



**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)

**Mulia Inc.
14820 Carmenita Rd. Unit A
Norwalk, CA 90650**

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: Glass Block.

APPROVAL DOCUMENT: Drawing No. 04-03, titled "Glass Block Panel Details", sheets 1 and 2, prepared by Al-Farooq Corporation, dated 01/23/04 with last revision on 07/20/05, 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 glass block shall be permanently labeled with the manufacturer's name (MULIA) and (M) standing for Miami-Dade County.

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 **NOA # 04-0520.02** and, consists of this page, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



**NOA No: 07-0417.02
Expiration Date: October 23, 2010
Approval Date: May 25, 2007
Page 1**

Mulia Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A DRAWINGS

1. Drawing prepared by Al-Farooq Corporation titled "Glass Block Panel Details", Drawing No. 04-03, dated 01/23/04, with latest revision on 07/20/05, Sheets 1 and 2 of 2, signed and sealed by H. Farooq, PE

B TEST

1. Test Report on Uniform Static Air Pressure Test per TAS 202 of "Hollow Glass Block Wall/Window", prepared by Hurricane Engineering & Testing Inc. Report #HETI 05-1452, dated 05/16/05 signed and sealed by Ivonne Ghia, PE
2. Test Report on Uniform Static Air Pressure Test per TAS 202 of Hollow Glass Block Wall/Window, prepared by Hurricane Engineering & Testing Inc. Report # HETI 03-1790, dated 02/28/03 signed and sealed by R. Droz-Seda PE.

C CALCULATIONS

1. Anchor calculations prepared by Al-Farooq Corporation Sheets C2.1 & C3 revised on 06/16/05, signed and sealed by H. Farooq on 06/23/05

D QUALITY ASSURANCE

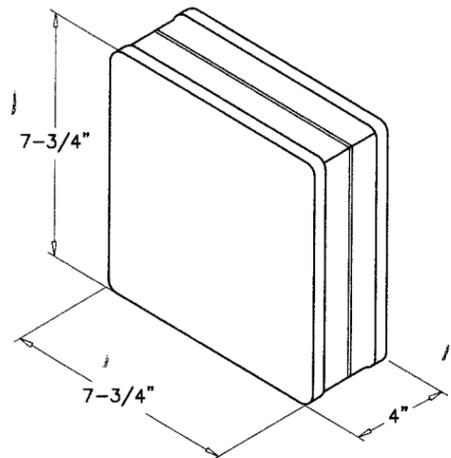
1. Building Code Compliance Office.

E STATEMENT

1. Code compliance letter issued by Al-Farooq Corporation on 08/17/05 signed and sealed by H. Farooq PE.
2. Manufacturer/Distributor Agreement between Mulia Inc in 14820 Carmenita Rd Norwalk CA 90650 and Mulia Inc in 14820 Carmenita Rd. Norwalk CA 90650 and notarized by John Torres on 08/02/05.
3. No Financial Interest letter issued by Al-Farooq Corporation on 08/17/05 signed by H. Farooq and notarized by V. Bencid on 08/18/05.

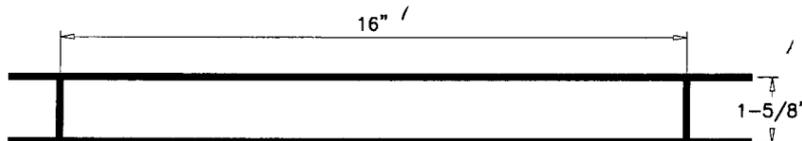


Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 07-0417.02
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GLASS BLOCK

PARTIALLY EVACUATED HOLLOW UNITS FORMED AND PERMANENTLY SEALED BY HEAT FUSING TWO HALVES OF PRESSED GLASS TOGETHER. MANF. BY 'MULIAGLASS'. WALL THICKNESS VARIES DEPENDING ON GLASS PATTERN. MIN. THK. = .394 IN.



