



ASHRAE Technical Committee 2.7

ASHRAE TC 2.7 Seismic, Wind and Flood Resistant Design Main Committee Meeting Agenda 3:30pm - 5:30pm, Tuesday, June 27th, 2023 JW Marriot Tampa, FL, Hillsborough (4)

1. **Opening, Waters**
 - 1.1. Additions, modifications to the agenda
2. **Introduction of those present, All** [5 minutes]
3. **Confirmation of Current Voting Members, Dubensky, or other Officer** [3 minutes]
Voting Members: Harold Dubensky, John Giuliano, Jim Tauby, Robert Simmons, Matthew Hooti (rolling on?)
4. **Review and approval of the minutes, Selman, or other Officer** [3 minutes]
5. **ASHRAE Liaisons** [15 minutes]
6. **Secretary's report, Selman, or other Officer** [3 minutes]
7. **TC Chair's Report, Waters** [5 minutes]
8. **Subcommittee reports (written reports to be given to Secretary)**
 - 8.1. **Standards Subcommittee, Tauby** [15 minutes]
 - 8.1.1. ASHRAE 171 / SPC 171, *Tauby*
ASHRAE 171 standard, method of test and rating for seismic restraint, at Atlanta Mark Webber discussed adding OSHPD criteria – trying to make editorial changes to avoid submitting through standards, revised, reaffirm, or withdrawal. What direction needed to go regarding changes wanting to make, Jim to get answer.
 - 8.2. **Publications Subcommittee, Arun** [15 minutes]
 - 8.2.1. Applications Handbook Chapter 55, *Carlson*
 - 8.2.2. Other publications
 - 8.2.2.1. Practical Guide 2nd Ed., *Tauby*
Jim Tauby still working on the Third Edition of the Practical Guide, probably not until after summer TC2.7 Has to do PMS (project monitoring subcommittee) for the 3rd Edition Practical Guide
 - 8.2.2.2. Others – HPAC, ASHRAE Journal, etc
 - 8.2.3. Website, *Selman or other Officer*
 - 8.3. **Research Subcommittee, Simmons** [15 minutes]
 - 8.3.1. Research Chair Report
 - 8.3.3.1 Update on ACI committee focused on anchors and foundations.
Susan Izbai is the chair of this ACI committee.
 - 8.3.2. Current research projects
 - 8.3.3. Proposed research
Encouraged to submit research topics; \$5.5 million budgeted for research. (12) projects recently awarded, (3) failed to be awarded.
 - Robert Simmons discussed the RTAR possible co-sponsor with other TCs
 - Discussed research regarding Shape Factor and Gust Factor
 - Robert did discuss how in the past we have discussed edge distances regarding housekeeping pads
 - **Prasad Naik, Jim Tauby, & Robert** - 75 lb exemption rule for VAV for in-line duct valid or not? Rigid vs. Flexible connection.
 - RTAR needed to get started. (SMACNA very interested)

- Coefficients for wind pressure potentially too conservative as coefficients can vary when behind wind screens.
- Pipe and Duct not addressed as its own identity, 1.5/1.9 for equipment, better coefficients for a variety of equipment.
- Contractors; attaching pipe to roof – retrofitting current equipment on roof, flexible connection between pipe and equipment.
- Ballast systems – can become too heavy for the roof to support but not for piping system. Different method for installation of gas pipe on roof
- **Matthew Hooti** - How to attach things to roof without penetrating the roof membrane. Need to be in by 2026 to influence ASCE7-2028
- Wall of Wind with IBHS, insurance industry
- **Wenchao Song & Robert** - volunteered for coefficient of Tall Buildings

8.3.4. Outside research/testing

8.3.4.1. MCEER, PEER, EERI

8.3.4.2. Others

8.4. Programs Subcommittee,

[20 minutes]

8.4.1. Current Issues/Hot Topics

Hybrid Live Technical Program

Five Day Event: Saturday June 24 – Wednesday June 28, 2023

TC 2.7 submitted the following seminar for Tampa that was selected.

