



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

K.D. Windows, Inc.
3705 Shares Place
Riviera Beach ,FL 33404

Your application for Notice of Acceptance (NOA) of:

Aluminum Single Hung Window Impact/Non 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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0711.03
EXPIRES: 01/09/2003

**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: 10/18/2001

KD Windows

ACCEPTANCE: 01-0711.03

APPROVED: October 18, 2001

EXPIRES: January 9, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This revises the manufacturer's name of Notice of Acceptance (NOA) No. 00-0214.07, which was issued on March 10, 2000, for the approval of 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 **Aluminum Single Hung Window - Impact and non Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **W96-21**, titled "Single Hung Window", Sheets 1 through 8 of 8, dated 06/25/96, with latest revision "D" dated 6/6/01, signed (signature date 6/8/01) 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. 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.

4. INSTALLATION

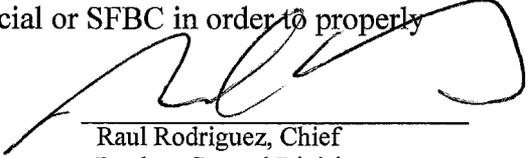
- 4.1 The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

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 SFBC in order to properly evaluate the installation of this system.


Raul Rodriguez, Chief
Product Control Division

KD Windows

ACCEPTANCE: 01-0711.03

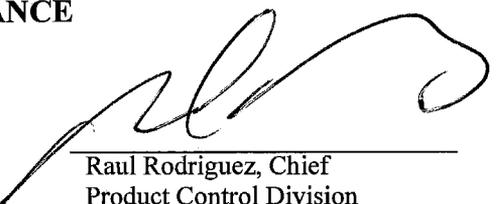
APPROVED: October 18, 2001

EXPIRES: January 9, 2003

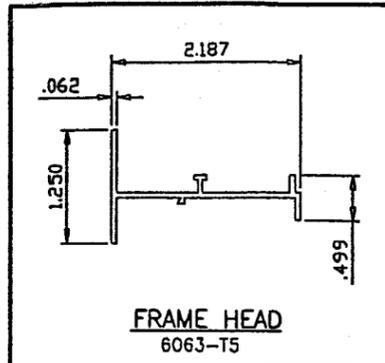
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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



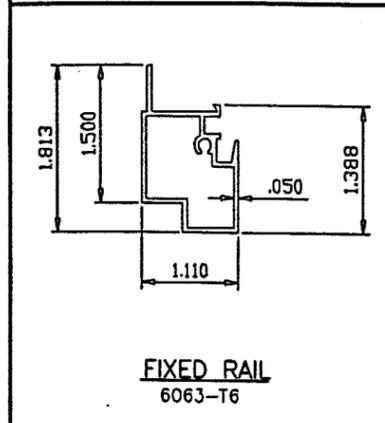
Raul Rodriguez, Chief
Product Control Division



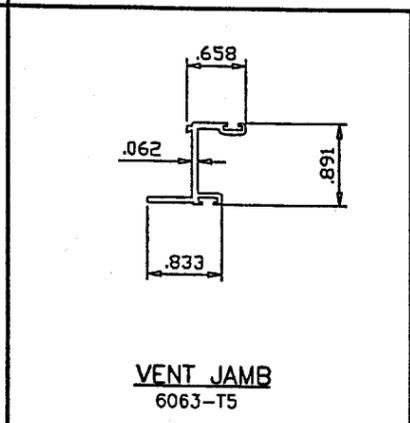
FRAME HEAD
6063-T5

**SECTION DETAILS FOR
INSIDE GLAZED WINDOWS
(SEE SHEET 2)**

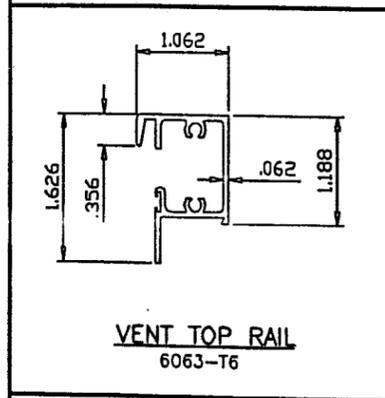
ALL FRAME AND VENT CORNERS TO BE SEALED WITH
SCHNEE-MOREHEAD SEAM SEALER OR EQUIVALENT (ALL TYPES)



