



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**Yale Ogron Manufacturing Co., Inc.
671 West 18th Street
Hialeah, FL 33010**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "580" Aluminum Single Hung Window and Dual Action Window

APPROVAL DOCUMENT: Drawing No. W96-38, titled "Series-580 Single Hung Window", sheets 1 through 4, prepared by Al Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., dated 10/10/98 with revision on 5/29/02, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: 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", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA 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 NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** and **renews** NOA # 99-1119.07 and, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0507.06
Expiration Date: November 14, 2007
Approval Date: August 22, 2002
Page 1**

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		DSB-ANNEALED GLASS		3/16"-ANNEALED GLASS		3/16"-TEMPERED GLASS	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26" (3)	60.7	210.0	60.0	210.0	60.0	210.0
26-1/2"		60.7	165.9	60.0	210.0	60.0	210.0
37"		60.7	108.8	60.0	159.0	60.0	159.0
53-1/8"		38.6	38.6	60.0	110.7	60.0	110.7
19-1/8"	38-3/8" (3)	60.7	127.6	60.0	208.4	60.0	208.4
26-1/2"		60.7	90.2	60.0	150.4	60.0	150.4
37"		60.7	61.5	60.0	107.7	60.0	107.7
53-1/8"		-	-	60.0	75.0	60.0	75.0
19-1/8"	50-5/8" (5)	60.7	96.4	60.0	197.9	60.0	210.0
26-1/2"		60.7	73.6	60.0	132.5	60.0	190.0
37"		51.3	51.3	60.0	90.6	60.0	124.9
53-1/8"		-	-	60.0	63.7	60.0	75.1
19-1/8"	57" (5)	60.7	83.8	60.0	171.7	60.0	210.0
26-1/2"		60.7	66.7	60.0	114.1	60.0	168.7
37"		-	-	60.0	80.8	60.0	118.7
53-1/8"		-	-	54.4	54.4	60.0	69.5
19-1/8"	63" (5)	60.7	74.8	60.0	154.9	60.0	210.0
26-1/2"		60.7	63.2	60.0	101.6	60.0	152.7
37"		-	-	60.0	74.2	60.0	109.3
53-1/8"		-	-	50.0	50.0	60.0	65.4
19-1/8"	74-1/4" (5)	60.1	60.1	60.0	133.8	60.0	179.5
26-1/2"		-	-	60.0	86.0	60.0	129.5
37"		-	-	60.0	65.1	60.0	92.8
53-1/8"		-	-	44.9	44.9	60.0	60.0

NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB

SERIES-580 ALUMINUM SINGLE HUNG WINDOW COMPARATIVE ANALYSIS CHART

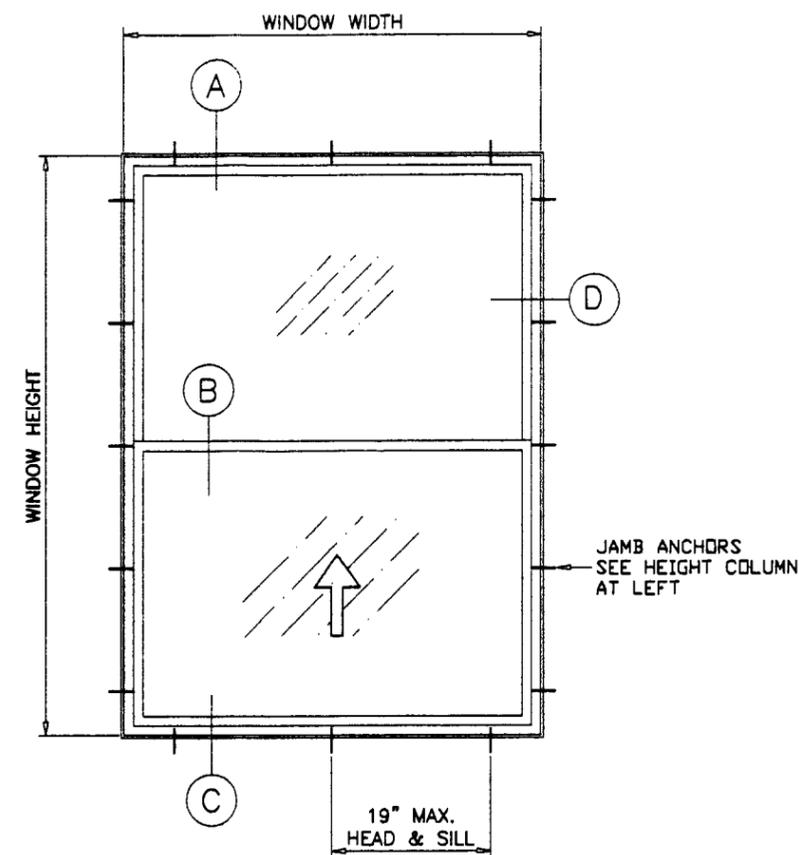
BASED ON FTL-1170 DATED 12-18-95
TEST SIZE = 37" X 50-5/8" (1 OVER 1)
TEST LOADS = +105.0, -105.0 PSF
DESIGN LOADS = +70.0, -70.0 PSF
WATER INFILTRATION TEST = 9.1 PSF
TESTED GLASS = DSB - ANNEALED

