



CARL W. NELSON, P.E.

Principal

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Fire Protection Engineering,
May 2008
Bachelor of Science, Mechanical Engineering,
May 2006

PROFESSIONAL AFFILIATIONS

National Fire Protection Association (NFPA)
Society of Fire Protection Engineers (SFPE),
New England Healthcare Engineers Society
(NEHES)
American Society of Healthcare Engineers (ASHE)
Massachusetts Building Commissioners &
Inspectors Association (MBCIA)

CONTACT

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Southborough, MA 01772
(617) 500-4512
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CODE RED CONSULTANTS

PROFESSIONAL EXPERIENCE

Carl Nelson is a professional fire protection engineer and is a Principal with Code Red Consultants. Mr. Nelson's primary responsibilities over his 10 year career include providing fire protection and life safety code consulting services to clients such as building owners, architects, and other engineers to help ensure compliance with local, state, and federal codes and standards. His experience includes the development of prescriptive code compliance strategies as well as performance-based and alternative design approaches to help solve unique and complex fire and life safety related issues. He also often communicates with regulatory officials such as building and fire officials to present code compliance strategies on projects. Mr. Nelson has significant experience performing existing building evaluations, preparing comprehensive fire protection and life safety reports for new and existing buildings, and reviewing architectural/engineering drawings for code compliance with fire and life safety codes and standards. In addition to code consulting services, Mr. Nelson has experience designing fire protection and fire alarm systems for new and existing buildings.

Mr. Nelson has provided fire protection engineering and life safety code consulting services on a variety of projects including college and university campus buildings, hospitals, federal government buildings, transportation facilities such as airports and light rail stations, high-rise office and residential buildings, laboratories and pharmaceutical buildings, convention centers, and other mixed use buildings. His work has spanned private developments as well as local, state, and federally funded projects. Mr. Nelson has worked on projects having total construction costs ranging in size from one million dollars to two billion dollars.

ARTICLES & SPEAKING ENGAGEMENTS

Nelson, Carl, P.E. "2014 Joint Commission Top Citations" New England Healthcare Engineers' Society Quarterly Newsletter, December 2014.

Nelson, Carl, P.E. and Lynch, Christopher, P.E. "Are You Managing Your Life Safety Systems or Are They Managing You?" Maine Healthcare Engineers Society, Bangor, Maine. January 2014.

Nelson, Carl, P.E. and Crowley, Michael, P.E. "What Does Code Compliance Mean to a Hospital?" New England Healthcare Engineers' Society 2012 Fall Conference, Springfield, Massachusetts. October 2012.

Nelson, Carl, P.E. and Khazadian, Raffe "The New Massachusetts State Building Code: What You Should Know" 2011 Northeast Building & Facilities Management Show & Conference, Boston Massachusetts. June 2011.