

**GREG TABAKA, P.E.**

Licensed Fire Protection Engineer

**EDUCATION**

M.S., Fire Protection Engineering, University of Maryland, 2008  
B.S., Fire Protection Engineering, University of Maryland, 2005 (*Cum Laude*)  
B.S., Mechanical Engineering, University of Maryland, 2005 (*Cum Laude*)

**CONTACT**

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Lake Mary, FL 32746

**PROFESSIONAL EXPERIENCE*****President/Principal Engineer, Antinomy Consulting Engineers (formerly Caliber Code & Fire Engineering), May 2017 – Present***

Responsible for the conceptual design, plans review, initial commissioning, periodic testing and development of “rational analysis” studies for smoke management systems in high-rise buildings, atriums and special amusement buildings. Construct computational fluid dynamics (CFD/FDS), zone (CFAST) and network models (CONTAM/high-rise) for smoke management studies. Design fire alarm and voice evacuation systems. Prepare system design drawings and life safety/code compliance drawings and reports. Consult for architects and building operators regarding the application of the International, NFPA, Florida & Epcot suites of codes and standards.

***Fire Protection Engineer, Jensen Hughes (formerly Hughes Associates), February 2008 – May 2017***

Responsible for the development of science-based solutions for code compliance challenges in new and existing construction, including smoke movement, activation time of fire sprinkler systems, occupant egress and thermally-induced structural failure. Designed and commissioned smoke control systems for high-rise buildings, atriums and various specialty venues. Directed testing of public water supplies for fire protection use and insurance requirements. Performed on-site property condition assessments to identify fire protection system defects and code compliance deficiencies that could potentially expose a building owner to liability. Developed life safety/code conformance plans.

***Fire Protection Engineer, Hughes Associates, February 2007 – February 2008***

Performed manual and computer-based fire modeling for inclusion as components of probabilistic risk analyses (PRA) for light-water nuclear power plants via NUREG/CR-6850. Performed and validated ignition source walkdowns in nuclear power plants. Modeled smoke transport through high-rise buildings with CONTAM.

***Engineering Assistant, Hughes Associates, May 2005 – February 2007***

Performed engineering support services such as literature searches, laboratory assistance, drawing review, fire alarm and detection system design, computational model validation and computer programming. Projects included high-rise offices in the District of Columbia, applying or testing the computer models CFAST, FDS, FSSIM & FSM, crude oil facilities, industrial chemical production facilities, spray-applied fire resistive material testing and flame spread modeling aboard United States Navy craft.

**PROFESSIONAL STANDING**

Licensed Professional Engineer in the State of Florida (License No. 73972)  
Florida Fire Protection qualification  
Advanced Building Code Course qualification  
Member, City of Orlando Building and Fire Code Board of Appeals (2018–present)  
Member, Society of Fire Protection Engineers (SFPE)  
Member, National Fire Protection Association (NFPA)