



MIAMI-DADE COUNTY
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)

Benor Windows
8499 Devonshire Place
Montreal, Quebec, Canada H4P2K1

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 PVC Frame Fixed Windows

APPROVAL DOCUMENT: Drawing No. **W01-33**, titled "Series PVC Frame Fixed Windows (LMI)", sheets 1 through 5 of 5, prepared by Al Farooq Corp., dated 11-27-01 and last revised on Feb. 05, 2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal 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 Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Montreal, Quebec 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 & renews NOA # 01-0927.02** and 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 06-1127.01
Expiration Date: January 03, 2012
Approval Date: March 08, 2007
Page 1

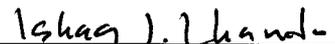


4
2/15/07

Benor Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

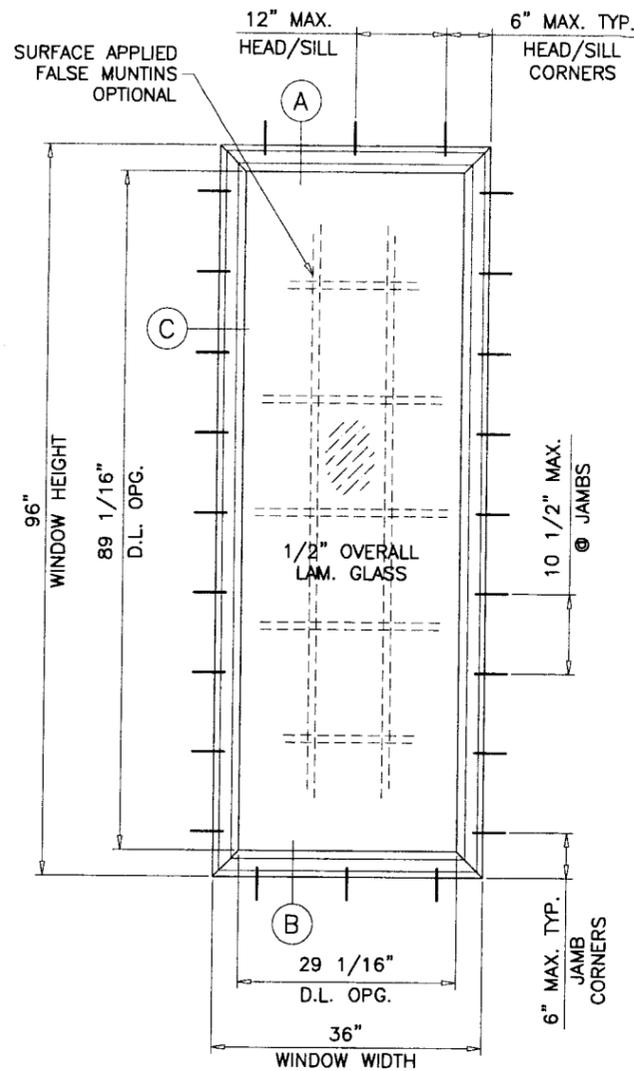
- A. DRAWINGS**(transferred from file # **01-0927.02**)
1. Manufacturer's die drawings and sections.
 2. Drawing No. **W01-33**, titled "Series PVC Frame Fixed Windows (LMI)", sheets 1 through 5 of 5, prepared by Al Farooq Corp., dated 11-27-01 and last revised on Feb. 05, 2007, signed and sealed by Dr. Humayoun Farooq, P.E.
- B. TESTS** (transferred from file # **01-0927.02**). Original test conducted per SFBC, PA 201, 202 & 203-94, now termed as FBC, TAS 201, 202 & 203-94.
1. Test report 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, FBC, TAS 201-94
5) Cyclic Loading Test, per FBC, TAS 203-94
- Along with installation diagram of PVC fixed window, prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-1155**, **HETI-00-872** and **HETI-00-896**, dated 08/02-15/02, signed and sealed by Hector M. Medina, P.E.
2. Additional test reports under **HETI-00-1175**, **HETI-00-944A**, **B & C**. issued by Hurricane Engineering & Testing Inc dated 08/16, 2002, signed sealed by Arshad Viqar, P. E.
- C. CALCULATIONS**
1. Anchor verification and comparative analysis dated November 08, 2006 and last revised on Feb. 05, 2007, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.
 2. Anchor Calculations and comparative analysis, prepared by Al-Farooq Corporation, dated 7/12/01, signed and sealed by Dr. Humayoun Farooq, P.E. (transferred from file # **01-0927.02**)
 3. Glazing Complies with ASTM E-1300-98 & -02.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **01-1012.05** for "AAMA certification for rigid PVC extrusion", issued to Montreal PVC Plastic Ltd, expiring 05/24/07.
 2. Notice of Acceptance No. **03-0916.02** for "Glasslam Safety Plus laminated glass", issued to Glasslam N.G.I., dba Nebula Glass Inc., expiring 09/09/08.
- F. STATEMENTS**
1. Statement letter of conformance and "No financial interest, dated 11/08/07, signed and sealed by Dr. Humayoun Farooq, P.E.
 2. Laboratory compliance as a part of above test reports
- G. OTHER**
1. This NOA **revises & renews** NOA # **01-0927.02**, expired on 01/03/07.
 2. Test proposal # 98-0131 approved by BCCO on Jan 11, 1999.
 3. Distribution agreement dated Jan 25, 2007 between Benor Inc. and New Code Windows & Doors.


