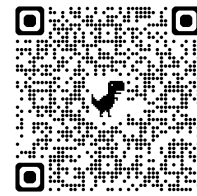


ASHRAE TC 2.7
Seismic, Wind and Flood Resistant Design
Main Committee Meeting Minutes
2025 ASHRAE Annual Conference
Hybrid Meeting

Tuesday 6/24/2025, 3:30 - 6:00 PM MST
Sheraton Phoenix Downtown, Valley of the Sun C (Level 2) & Virtual

SIGN IN SHEET
QR CODE



Google DOCS

[Sign in Sheet](#)

Microsoft Teams meeting

[Click here to join the meeting](#)

Meeting ID: 292 417 204 526

Passcode: Ff7uS9HH

1. Opening

Harold Dubensky

i Review Scope

Technical Committee 2.7 is concerned with fundamental scientific and engineering design principles for the resilient design of HVACR equipment and building mechanical, electrical, and plumbing service systems for resistance to natural hazards including seismic, wind, and flooding.

ii ASHRAE Value Statement

Harold Dubensky

“In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.”

iii ASHRAE Code of Ethics Commitment

Harold Dubensky

“In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests.” See full ASHRAE Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.

2. Additions, modifications to the agenda

All

3. Introductions of those present and virtual

All

4. Confirmation of Current Voting Members

Erika Spangler

VOTING MEMBERS FOR THIS MEETING (Need (?) or ½+1 for a Quorum) 8 out of 15

TC 2.7 Voting Members	Non-Voting Subcommittee Chairs
Harold Dubensky – Chairman - Yes	Present
Paul Selman – Vice Chair, Webmaster - Yes	Present
Erika Spangler – Secretary, Handbook - Yes	Present
Robert Simmons – Research - Yes	Present
James Tauby – Standards -Yes	Present
Wenchao Song – Yes	Absent
Mohammed (Basil) Anbari – Yes	Present
Robert Haddock – Yes	Absent
Matthew Hooti – Yes	Present
Eli Howard – Yes	Absent
Ganeson Kandasamy – Yes	Absent

Prasad Naik – Yes	Absent
Patrick Marks – Yes	Absent
Ashish Tripathi – Yes	Absent
Donald Warick – Yes	Present

Vote: 8-0-0-7

5. Review and approval of minutes from February 11, 2025, Annual Meeting **Harold Dubensky**

6. ASHRAE Liaisons **As they arrive.**

i Diana Fisler – Section 2 Liaison [from TAC](#)

- [Strategic plan published on the website – make sure it’s aligned with the TC](#)
- [Rooster](#)
- [GTIC working to ensure global focus and not narrowly focused on North America – make sure it’s aligned with TC](#)

7. Secretary’s Report **Erika Spangler**

[Finalized Orlando Meeting Minutes](#)

8. TC Chair’s Report **Harold Dubensky**

i Announcements and Highlights from TC Chairs Breakfast Sunday 6/22/2025, 7:00 AM - 9:00 AM MST.

9. Membership/Roster/Officers **Harold Dubensky**

As of July 1, 2025: Voting members and/or subcommittee chairs.

Name	Role	Voting	
Harold Dubensky	Chair / Program Chair	Yes	
Paul Selman	Vice Chair / Webmaster	Yes	
Erika Spangler	Secretary / Handbook Chair	Yes	
Robert Simmons	Research Chair	Yes	
James Tauby	Standards Chair	Yes	
Open	Flooding Chair	No	
Wenchao Song	Member	Yes	
Mohammed Anbari	Member	Yes	
Robert Haddock	Member	Yes	
Matthew Hooti	Member	Yes	
Eli Howard	Member	Yes	
Ganeson Kandasamy	Member	Yes	
Prasad Naik	Member	Yes	
Patrick Marks	Member	Yes	
Ashish Tripathi	Member	Yes	
Donald Warick	Member	Yes	

- i. Membership: 106 - Total Members
 - a. 15 - Voting Members
 - b. 83 - Corresponding Members
 - c. 8 - Provisional Corresponding Member

