

**FLORIDA BUILDING COMMISSION  
HURRICANE RESEARCH ADVISORY COMMITTEE CONCURRENT WITH  
THE STRUCTURAL TECHNICAL ADVISORY COMMITTEE  
TELECONFERENCE MEETING FROM TALLAHASSEE**

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**April 30, 2020**

**9:00 A.M.**

## **Minutes**

**HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS PRESENT:**

James Schock, Chairman  
Sergio Ascunce  
Joe Belcher  
David Compton  
Anne Cope  
Mark Mikkelson  
Craig Parrino

John "Bud" Plisich  
Angela Schedel  
Brad Schiffer  
Jeffery Schnellmann  
Vince Seijas  
Brian Swope

**HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS NOT PRESENT:**

**STAFF PRESENT:**

Mo Madani  
Thomas Campbell  
Jim Hammers

Justin Vogel  
Chris Howell  
Joe Bigelow

**MEETING FACILITATION:**

The meeting was facilitated by Jeff Blair from Facilitated Solutions, LLC. Consultation, Process Design & Facilitation. Information at: [facilitatedsolutions.org](https://facilitatedsolutions.org)

**Welcome:**

**Time: 9:00 a.m.**

Mr. Blair welcomed everyone to the meeting of the Hurricane Research Advisory Committee concurrent with the Structural Technical Advisory Committee.

**Roll Call:**

Mr. Blair performed roll call for the HRAC. A quorum was determined with 13 members present at roll call.

**Agenda Approval:**

Mr. Blair asked for a motion to approve the agenda for April 30, 2020 as posted if there were no changes.

Mr. Belcher entered a motion to approve the agenda for today's meeting. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 13 to 0.

**Approval of Minutes for March 24, 2020.**

Mr. Belcher entered a motion to approve the minutes of the March 24, 2020 meeting. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 13 to 0.

**Review and Accept Interim Draft Report: Update and Development of Wind Speed Line Maps for the Florida Building Code, 7<sup>th</sup> Edition (2020).**

Mr. Madani provided background on the project and reporting phase for the Committee.

Kate Norris, UF provided a detailed Power Point presentation of the interim report for this project and provided suggestions on new information and spoke on issues that were discovered.

**HRAC Comments/Questions:**

Mr. Belcher requested clarification of the number of jurisdictions that were contacted and listed in the report.

Ms. Norris and Mr. Madani advised this list is pulled from the DBPR database of licensed Building Officials and Inspectors so it may have gone to several people in one jurisdiction.

Mr. Belcher entered a motion to accept the draft interim report for "Update and Development of Wind Speed Line Maps for the Florida Building Code, 7<sup>th</sup> Edition (2020)". Mr. Seijas seconded the motion. The motion passed unanimously with a vote of 13 to 0.

**Review and Accept Interim Draft Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity.**

Mr. Madani provided background on the project and reporting phase for the Committee.

Dr. Prevatt, UF provided a detailed Power Point presentation of the interim report for this project.

**HRAC Comments/Questions:**

Vince Seijas spoke on clarification of sliding doors and the separation of workmanship verses product issues.

Dr. Prevatt provided response on the findings received.

Mr. Mikkelson requested clarification of uniform leaking and those that did not leak spoken to in the report.

Dr. Prevatt responded and advised will try to secure further data from the condominium staff that was used to provide the data on leakage.

**Public Comment:**

Brad Fevold, FMA spoke on the findings on the uniform leaking and the issues with walk out patios and sliding doors.

**Motion:**

Mr. Seijas entered a motion to accept the draft interim report for “Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity”. Mr. Belcher seconded the motion. The motion passed unanimously with a vote of 13 to 0.

**Review and Accept Interim Draft Report: Hurricane Michael Data Enhancement (Phase II), Performance of Modular Houses and Review of FEMA Recovery Advisory.**

Mr. Madani provided background on the project and reporting phase for the Committee.

Dr. Prevatt, UF and Dr. Roueche, University of Auburn, provided a detailed Power Point presentation of the interim report for this project.