Ishaq I. Chanda, P.E.

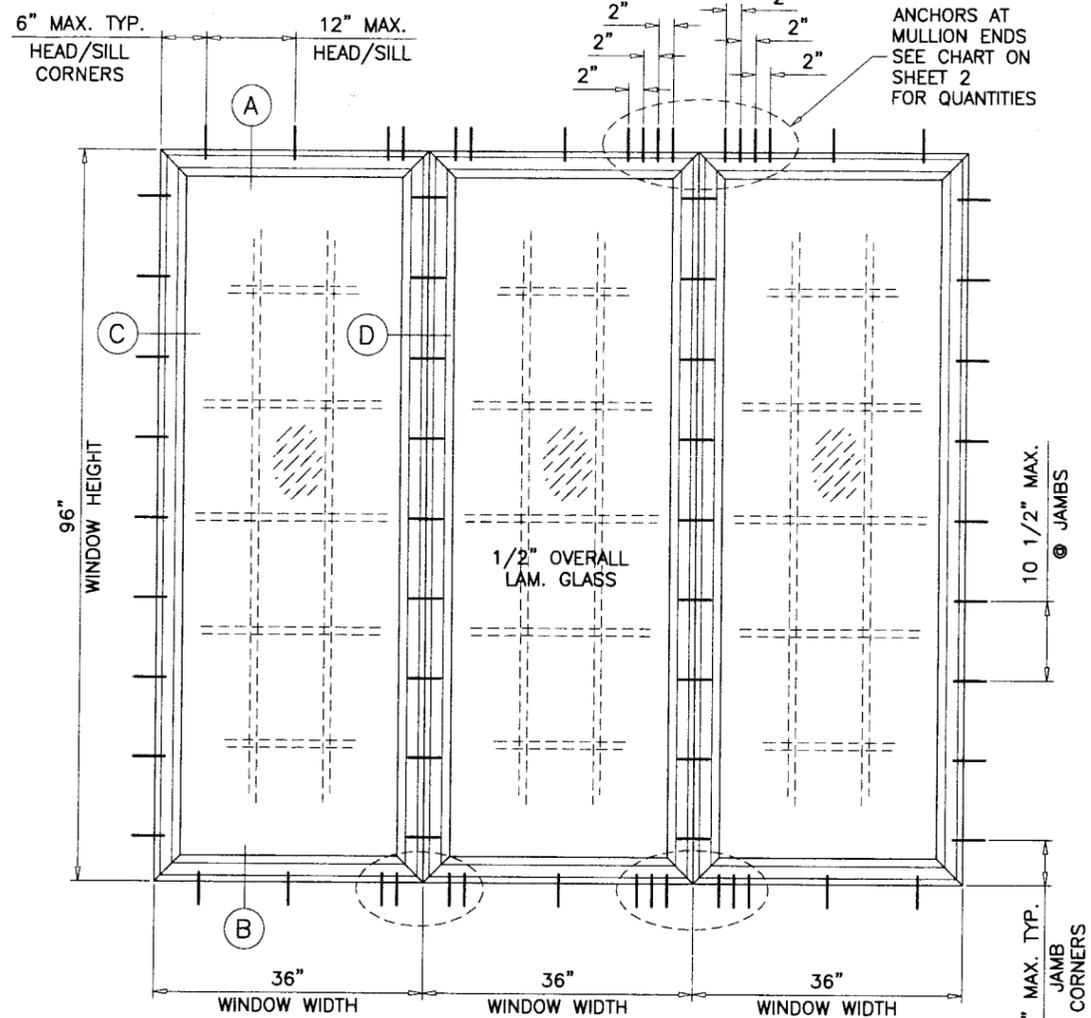
Product Control Examiner
NOA No 06-1127.01

Expiration Date: January 03, 2012

Approval Date: March 08, 2007



SINGLE UNIT



**TYPICAL ELEVATIONS
TESTED UNITS**

MULLED UNITS

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

PVC FRAME FIXED WINDOWS

APPROVAL APPLIES TO SINGLE UNITS OR MULLED COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHART SHOWN ON SHEET 2.