BASED ON FTL-1171 DATED 12-18-95
TEST SIZE = 53-1/8" X 74-3/16" (1 OVER 1)
TEST LOADS = +90.0, -90.0 PSF
DESIGN LOADS = +60.0, -60.0 PSF
WATER INFILTRATION TEST = 9.0 PSF
TESTED GLASS = 3/16" ANNEALED

**IMPACT RESISTANT SHUTTERS
REQUIRED**

NOTES

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. 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.



FOR EGRESS WINDOWS DETAILS AND CAPACITY SEE SHEET 4.
FOR COMPONENT SIZES SEE SHEET 3.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0507.06
Expiration Date Nov. 14, 2007
By *Manuel Pina*
Miami Dade Product Control
Division

Engr: DR. HUMAYGUN FAROOQ
STRUCTURES
FLA. PE # 16537

JUL 16 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W96-38YO

SERIES-580 SINGLE HUNG WINDOW
YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL. 33010-2480
TEL (305) 887-2646 FAX (305) 883-1309

no	date	by	description
A	5.19.98	H	GENERAL REVISION
B	5.29.02	H	CHART REV. PER ASTM E-1300 3/16" TEMP. GLASS ADD.

date: 10-10-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-38

sheet 1 of 4

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

GLAZING METHOD:

EXTERIOR GLAZED WITH ROLL FORMED ALUM GLAZING BEAD. USE ADHESIVE BEDDING COMPOUND SCHNEE MOREHEAD 5555 OR EQUIV., COLOR TO MATCH GLASS & METAL FINISH

SEALANT:

ALL LOWER FRAME AND VENT CORNERS, AND HEADS OF INSTALLATION SCREWS AT SILL TO BE SEALED WITH ALUMINUM COLORED SEALANT, SCHNEE MOREHEAD 5504 OR EQUIV.

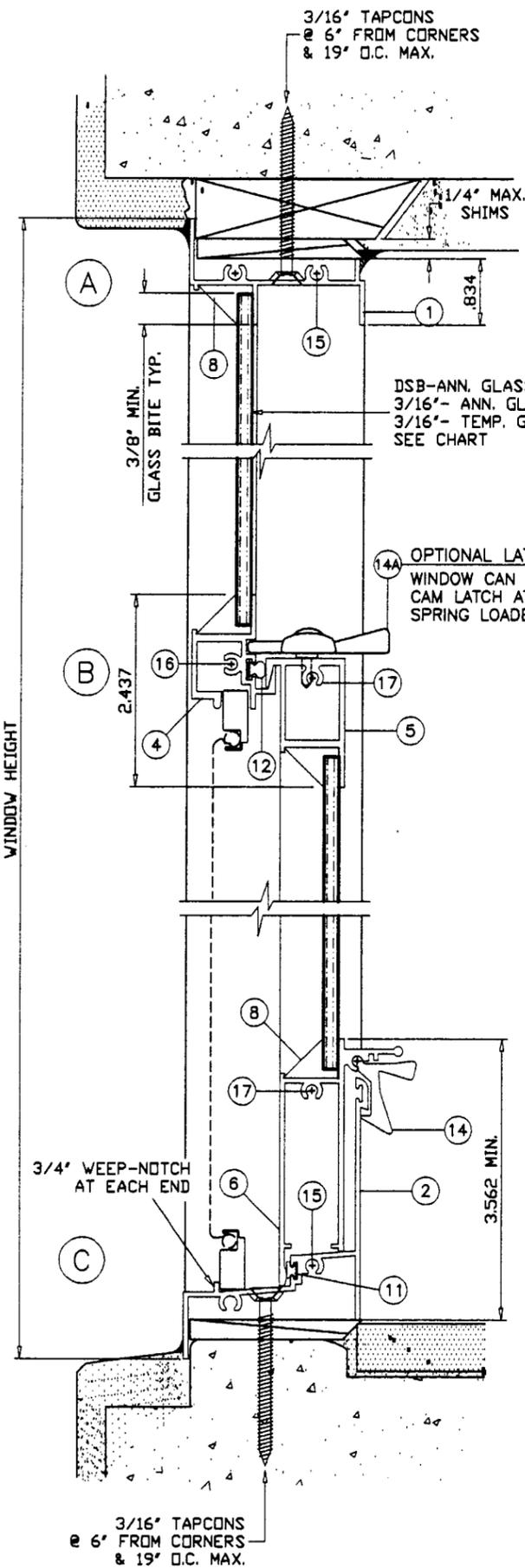
PADS:

