



Blake A. Tuomy, PE
Project Manager

Education:

B.A.; Political Science: Pennsylvania State University

M.S.; Civil Engineering/Structures Emphasis: University of California, Davis

Professional Registrations & Certifications:

PE 70010 / FL [State of Florida Engineering License]

ITC 24998 [Certified Level I Thermographer: Infrared Training Center]

Professional Affiliations:

Florida Engineering Society – Member

Florida Structural Engineering Association – Member

National Society of Professional Engineers – Professional Member

International Association of Structural Movers – Member

American Society for Testing and Materials – Member

National Academy of Forensic Engineers – Correspondent

Urban Search and Rescue Qualifications:

FEMA Urban Search & Rescue – FEMA-USACE Certified StS1, ICS Level 1 Certified

Florida Urban Search & Rescue – Florida Task Force 3 Structures Specialist (StS)

Bracken Engineering [Engineering Response Team] - Member

Summary of Experience:

Mr. Tuomy's experience includes building design and restoration, construction inspections, third-party structural design reviews, as well as forensic investigations of existing structures. Mr. Tuomy is also a structures specialist qualified in urban search and rescue.

Mr. Tuomy is proficient with several versions of finite element structural analysis programs in the evaluation of building characteristics and response.

With regard to structural design, Mr. Tuomy has generated engineering plans for wood, steel, concrete, masonry and aluminum structures. This design includes the lateral force resisting systems capable of withstanding both earthquake and hurricane wind forces.

With regard to structural restoration, Mr. Tuomy has been involved with the assessment and restoration of structures damaged by fire, wind, subsurface and impact damage.



Summary of Experience (cont.):

With regard to forensic engineering, Mr. Tuomy has performed cause and origin investigations of water damage, wind damage, roof failures, construction failures, retaining structures, and damage due to subsurface mechanisms.

Research:

In conjunction with the University of California, Davis, Mr. Tuomy has researched the influence of modeling parameters on nonlinear static and dynamic procedures for seismic evaluation. This research was funded by the National Science Foundation.

Training & Classes Taught:

“Structural Collapse Technician Course,” Department of Homeland Security Federal Emergency Management Agency (FEMA) – December 3, 2009, Tampa, FL

Seminars Attended:

“General Topics in Forensic Engineering,” National Academy of Forensic Engineers – January 16, 2010, New Orleans, LA

“LEED & Sustainable Design for the Structural Engineer,” Florida Structural Engineers Association – November 10, 2009, Tampa, FL

“Level I Thermography,” Infrared Training Center – September 15-18, 2009, Savannah, GA

“Excelling as an Expert Witness - Tips and Strategies from a Technical Perspective,” Florida Engineering Society Lunch & Learn Webinar – September 9, 2009, www.fleng.org

“LEED Workshop,” Engineering for Architecture – August 13, 2008, Bradenton, FL

“Steel Pile Installation, Design and Application,” Certified Foundations Inc. – April 2008, Sarasota, Florida

“Proper Assessment and Planning for Structural Renovations of Existing Buildings and Structures,” Lorman Education Services – December 4, 2007, Sarasota, FL

“Wind Loads for Buildings and Other Structures,” American Society of Civil Engineers – September 22-23, 2005, Orlando, FL

Urban Search and Rescue Training:

Advanced Structures Specialist 48-Hour Training Course – StS2, FEMA/USACE Urban Search & Rescue – May 27, 2010, Moffett Field, CA

Structural Specialist Training, Federal Emergency Management Agency (FEMA) – October 2009, San José, CA, 40 hours