



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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Universal Impact Windows & Doors, Inc.
1675 West 31 Place
Hialeah, FL 33012

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 "Monica-Coastal" Aluminum Sliding Glass Door -S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-08**, titled "Series 'Monica-Coastal' Alum SLD. GI Door (S.M.I.)", sheets 1 through 4 of 4, prepared by AL-Farooq Corporation, dated 01/03/07 and last revised on Mar 14, 2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 07-0212.07
Expiration Date: April 05, 2012
Approval Date: April 05, 2007
Page 1



A
3/15/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-08**, titled "Series 'Monica-Coastal' Alum SLD. GI Door (S.M.I.)", sheets 1 through 4 of 4, prepared by AL-Farooq Corporation, dated 01/03/07 and last revised on Mar 14, 2007, signed and sealed by Dr. Humayoun Farooq, 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) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5097**, dated 01/07/07, signed and sealed by Michael Wenzel, P.E. (Note this test report has been revised by addendum letter dated March 13, 2007, issued by Fenestration Testing Laboratory, signed and sealed by Michael Wenzel, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis complying w/ FBC 2004, prepared by Al Farooq Corporation, dated 02/06/07, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies w/ ASTM E-1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

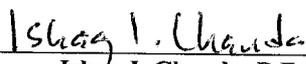
1. Notice of Acceptance No. **05-1208.02**, issued to E.I. Dupont de Nemours & Co., Inc., for their "DuPont Butacite PVB ®", expiring on 12/11/10
2. Notice of Acceptance No. **03-0827.08**, issued to Solutia Inc., for their "Solutia interlayer for laminated Glass ®", expiring on 03/04/09.

F. STATEMENTS

1. Statement letters of conformance and "No financial interest", dated 01/13/07 issued by Al-Farooq Corp., signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of Lab compliance, as part of test report, issued by Fenestration Testing Laboratory.
3. Addendum letter dated March 13, 2007, issued by Fenestration Testing Laboratory, signed and sealed by Michael Wenzel, P.E.

G. OTHER

1. None



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 07-0212.07
Expiration Date: April 05, 2012
Approval Date: April 05, 2007

DESIGN LOAD CAPACITY - PSF					
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	LIGHT REINFORCING		HEAVY REINFORCING	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	80	75.0	75.0	80.0	125.0
33		75.0	75.0	80.0	125.0
36		75.0	75.0	80.0	125.0
38		75.0	75.0	80.0	125.0
42		75.0	75.0	80.0	125.0
45		75.0	75.0	80.0	125.0
30	96	75.0	75.0	80.0	125.0
33		75.0	75.0	80.0	125.0
36		75.0	75.0	80.0	125.0
38		75.0	75.0	80.0	125.0

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

DOORS ARE RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT
SHUTTERS ARE REQUIRED FOR INSTALLATIONS
UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS
ABOVE 30 FT. OF GRADE.

**SERIES 'MONICA COASTAL'
ALUMINUM SLIDING GLASS DOOR**

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHARTS
SHOWN ABOVE.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING
HIGH VELOCITY HURRICANE ZONE (HVHZ).

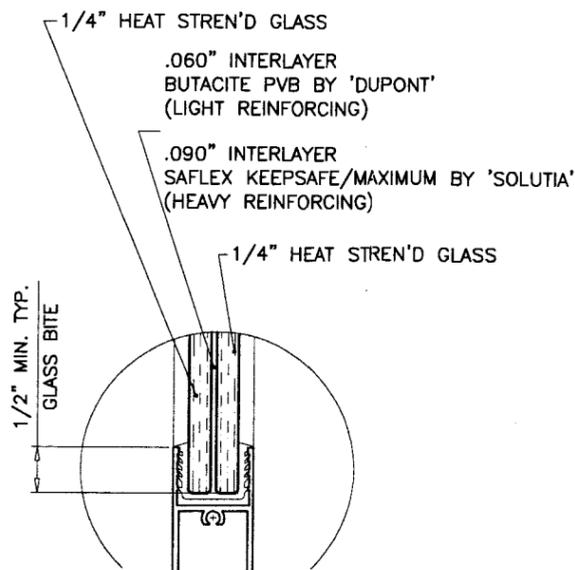
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