[Voting members need to be reviewed to ensure we have quorum.](#)
- ii. Voting approval is 50% plus 1.
- iii. ASHRAE requires a TC Balance - See update FG MOP on basecamp.
- iv. Term limits:
 - a. Chair = 2 years with a 1-year extension through the approval of the Section Head.
 - b. Vice Chair = 2 years.
- v. Chair and Vice Chair MUST BE ASHRAE members!
- vi. The Chair should have served at least one one-year term as Vice Chair or Secretary.
- vii. Corresponding Members can serve in all TC management positions except Chair.
- viii. July 1, 2025: updates to voting members and/or subcommittee chairs. Email for the Roster Update Form will be sent on the first of February 2026.
- ix. Provisional Corresponding Members are dropped or changed to a Corresponding Member after 2 years.
 - a. The TC chair will email you to see if you want to be a Corresponding Member.
- x. If Interest in becoming a voting member. Submit your request to the TC Chair by February 1, 2026.

10. Subcommittee reports (written reports to be given to Secretary).

i Standards Subcommittee

James Tauby

- A. ASHRAE 171 / SPC 171, Method of Testing & Rating Seismic Restraint Devices for HVAC & R Equipment.

[Minor changes to language to possibly have ready for Las Vegas](#)

 - a. James Tauby as Chair and PCVM-Producer
 - b. Harold Dubensky as PCVM-User
 - c. John Giuliano as PCVM-Producer
 - d. Meaghan Halligan as PCVM-General
 - e. Matthew Hooti as PCVM-Producer
 - f. Eli Howard as PCVM-User
 - g. James Little as PCVM-User Prasad Naik as PCVM-Producer
 - h. Karl Peterman as PCVM-Producer
 - i. Robert Reid as PCVM-General
 - j. Robert Simmons as PCVM-General

ii Publications Subcommittee

Erika Spangler

- A. Applications Handbook Chapter 56
 - a. Vote by April 2026 – Goal complete by Las Vegas
 - b. Flooding – **Jim Carlson, Harold Dubensky, Erika Spangler**
 - c. Seismic – **Robert Simmons, Prasad Naik, Matthew Hooti**
 - d. Wind – **Robert Simmons, Don Warick, John Giuliano**

B. Other publications

James Tauby

- a. Practical Guide 2nd Ed.
 - Oversight committee voting members: Karl Peterman, Prasad Naik, Harold Dubensky, Robert Simmons, Don Warick, Scott Barr, and Jim Carlson, [Matthew Hooti – Chairman](#)
 - **ACTION:** Review and provide comments by the 2025 Annual meeting in Phoenix, AZ: 6/21/2025- 6/25/2025 – [Failed to get comments back to Jim, extending review period to July 31, 2025 with request to add ASCE7-22. Once Jim makes updates to include ASCE7-22 then a meeting will be set up to review.](#)

- Review all the comments and determine if revisions need to be made to the 2nd Edition or if they can wait until the next Edition.
- b Others – HPAC, ASHRAE Journal, Pocket Guide, etc.
 - SMACNA Guidebook needs reference ASCE7-22 next revision.
- C. Website report

Paul Selman

iii Research Subcommittee

Robert Simmons

- A. Research Chair Report
 - a. Update on ACI committee focused on anchors and foundations. Susan Izbai is the chair of this ACI committee.
- B. Current research projects
- C. Proposed research
 - a. A research project to investigate the basis of the seismic restraint exemption for components weighing less than or equal to 75 lb. that are in-line with a duct system was suggested by Karl Peterman.
 - b. Robert Simmons and Jim Tauby will prepare an RTAR for the 75 lb exemption investigation. TC5.2 and TC5.3 were suggested as possible partners in the research project.
 - c. 12Inch rule – Karl Peterman – ASCE 7-22 and is planned for ASCE7-28 for 12” rule exemptions, but it needs help. The changes put in for 2016 version were based on testing done by Intel and promoted at SEAOC. The testing didn’t reflect actual installation conditions for HVAC components. We need to redo that testing and include singe clevis hung rods of larger sizes to substantiate future changes to the exemptions in ASCE7.
- D. Outside research/testing
 - a. MCEER, PEER, EERI
 - b. Others

