



**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) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Nichiha USA, Inc.**  
**6659 Peachtree Industrial Blvd. Ste. AA**  
**Norcross, GA 30092**

**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: NichiProducts™ Fiber-Cement Siding**

**APPROVAL DOCUMENT:** Drawing No. **ITS N1090403**, titled "NichiBoard & EcoPlank", sheets 1 and 2 of 2 and Drawing No. **ITS N2090403**, titled "NichiPanel", sheets 1 and 2 of 2, dated 03/16/09, prepared by Category 5 Engineering Services, Inc, signed and sealed by Emma T. Mellinger, P.E., 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: Large and Small Missile Impact Resistant**

**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", 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 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



*[Handwritten Signature]*  
 6/30/09

**NOA No. 09-0511.01**  
**Expiration Date: July 22, 2014**  
**Approval Date: July 22, 2009**  
 Page 1

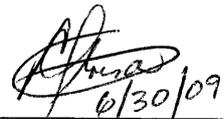
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **ITS N1090403**, titled "NichiBoard & EcoPlank", sheets 1 and 2 of 2 and Drawing No. **ITS N2090403**, titled "NichiPanel", sheets 1 and 2 of 2, dated 03/16/09, prepared by Category 5 Engineering Services, Inc, signed and sealed by Emma T. Mellinger, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of NichiProducts Fiber-Cement Panels, prepared by Intertek Testing Services NA LTD, Report No. **3145127COQ-004A**, dated 08/07/08, signed and sealed by Rick Curkeet, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of NichiBoards and EcoPlanks, prepared by Intertek Testing Services NA LTD, Report No. **3145127COQ-004B**, dated 10/24/08, signed and sealed by Rick Curkeet, P.E.
3. Test report on Standard Specification for Flat Non-Asbestos Fiber-Cement Sheets of NichiProducts Fiber-Cement Panels, per ASTM C1186-07, prepared by Intertek Testing Services NA LTD, Report No. **3145123COQ-005**, dated 05/20/08, with a revision dated 02/02/09, signed and sealed by Rick Curkeet, P.E.
4. Test report on Surface Burning Characteristics of NichiPanel Fiber-Cement Panels, per ASTM E84-08, prepared by Intertek Testing Services NA LTD, Report No. **3145123COQ-006**, dated 06/25/08, with a revision dated 04/03/09, signed and sealed by Rick Curkeet, P.E.
5. Test report on Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C of Nichiha M series unprimed cementitious, per ASTM E136-99, prepared by Intertek Testing Services NA LTD, Report No. **3105885COQ-002**, dated 10/26/06, with a revision dated 03/30/09, signed and sealed by Rick Curkeet, P.E.



6/30/09

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 09-0511.01  
Expiration Date: July 22, 2014  
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**C. CALCULATIONS**

1. Anchor analyses, prepared by Category 5 Engineering Services, Inc., dated 04/03/09, signed and sealed by Emma T. Mellinger, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