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

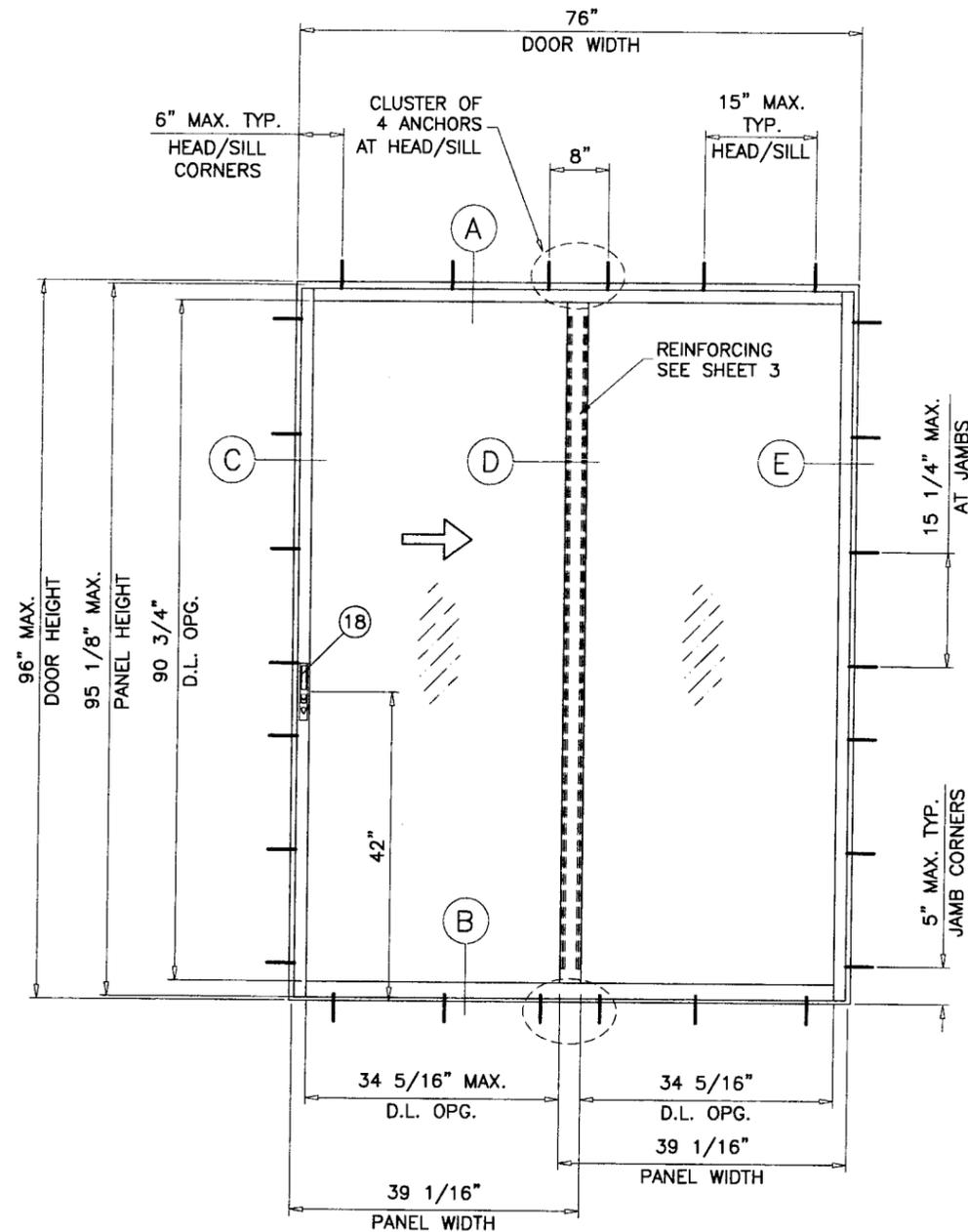
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS 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 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING DETAIL
(S.M.I.)



Approved as complying with the
Florida Building Code
Date APRIL 05, 2007
NOA# 07-0212.07
Miami Dade Product Control
Division
By Shaq I. Lhanda

TYPICAL ELEVATION
TESTED UNIT
XO (OX OPPOSITE)

D.L.O. HEIGHT = DOOR HEIGHT - 5.25"
D.L.O. WIDTH = AVG. PANEL WIDTH - 3.687"

