



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/

Ability Windows Corp.
1390 B Hammondville Road
Pompano Beach, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC - Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "910" Aluminum Single Hung Window – N.I.

APPROVAL DOCUMENT: Drawing No. **W06-35**, titled "Series 910 Aluminum Single Hung Wdw. (N.I.)", sheets 1 through 4 of 4, dated 05/09/06, with revision A dated 02/24/11, prepared by Ai-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 # **06-1228.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



NOA No. 11-0317.01
Expiration Date: April 12, 2016
Approval Date: May 12, 2011
Page 1

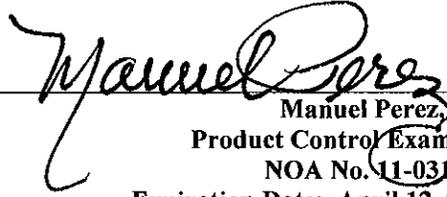
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W06-35**, Sheets 1 through 4 of 4, titled "Series 910 Aluminum Single Hung Wdw. (N.I.)", dated 05/09/06, with revision A dated 02/24/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of one specimens of 53-1/8" wide x 76-3/4" high aluminum single hung window with spring loaded sill locks, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-3954**, dated 10/08/03, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA #03-1020.01)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of three specimens of 54" wide x 90" high aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-2551**, dated 02/21/2000, signed and sealed by Aldo P. Gonzalez, P.E.
(Submitted under NOA #00-0919.04)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
along with installation diagram of a 37" wide x 63" high aluminum single hung window with 1/8" annealed glass, prepared by Fenestration Testing Laboratory, Inc. report No. **FTL-2552**, dated 02/16/2000, signed and sealed by Aldo P. Gonzalez, P.E.
(Submitted under NOA #00-0919.04)
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
along with installation diagram of a 53-1/8" wide x 76-3/4" high aluminum single hung window with 3/16" ann. glass, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-2586**, dated 02/21/2000, signed and sealed by Aldo P. Gonzalez, P.E.
(Submitted under NOA #00-0919.04)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0317.01
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C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 01/22/11, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance and of no financial interest in the lab that performed the test, dated February 22, 2011, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report no. **FTL- 3954**, issued by Fenestration Testing Laboratory, Inc., dated October 13, 2003, signed and sealed by Edmundo Largaespada, P.E.

G. OTHER

1. Notice of Acceptance No. **06-1228.06**, issued to Ability Windows Corp. for their Series 910 Aluminum Single Hung Window, approved on 03/29/07 and expiring on 04/12/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0317.01

Expiration Date: April 12, 2016
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DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (3)	60.0	91.5	60.0	91.5	60.0	91.5
26-1/2"		60.0	91.5	60.0	91.5	60.0	91.5
37"		60.0	91.5	60.0	91.5	60.0	91.5
53-1/8"		60.0	91.5	60.0	91.5	60.0	91.5
19-1/8"	38-3/8" (3)	60.0	91.5	60.0	91.5	60.0	91.5
26-1/2"		60.0	91.5	60.0	91.5	60.0	91.5
37"		60.0	71.6	60.0	91.5	60.0	91.5
53-1/8"		52.9	52.9	60.0	67.9	60.0	67.9
19-1/8"	50-5/8" (4)	60.0	91.5	60.0	91.5	60.0	91.5
26-1/2"		60.0	88.7	60.0	91.5	60.0	91.5
37"		60.0	63.2	60.0	91.5	60.0	91.5
53-1/8"		-	-	55.4	55.4	55.4	55.4
19-1/8"	56-5/8" (4)	60.0	91.5	60.0	91.5	60.0	91.5
26-1/2"		60.0	80.8	60.0	91.5	60.0	91.5
37"		60.0	60.3	60.0	87.7	60.0	87.7
53-1/8"		-	-	51.4	51.4	51.4	51.4
19-1/8"	63" (5)	60.0	89.2	60.0	91.5	60.0	91.5
26-1/2"		60.0	74.1	60.0	91.5	60.0	91.5
37"		56.2	56.2	60.0	84.7	60.0	84.7
53-1/8"		-	-	48.2	48.2	48.2	48.2
19-1/8"	72" (5)	60.0	74.4	60.0	91.5	60.0	91.5
26-1/2"		60.0	64.3	60.0	91.5	60.0	91.5
37"		-	-	60.0	82.3	60.0	82.9
53-1/8"		-	-	44.8	44.8	44.8	44.8
19-1/8"	76-3/4" (6)	60.0	68.6	60.0	91.5	60.0	91.5
26-1/2"		59.4	59.4	60.0	91.5	60.0	91.5
37"		-	-	60.0	78.0	60.0	82.8
53-1/8"		-	-	43.5	43.5	43.5	43.5

() NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB

SERIES 910 ALUMINUM SINGLE HUNG WDW.