iv Programs Subcommittee

Harold Dubensky

- A. Summary of Programs that were submitted for Phoenix, AZ.
 - a. The Ethics of Delegated Design /Engineering – Seminar (accepted) Chair: Harold Dubensky
 - Seminar 20: The Ethics of Delegated Design and Engineering for Non-Structural Systems
Sunday, June 22, 1:30 PM – 2:30 PM MT
Phoenix Convention Center North Building , Level 2, 227AB
 - b. The Ethics of Delegated Design /Engineering – Panel (not accepted) Chair: Harold Dubensky
- B. Current Issues/Hot Topics
- C. Possible Programs future
 - a. Seminar on testing
 - Non-Structural components/ Equipment Shake table testing – Erika Spangler
 - Wind/Product approval – Harold Dubensky
 - b. Surviving Disasters
 - c. Wind program.
 - d. Possible session on Back to the Basics
 - e. Possible session on updates to ASCE 7
 - f. Possible session on the results of shake table testing changing manufacturer behavior and design.
- D. Next Meeting – Las Vegas, NV: 1/31/2026- 2/4/2026

v Long range planning

Harold Dubensky

- A. Installation inspections
- B. Testing and certification
- C. System approach
- D. Committee position on engineering disciplines appropriate for design of seismic/wind for nonstructural components such as HVAC

vi Other Committees.

A. Codes and Specifications

Karl Peterman

a. ASCE7 – seismic and wind going through a lot of changes about to be wrapped up in the next few months

b. Hot Topics session

- ASCE7-22 current, voting on ASCE7-28 is coming soon.
- NBC2020 to be revised soon, fewer exemptions are expected.

c. NIBS (National Institute of Building Sciences)

Karl Peterman

- NIBS (National Institute of Building Sciences, <https://www.nibs.org>).
- ASHRAE participant for their code development process. They are about to begin the process of updating the 2026 NEHRP (National Earthquake Hazards Reduction Program) provisions based on amended ASCE/SEI 7-22 – NEHRP in danger of disappearing due to government funding.

11. Liaisons

i TAC Section Head.

Diana Fisler

ii ASHRAE Handbook Liaison (if present)

A. Wind

Jim Tauby

B. Seismic

Karl Peterman

C. Flooding

Open

D. Code reference in handbook chapter 56

Paul Selman

iii NEMA- a new seismic guide on building code seismic qualification?

Open

iv ALI (ASHRAE Learning Institute)

Don Warick

A. In order that the course can be developed rapidly, the proposal form has been updated.

v ASHRAE TC5.2 - Duct Design and Construction

Bob Reid

vi ASHRAE TC 2.10 - HVAC Security

Joel Walters

A. Cyber Security added to committee mission. The committee voted to continue without merging with others. Handbook to be updated by the Las Vegas Winter meeting.

vii ASHRAE TC 2.6 - Sound & Vibration

Paul Bauch

A. Shaffer's Practical Guide and Applications of Manufactures Sound Data - Merging into new document

B. Research – Resurrect Method of Test for isolators

C. [Vibration isolation Table in Chapter 49 of Application Handbook](#)

viii ASCE

Robert Simmons, Prasad Naik

ix ICC

Karl Peterman

A. Structural hearings are done for the current cycle.

x BSSC, FEMA, NEHRP

Karl Peterman

A. BSSC SDC determination – [no longer funded/organized](#)

xi AHRI

Jaime Yeh

A. AHRI Standard 1270/1271 no longer being supported

B. AHRI Standard 1340 in danger of not being supported

- [No one is using these standards](#)

xii VISCMA

Don Warick

A. VISMCA 413 Manual updated and will be released

B. [Created visual animation for why friction is not sufficient for attaching rooftop equipment](#)

xiii SMACNA

Scott Barr

A. Status of New standards scheduled to come out?

xiv MSS (Manufacturers Standardization Society)

Prasad Naik

A. Working on changes based on 7-22.

xv Others: ACI, INCE, NCAC, USGS, USGBC, HCAI, etc.

Open

12. Operations Subcommittee

- i Honors and Awards

Harold Dubensky

Pat Marks

13. New Business / Old Business

Harold proposed having subcommittee

Harold Dubensky

14. Next meeting date and location

- i Las Vegas, NV: 1/31/2026- 2/4/2026

Harold Dubensky

15. Adjournment

Harold Dubensky

5:15 PM MST