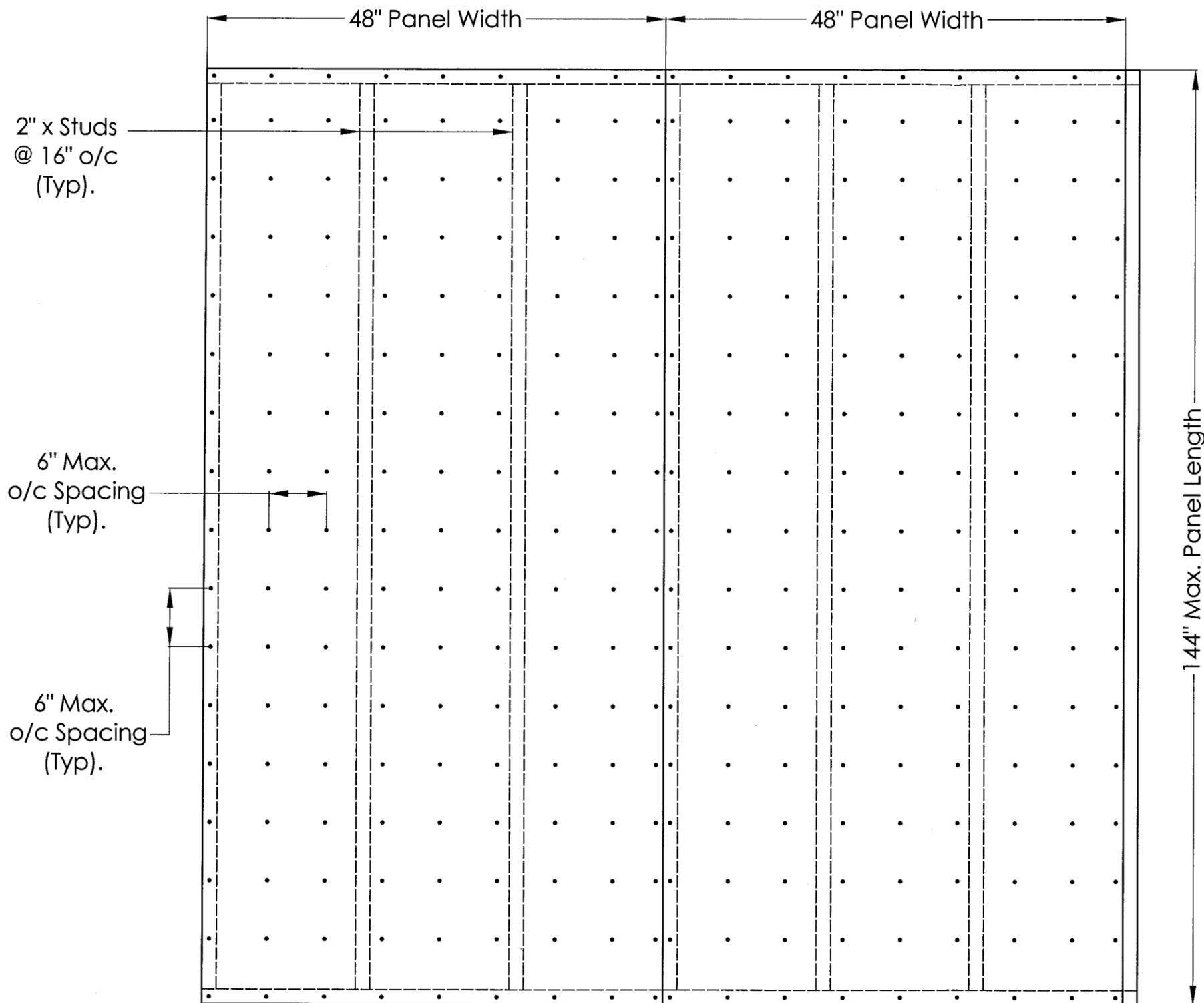
**F. STATEMENTS**

1. Approval request letter issued by Nichiha USA, Inc., dated 04/03/09, signed by Ryuji Hotta.
2. No financial interest letter issued by Category 5 Engineering Services, Inc., dated 03/16/09, signed and sealed by Emma T. Mellinger, P.E.



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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 09-0511.01  
Expiration Date: July 22, 2014  
Approval Date: July 22, 2009



**DESCRIPTION and SPECIFICATIONS**

NichiPanel siding material is a non-asbestos fiber cement product tested in accordance with ASTM C-1185 & meeting the requirements of the 2007 Florida Building Code (HVHZ). Panels are available in four-foot widths within the maximum and minimum dimensions specified below.

**Plank Dimensions**

Width	Length	Thickness
48"	8'	5/16"
48"	10'	5/16"
48"	12'	5/16"

**Design Pressure Rating -104 psf**

**LIMITATIONS**

1. All installation shall be done in accordance with this Notice of Acceptance, the manufacturer's installation recommendations, and the applicable sections of the 2007 Florida Building Code including High Velocity Hurricane Zone where Required).
2. Wood studs and plywood sheathing supporting NichiPanel siding shall conform to the 2007 Florida Building Code (including the HVHZ where required), and the requirements of this Notice of Acceptance (See Note Sheet 2).
3. Siding installed as specified herein shall be classified as Large Missile Impact Resistant.

