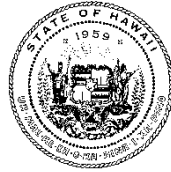


**DAVID Y. IGE**  
GOVERNOR

**JOSH GREEN**  
LT. GOVERNOR



Curt T. Otaguro  
Comptroller

**AUDREY HIDANO**  
Deputy Comptroller

**STATE OF HAWAII**  
**DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES**  
**STATE BUILDING CODE COUNCIL**

P.O. BOX 119, HONOLULU, HAWAII 96810-0119

Subcommittee of Building Officials Meeting  
Tuesday, October 27, 2020  
8:00 a.m. – 10:00 a.m.

Join Microsoft Teams Meeting  
+1 469-848-0234 United States, Dallas (Toll)  
Conference ID: 546 984 935#

**MINUTES**

Present:

Willard Nishigata  
Douglas Haigh  
Neal Tanaka  
Glen Ueno  
Gregg Serikaku  
Howard Wigg  
Kraig Stevenson  
Lyle Carden  
Richard Myers  
Chris Delanuy  
Gary Lum  
Lloyd Rogers  
Jonathan Sargent  
Jay  
Neil Erickson  
Tracy S. Toanki  
Nat Kinney  
Bill Brizee  
Leolynne  
Jeff Mange  
Darryl Oliveira  
Kika Bukoiski  
Mark Kennedy  
Michale Losua

City & County of Honolulu  
County of Kauai  
County of Hawaii  
County of Maui  
PAMCA  
DBEDT  
ICC  
SEOH  
HAIA  
Pacific Resource Partnership  
State Fire Council  
State Fire Council

Francis Degracia  
Mike Yadao  
Pane Meatoga

1. Call to order.
2. Introductions and public comments.

Chris Delanuay of Pacific Resource Partnership – discussed FBH and proposed amendments

Nat Kinney – discuss FBH

Kika Bukoiski –requested copy of proposed amendments

Darryl Oliveira – supported FBH issues being discuss in an investigative committee

Gregg Seikaku – has questions on the IRC amendments. To send a follow-up email.

3. Review and approval of minutes for October 19, 2020, meeting. Approved
4. Discussion of proposed amendments to the Hawaii State Residential Code (link to document - [https://www.dropbox.com/s/vgt19rr06gm1eav/2018%20IRC%20SEAOH%20Proposed%20Structural%20Amendments%20081920\\_RMLC.docx?dl=0](https://www.dropbox.com/s/vgt19rr06gm1eav/2018%20IRC%20SEAOH%20Proposed%20Structural%20Amendments%20081920_RMLC.docx?dl=0)). Voting to forward amendments to the State Building Code Council may follow this discussion.
  - Discussed PRP proposed amendments for Chapter 17. Proposed changes not unanimously approved by the Building Officials.
  - Lyle Carden reviewed amendments and the following changes were approved:
    - Item 25 – Complete load path and uplift ties - Lyle to review potential added details for field gluing.
    - Items 41-47 – Shall be covered by the International Existing Building Code.
    - Section 3113 – PRP presented their proposed amendment to delete this section. If not deleted expand definition of manufactured housing. Proposed changes not unanimously approved by the Building Officials.

- Appendix W – Section 16 to be modified to refer all wind issues to the appendix if covered within the appendix.
5. Next meeting: November 10, 9:00-11:00 for 2018 IBC Architectural Provisions and Existing Building Code. (Cancelling October 29, 2020 Meeting)
  6. Adjournment – Adjourned at 10:10 AM.

# Hawai'i Construction Alliance

P.O. Box 179441  
Honolulu, HI 96817  
(808) 220-8892

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October 27, 2020

Subcommittee of Building Officials Meeting  
State Building Codes Council  
Department of Accounting and General Services  
State of Hawaii

## **RE: Proposed Amendments to the State Building Code**

Dear Chair and members of the Sub Committee of Building Officials:

The Hawai'i Construction Alliance is comprised of the Hawai'i Regional Council of Carpenters; the Operative Plasterers' and Cement Masons' Union, Local 630; International Union of Bricklayers & Allied Craftworkers, Local 1; the Laborers' International Union of North America, Local 368; and the Operating Engineers, Local Union No. 3. Together, the member unions of the Hawai'i Construction Alliance represent 15,000 working men and women in the basic crafts of Hawai'i's construction industry.