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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

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

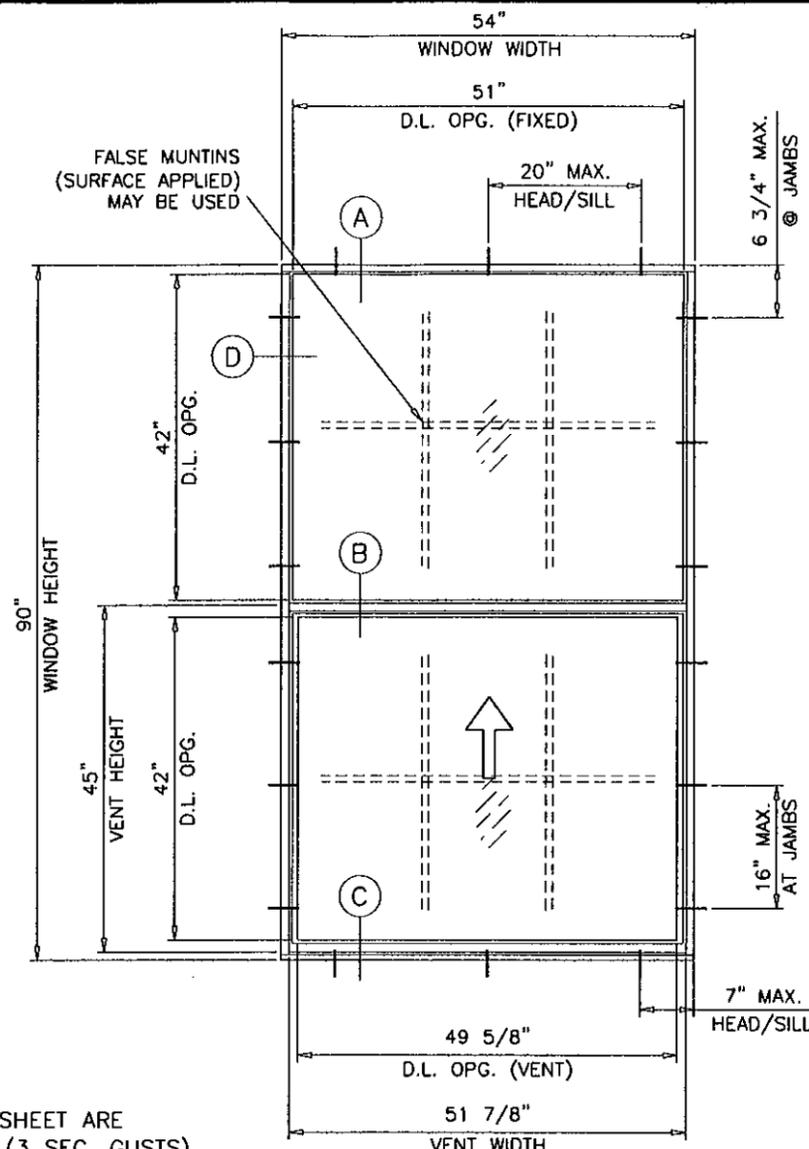
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	48" (4)	60.0	91.5	60.0	91.5	60.0	91.5
30"		60.0	83.6	60.0	91.5	60.0	91.5
36"		60.0	66.8	60.0	91.5	60.0	91.5
42"		53.5	53.5	60.0	78.8	60.0	78.8
48"		44.3	44.3	60.0	65.6	60.0	65.6
54"		-	-	56.3	56.3	56.3	56.3
24"	60" (4)	60.0	83.6	60.0	91.5	60.0	91.5
30"		60.0	68.1	60.0	91.5	60.0	91.5
36"		59.8	59.8	60.0	90.0	60.0	90.0
42"		-	-	60.0	70.0	60.0	70.0
48"		-	-	57.3	57.3	57.3	57.3
54"		-	-	48.5	48.5	48.5	48.5
24"	72" (5)	60.0	66.8	60.0	91.5	60.0	91.5
30"		59.8	59.8	60.0	91.5	60.0	91.5
36"		-	-	60.0	83.7	60.0	87.5
42"		-	-	60.0	65.6	60.0	65.6
48"		-	-	52.5	52.5	52.5	52.5
54"		-	-	43.8	43.8	43.8	43.8
24"	84" (6)	53.5	53.5	60.0	91.5	60.0	91.5
30"		-	-	60.0	85.6	60.0	91.5
36"		-	-	60.0	74.8	60.0	87.5
42"		-	-	60.0	64.0	60.0	64.3
48"		-	-	50.0	50.0	50.0	50.0
54"		-	-	-	-	40.9	40.9
24"	90" (6)	48.5	48.5	60.0	91.5	60.0	91.5
30"		-	-	60.0	78.6	60.0	91.5
36"		-	-	60.0	70.0	60.0	87.5
42"		-	-	60.0	61.4	60.0	64.3
48"		-	-	-	-	49.4	49.4
54"		-	-	-	-	40.0	40.0
24"	96" (7)	44.3	44.3	60.0	88.3	60.0	91.5
30"		-	-	60.0	72.2	60.0	91.5
36"		-	-	60.0	65.3	60.0	87.5
42"		-	-	58.6	58.6	60.0	64.3
48"		-	-	-	-	49.2	49.2