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

MAR 14 2007

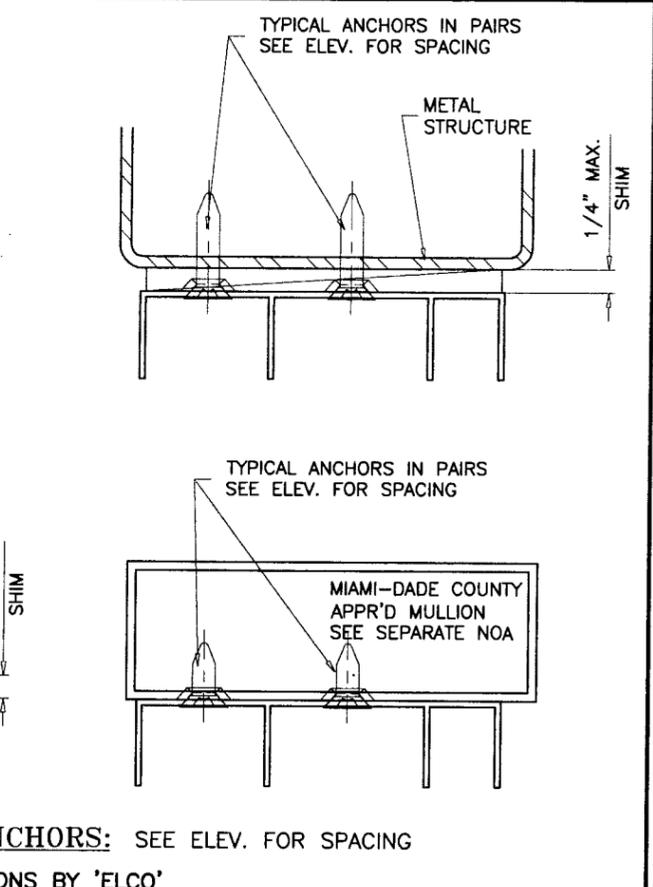
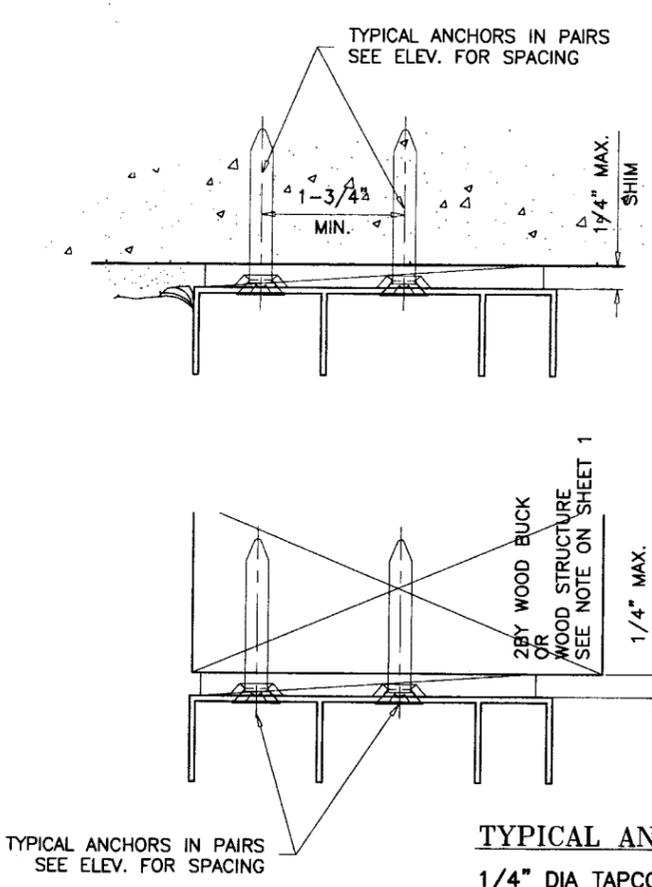
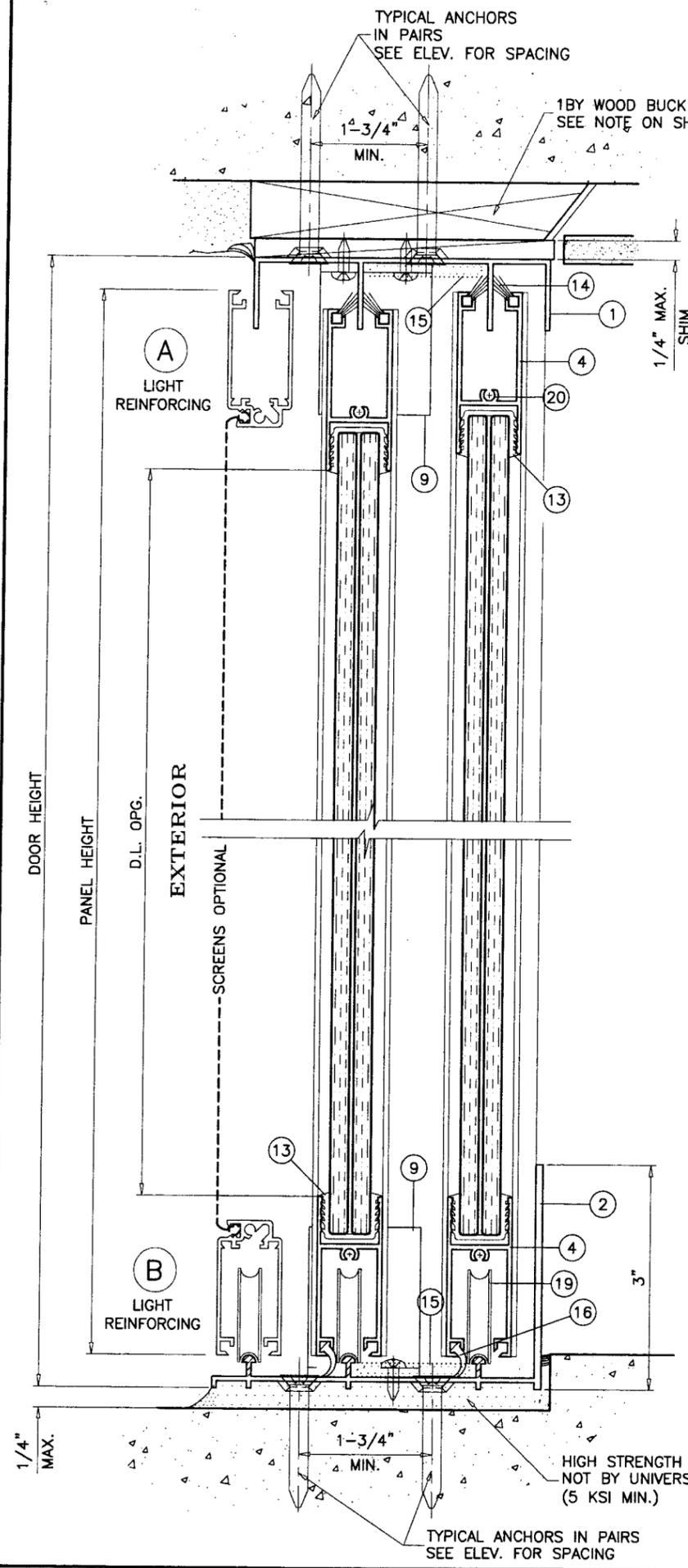
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-08UW

