

Minutes
TC 9-12 TALL BUILDINGS
Wednesday, June 9, 2021
Location: Online Virtual Meeting
13:30 to 15:30 ET
--- Approved January 30, 2022 ---

1. CALL TO ORDER

- a. Chair Duncan Phillips called the meeting to order at 13:32 EDT

2. INTRODUCTIONS

- a. 18 meeting attendees, two of six voting members present – quorum not established
- b. Introductions were made along with favorite movies
- c. Previous meeting minutes could not be approved without quorum.

3. CHAIR'S COMMENTS

- a. Duncan reminded the committee of their commitment to the ASHRAE code of ethics
- b. Duncan shared elements of TAC chair's breakfast. TAC is encouraging meetings in between conferences. He also reflected on internal assessment of our TC and noted strengths and weaknesses.
- c. Committee is looking for volunteers for vice chair

4. LIAISON REPORTS

- a. Section Head (Brad Cochran) – website is out of date and basecamp is non-existent. Duncan noted that everyone will be getting added to basecamp and we will see how it organically grows for us. Also noted that the ETF is winding down and the new Decarbonization Task Force (DTF) is starting up.
- b. Handbook (Eric Adams) – reiterated upcoming deadlines and requested our update (see subcommittee report)

5. SUBCOMMITTEE REPORTS

- a. Program Chair (Frank Kohout)

This meeting

Seminar 66 – Stack affect and Wind Induced Building Pressure Mitigation Strategies
Phillips, Simmonds, Jalayerian

Seminar 70 – The Challenges Encountered When Commissioning Tall Buildings
Skelton, Bell

Las Vegas: Program submissions required August 7th.

- Stairwell Pressurization to Manage Contaminants in Tall Buildings.
 - This was discussed as a possible topic. Could tie into the Environmental Health track (plus the City of Vegas has a strong interest in fire and smoke

control). Duncan noted code developments in this area. TC 5.6 Fire and Smoke would likely be interested in topic.

- Duncan or Katie, Peter and Mehdi will speak. Scott Peach will chair. The seminar would be an intermediate level. TC 5.6 will be asked to co-sponsor.

Toronto

- Effect of Wind on Building Pressurization in Tall Buildings. Continues to be a good topic and there are many interested presenters. There is enough material that perhaps it could be split into two seminars. Will finalize program submission plans at next meeting.
- Luke proposed an Embodied carbon session and has speakers. Committee agreed.
- Luke suggested a seminar around whether Tall Buildings whole life carbon is different than operational carbon. There was general support for this topic as well.

b. Handbook (Jalayerian)

- ASHRAE HVAC Applications Handbook – Chapter 4 Tall Buildings
- Draft version is coming together. Working with Luke on some updates and expect to be on schedule
- There was a question to the TC on Applications Handbook page 4.15 Example 1 related to calculating pressure break heights. Discussion occurred but the TC has yet to reply to Steve Hammerling. Duncan will reply.

c. Research (Peach)

- RTAR by Peter submitted to committee “To determine the infiltration/exfiltration of a building’s façade including the stack effects of elevator and stair shafts on the pressure relationships in a mega tall building.” Aimed at improving Fundamentals and Applications handbook sections relative to these areas as well as 90.1 Appendix G elements on modelling infiltration.
- The committee agreed this is a need but before taking a vote will complete editorial review and then review with RAC Liaison for their initial feedback. Duncan and Kim will do the editorial review.

d. Webmaster (Lisa Ng)

- Significantly updated and added to website
- To complete the task, Lisa requested meeting minutes from 2016 on

6. MEMBERSHIP

- a. Key is succession plan and making sure we have a solid membership to hit Quorum. Below are planned changes for July 2021:
 - Dennis, Matt, Prakesh, Peter rolling off.
 - Duncan, Frank, Lisa, Luke, Bill rolling on
 - Need a new vice chair, Rick would serve but does not wish to displace any that have a desire to do so.

7. NEW BUSINESS

- a. Interim meetings: Most spoke in favor of having smaller, shorter interim meetings. Duncan asked s/c chairs to coordinate respective meetings on their own and committee chairs agreed. Duncan also noted they should notify ASHRAE two weeks advance for virtual and four weeks in advance for in-person meetings so that staff can announce for greater public participation.

