

OSHPD Office of Statewide Health Planning and Development

Hospital Building Safety Board

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www.oshpd.ca.gov/Boards/HBSB/index.html



***** SPECIAL NOTICE *****

Because of the COVID-19 emergency, this meeting will only be held by teleconference. Committee members and members of the public may fully participate from their own locations.

NOTICE OF PUBLIC MEETING

HOSPITAL BUILDING SAFETY BOARD
Structural and Nonstructural Regulations Committee

Date:

Wednesday, March 24, 2021
9:00 a.m. – 3:00 p.m.

Teleconference Meeting Access:

[HBSB GoToMeeting SNSR Committee](#)

Access Code: 995-836-517

For more detailed instructions on how to join via GoToMeeting, see page 3.

Committee Members:

Rami Elhassan, Chair; Jim Malley, Vice-Chair; Bruce Clark; Mike Hooper;
David Khorram; Marshall Lew; Michelle Malone*; Michael O'Connor;
Jennifer Thornburg

OSHPD Staff:

Joe LaBrie; Roy Lobo; David Neou; Carl Scheuerman; Jamie Schnick; Ali Sumer

OSHPD Director:

Elizabeth Landsberg

FDD Deputy Director:

Paul Coleman

Executive Director:

Ken Yu

*Consulting Member

AGENDA

1. Welcome and Introductions

Facilitator: Rami Elhassan, Committee Chair (or designee)

2. Review and approve the [January 27, 2021 draft meeting report/minutes](#)

Facilitator: Rami Elhassan, Committee Chair (or designee)

- Discussion and public input

3. Proposed amendments to the 2022 California Building Code, Title 24, Part 2

Facilitators: Roy Lobo, Chris Tokas, OSHPD (or designee)

- Possible revisions to Chapters 16A, 17A, 18A, 19A, 21A, 22A and 23A to coordinate with the California Division of the State Architect proposed amendments
- Discussion and public input

4. Proposed amendments to the 2022 California Building Code, Title 24, Part 10

Facilitator: Roy Lobo, OSHPD (or designee)

- Proposed adoption of ASCE 41 Supplement 1 for non SPC-4D buildings
- Discussion and public input

5. Comments from the Public/Committee Members on issues not on this agenda

Facilitator: Rami Elhassan, Committee Chair (or designee)

The Committee will receive comments from the Public/Committee Members. Matters raised at this time may be taken under consideration for placement on a subsequent agenda.

The Committee may take action under any agenda item. Every effort will be made to address each agenda item as listed. However, the agenda order is tentative and subject to change without prior notice. A 30 to 60-minute lunch may be taken some time during the day. This agenda and other notices about meetings are posted on the Internet at <https://oshpd.ca.gov/public-meetings/hbsb/>.

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Tentative schedule of future Structural and Nonstructural Regulations Committee meetings:

- June 30, 2021
 - September 29, 2021
-

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For best results, please use Google Chrome or Mozilla Firefox browsers to join meeting.

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 - Dial: +1 (669) 224-3412 (United States)
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**HOSPITAL BUILDING SAFETY BOARD
Structural and Nonstructural Regulations Committee**

**Wednesday, January 27, 2021
9:00 a.m. – 3:00 p.m.**

Teleconference Meeting Access:
HBSB GoToMeeting SNSR Committee:
Access Code: 250-144-469

Committee Members Present:

Rami Elhassan, Chair
Jim Malley, Vice-Chair
Bruce Clark
Mike Hooper
David Khorram
Marshall Lew
Michael O'Connor
Jennifer Thornburg

Consulting Members:

Michelle Malone

HBSB Staff:

Ken Yu, Executive Director
Evelt Torres

OSHPD Staff:

Chris Tokas, FDD Deputy Division Chief
Carl Scheuerman, FDD Deputy Division Chief
Mohammad Aliaari
Hussain Bhatia
Joe LaBrie
Roy Lobo
David Neou
James Pan
Richard Tannahill
Diana Scatturo
Jamie Schnick
Ali Sumer
James Yi, OSHPD Legal Counsel

1 **1. Welcome and Introductions**

2 Rami Elhassan, Chair, called the meeting to order. The Committee members and Office of
3 Statewide Health Planning and Development (OSHPD) staff introduced themselves. A quorum
4 was present.

5 Mr. Yu read the public announcement regarding COVID-19, meeting rules, and procedures.

6 Chair Elhassan announced that Item 3 would be heard first.

1 **2. Policy Intent Notice (PIN) 68 – Support and Attachment Requirements for Fixed,**
2 **Interim, Mobile, Movable, Other and Temporary Equipment**

- 3 • Incorporation of wall/ceiling hung equipment.

4 **Presenter:** Ali Sumer, OSHPD

5 **Discussion and public input**

6 **Action Item**

- 7 • None.

8 **3. Proposed amendments to the 2022 California Building Code, Title 24, Parts 1 and 2**

- 9 • Modify ASCE 7-16 Section 11.4.8 site response analysis exceptions, to include supplement
10 3.
11 • Permit use of the multi-period spectrum in the ASCE7-22 as an alternative to the response
12 spectrum in ASCE7-16.
13 • Clarify exemption language for anchorage and bracing of wall/ceiling hung equipment.
14 • Revisions to Chapter 18A, Soils and Foundations, based on changes made in the 2021
15 International Building Code and coordination with the California Division of the State
16 Architect.