Approved as complying with the Florida Building Code  
 Date 07/22/2009  
 NOA# 07-0511-01  
 Miami Dade Product Control Division  
 By *[Signature]*



**CATEGORY 5**  
 Engineering Services, Inc.

1600 S. Federal Highway, #207  
 Pompano Beach, FL 33062  
 (954) 784-6991

Product

**NichiPanel  
 Fiber Cement Siding**

Dwg: ITS N2090403

Sheet: 1 of 2

Manufacturer

**NICHIHA USA, INC.**

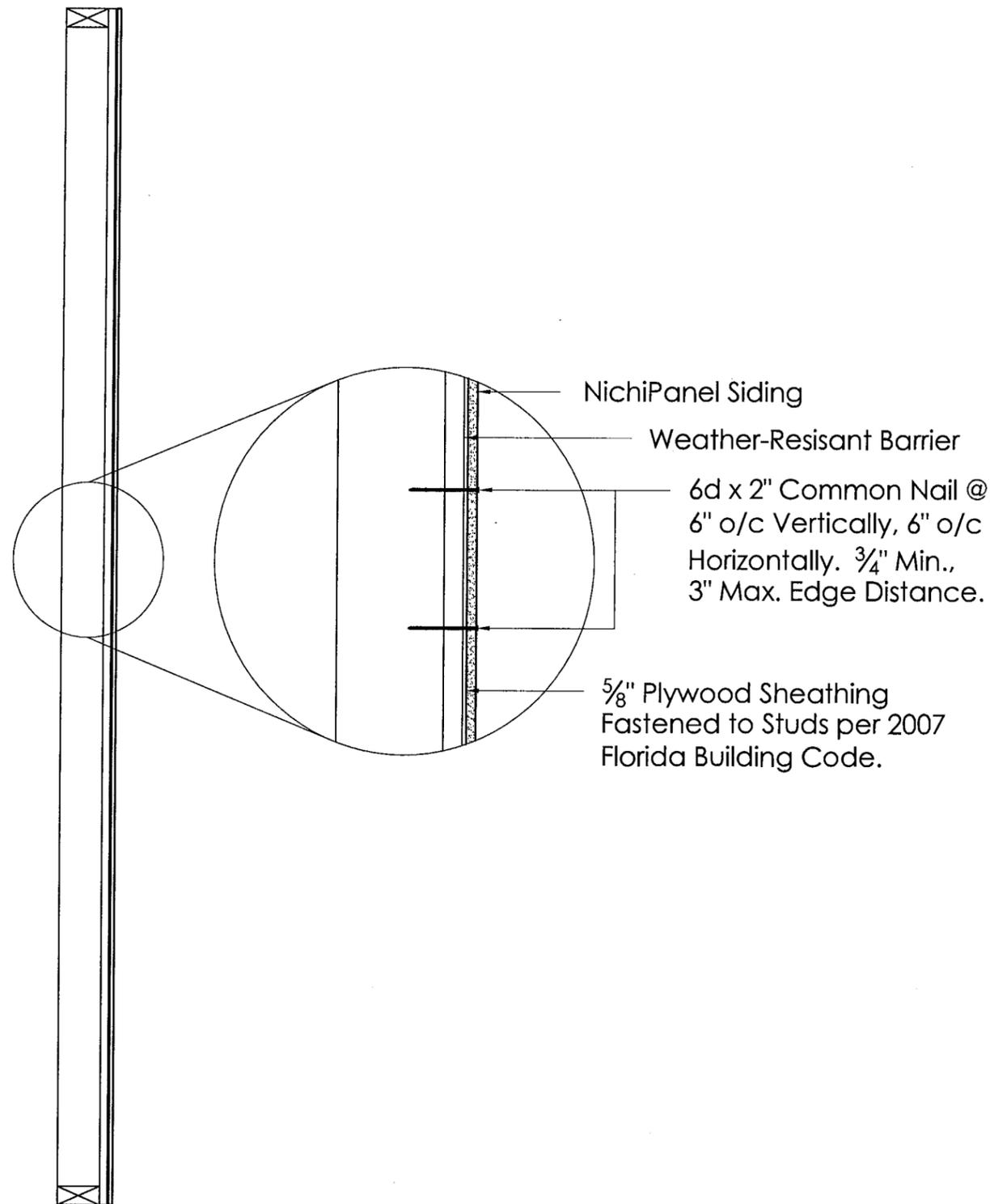
6659 Peachtree Ind. Blvd., Ste AA, Norcross, GA

Revision: 0

Date: March 16, 2009

*[Signature]*

Emma T. Mellinger, P.E.  
 FL PE #50049  
 CA #25854



**NICHIBOARD & ECOPLANK SIDING INSTALLATION**

- The planks shall be applied vertically, avoiding horizontal joints.
- The planks shall be installed over 5/8" APA rated exterior-grade plywood (SG = 0.50 min.) supported by 2"x4" minimum wood studs spaced a maximum of 16" o.c.
- Fasteners shall be placed at 6" o/c in the vertical direction and 6" o/c in the horizontal direction.
- A distance of between 3/4" and 3" from the edges shall always be observed.

