MIAMI-DADE

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)

Building Technologies Inc.
119 No. Commercial Street
Suite 170
Bellingham, WA 98227

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: Quad-Lock Building Systems
APPROVAL DOCUMENT: Drawing No. 1.1 titled "Typical 6 inches R22 Wall" prepared by Quad-Lock Building Systems dated 12/13/05 with last revision on 11/01/06, 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: None
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 or MDCPCA", 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, evidence page as well as approval document mentioned above.
The submitted documentation was reviewed by **Candido Font, P.E.**

12/21/06

PRODUCT CONTROL ACCEPTED

NOA No 06-0407.06
Expiration Date: December 21, 2011
Approval Date: December 21, 2006

Building Technologies Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING

1. Drawing No. 1.1 titled Typical 6 inches R22 Wall, prepared by Quad-Lock Building Systems., dated 12/13/05 with last revision on 11/01/06 signed and sealed by S. N. Nifah, PE.

B TEST

Laboratory Report	Test	Date	Signature
1. ETL 3105457SAT-001	ASTM E84	10/13/06	C. Bowness, PE
2. ETL 3080067(b)	ASTM D635	07/28/05	S. J. Emerman, PE
3. ETL 3080067(a)	ASTM D1929	07/28/05	S. J. Emerman, PE
4. ETL 3080072-02	ASTM C578	10/12/05	S. J. Emerman, PE
5. ETL 3080072-01	ASTM C518	09/30/05	S. J. Emerman, PE
6. ETL 3080072-01	ASTM E84	09/30/05	S. J. Emerman, PE
7. ETL 3080072-01	ASTM C1104	09/30/05	S. J. Emerman, PE
8. ETL 3080072-01	ASTM C665	09/30/05	S. J. Emerman, PE
9. ETL 3080072-01	ASTM C1304	09/30/05	S. J. Emerman, PE
10. ETL 3080072-01	ASTM E96	09/30/05	S. J. Emerman, PE
11. ETL 3080072-01	ASTM E970	09/30/05	S. J. Emerman, PE
12. ETL 3080072-01	ASTM C1338	09/30/05	S. J. Emerman, PE

