



**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)

**Traco Security Windows & Doors, Inc.
5100 NW 72nd Avenue
Miami, Fl 33166**

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 "2100" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. W99-48, titled "Series 2100 Alum. Single Hung Window", sheets 1 through 3, prepared, signed and sealed by Humayoun Farooq, P.E., dated 6/10/02, 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 **renews** and **revises** NOA # 99-0712.05 and, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Raul Rodriguez**.



**NOA No 02-0612.04
Expiration Date: July 11, 2007
Approval Date: July 18, 2002
Page 1**

Traco Security Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W99-48**, titled "Series 2100 Alum. Single Hung Window", sheets 1 through 3, prepared, signed and sealed by Humayoun Farooq, P.E., dated 6/10/02.

B. TESTS

See NOA 99-0712.05

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation., dated 6/8/02, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

See NOA 99-0712.05

E. STATEMENTS

See NOA 99-0712.05

F. OTHER

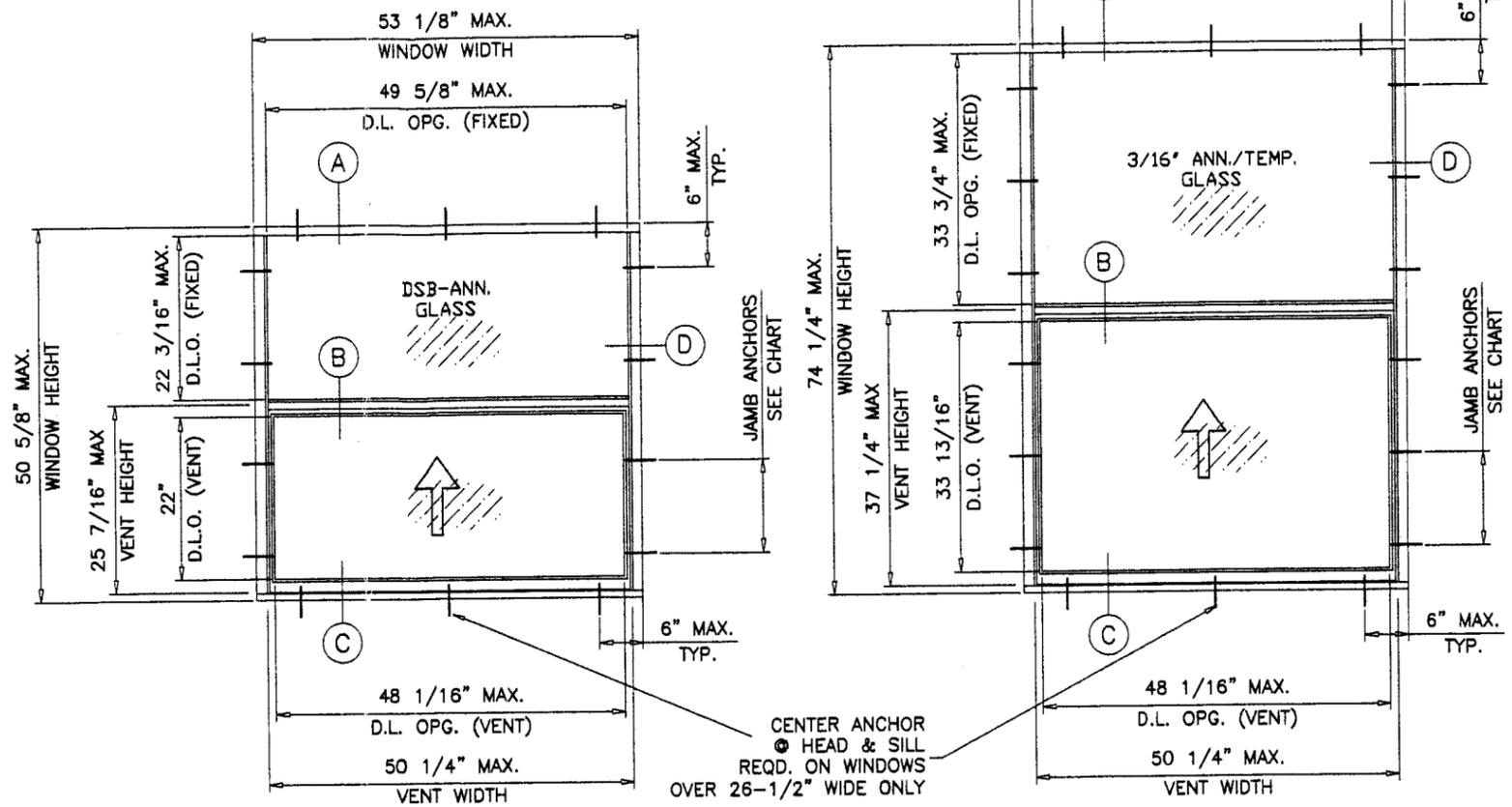
NOA 99-0712.05



**Raul Rodriguez, Chief
Product Control Division
NOA No 02-0612.04
Expiration Date: July 11, 2007
Approval Date: July 18, 2002**

