



MIAMI-DADE COUNTY
 DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
 AFFAIRS (PERA)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION**
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Mulia, Inc.
 3414 South Garfield Avenue
 Commerce, CA 90040

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 PERA - 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. PERA 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: 4" Thick Face Glass Block Panel – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1344, titled "4" Thick Face Block Large Missile Impact Panel", sheets 1 and 2 of 2, dated 05/17/2006, prepared by W.W. Schaefer Engineering Consultant P.A, signed and sealed by Warren W. Schaefer, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 renews NOA # 07-1022.01 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



Handwritten signature and date: 11/30/2011

NOA No. 11-1020.02
Expiration Date: February 8, 2017
Approval Date: December 8, 2011
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No.1344, titled "4" Thick Face Block Large Missile Impact Panel", sheets 1 and 2 of 2, dated 05/17/2006, prepared by W.W. Schaefer Engineering Consultant P.A, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS "*Submitted under NOA # 06-1005.09*"

1. Test Report on Uniform Static Air Pressure Test per TAS 202 and Large Missile Impact & Cyclical Wind Pressure Tests per TAS 201 and TAS 203 respectively, prepared by Hurricane Engineering and Testing Inc., Test Report No. HETI-04-1389, dated 06/14/2004, signed and sealed by Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 10/18/2011, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE


1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS "*Submitted under NOA # 06-1005.09*"

1. Notice of acceptance No. **06-0705.03** Issued to Royal Sierra Extrusions Inc. for "White Rigid PVC Exterior Extrusions for Windows and Doors" expiring on 09/07/2011.

F. STATEMENTS

1. Statement letter of code conformance to 2007 and 2010 FBC issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/18/2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/18/2011, signed and sealed by Warren W. Schaefer, P.E.
3. Distributor agreement dated 09/28/2011.