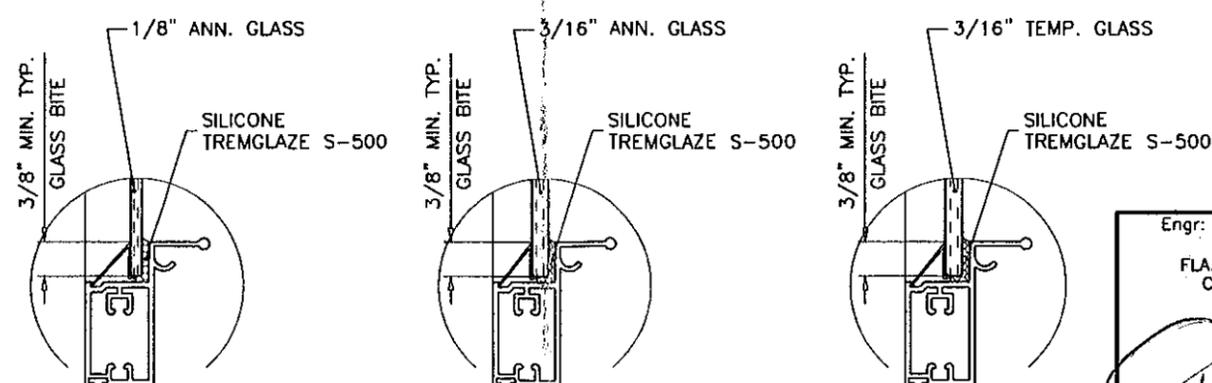
() NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB



TYPICAL ELEVATION

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

WINDOWS NOT RATED FOR IMPACT. INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS. INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.



GLASS TYPE 'A' GLASS TYPE 'B' GLASS TYPE 'C'

GLAZING OPTIONS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

FEB 24 2011

MONOLITHIC GLASS
NON-IMPACT

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 11-0317.01
Expiration Date APRIL 12, 2016