DESIGN LOAD CAPACITY - PSF							
SERIES-2100 ALUMINUM SINGLE HUNG WINDOWS (1 OVER 1)							
WINDOW DIMS.		DSB-ANN. GLASS		3/16"-ANN. GLASS		3/16"-TEMP. GLASS	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26" (3)*	63.3	78.4	80.0	125.0	80.0	210.0
26-1/2"		63.3	78.4	80.0	125.0	80.0	180.6
37"		63.3	78.4	80.0	125.0	80.0	129.3
53-1/8"		34.9	34.9	80.0	90.1	80.0	90.1
19-1/8"	38-3/8" (3)	63.3	78.4	80.0	125.0	80.0	169.5
26-1/2"		63.3	78.4	80.0	122.3	80.0	122.3
37"		59.1	59.1	80.0	87.6	80.0	87.6
53-1/8"		X	X	76.8	61.0	76.8	61.0
19-1/8"	50-5/8" (5)	63.3	78.4	80.0	125.0	80.0	210.0
26-1/2"		63.3	72.9	80.0	125.0	80.0	154.6
37"		50.9	50.9	80.0	88.6	80.0	104.1
53-1/8"		X	X	61.6	61.6	62.6	62.6
19-1/8"	57" (5)	63.3	78.4	80.0	125.0	80.0	190.2
26-1/2"		63.3	65.4	80.0	111.9	80.0	137.3
37"		X	X	79.4	79.4	80.0	98.3
53-1/8"		X	X	54.5	54.5	57.9	57.9
19-1/8"	63" (5)	63.3	73.8	80.0	125.0	80.0	172.1
26-1/2"		62.4	62.4	80.0	100.2	80.0	124.2
37"		X	X	73.2	73.2	80.0	89.0
53-1/8"		X	X	49.1	49.1	54.5	54.5
19-1/8"	74-1/4" (6)	59.8	59.8	80.0	125.0	80.0	175.2
26-1/2"		X	X	80.0	85.2	80.0	126.5
37"		X	X	64.4	64.4	80.0	90.6
-		X	X	46.6	46.6	50.0	50.0

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



TYPICAL ELEVATIONS
TESTED UNITS

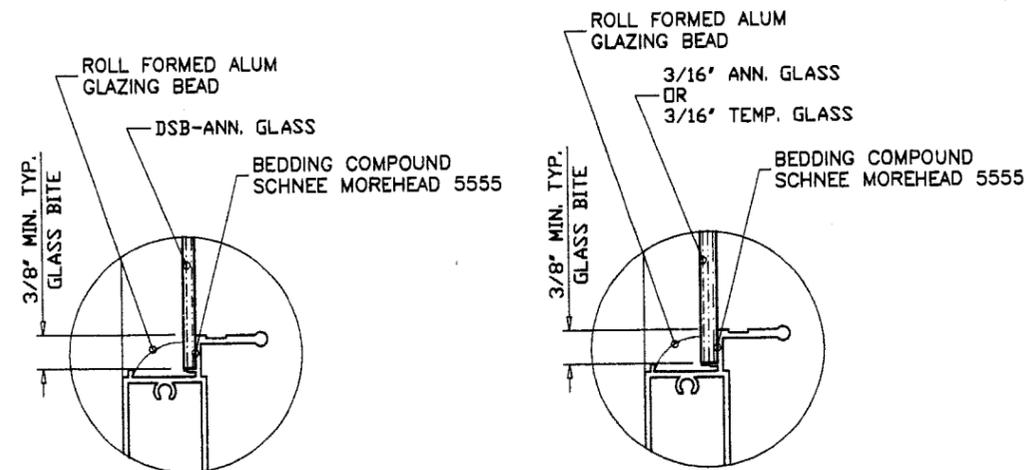
NOTES:

1. 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.
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.

WINDOWS TO BE PROTECTED WITH
DADE COUNTY APPROVED
IMPACT RESISTANT SHUTTERS

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

Approved as complying with the
Florida Building Code
Date July 18, 2002
NOA# 020612.04
Miami Dade Product Control
Division
By [Signature]
Renewal.



GLAZING OPTIONS

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W99-48SW

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

SERIES 2100 ALUM. SINGLE HUNG WINDOW

no.	date	description
A	06.10.02	CHART REV PER ASTM E-1300 3/16" TEMP. GLASS ADDED

date:	06-16-99
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.
W99-48
sheet 1 of 3

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

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	050-00-367	1	HEAD	6063-T6	ALUMAX
2	050-00-375	1	SILL	6063-T6	TIFTON
3	050-00-386	2	JAMB	6063-T6	ALUMAX
4	050-00-164	1	VENT TOP	6063-T6	TIFTON
5	050-00-492	1	VENT BOTTOM	6063-T6	ALUMAX
6	051-00-160	2	VENT SIDE	6063-T6	TIFTON
7	050-00-119	1	MEETING RAIL	6063-T5	TIFTON
8	-	-	-	-	-
9	012-00-832	AS REQD.	FRAME ASSEMBLY SCREW	-	# 8 X 3/4" SMS
10	050-00-000	AS REQD.	VENT ASSEMBLY SCREW	-	# 8 X 1" SMS
11	047-00-008	4	WOOLPILE VENT SIDE	-	AMESBURY
12	-	-	-	-	-
13	050-00-000	AS REQD.	ACRYLIC BASED GLAZING COMPOUND	-	SCHNEE MOREHEAD 5555
14	007-10-016	2	SWEEP LOCK 7" FROM ENDS	ZAMAK	MARBOLLO INTL.
15	004-00-003	AS REQD.	ROLL FORMED SCREEN FRAME	-	OPTIONAL
16	048-00-002	AS REQD.	FIBERGLASS SCREEN MESH	-	-
17	046-16-005	AS REQD.	SCREEN MESH ROLL VINYL	-	-
18	WV-8502	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
19	-	-	-	-	-
20	WV-2205	1	FLAP SILL	VINYL	WIBORG
21	048-16-030	1/ JAMB	BLOCK AND TACKLE BALANCE	-	WINDOW COMPONENTS
22	-	2	CLOSED CELL FOAM PAD	-	1"X2"X1/4" AT EACH CORNER
23	-	AS REQD.	ROLL FORMED GLAZING BEAD	-	ALUMINUM

TYPICAL ANCHORS:

