

BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS,
SURVEYORS AND LANDSCAPE ARCHITECTS
Professional and Vocational Licensing Division
Department of Commerce and Consumer Affairs
State of Hawaii

MINUTES OF MEETING

The agenda for this meeting was filed with the Office of the Lieutenant Governor, as required by Section 92-7(b), Hawaii Revised Statutes.

Date: Monday, July 13, 2017

Time: 9:00 a.m.

Place: King Kalakaua Conference Room
King Kalakaua Building
335 Merchant Street, 1st Floor
Honolulu, Hawaii 96813

Present: Roberto Yumol, Vice Chairperson, Architect Member
Demetrio Constantino, Secretary, Public Member
Alan Inaba, Land Surveyor Member
Kevin Katayama, Mechanical Engineer Member
Joel Kurokawa, Landscape Architect Member
Benedict Lee, Landscape Architect Member
Joyce Noe, Architect Member
Ken Ota, Public Member
Clayton Pang, Electrical Engineer Member
Marc Ventura, Architect Member
Shari Wong, Esq., Deputy Attorney General
James Kobashigawa, Executive Officer
Sandra Matsushima, Executive Officer
Terry Akasaka-Toyama, Secretary

Excused: Ron Iwamoto, Chairperson, Structural Engineer Member
Richard Suzuki, Civil Engineer Member

Call to Order: There being a quorum present, the meeting was called to order at 9:02 a.m. by Vice Chair Yumol.

At this time, Vice Chair Yumol asked for the Board to observe a moment of silence in remembrance of Deputy Attorney General Rodney Tam who passed away on July 4, 2017.

Agenda: Additions and Revisions: None.

Approval of Minutes: It was moved by Mr. Inaba, seconded by Mr. Pang, and unanimously carried to approve the June 8, 2017 Board meeting minutes with the following correction:

- Under Applications, *Professional Land Surveyor Committee Recommendations*, the application for Yen Wen Fang should be deferred and not approved.

Ms. Noe also wanted to amend the minutes with regards to the *Report on May 18, 2017 Architect Licensing Advisors Webinar* under the Architects Report to say that graduates from the UH School of Architecture Doctorate Program had participated in the webinar.

It was moved by Ms. Noe, seconded by Mr. Ventura, and unanimously carried to approve the additional correction to the June 8, 2017 minutes.

Chapter 91, HRS,
Adjudicatory
Matters:

At 9:12 a.m., Vice Chair Yumol recessed the Board's meeting to discuss the following adjudicatory matter pursuant to Chapter 91, HRS:

- a. In the Matter of the Architect's License of Stuart M. Alderman – Settlement Agreement Prior to Filing of Petition for Disciplinary Action and Board's Final Order

It was moved by Mr. Pang, seconded by Mr. Kurokawa, and unanimously carried to approve the above settlement agreement.

- b. In the Matter of the License to Practice Architecture of Stephen L. Lippert – Settlement Agreement Prior to Filing of Petition for Disciplinary Action and Board's Final Order

It was moved by Mr. Inaba, seconded by Mr. Pang, and unanimously carried to approve the above settlement agreement.

At 9:17 a.m., the Board came out of Chapter 91, HRS, and returned to its regular order of business.

Applications:

- a. Ratifications

It was moved by Mr. Ota, seconded by Mr. Constantino, and unanimously carried to ratify approval of the following:

APPROVED STRUCTURAL ENGINEER BY ENDORSEMENT

- BROWNE, Michael

- b. Professional Engineer Committee Recommendations

Mr. Katayama presented the PROFESSIONAL ENGINEER COMMITTEE REPORT and recommended action as follows:

APPROVE CIVIL ENGINEER BY ENDORSEMENT

- ANDERSON, Robert
- ESAKI, Stephen
- GUNDERSON, Chad
- LEWIS, Andrew
- RENZ, William
- SFERRA, Leonardo
- SHAW, John
- SOUTHORN, Richard
- WEAVER, Shannon

APPROVE ELECTRICAL ENGINEER BY ENDORSEMENT

- ALLISON, Chris
- BOYER, Eric
- COX, Jacob
- DIEDIKER, Ryan
- HINCKLEY, David
- RODRIGUEZ, Samuel
- TODD, Christian
- WILSON, Dale

