



**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)

**Bell-View, Inc.
150 Industrial Blvd.
Wrightsville, GA 31096**

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series PA-20 Aluminum Single Hung Window – Large Missile Impact Resistant

APPROVAL DOCUMENT: Drawing No. **W04-03**, titled "Series PA-20 Alum. Single Hung Window (L.M.I.)", sheets 1 through 4, dated 01/10/04, with revision A dated 04/05/04, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., 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: Large and Small Missile Impact Resistant

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 replaces NOA # 00-0225.04** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



**NOA No 03-0602.01
Expiration Date: March 13, 2009
Approval Date: May 27, 2004
Page 1**

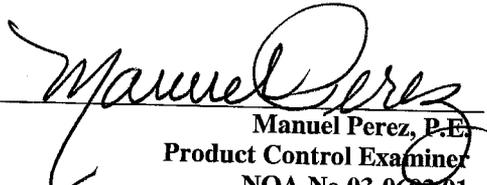
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W04-03**, titled "Series PA-20 Alum. Single Hung Window (L.M.I.)", Sheets 1 through 4 of 4, dated 01/10/04, with revision A dated 04/05/04, prepared by Al Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Resistance Test, per AAMA 1302.5.along with installation diagram of specimens: D, G, K, and M for PA 202 and specimens: A, B, C, M, N, O, E, F, H, I, J, L for PA 201 & PA 203, consisting of an alum. single hung window 53-1/8" wide x 74-1/8" high x 2-3/4" deep with 4 different laminated glazing options, consisting of 8 specimens with 2 lites of 1/8" annealed glass and 7 specimens with 2 lites of 3/16" annealed glass, prepared by American Test Lab of South Florida, Report No. **ATL-1023.02-01**, dated 05/14/02, signed and sealed by William R. Mehner, P.E. and Henry Hattem, P.E.
2. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Forced Entry Resistance Test, per AAMA 1302.5.along with installation diagram of an alum. single hung window 4' 5-1/8" wide x 6' 2-1/4" high x 2-3/4" deep with 3/16" annealed glass, prepared by Miami Testing Laboratory, Report No. **MTL-16727**, dated 4/12/96, re-issued on 7/2/96, signed and sealed by David Gale Ober, P.E. (**Submitted under NOA #96-0716.06**)
3. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Forced Entry Resistance Test, per AAMA 1302.5.along with installation diagram of an alum. single hung window 3' 1" wide x 5' 3" high x 2-3/4" deep with 1/8" DSB annealed glass, prepared by Miami Testing Laboratory, Report No. **MTL-16728**, dated April 2, 1996, signed and sealed by David Gale Ober, P.E. (**Submitted under NOA #96-0716.06**).


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0602.01

Expiration Date: March 13, 2008

Approval Date: May 27, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Forced Entry Resistance Test, per AAMA 1302.5.along with installation diagram of an alum. single hung window 3' 1-1/8" wide x 3' 2-1/2" high x 2-3/4" deep with single strength SSB annealed glass, prepared by Miami Testing Laboratory, Report No. **MTL-16729**, dated April 2, 1996, signed and sealed by David Gale Ober, P.E. (*Submitted under NOA #96-0716.06*).
5. Test reports on
 - 1) Large Missile Impact Test, SFBC PA 201-94
 - 2) Cyclic Loading Test, per SFBC PA 203-94along with installation diagram of an alum. single hung window 53-1/8" wide x 78" high x 2-3/4" deep with 1/8" DSB annealed *Dupont Sentryglas*, prepared by American Test Lab of South Florida, Report No. **ATL-0118.01-96**, dated 3/16/96, signed and sealed by Gerard B. Sullivan, P.E. (*Submitted under NOA #96-0716.06*)

C. CALCULATIONS

1. Comparative Analysis and anchor calculations prepared by Al-Farooq Corporation, dated February 10, 2004 and revised on 4/22/04, signed and sealed by Humayoun Farooq, P.E..
2. Comparative Analysis and anchor calculations prepared by Al-Farooq Corporation, dated 11/29/96 and 5/5/98, signed and sealed by Humayoun Farooq, P.E. (*Submitted under NOA #96-0716.06*).

