TECHNICAL COMMITTEE PRESENTATIONS

January 13, 2021
WELCOME!

• Submit your text questions and comments via chat
• Submitted questions will be addressed after all committee chairs have presented
• The live Q&A will end when all submitted questions are addressed but no later than 1 p.m. PT.
• Any remaining questions will be addressed via email (office@seaonc.org) after the event.
AGENDA:

1. Existing Buildings Committee
2. Construction Quality Assurance Committee
3. Disaster Emergency Services
4. Code Committee
5. Resilience Committee
6. Professional Practices Committee
7. Sustainable Design Committee
8. Seismology Committee
EXISTING BUILDINGS COMMITTEE
ROBERT KRAUS, CHAIR

Committee Presentations
January 13, 2021
COMMITTEE FACTS

• **Meetings:** Last Monday, 5:30 – 7:00 PM

• **Number of Committee Members:** 20 – 30 per meeting (300+ email list)

• **Average Hours per Month Commitment:** 1.5 hours to...

• The committee for all things retrofit, alteration, and repair
EXAMPLES OF COMMITTEE’S WORK

Non-Ductile Concrete Building Inventory

2021 IEBC A-Chapter Commentaries

CHAPTER A2 – EARTHQUAKE HAZARD REDUCTION IN EXISTING REINFORCED CONCRETE AND REINFORCED MASONRY WALL BUILDINGS WITH FLEXIBLE DIAPHRAGMS

CHAPTER A4
EARTHQUAKE RISK REDUCTION IN WOOD-FRAME RESIDENTIAL BUILDINGS WITH SOFT, WEAK OR OPEN FRONT WALLS
COMMITTEE CHARGES FOR 2020-2021

• Local news and ordinances
• Technical presentations
• Subcommittee work
  • NDC / PNMF Buildings
  • Code Commentaries
  • IEBC change proposals/papers
EXCITING NEW INITIATIVES

• ~Bi-monthly technical presentations

• City NDC/PNMF advisory committee

• IEBC/CEBC code change proposals
GET INVOLVED?  CONTACT US:

Committee Leadership:

• **Past Chair:** Keith Palmer (SGH)
• **Current Chair:** Robert Kraus (WJE)
• **Vice Chair:** Christian Botto (ZFA)

• For more details, or to join the EBC, please email [rkraus@wijie.com](mailto:rkraus@wijie.com)
CONSTRUCTION QUALITY ASSURANCE COMMITTEE
“CQA”

ART DELL, CHAIR

Committee Presentations
January 13, 2021
BUT – CONSTRUCTION QUALITY STARTS WITH:

THE OWNER…

THE CONTRACTOR…

THE ENGINEER…

THE DESIGN

THE SPECS

THE STATEMENT OF SPECIAL INSPECTIONS

STRUCTURAL OBSERVATION
CQA FACTS

• ZOOM MEETINGS
• 3RD TUESDAYS 5:30 PM

• WE ARE:
  • DESIGN ENGINEERS
  • TESTING LAB ENGINEERS
  • PRODUCT REP ENGINEERS
  • PUMPKIN CARVING JUDGES
GUIDELINES FOR SPECIAL INSPECTION AND STRUCTURAL OBSERVATION
In Accordance with the 2016 CBC

Prepared by
SEAONC Construction Quality Assurance Committee
2019
CQA CHARGES FOR 2020-2021

2019 CBC SUPPLEMENTS FOR:
THE SPECIAL INSPECTION GUIDELINES
THE WOOD GUIDELINES

CODE CHANGES
FAQ’S

CQA - FAQ

FAQ 10.007
PROOF LOAD TESTING OF POST-INSTALLED CONCRETE ANCHORS

So, the answer to the first question is no, there generally is no requirement for proof load testing in the building code or in the reference standards.

However, in construction regulated by the Division of the State Architect (DSA) or the Office of Statewide Health Planning and Development (OSHPD) anchor installation is required to be verified by a tension or torque testing program (torque testing is
WE WANT YOU
WANT TO MAKE A DIFFERENCE IN YOUR PROJECTS?
WANT TO LEARN MORE?