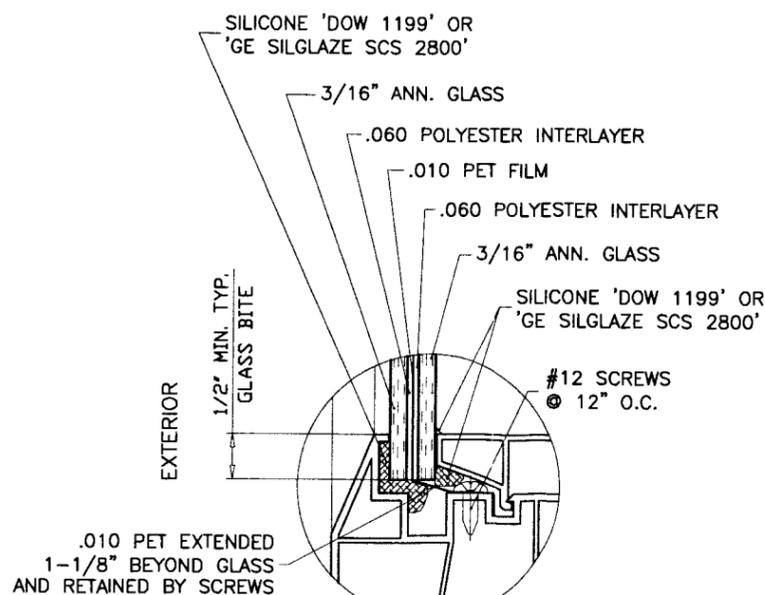
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY 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.



**1/2" THICK NOMINAL
IMPACT RESISTANT GLASS
'GLASSLAM SAFETY-PLUS LAMINATED GLASS'**

D.L.O. HEIGHT = WINDOW HEIGHT - 6.937
D.L.O. WIDTH = WINDOW WIDTH - 6.937

Engr: DR. FILMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16567
C.A.N. 3538

FEB 05 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\W01-35BWI

PVC FRAME FIXED WINDOWS (L.M.I.)
BENOR WINDOWS
 6941 LAKE DEVONWOOD DRIVE
 FORT MYERS, FL. 33908
 TEL. (941) 936-9900 FAX (941) 985-0342

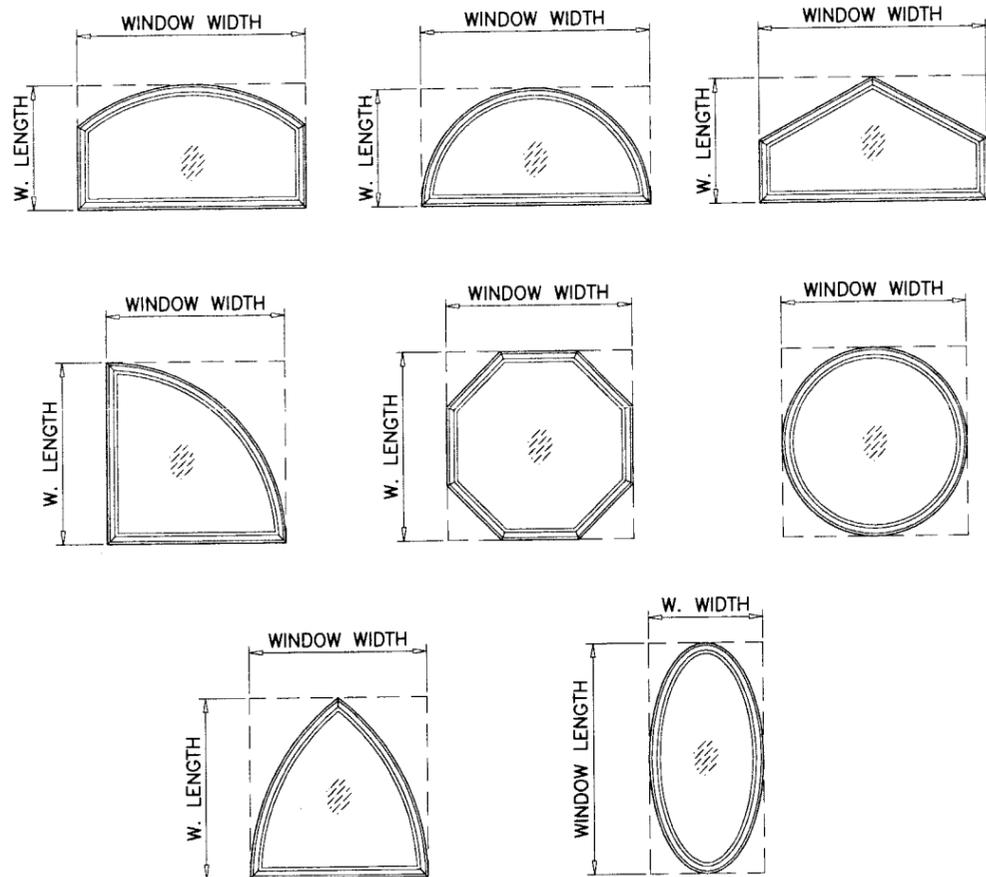
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A	11-27-01	REV. PER BCCO COMMENTS	
B	11-08-06	UPDATED FOR 2004 FBC	
C	01-31-07	REV. PER BCCO COMMENTS	