8. ACTION ITEMS

- Handbook: Mehdi call interim meetings to review chapters
- Handbook: Duncan provide TC reply to staff on Handbook question
- Program: Frank call interim meeting
- Program: Scott submit seminar for Las Vegas
- Research: Duncan and Kim review RTAR, Scott review with RAC
- Web: All – send >2016 meeting minutes to Lisa, Lisa add to website

9. ADJOURN

- a. Next meeting is in Las Vegas in January.
- b. The meeting was ended at 15:15 EDT

APPENDIX A – Meeting Attendance Record

Name	Position	Present	Voting
Mr Duncan A Phillips	Chair	x	x
TBD	Vice Chair		
Mr Rick M Heiden	Secretary/ Standards Liaison		
Mr Mehdi K Jalayerian	Hndbk Subcom Chair	x	x
Mr Pankaj R Dharkar	MNQ		
Mr Francis J Kohout	Program Subcom Chair		x
Mr Scott B Peach, PE	Resrch Subcom Chair		
Mr Travis Potter	Webmaster		
Mr John J Carter	Member		x
Mr Matthew Davy, PE	Member		
Mr Mark W Fly, PE	Member		x
Mr Peter Simmonds	Member		
Mr Dennis J Wessel, PE	Member		
Mr Arun J Cherian	Pro CM		
Mr Erik Andre Chisholm	Pro CM		
Mr Kevin Edstrom	Pro CM		
Ee Seong Eng	Pro CM		
Mr Tyler Jensen	Pro CM		
Mr Money Khanna	Pro CM		
Yahaya Hassan Labaran	Pro CM		
Mr Felix Mendez	Pro CM		
Mr Husam M Mohammed	Pro CM		
Mr Rodrigo Pellegrini	Pro CM		
Mr Miguel Angel Ruiz Tataje	Pro CM		
Mr Jeremy T Smith, LEED AP, PE	Pro CM		
Miss Kaiyu Sun	Pro CM		
Mrs Suzan Sun-Yuan, PE	Pro CM		
Mr Devin A Abellon, PE	Corresponding Member		
Prof William P Bahnfleth, PE	Corresponding Member		
Mr Oliver Baumann	Corresponding Member		
Mr Jeffrey P Blaevoet	Corresponding Member		
Mr Kim Clawson	Corresponding Member		
Mr Peter G Ellis	Corresponding Member		
Mr Ronald George	Corresponding Member		
Mr Kenneth E Gill, PE	Corresponding Member		
Mr Anuj Gupta	Corresponding Member		
Mr Robert Alexander Henderson	Corresponding Member		
Mr Jose V Herrera	Corresponding Member		
Dr John H Klote, PhD	Corresponding Member		
Ms Yoon J. Ko, PhD	Corresponding Member		
Christopher Krieps	Corresponding Member		
Mr Luke C H Leung, PE	Corresponding Member	x	
Mr Rodney H Lewis	Corresponding Member		

Mr Nemat Lotfi	Corresponding Member		
Mr Michael J McDermott	Corresponding Member		
Dr Lisa Chen Ng	Corresponding Member	x	
Dr Atila Novoselac	Corresponding Member		
Mr Paul E Petrilli, PE	Corresponding Member		
Mr John W Pulley, LEED AP BD+C, PE	Corresponding Member		
Mr Eddy Santosa	Corresponding Member		
Mr Yuri A Tabunschikov	Corresponding Member		
Mr Cedric S Trueman, P.Eng	Corresponding Member		
Mr Jeffrey S Tubbs, PE	Corresponding Member		
Mr William A Webb, PE	Corresponding Member	x	
Mr Lynn F Werman, PE	Corresponding Member		
Mr Dustin Eric Jason Meredith, PE	TAC Chairman		
Brad Cochran	TAC Section Head	x	
Mr Eric Adams	Handbook Liaison		
Dr Paolo M Tronville, PhD	Research Liaison		
Mr Steven J Hammerling	Staff Liaison		
Ms Katie Reipas	Guest		