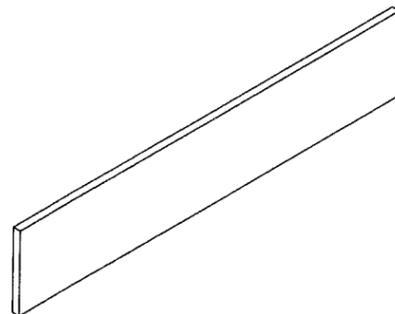
HORIZONTAL LADDER REINFORCING

1-5/8" W X 10' L
9 GAUGE GALVANIZED STEEL SIDE RODS & CROSS RODS, CROSS RODS @ 16" O.C.



WALL TIES/ANCHOR STRAP

20 GA. GALVANIZED STEEL
12" LONG, 1-3/4" WIDE



EXPANSION STRIP

POLYETHYLENE PLASTIC
1/4" THICK, 24" LONG, 3-1/2" WIDE

MAXIMUM DESIGN LOAD RATING = + 90.0 PSF
(FOR SIZE SHOWN ON SHEET 2 OR SMALLER) - 90.0 PSF

GLASS BLOCK PANELS

GLASS BLOCK PANELS 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.

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

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.

A 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

THE STRUCTURE AROUND GLASS MASONRY PANEL SHALL BE DESIGNED TO SUSTAIN LOADS IMPOSED BY THE GLASS BLOCKS.

GLASS BLOCK STRUCTURES ARE NON-LOAD BEARING. ADEQUATE PROVISION MUST BE MADE FOR SUPPORT OF CONSTRUCTION ABOVE GLASS BLOCK PANELS.

PROVISION FOR EXPANSION AND MOVEMENT MUST BE MADE AT JAMBS AND HEADS OF ALL PANELS. MORTAR MUST NOT BRIDGE EXPANSION SPACES. EXPANSION STRIPS SHALL BE POLYETHYLENE. AS SHOWN HEREWITH

PANEL REINFORCING SHALL BE OF GALVANIZED STEEL DOUBLE-WIRE FORMED OF TWO PARALLEL 9-GAUGE WIRES 1-5/8" O.C. WITH ELECTRICALLY WELDED CROSS WIRES AT REGULAR INTERVALS.

PANEL ANCHOR/WALL TIES SHALL BE 20-GAUGE PERFORATED STEEL STRIPS 12" LONG BY 1-3/4" WIDE GALVANIZED AFTER PERFORATING.

GLASS BLOCK SHALL BE LAID IN ONLY TYPE 'M' OR 'S' MORTAR OR EQUIVALENT APPROVED MATERIAL. BOTH VERTICAL AND HORIZONTAL MORTAR JOINTS SHALL BE AT LEAST ONE-QUARTER AND NOT MORE THAN THREE-EIGHTHS INCH THICK AND SHALL BE COMPLETELY FILLED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0417.02
Expiration Date 10/23/2010
By *[Signature]*
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
18 2005