**Review and Accept Interim Draft Report: Hurricane Michael Data Enhancement (Phase II), Performance of Modular Houses and Review of FEMA Recovery Advisory. (cont.):**

**HRAC Comments/Questions:**

Mr. Plisich spoke on the FEMA MAT P-2077 report specifically relating to Task B recovery. He stated there were 69 recommendations from different organizations and these may have good information for the Florida Building Commission and asked if this would be looked at for possible inclusion in the report for the Commission. Mr. Plisich further stated there are some interesting research recommendations that may be of interest to the group within the report.

Mr. Belcher entered a motion to accept the draft interim report for “Hurricane Michael Data Enhancement (Phase II), Performance of Modular Houses and Review of FEMA Recovery Advisory 7<sup>th</sup> Edition (2020)”. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 11 to 0.

**Recommend and Discuss Potential Research Topics for Consideration by the Florida Building Commission.**

**Wind induced loads on roof overhangs-FIU- Ioannis Zisis:**

Mr. Zisis provided a detailed Power Point presentation on this potential research project with a scope of study.

**Committee Comments/Clarifications:**

Joe Belcher asked from a designer standpoint how often this section is used in the field and would this be beneficial or be effective in the field.

Mr. Madani stated this project is to provide more accurate reading of what overhangs should be designed for.

Chairman Schock added that there was a report completed some years ago by Dr. Masters with extensive research, he wants to be sure we are not duplicating a report/study that has already been done.

Mr. Belcher stated he would still like to hear what the most common design method that is.

Eric Stafford, IBHS stated that alternate all heights method has been deleted from the 7<sup>th</sup> Edition of the Code and was not used often when it was in the code.

Commissioner Compton stated he does not use this often.

Mr. Seijas stated that he felt this would be a good study and could be useful and beneficial to the southern jurisdictions.

**Recommend and Discuss Potential Research Topics for Consideration by the Florida Building Commission. (cont.):**

**Wind induced loads on roof overhangs-FIU- Ioannis Zisis (cont.):**

**Committee Comments/Clarifications (cont.):**

Ms. Cope expressed her support to the proposed research project, she stated she felt this information would be very useful in many other areas and provided examples of usage.

Mr. Belcher stated that the code reference should be included in this project to make it clear where it is applicable for us.

**Updating the Statewide Extreme Rainfall Projections - FIU- Jayantha Obeysekera SB178:**

Mr. Madani provided detail on the background of this project and the interaction with SB 178.

Mr. Obeysekera provided a detailed Power Point on this potential research project with a scope of study.

**Committee Comments/Clarifications:**

Mr. Seijas stated this would be of great benefit to all jurisdictions.

**Additional potential research projects:**

Chairman Schock stated he would like consideration of an appendix with higher standards listed with the ability for the owner or builder to choose the higher standards statewide.

John Plisich, FEMA stated that there were 5 areas he would like considered for a project from the MAT report. He stated there were 69 total recommendations, however, he only wanted to suggest the following:

- FL-10 a. should further evaluate the performance of concrete pile foundations
- FL 14 b. should assess the causes of wide spread asphalt shingle roof covering loss
- FL 16 should perform research on commonly used ridge vent to determine the cause of ridge vent failure
- FL 21 b. should consider reevaluating the procedure and requirements for assessments of existing spaces for use as EHPA
- FL 30 should provide more specific criteria with restrictions on how, when, and where roof aggregate can be used

**Next Steps: Agenda Items, Needed Information, Identification of further research and development essential to hurricane protection:**

Mr. Madani stated that he will notify the Committee of the next meeting and provide information to them at that time.

**Public Comment: None**

**Final Roll Call:**

Mr. Blair performed the final roll call with 12 members remaining on the line stating Ms. Schedel had to leave the meeting at 10:23 a.m. to meet another obligation.

**Adjourn:**

Commissioner Schock thanked everyone for their participation and adjourned the meeting for the HRAC members at 11:28 a.m.