EXTERIOR WINDOW HEIGHT

D.L. DPG.



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

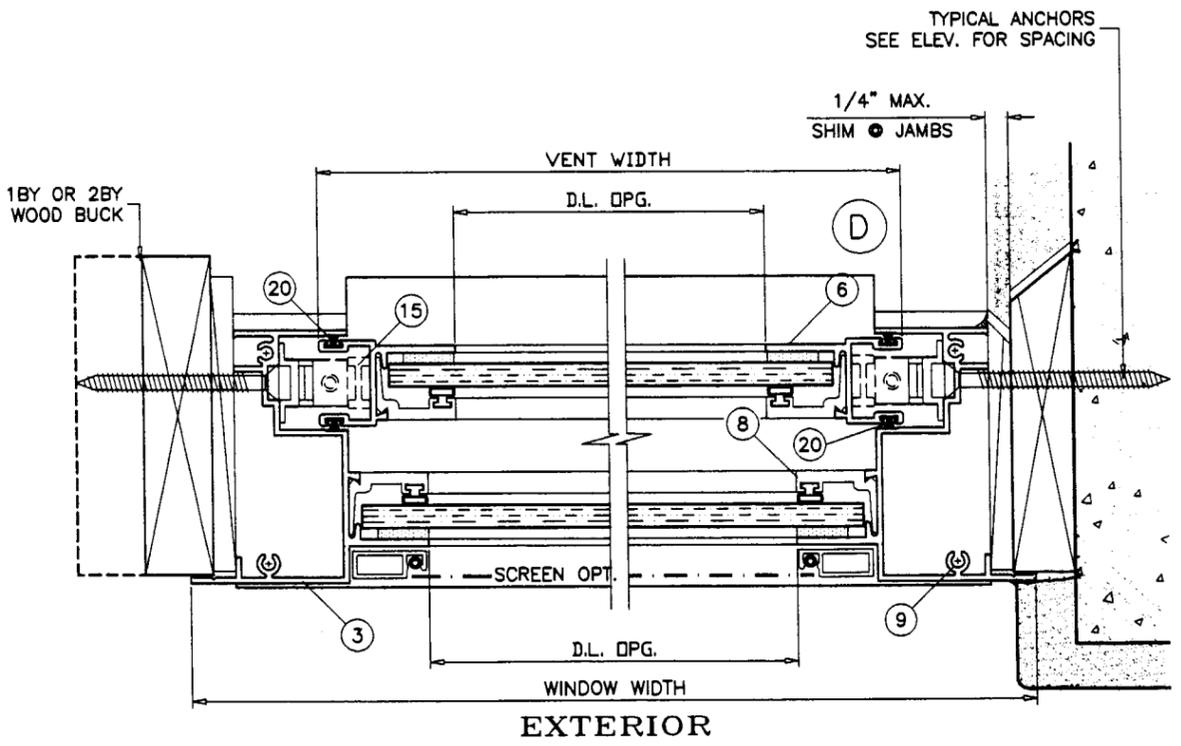
TYPICAL ANCHORS SEE ELEV. FOR SPACING



1BY OR 2BY WOOD BUCK

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	050-00-572	1	FRAME HEAD	6063-T6	-
2	050-00-308	1	FRAME SILL	6063-T6	-
3	050-00-586	2	FRAME JAMB	6063-T5	-
4	051-00-571	1	VENT TOP	6063-T6	-
5	051-00-548	1	VENT BOTTOM	6063-T5	-
6	050-00-570	2	VENT SIDE	6063-T6	-
7	051-00-573	1	FIXED MEETING RAIL	6063-T6	-
8	050-00-569	4/	LITE GLASS STOP	6063-T6	-
9	012-00-835	AS REQD.	FRAME ASSEMBLY SCREW		#8 X 1" PPH SMS
10	012-00-835	AS REQD.	VENT ASSEMBLY SCREW		#8 X 1" PPH SMS
11	046-00-098	AS REQD.	W'STRIPPING (FABRIC COATED FOAM)		SCHLEGEL Q-LON .375 X .190
12	-	-	-	-	-
13	026-00-337	AS REQD.	GLAZING TAPE	BUTYL	3/16" X 1/2"
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	050-00-718	1	SNAP LATCH 3" LONG W/ SPRING	6063-T5	AT MID WIDTH
17	046-00-010	AS REQD.	BULB VINYL		WIBORG
18	012-00-130	4	MTG. RAIL ASSEMBLY SCREW	ST. STEEL	#10 X 1" PPH SMS
19	-	-	-	-	-
20	047-00-001	AS REQD.	FIN SEAL PILE		AMESBURY 180X150 OR EQUIV.