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

MULIA INC.
14820 CARMENITA RD. UNIT A
NORWALK, CA. 90650
TEL. (888) 888-9099 FAX (562) 345-2702

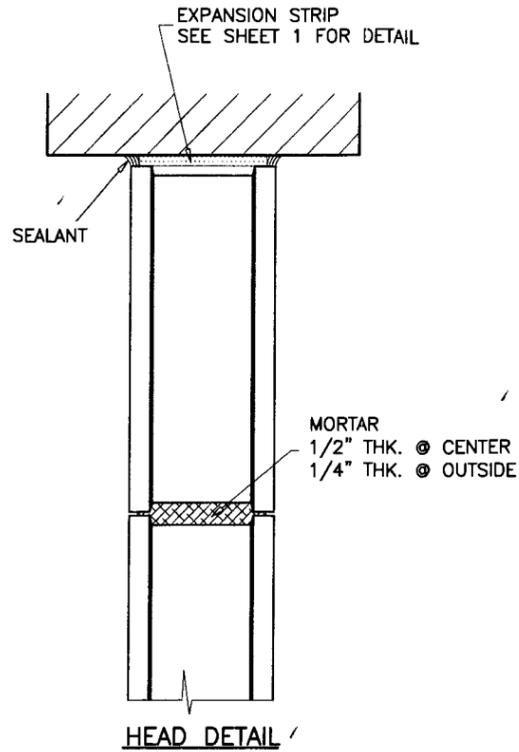
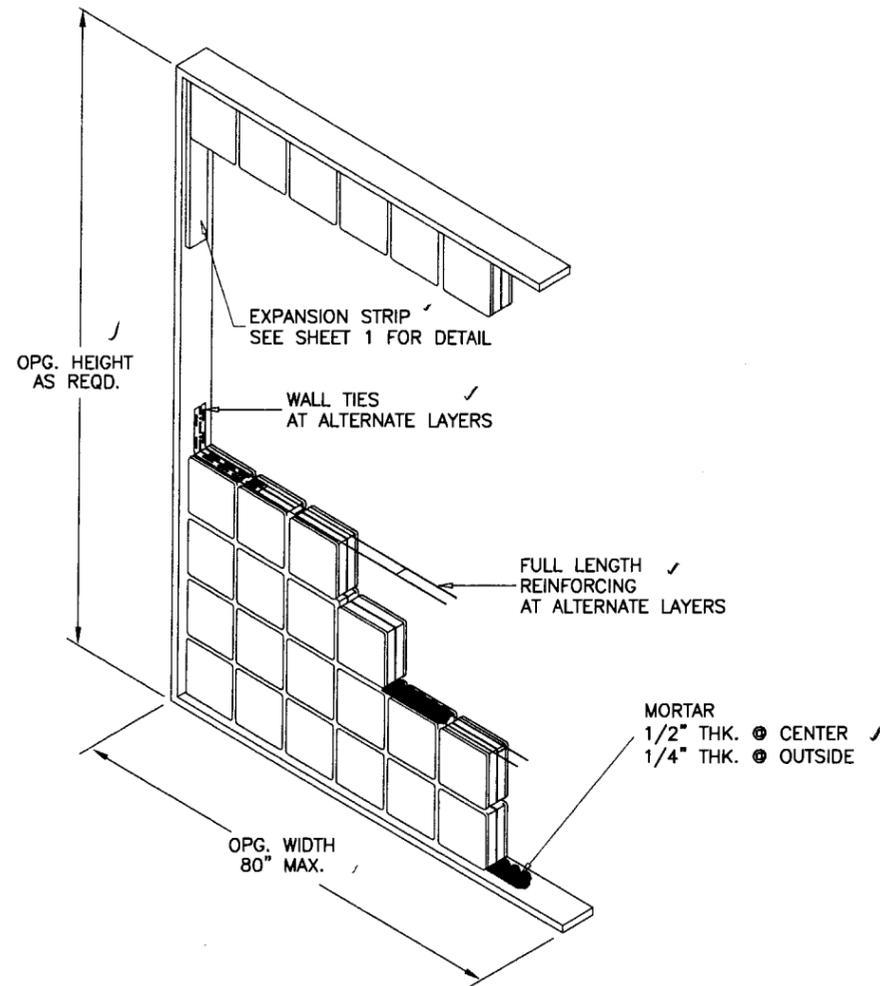
no.	date	by	description	REV. PER BCCO COMMENTS
A	08.27.04			
B	07.20.05			

date: 01-23-04
scale: NONE
dr. by: HAMID
chk. by:

drawing no.
04-03
sheet 1 of 2

afc

BLOCKS\04-03MI



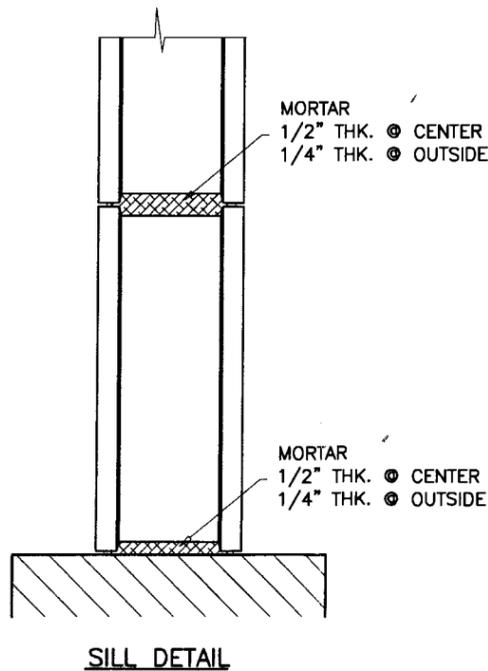
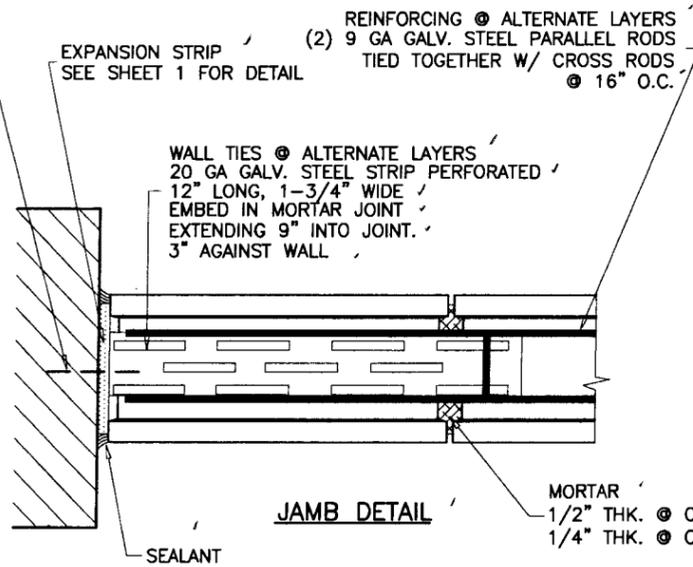
- TYPICAL ANCHORS:**
- ANCHOR (A) = 1/4" DIA. TAPCONS (ELCO TEXTRON)
 1-3/4" EMBEDMENT INTO 3000 PSI CONC.,
 1-1/4" EMBEDMENT INTO C-90 BLOCK
- ANCHOR (B) = #1512SD DRIVE PINS WITH 7/8" WASHER (RAMSET)
 1-1/2" EMBEDMENT INTO 3000 PSI CONC.
X-DNI DRIVE PINS WITH 7/8" WASHER (HILTI)
 1-1/2" EMBEDMENT INTO 3000 PSI CONC.,
 1-1/4" EMBEDMENT INTO C-90 BLOCK
- ANCHOR (C) = #14 SMS
 1-1/2" MIN PENETRATION INTO WOOD(S.G.=0.55)

ANCHOR TYPE	CONNECTION CAPACITY - PSF					
	ONE ANCHOR PER STRAP		TWO ANCHORS PER STRAP			
	CONC	BLK.	WOOD	CONC	BLK.	WOOD
A	90.0	90.0	-	90.0	90.0	-
B	63.0	-	-	90.0	26.0	-
C	-	-	40.0	-	-	80.0

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

TYPICAL C/C SPACING
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

- NOTE:
 1. ANCHORS EMBEDMENT SHOWN IS BEYOND WALL & FLOOR COVERINGS (STUCCO, TILES, ETC.)
 2. ALL ANCHORS ARE REQUIRED TO HAVE 7/8" MIN. STEEL WASHER.



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Engr: DR. HUMAYOUN FAROOQ
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no	date	description	REV. PER BCCO COMMENTS
A	08.27.04		
B	07.20.05		

date: 01-23-04
 scale: NONE
 dr. by: HAMID
 chk. by:

drawing no.
04-03
 sheet 2 of 2

BLOCKS\04-03MI