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 06-1127-01
 Expiration Date JAN 03, 2012
 By: Ishaq I. Chande
 Miami-Dade Product Control
 Division

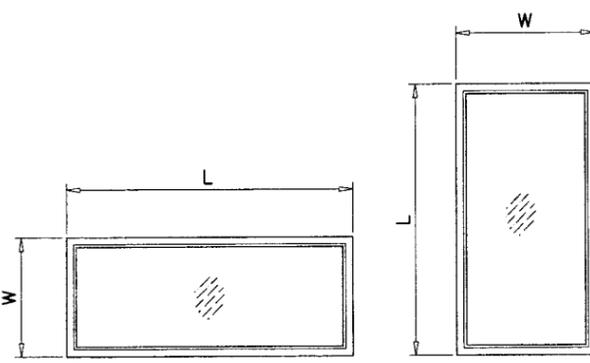
date: 06-08-01
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W01-33
 sheet 1 of 5

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		1/2" LAM. ANN. GLASS		NO. OF ANCHORS AT MULLION ENDS	
WIDTH	LENGTH	EXT. (+)	INT. (-)	ANCHORS TYPE 'A'	ANCHORS TYPE 'B'
24"	60"	66.7	70.0	4	2
30"		66.7	70.0	4	4
36"		66.7	70.0	4	4
42"		60.0	60.0	4	4
48"		52.5	52.5	4	4
54"		46.7	46.7	4	4
24"	66"	66.7	70.0	4	4
30"		66.7	70.0	4	4
36"		66.7	67.6	6	4
42"		58.0	58.0	6	4
48"	50.7	50.7	6	4	
24"	72"	66.7	70.0	4	4
30"		66.7	70.0	6	4
36"		66.7	70.0	6	4
42"		60.0	60.0	6	4
48"	52.5	52.5	6	4	
24"	78"	66.7	70.0	6	4
30"		66.7	70.0	6	4
36"		66.7	66.8	6	4
42"		57.2	57.2	6	4
24"	84"	66.7	70.0	6	4
30"		66.7	70.0	6	4
36"		66.7	70.0	8	6
24"	90"	66.7	70.0	6	4
30"		66.7	70.0	6	4
36"		66.1	66.1	8	6
24"	96"	66.7	70.0	6	4
30"		66.7	70.0	8	4
36"		66.7	69.8	8	6



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS).

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
FEB 05 2007

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-1127-01
Expiration Date JAN 03, 2012
By Ishaq I. Lhanda
Miami Dade Product Control
Division



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\W01-33BW1

PVC FRAME FIXED WINDOWS (L.M.I.)