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0608.03** issued to E.I. DuPont DeNemours for "Sentry Glass (R) Plus" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holding L.L.C. for "SAF-GLAS Polycarbonate Laminate" dated 01/02/03, expiring on 12/16/07.



Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0602.01
Expiration Date: March 13, 2008
Approval Date: May 27, 2004

Bell-View, Inc.

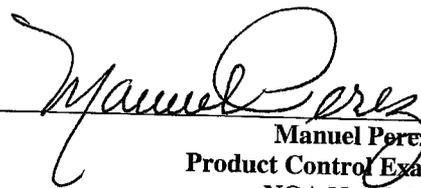
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of compliance, dated February 17, 2004, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated February 17, 2004, signed and sealed by Humayoun Farooq, P.E.
3. Letter from Tabas, Freedman & Soloff, P.A., attorneys at law office transferring and releasing ownership of engineering and product approvals from Binnings Pan American to Bell-View, Inc., signed by Joel L. Tabas.
4. Bill of Sale dated September 9, 2002 between Binnings Ad-Vantage Holdings, LLC and Bell-View, Inc. for a total of five NOA's, with notarized signature of Thomas M. Divine, authorized officer.

G. OTHER

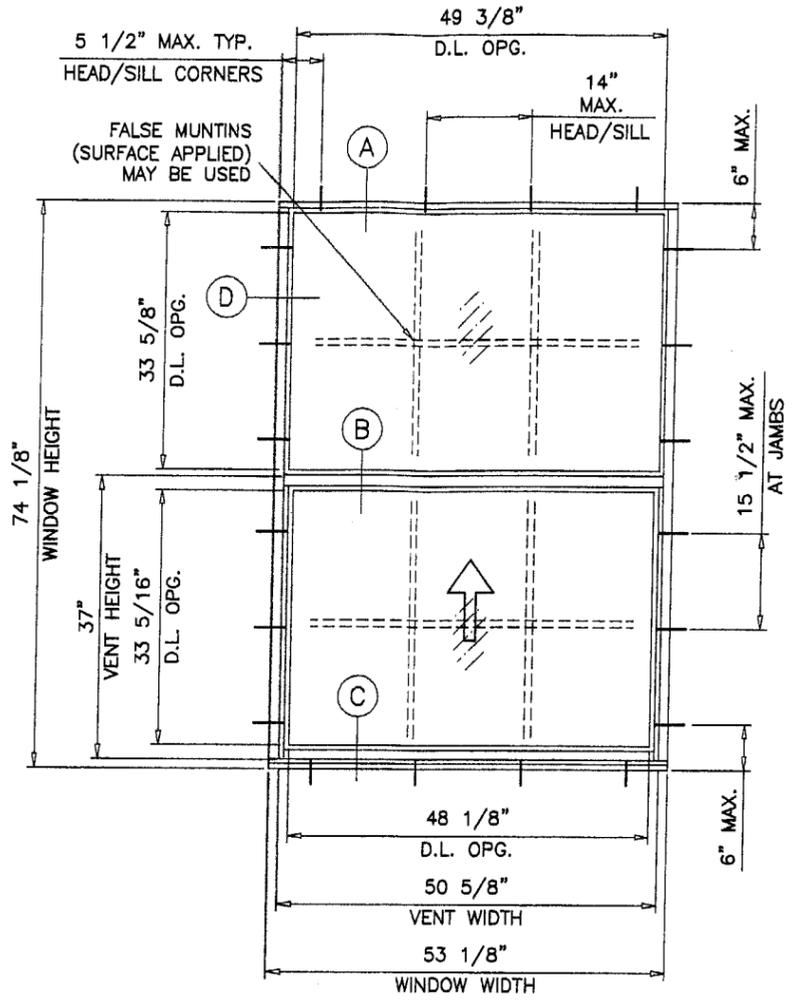
1. Notice of Acceptance No. **00-0225.04**, issued to Binnings Pan American for their PA-20 Aluminum Single Hung Window, approved on 05/05/00 and expiring on 03/13/03.



Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0602.01
Expiration Date: March 13, 2008
Approval Date: May 27, 2004

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A' & 'B'		GLASS TYPE 'C' & 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (3)	55.0	55.0	60.0	75.0
26-1/2"		55.0	55.0	60.0	75.0
37"		55.0	55.0	60.0	75.0
48"		55.0	55.0	60.0	75.0
53-1/8"	38-3/8" (3)	55.0	55.0	60.0	75.0
19-1/8"		55.0	55.0	60.0	75.0
26-1/2"		55.0	55.0	60.0	75.0
37"		55.0	55.0	60.0	75.0
48"	50-5/8" (4)	55.0	55.0	60.0	75.0
53-1/8"		55.0	55.0	60.0	75.0
19-1/8"		55.0	55.0	60.0	75.0
26-1/2"		55.0	55.0	60.0	75.0
37"	58" (4)	55.0	55.0	60.0	75.0
48"		55.0	55.0	60.0	75.0
53-1/8"		55.0	55.0	60.0	75.0
19-1/8"		55.0	55.0	60.0	75.0
26-1/2"	63" (5)	55.0	55.0	60.0	75.0
37"		55.0	55.0	60.0	75.0
48"		55.0	55.0	60.0	75.0
53-1/8"		54.3	54.3	60.0	75.0
19-1/8"	74-1/4" (6)	55.0	55.0	60.0	75.0
26-1/2"		55.0	55.0	60.0	75.0
37"		55.0	55.0	60.0	75.0
48"		51.1	51.1	60.0	75.0
53-1/8"		46.8	46.8	60.0	75.0

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



TYPICAL ELEVATION
TESTED UNIT

SERIES PA-20 ALUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

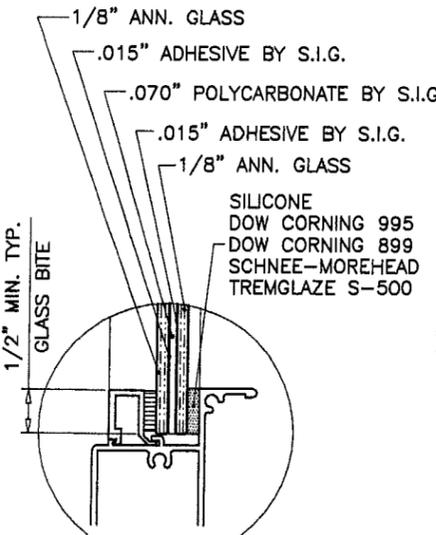
APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR S.H. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

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

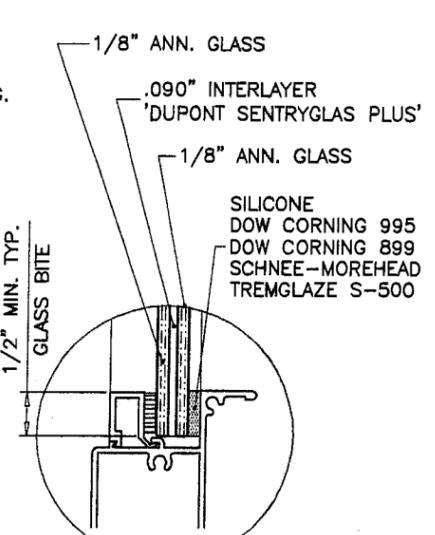
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

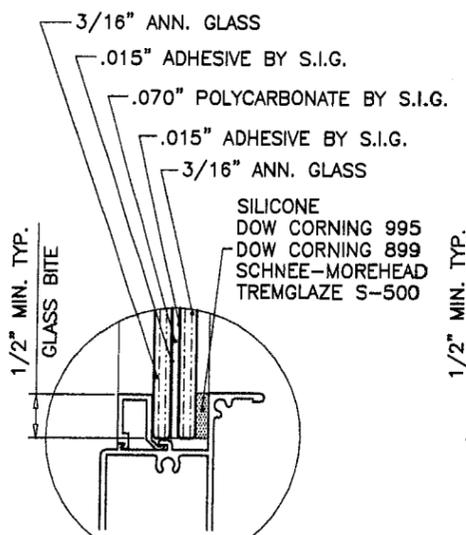
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.