C CALCULATION N/A

D QUALITY ASSURANCE

1. Building Code Compliance Office.

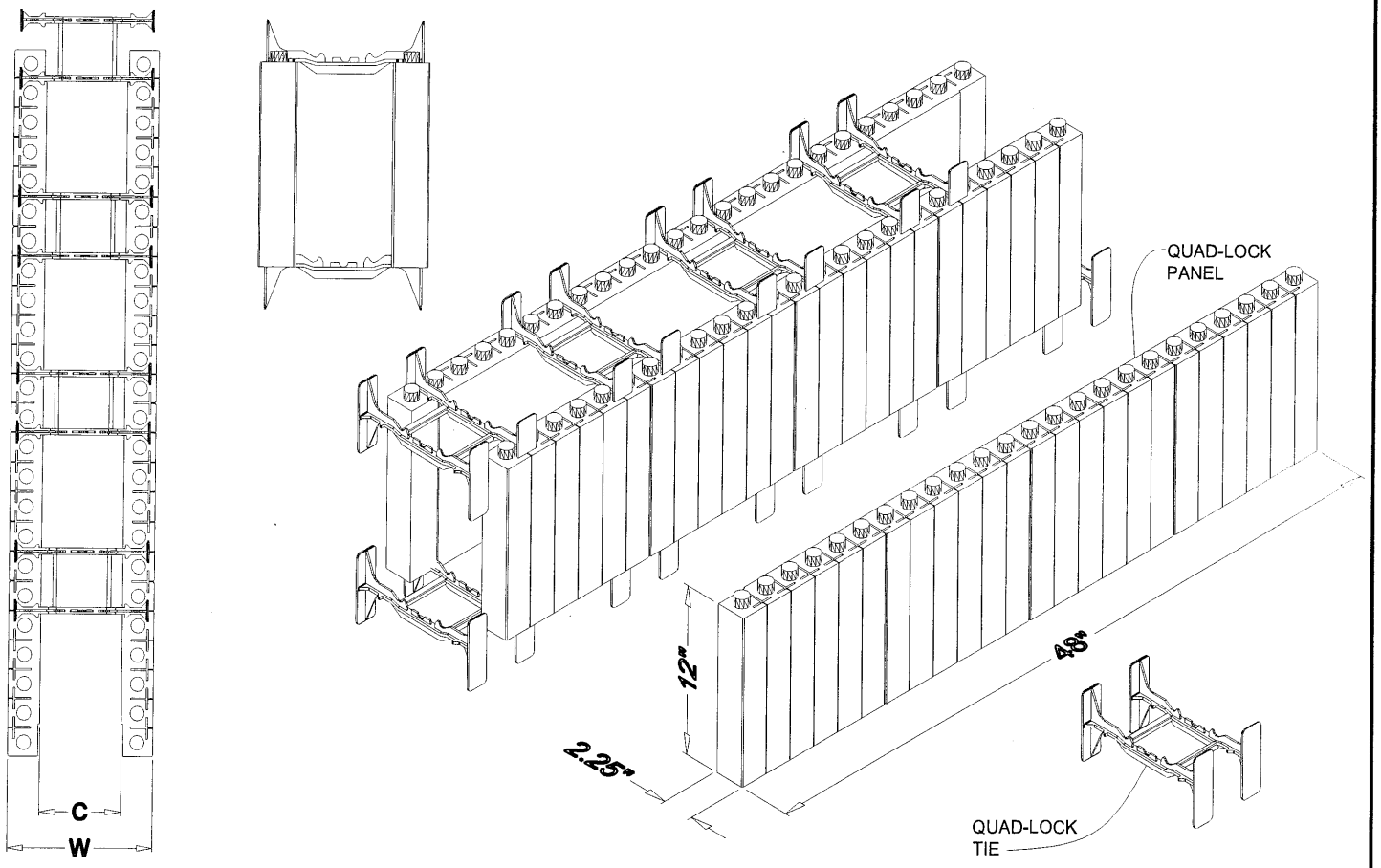
E STATEMENTS

1. Letter of Code Compliance, issued by Nifah and Partners, dated 04/03/06 and signed and sealed by S. N. Nifah, PE

2. Letter of No Financial Interest, issued by Nifah and Partners, dated 04/03/06 and signed by S. N. Nifah PE.

12/21/06

Candido F. Font, P.E.
Senior Product Control Examiner
NOA No 06-0407.06
Expiration Date: December 21, 2011
Approval Date: December 21, 2006



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1.1 QUAD-LOCK R-22 WALL
N.T.S.

12/21/06
06-0407.06

DESCRIPTION

Quad-Lock wall forming systems are Insulating Concrete Forms (ICF) made of expanded Polystyrene (eps) and are used to build reinforced concrete walls. After the concrete has hardened, the forms stay in place and become wall insulation. The system as a form shall comply with the requirements of ACI 347.
The concrete walls shall comply with ACI 318. The properties of EPS are listed below.

PROPERTIES	TEST	RESULTS
Water Vapour Absorption	ASTM C1104 (equiv. of C 272)	Weight Increase = .16%
Water Vapour Absorption	ASTM C1104 (equiv. of C 272)	Volume Increase = .005%
Thermal Conductivity	ASTM C 518	0.243 Btu in/h ft² °F
Spontaneous Ignition Temp.	ASTM D 1929	752°F
Rate of Burning	ASTM D 635	0.59 In/Min
Flame Spread Index	ASTM E 84	10
Smoke Developed Index	ASTM E 84	5
Fungi Resistance	ASTM C 1338	No Growth
Corrosiveness	ASTM C 665	25 Max.
Water Vapour Transmission	ASTM E 96	3.03 g/h x m²
Radiant Flux	ASTM E 970	> 1.0 w/cm²
Odor Emission	ASTM C 1304	None Detected

QUAD-LOCK® BUILDING SYSTEMS

Quad-Lock Building Systems Ltd.
7398 - 132nd Street
Surrey, BC V3W 4M7
Canada

888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

R-22 WALL CONFIGURATIONS

NOMINAL CONC. WIDTH - TIE SIZE	WALL WIDTH **W**	WALL CAVITY **C**
4" (100mm)	$8\frac{1}{4}$" (210mm)	$3\frac{3}{4}$" (96mm)
6" (150mm)	$10\frac{1}{4}$" (260mm)	$5\frac{3}{4}$" (146mm)
8" (200mm)	$12\frac{1}{4}$" (311mm)	$7\frac{3}{4}$" (197mm)
10" (250mm)	$14\frac{1}{4}$" (362mm)	$9\frac{3}{4}$" (248mm)
12" (300mm)	$16\frac{1}{4}$" (413mm)	$11\frac{3}{4}$" (299mm)

ENGINEER'S STAMP

Samuel Nifah 11/27/06
SAMUEL N. NIFAH
P.E. # 48224

TYPICAL 6" R22 WALL

DATE: 2005-12-13		SCALE: N.T.S.	
REVISION NO: R-05		PROJECT: N/A	
REVISION DATE: 2006-11-01		CUSTOMER: N/A	DRAWING NO: 1.1
DRAWN BY: Z. PROSTRAN		APPROVED BY: D. J. BENNION	