SERIES 'MONICA COASTAL' ALUM SLIDING GL. DOOR (S.M.I.)
UNIVERSAL IMPACT WINDOWS AND DOORS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description	REV. PER BCCO COMMENTS
A	03.13.07				

date: 01-30-07
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-08



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA TAPCONS BY 'ELCO'
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.
 DIRECTLY INTO CONCRETE OR MASONRY
 1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

#14 SMS OR SELF DRILLING SCREWS
 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
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 (NO SHIM SPACE)

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

SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL
 SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

Approved as complying with the
 Florida Building Code
 Date APRIL 05, 2007
 NOA# 07-0212-07
 Miami Dade Product Control
 Division
 By *Ismael J. Chanda*

WOOD BUCKS AND METAL STRUCTURES NOT BY UNIVERSAL WDWS.
 MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
 TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 MAR 14 2007

afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-08UW

SERIES 'MONICA COASTAL' ALUM SLIDING GL. DOOR (S.M.I.)
UNIVERSAL IMPACT WINDOWS AND DOORS
 1675 W. 31ST PLACE
 HIALEAH, FL. 33012
 TEL. (305) 825-7900 FAX (305) 825-5805

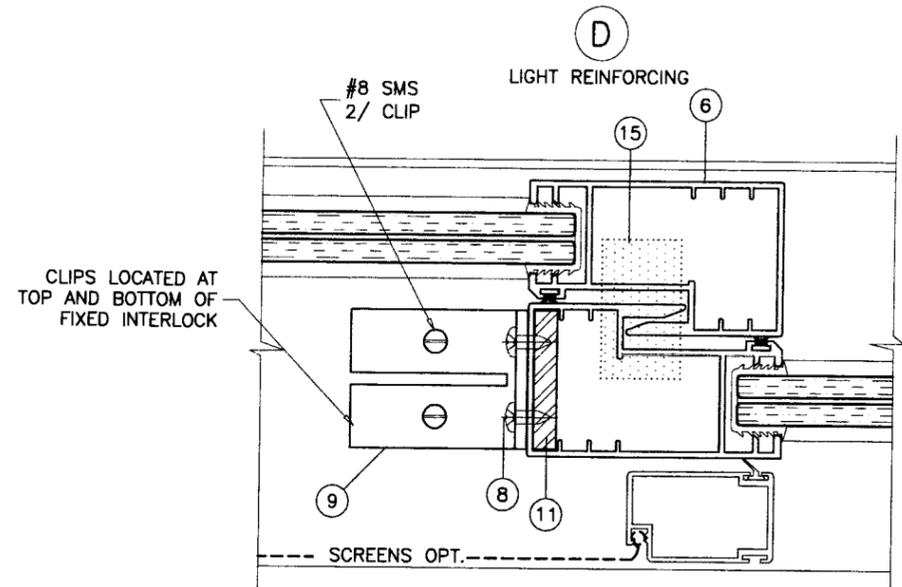
no	date	by	description
A	03.13.07		REV. PER BCCO COMMENTS

revisions:

date: 01-30-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-08

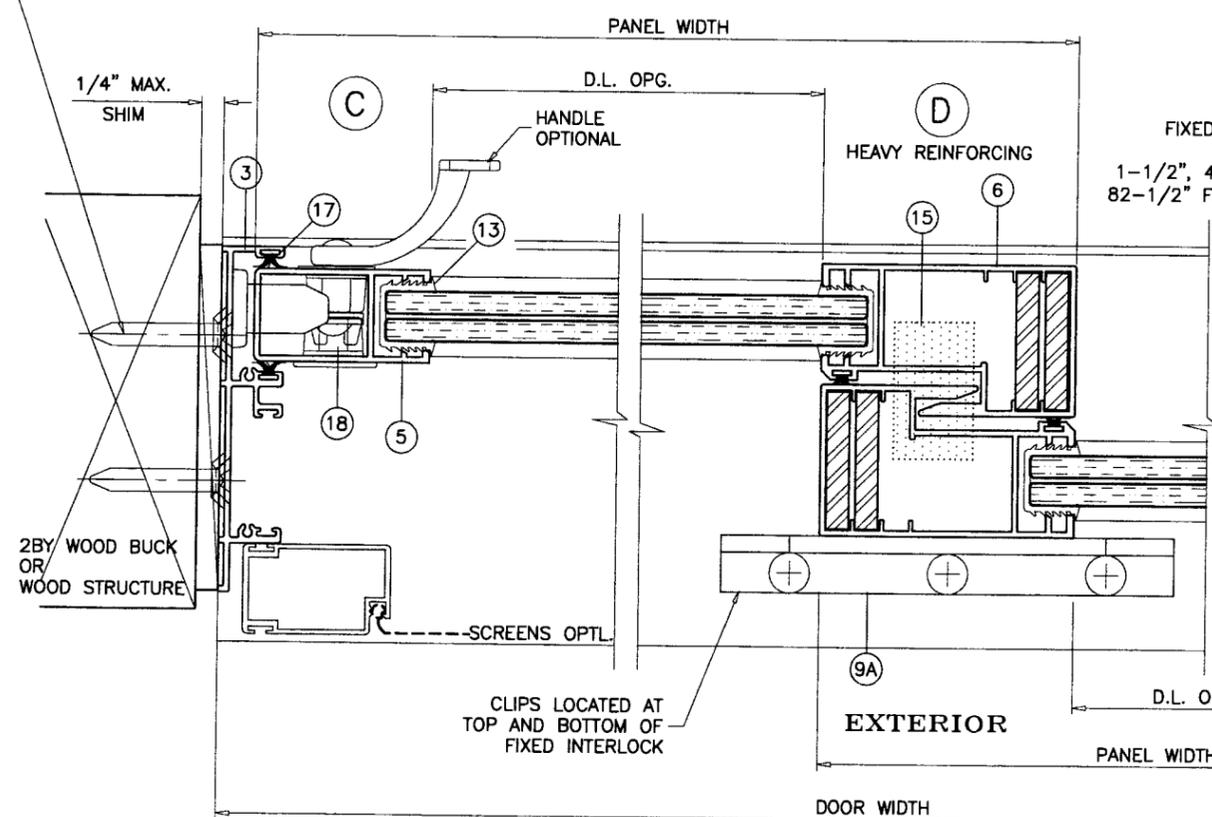
sheet 2 of 4



EXTERIOR

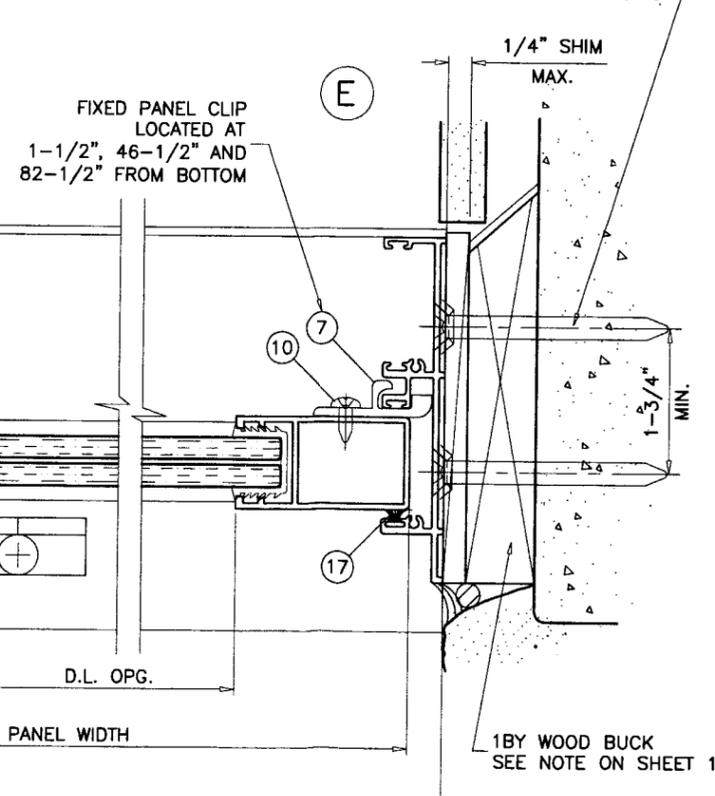
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	USD-101	1	FRAME HEAD	6063-T6	-
2	UA-1007	1	FRAME SILL	6063-T6	-
3	USD-103	2	FRAME JAMB	6063-T6	-
4	UA-1058	2/ PANEL	TOP & BOTTOM RAIL	6063-T6	-
5	UA-1056	AS REQD.	LOCK STILE	6063-T6	-
6	UA-1055	AS REQD.	INTERLOCK	6063-T6	-
7	UA-1064	3/ FIX. PANEL	FIXED PANEL JAMB CLIP	6063-T6	-
8	#10 X 1-1/2"	2/ CLIP	CLIP ANGLE SCREWS	-	-
9	-	2	FIX. INTERLOCK CLIP ANGLE	ALUMINUM	2" X 2" X 1/8" X 1-1/4" LONG
9A	-	2	FIX. INTERLOCK CLIP ANGLE	ALUMINUM	1" X 5/8" X 3/16" X 5-1/8" LONG