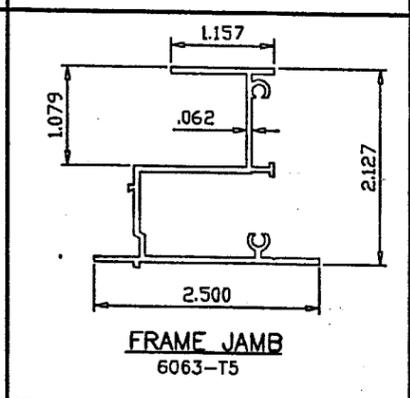
FIXED RAIL
6063-T6



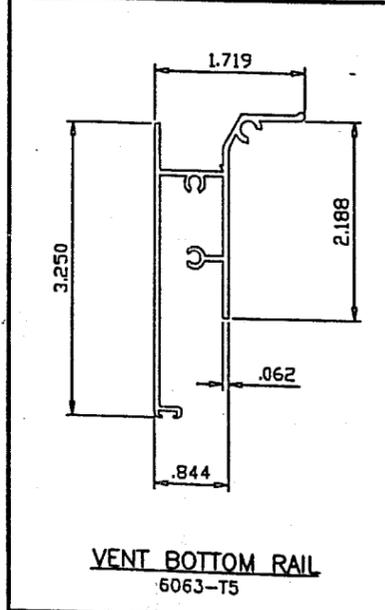
VENT JAMB
6063-T5



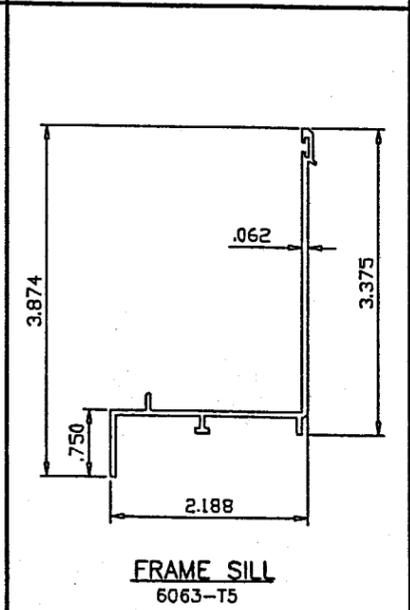
VENT TOP RAIL
6063-T6



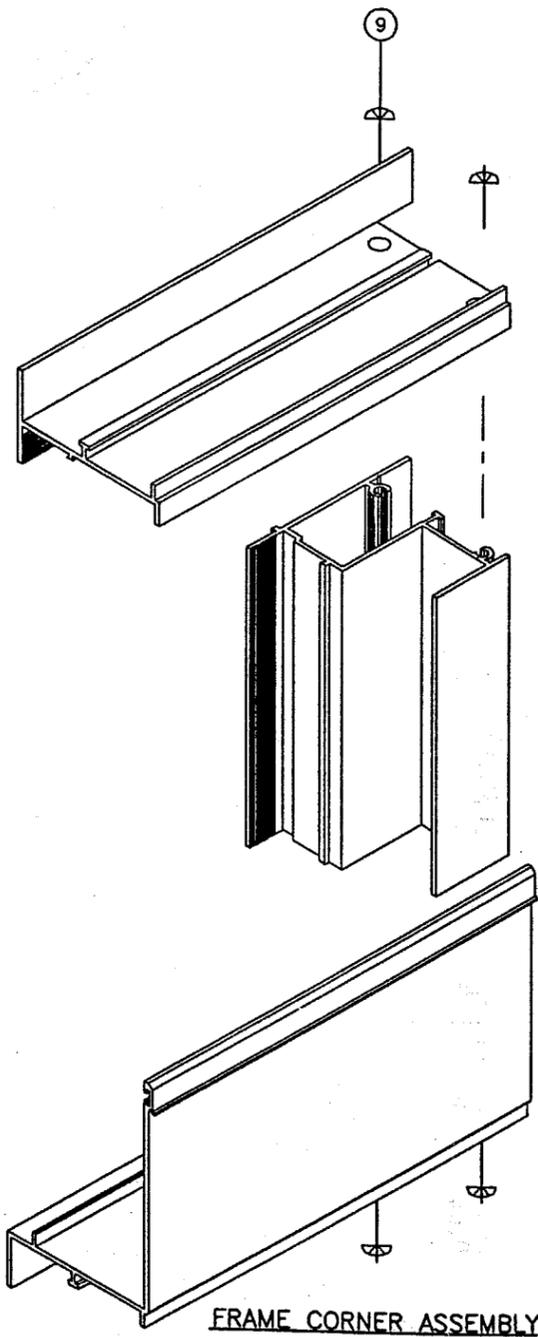
FRAME JAMB
6063-T5



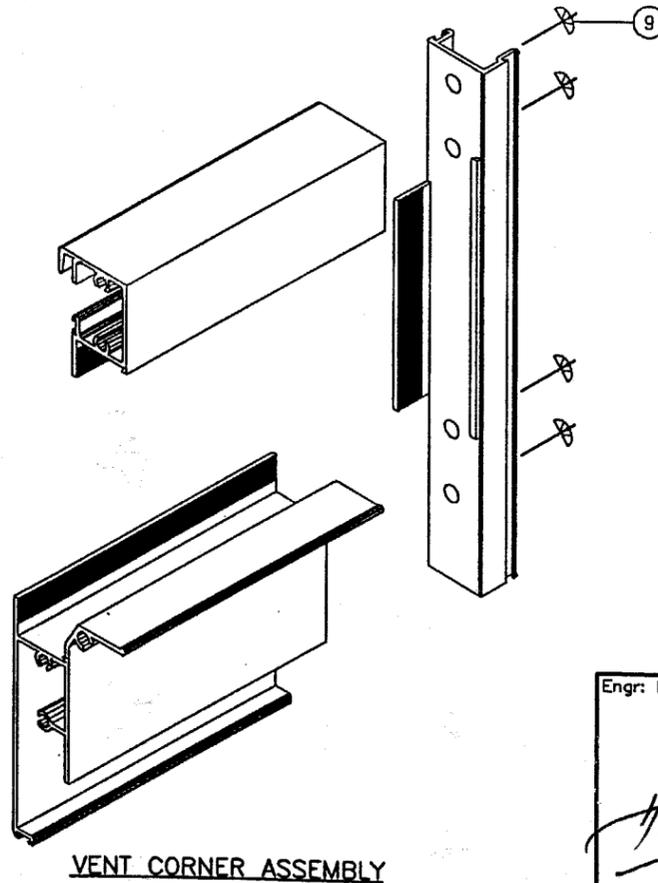
VENT BOTTOM RAIL
6063-T5



FRAME SILL
6063-T5



FRAME CORNER ASSEMBLY



VENT CORNER ASSEMBLY

INSIDE GLAZED WINDOW				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	-	1	FRAME HEAD	6063-T5
2	-	1	FRAME SILL	6063-T5
3	-	2	FRAME JAMB	6063-T5
4	-	1	MEETING RAIL	6063-T6
5	-	1	SASH TOP RAIL	6063-T6
6	-	1	SASH BOTTOM RAIL	6063-T5
7	-	2	SASH SIDE RAIL	6063-T5
8	-	-	-	-
9	-	14	ASSEMBLY SCREWS	# 8 X 1" P.H. PHILIPS CRS
10	-	4	FACE GUIDES	2/ SASH SIDE RAIL
11	-	AS REQD.	SASH LATCH	MOLDED PLASTIC + SPRING
12	-	AS REQD.	FIN SEAL PILE	-
13	-	-	-	-
14	-	-	-	-
15	-	AS REQD.	ALUM GLAZING BEAD	ROLL FORMED ALUM.
16	-	2	BLOCK & TACKLE BALANCE	5/8" BOX
17	-	-	-	-

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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *OCT. 18, 2001*
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *01-0711.03*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W96-21AW

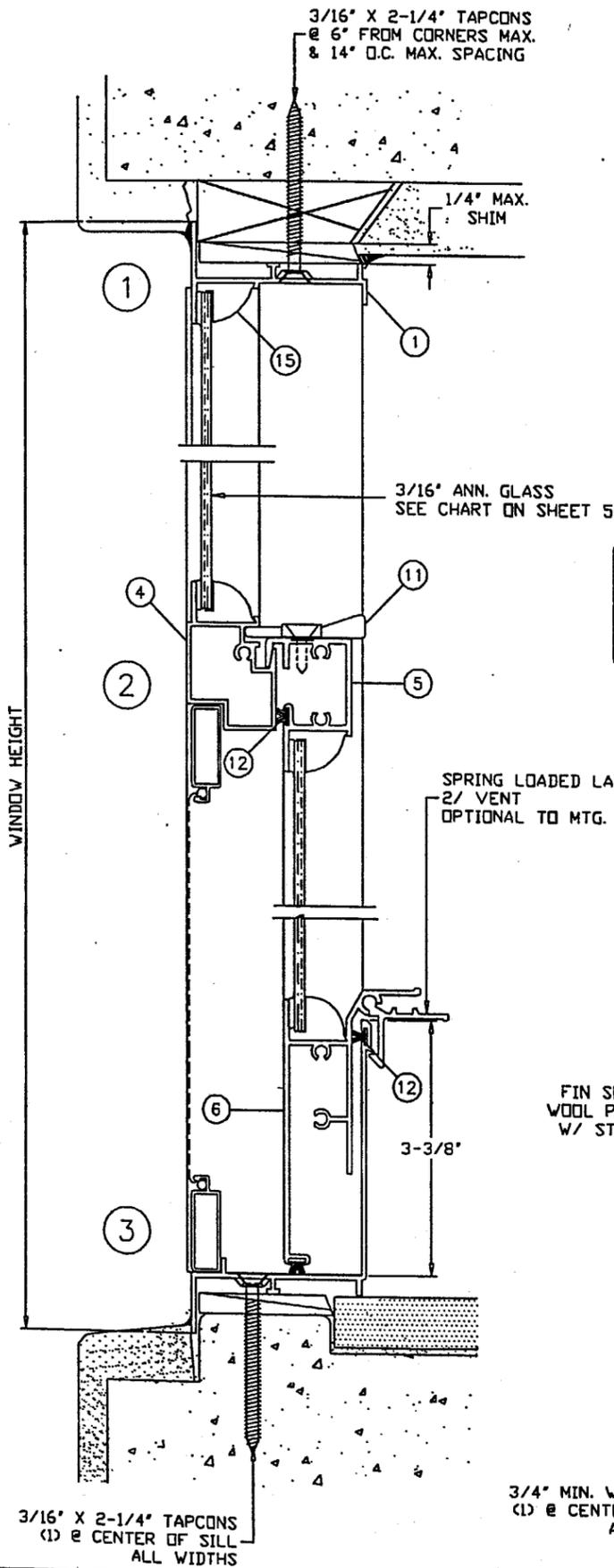
ALUMINUM SINGLE HUNG WINDOW
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL.(561) 845-1401 FAX(-) -

no	date	by	description
A	11.21.96	H	GENERAL REVISION
B	01.26.98	H	GENERAL REVISION
C	03.09.98	H	1/4" ANCHORS ADDED
D	05.05.98	H	GENERAL REVISION
E	06.06.01	H	CO. NAME CHANGED