TYPICAL ANCHORS SEE ELEV. FOR SPACING



EXTERIOR

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

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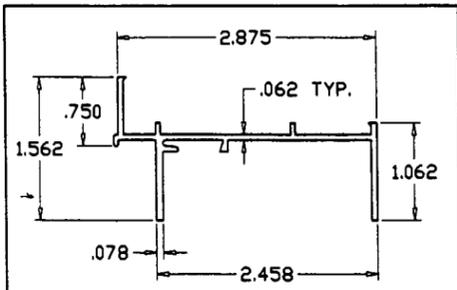
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Revisions:

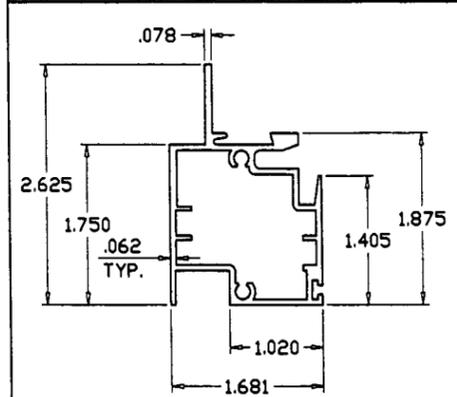
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date: 10-18-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

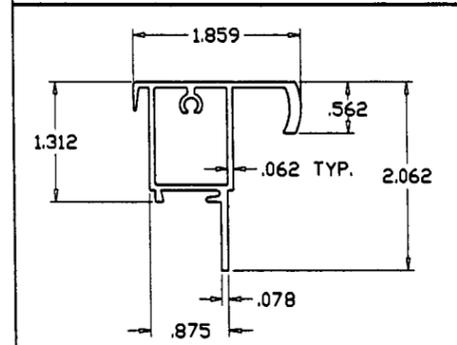
drawing no.
W99-75
sheet 2 of 3



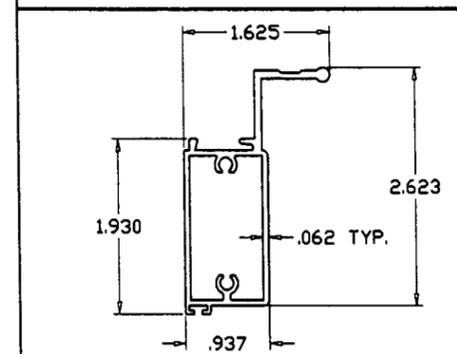
FRAME HEAD



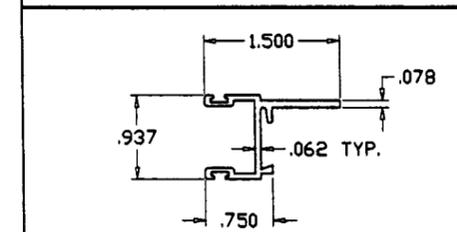
MEETING RAIL



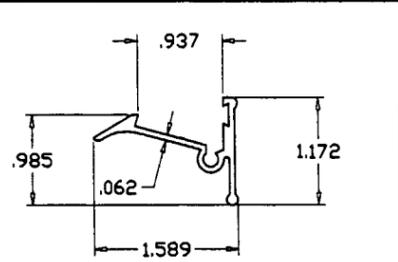
BOTTOM VENT TOP RAIL



