



Building Failures and Forensic Engineering

Moderator(s): John Boerema

DATE: Monday, September 29th, 2014 TIME: 1:40 pm

LOCATION: Strategy Room 2

GUEST SPEAKERS: Mr. Joseph Vidican - Vidican Engineering Inc.

DESCRIPTION: Joseph S Vidican, P.Eng. - Vidican Engineering Inc. - This presentation is about understanding about what is involved in forensic engineering and investigations. Presenting real cases and circumstances in everyday construction and the consequences. Considerations of a many people involve, with a slant on building official perspective and understanding of critical things to review and look for, especially to reduce risk and exposure, as well as getting good buildings built. Highlighted cases shall be in residential, commercial, institutional, greenhouses and steel building and shall consequential range from \$10k to situations in the tens of millions of dollars.**

BIOGRAPHY: Mr. Joseph Vidican

Joseph (Joe) S. Vidican, P.Eng., established and has been principal of Vidican Engineering (Building Science & Forensic Engineering firm) over 22 years ago. We all have passions and fascinations in life. Joe's has been about building and construction approaching the better part of 3 decades and still endeavors to learn, study and understand the intricacies of buildings, their systems, assemblies, components and the dynamics. He has been involved in all aspects of design and specification, inspection, investigations, evaluations and assessments, origin and causation/failure determinations, problem solving, workmanship issues, deficiencies, non-compliance to building codes/standards and construction documents/contracts, performance of roles and responsibilities, as well as in developing scopes of repairs and field inspection, and primarily as a forensic investigator and expert witness. Clients in the public and private sectors, in all types of residential, commercial, industrial, institutional and sizes from small single family houses to large industrial and high rise, up to 1.3 million square foot greenhouse facility. Also included are unique specialty buildings (high moisture, high performance air/vapour barrier requirement, cold/freezer storage, greenhouses). Joe has a unique perspective, knowledge and experience not only because of his multi-disciplinary and diverse engineering background and practice, but from experience gained as an owner of construction related companies as building material supplier and manufacturers' representative, general contractor, sub-contractor, building owner (self maintained), project management, and developer of construction educational seminars and courses.

The practical experience is based on sound physics and building science, good

engineering and building practices, yet also in the in-field practical implementation buildable assemblies that work and perform long.