ONE 1/4" X 3/4" ADHESIVE CLOSED CELL FOAM PAD AT EACH END OF FIXED MTG. RAIL.

TYPICAL ANCHORS:

- A) INTO 2 BY WOOD BUCKS
1-3/8" MIN. PENETRATION INTO WOOD
- B) THRU 1 BY WOOD BUCKS INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	YE-169	1	FRAME HEAD	6063-T5
2	YE-167	1	FRAME SILL	6063-T5
3	YE-102F	2	FRAME JAMB	6063-T5
4	YE-152F	1	FIXED RAIL	6063-T5
5	YE-151C	1	VENT TOP RAIL	6063-T5
6	YE-166	1	VENT BOTTOM RAIL	6063-T5
7	YE-92D	2	VENT JAMB	6063-T5
8		AS REQD.	GLAZING BEAD	ROLL FORMED ALUM.
9				
10		2/ VENT	BLOCK & TACKLE BALANCE	
11	YH-511	AS REQD.	BULB VINYL	PVC (SINGLE)
12	YH-510	AS REQD.	BULB VINYL	PVC (SINGLE)
13	YH-509F	AS REQD.	PILE-SCHLEGEL .187 X .250	FIN SEAL (DOUBLE)
14	YH-504	2	VENT LATCH	NYLON OR CELCON
14A	YH-515	1	CAM LOCK @ CENTER OF VENT	ZAMAK
15	# 10 X 3/4"	8	FRAME ASSEMBLY SCREWS	PLATED CRS.
16	# 8 X 3/4"	2	FIXED RAIL SCREWS	CAD PLATED CRS.
17	# 8 X 1"	4/ VENT	VENT ASSEMBLY SCREWS	CAD PLATED CRS.



3/16" TAPCONS @ 6" FROM CORNERS & 19" O.C. MAX.

1/4" MAX. SHIMS

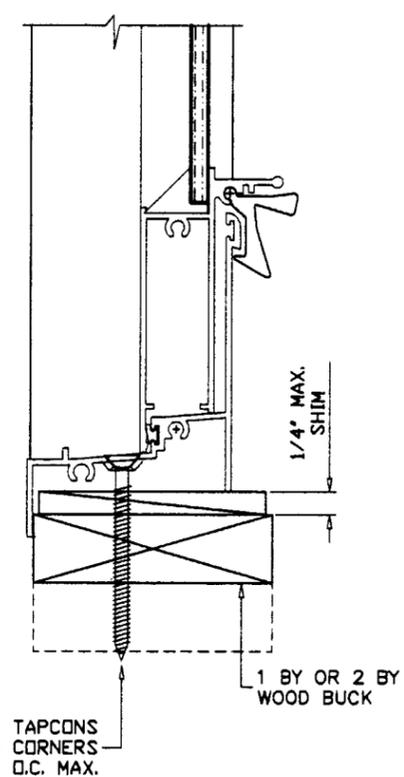
DSB-ANN. GLASS OR 3/16"- ANN. GLASS OR 3/16"- TEMP. GLASS SEE CHART

3/8" MIN. GLASS BITE TYP.