APPROVE MECHANICAL ENGINEER BY ENDORSEMENT

- ALBRIGHT, Christopher
- BARTLETT, Joel
- ERWIN, Bill Jr.
- HO, Nathan
- HULTZ, Richard
- KARIMZADEH, Nasser
- NELSON, Norman
- PRATT, Russell
- SAEDLER, Paul

APPROVE STRUCTURAL ENGINEER BY ENDORSEMENT

- CLOUGH, Adam
- COLLINS, David
- HARLEY, Amber
- HEMANN, Michael
- HINES, Chad
- HOLLINGER, David
- McKEY, Curtis
- MEJORADO, Aaron
- NASH, Clinton
- ORTIZ, Carlos

- PANDYA, Sanjay
- WAH, Dale

APPROVE ENGINEER BY EXAM (PE)

- BAJAJ, Brian (SE)
- GONZALES, Ernesto III (CE)
- GOYA, Cori (EE)
- GROVES, Nicholas (SE)
- HAAE, Glenn (CE)
- HARADA, Bryce (CE)
- HAYASHI, Isaac (CE)
- HIRONAKA, Oren (CE)
- HYMES, Charles (CE)
- ICHIKAWA, Daniel (CE)
- KITASHIRO, Kelsie (CE)
- KIYONAGA, Sage (CE)
- KOHATSU, Ryan (ME)
- KOHLER, Leif (CE)
- LEE, Nicole (EE)
- LUKE, Cristina (CE)
- MIYAMOTO, Adam (EE)
- MIYASHIRO, Keith (CE)
- MOLINA, Lauren (CE)
- ONO, Christopher (ME)
- PASCUAL, Nicholas (CE)
- POBUK, John (EE)
- RAYAPEDDI KUMAR, Jayanth (CE)
- SEBASTIAN, Janelle (CE)
- SIU HO, Abel (ME)

APPROVE ENGINEER BY EXAM (FE)

- HYMES, Charles
- KOHLER, Leif
- LEE, Nicole

DEFER CIVIL ENGINEER BY ENDORSEMENT

- BEDAIR, Hatem
- DILLEN, Sean
- FORISH, Joseph
- OZAWA, Russell
- VAN GERVE, Donald
- VERMAAS, Garry
- ZABILANSKY, Scott

DEFER ELECTRICAL ENGINEER BY ENDORSEMENT

- DIAZ, Ricardo
- HULTQUIST, Joseph
- HUMPHREY, Andrew
- LADERMAN, Marc
- PENSO, Joshua

DEFER MECHANICAL ENGINEER BY ENDORSEMENT

- ZAPPONE, Michael

DEFER STRUCTURAL ENGINEER BY ENDORSEMENT

- LEDY, Jeffrey
- STANSBURY, Michael

DEFER ENGINEER BY EXAM (PE)

- ABUTIN, Joshua (CE)
- BRIECK, Daniel (CE)
- KINI, Raviraj (CE)
- NISHIMURA, Gavin (CE)
- TANIGAWA, Daniel (CE)

DEFER ENGINEER BY EXAM (FE)

- NISHIMURA, Gavin

DENY CIVIL ENGINEER BY ENDORSEMENT

- BEAVER, Blake
- DEXTER, Ryan

DENY ELECTRICAL ENGINEER BY ENDORSEMENT

- TORRES, Roberto

DENY WAIVER OF FE EXAM

- JOSHI, Saroj

It was moved by Mr. Pang, seconded by Mr. Inaba, and
unanimously carried to accept the PROFESSIONAL ENGINEER
COMMITTEE REPORT.

c. Professional Architect Committee Recommendations

Ms. Noe presented the PROFESSIONAL ARCHITECT COMMITTEE REPORT and recommended action as follows:

APPROVE ARCHITECT BY ENDORSEMENT

- BROADBENT, Scott
- CAVIN, Seth
- FELDMAN, Jonathan
- GOODWIN, Andrew
- GROSS, Kurt
- HAIM, Jason
- HAUG, Jennifer
- JONIHAKIS, Nick
- JORDAN, Bruce
- LABETH, Michael
- MALUDY, Danielle
- MARES, John
- PHASSOS, Gregory
- RENSING, Thomas
- SANCHEZ, Cheryl
- THORNLEY, Douglas
- VETTER, Steven