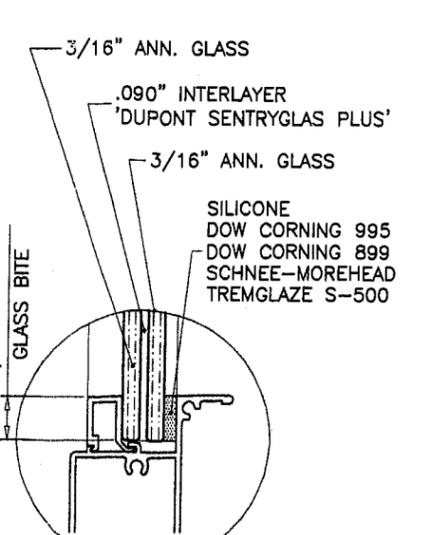
GLASS TYPE 'A'



GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

APR 26 2004

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0602.01
Expiration Date MARCH 13, 2009

By *Manuel Perez*
Miami Dade Product Control
Division

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

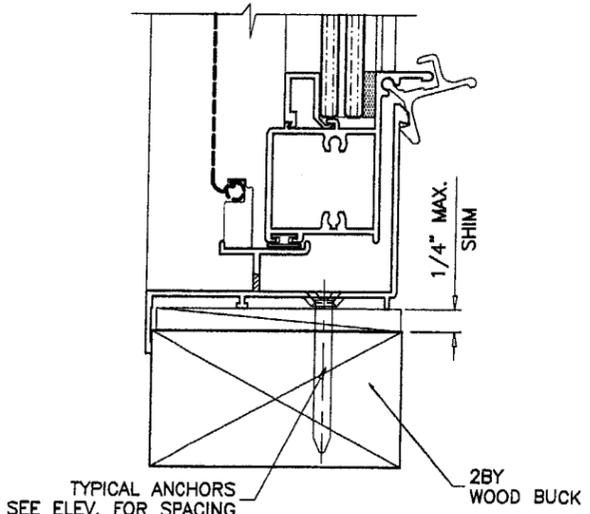
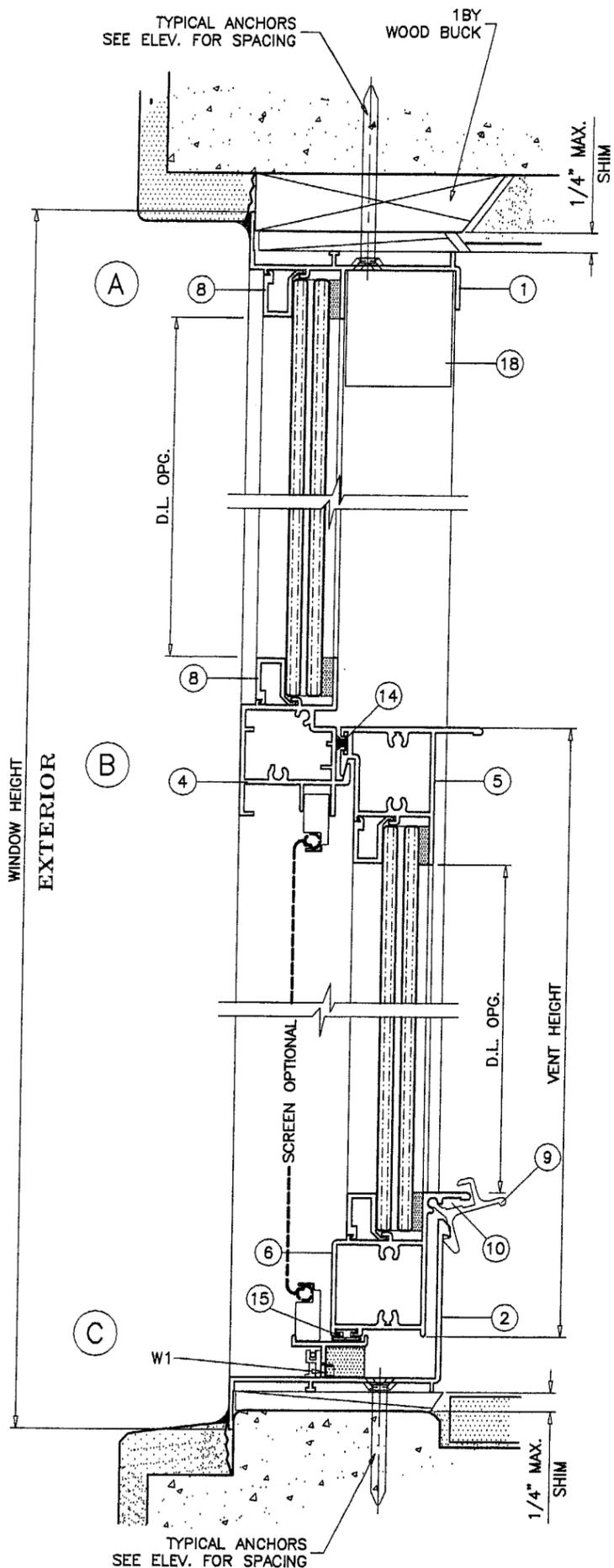
BELL-VIEW INC.
150 INDUSTRIAL BLVD.
WRIGHTSVILLE, GA. 31096
TEL. (478) 864-2227 FAX. (478) 864-2492