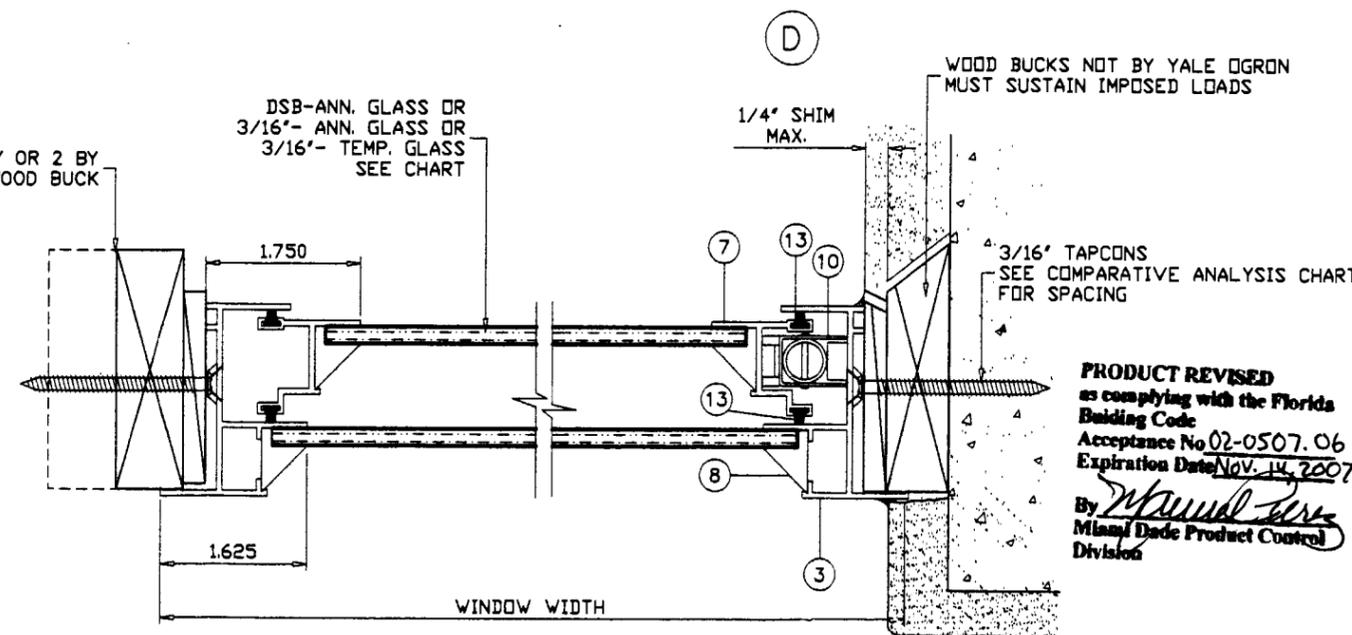
OPTIONAL LATCH WINDOW CAN BE SUPPLIED WITH CAM LATCH AT MTG. RAILS OR SPRING LOADED LATCH AT SILL

3/4" WEEP-NOTCH AT EACH END

3/16" TAPCONS @ 6" FROM CORNERS & 19" O.C. MAX.



3/16" X 2-1/4" TAPCONS @ 6" FROM CORNERS & 24" O.C. MAX.



DSB-ANN. GLASS OR 3/16"- ANN. GLASS OR 3/16"- TEMP. GLASS SEE CHART

1 BY OR 2 BY WOOD BUCK

1/4" MAX. SHIM

1 BY OR 2 BY WOOD BUCK

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

11/16/2002

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 02-0507.06
Expiration Date Nov. 14, 2007

By *Muhammad Farooq*
Miami Dade Product Control Division

afc

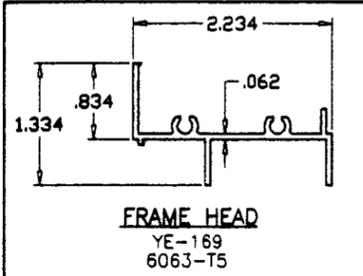
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W96-38YO

SERIES-580 SINGLE HUNG WINDOW
YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
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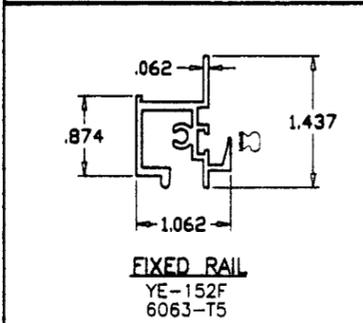
no	date	description
A	5.19.98	GENERAL REVISION
B	7.11.02	3/16" TEMP. GLASS OPTION ADD.