We write in OPPOSITION of the proposed adoption of Chapter 17 of the 2018 International Building Code (IBC) and recommends the complete deletion of Section 3113, relating to Relocatable Buildings of the 2018 IBC.

The adoption of provisions to give a special preference to factory-built housing (FBH), such as bypassing standard permitting and inspection requirements, is especially odd when you consider that the sub committee is made up entirely of county building officials.

Why would county building officials cede their inspection and permitting authority to 3<sup>rd</sup> party inspectors that only conduct "periodic" inspections of FHB?

Is there something going on here that we don't know about?

Yet, when it comes to "traditional" construction projects, what we have seen is an overabundance of inspections and permitting, creating a huge backlog of work that is stuck in a byzantine process with no end in sight.

Before changing rules to favor Factory Built Housing, perhaps the state and counties should be working to create a streamlined building permit and inspection process that helps the state economy recover from the crippling effects of COVID-19.

Mahalo,

A handwritten signature in black ink, appearing to read "Nathaniel Kinney". The signature is fluid and cursive, with the first name being more legible than the last.

Nathaniel Kinney  
Executive Director  
Hawai'i Construction Alliance  
[execdir@hawaiiconstructionalliance.org](mailto:execdir@hawaiiconstructionalliance.org)

Testimony of  
Pacific Resource Partnership

State of Hawaii  
Department of Accounting and General Services  
State Building Code Council  
Subcommittee of Building Officials Meeting

Proposed Amendments to the Hawaii State Building Code  
Tuesday, October 27, 2020  
8:00 a.m.

Aloha Members of the Subcommittee of Building Officials:

Pacific Resource Partnership (PRP) provides proposed amendments to the State Building Code regarding the proposed adoption of Chapters 1 and 17 of the 2018 International Building Code (IBC) and recommends the complete deletion of Section 3113, relating to Relocatable Buildings, of the 2018 IBC.

PRP supports the construction of more affordable housing and believes that government can make it more feasible for all homebuilders to accomplish this by removing existing barriers in laws, rules and processes that frustrate the homebuilder's efforts to build more housing for Hawaii's residents. However, we do not support policies that give special preference to factory-built housing (FBH), which includes modular housing and other types of housing built within a factory, over homes built on site. As a matter of principle, it is inequitable for the State Building Code Council (SBCC) to adopt a special pathway for FBH, allowing FBH to bypass standard permitting and inspection requirements enforced by the building official, while traditional homebuilders must comply with these requirements when they construct any building or structure. For instance, Chapters 1 and 17 and Section 3113 of the 2018 IBC gives an unfair advantage to the FBH homebuilder over the traditional homebuilder by allowing an approved agency to periodically perform inspections within the factory for FBH, while each and every home built by the traditional homebuilder must be permitted and inspected by the building official. Instead of adopting policies favoring FBH, government should find ways to improve the permitting and inspection processes for all homebuilders to bring more housing to the market quickly and ensure that everyone is treated equally under the law.

Policies favoring FBH will not just have a negative impact on the construction industry, but the island's economy as we face a major economic downturn and unemployment at record highs. The automated process of modular housing will take away jobs from traditional homebuilders; good-paying jobs that are keeping local carpenters, plumbers and electricians employed.

Further, at the SBCC meeting on October 20, 2020, members recommended that an investigative committee regarding FBH be formed. As such, we respectfully request that this Subcommittee refrain



**(Continued From Page 1)**

from adopting any provisions related to FBH to ensure that such policies do not give FBH an unfair advantage over the traditional homebuilder. We, therefore, recommend proposed amendments to the State Building Code in the attached document.

Thank you for this opportunity to submit written comments.