CONTACT ME:
ART DELL, PE
SOHA ENGINEERS
ODELL@SOHA.COM
415 810 7277 (MOBILE)
COMMITTEE FACTS

• Meetings: Every 2\textsuperscript{nd} Tuesdays of the month at 5:30-6:30pm
  \text{https://global.gotomeeting.com/join/348107437}

• Number of Committee Members: 10 active members

• Average Hours per Month Commitment:
  - Apprx. 8-10 hours for chairs
  - Apprx. 2-4 hours for members
COMMITTEE CHARGES FOR 2020-2021

The DES Committee was developed to assist local communities in coping with disasters

The committee focuses are:

✔ Volunteer Reserve Corps
✔ Building Occupancy Resumption Program (BORP)
✔ Urban Search and Rescue (USAR)
✔ Organizational Liaison
✔ ATC-20 Training Seminar

DES Committee
EXAMPLES OF COMMITTEE’S WORK

• First Virtual SAP Training

• Reserve Corp Deployments

SAP Deployment Volunteer Availability (Napa - October 2020)
Cal OES has requested 6 SAP Fire Evaluators to be deployed to Napa County Fire.
EXAMPLES OF COMMITTEE’S WORK

- Assist San Francisco in their *Building Occupancy Resumption Program (BORP)*
- Support Urban Search & Rescue Task Forces

DES Committee
EXCITING NEW INITIATIVES

- Bridging the gap between USAR and DES
- Expanding DES mission to incorporate response to fires
- SEAONC Disaster Response Plan
GET INVOLVED? CONTACT US:

Current Chairs:
Molly Seto molly.seto@kpff.com
Stefanie Rae Arizabal stefanie.rae.arizabal@holmesstructures.com

Committee Email:
des@seaonc.org

DES Committee
CODE COMMITTEE
ALAN ROBINSON, CHAIR

Committee Presentations
January 13, 2021
COMMITTEE VITAL STATISTICS

• Meetings – Based on schedule of Standards and Codes
  Currently none scheduled

• Membership small but growing

• Average Hours per Month Commitment –
  Varies based on interest

• We want to make the Code and Standard development process easy to understand and get involved.
Members have worked on development of:

- ASCE 7
- ACI 318
- TMS 402
- IBC
- CBC
COMMITTEE CHARGES FOR 2020-2021:

- Public Comment Periods
  - ASCE 7
  - TMS 402
- Preliminary Code Changes
  - IBC
  - IRC
Drive to better understand the Code Development Process
  • Meetings to discuss process

Provide opportunities for members to be able to get involved
  • Introduction to current members of Committees
  • Materials Standards
  • Building Codes
How People Can Reach Me?

 Alan Robinson, Chair
code@seaonc.org
arobinson@trseinc.com
RESILIENCE COMMITTEE
MELISSA MEIKLE, CHAIR

Committee Presentations
January 13, 2021
COMMITTEE FACTS

• Meetings – 2\textsuperscript{nd} Wednesdays of the month (January 13\textsuperscript{th} @ 5:30 pm)

• Number of Committee Members – 67

• Average Hours per Month Commitment – Couple of hours
EXAMPLES OF PAST COMMITTEE’S WORK

• Review other organizations’ Resilience Frameworks – USGBC RELi system and Alliance for National and Community Resilience (ANCR)

• Collaborate with other SEAONC committees – SF Tall Building Presentation

• Contribute to local presentation

• Maintain liaisons to SEAOC and NCSEA Resilience Committee
EXAMPLES OF CURRENT/FUTURE COMMITTEE’S WORK

• Resilience Topics
  • Multi-hazard
  • Local resilience policy and planning
  • Technical side (e.g. P58 studies and functional recovery)
EXCITING CHARGES FOR 2021

Publications for the following working groups:

• Wildfires
• Resilience Based Inventory
• Technical Topics Road Map and Collaborative with Seismology Committee

Articles to highlight earthquake anniversaries:

• 1971 San Fernando Earthquake
GET INVOLVED? CONTACT US:

• Past Chair – Jonathan Buckalew
• Current Chair – Melissa Meikle
• Vice Chair – Jakub Valigura
• Contact Information:
  • resilience@seaonc.org
  • melissa.m.meikle@gmail.com
COMMITTEE FACTS

• Meet the 1st Monday evening of each month (except if a holiday)

• 6 current committee members

• 90-minute meeting once per month plus around 1-hour per week of research and writing
EXAMPLES OF COMMITTEE’S WORK

• Guideline for the use of Geotechnical Reports
• Recommended contract language for soft story retrofit projects
• Contributed to the ordinance development for the Earthquake Evaluation of San Francisco Private Schools
• Provided review and commentary for the California Earthquake Authority’s revision to the Dwelling Retrofit Verification form
• Contributed to sections of SEAOC’s Recommended Guidelines for the Practice of Structural Engineering in California
COMMITTEE CHARGES FOR 2020-2021

• Assist DBI update their Special Inspection and Structural Observation program and policies.

• Monitor and provide feedback for proposed local building code amendments.

• Review and make recommendations for limitation of liability, indemnification, and other risk related contract provisions.
GET INVOLVED? CONTACT US:

- David Kane, Chair  
  dkane@hk-se.com
- Mark Gilligan, Vice Chair  
  mark.gilligan@sbcglobal.net

- Encourage principals and other executives of structural engineering firms to regularly attend the PPC meetings

- Encourage participation by structural engineers who are at the mid or starting point of their career and have a desire to own or lead a firm in the future.
SUSTAINABLE DESIGN COMMITTEE
GINA KOPE & NICK MILEY, CO-CHAIRS

Committee Presentations
January 13, 2021
COMMITTEE FACTS

• **Meetings** – Last Wednesday of every month! 12p-1p, via Teams Link (virtual)

• **# of Committee Members** – 10 active

• **Ave. hrs/mo Commitment** – Up to you, the more you put in the more you get out! 😊
EXAMPLES OF COMMITTEE’S WORK

• Conducted research using LCA on Concrete Mix Designs in California

• Provided data to support developments within the Bay Area Low Carbon Concrete Code

• Developing guidelines for Specifying Sustainable Concrete in General Notes
COMMITTEE CHARGES FOR 2020-2021

• Provide a forum to develop, disseminate and share ideas and information

• Collaborate across committees & other sustainable design organizations outside of SEAOC.

• Support the judicious implementation of sustainable design in the build environment
EXCITING NEW INITIATIVES

• **SE2050** is live, and we are here to help! We are finding creative ways to educate our audience so more SE firms commit to net zero embodied carbon by 2050.

• Guest speakers to join our meetings this year, starting with Annie Perkins from SFI in February!
GET INVOLVED? CONTACT US:

• Current Co-Chairs:
  • Gina Kope: Gina.Kope@holmesstructures.com
  • Nicolas Miley: Nicolas.miley@kpff.com

• Past Chair / Resources:
  • Megan Stringer: megan.stringer@holmesstructures.com

• Join our committee by reaching out to our SDC email!
  • sustainable@seaonc.org
MEETINGS

Last Tuesday of a Month at 5:30
Zoom

• Technical presentations
• Code provisions/research discussions
• Concrete
• Ductile Coupled Shear Walls
• Steel
• Two-Way Moment Frames
• TBD for 2021
• Wood
• CLT Diaphragms
• Ground Motions
• TBD for 2021

SUBCOMMITTEES
SEAONC UNIVERSITY RESEARCH PROGRAM

• Retrofit of Column Splices of Existing Steel Buildings
• Ground Motion Matching Study
• Seismic Detailing of Gravity System and Diaphragms in Podium Structures
• Distressed Transformer Anchorage
GET INVOLVED? CONTACT US:

• Chair: Jakub Valigura
• Vice-Chair: Rahul Sharma
• Past Chairs: Chris Tung and Andrew Salber

• Email: seismology@seaonc.org
QUESTIONS???

For any additional questions, email office@seaonc.org

Visit https://www.seaonc.org/

January 13, 2021
UPCOMING EVENTS

January 20 – Engagement Committee Presentations

January 27 – SEAONC Board Town Hall

January 13, 2021