APPROVE ARCHITECT BY EXAM

- AGARAN, Mark
- BOYER, Ashley
- CAMERON, Vanessa
- HART, Shannon

DENY ARCHITECT BY ENDORSEMENT

- CHERNOFF, Russell

It was moved by Mr. Pang, seconded by Mr. Inaba, and unanimously carried to accept the PROFESSIONAL ARCHITECT COMMITTEE REPORT.

d. Professional Land Surveyor Committee Recommendations

Mr. Inaba presented the PROFESSIONAL LAND SURVEYOR COMMITTEE REPORT and recommended action as follows:

APPROVE LAND SURVEYOR BY ENDORSEMENT

- HOWARD, Brian (state-constructed exam)

APPROVE LAND SURVEYOR BY EXAM

- MIRAN, David (FS, PS, and state-constructed exam)

DEFER LAND SURVEYOR BY EXAM

- FANG, Yen Wen (PS and state-constructed exam)

It was moved by Mr. Constantino, seconded by Mr. Inaba, and unanimously carried to accept the PROFESSIONAL LAND SURVEYOR COMMITTEE REPORT.

e. Professional Landscape Architect Committee Recommendations

Mr. Lee presented the PROFESSIONAL LANDSCAPE ARCHITECT COMMITTEE REPORT and recommended action as follows:

APPROVE LANDSCAPE ARCHITECT BY EXAM

- KATZMAN, Rachel (state-constructed exam)

It was moved by Mr. Inaba, seconded by Mr. Kurokawa, and unanimously carried to accept the PROFESSIONAL LANDSCAPE ARCHITECT COMMITTEE REPORT.

Old Business:

a. Rules Committee Report

At its June 8, 2017 meeting, the Committee discussed the definition of "supervision" in section 16-115-2, HAR, and recommended forwarding the proposed amendments in DRAFT 9. Also, after discussion, the Committee decided not to add provisions related to the NCARB AXP program to the definition of "supervision" as that definition is only pertinent to the AXP Program.

Regarding section 16-115-9, HAR, related to stamping of plans and digital signatures, the Committee recommended the proposed amendments in DRAFT 9.

Regarding last month's discussion on the current wall certificates for engineers, Ms. Matsushima explained that any changes made would also have an effect on the certificates for architects,

surveyors, and landscape architects. Mr. Kobashigawa added that the pocket I.D. card indicates the discipline of engineering of the licensee, so it would not be necessary to indicate the discipline of engineering on the certificate. Moreover, if the discipline of engineering was indicated on the certificate, a new certificate would need to be made to add the discipline of engineering.

After discussion, the Committee decided to table this matter.

During today's Committee meeting, the definition of environmental engineer was discussed. The Committee agreed with the verbiage used in the first two paragraphs of the Wikipedia definition for environmental engineer which will be discussed by the Board at the next Board meeting.

Also discussed was licensure by endorsement for engineers as some do not qualify for licensure although having been licensed in another state for many years. This matter will be discussed at the next Board meeting as well.

It was moved by Mr. Ota, seconded by Mr. Pang, and unanimously carried to approve the June 8, 2017 Rules Committee meeting minutes as distributed.

New Business:

a. Professional Engineers Report

- Matters Related to the National Council of Examiners for Engineering and Surveying ("NCEES")

- ✓ 96th NCEES Annual Meeting, August 23-26, 2017

This meeting will be held in Miami Beach, FL, and will be attended by Mr. Katayama, Mr. Suzuki, and Ms. Matsushima.

- ✓ Request for Nomination of Ms. Shelley Macy, PE, MBA, as NCEES Treasurer

Ms. Krista Wilson, Assistant Executive Director of the Wyoming State Board of Professional Engineers and Professional Land Surveyors requested the Board's support for Ms. Shelley Macy who is running for NCEES Treasurer. Besides having a Bachelor of Science degree in Mechanical Engineering with a cross-college in Applied Mathematics and a Master's degree in Business

Administration, Ms. Macy currently serves as Treasurer for the Wyoming Board.