**PLYWOOD SHEATHING NOTE**

NichiPanel Fiber-Cement Siding is designed to be installed to plywood sheathing. Such plywood shall be 5/8" (5-ply) minimum, APA rated sheathing, Structural I grade, with a species specific gravity of 0.50 or greater (e.g. Douglas Fir-Larch or Southern Pine). Use of other grade plywood shall require a site-specific fastener design for the siding attachment, signed and sealed by a Florida Registered Professional Engineer.

Such plywood sheathing shall be supported by framing consisting of 2" x 4" minimum wood studs, or 2" x 6" 18ga metal studs, each at 16" o/c. Plywood shall be attached to the framing studs in accordance with the 2007 Florida Building Code (High Velocity Hurricane Zone).

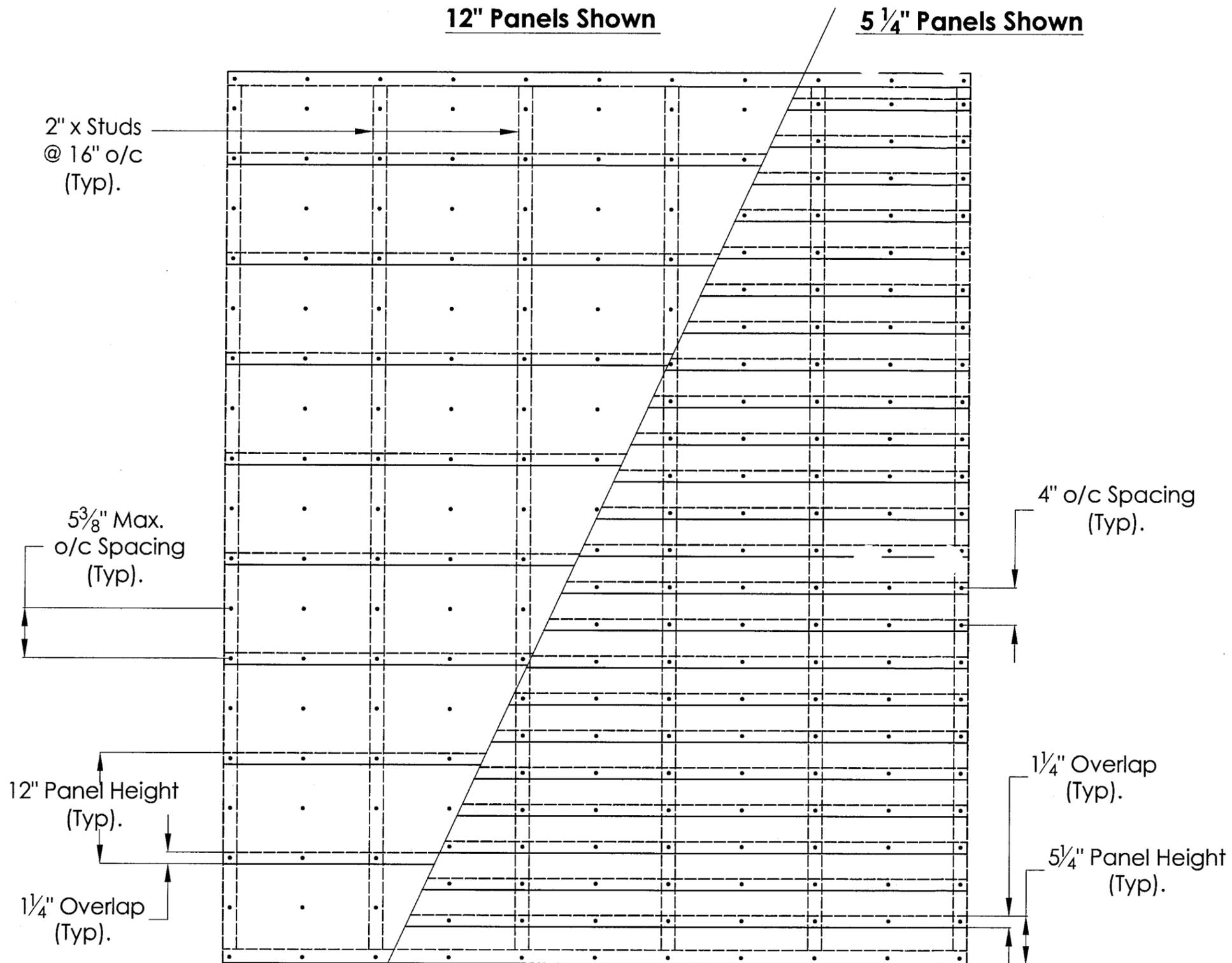
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 Miami Dade Product Control  
 Division  
 By: *[Signature]*