SERIES PA-20 ALUM SINGLE HUNG WINDOW (L.M.I.)

no.	date	by	description
A	04.05.04	REV. PER	BCCO COMMENTS

date: 01-10-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. **W04-03**
sheet 1 of 4



WOOD BUCKS NOT BY BELL-VIEW INC, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS

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

THRU 1BY BUCKS INTO CONC. OR DIRECTLY INTO CONC.
1-1/4" MIN. EMBED INTO CONC. (3000 PSI MIN.)

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

#12 SMS OR SELF DRILLING SCREWS

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 1-1/4" MIN.
INTO WOOD STRUCTURE = 1" MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SEALANT.

WEEPHOLES:

W1 = 1-1/2" X 3/16" WEEPHOLES AT 2-1/4" FROM EACH END

Engr. DR. HUMAYOUN FAROQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0602.01
Expiration Date MARCH 13, 2009

APR 26 2004

By *Manuel Perez*
Miami Dade Product Control
Division

afc

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

SERIES PA-20 ALUM SINGLE HUNG WINDOW (L.M.I.)
BELL-VIEW INC.
150 INDUSTRIAL BLVD.
WRIGHTSVILLE, GA. 31096
TEL (478) 864-2227 FAX. (478) 864-2492

no.	date	by	description
A	04.05.04	REV. PER	BCCO COMMENTS

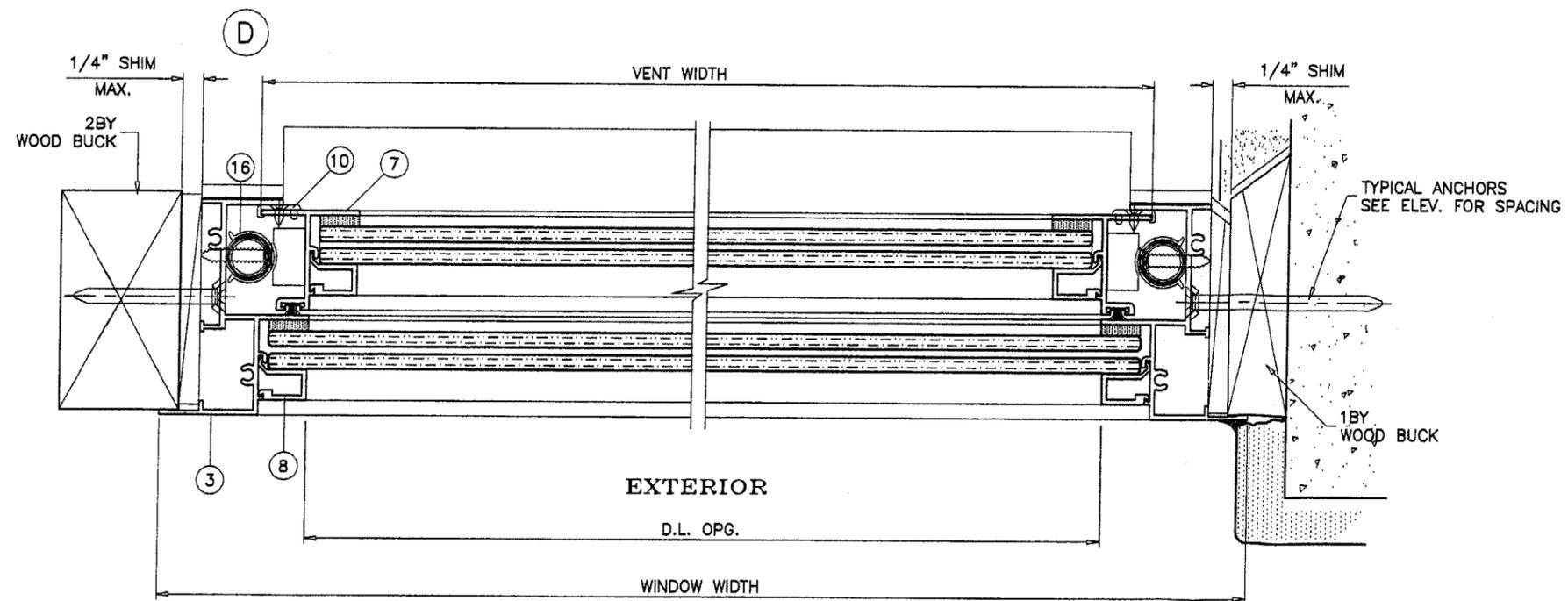
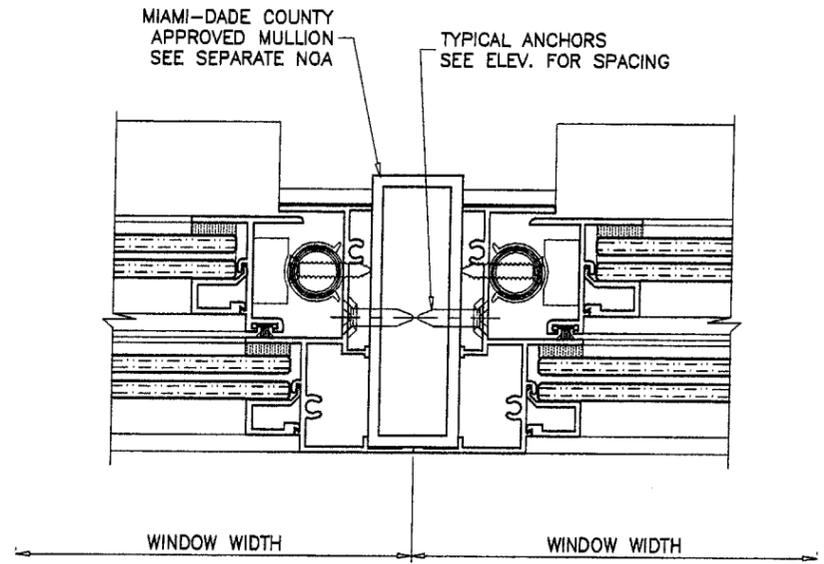
date: 01-10-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-03