This matter was for the Board's information only.

✓ Release of Structural Engineering Exam Results

The structural engineering exam results from the April 2017 administration were released to the candidates on June 13, 2017.

✓ Licensure Exchange Newsletter (June 2017)

- * At the 2017 Annual Meeting, the Committee on Education will present Motion 1 to amend Position Statement ("PS") 35 to include a fifth practice-oriented pathway (Option E). PS 35 is the Future Education Requirements for Engineering Licensure, which outlines four academic-based pathways for meeting future education requirements starting with a bachelor's degree in engineering plus additional university education.

Option E will give applicants a pathway to licensure that does not rely solely on academic institutions, particularly for highly specialized disciplines where there are high-quality, relevant, and practice-oriented education programs.

As proposed, Option E would require 80 assessed learning days ("ALDs") in areas germane to professional practice and at least 40 ALDs to be earned through technical engineering coursework. ALDs can be earned from one or more of the following types of courses:

- University courses;
- Industrial in-hour specialty courses;
- Short courses and certification courses offered by professional and technical societies; or
- Other courses meeting standards to be developed by NCEES.

- * For the past two years, NCEES Member Boards have considered the position of structural engineering ("SE") in the Model Law. Issues concerning separate licensing of SEs relate to a small number of member boards. Ten jurisdictions currently require that certain types of structures be designed by licensed SEs. Hawaii and Illinois require that all structures be designed by a SE, Alaska, Oregon, Utah, and Washington limit the types of buildings requiring SE design to *significant structures*. California, Guam, Nevada, and the Northern Mariana Islands limit it to structures that are specifically defined in law without using the term *significant structures*. The expression *significant structures* showed up in Oregon law in 1999 when Oregon decided that certain classes of structures needed to be designed by SEs. The use of the term *significant structures* continued with Washington's change of law in 2007, Utah in 2008, and Alaska in 2016.

Legislation describing or expanding the types of buildings that would be required to be designed by SEs is currently under development in a number of other states, and in some cases the term *significant structures* is being considered.

Most of the structures defined as a *significant structure* fall into several categories: 1) structures in Risk Categories III and IV, 2) structures over a specified height, or 3) structures over a specified size or complexity. In addition to the types of buildings, many jurisdictions also have height limitations, above which buildings that are normally occupied by humans (regardless of type or class) need to be designed by an SE. Washington and Alaska also require bridges with a total span of more than 200 feet and piers having an area of more than 10,000 square feet to be designed by licensed SEs.

Most of the jurisdictions that restrict the design of designated structures to SEs are in high seismic and/or high wind areas. However, based on the recent revisions to the IBC, there are areas in nearly all states, depending on the nature of the soils and the new U.S. Geological Survey seismic maps, where seismic forces can govern the design.

✓ Planning for 2018 Western Zone Meeting

Ms. Matsushima reported that a tentative meeting with the staff of the Modern Hotel was scheduled for the end of the month to go over planning for next year's Western Zone Meeting.

b. Architects Report

• Matters Related to the National Council of Architectural Registration Boards ("NCARB")

✓ Report on 2017 NCARB Annual Business Meeting

This meeting was held in Boston, MA and attended by Ms. Noe, Mr. Kobashigawa, and Mr. Ventura. Below are highlights from Mr. Ventura's report:

- * CEO Michael Armstrong talked about the current regulatory environment and the potential deregulation of the industry. He announced that NCARB will be expanding its support for Member Boards to advocate for the reasonable regulation of architecture.
- * *Shaping NCARB's Strategy Workshop* refreshed on NCARB's new strategic plan, looking towards new or renewed goals, helped shape the future of NCARB's member board support.
- * The *Blue-Sky Perspectives on Certification Workshop* was an interactive session going over expanding opportunities for certificate holders, streamlining the certification process and reducing barriers for reciprocal licensure. An idea discussed was if NCARB expanded the direct registration for the Architect Registration Examination ("ARE") where a candidate didn't need to identify a jurisdiction before allowed to take the exam as part of an enhanced service to its Member Boards. However, for the Board to be able to accept this would require a rule change.