**CATEGORY 5**  
 Engineering Services, Inc.

1600 S. Federal Highway, #207  
 Pompano Beach, FL 33062  
 (954) 784-6991

<b>Product</b> NichiPanel Fiber Cement Siding		<b>Manufacturer</b> NICHIIHA USA, INC. 6659 Peachtree Ind. Blvd., Ste AA, Norcross, GA		 Emma T. Mellinger, P.E. FL PE #50049 CA #25854
<b>Dwg:</b> ITS N2090403	<b>Sheet:</b> 2 of 2	<b>Revision:</b> 0	<b>Date:</b> March 16, 2009	



**DESCRIPTION and SPECIFICATIONS**

NichiBoard & EcoPlank lap siding material is a non-asbestos fiber cement product tested in accordance with ASTM C-1185 & meeting the requirements of the 2007 Florida Building Code (HVHZ). Planks are available in a variety of widths within the maximum and minimum dimensions specified below.

**Plank Dimensions**

Width	Length	Thickness
5 1/4" Min.	12'	5/16"
12" Max.	12'	5/16"

**Design Pressure Rating -125 psf**

**LIMITATIONS**

1. All installation shall be done in accordance with this Notice of Acceptance, the manufacturer's installation recommendations, and the applicable sections of the 2007 Florida Building Code including High Velocity Hurricane Zone where Required).
2. Wood studs and plywood sheathing supporting NichiBoard and EcoPlank siding shall conform to the 2007 Florida Building Code (including the HVHZ where required), and the requirements of this Notice of Acceptance (See Note Sheet 2).
3. Siding installed as specified herein shall be classified as Large Missile Impact Resistant.

Approved as complying with the Florida Building Code  
 Date: 07/22/2009  
 MOA# 09-0511.01  
 Miami Dade Product Control Division  
 By: [Signature]



**CATEGORY 5**  
 Engineering Services, Inc.

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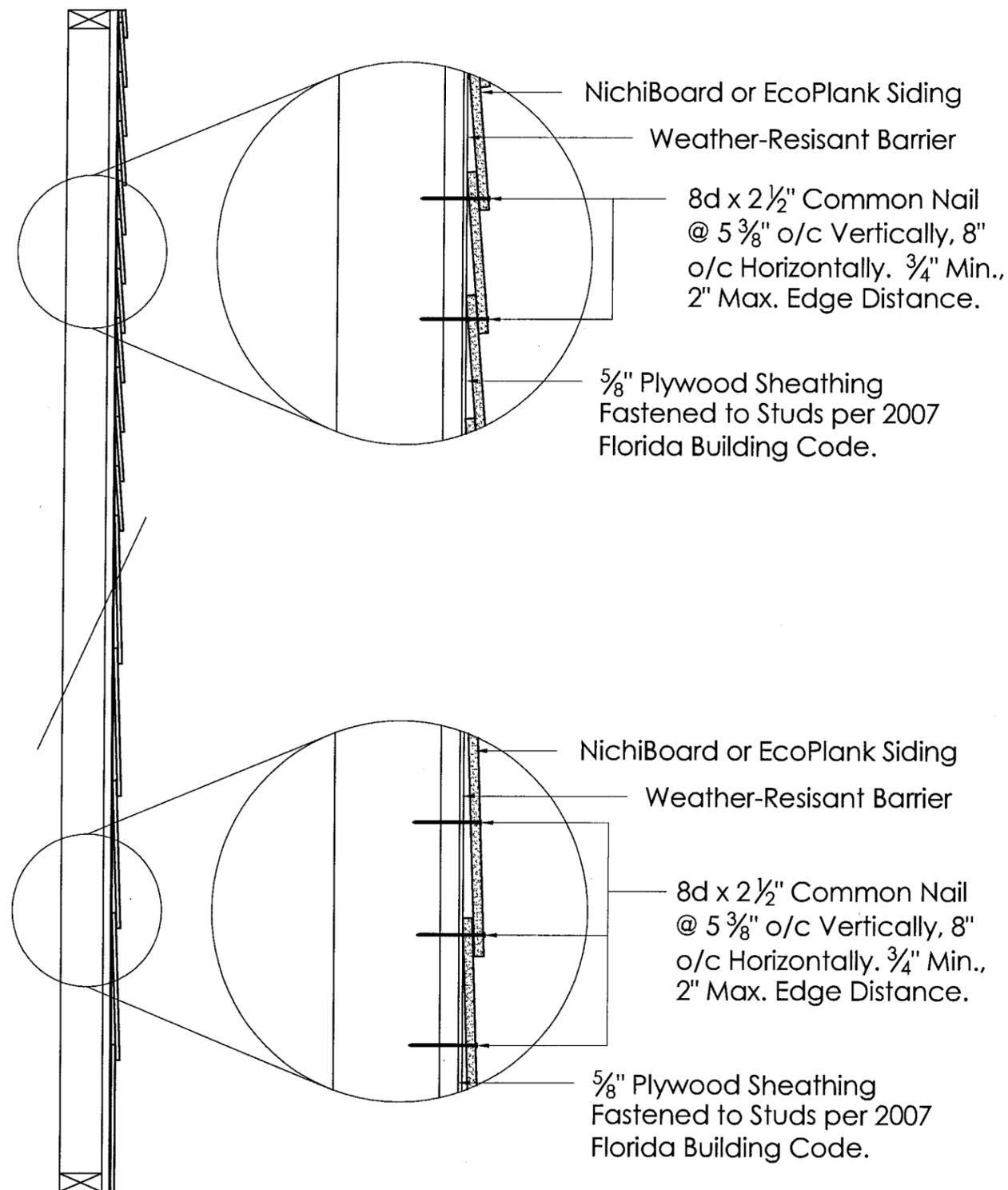
Product  
**NichiBoard & EcoPlank**  
 Fiber Cement Siding