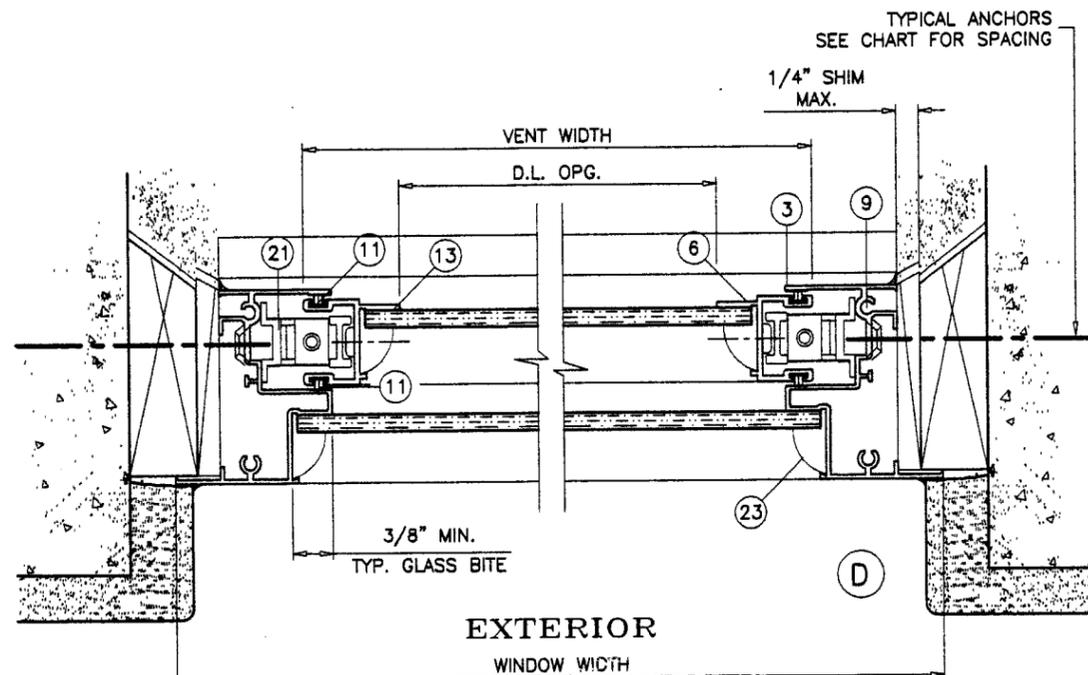
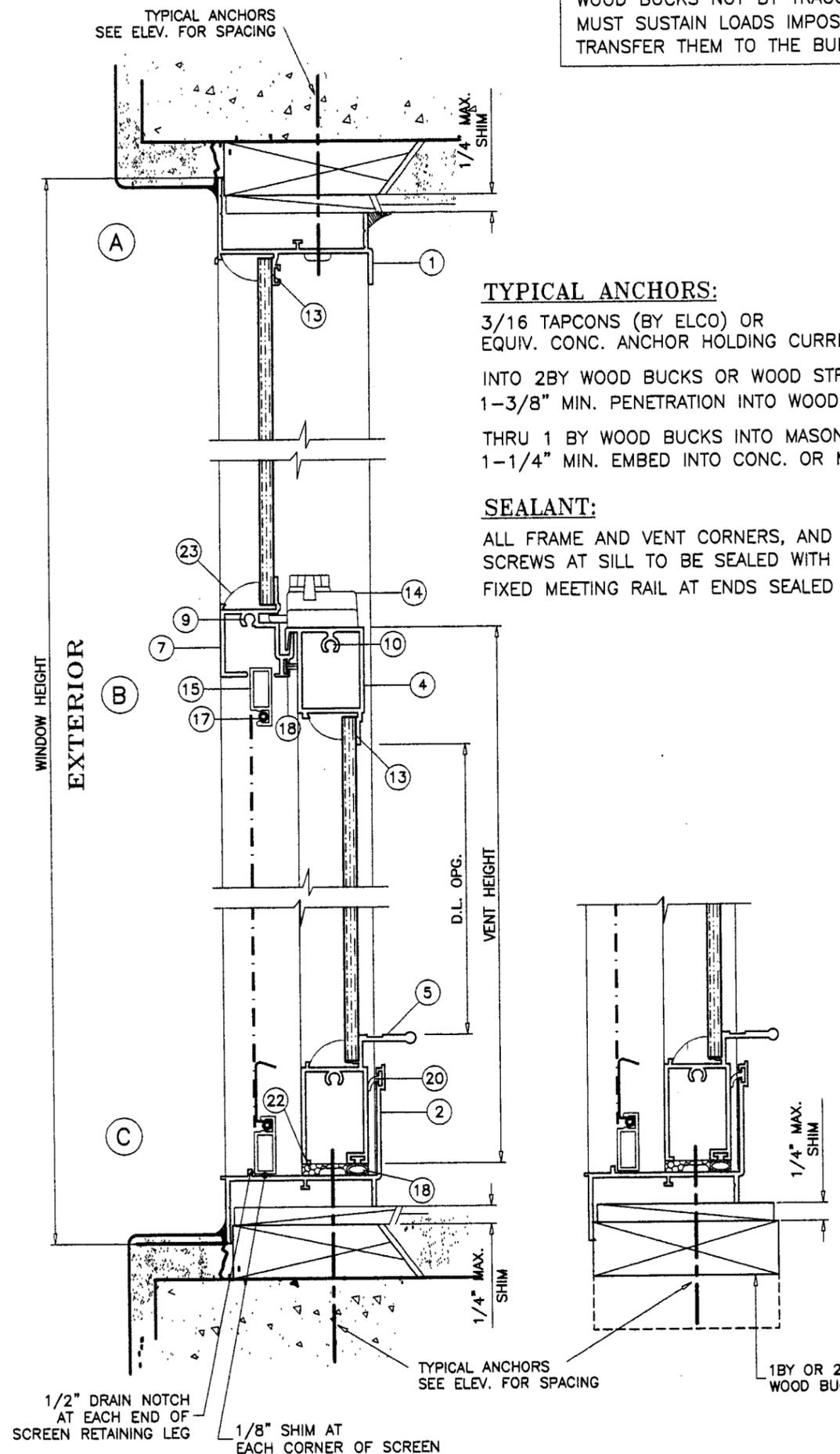
3/16 TAPCONS (BY ELCO) OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD

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

SEALANT:

ALL FRAME AND VENT CORNERS, AND HEADS OF INSTALLATION SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT, FIXED MEETING RAIL AT ENDS SEALED WITH GE SILICONE.



Engr: DR. HUMAYUN FAROOQ
STRUCTURES
FLA. PE # 16557
JUN 10 2002

Approved as complying with the Florida Building Code
Date July 16, 2002
NOA# 02-0612-04
Miami Dade Product Control
Division
By *[Signature]*
Renewal

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\W99-48SW

TRACO SECURITY WINDOWS & DOORS INC.
5100 N.W. 72 AVE.
MIAMI, FL. 33166
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SERIES 2100 ALUM. SINGLE HUNG WINDOW

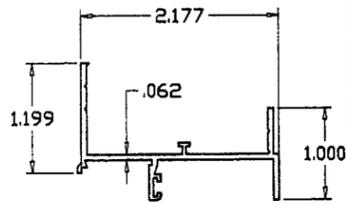
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revisions:

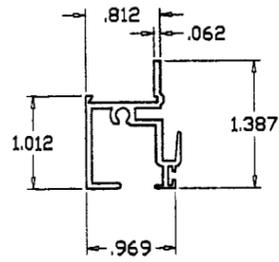
date: 06-16-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-48