By: *Maamul Bera*
Miami-Dade Product Control

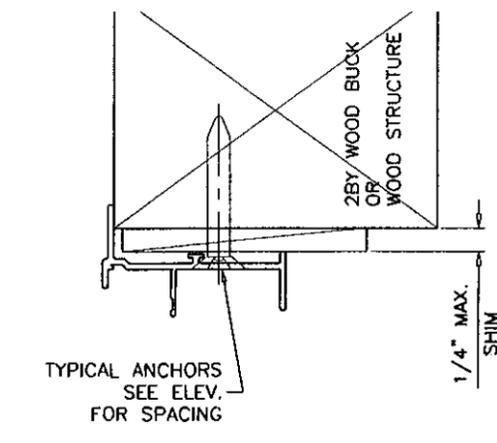
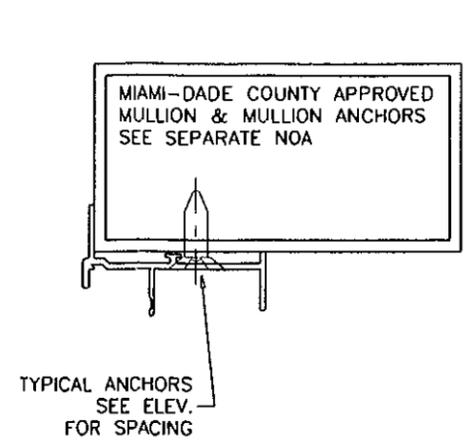
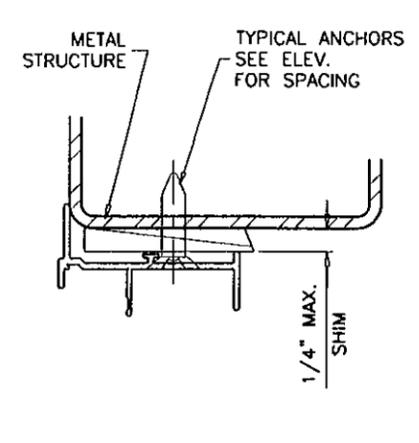
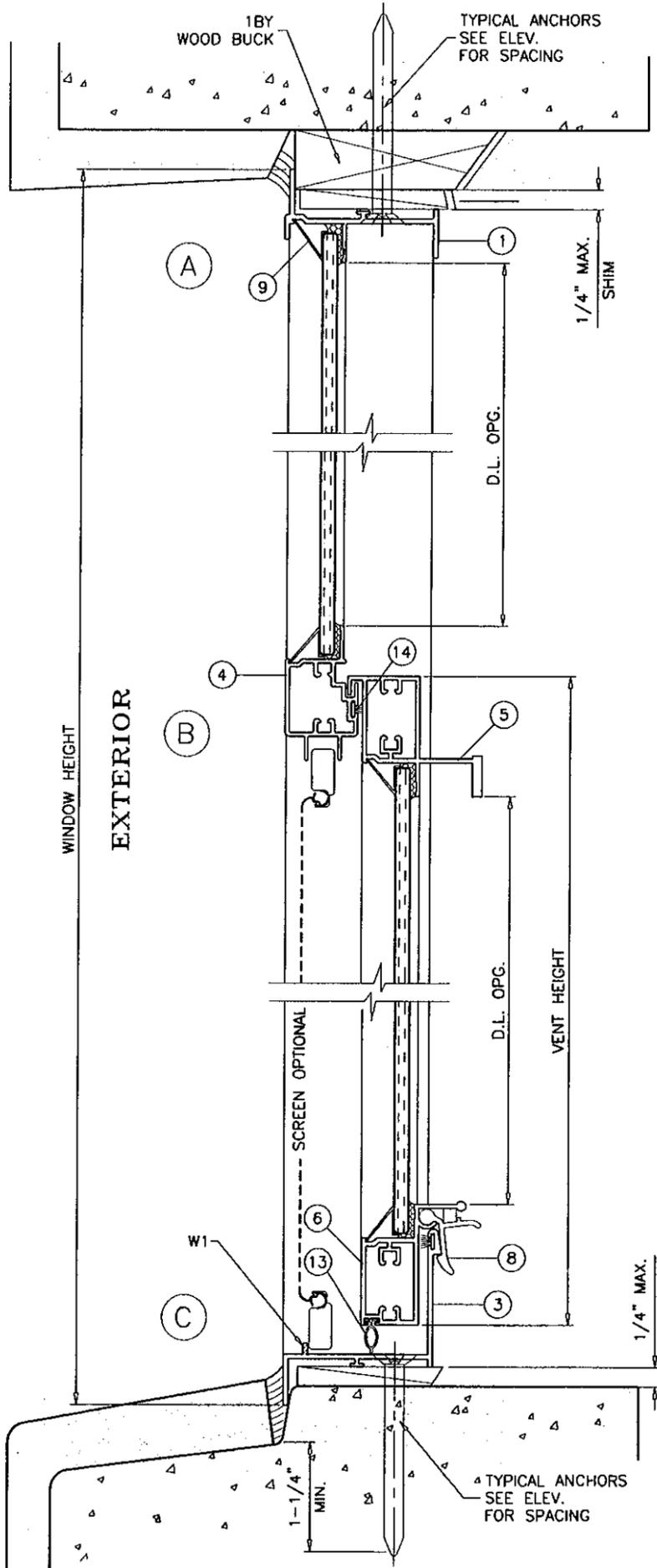
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W06-35AWC