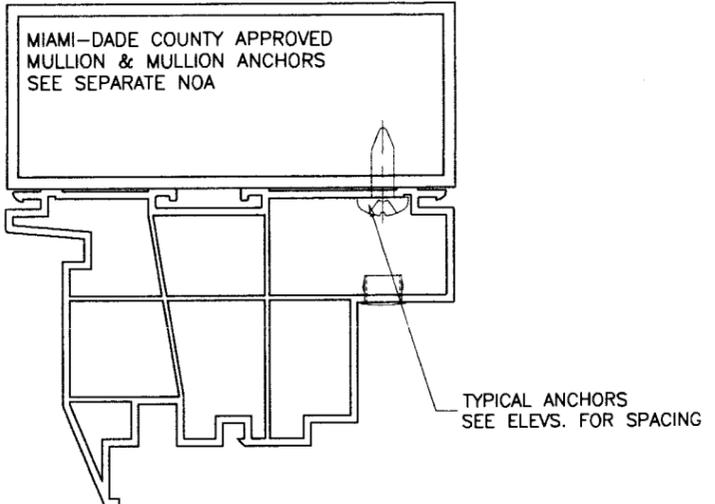
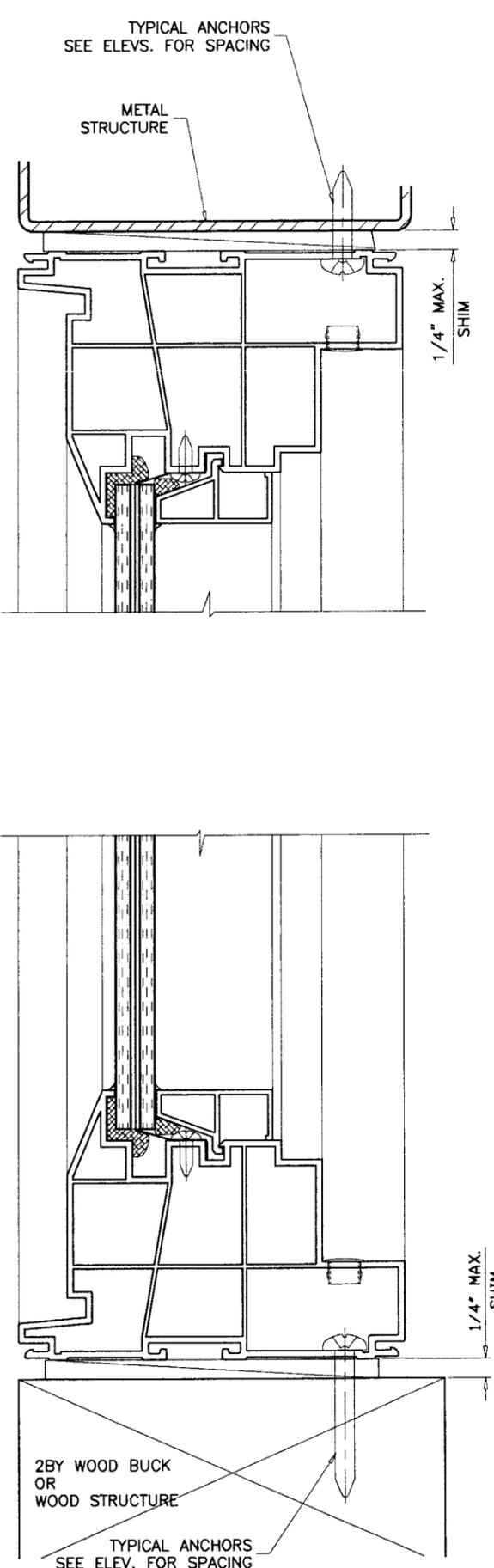
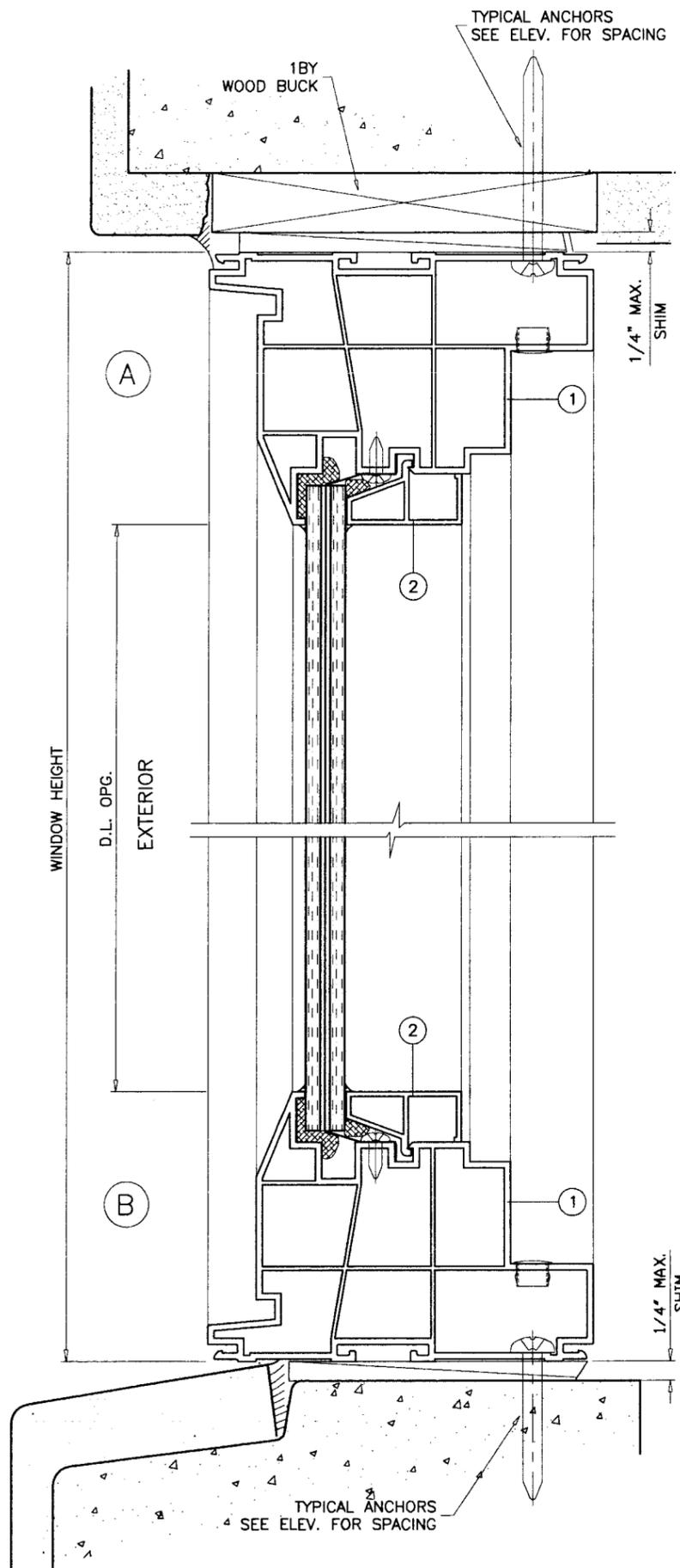
BENOR WINDOWS
6941 LAKE DEVONWOOD DRIVE
FORT MYERS, FL. 33908
TEL. (941) 936-9900 FAX (941) 985-0342