date: 10-10-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

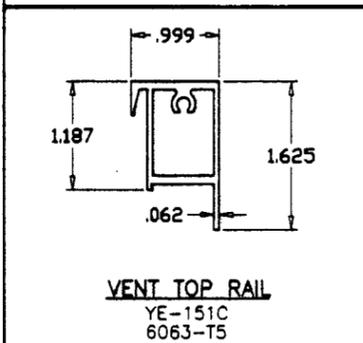
drawing no.
W96-38
sheet 2 of 4



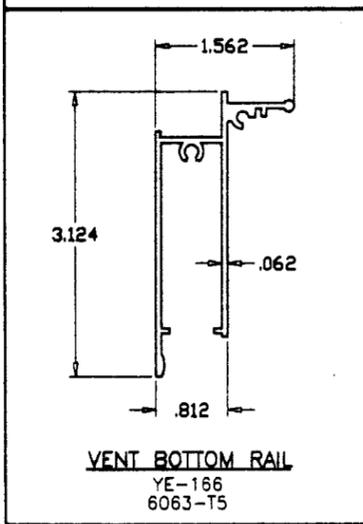
FRAME HEAD
YE-169
6063-T5



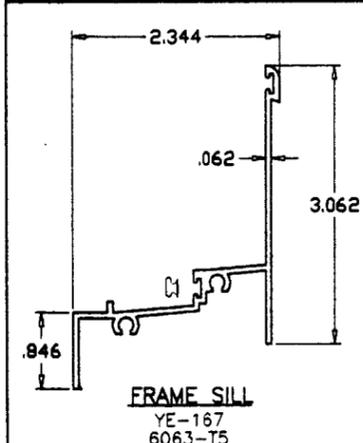
FIXED RAIL
YE-152F
6063-T5



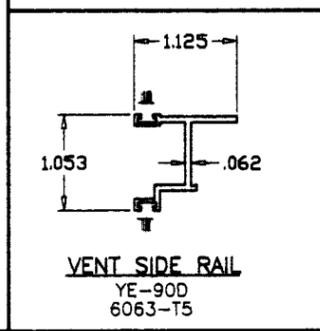
VENT TOP RAIL
YE-151C
6063-T5



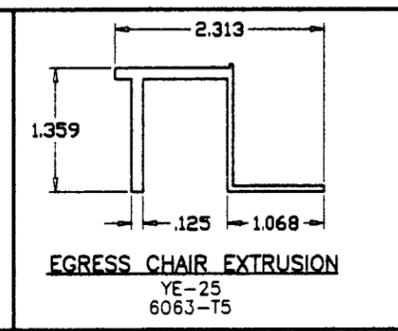
VENT BOTTOM RAIL
YE-166
6063-T5



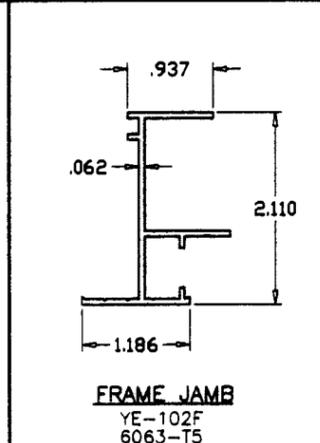
FRAME SILL