**(Continued From Page 2)**

**PROPOSED AMENDMENTS**

CHAPTER 1 SCOPE AND ADMINISTRATION  
SECTION 104  
DUTIES AND POWERS OF BUILDING OFFICIAL

104.11 Alternative materials, design and methods of construction and equipment.  
The provisions of this code are not intended to prevent the installation of any material [~~or to prohibit any design or method of construction~~] not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material [~~, or design or method of construction~~] shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material [~~; method of work offered is,~~] for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material [~~, design or method of construction~~] is not approved, the building official shall respond in writing, stating the reasons why the alternative was not approved.

104.11.1 Research reports.

Supporting data, where necessary to assist in the approval of materials [~~or assemblies~~] not specifically provided for in this code, shall consist of valid research reports from approved sources.

104.11.2 Tests.

Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material [~~or method~~] does not conform to the requirements of this code, or in order to substantiate claims for alternative materials [~~or methods~~], the building official shall have the authority to require tests as evidence of compliance to be made without expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the building official shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the building official for the period required for retention of public records.



**(Continued From Page 3)**

CHAPTER 17 SPECIAL INSPECTIONS AND TESTS

SECTION 1701

GENERAL

1701.1 Scope.

The provisions of this chapter shall govern the quality, workmanship and requirements for materials covered. Materials of construction and tests shall conform to the applicable standards listed in this code. This chapter shall not apply to the process of making, fabricating, constructing, forming, or assembling factory-built housing or buildings, modular housing, or other types of housing built within a factory, plant, or at a place other than the building site. Each and every factory-built housing or building, modular housing, or other types of housing built within a factory, plant, or at a place other than the building site shall be permitted and inspected within the factory, plant, or place other than the building site by the building official.

SECTION 1702

NEW MATERIALS

1702.1 General.

New building materials, equipment, appliances, or systems [~~or methods of construction~~] not provided for in this code, and any material of questioned suitability proposed for use in the construction of a building or structure, shall be subjected to the tests prescribed in this chapter and in the approved rules to determine character, quality and limitations of use.

SECTION 1703

APPROVALS

1703.2 Written approval.

Any material, appliance, equipment, or system [~~or method of construction~~] meeting the requirements of this code shall be approved in writing after satisfactory completion of the required tests and submission of required test reports.

1703.3 Record of approval.

For any material, appliance, equipment, or system [~~or method of construction~~] that has been approved, a record of such approval, including the conditions and limitations of the approval, shall be kept on file in the building official's office and shall be available for public review at appropriate times.

1703.4 Performance.

Specific information consisting of test reports conducted by an approved agency in accordance with the appropriate referenced standards, or other such information as necessary, shall be

**(Continued From Page 4)**

provided for the building official to determine that the product, or material [~~or assembly~~] meets the applicable code requirements.

1703.4.1 Research and investigation.

Sufficient technical data shall be submitted to the building official to substantiate the proposed use of any product, or material [~~or assembly~~]. If it is determined that the evidence submitted is satisfactory proof of performance for the use intended, the building official shall approve the use of the product, or material [~~or assembly~~] subject to the requirements of this code. The costs, reports and investigations required under these provisions shall be paid by the owner or the owner's authorized agent.

1703.4.2 Research reports.

Supporting data, where necessary to assist in the approval of products, or material [~~or assemblies~~] not specifically provided for in this code, shall consist of valid research reports from approved sources.

1703.5 Labeling.

Products, or material [~~or assemblies~~] required to be labeled shall be labeled in accordance with the procedures set forth in Section 1703.5.1 through 1703.5.4.

1703.5.1 Testing.

An approved agency shall test a representative sample of the product, or material [~~or assembly~~] being labeled to the relevant standard or standards. The approved agency shall maintain a record of the test performed. The record shall provide sufficient detail to verify compliance with the test standard.

1703.5.2 Inspection and identification.

The approved agency shall periodically perform an inspection, which shall be in-plant if necessary, or the product, or material that is to be labeled. The inspection shall verify that the labeled product, or material [~~or assembly~~] is representative of the product, or material [~~or assembly~~] tested.

1703.5.3 Label information.

The label shall contain the manufacturer's identification, model number, serial number or definitive information describing the performance characteristics of the product, or material [~~or assembly~~] and the approved agency's identification.

1703.5.4 Method of labeling.

**(Continued From Page 5)**

Information required to be permanently identified on the product, or material [~~or assembly~~] shall be acid etched, sand blasted, ceramic fired, laser etched, embossed or of a type that, once applied, cannot be removed without being destroyed.

