



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
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/economy

BuildBlock Building Systems, LLC
9705 N Broadway Ext., Suite 150
Oklahoma City, OK 73114

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 RER-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. RER 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: BuildBlock Insulating Concrete Forms

APPROVAL DOCUMENT: Drawing titled "BuildBlock Insulating Concrete Form System", sheet 1 of 1, dated 03/15/2024, with revision 7 dated 09/30/2024, prepared by BuildBlock Building Systems, LLC, signed and sealed by Robert F. Oleck, 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 bundle shall bear a permanent label with the manufacturer's name or logo, Saint Petersburg, FL, model/series and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted.

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 and revises NOA # 19-1205.06** and consists of this page 1, evidence pages E-1, E-2 and E-3 as well as approval document mentioned above.

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

10/08/24



NOA No 24-0401.05
Expiration Date: October 17, 2029
Approval Date: October 17, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS “Submitted under NOA # 14-1216.08”

1. Drawing No. titled “BuildBlock Insulating Concrete Form System”, sheet 1 of 1, dated 06/25/2009, with revision 3 dated 10/08/2014, prepared by BuildBlock Building Systems, LLC, signed and sealed by Robert F. Oleck, P.E.

B. TESTS “Submitted under NOA # 08-0519.03”

	<u>Test Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	3163402TOR-006	ASTM D1621	12/05/08	Robert F. Oleck, P.E.
2.	3163402TOR-006	ASTM D1622	12/05/08	Robert F. Oleck, P.E.
3.	3163402TOR-006	ASTM C203	12/05/08	Robert F. Oleck, P.E.
4.	RAD-2725	ASTM D1929	02/2001	Robert F. Oleck, P.E.
5.	BRYX.R7503	ASTM E84	11/10/09	Robert F. Oleck, P.E.
6.	BRYX.R5817	ASTM E84	11/12/09	Robert F. Oleck, P.E.
7.	092897	ASTM D1929	11/28/88	Robert F. Oleck, P.E.
8.	3075407	ASTM D1929	05/30/05	Robert F. Oleck, P.E.
9.	3075407	ASTM D635	05/30/05	Robert F. Oleck, P.E.
10.	05-06130	ASTM C518	06/09/05	Robert F. Oleck, P.E.
11.	110170	ASTM C1338	07/07/04	Dale E. Holloway

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS “Submitted under NOA # 14-1216.08”

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC prepared by McLaren Engineering Group, dated 01/28/2014, signed and sealed by Robert F. Oleck, P.E.

“Submitted under NOA # 08-0519.03”

2. No financial interest letter prepared by McLaren Engineering Group, dated 05/14/2008, signed and sealed by Robert F. Oleck, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 24-0401.05
Expiration Date: October 17, 2029
Approval Date: October 17, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA #18-0717.04

A. DRAWINGS

1. Drawing No. "BuildBlock Insulating Concrete Form System", sheet 1 of 1, dated 01/11/2018, prepared by BuildBlock Building Systems, LLC, signed and sealed by Robert F. Oleck, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

1. Drawing statement of code conformance to 6th edition (2017) FBC issued by McLaren Engineering Group, dated 01/11/2018, signed and sealed by Robert F. Oleck, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 24-0401.05
Expiration Date: October 17, 2029
Approval Date: October 17, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New evidence submitted

A. DRAWINGS

1. Drawing titled “BuildBlock Insulating Concrete Form System”, sheet 1 of 1, dated 03/15/2024, with revision 7 dated 09/30/2024, prepared by BuildBlock Building Systems, LLC, signed and sealed by Robert F. Oleck, P.E.

B. TESTS

	<u>Test Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	105830715MID-003 R1	ASTM C165-23	08/28/24	Tanya A. Dolby, P.E.
2.	105830715MID-002 R1	ASTM C203-22	08/28/24	Tanya A. Dolby, P.E.
3.	105830715MID-004 R1	ASTM D1622-20	08/28/24	Tanya A. Dolby, P.E.
4.	M6019.01-106-31 R1	ASTM E2634-18	09/13/22	Dawn M. Chaney
5.	M6019.01-106-31 R1	ASTM D635-18	09/13/22	Dawn M. Chaney
6.	M6019.01-106-31 R1	ASTM D1929-20	09/13/22	Dawn M. Chaney
7.	M6019.01-106-31 R1	ASTM D638-14	09/13/22	Dawn M. Chaney
8.	M6019.01-106-31 R1	ASTM D732-17	09/13/22	Dawn M. Chaney
9.	M6019.01-106-31 R1	ASTM D1761-20	09/13/22	Dawn M. Chaney