YE-167
6063-T5



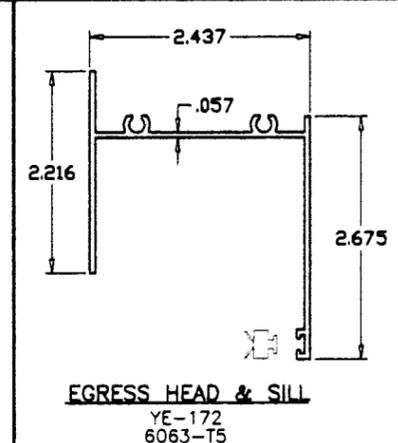
VENT SIDE RAIL
YE-90D
6063-T5



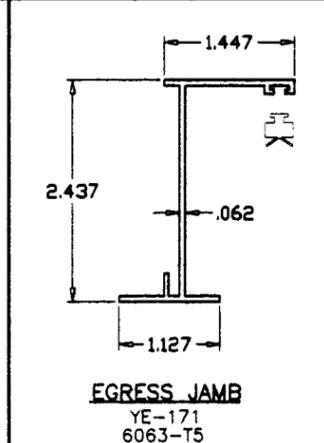
EGRESS CHAIR EXTRUSION
YE-25
6063-T5



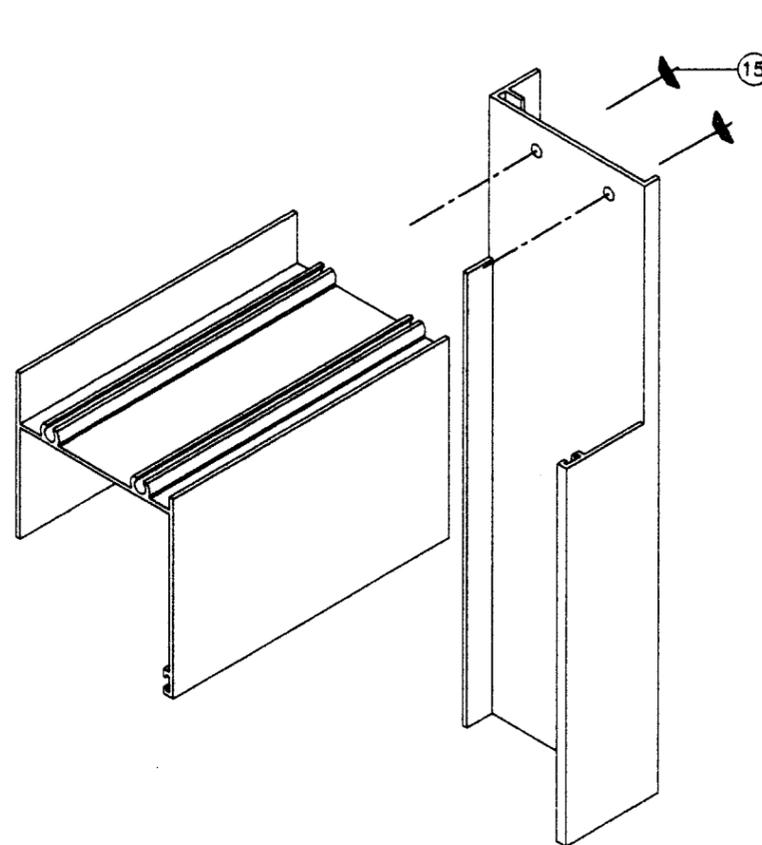
FRAME JAMB
YE-102F
6063-T5



EGRESS HEAD & SILL
YE-172
6063-T5

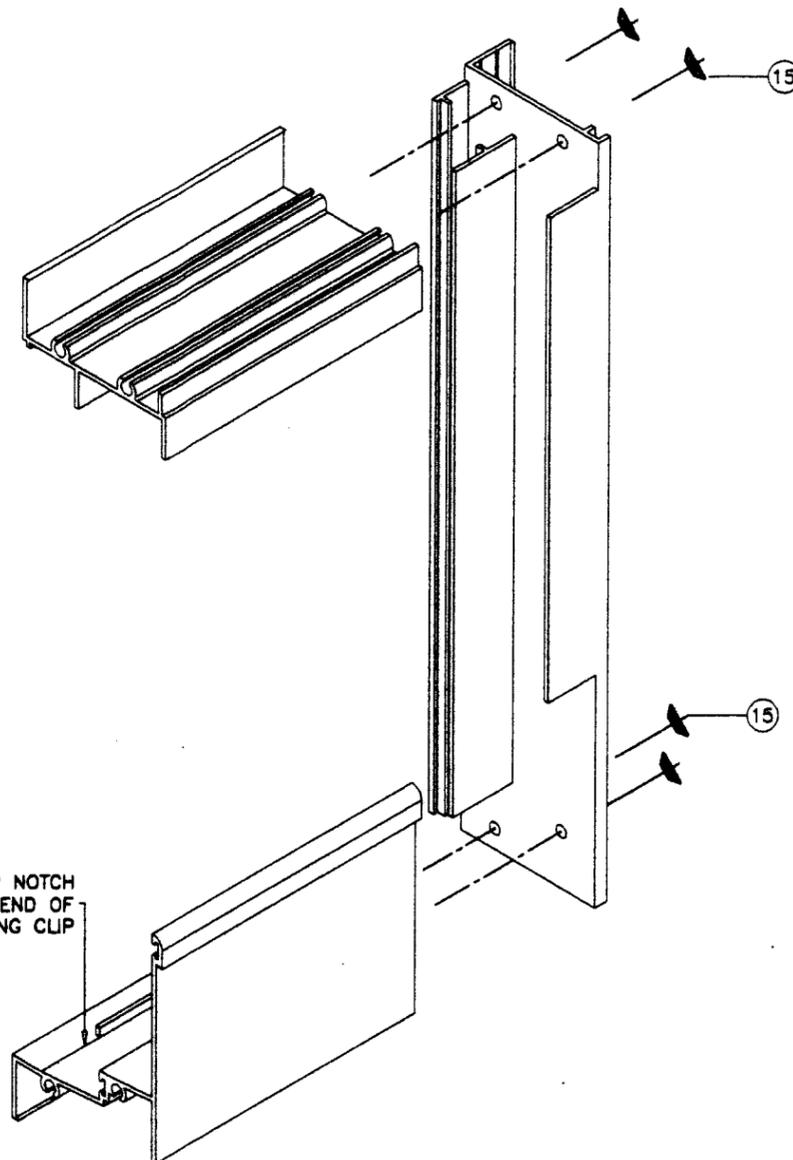


EGRESS JAMB
YE-171
6063-T5

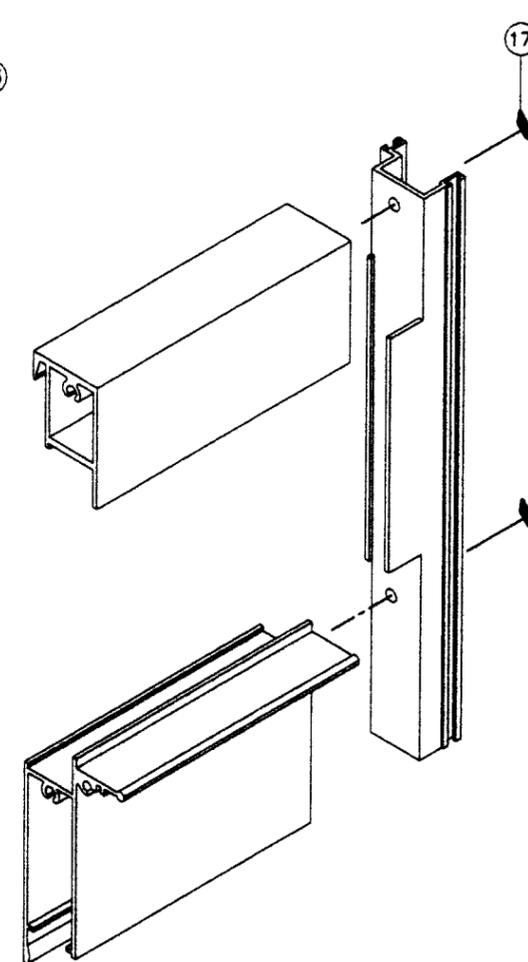


EGRESS FRAME CORNER DETAIL

3/4" WEEP NOTCH
AT EACH END OF
SCREEN RETAINING CLIP