Through the Blue-Sky process, it allowed for a quick way to get feedback from Member Board Members to try and identify and flush out issues and concerns.

- * In the Investigation Best Practices Workshop, the speakers were board members and staff from states where it is common practice for the board to conduct their own complaint, investigation, discipline and settlement internally.
- * The *Making Education Count Workshop* delved into the importance of the link between the profession and education and the vital factors to consider when making licensing decisions.

The National Architectural Accrediting Board ("NAAB") accreditation process was explained in detail where they spend four days auditing the program and rating them based upon the level of deficiencies within the program. Candidates from NAAB accredited programs statistically have higher success rates in the ARE and a shorter over all path to licensure.

- * The *Opportunities in the New Regulatory Environment Workshop* explored the successful strategies, proactive techniques and best practices in moving forward for the licensing boards to reach out and build relationships with relevant stakeholders such as the local legislature or the general public.
- * Ms. Noe, along with another architect and two architect students representing American Institute of Architecture Students ("AIAS"), presented to the delegation two projects from the Freedom by Design Program which is a community service partnership with AIAS and NCARB. Through mentorship, students are encouraged to serve their communities by addressing issues with both design build and engagement solutions while receiving experience by working with clients, local architects and contractors.

The University of Hawaii, School of Architecture received a grant from this program for their project Garden of Hope which Hokulani Elementary was selected as the recipient. NCARB would like to put together a video to promote the Freedom by Design program and eventually expand to other social media.

- * During the Region 6 meeting, the group discussed finding ways to increase the value of NCARB certification as not many board members hold an NCARB Certificate.

The group also discussed the Arizona board's question on whether or not regional membership should be required given the heightened state of the regulatory environment and the challenges many boards are dealing with legislative fiscal agendas.

- * NCARB's centennial celebration will be in two years in Washington, D.C.
- ✓ Press Release on Diversity Increases Among Emerging Professionals

Licensure candidates and new architects are more diverse than ever before according to new data from the 2017 edition of *NCARB by the Numbers*. For the first time since NCARB began collecting demographics data, gender equity improved along every career stage-including gaining professional knowledge through the Architectural Experience Program ("AXP"), starting ARE, and earning a license. In 2016, women accounted for 47% of new AXP participants, 42% of new ARE candidates, and 36% of newly licensed architects, compared to 34% in the previous year. Racial and ethnic diversity are also increasing among licensure candidates. In 2016, 42% of new AXP participants and 30% of new ARE candidates identified as non-white, up 3% for both groups.

- ✓ Press Release on Number of Architects in U.S.

According to a 2016 survey of NCARB Member Boards, which include the 50 states, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands, there are 109,748 architects in the U.S. While this represents a minimal drop of 0.4 percent from the previous year, the survey also reveals that architects increasingly hold licenses in multiple states.

The pool of emerging professionals working toward licensure amounted to more than 41,400 candidates taking the ARE and/or reporting experience hours through the AXP.

✓ Discussion on Proposed AIA Intern Titles

The American Institute of Architects ("AIA") recently issued a position statement redefining the term "intern". The statement also recommended two new titles for unlicensed employees working in an architecture firm: "architectural associate" or "design professional". After reviewing the AIA's position with the member boards, the survey found that in 46 U.S. jurisdictions, the use of the term "architectural associate" is prohibited and in 26 jurisdictions, the term "design professional" may be an issue.

Removing the term "intern" has been an ongoing discussion in the architecture community. In May 2015, NCARB announced its decision to stop using the term, acknowledging professional titling to be at the discretion of each jurisdiction. However, replacing the term is a much more complex task that ultimately relies on what is allowed by each State board. Regulation often limits the use of the term "architect" and its derivatives to individuals who are licensed.

✓ Katrina Humphrey – NCARB Customer Relations Direct Contact to Hawaii Board

Ms. Humphrey will be the Board's dedicated NCARB Customer Relations resource for escalated inquiries to provide timely and responsive service as needed.