SERIES 910 ALUMINUM SINGLE HUNG WDW. (N.I.)
ABILITY WINDOW CORPORATION
1390 B HAMMONDVILLE ROAD
POMPANO BEACH, FL. 33069
TEL (954) 973-1362 FAX (954) 973-1317

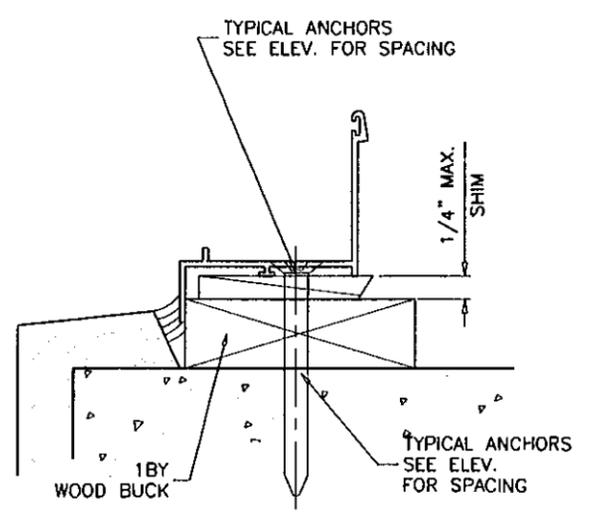
revisions:
no. date by description
A 02.24.11 updated to 2007 FBC

date: 05-09-06
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no. **W06-35**
sheet 1 of 4



WOOD BUCKS AND METAL STRUCTURE NOT BY ABILITY WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SEAM SEALER.

WEEPHOLES:
 W1 = 1/2" LONG NOTCH AT EACH END

Engr: JAVAD AHMAD,
 CIVIL
 FLA. P.E. # 70592
 C.A.N. 3538
 FEB 24 2011

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 11-0317.01
 Expiration Date APRIL 12, 2016
 By: *Manuel Ruiz*
 Miami Dade Product Control