S.H. FRAME CORNER DETAIL



S.H. VENT CORNER DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 02-0507.06
Expiration Date Nov. 14, 2007
By *Muhammad*
Miami Dade Product Control
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Engr. DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
JUL 16 2002

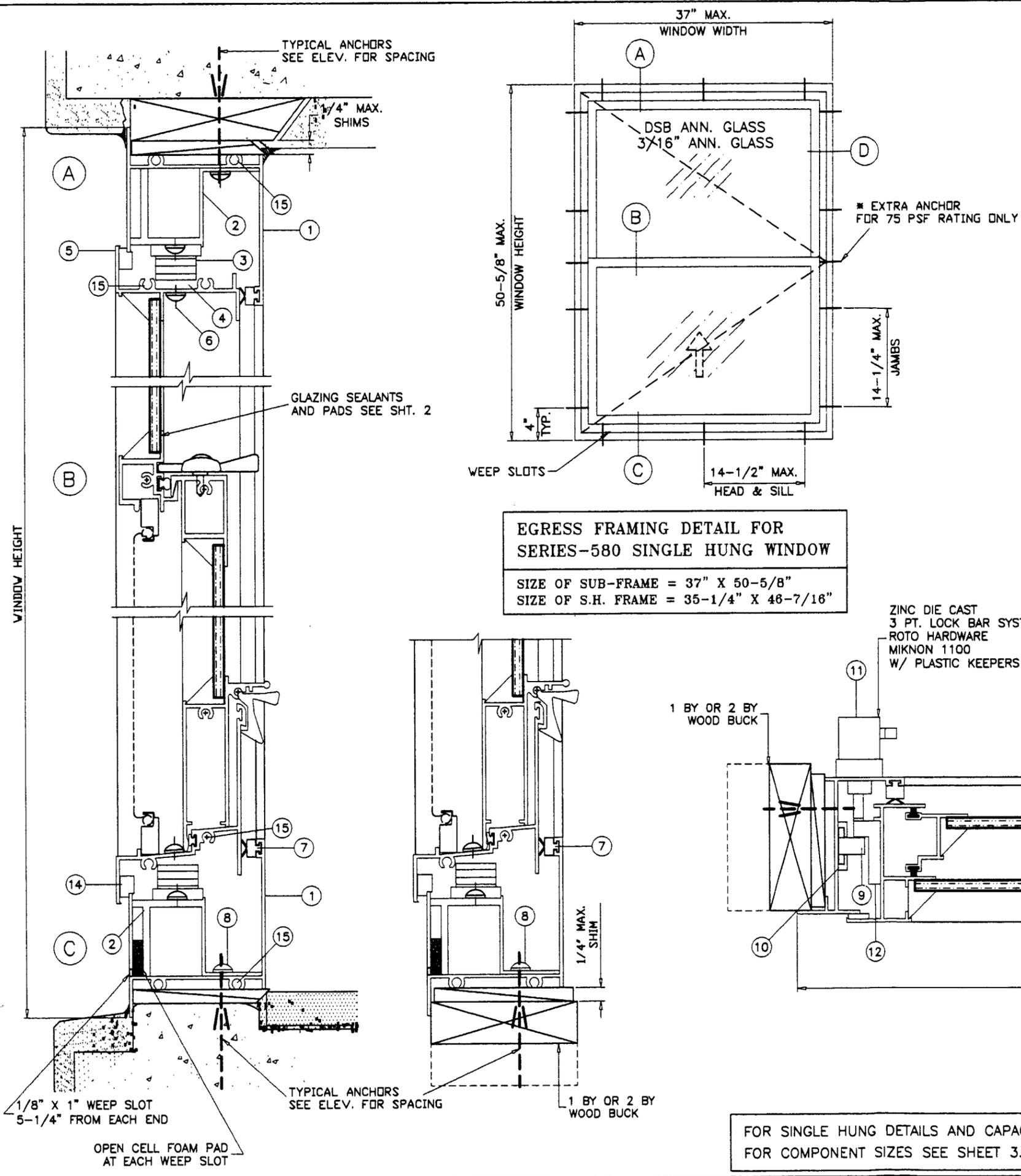
AL-FAROOQ CORPORATION
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no.	date	description	by	revision
A	5.19.98	H	GENERAL REVISION	