date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-21

sheet 1 of 8

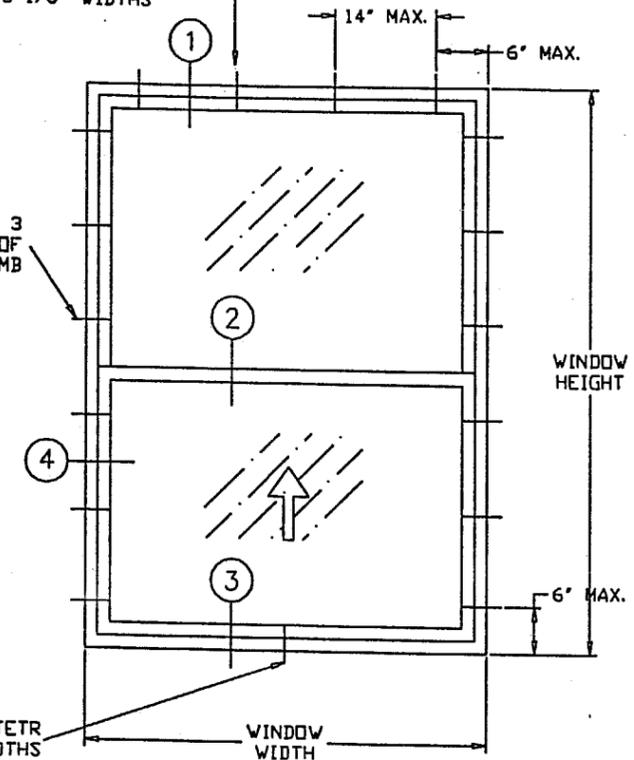


**INSIDE GLAZED WINDOW
SHUTTERS REQUIRED**

2 ANCHORS UPTO 26" WIDTHS
3 ANCHORS > 26" TO 40" WIDTHS
4 ANCHORS > 40" TO 53-1/8" WIDTHS

SEE CHART ON SHEET 3 FOR NUMBER AND SIZE OF ANCHORS PER JAMB

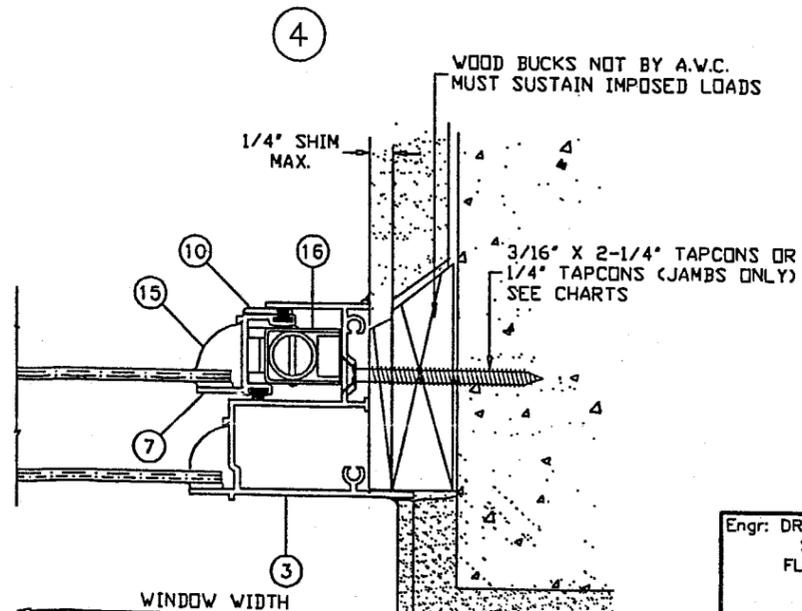
ANCHOR AT CENTER REQD. FOR ALL WIDTHS



TYPICAL ELEVATION

NOTES:

1. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
2. ANCHOR CONDITIONS NOT DESCRIBED IN THIS APPROVAL TO BE ENGINEERED SEPARATELY.



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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *Oct. 18, 2001*
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *01-0711.03*

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 W96-21AW

ALUMINUM SINGLE HUNG WINDOW
KD Windows
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL. (561) 845-1401 FAX(-) -

no.	date	description

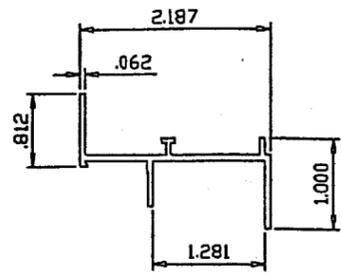
revisions:
date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.

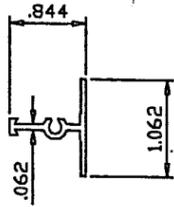
W96-21

sheet 2 of 8

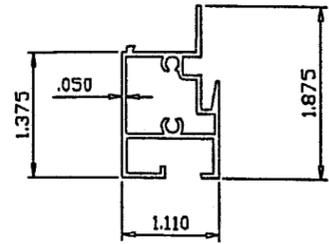
SECTION DETAILS FOR
OUTSIDE GLAZED WINDOWS
(SEE SHEETS 4 & 6)