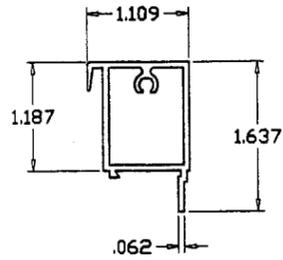
sheet 2 of 3



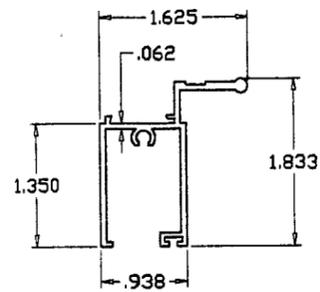
FRAME HEAD



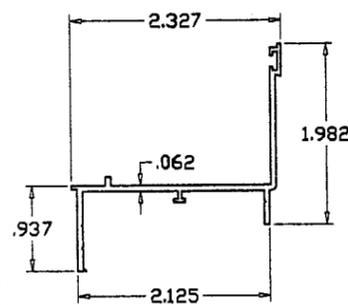
MEETING RAIL



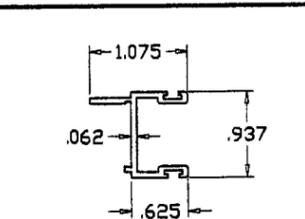
VENT TOP RAIL



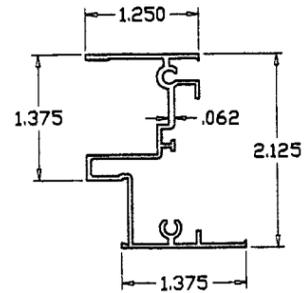
VENT BOTTOM RAIL



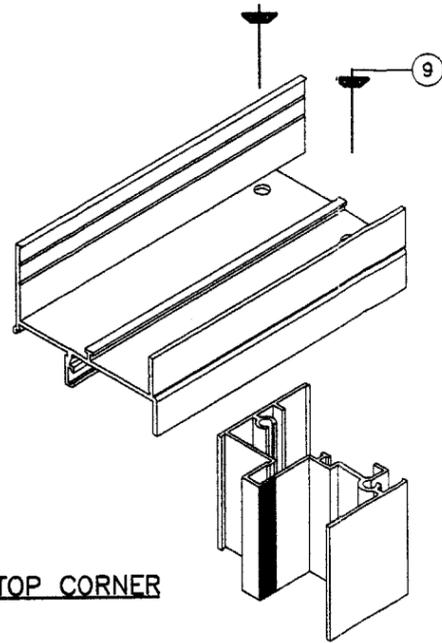
SILL



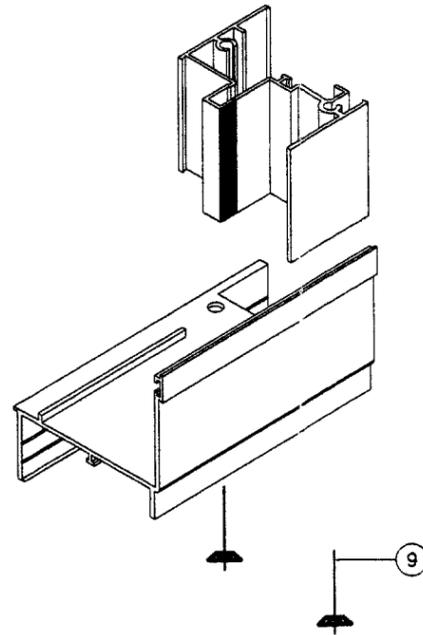
SASH SIDE RAIL



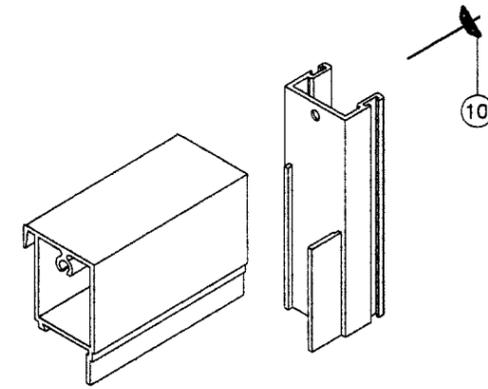
FRAME JAMB



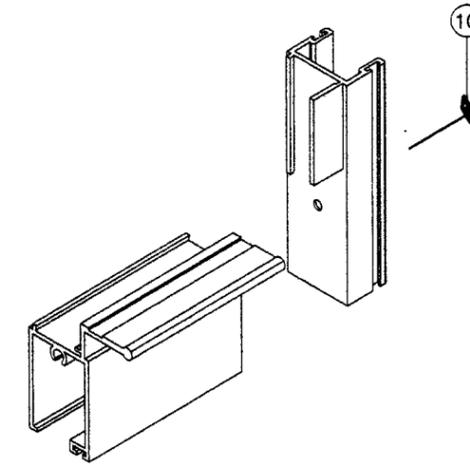
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
JAN 10 2002

Approved as complying with the
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Date *July 18, 2002*
NOAH *02-0612.04*
Miami Dade Product Control
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By *[Signature]*
Renewal

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no	date	by	description

date: 06-16-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W99-48**
sheet 3 of 3