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W06-35AWC

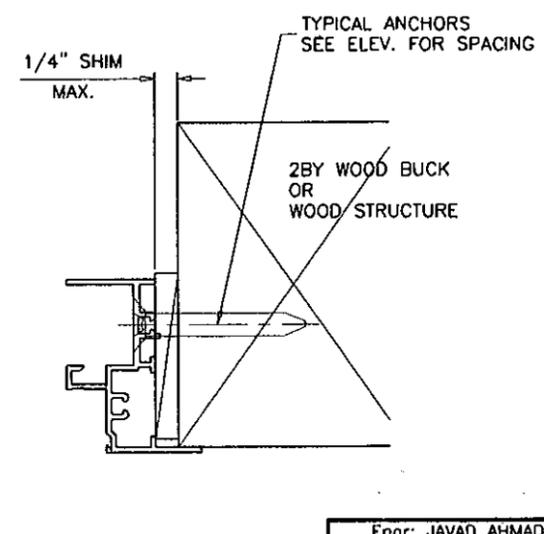
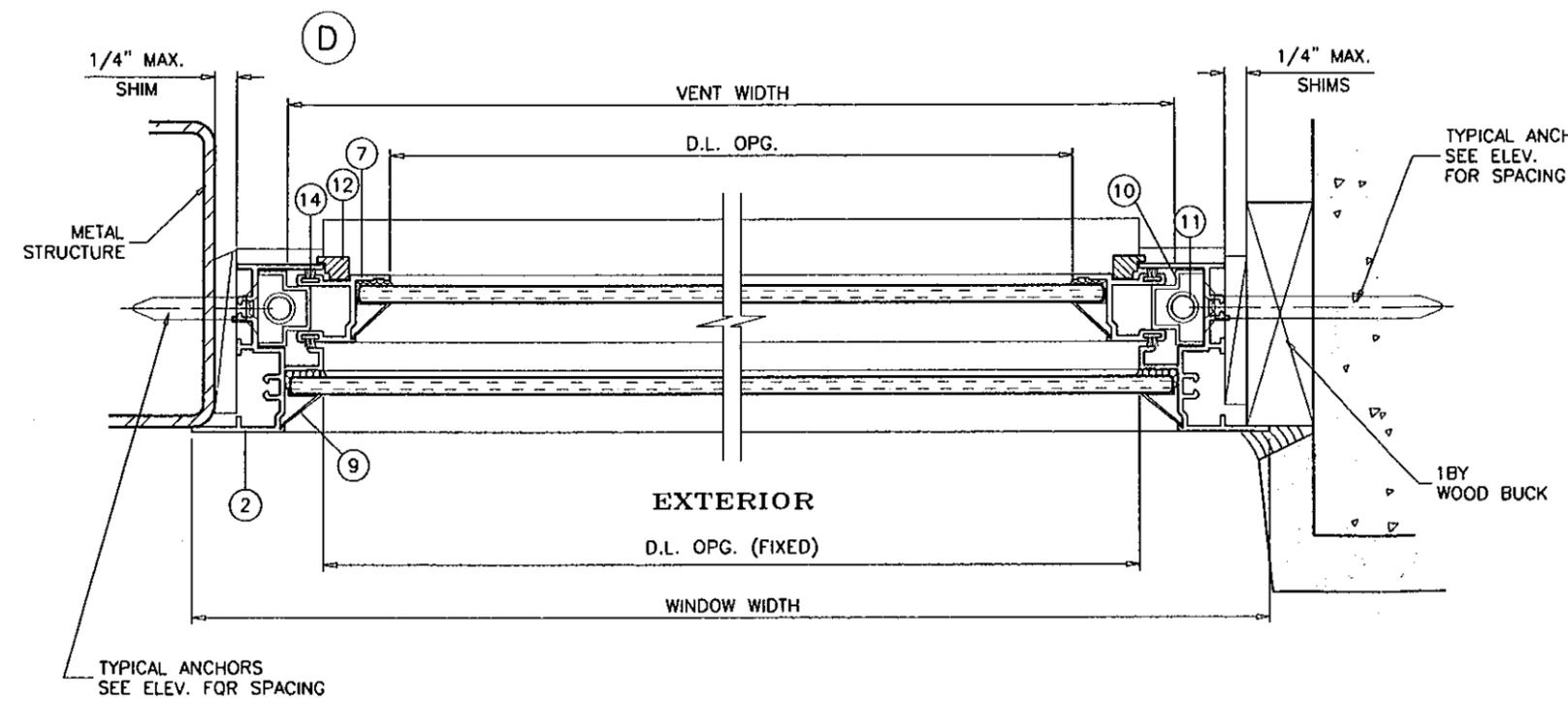
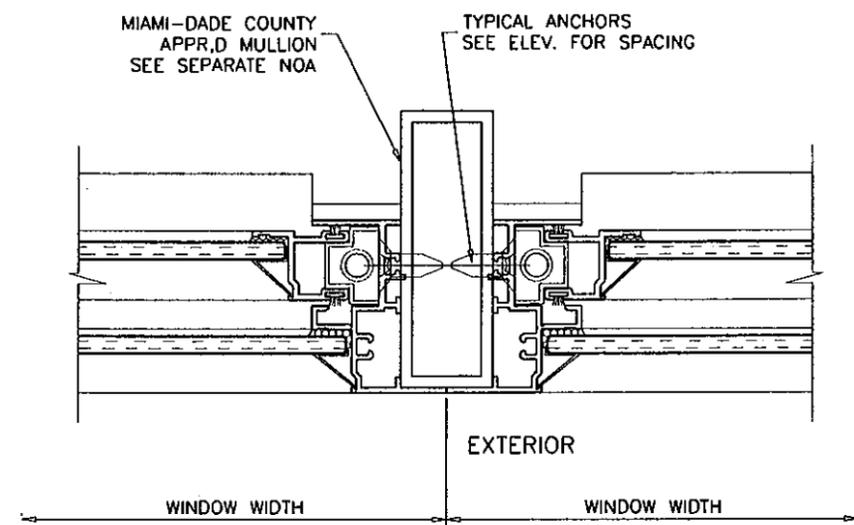
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ABILITY WINDOW CORPORATION
 1390 B HAMMONDVILLE ROAD
 POMPANO BEACH, FL. 33069
 TEL. (954) 973-1362 FAX. (954) 973-1317