10	#8 X 5/8"	1/ CLIP	JAMB CLIP SCREW	-	-
11	-	AS REQD.	1/4" X 1-1/2" BAR (● INTERLOCK STILES)	STEEL	LENGTH OF STILE - 8"
12	USD-116	2/ PANEL	PANEL TOP GUIDE	-	-
13	-	AS REQD.	GLAZING VINL	-	-
14	Q3653	AS REQD.	TOP RAIL SKIRTING	-	SCHLEGEL OR EQUIV.
15	-	-	7/8" X 1-1/2" ADHESIVE BACK PILE PAD	-	AT HEAD & SILL
16	SK-1003-518	AS REQD.	BOTTOM RAIL VINYL FLAP W'STRIPPING	-	SCHLEGEL OR EQUIV.
17	PB-8223-187	AS REQD.	PILE W'STRIPPING ● STILES & JAMBS	-	SCHLEGEL OR EQUIV.
18	-	1/ LOCK PANEL	DOOR LOCK ASSEMBLY	-	ALLEN STEVENS OR EQUIV.
19	-	2/ PANEL	ROLLER ASSEMBLY	-	ALLEN STEVENS OR EQUIV.
20	#8 X 1"	4/ PANEL	PANEL ASSEMBLY SCREWS	-	PH SMS
21	#8 X 1"	8	FRAME ASSEMBLY SCREWS	-	PH SMS