~~[1703.6 Evaluation and follow-up inspection services.~~

~~Where structural components or other items regulated by this code are not visible for inspection after completion of a prefabricated assembly, the owner or the owner's authorized agent shall submit a report to each prefabricated assembly. The report shall indicate the complete details of the assembly, including a description of the assembly and its components, the basis upon which the assembly is being evaluated, test results and similar information and other data as necessary for the building official to determine conformance to this code. Such a report shall be approved by the building official.]~~

SECTION 1704  
SPECIAL INSPECTIONS AND TESTS,  
CONTRACTOR RESPONSIBILITY AND  
STRUCTURAL OBSERVATION

1704.2.5 Special inspections of fabricated items.

Where fabrication of structural, load-bearing or lateral load-resisting members or assemblies is being conducted on the premises of a fabricator's shop, special inspections of the fabricated items shall be performed during fabrication. ~~[except where the fabricator has been approved to perform work without special inspections in accordance with Section 1704.2.5.1.]~~

~~[1704.2.5.1 Fabricator approval.~~

~~Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved to perform such work without special inspection. Approval shall be based on review of the fabricator's written fabrication procedures and quality control manuals that provide a basis for control of materials and workmanship, with periodic auditing of fabrication and quality control practices by an approved agency or the building official. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the owner or the owner's authorized agent for submittal to the building official as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents.]~~

1704.5 Submittals to the building official.

In addition to the submittal of reports of special inspections and tests in accordance with Section 1704.2.4, reports and certificates shall be submitted by the owner or the owner's authorized agent to the building official for each of the following:

1. ~~[Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of an~~

**(Continued From Page 6)**

~~approved fabricator in accordance with Section 1704.2.5.1.]~~

[CHAPTER 31  
SPECIAL CONSTRUCTION

SECTION 3113  
RELOCATABLE BUILDINGS

~~3113.1 General.~~

~~The provisions of this section shall apply to relocatable buildings. Relocatable buildings manufactured after the effective date of this code shall comply with the applicable provisions of this code.~~

~~———Exception: This section shall not apply to manufactured housing used as dwellings.~~

~~3113.1.1 Compliance.~~

~~A newly constructed relocatable building shall comply with the requirements of this code for new construction. An existing relocatable building that is undergoing alteration, addition, change of occupancy or relocation shall comply with Chapter 14 of the International Existing Building Code.~~

~~3113.2 Supplemental information.~~

~~Supplemental information specific to a relocatable building shall be submitted to the authority having jurisdiction. It shall, as a minimum, include the following in addition to the information required by Section 105:~~

- ~~1. Manufacturer's name and address.~~
- ~~2. Data of manufacture.~~
- ~~3. Serial number of module.~~
- ~~4. Manufacturer's design drawings.~~
- ~~5. Type of construction in accordance with Section 602.~~
- ~~6. Design loads including: roof live load, roof snow load, floor live load, wind load and seismic site class, use group and design category.~~
- ~~7. Additional building planning and structural design data.~~
- ~~8. Site built structure or appurtenance attached to the relocatable building.~~

~~3113.3 Manufacturer's data plate.~~

**(Continued From Page 7)**

Each relocatable module shall have a data plate that is permanently attached on or adjacent to the electrical panel, and shall include the following information:

1. ~~Occupancy group.~~
2. ~~Manufacturer's name and address.~~
3. ~~Date of manufacture.~~
4. ~~Serial number of module.~~
5. ~~Design roof live load, design floor live load, snow load, wind and seismic design.~~
6. ~~Approved quality assurance agency or approved inspection agency.~~
7. ~~Codes and standards of construction.~~
8. ~~Envelope thermal resistance values.~~
9. ~~Electrical service size.~~
10. ~~Fuel burning equipment and size.~~
11. ~~Special limitations if any.~~

~~3113.4 Inspection agencies.~~

~~The building official is authorized to accept reports of inspections conducted by approved inspection agencies during off site construction of the relocatable building, and to satisfy the applicable requirements of Section 110.3 through 110.3.11.1.]~~