11/30/2011

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 11-1020.02

Expiration Date: February 8, 2017
Approval Date: December 8, 2011

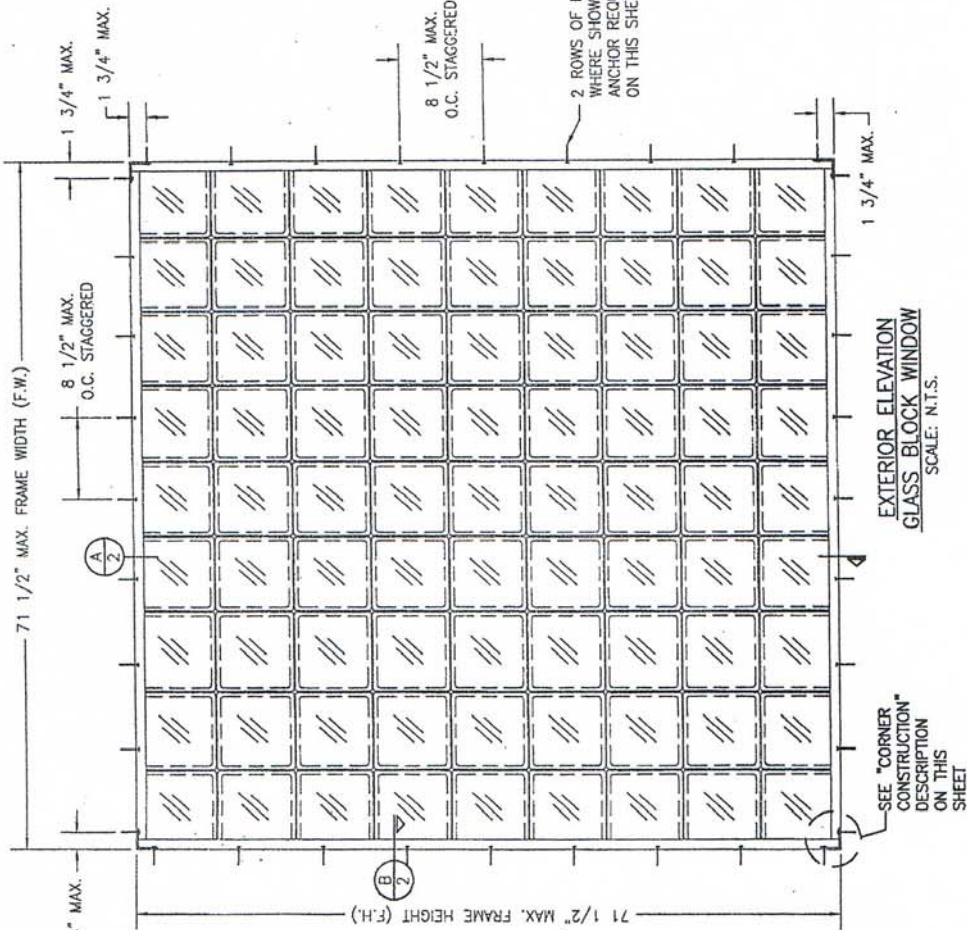
GENERAL NOTES

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE LISTED IN THE "ALLOWABLE DESIGN LOADS" TABLE(S).
2. BUCKING, OPENINGS AND FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO RESIST WIND LOADS TO THE STRUCTURE.
3. ALL WINDOW & FASTENER SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH WIND HURRICANE ZONES (HWZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE ANCHOR.
8. FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BLOCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

ALLOWABLE DESIGN PRESSURE
+60/-65 PSF

CORNER CONSTRUCTION

FRAME CORNERS: BUTTED & MECHANICALLY JOINED. FRAME CORNERS ARE REINFORCED WITH A 2" X 2" X 1/8" THICK X 3.85" LONG ALUMINUM ANGLE MOUNTED TO ONE FRAME MEMBER WITH (2) #6 X 1/2" SMS SCREWS. ONE LEG OF THE ANGLE IS ATTACHED TO THE SUBSTRATE WITH 2 FRAME ANCHORS.



FRAME ANCHOR REQUIREMENTS TABLE

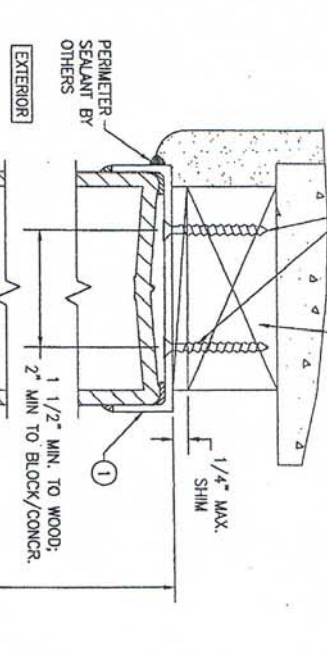
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
2X WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 1/4"	3/4"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	2"

(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

PRODUCED BY: **VLS&B**
 AS ENGINEER
 Building Division
 Registration No. 02-1022-01
 Date: 02/08/12
 By: *[Signature]*
 Minimum Scale & Detail Cont'd
 Division

DRAWN BY: R.F.S. DATE: 10/17/08	CHECKED BY: W.M.L. DATE:
NO. _____ REVISION DESCRIPTION BY _____ DATE _____	DRAWING TITLE: 4" THICK FACE BLOCK LARGE MISSILE IMPACT PANEL
MANUFACTURER: MULLA INC. 14820 CARMENITA ROAD, SUITE A NORWALK, CA 90650 888-367-6854	CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8805 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-773-6903
DRAWING NO.: 1344 SHEET NO.: 1 OF 2	CERTIFICATION: ECC 13-2008

FRAME ANCHORS PER ELEVATION (2 ROWS)



MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK/FRAMING AND BUCK/FRAPE ATTACHMENT BY OTHERS

PERIMETER SEALANT BY OTHERS

EXTERIOR

CONTINUOUS 1/2" BEAD OF DOW 1199 SILICONE (ALL SIDES AT INTERIOR & EXTERIOR)

CONTINUOUS 3/8" BEAD OF DOW 1199 SILICONE (ALL SIDES AT INTERIOR & EXTERIOR)

1/4" MAX. SHIM

1 1/2" MIN. TO WOOD; 2" MIN TO BLOCK/CONCR.