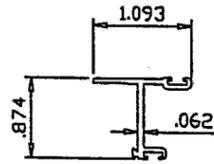
FRAME HEAD
6063-T6



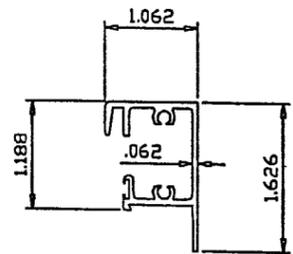
MUNTIN
6063-T6



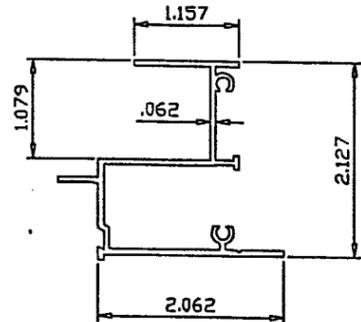
FIXED RAIL
6063-T6



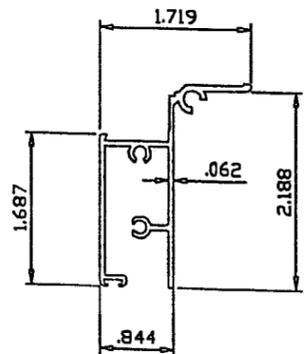
VENT JAMB
6063-T5



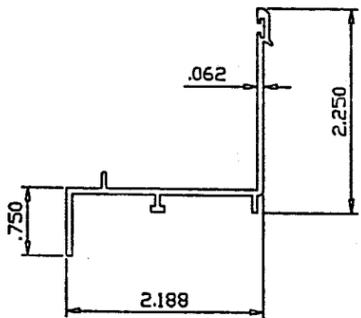
VENT TOP RAIL
6063-T6



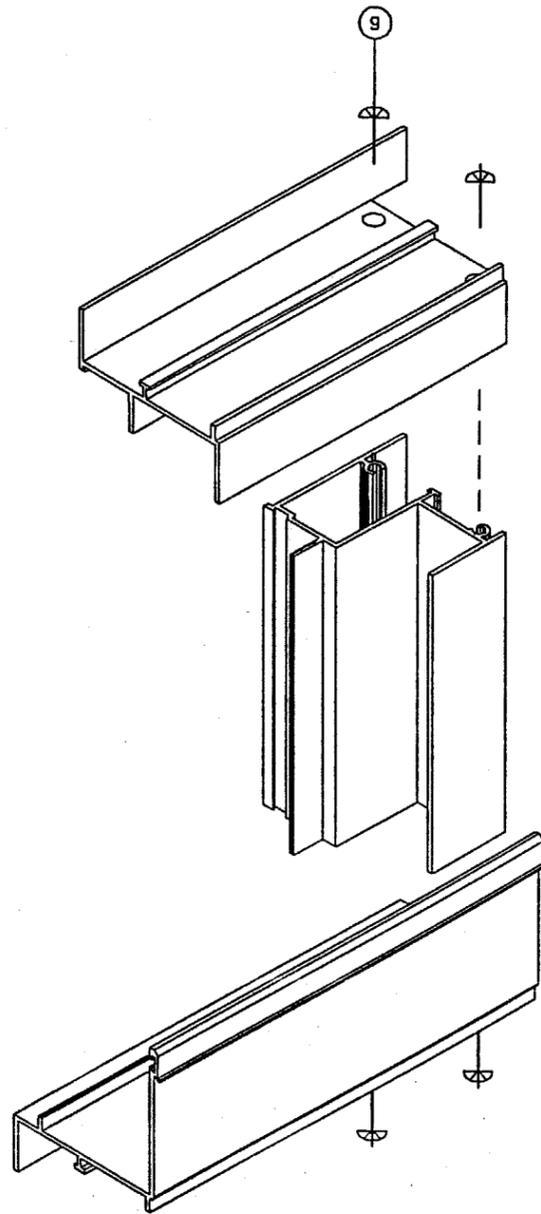
FRAME JAMB
6063-T5



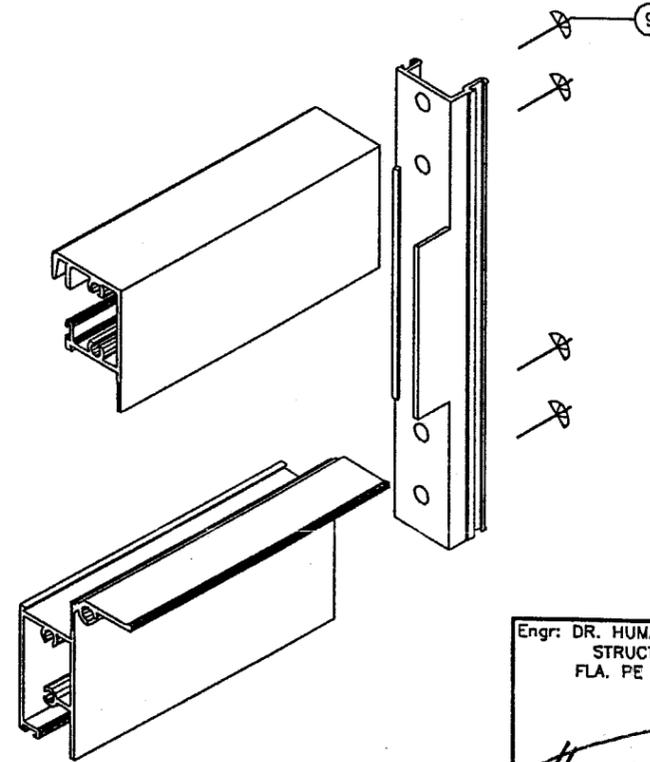
VENT BOTTOM RAIL
6063-T5



FRAME SILL
6063-T5



FRAME CORNER ASSEMBLY



VENT CORNER ASSEMBLY

OUTSIDE GLAZED WINDOW				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	-	1	FRAME HEAD	6063-T5
2	-	1	FRAME SILL	6063-T5
3	-	2	FRAME JAMB	6063-T5
4	-	1	MEETING RAIL	6063-T6
5	-	1	SASH TOP RAIL	6063-T6
6	-	1	SASH BOTTOM RAIL	6063-T5
7	-	2	SASH SIDE RAIL	6063-T5
8	-	AS REQD.	MUNTIN	6063-T5
9	-	14	ASSEMBLY SCREWS	# 8 X 1" P.H. PHILIPS CRS
10	-	4	FACE GUIDES	2/ SASH SIDE RAIL
11	-	AS REQD.	SASH LATCH	MOLDED PLASTIC + SPRING
12	-	AS REQD.	FIN SEAL PILE	-
13	-	-	-	-
14	-	-	-	-
15	-	AS REQD.	ALUM GLAZING BEAD	ROLL FORMED ALUM.
16	-	2	BLOCK & TACKLE BALANCE	5/8" BOX
17	-	-	-	-

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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Oct. 18, 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0711.03

af

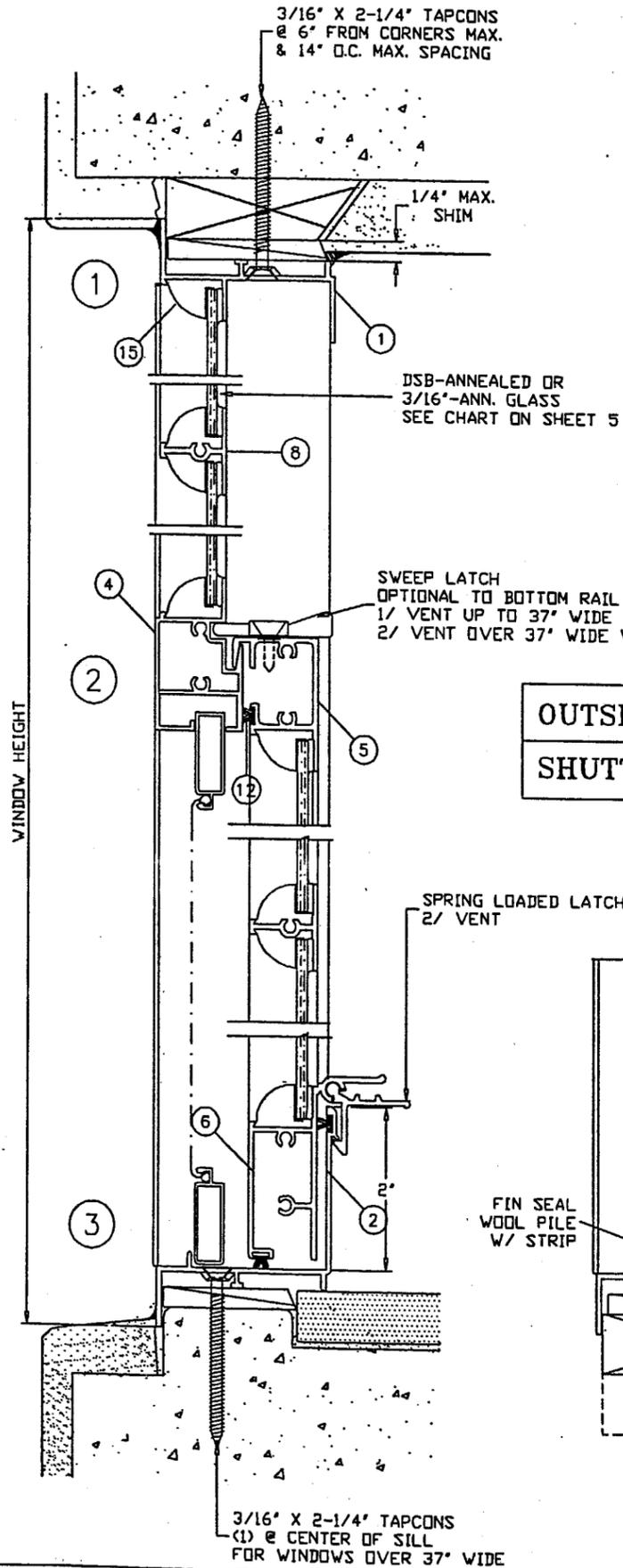
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W96-21AW

ALUMINUM SINGLE HUNG WINDOW
KD Windows
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL.(561) 845-1401 FAX(-) -

no	date	by	description

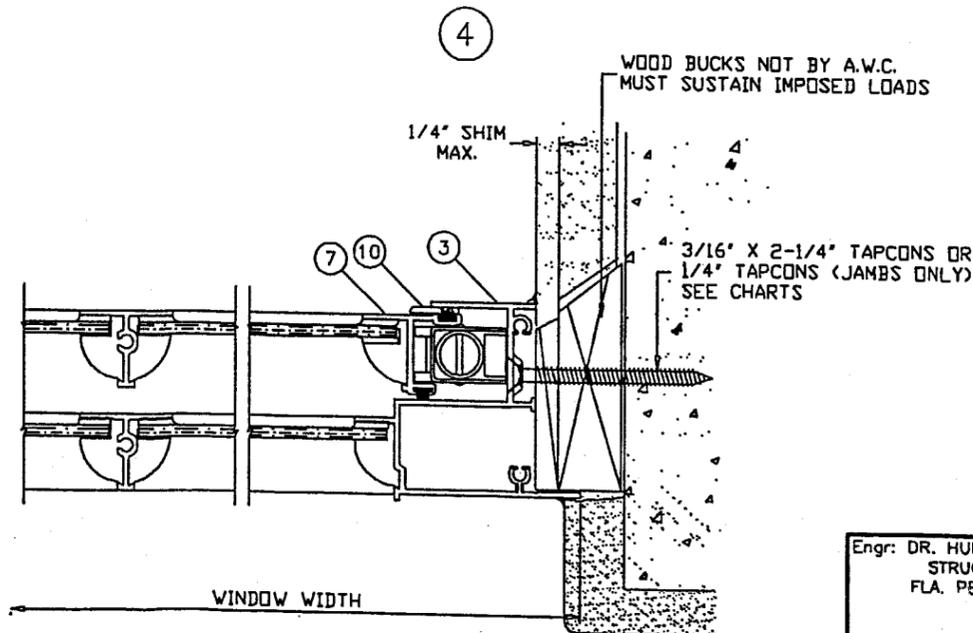
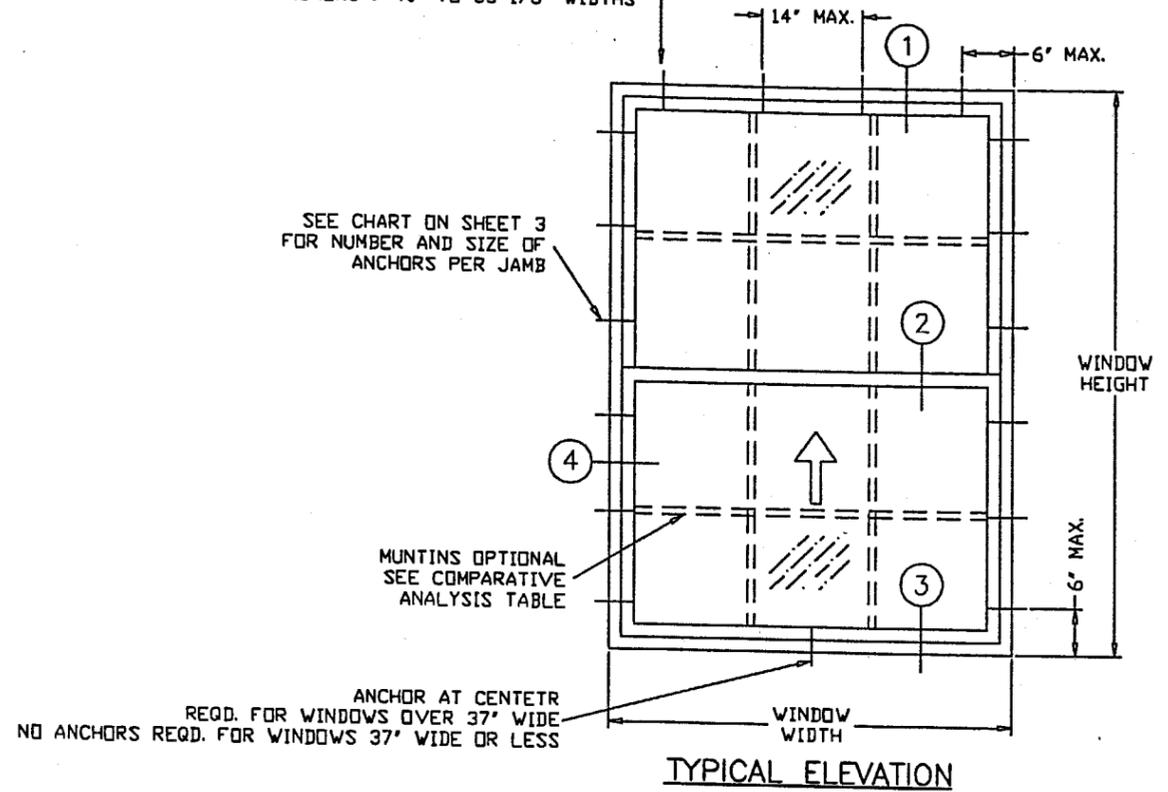
date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-21
sheet 3 of 8