no	date	by	description
A	02.24.11		UPDATED TO 2007 FBC

date: 05-09-06
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W06-35
 sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GW-31798	1	FRAME HEAD	6063-T6	-
2	TM-117	2	FRAME JAMB	6063-T6	-
3	TM-114	1	FRAME SILL	6063-T6	-
4	GW-36123	1	FIXED MTG. RAIL	6063-T6	-
5	TM-113	1	STD. VENT TOP RAIL	6063-T6	-
6	TM-112	1	VENT BDTTOM RAIL	6063-T6	-
7	GW-31802	2	VENT JAMB	6063-T6	-
8	TM-115	2/VENT	SPRING LOADED EGRESS LOCK @ 6" FROM ENDS	6063-T6	-
8A	-	2/VENT	LATCH LOCK @ 6" FROM ENDS	CAST	-
9	05-273	AS REQD.	ROLL FORMED GLAZING BEAD	ALUMINUM	-
10	-	2	VENT STOP (5-1/4" LONG)	PLASTIC	-
11	-	2	SPIRAL BALANCE	-	CALDWELL
12	-	4	VENT GUIDE	PLASTIC	-
13	WV-3045	AS REQD.	BULB WEATHERSTRIP	VINYL	-
14	W43201	AS REQD.	FIN SEAL WEATHERSTRIP	WOOL	-
15	W43371	AS REQD.	FIN SEAL WEATHERSTRIP	WOOL	-
16	-	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	#10 x 1" P.H. SMS



Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

J.A.
 FEB 24 2011

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 11-0317-01
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By *Manuel Perez*
 Miami Dade Product Control

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W06-35AWC

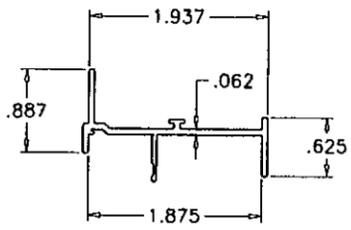
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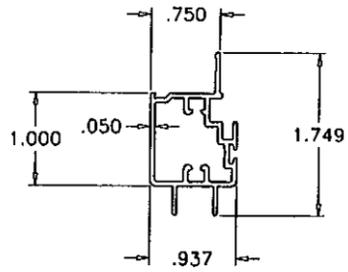
no.	date	description
A	02.24.11	UPDATED TO 2007 FBC