sheet 2 of 4

COMP-ANL\W04-03BY

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	20-01	1	FRAME HEAD	6063-T5	-
2	20-03	1	FRAME SILL	6063-T5	-
3	20-04	2	FRAME JAMB	6063-T5	-
4	20-02	1	FIXED MTG. RAIL	6063-T5	-
5	20-05	1	VENT TOP RAIL	6063-T5	-
6	20-06	1	VENT BOTTOM RAIL	6063-T5	-
7	20-07	2	VENT SIDE RAIL	6063-T5	-
8	20-22	AS RQD.	GLAZING BEAD	6063-T6	-
9	14-89	2/VENT	VENT LATCH @ 10-3/4" FROM ENDS	6063-T5	-
10	-	-	LATCH SPRING	STEEL	-
11	-	-	-	-	-
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	-	-	-	-	-
14	4802100	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	ULTRAFAB
15	-	AS REQD.	BULB W'STRIPPING	VINYL	-
16	4807586	2/VENT	5/8" SPIRAL BALANCE	-	-
17	-	-	-	-	-
18	20-09	2	SASH STOP	ALUMINUM	-
19	20-5002	-	SASH GUIDE	-	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

APR 26 2004

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0602.01
Expiration Date MARCH 13, 2009

By: *Manuel Arz*
Miami Dade Product Control
Division

afsc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-03BY

SERIES PA-20 ALUM SINGLE HUNG WINDOW (L.M.I.)

BELL-VIEW INC.
150 INDUSTRIAL BLVD.
WRIGHTSVILLE, GA. 31096
TEL. (478) 864-2227 FAX. (478) 864-2492

revisions:

NO	DATE	BY	DESCRIPTION
A	04.05.04		NO CHANGE THIS SHEET

date: 01-10-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-03
sheet 3 of 4