**OUTSIDE GLAZED WINDOW
SHUTTERS REQUIRED**

2 ANCHORS UPTO 26" WIDTHS
3 ANCHORS > 26" TO 40" WIDTHS
4 ANCHORS > 40" TO 53-1/8" WIDTHS



**OUTSIDE GLAZED WINDOW
SHUTTERS REQUIRED**

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

[Signature]
JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Oct 18, 2001
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0711.03

afc

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

ALUMINUM SINGLE HUNG WINDOW
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL (561) 845-1401 FAX (-) -

KD
Windows

revisions:	no	date	by	description

date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-21

Sheet 4 of 8

COMP-ANL W96-21AW

MAXIMUM DESIGN LOADS - PSF

OUTSIDE GLAZED WINDOWS

WINDOW DIMS.		3/16" TAPCONS AT JAMBS, HEAD AND SILL						1/4" TAPCONS AT JAMBS ONLY			
		WINDOW TYPE 'A'		WINDOW TYPE 'B'		WINDOW TYPE 'C'		WINDOW TYPE 'A'		WINDOW TYPE 'B'	
		1/1 WITH DSB-ANN. GLASS		1/1 WITH 3/16"-ANN. GLASS		TRUE COLONIAL W/ DSB-ANN. GLASS		1/1 WITH DSB-ANN. GLASS		1/1 WITH 3/16"-ANN. GLASS	
WIDTH	HEIGHT	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.
19-1/8'	26' Ⓐ = 3	61.3	286.1	61.3	286.1	61.3	244.7	61.3	373.0	61.3	540.1
26-1/2'		61.3	206.5	61.3	206.5	61.3	154.5	61.3	235.5	61.3	341.0
37'		61.3	147.9	61.3	147.9	61.3	101.3	61.3	154.4	61.3	223.6
53-1/8'	38-3/8' Ⓐ = 3	61.3	101.0	61.3	103.0	32.5	36.6	61.3	101.0	61.3	146.3
19-1/8'		61.3	151.9	61.3	151.9	61.3	151.9	61.3	234.8	61.3	312.9
26-1/2'		61.3	109.6	61.3	109.6	61.3	109.6	61.3	156.8	61.3	225.8
37'	50-5/8' Ⓐ = 4	61.3	78.5	61.3	78.5	61.3	76.4	61.3	106.4	61.3	161.7
53-1/8'		56.4	54.7	61.3	54.7	22.7	25.5	56.4	71.3	61.3	106.1
19-1/8'		61.3	155.6	61.3	155.6	61.3	155.6	61.3	171.4	61.3	312.9
26-1/2'	58' Ⓐ = 5	61.3	112.3	61.3	112.3	61.3	112.3	61.3	114.4	61.3	208.7
37'		61.3	77.7	61.3	80.4	57.9	65.2	61.3	77.7	61.3	141.5
53-1/8'		46.0	52.0	61.3	56.0	-	-	46.0	52.0	61.3	86.5
19-1/8'	63' Ⓐ = 6	61.3	147.4	61.3	174.2	61.3	174.2	61.3	147.4	61.3	269.0
26-1/2'		61.3	98.4	61.3	125.7	61.3	114.4	61.3	98.4	61.3	179.4
37'		61.3	66.8	61.3	90.0	54.7	61.6	61.3	66.8	61.3	121.7
53-1/8'	74-1/4' Ⓐ = 6	42.0	44.7	61.3	62.7	-	-	42.0	44.7	61.3	79.1
19-1/8'		61.3	134.7	61.3	196.4	61.3	196.4	61.3	134.7	61.3	245.7
26-1/2'		61.3	89.9	61.3	141.7	61.3	114.4	61.3	89.9	61.3	163.9
37'	74-1/4' Ⓐ = 6	61.0	61.0	61.3	101.5	53.3	60.0	61.0	61.0	61.3	111.1
53-1/8'		40.0	40.9	60.0	70.7	-	-	40.0	40.9	60.0	74.3
19-1/8'		61.3	112.7	61.3	160.9	61.3	160.9	61.3	112.7	61.3	205.5
26-1/2'	74-1/4' Ⓐ = 6	61.3	75.3	61.3	116.1	61.3	114.4	61.3	75.3	61.3	137.1
37'		51.1	51.1	61.3	83.2	-	-	51.1	51.1	61.3	93.0
53-1/8'		-	-	-	-	-	-	34.2	34.2	53.7	62.2

Ⓐ = NO. OF ANCHORS PER JAMB.

MAX. DESIGN LOADS-PSF

INSIDE GLAZED WINDOWS

WINDOW DIMS.		3/16" TAPCONS AT JAMBS, HEAD AND SILL				1/4" TAPCONS AT JAMBS ONLY			
		WINDOW TYPE 'D'		WINDOW TYPE 'D'		WINDOW TYPE 'D'		WINDOW TYPE 'D'	
		1/1 WITH 3/16"-ANN. GLASS		1/1 WITH 3/16"-ANN. GLASS		1/1 WITH 3/16"-ANN. GLASS		1/1 WITH 3/16"-ANN. GLASS	
WIDTH	HEIGHT	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.
19-1/8'	26' Ⓐ = 3	90.0	286.1	90.0	518.0	90.0	206.5	90.0	327.0
26-1/2'		90.0	206.5	90.0	327.0	90.0	147.9	90.0	214.4
37'		90.0	147.9	90.0	214.4	90.0	103.0	90.0	146.3
53-1/8'	38-3/8' Ⓐ = 4	48.8	77.5	48.8	77.5	90.0	101.0	90.0	146.3
19-1/8'		90.0	227.8	90.0	312.9	90.0	156.8	90.0	225.8
26-1/2'		90.0	164.4	90.0	225.8	90.0	106.4	90.0	161.7
37'	50-5/8' Ⓐ = 6	90.0	117.8	90.0	161.7	90.0	71.3	90.0	106.1
53-1/8'		34.0	54.1	34.0	54.1	90.0	101.0	90.0	146.3
19-1/8'		90.0	259.3	90.0	312.9	90.0	171.4	90.0	312.9
26-1/2'	58' Ⓐ = 6	90.0	187.1	90.0	208.7	90.0	114.4	90.0	208.7
37'		86.9	134.0	86.9	138.0	90.0	77.7	90.0	141.5
53-1/8'		-	-	26.9	42.7	90.0	52.0	90.0	86.5
19-1/8'	63' Ⓐ = 6	90.0	217.7	90.0	269.0	90.0	147.4	90.0	179.4
26-1/2'		90.0	157.1	90.0	179.4	90.0	114.4	90.0	121.7
37'		82.1	112.5	82.1	121.7	90.0	66.8	90.0	79.1
53-1/8'	74-1/4' Ⓐ = 6	-	-	24.2	38.4	90.0	44.7	90.0	79.1
19-1/8'		90.0	196.4	90.0	245.7	90.0	196.4	90.0	245.7
26-1/2'		90.0	141.7	90.0	163.9	90.0	114.4	90.0	163.9
37'	74-1/4' Ⓐ = 6	80.0	101.5	80.0	111.1	90.0	61.0	90.0	111.1
53-1/8'		-	-	-	-	90.0	40.9	90.0	74.3
19-1/8'		90.0	160.9	90.0	205.5	90.0	160.9	90.0	205.5
26-1/2'	74-1/4' Ⓐ = 6	90.0	116.1	90.0	137.1	90.0	114.4	90.0	137.1
37'		-	-	77.5	93.0	90.0	83.2	90.0	93.0
53-1/8'		-	-	-	-	90.0	-	90.0	-

Ⓐ = NO. OF ANCHORS PER JAMB.