revisions:	no	date	by	description
	B	11.06.06		UPDATED FOR 2004 FBC
	C	01.31.07		REV. PER BCCO COMMENTS

date: 06-08-01	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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drawing no.
W01-33
sheet 2 of 5



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" TAPCONS BY ELCO
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - 1/4" TAPCONS BY ELCO
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 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)

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

SEALANTS:
 ALL JOINTS AND EXTERIOR SEAMS SEALED WITH 'DOW 1199'
 OR 'GE SILGLAZE SCS 2800'.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 06-1127-01
 Expiration Date JAN 03, 2012
 By Ishag I. Lhanda
 Miami-Buck Product Control
 Division

Engr: DR. FUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 FEB 05 2007

AL-FAROOQ CORPORATION
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 COMP-ANL\W01-33BW

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 WINDKING SUPREME

no	date	description
B	11.06.06	UPDATED FOR 2004 FBC
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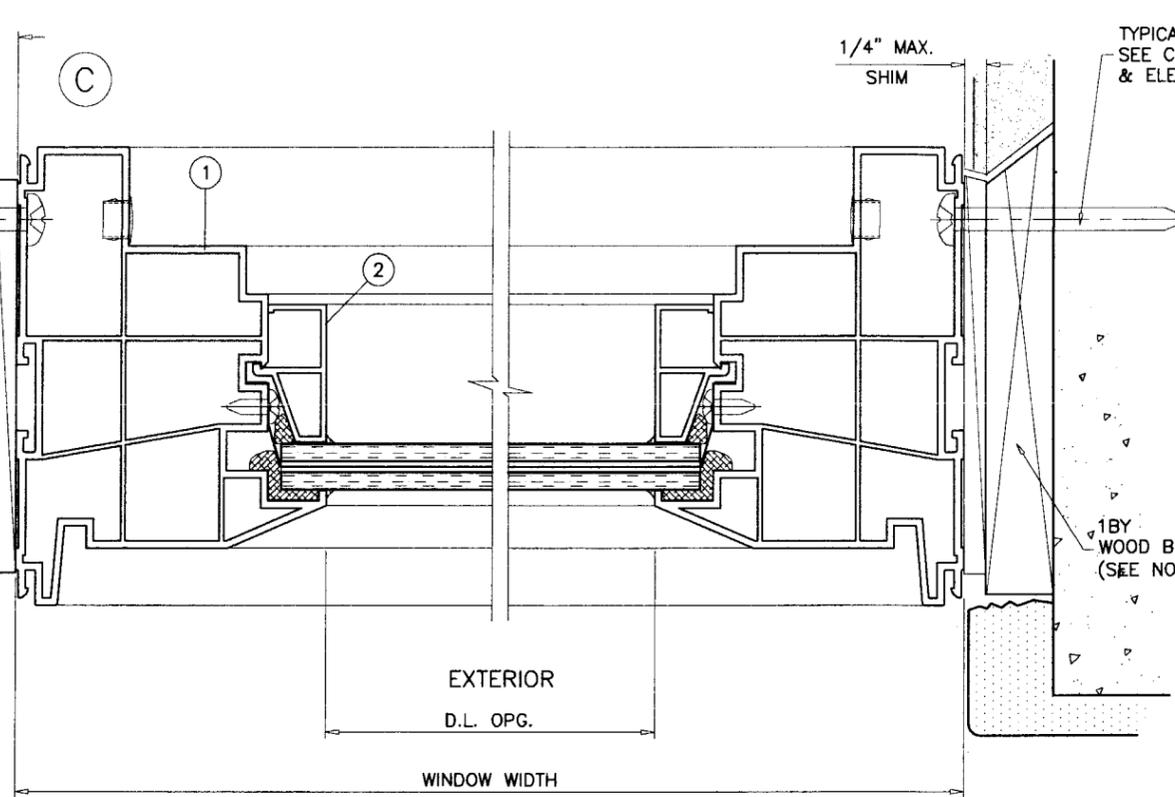
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W01-33
 sheet 3 of 5