✓ NCARB by the Numbers

The 2017 issue of NCARB by the Numbers was circulated to the members for their information.

c. Surveyors Report

• Discussion on CPR Certification by Surveyor

A question was raised whether an engineer can do a Condominium Property Regime ("CPR") certification report that may indicate locations and boundaries. In the real estate statutes, it indicates that an engineer, architect or surveyor can do a CPR certification report.

By consensus of the Board, a CPR certification report can be done by either an architect, engineer or land surveyor.

d. Landscape Architects Report

- Matters Related to the Council of Landscape Architectural Registration Boards ("CLARB")
 - ✓ Report on CLARB Webinar – Expanding our Reach: Educating Students on the Path to Licensure

Mr. Kurokawa participated in the webinar and reported on the following:

Over the past year CLARB has been working to close the licensure knowledge gap among students by: 1) building greater awareness of CLARB and the licensure process; 2) encouraging earlier testing of the L.A.R.E.; and 3) increasing relevancy of CLARB's message and how this message is distributed. To do this CLARB is working with Katie Brown, a recent graduate with a Bachelor of Landscape Architecture from the University of Guelph and a current master's degree candidate in Urban Design at the University of Toronto. She is conducting research and student outreach using mobile technology to spread the message on social media through Instagram, Facebook and Twitter and bi-annual emails sent to landscape architecture programs throughout Canada and the U.S. to better understand the factors that influence student success in passing sections 1 and 2 of the L.A.R.E. while taken in college. Surveys of those who have taken section 1 of the L.A.R.E. show that most wait an average of 3-5 years after graduating before they start taking the L.A.R.E.

The University of Guelph offers a 4-week introductory course titled "Navigating the Path to Licensure" to third and fourth year undergraduate and first and second year graduate degree students. The course provides an introduction to CLARB and state licensing boards, the importance of licensure and establishing a CLARB Council Record, available L.A.R.E. study materials, and mentorship. Students participating in the course and who take the sections 1 and 2 of the L.A.R.E. will be monitored.

The results of Ms. Brown's two-year academic research project will be announced at the 2018 CLARB Annual Meeting in Toronto, Ontario.

- ✓ 2017 CLARB Annual Meeting, September 14-16, 2017

Mr. Kurokawa will be attending this meeting as the Board's delegate, which is being held in Boise, Idaho.

- ✓ Slate of Candidates: 2017 Board of Directors and Committee on Nominations Members

The Committee on Nominations announced the candidates for the Board of Directors and Committee on Nominations elections. Of those running for office is Mr. Kurokawa for Region 5 Director. His opponent is Ms. Deborah Peters who is the Chairperson for the Washington Board of Licensure for Landscape Architects.

- ✓ Discussion on CLARB Revised Model Language

Revisions were made to meet the following objectives established by the CLARB Board of Directors and are in response to the needs of the membership:

- * Support regulation of the full scope of landscape architectural practice;
- * Reflect best practices in regulation and the evolving legal environment;
- * Achieve balance between public protection and access to licensure;
- * Encourage uniformity to promote professional mobility;
- * Maintain appropriate board authority to ensure public protection; and
- * Streamline licensure to create a more frictionless experience.

After a brief discussion, it was moved by Mr. Ventura, seconded by Mr. Ota, and unanimously carried to support the revisions to CLARB's Model Law.

Executive
Officer's Report:

a. Statistics on April 2017 Structural Engineering Examinations

	<u>Lateral Forces</u>	<u>Vertical Forces</u>
Number of Candidates:	12	12
Number Passed:	4	5

b. Department of Commerce and Consumer Affairs ("DCCA")
Disciplinary Actions through May 2017

This list was circulated to the members for their information.

Public Comment:

None.

Next Meeting:

Monday, August 10, 2017
9:00 a.m.
King Kalakaua Conference Room
King Kalakaua Building
335 Merchant Street, 1st Floor
Honolulu, Hawaii 96813

Adjournment: The meeting was adjourned at 10:20 a.m.

Taken and recorded by:

/s/ Terry Akasaka-Toyama

Terry Akasaka-Toyama
Secretary

Reviewed and approved by:

/s/ James Kobashigawa

James Kobashigawa
Executive Officer

7/31/17

Minutes approved as is.

Minutes approved with changes; see minutes _____.