NON-IMPACT COMPARATIVE ANALYSIS PA 202-94
SHUTTERS REQD. FOR ALL INSTALLATIONS USING THESE CHARTS

TESTS PERFORMED AT H.E.T.I.							
REPORT #	SAMPLE	SIZE	*	GLASS	DESIGN PRESSURES + PSF - PSF		
HETI-95-1050	1	37" X 63"	O.G.	DSB-ANN.	53.3	60.0	TRUE MUNTINS
	2	37" X 63"	I.G.	3/16"-ANN.	67.0	133.3	
	3	37" X 63"	I.G.	3/16"-ANN.	80.0	127.0	
	4	37" X 63"	O.G.	DSB-ANN.	60.0	60.0	
	5	53-1/8" X 63"	O.G.	DSB-ANN.	40.0	52.0	
	6	53-1/8" X 63"	O.G.	3/16"-ANN.	60.0	75.3	
HETI-96-1125	1	53-1/8" X 63"	O.G.	3/16"-ANN.	61.0	61.0	TRUE MUNTINS
	2	37" X 63"	O.G.	DSB-ANN.	61.0	61.0	

* I.G. = INSIDE GLAZED
O.G. = OUTSIDE GLAZED

SINGLE HUNG WINDOW

COMPARATIVE ANALYSIS CHART
BASED ON HETI-95-1050 DATED 5-1-96, AS FOLLOWS

- O.GLAZED 1/1 WITH DSB-ANN. GLASS, BASED ON SAMPLE V
- O.GLAZED 1/1 WITH 3/16"-ANN. GLASS, BASED ON SAMPLE VI
- O.GLAZED TRUE COLONIAL WITH DSB-ANN. GLASS, BASED ON SAMPLE I
- I.GLAZED 1/1 WITH 3/16"-ANN. GLASS, BASED ON SAMPLE II

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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Oct. 18, 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0711.03

afc

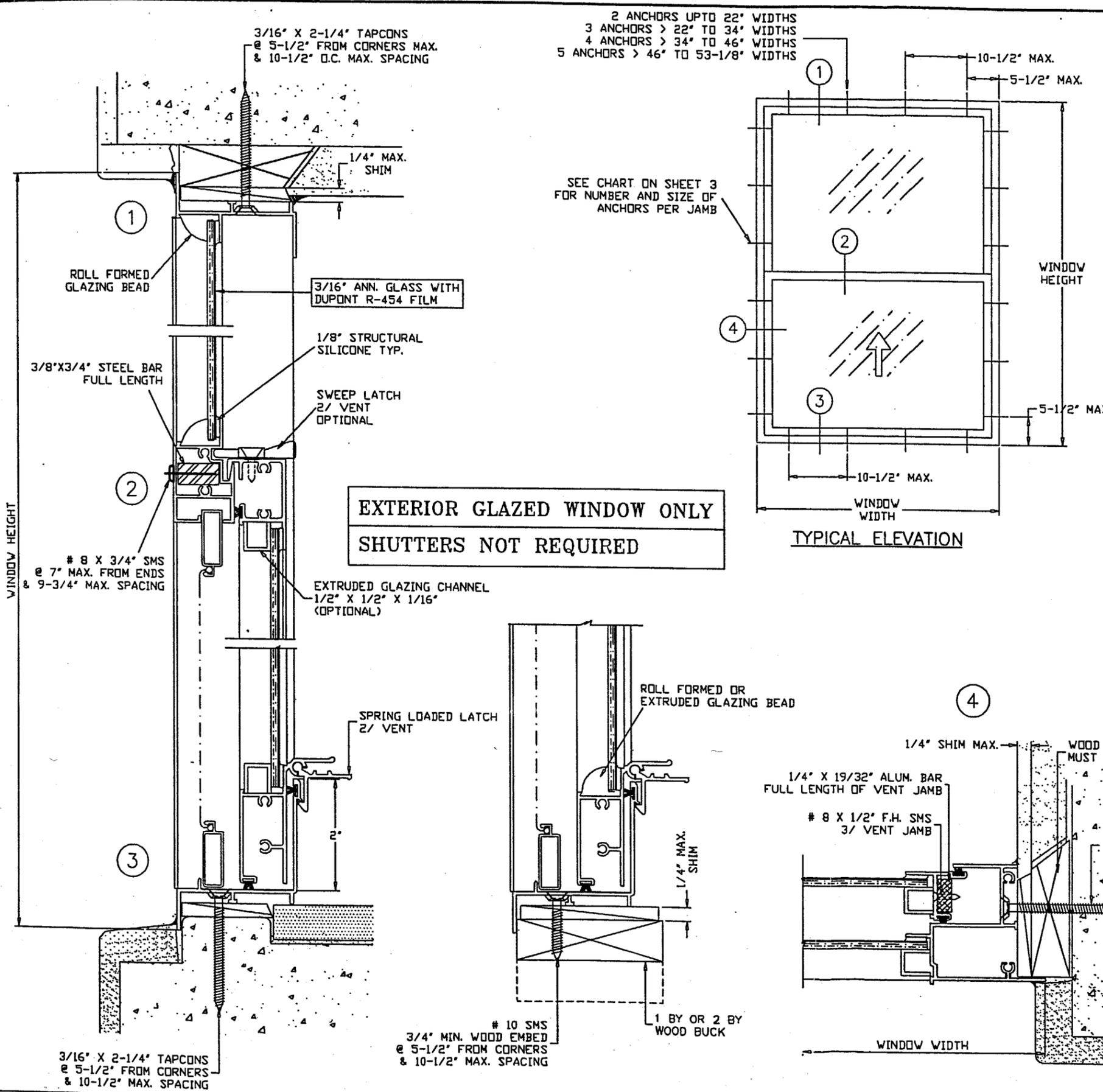
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W96-21AW

ALUMINUM SINGLE HUNG WINDOW
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL (561) 845-1401 FAX(-) -

revisions:	no.	date	by	description

date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-21
sheet 5 of 8



MAXIMUM DESIGN LOADS - PSF					
IMPACT SUPPLEMENTAL CHART (LARGE MISSILE)					
NO SHUTTERS REQUIRED					
WINDOW DIMS.		EXTERIOR GLAZED			
		3/16" ANNEALED GLASS WITH DUPONT R-454 FILM			
		3/16" TAPCONS AT JAMBS, HEAD AND SILL		1/4" TAPCONS AT JAMBS ONLY	
WIDTH	HEIGHT	2" SILL		2" SILL	
		EXT.	INT.	EXT.	INT.
19-1/8"	26"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		50.0	70.0	61.3	70.0
19-1/8"	38-3/8"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		50.0	54.7	61.3	70.0
19-1/8"	50-5/8"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		50.0	56.0	61.3	70.0
19-1/8"	58"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		50.0	62.7	61.3	70.0
19-1/8"	63"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		50.0	70.0	60.0	70.0
19-1/8"	74-1/4"	50.0	70.0	61.3	70.0
26-1/2"		50.0	70.0	61.3	70.0
37"		50.0	70.0	61.3	70.0
53-1/8"		-	-	53.7	62.2

(A) = NO. OF ANCHORS PER JAMB.

PA 201-94 AND PA 203-94
 LARGE MISSILE IMPACT AND
 CYCLIC LOAD TESTS AS PER ATL-0721.01-95

PA 202-94
 UNIFORM LOAD TEST AS PER
 HETI-95-1050 SAMPLE VI

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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE Oct 18, 2001
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0711.03

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W96-21AW

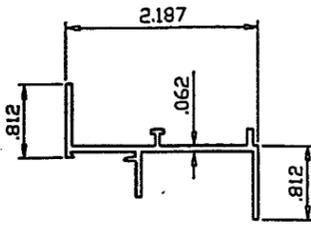
ALUMINUM SINGLE HUNG WINDOW
 KD WINDOWS
 3705 SHARES PLACE
 RIVIERA BEACH, FL. 33404
 TEL. (561) 845-1401 FAX (-)

date: 06-25-96
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

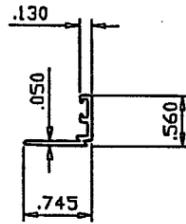
revisions:
 no. date by description

drawing no.
W96-21

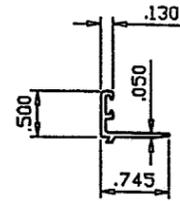
sheet 6 of 8



FRAME HEAD
6063-T5

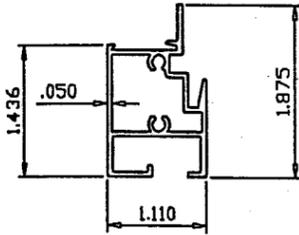


GLAZING ADAPTER
6063-T5

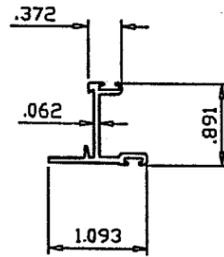


GLAZING ADAPTER FR. JAMB
6063-T5

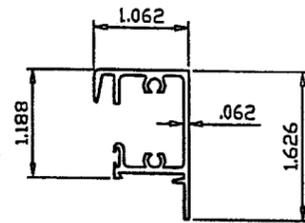
SECTION DETAILS FOR
OUTSIDE GLAZED WINDOWS
(SEE SHEET 8)