date: 05-09-06
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

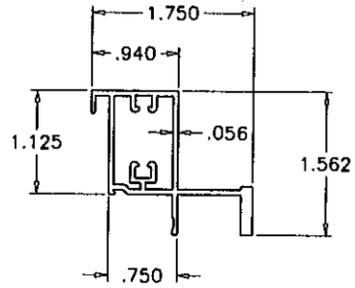
drawing no.
W06-35
 sheet 3 of 4



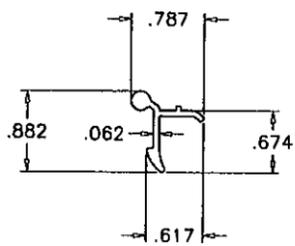
① FRAME HEAD



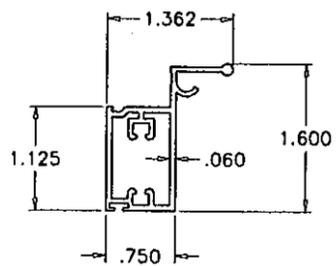
④ FIXED MEETING RAIL



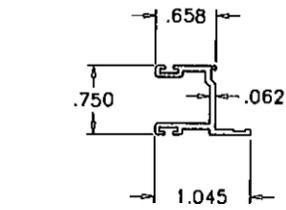
⑤ STD. VENT TOP RAIL



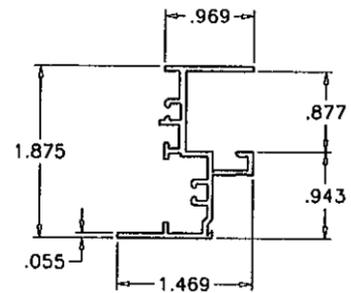
⑧ SASH LATCH



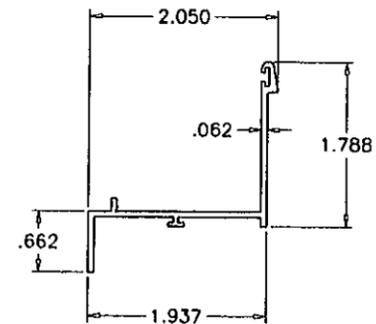
⑥ VENT BOTTOM RAIL



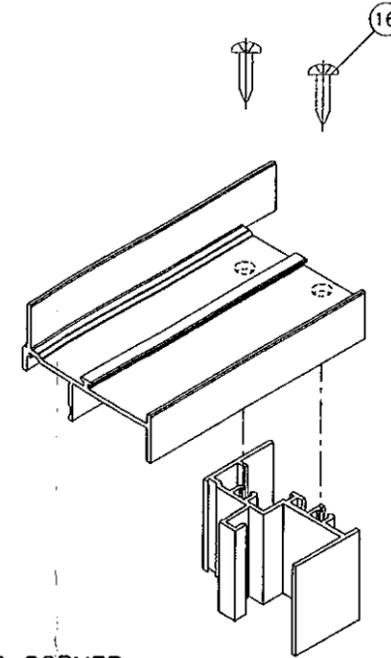
⑦ SASH SIDE RAIL



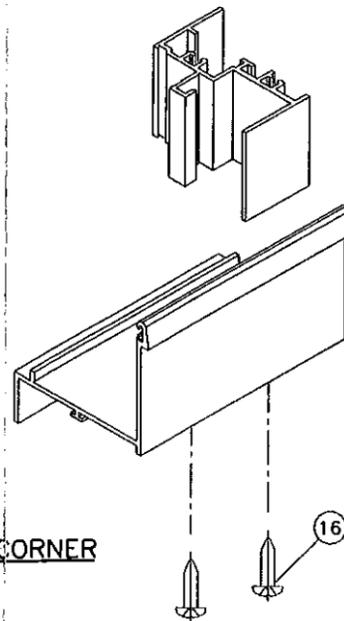
② FRAME JAMB



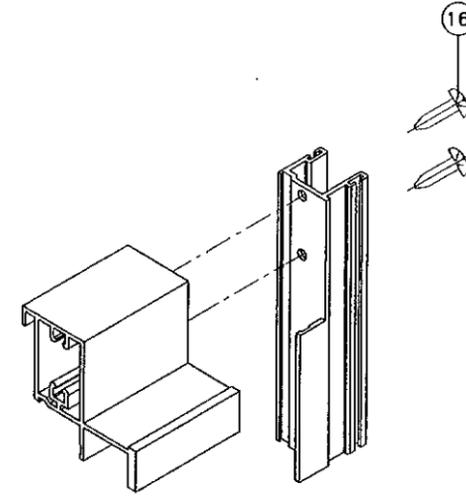
③ FRAME SILL



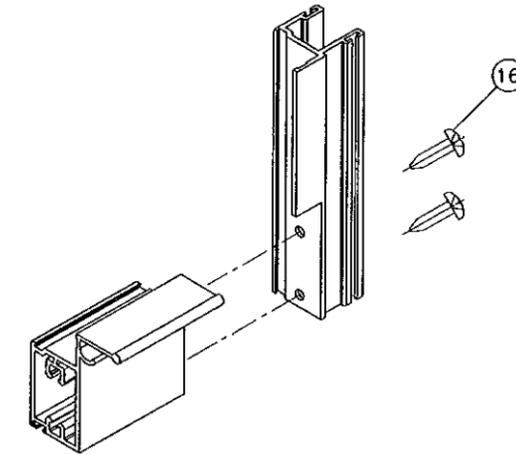
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

Engr: JAVAD AHMAD,
CIVIL
FLA. PE # 70592
C.A.N. 3538

J.A.

FEB 24 2011

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0317.01
Expiration Date APRIL 12, 2016

By *Manuel Perez*
Miami Dade Product Control

afc

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SERIES 910 ALUMINUM SINGLE HUNG WDW. (N.I.)

ABILITY WINDOW CORPORATION
1390 B HAMMONDVILLE ROAD
POMPANO BEACH, FL. 33069
TEL. (954) 973-1362 FAX. (954) 973-1317

no	date	description
A	02.24.11	UPDATED TO 2007 FBC

date: 05-09-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-35
sheet 4 of 4