

Construction Claims Task Force
November 1, 2005 Meeting

Speaker Agenda

Invited testimony from experts in Building Science and Forensic Engineering

- 2:30-3:00 Dave Ricketts M.Sc., P.Eng., Principal – RDH Building Engineers
- § Overview of factors that contribute to building envelope failures
 - § Changes in construction practices from older buildings
 - § Highlights elements of the solution from British Columbia and Washington State
- 3:00-3:30 George Tsongas, Ph.D., P.E., Consulting Engineer/Building Scientist and Professor Emeritus of Mechanical Engineering, Portland State University
- § Factors that contribute to water intrusion and indoor mold
 - § Measures that should be undertaken to avoid these problems
- 3:30-4:00 Dr. Achilles Karagiozis, M.Sc., Ph.D., Senior Research Engineer - Oak Ridge National Laboratory
- § Moisture control
 - § Building envelope system performance
 - § Evaluation of hygrothermal performance of building materials
- 4:00-4:30 John Lamb, Founder/Principal, Eric Hoff, Architect/Principal –Western Architectural – Building Science Consultants
- § Construction Defects - “The Storm Surge”
 - § Management and Reduction of Defect Claims – Is It Possible?
- 4:30-5:00 Joe Johnson, President, Johnson Construction Consulting
- § Industry Standards / Performance Guidelines
 - § Education & Training
 - § Quality Control
 - § Enforcement
 - § Maintenance

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Presenter Bios

- Presenter 1** Dave Ricketts M.Sc., P.Eng., Principal – RDH Building Engineers
2:30-3:00 *Mr. Ricketts is a recognized leader in the building science field in North America combining a thorough understanding of building envelope theory and materials behavior with practical knowledge of construction practices and sequencing. He is the primary author of many of the key Canadian studies and guideline documents addressing moisture issues in buildings including “Best Practice Guide for Building Envelope Wood Frame Construction in the Coastal Climate of British Columbia.”*
- Presenter 2** George Tsongas, Ph.D., P.E., Consulting Engineer/Building Scientist and Professor Emeritus of Mechanical Engineering, Portland State University
3:00-3:30 *Dr. Tsongas is a building scientist who specializes in mold and moisture problems in buildings as well as construction defects and water intrusion. He has inspected over 10,000 dwelling units as a researcher, consultant, and expert witness. He has undertaken computer simulation and numerous laboratory and field tests to better understand water intrusion and its effects in residential walls as well as indoor humidity conditions.*
- Presenter 3** Dr. Achilles Karagiozis, M.Sc., Ph.D., Senior Research Engineer - Oak Ridge National Laboratory
3:30-4:00 *Dr. Karagiozis joined the Buildings Technology Center in 1998 and has written or co-authored over seventy-two publications. His areas of research include moisture control, building envelope system performance, and evaluation of hygrothermal performance of building materials, and he is an Adjunct Professor in the Civil Engineering Department at the University of Waterloo.*
- Presenter 4** John Lamb, Founder/Principal, Eric Hoff, Architect/Principal –Western Architectural – Building Science Consultants
4:00-4:30 *John Lamb and Eric Hoff are principals in Western Architectural, a specialty construction consulting/inspection firm dealing with all aspects of waterproofing and construction defects. Mr. Lamb has been active in the coatings and waterproofing industry since 1974, and has served on national standards technical committees including ASTM committee C-24 Building Sealant and Seals. Mr. Lamb has also published several papers and articles nationally on building envelopes, waterproofing and repair as well as provide expert testimony throughout the country in litigation matters. Mr. Hoff is a licensed Architect with the State of Oregon and a member of AAMA. He has over twenty years as a general contractor, construction manager, developer and project architect for numerous residential, multi-family and commercial projects in the greater Portland Metro area and has provided expert testimony in litigation matters.*
- Presenter 5** Joe Johnson, President, Johnson Construction Consulting
4:30-5:00 *Joe Johnson is the president of Johnson Construction Consulting, Inc. (JCCI) located in Portland, Oregon. JCCI provides a broad selection of consulting services including, project and construction management, estimating, scheduling, building evaluations, construction defect analysis and prevention, and expert witness services. Mr. Johnson has twenty five years of experience in the construction industry and is a licensed Architect in the State of Washington.*