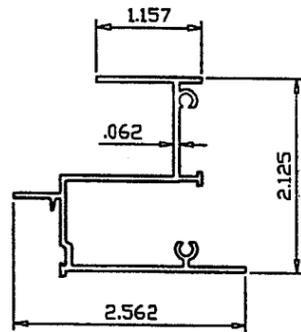
FIXED RAIL
6063-T6



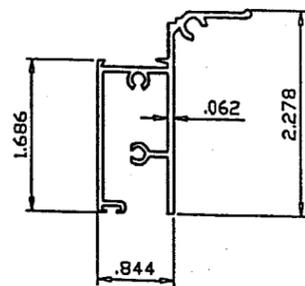
VENT JAMB
6063-T6



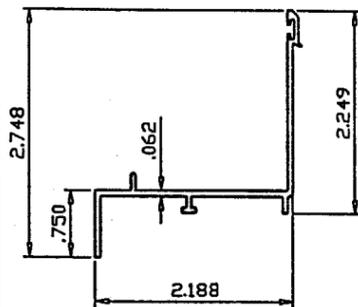
VENT TOP RAIL
6063-T6



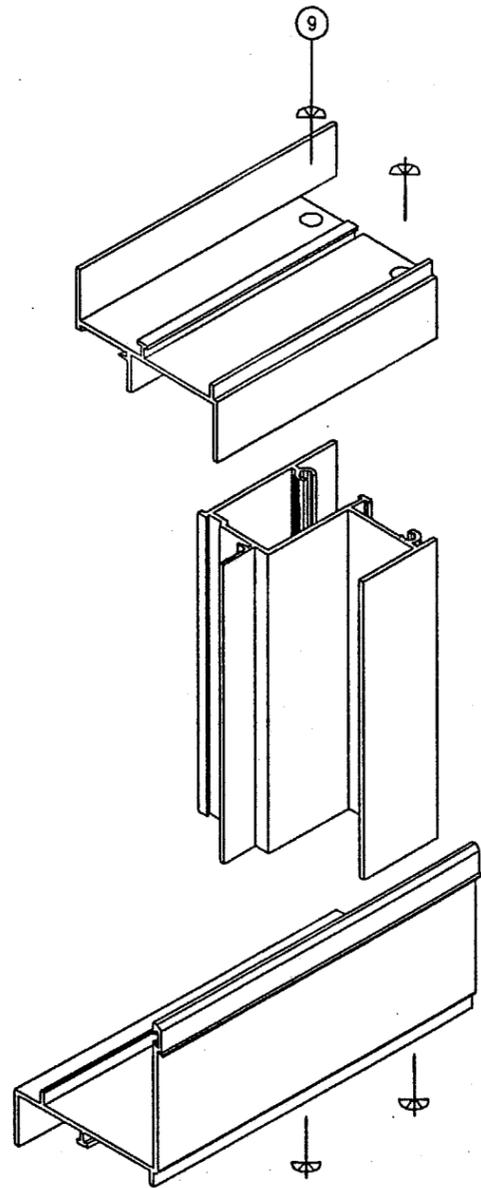
FRAME JAMB
6063-T5



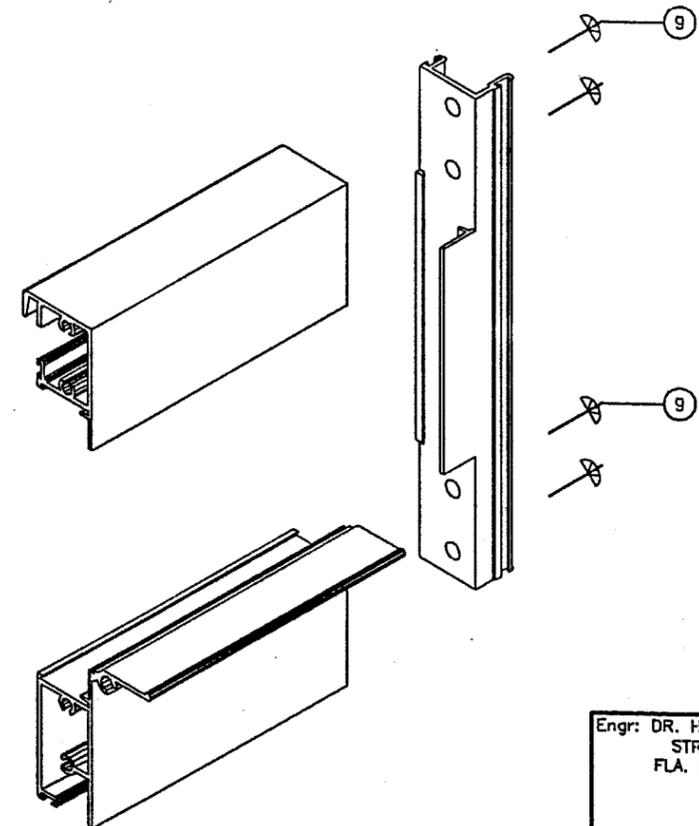
VENT BOTTOM RAIL
6063-T5



FRAME SILL
6063-T5



FRAME CORNER ASSEMBLY



VENT CORNER ASSEMBLY

OUTSIDE GLAZED WINDOW				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	AW-359	1	FRAME HEAD	6063-T5
2	AW-361	1	FRAME SILL	6063-T5
3	AW-353	2	FRAME JAMB	6063-T5
4	AW-357	1	MEETING RAIL	6063-T6
5	AW-356	1	SASH TOP RAIL	6063-T6
6	AW-360	1	SASH BOTTOM RAIL	6063-T5
7	AW-355	2	SASH SIDE RAIL	6063-T6
8	-	-	-	-
9	-	14	ASSEMBLY SCREWS	# 8 X 1" P.H. PHILIPS CRS
10	-	4	FACE GUIDES	2/ SASH SIDE RAIL
11	-	AS REQD.	SASH LATCH	MOLDED PLASTIC + SPRING
12	-	AS REQD.	FIN SEAL PILE	-
13	-	-	-	-
14	-	-	-	-
15	AW-372	AS REQD.	GLAZING ADAPTER	6063-T5
16	-	2	BLOCK & TACKLE BALANCE	5/8" BOX
17	AW-371	AS REQD.	GLAZING ADAPTER FR. JAMB	6063-T5

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

JAN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Oct. 18, 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0711-03