Dwg: ITS N1090403 Sheet: 1 of 2

Manufacturer  
**NICHIHA USA, INC.**  
 6659 Peachtree Ind. Blvd., Ste AA, Norcross, GA

Revision: 0 Date: March 16, 2009

[Signature]  
 Emma T. Mellinger, P.E.  
 FL PE #50049  
 CA #25854



## NICHIBOARD & ECOPLANK SIDING INSTALLATION

- The planks shall be applied horizontally commencing from the bottom course of the wall.
- Each successive course shall overlap the prior course by 1 1/4".
- Any vertical joints shall be over framing members, with fasteners either side of the joint.
- The planks shall be installed over 5/8" APA rated exterior-grade plywood (SG = 0.50 min.) supported by 2"x4" minimum wood studs spaced a maximum of 16" o.c.
- The siding shall be fastened through over-lapping planks with 8d x 2 1/2" long common nails over wood studs.
- A row of fasteners shall be placed in the overlap of each course, spaced 8" o/c in the horizontal direction.
- Successive rows of fasteners shall be spaced not more than 5 3/8" o/c. (Planks greater than 6 5/8" in width shall require an additional row of fasteners in the center of the plank).
- A distance of between 3/4" and 2" from the edges shall always be observed.

## PLYWOOD SHEATHING NOTE

NichiPlank and EcoPlank Fiber-Cement Lap Siding is designed to be installed to plywood sheathing. Such plywood shall be 5/8" (5-ply) minimum, APA rated sheathing, Structural I grade, with a species specific gravity of 0.50 or greater (e.g. Douglas Fir-Larch or Southern Pine). Use of other grade plywood shall require a site-specific fastener design for the siding attachment, signed and sealed by a Florida Registered Professional Engineer.

Such plywood sheathing shall be supported by framing consisting of 2" x 4" minimum wood studs, or 2" x 6" 18ga metal studs, each at 16" o/c. Plywood shall be attached to the framing studs in accordance with the 2007 Florida Building Code (High Velocity Hurricane Zone).

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Miami Dade Product Control  
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**CATEGORY 5**  
Engineering Services, Inc.

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Pompano Beach, FL 33062  
(954) 784-6991

Product

**NichiBoard & EcoPlank  
Fiber Cement Siding**

Dwg: ITS N1090403

Manufacturer

**NICHIHA USA, INC.**

6659 Peachtree Ind. Blvd., Ste AA, Norcross, GA

Revision: 0

Sheet: 2 of 2

Date: March 16, 2009

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