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

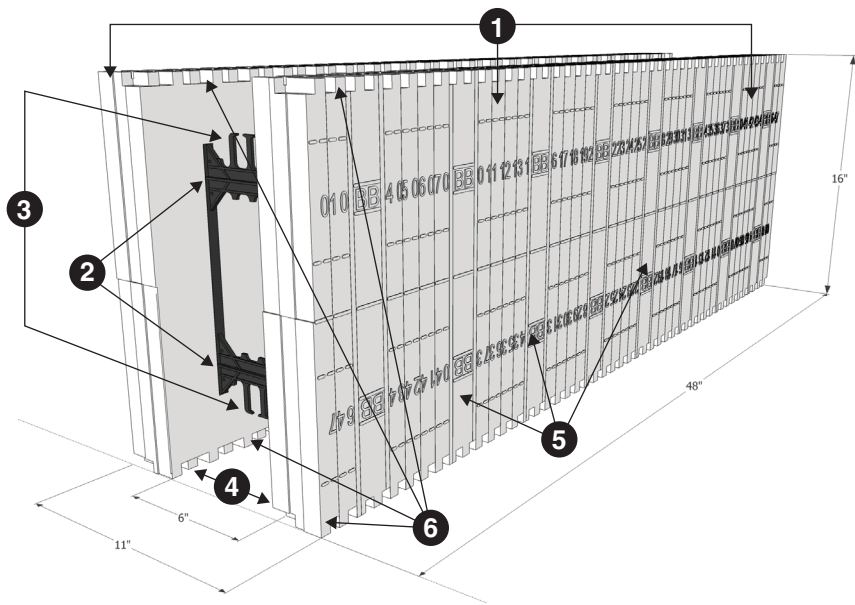
1. None.

F. STATEMENTS

1. Drawing statement of code conformance with the 8th edition (2023) of the FBC, issued by BuildBlock Building Systems, LLC., dated 03/15/2024, signed and sealed by Robert F. Oleck, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 24-0401.05
Expiration Date: October 17, 2029
Approval Date: October 17, 2024



1. Expanded Polystyrene Foam Panels
2. Patented Polypropylene Webs/Cross Ties
3. Reinforcing Steel Lock-down Fingers
4. Concrete Core
5. Firing Strip Identification Marks
6. Reversible Top and Bottom Interlocks
7. Expanded Polystyrene Foam Buck Panel
8. Patented Polystyrene Webs with Integrated Concrete Anchors
9. Buck Core Alignment Guide
10. Buck Firing Strip Identification Marks

MANUFACTURING LOCATION
 Lifoam 2601 Anvil St. North
 St. Petersburg, FL 33710

MANUFACTURED WITH:
 BASF Styropor type BF, BFL, F, KF, MF
 Epsilyte LP grades 54, 40

NOTES:

This approval pertains to the insulation properties of BuildBlock Insulating Concrete Forms Only. This approval does not imply approval of the concrete used within the form system or the structural and/or forming capacity of the material and the system, including BuildBuck.

IMPORTANT: PROTECT PRODUCT FROM UV EXPOSURE BY ENSURING ANY EXTERIOR EXPOSED SURFACE IS EITHER FINAL FINISHED OR CLADDED WITH TEMPORARY UV PROTECTION WITHIN 30 DAYS OF INSTALLATION.

FOOTNOTES:

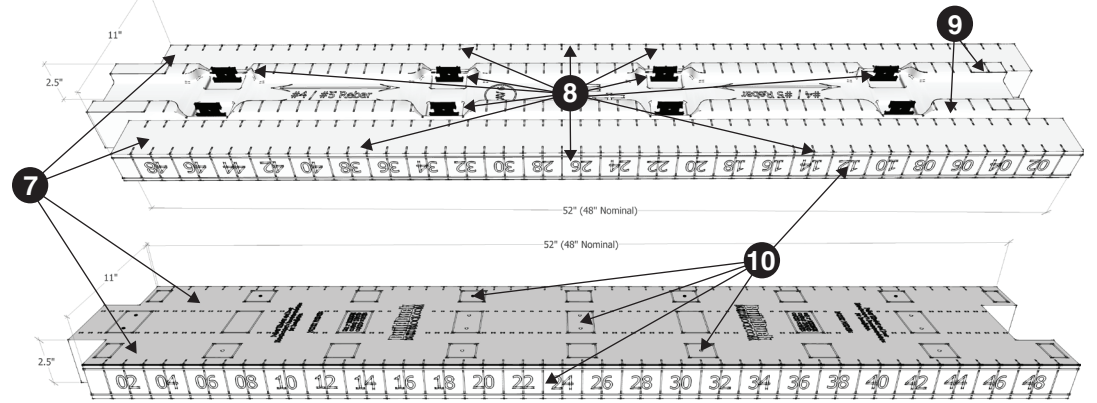
1. Results for ICF panels produced with Epsilyte Grade 54 and 40 beads (see ESR-1634)
2. Standards included in the ASTM E2634 specification are indicated with a "2." Referenced test methods are latest version in effect upon the date of the specification.
3. Standards included in the ASTM C578 specification are indicated with a "3." Reference test methods are latest version in effect upon the date of the specification.

BUILDBLOCK INSULATING CONCRETE FORM SYSTEM DESCRIPTION

BuildBlock Building Systems, Insulating Concrete Forms (ICF) are stay in place forms resulting in a monolithic reinforced flat concrete wall 4", 6", 8", 10", or 12" thick, built to the industry standard size of 16" high by 48" long. The forms are manufactured using expanded polystyrene (EPS) Type II, with a density of 1.5 pcf. The two 2.5" foam panels are connected using engineered webs made from high density Polypropylene plastic web cross ties. BuildBlock Insulating Concrete Forms are made from EPS beads compliant to ASTM E-84, with a flame spread index of 25 or less and a smoke developed index of less than 450.

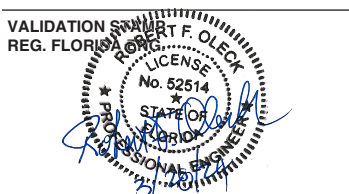
BuildBuck is a wall opening block-out or buck system designed to integrate into wall systems constructed of BuildBlock ICF blocks or any approved ICF system of the same dimensions.

BuildBlock Forms comply with Florida Building Code 2023 8th Edition.



Material Property	Standard	Result	Status
Product Specification	ASTM E2634-11 (2018) Per FBC 1903.4	See Note 2 Below	Pass
EPS Insulation	ASTM C578-18	See Note 3 Below	Pass
Compressive Resistance	ASTM C165	> 15 psi	Pass
Thermal Resistance	ASTM C518 ³	4.0 °F-ft ² -h/Btu-in	Pass
Flexural Strength	ASTM C203 ³	> 35 psi	Pass
Water Vapor Permeance	ASTM E96-16 ³	< 3.5 perms	Pass
Density	ASTM D1622 ³	> 1.35 pcf	Pass
Flame Spread Characteristics	ASTM E84-18b ^{2,3}	FS < 25 SDI < 450	Pass
Cross Ties - Rate Of Burning	ASTM D635 ²	CC-1	Pass
Cross Ties- Self-Ignition Temperature	ASTM D1929 ²	> 662F	Pass
Cross Ties - Tensile Strength	ASTM D638 ²	>675 lbs/ft ²	Pass
Cross Ties - Shear Strength	ASTM D732 ²	Meets requirements	Pass
Fastener Capacity - Lateral/ Withdrawal Resistance	ASTM D1761	As stated in CCRR - 1003	Pass
Room Corner Fire Test	NFPA 286 ²	Meets requirements	Pass

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0401.05
Expiration Date 10/17/2029
 By *[Signature]*
Miami-Dade Product Control



REG. FLORIDA ENG.
 Robert Oleck, PhD, PE.
 RF Oleck Inc.
 114 Seneca Ave
 Baldwinsville, NY 13027
 315-638-7347
 rfoleckinc@gmail.com

MANUFACTURER
 BuildBlock Building Systems LLC
 9705 N. Broadway Ext., Suite 150
 Oklahoma City, OK 73114
 P: (405) 840-3386
 F: (831) 597-0792
 technical@buildblock.com
 buildblock.com

Title	BuildBlock Building Systems – Insulating Concrete Form System		
Drawing No.	Miami-Dade County Approval Summary Document		
Revision Date	9/30/2024	Revision No.	007
Drawn By:	JW/MK/RD		
Date	3/15/2024	Sheet No.	1 of 1