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 W96-21AW

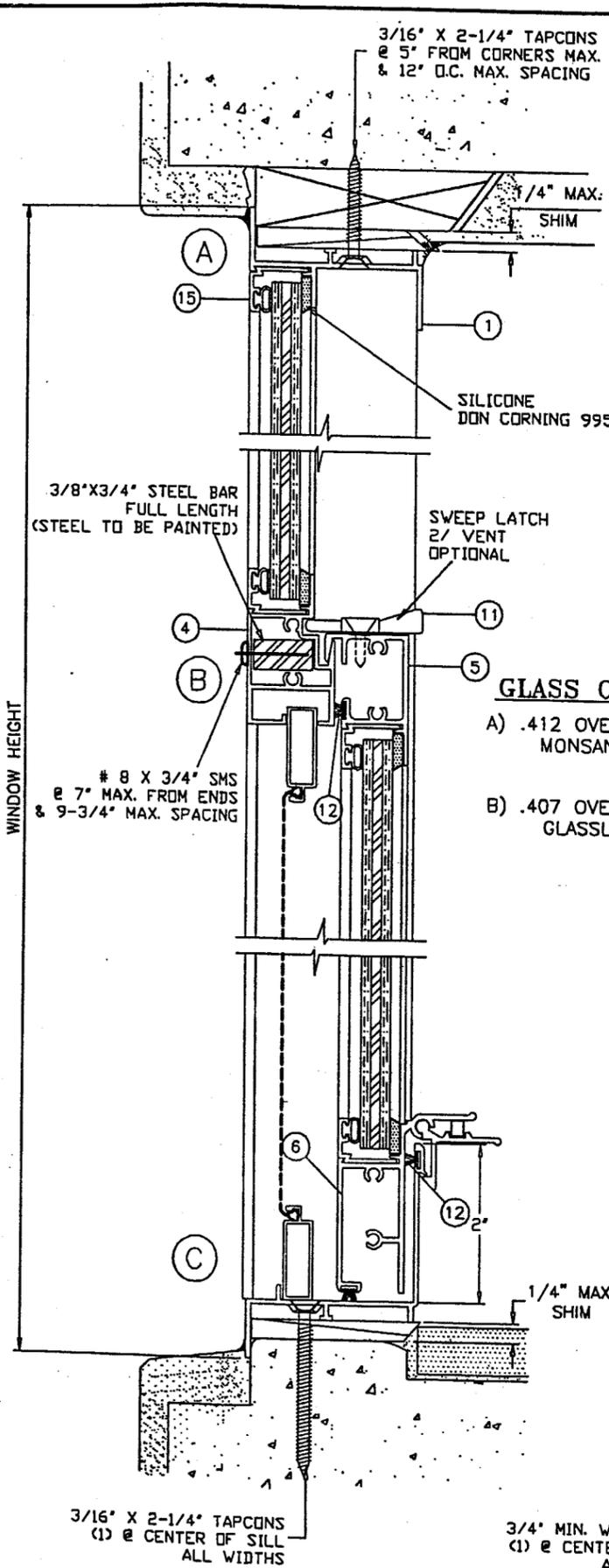
ALUMINUM SINGLE HUNG WINDOW
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL.(561) 845-1401 FAX(-) -

KD Windows

no.	date	by	description

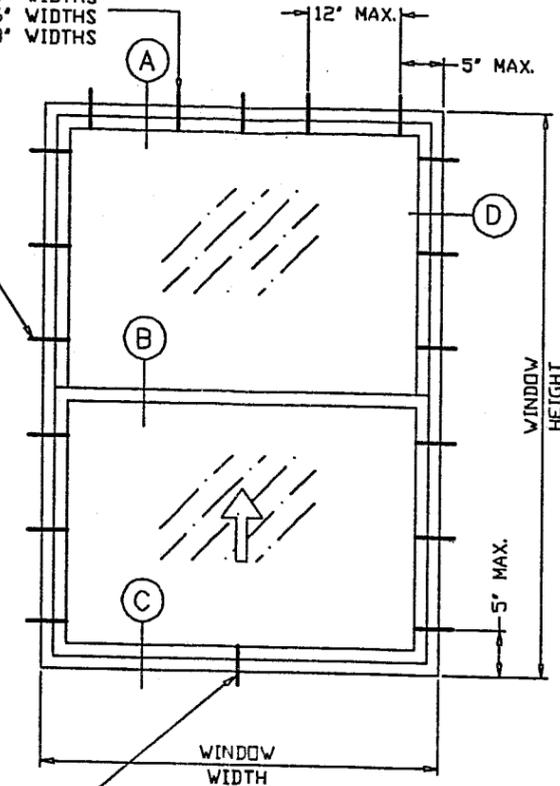
Note: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W96-21**
sheet 7 of 8



3/16" X 2-1/4" TAPCONS @ 5" FROM CORNERS MAX. & 12" O.C. MAX. SPACING

2 ANCHORS UPTO 22" WIDTHS
3 ANCHORS > 22" TO 34" WIDTHS
4 ANCHORS > 34" TO 46" WIDTHS
5 ANCHORS > 46" TO 53-1/8" WIDTHS



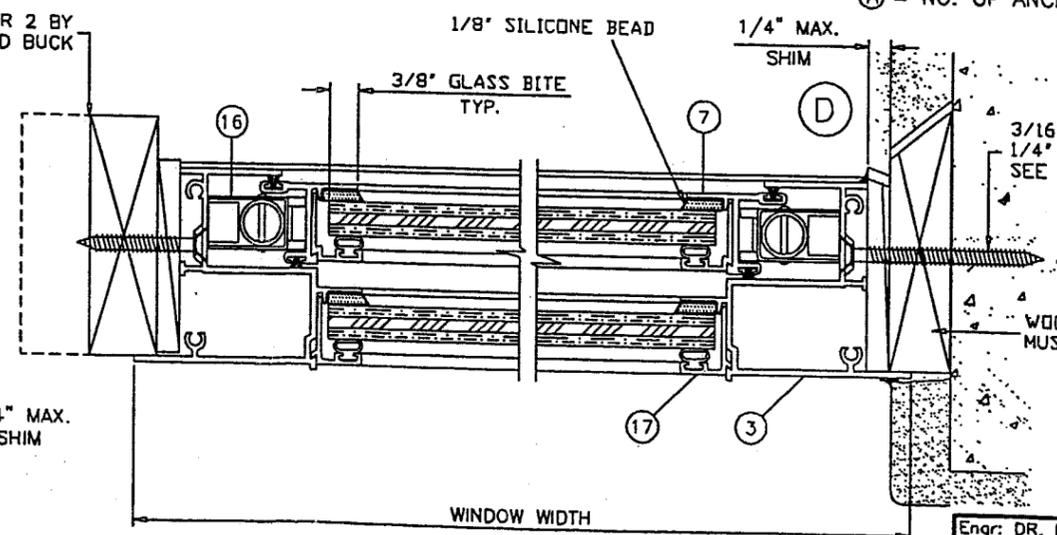
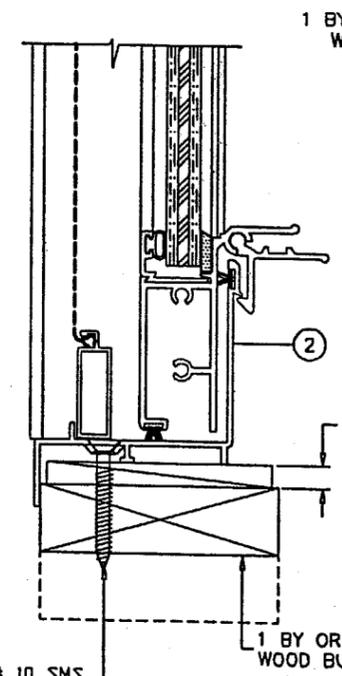
SEE CHART ON SHEET 3 FOR NUMBER AND SIZE OF ANCHORS PER JAMB

TYPICAL ELEVATION

ANCHOR AT CENTRE REQD. FOR ALL WIDTHS

GLASS OPTIONS:

- A) .412 OVERALL = 3/16" ANNEALED GLASS
MONSANTO .105" SAFLEX LAMINATE
3/16" ANNEALED GLASS
- B) .407 OVERALL = 1/8" ANNEALED GLASS
GLASSLAM .010" LAMINATE
.084" RESIN
1/8" ANNEALED GLASS



3/16" X 2-1/4" TAPCONS OR 1/4" TAPCONS (JAMBS ONLY) SEE CHARTS

WOOD BUCKS NOT BY A.W.C. MUST SUSTAIN IMPOSED LOADS

3/16" X 2-1/4" TAPCONS (C) @ CENTER OF SILL ALL WIDTHS

10 SMS 3/4" MIN. WOOD EMBED (C) @ CENTER OF SILL ALL WIDTHS

MAXIMUM DESIGN LOADS - PSF					
IMPACT SUPPLEMENTAL CHART (LARGE MISSILE)					
3/8" OVERALL LAMINATED GLASS					
WINDOW DIMS.		3/16" TAPCONS AT JAMBS, HEAD AND SILL		1/4" TAPCONS AT JAMBS ONLY	
WIDTH	HEIGHT	EXT.	INT.	EXT.	INT.
19-1/8'	26'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		61.3	76.0	61.3	76.0
19-1/8'	38-3/8'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		61.3	54.7	61.3	76.0
19-1/8'	50-5/8'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		61.3	56.0	61.3	76.0
19-1/8'	58'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		61.3	62.7	61.3	76.0
19-1/8'	63'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		60.0	70.7	60.0	74.3
19-1/8'	74-1/4'	61.3	76.0	61.3	76.0
26-1/2'		61.3	76.0	61.3	76.0
37'		61.3	76.0	61.3	76.0
53-1/8'		53.7	57.9	53.7	62.2

(A) = NO. OF ANCHORS PER JAMB.

**EXTERIOR GLAZED WINDOW ONLY
SHUTTERS NOT REQUIRED**

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

JUN 08 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Oct. 18, 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-071103

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 W96-21AW

ALUMINUM SINGLE HUNG WINDOW

KD Windows
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL. (561) 845-1401 FAX (-) -

no.	date	by description

revisions:

date: 06-25-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W96-21**
sheet 8 of 8