date: 10-10-96
scale: 1/2" = 1"
dr. by: HAMD
chk. by:

drawing no.
W96-38
sheet 3 of 4



ITEM #	PART #	DESCRIPTION	REMARKS
1	YE-172	HEAD & SILL	6063-T5
2	YE-25	EGRESS CHAIR EXTRUSION	6063-T5
3	YH-570	4 BAR HINGE	STAINLESS STEEL
4	YE-8	SPACER	6063-T5
5	YE-169	S.H. WINDOW HEADER	6063-T5
6	YF-23	SCREW	#10-24 X 5/8" MS PH
7	YH-570	WEATHERSTRIPPING	SANTOPRENE
8	YF-25A	CHAIR SUPPORT SCREW	# 8 X 1/2" TEKS PH
9	YH-934	LOCK BAR	ROTO HARDWARE
10	YH-940	LOCK BAR GUIDE	ROTO HARDWARE
11	YH-942	3 POINT LOCK BAR OPERATOR	ROTO HARDWARE
12	YH-944	PLASTIC STRIKER	ROTO HARDWARE
13	YE-171	EGRESS JAMB	6063-T5
14	YH-571	FOAM TAPE BLACK V-786	NORTON 3/8" X .188
15	YF-1	# 10 X 3/4" SMS (AS REQD.)	CAD PLATED STEEL

DESIGN LOAD RATING FOR THIS SIZE OR SMALLER				
ANCHORS/JAMB	DSB-ANN. GLASS		3/16"-ANN. GLASS	
	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
4	57.0	57.0	65.0	65.0
5 *	57.0	57.0	65.0	75.0

- TYPICAL ANCHORS:**
- A. IF INTO 2" BY WOOD BUCKS
3/16" DIA. TAPCONS WITH 1-3/8" MIN. PENETRATION INTO WOOD
 - B. IF INTO 1" BY WOOD BUCKS OR INTO MASONRY
3/16" DIA. TAPCONS WITH 1-1/4" MIN. EMBED INTO MASONRY

EGRESS FRAMING DETAIL FOR SERIES-580 SINGLE HUNG WINDOW

SIZE OF SUB-FRAME = 37" X 50-5/8"
 SIZE OF S.H. FRAME = 35-1/4" X 46-7/16"

ZINC DIE CAST
 3 PT. LOCK BAR SYSTEM
 ROTO HARDWARE
 MIKNON 1100
 W/ PLASTIC KEEPERS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 02-0507.06
 Expiration Date Nov 14, 2007

By *Maubere*
 Miami/Dade Product Control
 Division

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

JUL 16 2002

FOR SINGLE HUNG DETAILS AND CAPACITY SEE SHEETS 1 & 2.
 FOR COMPONENT SIZES SEE SHEET 3.

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revisions:
 no date by description
 A 5.19.96 H GENERAL REVISION
 B 5.29.02 H CHART REV. PER ASTM E-1300 3/16" ANN. GLASS ADD.

date: 10-10-98
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 dr. by: HAMID
 chk. by:

drawing no.
W96-38
 sheet 4 of 4