Seminar 29: Wind and Flooding Requirements for Non- Structural Components: (Harold Dubensky)
Monday, June 26 9:45 AM – 10:45 AM EST

Florida Building Code Wind and Flooding Requirements for Non-Structural Components (Harold Dubensky)

How to Secure Nonstructural Components Against Wind Load (Matthew Hooti)

Flooding Addressed By ASHRAE TC2.7 (Jim Carlson)

8.4.2. Possible Programs future –

8.4.2.1. Potential Presenters: Jim Tauby, Matthew Hooti, Karl Peterson

8.4.2.2. ASCE 7 2022 revisions and updates - Prasad Naik

8.4.2.3. Housekeeping pad design – Jim Tauby

8.4.2.4. Raise awareness with proper connection of equipment to the roof structure. – Matthew Hooti

8.4.2.5. Next Meeting – Chicago: Confirmation that Members preference would be Hybrid

8.5. Long range planning, Waters

8.5.1. Installation inspections

8.5.2. Testing and certification

8.5.3. System approach

8.5.4. Committee position on engineering disciplines appropriate for design of seismic/wind for non-structural components such as HVAC

8.6. Other committees

[15 minutes]

8.6.1. Seismic Certification, *Carlson*

8.6.2. Inspections, *Simmons*

8.6.3. Codes and Specifications, (*Selman, Peterman*)

8.6.4. Wind resistance,

8.6.5. Flood resistance, (*Carlson*)

9. Liaisons

[30 minutes]

9.1. ASHRAE Handbook Liaison (if present) *Wind: Tauby, Seismic: Peterman, Flooding: Carlson*

9.2. NEMA- a new NEMA seismic guide on building code seismic qualification that is under development, *Caldwell*

9.3. ALI, *Warick*

John I. – no report

9.4. ASHRAE TG 2.10 HVAC Security, Peterman

9.5. ASHRAE TC 2.6 Sound&Vibration, Hooti

*June 13/14 meeting – adding elastomeric material for vibration isolation modifications started on table updates for vibration isolation
Matthew has been working in it, but there was no agreement from committee, so activity was pushed aside.*

9.6. ASHRAE TC 5.1 Fans, 5.2 Duct, 9.6 Healthcare, 9.7 Educational, 9.9 Mission Critical, 9.4 Justice facilities and security, Fitts others

Mark Vander – 5.1 – AMPCA plan to solicit members to develop standard for rooftop units for high wind.

9.7. ASTM E33 (E580 ceilings), Peterman

*Committee is active but nothing that really impacts this committee
EO6 handles concrete anchors.*

9.8. ASCE, Simmons/Peterman

Robert Simmons & Karl Peterman are on the 7-28 code cycle for ASCE 7

9.9. ICC

*Currently in the middle of a group A hearings.
GroupB proposals started middle of January
Group B impacts this TC
It is likely that ASC7 will go in.*

9.10. BSSC, FEMA, NEHRP, Simmons/Campbell

FEMA – no report

9.11. ATC, Carlson

No report

9.12. AHRI, Abbate

*Greg – no seismic or wind activity in AHRI
Jim – did AHRI ever get their wind standard done?
Greg says he is not sure, has not seen a publication but will check if he can send out the draft version.
It was mentioned that the standard is AHRI1310, and it actually was published, available on AHRI site for free.*

9.13. VISCMA, Warick

*Will meet on Saturday 26th
It has been discussed to see if we can come to a consensus on how isolated floating floors are handled.
Today is not clear on how to handle isolated floating floor. Everyone is doing it in a similar way today, wanting to reach consensus.
On Saturday, hopefully will have an outline that can be turned into a white paper.*

9.14. SMACNA, Barr/Farrell – ANSI standard Seismic Restraint Manual

9.15. MSS, Naik

Prasad –

*MSS is not ANSI standard, thus will not go out for public review.
MSS127 – working on bracing standard it is in the preliminary phases. Have not reached a point where they are ready for an internal ballot – have comments to hash out first
19 – Full committee ballot just completed.
Prasad is not sure exactly when the document will go out for public comment, should happen soon.
Robert wants this committee to respond that we don't agree with content
Can go online and sign up to become reviewer – we should do for ASCE19 and 7*

9.16. Others: ACI, INCE, NCAC, USGS, USGBC, MCEER, PEER, etc.

*Prasad – NFPA200 is being written for sprinkler bracing.
Jim – Putting together manual, first draft coming out in the next few months. Taking all NFPA work for bracing will all be in one location.*

10. Operations Subcommittee, Waters

[15 minutes]

10.1. Honors and Awards, Steve Duda

10.2. Membership, Dubensky

10.2.1. Review of roster

10.2.2. Subcommittee times for next meeting

11. New business/Old business

[10 minutes]

12. Next meeting date and location - Chicago, IL, January 23, 2024

13. Adjourn

Motion to adjourn

By: Jim Tauby

Second John G.

Passes to adjourn