

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

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June 26, 2020

1:00 P.M.

Minutes

STRUCTURAL TAC PRESENT:

Jim Schock, Chairman
David Compton
Siavash Farvardin
Jaime Gascon
Michael Guerasio
Joe Hetzel

Do Y. Kim
Daniel Lavrich
CW Macomber
Craig Parrino
Steve Strawn

STRUCTURAL TAC NOT PRESENT:

STAFF PRESENT:

Mo Madani
Tom 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

Welcome:

Time: 1:00 p.m.

Mr. Blair welcomed members, staff and the public to the teleconference meeting of the Structural Technical Advisory Committee concurrent with the Hurricane Research Advisory Committee.

Roll Call:

Mr. Blair performed roll call for the Structural TAC. A quorum was determined with 11 members present.

Agenda:

Mr. Blair asked for a motion to approve the agenda for June 26, 2020 as posted if there were no changes.

Commissioner Compton entered a motion to approve the agenda for today's meeting as posted. Mr. Strawn seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Approval of Minutes from April 30, 2020:

Mr. Lavrich entered a motion to approve the minutes from the April 30, 2020 meeting as posted. Mr. Guerasio seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Review and Accept Final 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 and Michael J. Louis, P.E., Senior Principal Simpson Gumpertz and Heger provided a detailed Power Point presentation of the final report for this project.

Mr. Madani stated that we need to be careful about placing all issues on the fenestration manufacturers. He said flashing and sealing fenestration at the wall interface are the responsibility of the building designer.

Structural TAC Comments/Questions:

Mr. Belcher stated that bullet proof windows are a good idea, but there were no costs considerations included. He asked if the cost will be included with these recommendations.

Review and Accept Final Draft Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity (cont.):

Structural TAC Comments/Questions (cont.):

Dr. Prevatt provided a detailed response on how the cost would interplay with the project.

Mr. Lavrich expressed concerns over the language pertaining to acceptable leakage. He expanded his thoughts with language from the code and how buildings are and should be built to be without leakage in the building envelope. He also spoke to the flashing and sealing fenestration importance. Mr. Lavrich stated there are some problems with the way the code is currently written.

Dr. Prevatt addressed Mr. Lavrich comments.

Mr. Strawn stated water resistance is how we build today. He spoke further on the products and installation methods and how they should be upgraded.

Mr. Farvardin questioned statements on page 32 of the report pertaining to window inspections, training requirements. In addition, he requested that AAMA documents (100, 200, 300 and 400) be made available to the TAC and HRAC members.

Dr. Prevatt and Mr. Louis responded to Mr. Farvardin's questions.

Mr. Mikkelsen asked for clarification on this report as it is not a final report with some research incomplete. He also spoke about whether windows and doors should not leak.

Dr. Prevatt explained why the entire project was delayed and how the COVID19 pandemic had caused shut downs on the campus and testing sites.

Mr. Madani explained what the Committees would be voting on today and the project as it stands with the information and testing completed.

Commissioner Schiffer posed the question that since this project was 75% completed what will the designer portion include?

Dr. Prevatt explained what will be included if time allows and any comments for the research group can be sent to him.

Mr. Strawn stated he felt this should be targeted to installation.

Dr. Prevatt explained why the project is being conducted in this manner.

Review and Accept Final Draft Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity (cont.):

Structural TAC Comments/Questions (cont.):

Mr. Gascon stated he felt installation should be really considered.

Mr. Lavrich stated he agrees that installation is important but also feels that there are other issues.

Mr. Schnellmann stated that he observed that the focus group does not show that a contractor is listed which could be important if installation is an issue. He stated he felt there should be a contractor on the group.

Mr. Madani explained what the Committees would be voting on today and the project as it stands with the information and testing completed.

Motion:

Mr. Lavrich entered a motion to accept the final draft report for “Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity”. Commissioner Schock seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Review and Accept Final Draft Report: Wind Speed Line Maps for the Florida Building Code, 7th 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 final report for this project.

Structural TAC Comments/Questions: None

Motion:

Mr. Lavrich entered a motion to accept the final draft report for “Wind-Speed Line Maps for the Florida Building Code, 7th Edition (2020)”. Mr. Strawn seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Review and Accept Final 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 final report for this project.

Structural TAC Comments/Questions: None

Motion:

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

To Review and Accept Final Draft Report: Phase II: Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed.

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 final report for this project.

Structural TAC Comments/Questions:

Mr. Gascon asked if all testing was vertical or horizontal.

Dr. Prevatt responded horizontal with a full explanation.

Motion:

Mr. Gascon entered a motion to accept the final draft report: Phase II: Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed. Commissioner Schock seconded the motion. The motion passed unanimously with a vote of 11 to 0.

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Final Roll Call:

Mr. Blair performed a final roll call with all 11 members remaining on the line.

Adjournment:

Chairman Schock thanked everyone for their participation and adjourned the Structural TAC meeting at 3:32 p.m.