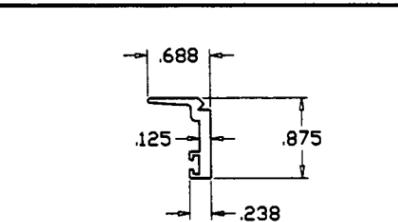
BOTTOM VENT BOTTOM RAIL



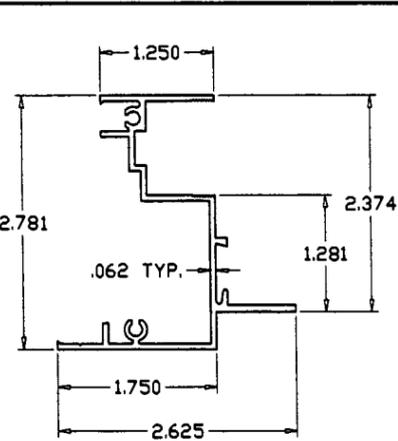
SASH SIDE RAIL



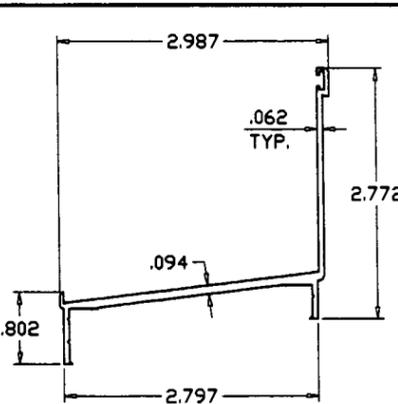
LATCH



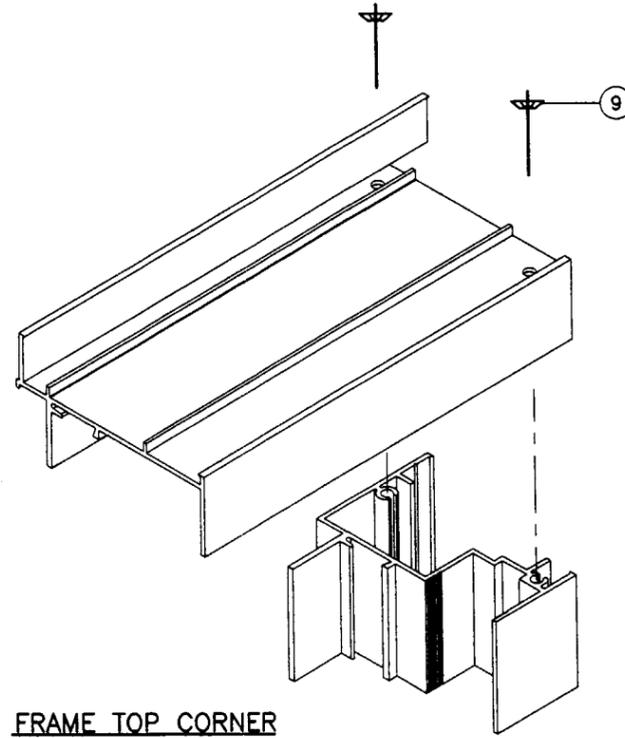
GLASS STOP



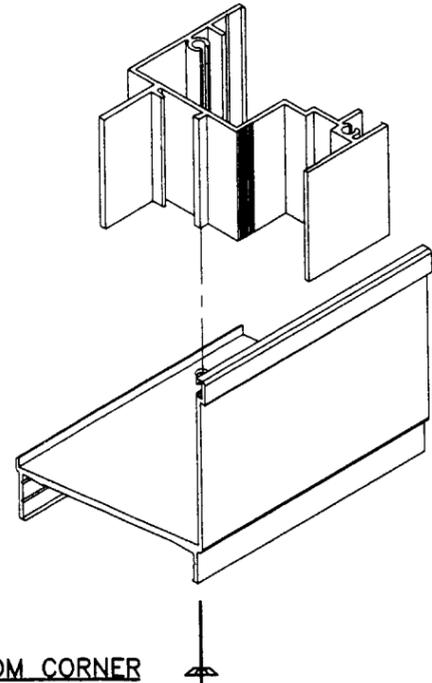
FRAME JAMB



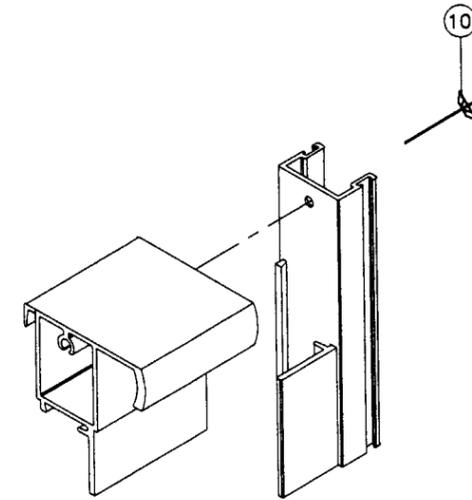
FRAME SILL



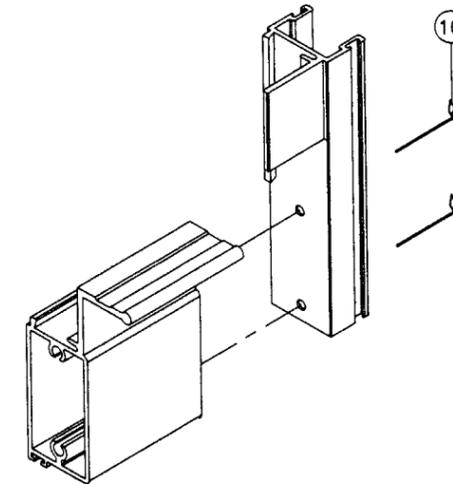
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

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

[Signature]

OCT 20 1999

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date: 10-18-99
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chk. by:

drawing no.
W99-75

sheet 3 of 3