TYPICAL ANCHORS
SEE CHARTS
& ELEV. FOR SPACING

1/4" SHIM
MAX.

2BY WOOD BUCK
OR
WOOD STRUCTURE
(SEE NOTE SHEET 1)



1/4" MAX.
SHIM

TYPICAL ANCHORS
SEE CHARTS
& ELEV. FOR SPACING

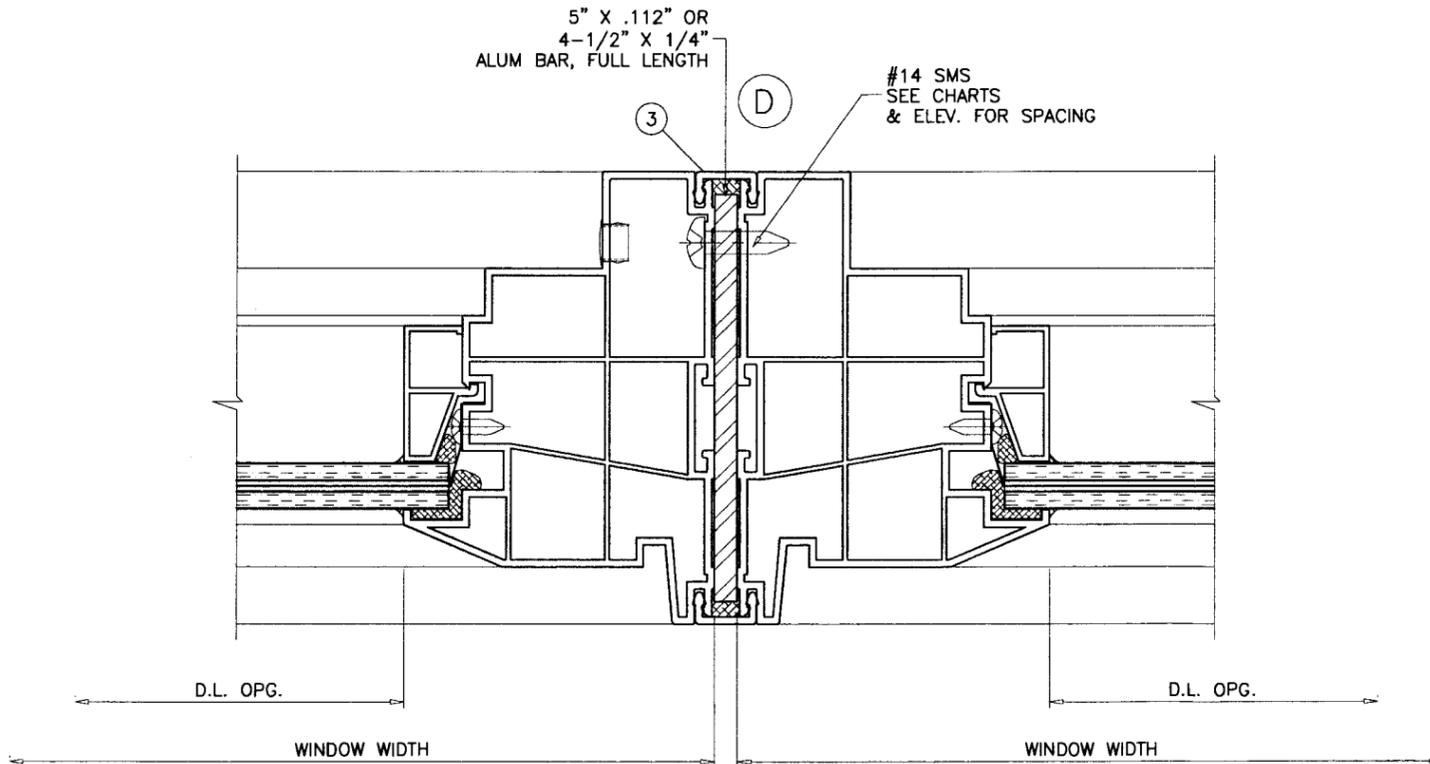
1BY
WOOD BUCK
(SEE NOTE SHEET 1)

EXTERIOR
D.L. OPG.