17 **Presenter:** Hussain Bhatia, Ali Sumer, Roy Lobo, Chris Tokas, OSHPD

18 **Discussion and public input**

19 Mr. Malley asked if the National Earthquake Hazards Reduction Program (NEHRP) provision
20 can be adopted into the California Building Code (CBC) and if there have been any substantial
21 modifications made to the NEHRP provisions. Mr. Sumer confirmed that the NEHRP provision
22 can be adopted into the CBC. Mr. Tokas noted that adoptions do not happen until the public
23 consensus process is complete. Mr. Sumer believed there are no substantial modifications, but
24 is still unsure what the American Society of Civil Engineers (ASCE) will adopt regarding
25 estimation of the shear rate velocity from the blow counts.

26 Mr. Lew asked what type of structures or period ranges would have higher demands because of
27 the proposed changes. Mr. Sumer confessed that he could not quantify his answer. He
28 mentioned that in the Bay Area there is a cluster of sites that have higher Safety Data Sheet
29 (SDS) values, but in the Central Valley the values went down.

30 Ms. Thornburg predicted that the proposal is an improvement because it allows a project team
31 to not have to do a site-specific ground motion analysis. Mr. Sumer answered in a lot of cases
32 yes, but there is an option for site-specific ground motion analysis embedded in the NEHRP
33 provisions.

34 Mr. Malley asked if any public comments were received for Supplement 2. Mr. Sumer reported
35 that the ASCE 7-22 Committee is responding to any public comments.

1 Ms. Malone reported that feedback she has received from colleagues regarding PIN 68
2 pertained to the seismic certification of the equipment. Ms. Sumer announced that seismic
3 certification is in a different chapter. The PIN does not trigger spatial seismic certification which
4 is addressed in Chapter 17A. Ms. Malone suggested referencing Chapter 17A in the PIN. Mr.
5 Sumer felt that any references to other chapters may be confusing. Mr. Tannahill agreed that
6 PIN 68 and Chapter 17A do go hand in hand, but there are very specific sections of the code
7 that discuss anchorage and seismic requirements.

8 A member of the public clarified that PIN 68 is only for hung equipment and Mr. Sumer
9 confirmed that is correct.

10 Mr. Malley put forward the following motion: The Committee approve and moves forward the
11 proposed amendments of the 2022 California Building Code Title 24 Parts 1 and 2 as discussed
12 to the Full Board for adoption.

13 **MOTION:** [Malley/Malone]

14 The Committee voted unanimously to approve and move forward the proposed amendments of
15 the 2022 California Building Code Title 24 Parts 1 and 2 as discussed to the Full Board for
16 adoption.

17 Mr. Lew asked if there is sufficient time for the Full Board to review the proposed amendments
18 before the code changes deadline. Mr. Tannahill reported that the deadline for submission is the
19 end of April of 2021 and Mr. Yu added that the next Full Board meeting is on April 22, 2021.

20 **Informational Item and Action Item**

- 21 • None.

22 **4. Proposed amendments to the 2022 California Building Code, Title 24, Part 10**

- 23 • Modify/clarify the applicability of the exemption to performing a pounding analysis in ASCE
24 41 for buildings being upgraded to SPC-4D.
- 25 • Provide alternate overturning acceptance criteria for foundations evaluated with Chapter 8 of
26 ASCE 4.

27 **Presenter:** Roy Lobo, Ali Sumer, OSHPD

28 **Discussion and public input**

29 Mr. Elhassan agreed with the height indicator but mentioned that all the damage he had
30 observed was concentrated just above the shorter building. He did not see that covered in the
31 proposed updates. Mr. Sumer disclosed that it is hard to quantify a requirement when you
32 cannot determine which building will suffer more damage. Mr. Elhassan agreed with B1 but he
33 was concerned about B2. Mr. Sumer agreed that every adjacent building case is unique. Mr.
34 Tokas explained that the code is to focus the discussion on what level of analysis is needed. Mr.
35 Lobo added that the code section is only focusing on Structural Performance Category (SPC)
36 4D Buildings.

37 Mr. Malley asked why the language in 1 was removed regarding an adjacent building being less
38 than 50 percent of the mass of the stiffer building. Mr. Sumer stated that it was removed
39 because it was not enforceable, and it was confusing.

1 Ms. Malone believed that SPC 4D is a helpful analysis for hospitals that are in distress and are
2 trying to meet seismic codes. She wanted to see the code set a minimum and not over-regulate.

3 Mr. Elhassan asked for clarification regarding the foundation modeled as non-linear. Mr. Lobo
4 explained there are two options. One option is the foundation interface model has a flexible
5 base and the springs used in that model are not compression-only springs. The other option is
6 to model it with compression-only springs which falls under the exception criteria.

7 Mr. Malley asked how the code changes mapped to the four different proposals that were
8 presented to the Committee at the October 2020 meeting. Mr. Lobo shared that the difference
9 between the two proposals is that elastic is now not allowed and compression-only springs can
10 be used.

11 Mr. Elhassan agreed that Mr. Lobo's proposed changes made sense.

12 Mr. Hooper put forward the following motion: The Committee accept the code changes and/or
13 clarifications as presented and move them forward for final approval by the full Board.

14 **MOTION:** [Hooper/Malley]

15 The Committee voted unanimously to accept the code changes and/or clarifications as
16 presented and move them forward for final approval by the full Board.

17 **Informational Item and Action Item**

- 18 • None.

19 **5. Comments from the Public/Board Members on Issues Not on This Agenda**

20 None.

21 **6. Adjournment**

22 Rami Elhassan, Chair, adjourned the meeting at approximately 11:07 a.m.