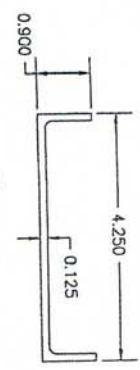
FRAME HEIGHT (F.H.)

SECTION A

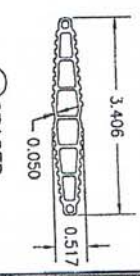
SCALE: 1/2 FULL

MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK/FRAMING AND BUCK/FRAPE ATTACHMENT BY OTHERS

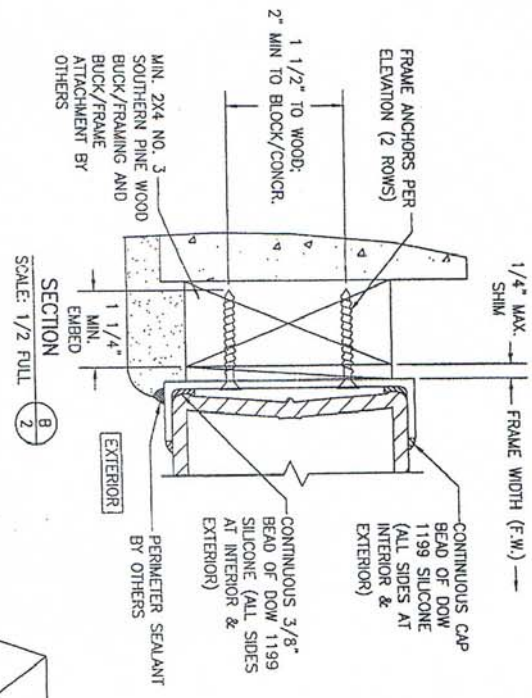
ITEM #	ITEM DESCRIPTION	PARTS	MANUFACTURER/NOTES
1	FRAME CHANNEL (4.25" X 0.9" X 0.125")	6063-15 ALUMINIUM	
2	REIN. ANGLE (2" X 2" X 3.85" LONG)	1/8" THICK 6063-15 ALUMINIUM	
3	SPACER BY ROYAL SIERRA EXTRUSIONS	RIGID PVC (CONTINUOUS HORIZONTAL; SECTIONED VERTICAL)	
4	GLASS BLOCK (7 3/4" X 7 3/4" X 4")	0.79" AVERAGE WALL THICKNESS	



1 FRAME

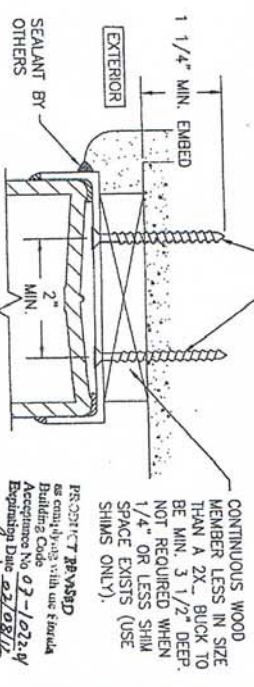


3 SPACER



SECTION B

SCALE: 1/2 FULL



DIRECT MOUNT DETAIL IN BLOCK

HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR. SEE SECTIONS FOR DETAIL NOT SHOWN

By *W. W. Schaefer*

Division

<p>CERTIFICATION</p> <p>DEC 13 2000</p> <p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>		<p>DRAWING TITLE</p> <p>4" THICK FACE BLOCK LARGE MISSILE IMPACT PANEL</p>		<p>NO. REVISION DESCRIPTION BY DATE</p>	
<p>CONSULTANTS</p> <p>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.</p> <p>8885 N. MILITARY TRAIL; SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903</p>		<p>MANUFACTURER</p> <p>MULIA INC.</p> <p>14820 CARMENITA ROAD; SUITE A NORWALK, CA 90650 888-367-6854</p>		<p>REVISIONS</p>	