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

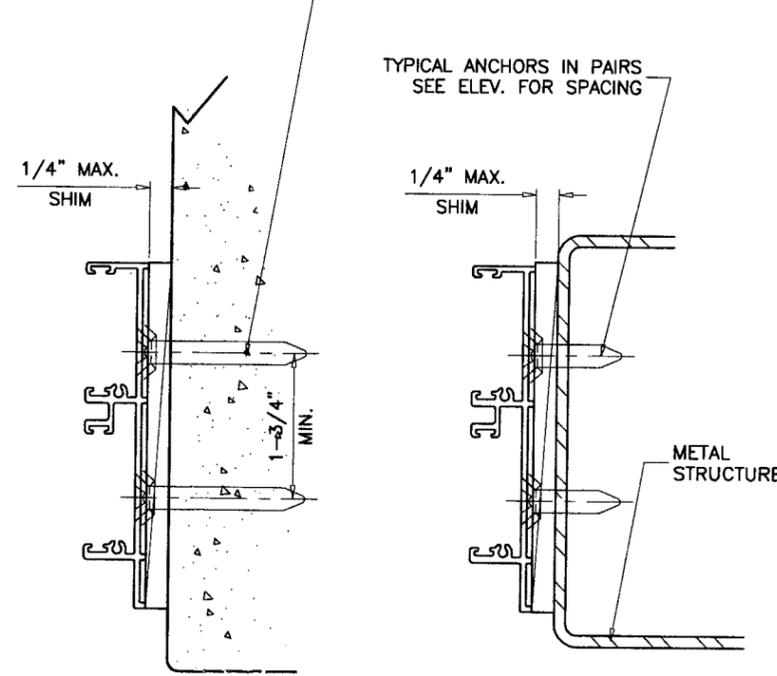


EXTERIOR

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



METAL STRUCTURE

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

MAR 14 2007

Approved as complying with the
Florida Building Code
Date: APRIL 05, 2007
NOAH 07-0212-07
Miami Dade Product Control
Division
By: Isag J. Chanda