WINDOW WIDTH

5" X .112" OR
4-1/2" X 1/4"
ALUM BAR, FULL LENGTH

#14 SMS
SEE CHARTS
& ELEV. FOR SPACING



D.L. OPG.

WINDOW WIDTH

D.L. OPG.

WINDOW WIDTH

PRODUCT RENEWED
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By (Shag) L. L. L...
Product Control
Division

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

FEB 05 2007

afc

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COMP-ANL\W01-33BWI

PVC FRAME FIXED WINDOWS (L.M.I.)

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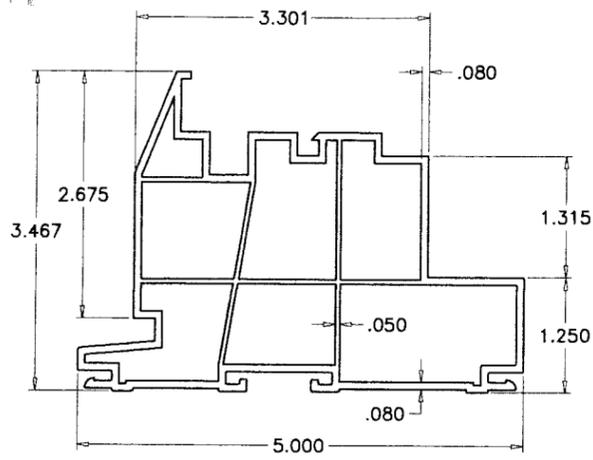


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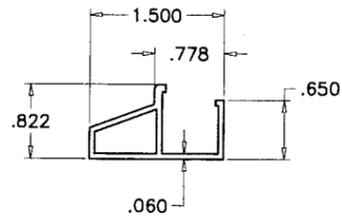
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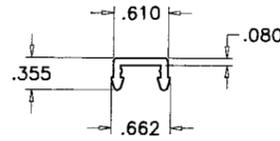
sheet 4 of 5



① WINDOW FRAME

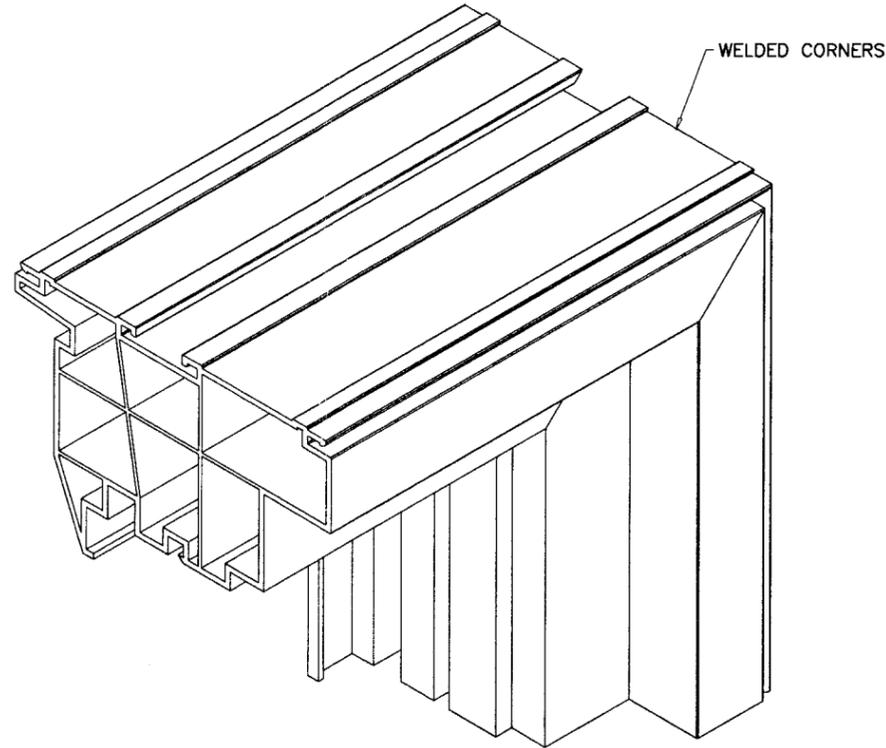


② GLAZING STOP



③ COUPLER

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	VM-368	4	WINDOW FRAME	PVC	MONTREAL PVC PLASTICS LTD.
2	VM-803	4	GLAZING STOP	PVC	MONTREAL PVC PLASTICS LTD.
3	D608	-	COUPLER	PVC	MONTREAL PVC PLASTICS LTD.



5" FRAME CORNER

PRODUCT RENEWED
 as complying with the Florida
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 By Iskag I. Chaudhry
 National State Product Control
 Division

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
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 sheet 5 of 5