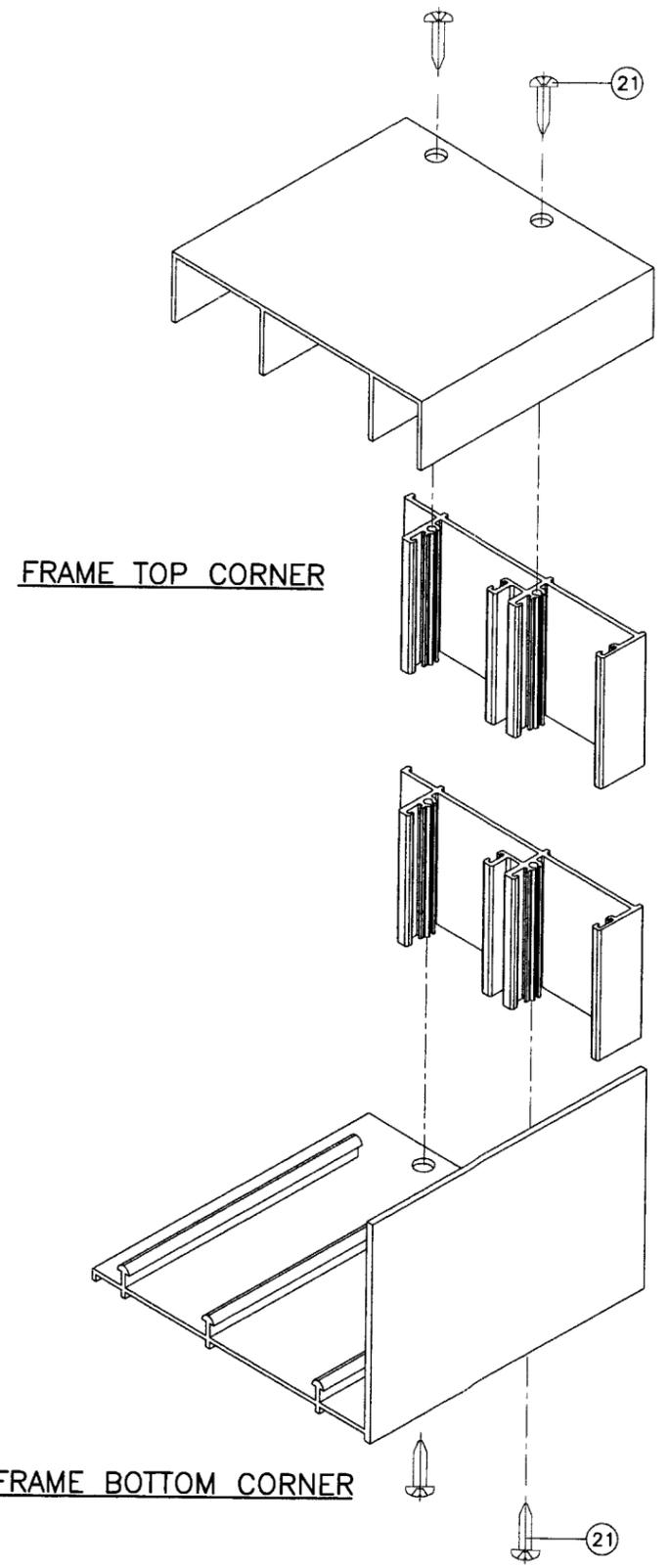
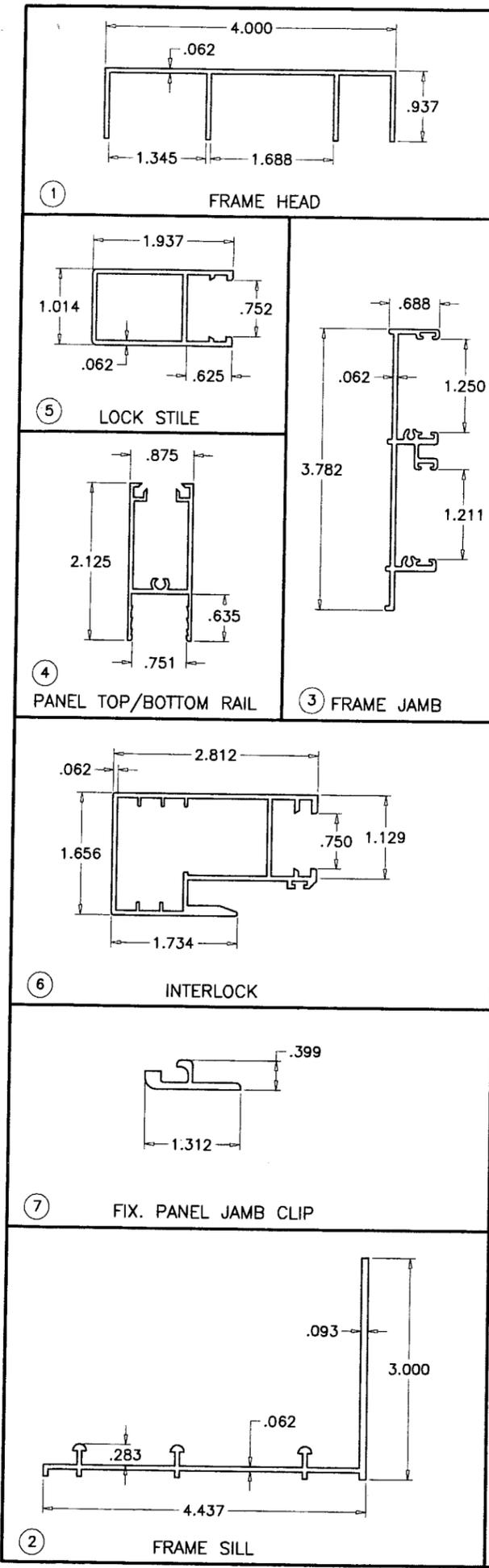
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-08UW

SERIES 'MONICA COASTAL' ALUM SLIDING GL. DOOR (S.M.I.)
UNIVERSAL IMPACT WINDOWS AND DOORS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

no	date	by	description
A	03.13.07		REV. PER BCCO COMMENTS

revisions:
date: 01-30-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-08
sheet 3 of 4



Approved as complying with the
 Florida Building Code
 Date APR 05, 2007
 NOA# 07-0312-07
 Miami Dade Product Control
 Division
 By Khalq I. Chaudhri

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

MAR 14 2007

afc
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-08UW

SERIES 'MONICA COASTAL' ALUM SLIDING GL. DOOR (S.M.I.)
UNIVERSAL IMPACT WINDOWS AND DOORS
 1675 W. 31ST PLACE
 HIALEAH, FL. 33012
 TEL. (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description
	A	03.13.07		NO CHANGE THIS SHEET

date: 01-30-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-08

sheet 4 of 4